Supplementary Table 1 The normalized gene expression data

ID	GSM1575	GSM1575	GSM1575	GSM1575	GSM1575	GSM1575	GSM1575	GSM1575	GSM1575	GSM1575	GSM1575	GSM1575	GSM1575	GSM1575	GSM1575	GSM1575
A1BG	2.44059	5.10993	4.38727	6.1892	2.76484	1.09519	0.83956	1.99703	4.92985	5.56785	4.84579	6.73581	6.04563	3.73088	4.69327	1.85717
A1BG-AS	2.83473	3.31135	4.01912	2.95827	4.648	3.08198	3.31153	3.98218	3.60923	3.26858	5.18054	3.53998	3.25147	3.07586	2.78105	4.68565
A1CF	6.30958	5.83166	6.00213	6.25751	5.26563	5.53282	5.46145	5.99319	5.69771	6.33267	5.4541	5.93181	4.85938	6.0042	5.08327	6.07446
A2M	7.53657	6.84655	7.24701	7.23475	7.47622	6.94612	7.12611	8.40127	8.07239	8.73084	7.34276	7.11463	7.32427	7.05573	7.36089	7.53361
A2M-AS1	6.28839	6.2608	6.54494	5.79284	5.43993	6.18539	6.22443	6.66328	6.40584	6.39317	6.01426	6.10324	6.26776	5.56916	5.64227	6.03639
A2ML1	5.13097	5.66181	4.94408	6.00906	6.40621	5.00425	7.9568	6.61041	6.22827	5.15242	6.75356	5.60986	5.14525	6.46341	6.73659	5.85235
A2MP1	5.50837	5.95677	6.46024	6.66985	6.38992	6.63353	5.37804	6.1892	6.18897	6.19774	5.50327	5.82688	6.01067	6.08974	5.79997	6.0554
A4GALT	6.7635	7.16885	6.12102	5.22998	5.71377	5.90377	5.6459	4.1207	5.14293	5.29843	6.846	5.50994	5.76673	6.4813	3.662	4.02973
A4GNT	4.88056	2.77081	5.10579	3.33739	5.73855	3.74792	3.8062	4.97563	2.95663	2.85867	4.70546	3.61408	5.19521	4.03667	3.8556	2.69842
AA06	6.5847	6.85697	6.27377	6.35062	6.68879	6.31072	6.34043	7.04737	5.66243	6.87988	6.39244	6.5042	6.706	6.73122	6.59632	6.76772
AAAS	4.25043	3.6935	4.63576	3.90548	4.55455	4.21854	5.29949	3.49069	5.58889	3.36001	5.14516	6.05673	4.13938	5.879	5.56599	3.23061
AACS	8.70344	8.4102	8.69194	7.77168	8.64334	8.48395	9.65256	8.16348	8.10408	9.58085	8.32463	8.51199	7.54151	10.429	8.24481	7.38177
AACSP1	3.93705	3.46411	3.86359	3.54894	3.76997	3.601	7.15323	6.05079	2.97568	3.50939	3.65785	4.01677	3.96898	6.26612	6.67266	4.04011
AADAC	7.24292	6.71451	5.87632	4.97617	7.23209	5.14236	7.34125	5.96686	7.89799	4.68824	4.99562	5.5785	5.16629	7.08843	6.29468	6.08232
AADACL	-0.7797	4.16408	2.93758	3.53793	4.6969	3.66504	6.03446	4.03022	5.20828	1.78758	4.10776	2.07548	5.20492	0.01726	2.7465	6.5788
AADACP	7.98493	6.8404	5.70887	6.55254	6.04132	2.45459	5.50962	2.21132	5.18228	4.77152	2.36593	4.59609	4.32095	5.88688	2.14289	3.83921
AADAT	4.6618	2.46272	1.88755	2.52969	2.0729	1.73976	2.23396	2.98628	2.43603	2.19868	1.48752	3.39606	2.31554	2.68036	3.29289	1.98412
AAED1	6.11683	5.43602	4.60079	6.0029	4.97329	3.87636	2.39011	3.92749	3.5404	5.67897	7.27109	6.98113	7.48739	5.30815	5.65893	5.23003
AAGAB	5.08387	4.58277	4.98037	5.04437	5.67243	5.09271	5.22533	5.54645	5.15336	4.79475	4.97056	5.15466	4.38335	4.85029	5.16359	5.25551
AAK1	5.57367	5.92232	5.59651	5.86835	5.1418	5.95854	5.84505	5.41227	5.5234	5.40648	5.76118	5.71666	5.44882	5.78145	4.94125	5.23713
AAMDC	6.45894	6.10515	6.04791	6.74074	6.64424	6.54889	6.51112	6.2982	6.25094	7.27669	6.3009	6.94031	6.53804	6.17362	6.80475	6.774
AAMP	6.76762	4.86753	6.66101	7.03808	5.9728	5.18115	4.98886	4.37563	6.493	6.02266	6.9671	7.58232	6.67195	7.51158	6.24612	4.43077
AANAT	1.87757	1.62441	3.07458	1.444	2.21727	2.34348	2.73211	1.91261	2.79078	2.57765	1.7041	2.15748	2.42653	2.25724	2.23945	1.62293
AAR2	6.64116	4.16994	3.50622	4.25955	7.40692	3.95264	4.89377	5.87608	6.86436	6.76291	7.62165	7.07057	8.40648	6.22003	7.20767	6.16281
AARS	8.34989	8.00842	8.843	8.25283	7.98012	7.56344	8.25183	8.58931	8.396	9.06963	8.45232	9.1358	8.23129	9.7568	8.48075	8.27662
AARS2	6.94865	6.41846	6.85717	6.4969	7.49352	7.18309	7.42946	7.88823	7.24112	6.71402	6.26566	7.66306	6.25222	6.4803	7.35865	6.89606
AASDH	6.57977	6.77732	6.87459	7.32914	5.59779	7.08078	6.82609	6.69095	7.00686	6.134	6.4299	7.432	7.29882	6.96888	7.23812	6.60555
AASDHP	5.92139	6.23263	6.42868	6.52623	6.31164	6.6676	6.11977	6.18181	6.10632	6.0522	6.13014	5.1487	6.2594	6.13169	6.34034	6.28487
AASS	5.09722	5.40398	5.55587	4.63576	4.78093	5.3962	5.32756	5.42868	5.57398	6.2778	5.01314	5.11218	6.2306	3.80675	5.42842	5.74209
AATF	7.65963	8.22616	7.79416	7.91731	7.96811	8.23881	7.92974	8.15069	8.61099	8.901	8.30008	8.61593	8.17211	8.55202	8.30348	8.33649
AATK	5.72184	6.65991	6.36237	5.82067	6.31957	6.93659	6.70844	7.1645	6.75957	6.97977	6.46239	6.07969	6.75796	5.6617	6.42667	5.92868
AB48878	4.12999	6.04946	6.10171	2.77414	3.55491	6.72801	6.78477	4.75563	6.69578	7.05094	5.65707	4.36401	3.53101	5.97927	3.52918	3.38208
ABAT	8.64938	7.5738	7.25116	7.26944	7.04666	6.52323	5.85076	6.00149	6.98142	7.63653	6.545	7.14861	5.26342	4.90822	7.10409	7.20233

ABCA1	5.31887	6.41319	6.03493	6.1383	6.00366	5.99003	5.89644	5.96497	6.01819	5.51713	6.35935	5.75929	6.4977	5.77127	5.98617	5.88764
ABCA11	8.09246	7.61253	7.2494	7.39533	7.61253	7.62309	6.82297	8.03609	7.19982	8.64502	5.99489	7.56936	8.16815	7.25808	7.8917	8.41394
ABCA12	0.82494	5.26872	3.82769	2.85497	5.15416	4.52501	4.01749	4.83606	2.81157	4.89182	4.48301	2.69934	6.15519	3.6977	5.09413	2.99971
ABCA13	8.96044	7.12396	6.29754	7.09703	6.79415	6.72362	7.96217	2.31976	6.14455	3.38408	5.01553	5.07278	4.70118	5.70234	7.1117	5.94805
ABCA17	4.92233	4.56226	6.12624	6.99952	7.50752	6.58204	7.16583	7.38282	7.25884	6.06544	7.20767	6.89843	7.48643	7.28524	7.86001	7.27521
ABCA2	4.61485	5.28765	5.11528	5.19435	4.69793	5.55036	4.19874	4.85434	4.77515	4.87494	4.84399	6.04735	5.33678	4.9186	4.85148	5.26618
ABCA3	7.39669	7.86596	8.05692	7.62133	9.99505	7.7049	9.51816	8.09518	7.5679	7.93896	7.08158	9.50129	8.37121	10.7017	10.0778	8.17633
ABCA4	4.05776	4.01937	4.96187	4.16905	3.82238	3.78328	4.40218	4.09395	4.15902	4.88552	5.29914	3.78662	4.53105	4.10559	4.90822	4.18038
ABCA5	6.48361	5.12987	5.7106	5.26064	5.03836	6.5687	6.19282	5.25291	6.14973	5.37172	4.8006	4.7818	4.52611	5.30133	4.814	4.57997
ABCA6	5.45924	5.29349	5.58275	5.70679	5.20742	5.49044	5.61119	5.76823	4.85113	6.12439	5.59123	5.37044	2.7137	4.67459	5.291	5.36439
ABCA7	8.64502	8.31492	8.44434	7.8143	7.8917	7.89362	7.77654	8.02825	7.96362	8.1398	7.45606	8.48815	7.50047	7.66201	7.90573	7.97302
ABCA8	5.07937	4.50716	5.73966	3.75676	3.33011	4.4487	3.77267	3.20109	4.71959	4.81941	3.54227	4.96357	4.12179	3.62297	2.46835	4.0662
ABCA9	5.32208	5.7047	5.68304	5.19399	4.43223	5.37412	5.62247	5.75522	5.79553	4.93048	5.29702	5.26675	4.49472	4.8258	5.20662	5.48325
ABCB1	5.9407	6.38087	6.60392	6.21417	5.66075	5.94111	5.15717	5.66702	5.8274	6.64395	6.10464	5.84712	4.59445	4.88353	5.79136	5.75079
ABCB10	7.08637	7.05094	7.60835	7.54102	8.57525	6.71622	7.46031	6.92888	7.20587	7.35953	8.17657	6.37229	7.60189	8.39657	8.07098	8.11503
ABCB11	3.01442	3.83088	2.73163	3.10996	3.81298	4.13561	3.47278	3.80732	2.66015	3.45289	3.19332	3.37829	3.26202	3.2224	4.06587	2.89937
ABCB4	2.9749	5.26074	4.92302	4.36458	4.83281	4.94752	2.68598	2.48475	4.01027	4.45971	2.23296	4.37434	2.38733	2.76036	3.08843	3.0432
ABCB5	2.51481	3.02853	2.73444	3.30838	3.90408	3.60427	4.04682	3.86323	3.01289	2.91618	4.23209	4.14056	3.43713	3.40772	3.02476	3.7348
ABCB6	6.17407	5.96539	6.22725	5.67887	6.46428	6.1073	5.7063	5.72572	5.78989	5.97318	5.24833	6.30532	6.14545	6.41388	5.9914	6.14157
ABCB7	6.82452	6.92136	6.56886	6.69951	6.81365	6.43994	6.5815	7.29401	7.34856	6.82158	6.40488	6.47236	6.07459	6.24419	6.71818	6.48543
ABCB8	5.19221	5.09531	4.80389	4.81497	4.96439	4.89861	5.41316	5.30102	5.11909	5.1517	5.09503	5.11244	5.3608	5.52677	5.28812	4.9146
ABCB9	5.78287	5.55712	5.81438	5.77758	5.83219	5.94789	5.90894	6.34464	5.60814	6.15028	5.41209	5.6494	5.76238	6.00927	5.50496	6.20086
ABCC1	6.15028	7.22016	7.03044	6.31181	7.70349	7.97768	6.46606	7.63045	7.61408	6.79415	6.94323	7.58033	8.42938	8.08867	7.97619	7.1301
ABCC10	8.5194	7.86265	8.39908	8.17252	8.44366	8.74527	8.27215	8.48395	8.77677	7.19524	7.96835	9.1743	8.05282	8.40127	8.20911	7.88701
ABCC11	3.07422	3.02655	3.29459	3.23826	2.9557	2.73444	3.75544	2.87672	2.2766	3.1203	3.42552	3.20458	4.53976	3.49524	3.36413	3.63421
ABCC12	2.95492	2.31336	2.32175	2.76892	2.3147	2.71495	3.45111	2.32747	3.2376	2.59004	2.97713	3.28749	3.65214	2.56188	2.66394	2.54448
ABCC13	5.17075	4.90583	5.62183	5.53161	4.60513	4.98956	4.8484	5.55021	5.53943	5.2505	4.81141	5.60707	5.67397	5.24569	5.69362	5.4729
ABCC2	3.64066	3.54594	3.38079	3.13915	3.92606	3.30682	1.80024	3.6374	3.27349	3.62321	3.50469	2.95936	2.92938	3.66246	3.06557	1.70353
ABCC3	5.16727	4.99197	4.91924	4.93366	5.15143	4.83068	4.47194	5.06482	5.1722	5.10912	4.79693	5.04032	4.53792	4.52167	4.47294	4.54077
ABCC4	4.53474	4.69141	6.16601	5.00917	5.0097	5.34089	5.39781	5.66879	4.84732	4.48422	6.05129	5.34415	5.38153	5.73881	5.85107	5.73685
ABCC5	7.98921	7.69211	7.07424	6.96741	8.05719	7.50077	7.74569	7.40184	8.35699	7.02669	7.05651	7.56657	7.53498	7.80406	7.8431	7.71156
ABCC6P	2.16905	2.01809	3.15379	2.1445	3.91616	1.53719	3.03237	2.34717	2.03262	3.21812	2.41572	2.31832	2.42653	1.02124	2.54889	1.92725
ABCC8	3.32935	3.46662	3.84816	3.05024	2.95959	3.97447	3.26202	3.6498	3.65754	3.25492	3.38113	3.16274	3.26154	3.43881	3.25017	3.88402
ABCC9	4.48075	4.574	5.49021	5.13036	5.59343	4.32719	5.04748	4.82307	5.33359	4.6787	4.98271	4.57686	4.32782	5.24722	4.69843	5.30826
ABCD1	6.41859	6.88467	6.54598	5.82803	6.34334	5.91704	6.5522	6.70121	6.77204	5.87873	6.47995	6.66575	6.66317	6.51043	6.24118	6.39634

ABCD2	3.09851	4.98706	5.20172	4.66453	4.60294	3.11933	3.29192	4.17171	4.59837	4.66895	5.27788	4.42829	2.29255	4.02061	4.52824	5.11359
ABCD3	6.59123	7.75423	6.59344	7.36632	8.20021	6.29208	6.15875	5.16727	6.73794	8.35767	7.59573	7.05445	7.15791	6.58362	6.6164	6.54125
ABCD4	6.95587	5.66075	6.07207	6.3799	6.52034	5.66331	6.51208	5.16446	5.53829	5.73452	6.10303	6.58617	4.71779	6.16456	6.25817	6.61185
ABCE1	8.39116	8.66491	9.06728	8.26281	9.6967	8.93431	9.20103	9.46488	9.10516	8.74734	9.29168	7.67899	9.27873	8.91007	9.26858	9.55257
ABCF1	9.08964	9.39515	9.27873	9.02566	9.60844	9.65062	9.33233	9.49763	9.91339	9.55947	9.83281	9.81371	9.29297	9.61231	9.60844	9.11675
ABCF2	4.96515	4.71641	4.57105	4.85148	5.41012	4.1998	4.77367	4.99475	5.60785	5.10752	6.13689	5.8311	4.70708	5.39911	5.62183	5.64638
ABCF3	6.21786	6.62227	5.50806	6.45334	6.51258	7.10122	5.16078	6.77516	7.02968	7.27394	7.13044	7.05207	4.60738	6.55748	6.49942	6.81012
ABCG1	7.90683	7.57865	7.65049	7.06232	8.12568	8.10743	7.85515	7.43992	7.27843	7.78755	7.1569	7.73058	7.31148	6.71288	7.4416	7.90366
ABCG2	6.06855	6.83716	7.148	6.95493	6.58803	7.2405	7.06066	7.27573	6.28105	7.07787	6.13206	7.06113	7.165	7.01426	7.03819	7.3706
ABCG4	6.26733	5.19457	3.91127	6.97134	3.86774	5.69972	4.20319	4.18478	5.74686	5.23533	6.46966	5.39305	6.10048	5.63684	5.50096	6.39033
ABCG5	2.27273	2.53824	3.23213	2.52969	3.38334	2.97137	3.2194	3.96044	2.95663	2.66614	3.07695	3.23711	4.38612	2.99448	3.34075	3.87671
ABCG8	4.0622	2.61396	3.21294	4.63885	3.18522	3.22527	2.58845	4.42433	4.06039	3.87941	3.43836	3.60204	2.96494	2.74868	2.72952	3.20278
ABHD1	3.5702	3.58935	4.76796	5.27954	4.4442	3.59313	4.66095	4.66059	4.81738	3.99596	4.54584	5.24358	4.75435	5.18617	4.60868	4.3412
ABHD10	7.85698	7.8025	7.2013	7.65586	8.01606	8.04669	6.74418	7.62912	7.40236	7.50807	7.43124	7.19036	7.77017	7.48777	7.43858	7.57158
ABHD11	5.26485	6.29048	4.65034	5.04828	5.43309	6.33267	5.80545	6.69674	4.92622	6.04935	4.88984	5.45895	5.41981	5.61959	6.55687	5.89644
ABHD12	6.93736	7.25476	6.4737	6.90602	7.12158	7.12845	7.95894	7.39834	7.33768	7.4238	7.23328	7.55303	7.5216	8.48329	6.61079	7.58901
ABHD13	4.59297	5.33553	4.05738	4.72569	6.07557	5.66963	4.15902	3.59079	3.29541	4.26088	6.08001	3.32868	4.22024	3.77739	5.26588	6.00252
ABHD14	6.71745	6.33819	4.61987	7.09535	5.90945	5.68938	6.81741	5.96948	4.50459	7.24146	5.44563	5.42357	4.09292	6.31353	5.02595	4.94079
ABHD15	4.31556	5.6286	5.15041	4.75966	5.46159	4.73879	3.83857	3.81494	5.39807	5.48393	4.72569	6.07264	4.65266	3.66246	3.36098	3.62113
ABHD16	5.52199	5.00256	6.38062	5.76729	5.45592	5.94043	6.028	5.37537	5.8521	6.43406	6.00856	6.03071	6.22225	6.69536	4.99543	5.53386
ABHD16	2.27273	2.10562	2.21086	1.73098	2.10233	2.07394	1.91146	1.67907	1.98342	1.69907	1.91586	1.94688	1.7762	1.97057	1.70284	2.26153
ABHD17	8.10729	8.45424	7.98209	8.15026	7.08687	8.02183	7.28611	6.92888	7.5276	8.29403	8.22587	9.4722	8.19358	8.36968	7.31217	7.69886
ABHD17	7.11908	7.48739	7.09387	7.4292	7.45961	7.29437	6.90997	7.50536	7.38917	7.11055	7.35032	7.44518	7.48683	6.94396	6.55896	7.40067
ABHD17	7.62466	7.77899	7.49252	7.49062	8.56598	8.42321	8.4871	6.66787	7.50218	7.41612	7.82061	6.60911	7.28761	7.49942	8.22616	8.52405
ABHD2	6.83067	5.90589	6.18631	6.20086	5.18222	5.27357	6.95188	5.42686	7.24802	5.88528	5.90037	5.63775	4.67471	7.04923	4.63871	5.35251
ABHD3	8.97472	8.66141	9.22652	9.06394	9.17857	8.92819	9.3797	8.95432	8.71458	7.60958	8.74814	8.08385	8.88247	9.76458	9.83943	9.52648
ABHD4	5.50058	5.78123	5.73217	5.46335	6.16685	6.71757	6.47159	6.12841	7.07263	5.43688	6.72335	6.74255	6.22344	6.6589	5.75589	6.68022
ABHD5	5.87249	5.8259	5.57119	5.42929	5.40648	5.38078	5.67998	6.13608	4.89694	5.70072	5.77447	5.31156	5.44544	5.69337	5.17489	5.63161
ABHD6	6.85331	6.0728	6.1475	5.99607	5.61662	5.77268	5.48427	5.64319	5.45029	6.18822	5.979	5.62925	5.46691	5.74329	5.58893	6.07822
ABHD8	4.16955	4.03498	3.9636	3.78412	3.97307	4.14087	4.09381	4.28482	4.25669	4.20362	4.06326	3.86376	4.25636	4.18663	4.07595	4.07967
ABI1	6.82812	6.89645	7.00172	6.69213	6.70457	7.41725	6.67407	7.26516	6.57211	5.88899	7.40969	6.46176	6.40308	5.81272	6.14874	6.47632
ABI2	6.77516	5.69143	6.3353	6.30626	6.2358	6.53987	6.14896	6.34485	6.80739	6.87156	6.06726	6.26933	6.58617	6.12646	6.88861	6.71757
ABI3	6.89191	6.88208	7.21275	6.87563	6.91418	7.1648	7.19982	7.7897	7.06673	6.07564	6.94494	6.60987	6.96357	6.96211	6.95202	7.07187
ABI3BP	4.60422	5.81369	5.9606	5.44206	4.66526	4.60464	4.14331	4.52416	5.80324	5.28882	4.18221	4.15633	3.89582	3.0635	4.0856	4.31151
ABL1	7.19964	7.58402	8.14058	7.16525	7.58761	9.18772	6.56778	7.23174	7.80998	8.01668	7.82199	7.97508	7.57707	7.99727	8.03184	7.60636

ABL2	6.5143	6.49354	6.69495	6.72122	6.7551	6.51169	6.25012	6.84758	6.7396	6.9108	6.90055	6.76495	6.62173	6.51571	6.74157	6.60163
ABLIM1	7.79201	7.78475	7.9407	7.24756	7.37737	7.62696	7.25522	7.12375	7.60818	8.78506	7.51042	7.1968	6.87912	7.69211	7.27934	6.74201
ABLIM2	6.37758	6.63258	6.46228	6.38175	6.6551	6.60967	6.91829	6.7557	6.54955	7.14332	6.59049	6.36226	6.3264	6.71221	6.77226	6.58737
ABLIM3	6.17842	7.10887	6.98087	6.9573	5.94464	6.65029	4.41747	7.49996	5.89088	6.961	6.90931	7.13919	5.21576	6.47656	5.97678	6.47245
ABO	5.692	4.01247	5.22008	4.89773	4.33877	3.44577	5.51296	4.9038	3.47324	4.14429	4.79956	4.73694	4.02372	3.70541	4.11388	4.79407
ABR	7.56707	7.90554	7.75767	7.99451	6.87868	7.43691	7.47017	7.46174	7.08674	7.72681	7.34486	8.05986	7.43254	7.98889	7.76259	7.23328
ABRA	2.98959	3.14998	3.60186	3.08893	2.62644	3.29312	3.56378	3.20596	2.98553	3.39527	2.89196	2.47594	2.80263	3.11441	2.72078	2.52389
ABRACL	8.95622	10.1183	10.7222	10.545	11.4604	11.0825	10.783	11.0417	10.8573	9.32537	10.5276	10.5276	11.2558	10.6972	11.2756	11.1093
ABT1	6.7905	7.36788	6.71005	7.13821	7.13003	7.37723	5.7251	7.31058	7.80162	7.04107	6.95042	8.32816	7.56307	7.70533	6.43759	7.3638
ABTB1	4.33979	4.12115	4.05696	4.42448	4.48882	4.12326	5.2068	4.48551	3.72239	4.02672	3.95816	4.76263	4.02891	4.64889	4.196	4.26862
ABTB2	2.92084	2.75669	3.35869	2.92993	4.96603	5.72177	4.68671	3.16088	4.00169	4.04041	4.4394	4.41381	4.85621	5.35608	5.12987	2.81469
AC00011	3.6565	4.534	4.65435	4.64889	4.03498	5.01102	4.27634	4.91489	2.03262	3.68301	3.58961	4.22176	4.65266	3.62944	3.34075	4.92092
AC00205	7.44587	8.02925	7.42774	7.55611	7.63764	7.59745	7.66624	7.97105	8.02754	8.05538	7.56028	8.3171	8.04247	7.78463	7.9949	7.53288
AC00206	3.22144	3.06378	1.85463	1.85049	1.88842	1.78116	3.00912	1.91261	2.64558	2.91059	3.3159	2.97562	2.46016	1.88842	2.00801	3.28662
AC00397	5.2904	3.03524	2.00164	3.30112	3.59057	2.39513	4.47708	5.24358	3.31034	2.69205	2.66551	5.10586	2.83935	4.09275	4.87602	0.61335
AC00398	3.9256	5.70016	4.70118	6.18076	3.97307	5.1154	3.71929	3.8281	5.17084	3.87941	4.32438	3.65608	3.26844	1.72157	5.36869	3.04866
AC00469	8.15094	8.76046	7.98571	8.44653	8.24659	8.00564	7.91273	7.91644	7.91288	7.88701	8.27019	9.43496	9.01455	8.85906	7.73397	9.13234
AC00494	4.29421	3.18041	4.82281	3.8167	7.17165	5.65526	2.47678	3.81494	6.1599	4.02075	6.79376	4.3486	3.80685	6.20259	5.51437	4.07967
AC00516	5.58309	5.90903	5.73502	7.08717	5.45343	5.4046	5.42167	6.29666	5.08822	6.09515	5.11463	5.93911	6.95773	6.72068	5.0902	6.77848
AC00522	5.38177	5.59938	5.96686	5.16352	6.20547	5.08982	5.27954	5.50242	5.48228	5.89969	3.97251	5.78642	6.47493	5.02586	5.91325	6.18379
AC00525	4.22576	4.38909	4.74151	2.25844	3.71929	4.45264	4.02856	4.36705	4.39872	6.02598	4.3863	4.90933	4.09292	4.47605	5.7174	4.17756
AC00530	6.72621	6.39101	6.12451	5.77843	6.32989	5.77015	6.99315	6.6651	6.38388	4.0807	6.18738	6.47821	5.96738	6.39507	5.41777	6.9375
AC00549	3.29685	2.31976	3.09945	3.49407	3.59057	3.22527	2.96225	1.22235	3.00175	3.29126	2.50161	5.30957	2.98256	3.8419	5.15918	2.65953
AC00552	5.04015	5.25716	5.47111	7.41378	5.78152	7.16285	3.76501	2.67421	5.93318	5.541	4.81597	7.18517	4.97252	5.79613	3.58891	4.56661
AC00552	3.99584	3.48434	3.22117	3.1203	2.44843	2.5608	2.3531	2.8638	2.73661	1.35594	2.8192	4.73008	2.94778	1.17253	2.59102	3.60117
AC00553	4.72849	1.16965	3.26549	2.12186	2.50418	2.60961	2.8619	2.61382	2.07939	3.41751	1.54854	2.76999	4.27078	1.78331	3.12323	4.45493
AC00559	3.80647	4.71408	4.53653	5.03262	3.48434	4.47194	5.59446	3.98218	4.77313	3.87941	2.91487	4.54726	5.51666	4.92635	5.24618	3.08868
AC00560	1.79935	4.78107	5.4513	5.302	6.00448	5.74682	4.12999	5.50579	5.98862	5.44823	5.00881	4.33523	1.7762	5.87709	5.97678	4.2654
AC00578	5.38994	5.87972	5.41027	6.36848	5.62183	6.30311	7.00172	6.2512	6.43637	3.90306	6.49982	6.48488	6.31854	6.6512	6.2336	5.88338
AC00583	0.90643	1.40126	1.3689	0.64437	1.11444	1.59197	1.03884	1.83717	0.89896	1.15042	1.44615	1.63685	2.73615	1.1104	1.00765	1.27255
AC00602	7.23966	7.20114	6.26517	6.96795	5.00222	5.92834	5.16078	5.9545	4.24836	6.94359	5.8637	6.62122	5.49908	5.28258	4.87237	6.66639
AC00612	2.93125	2.01809	2.02586	2.06899	1.88842	1.90997	0.93298	1.67907	2.25875	2.04282	0.5704	2.34474	2.17097	2.01506	2.1886	2.19188
AC00653	5.32454	5.49584	5.16837	5.3091	5.54991	4.9311	5.24432	3.02948	4.52011	5.83234	5.44215	5.22709	5.76985	5.14368	5.50818	5.52251
AC00729	7.20734	6.8721	7.23174	7.13919	7.10887	6.70155	6.99978	7.70929	7.42688	6.59438	7.00532	6.42316	5.97368	6.42667	6.79281	6.14245
AC00734	4.81992	4.55111	3.13257	3.08274	3.46884	5.15361	3.98737	3.71916	3.95837	3.7682	2.95531	3.07028	6.59402	5.57489	2.67357	3.67519

AC00736	3.72561	2.81611	2.69546	3.36807	3.17475	2.80891	3.57604	3.1434	3.1994	3.43618	2.39801	4.23895	2.84807	3.32317	3.4933	3.03017
AC00736	4.68509	6.59871	5.79533	6.02751	5.64806	5.70221	5.48605	6.41673	5.0435	4.50434	5.40071	5.9213	6.29087	6.05071	5.54464	5.63859
AC00738	5.83789	5.86534	4.4962	5.8181	5.50313	6.53507	5.99481	7.23174	6.28105	5.56093	5.9634	6.71017	6.24425	6.10444	6.43655	6.2462
AC00740	6.47173	6.34341	6.52531	6.28503	5.55298	6.33191	5.98797	6.18589	5.81369	6.4835	5.91691	6.21114	6.14906	6.25888	5.66533	5.88338
AC00768	2.91334	2.86158	2.55526	2.31308	2.50418	2.58692	2.47678	2.64349	2.58986	2.57765	2.72092	2.38821	2.90755	2.51368	2.56931	2.65953
AC00778	3.98673	2.67513	3.59844	2.72117	1.80599	3.83233	4.06264	5.12208	4.95356	4.6502	3.19795	3.23711	3.91647	2.34474	2.881	1.85717
AC00808	5.34559	6.08725	5.53434	5.74598	5.26818	6.86019	6.18041	5.86281	5.7325	6.14368	5.61291	5.38286	5.55596	5.54064	5.70246	5.49859
AC00874	3.91761	3.77151	3.43133	4.07003	3.73869	3.49365	3.32901	3.56906	3.17124	3.79424	3.84453	3.72982	3.21485	3.58891	3.6535	3.37025
AC00875	3.61236	2.55772	1.95191	3.1994	2.73769	2.07394	3.65785	2.8638	1.32709	2.15841	3.02585	2.46803	2.62575	2.77311	3.29289	1.54854
AC00912	6.96146	6.36113	6.84002	5.76588	6.82761	6.48445	7.17445	6.84575	6.28391	7.09987	6.42465	6.43984	7.25	6.70182	6.57888	6.99294
AC00913	5.64699	6.51077	5.91869	5.85352	5.95171	6.05719	5.68863	6.64123	5.74444	5.68265	6.23907	6.38151	5.95444	6.51464	6.86547	6.28554
AC00950	3.75698	5.3987	6.1193	4.84374	5.82427	6.03254	6.64619	5.77447	6.19114	6.31711	6.29809	6.31543	3.98812	6.57182	5.45936	5.61148
AC01014	2.91334	2.94714	2.93758	4.22883	3.2065	3.33634	3.25433	3.79039	3.31034	3.11051	3.30436	3.72108	3.23246	3.14828	3.47504	3.99805
AC01052	5.62501	4.28659	5.42892	4.17769	4.47847	6.86171	6.36706	6.89947	6.21965	7.0755	4.31071	5.94761	6.10593	5.95087	6.42644	6.05846
AC01206	6.92054	6.52383	6.95784	7.39338	6.47083	6.83019	6.45222	6.33978	5.8109	5.76953	6.17343	7.0242	6.7118	6.43957	6.77263	6.19599
AC01236	5.05013	4.94092	3.46771	5.20417	3.93705	4.0466	4.45365	4.92969	4.94929	4.68137	5.55298	5.50994	5.12297	5.21946	6.48524	4.2082
AC01249	2.23882	2.84393	2.72411	3.17801	3.38334	1.73976	3.3753	3.97032	3.02333	3.66644	3.80883	1.77016	1.01457	2.25724	2.94685	2.96003
AC01253	5.36418	4.30874	2.93758	4.30655	3.33875	3.35168	3.29192	3.69279	3.72995	4.48115	4.28288	4.4329	3.32016	3.12884	4.21327	4.2961
AC01346	5.78082	6.71607	6.07564	5.91096	4.648	6.1732	6.17352	5.89117	4.41574	5.91325	6.27756	6.42187	6.4665	6.34532	5.66145	5.62406
AC01373	4.03747	2.93922	3.65386	4.081	3.44676	2.75925	2.25006	2.80132	3.08379	3.30026	4.37463	3.79424	4.12155	3.16009	2.66106	5.40961
AC01683	6.42136	6.25411	5.89711	5.9814	6.09857	6.18222	6.3927	6.62089	6.69578	6.10559	5.98199	6.4977	6.13336	6.56239	6.28952	6.73581
AC01699	5.50837	4.02672	3.75788	3.85758	3.70286	3.36385	3.93793	4.27613	5.54883	3.58913	4.92635	5.53814	4.13938	3.98175	4.33642	3.82879
AC01700	3.33951	3.40176	3.38079	3.15929	2.79083	3.49365	2.81469	2.91144	3.31034	2.80132	3.36559	2.79123	2.96494	3.07586	3.10868	2.88582
AC01710	6.61138	7.29172	6.21965	6.87781	6.83474	6.62543	6.16959	6.14509	6.94031	7.1743	6.89221	7.5305	6.98813	6.45018	7.11639	6.9933
AC01875	6.67225	7.65153	6.37807	7.24179	6.3927	6.8728	6.78662	7.16026	6.90596	7.43529	7.56925	7.49911	7.3755	7.51379	7.04821	6.74268
AC01875	3.11441	2.44316	2.04684	2.90159	4.10606	2.83735	3.27441	2.81438	2.88086	2.57765	2.85145	2.86273	3.12086	2.41572	2.07498	3.31065
AC01876	5.75547	5.53607	4.77797	3.57686	5.21228	5.94244	4.53887	5.31438	3.09248	5.47514	5.61082	5.27702	6.03661	4.40268	3.27847	4.84596
AC01881	5.45924	6.33721	6.14368	5.94351	6.08731	5.8125	5.97483	6.47261	6.26758	5.28156	6.78513	6.62723	6.71592	6.0005	6.34947	6.24835
AC02456	8.88035	7.70847	8.03931	7.65477	6.87495	7.1821	7.63603	7.57724	7.36235	7.44217	6.97693	7.5475	7.76031	7.39338	7.18028	7.37708
AC02544	5.16507	5.3793	5.50657	4.51562	5.14257	4.72736	5.01851	4.54782	2.84494	5.27357	5.71731	4.10622	3.51424	5.48228	5.76985	4.13461
AC06485	2.70064	3.48434	3.07458	5.06404	4.73152	5.32626	5.48605	4.00856	2.88086	4.75793	4.85938	4.7521	3.16183	3.33112	4.59688	2.94176
AC06795	4.71569	1.09002	2.90619	1.444	5.02465	2.42212	2.15094	2.21132	1.98342	1.63837	2.04035	3.33905	2.5663	2.77311	1.97136	2.22886
AC06803	5.11171	4.54463	6.12808	5.0822	4.67141	4.91834	4.9822	5.5136	4.72987	6.06084	5.27518	5.24488	5.23232	2.77311	4.62482	4.61466
AC06813	6.24408	5.97245	5.42908	5.5845	4.94911	5.84566	6.12808	5.95144	5.8292	6.34241	5.8694	6.93537	6.60987	6.58393	6.19683	6.17688
AC06883	3.97679	3.52573	4.06126	2.88071	3.29261	3.98206	4.42347	3.39861	4.37613	4.11891	3.6751	3.38388	3.34323	4.65312	3.32134	2.19188

AC07328	3.62466	3.19069	4.26508	3.15929	3.12473	4.01812	5.28371	3.61778	4.86753	3.31009	4.37803	4.21622	2.8623	2.88516	3.53974	3.63765
AC07332	4.13997	2.8813	4.6804	5.04161	3.71929	2.21366	3.90378	3.21508	2.58986	4.79873	0.5704	3.36359	4.64622	3.31071	3.40607	4.46349
AC07421	4.80917	4.77355	4.87039	4.41154	4.67745	3.61885	4.11235	4.24274	3.84953	4.87682	4.08527	3.9949	3.73075	4.54652	3.67873	4.58025
AC07930	5.28671	3.69964	3.0591	2.184	2.81309	2.36638	1.32308	2.91144	3.00175	3.13394	2.04035	3.58989	3.28382	2.59761	2.59102	4.30978
AC07974	5.54724	5.70016	5.09503	3.65448	4.82316	4.76146	5.42833	5.04171	5.039	5.39899	2.24458	5.32102	5.53039	4.68646	5.57669	5.8754
AC07976	6.69137	7.92893	6.97588	7.67813	7.04397	7.36846	6.31431	7.20142	7.67213	6.10559	6.42656	7.26649	7.51651	6.22225	6.79376	7.01033
AC07980	3.38024	3.38769	3.79811	4.00732	2.1445	3.83233	3.20323	4.69169	4.28137	4.25004	4.33293	4.60738	4.60738	3.47687	4.51056	5.302
AC08384	3.89091	2.70414	4.79981	3.22999	4.44343	4.66469	4.12376	3.22421	4.73969	3.81591	4.82733	3.28265	4.66213	4.12557	4.4107	4.35606
AC08394	6.28284	5.90543	5.84081	6.12383	4.85056	5.60571	6.41151	6.54251	6.67871	4.72103	5.80469	6.18061	6.28889	5.29621	5.83181	6.10582
AC08421	5.03158	5.63467	5.80143	5.27329	5.59136	4.63716	5.92421	6.43173	4.4546	5.32848	4.90058	4.92917	3.61424	6.08128	4.04773	6.34361
AC08750	6.32655	6.17352	6.01115	6.10495	6.17775	6.16481	5.77371	6.55426	6.42327	6.49415	6.36329	6.26204	5.99292	6.81098	5.85419	6.51441
AC09062	5.2904	4.58969	5.74919	5.17832	5.23021	3.82218	3.70182	4.03022	5.10973	4.78962	3.0131	2.76999	3.7479	5.04161	2.39175	4.32644
AC09113	5.99039	5.38125	5.02484	4.7949	6.82917	5.88087	7.74178	3.08616	5.90229	5.59567	4.28892	4.77927	2.79294	5.89338	5.88618	5.73121
AC09163	3.33951	5.08129	4.39825	4.93594	5.32334	3.87636	4.09381	5.55549	5.23893	4.96614	4.36917	4.77455	5.17427	4.64607	4.6804	4.3381
AC09219	3.87518	3.16637	5.38936	3.25646	3.93705	3.24275	5.19203	2.95859	4.71298	3.31009	2.77081	2.36593	2.92938	3.73088	3.53974	6.01401
AC09262	6.63225	6.45844	6.87603	5.87754	6.76245	6.39462	8.01932	7.22861	5.9545	6.71324	6.00149	4.873	6.31854	7.64001	6.73599	6.30041
AC09266	5.16837	3.90521	4.95276	4.38405	5.3139	5.26406	6.14478	5.10007	4.72987	4.75195	3.09709	3.0573	5.01701	3.64454	6.13042	5.77838
AC09266	3.59987	3.34445	2.8391	3.97084	3.59057	3.11933	3.08298	2.98628	3.5404	5.50605	3.79556	3.79097	3.89335	3.46534	3.8556	3.23061
AC10083	5.33339	3.45279	3.32481	3.36292	3.94739	5.59054	5.85864	5.01102	2.58986	4.17211	3.97251	4.9875	2.52228	5.47358	4.963	5.55105
AC10466	4.3226	4.60422	4.28615	6.20003	5.879	4.52501	5.36614	4.28482	3.80565	4.25792	4.44812	4.14691	5.49908	6.86516	3.71004	4.88285
AC10680	6.6607	6.48301	6.48767	6.39124	6.96882	6.54728	6.76152	7.52671	6.56778	6.56076	6.75832	7.16136	6.85892	7.08411	7.40707	6.85454
AC10805	2.47437	1.54402	4.82733	5.01314	4.14888	4.7822	4.87555	3.76379	3.09248	2.75002	4.15843	5.15888	2.7137	3.39861	4.13924	2.45954
AC11219	5.00904	3.28675	5.22231	5.45206	4.11679	5.72006	5.50534	4.52735	5.58265	6.02598	5.3795	5.76939	6.03661	5.64502	4.57172	3.65514
AC11473	1.44194	2.94714	3.69741	3.02476	2.36593	3.68688	2.3531	3.70769	1.87545	3.172	2.45719	2.10229	1.53958	4.4695	2.59102	3.0606
AC11475	2.88015	3.09358	2.86268	2.81334	4.16584	2.74824	2.75954	3.0481	2.81157	3.11051	3.73917	3.96659	3.21485	2.34474	3.89112	4.85485
AC12499	2.58692	4.40668	4.64876	5.15758	4.42618	3.93664	3.84674	4.95679	3.88943	3.37812	1.67696	4.25098	5.64247	4.29638	1.52655	4.08624
AC13628	6.24052	6.33362	6.36237	6.34698	5.86972	5.54219	6.31431	6.27958	6.08585	6.5296	6.36189	6.33379	6.30778	5.94115	6.16699	6.03191
AC13910	3.33951	2.81246	3.21294	3.17801	3.64173	3.30682	3.10453	4.20167	3.90229	1.96807	2.58746	4.29721	1.86408	2.41572	3.57849	2.04035
AC14192	6.47803	5.94581	6.11067	7.01338	5.38706	5.93008	4.94808	5.78927	6.48524	6.20437	6.42868	6.04259	6.28135	5.77513	6.40922	6.42518
AC14465	4.20074	5.05825	5.02484	5.86075	4.02718	3.84347	4.61995	5.3451	4.65881	4.70305	3.74792	5.63434	4.72718	4.1611	6.07137	5.34309
AC14534	7.02287	7.41461	6.77874	6.60536	6.63133	6.51684	6.59019	6.97901	6.55586	6.64145	6.68597	6.77663	6.66007	6.94742	6.52136	7.20295
ACAA1	7.6183	8.48009	8.03276	8.07048	7.54252	8.217	7.66076	8.67187	8.51154	8.8088	8.62877	9.12492	7.65726	7.68518	7.33414	8.06036
ACAA2	3.79318	3.86625	5.16102	4.66774	4.9939	4.29221	4.2106	4.49501	5.45098	4.26411	5.86679	4.77355	4.41644	4.22871	4.26599	4.28084
ACACA	6.3346	6.5545	5.20401	4.10334	5.79553	5.9554	7.21997	6.49447	6.11761	6.75544	7.62114	5.13629	5.65403	6.88646	6.64741	7.04784
ACACB	6.40922	6.01167	6.5886	5.97782	5.73993	5.86985	6.17432	6.00366	5.8278	6.56625	5.75151	7.24112	5.38244	5.49443	5.60533	5.50296

ACAD10	4.44321	4.48882	4.62221	4.21488	4.57125	4.34289	4.52648	4.61007	4.51071	4.97087	4.67909	4.58758	4.55416	4.96649	4.77406	4.85971
ACAD8	6.43709	6.31526	6.30852	5.82316	6.37241	6.30311	5.48605	5.35451	5.86424	7.35446	6.90081	7.11489	6.06337	5.27844	6.08635	6.18726
ACAD9	9.7059	8.74814	8.52907	8.41962	8.84058	8.90205	9.28207	9.40053	8.7789	9.14095	9.12067	9.2553	8.7324	8.69245	9.0037	9.09718
ACADL	3.54571	3.82945	2.99228	3.88932	4.2696	3.34714	4.16478	4.15705	3.44785	6.05903	2.49556	2.56188	3.62493	3.84953	3.71651	3.47743
ACADM	9.34108	9.55602	10.1887	9.82707	10.2227	9.09834	9.22223	9.22523	8.81664	9.38907	9.6066	8.70805	9.43764	9.39209	10.0193	9.05406
ACADS	7.56648	7.87596	7.24097	7.04952	6.74902	6.9731	7.21132	7.13353	7.73582	7.63902	7.56421	7.89195	7.61499	7.07903	6.97868	7.35723
ACADSB	6.98515	7.3146	6.53673	6.61572	6.25094	6.68886	6.35836	7.4267	7.30834	7.18699	6.07188	6.01633	7.91179	6.80432	6.92986	8.28608
ACADVL	10.3833	9.98188	10.2527	9.46931	10.4028	9.90653	9.79051	9.28163	9.2048	10.9225	9.65881	10.509	9.49577	10.7518	9.92829	9.7449
ACAN	4.822	4.85358	4.15981	4.981	4.30752	4.52811	4.81041	4.44653	4.78736	4.57597	5.20628	5.01373	4.48882	4.94152	5.34463	4.2689
ACAP1	6.11019	6.58264	5.7212	5.86754	6.13381	6.59491	4.88861	5.3328	6.28914	4.9537	6.73688	7.35989	5.24432	4.30055	4.78683	5.11501
ACAP2	7.51679	7.32333	7.14616	7.55999	7.30969	7.43279	7.98012	7.66787	7.85105	7.02326	7.49517	6.2519	7.18784	7.06124	7.36602	7.2181
ACAP3	5.3422	5.83541	5.71612	4.86734	4.80513	5.28718	5.34309	5.96539	4.95084	5.88006	5.19435	6.46624	6.25446	6.22158	5.46528	5.96774
ACAT1	5.40895	5.57026	5.39578	4.92384	5.38297	4.55379	4.11067	4.98989	5.80686	4.74678	5.80545	4.60638	4.93851	5.38559	4.41908	4.9984
ACAT2	6.59726	7.28627	6.15156	6.42442	8.21836	7.22892	6.91176	6.94031	7.78427	7.11405	7.11651	6.39985	7.21066	6.72068	7.27283	6.11097
ACBD3	7.51651	7.69081	8.60042	8.55896	7.06749	8.40722	8.07513	6.62237	8.71707	8.24533	7.74978	8.19737	8.01042	7.57459	8.24244	7.86001
ACBD4	5.99359	6.54628	6.43834	6.22361	5.00713	6.1219	6.00238	6.25369	6.53264	5.2535	4.95609	6.83691	6.19415	5.73779	6.00009	5.25031
ACBD5	7.68075	5.9345	6.38327	6.89454	6.58286	6.58666	7.70647	6.81012	7.51679	6.68437	6.94061	6.88109	6.56788	6.79643	5.88796	7.08864
ACBD6	7.57979	8.45232	7.36361	7.4535	8.86796	8.13649	8.73848	8.14909	8.90713	7.90795	8.17477	8.25549	8.63717	7.86024	8.79229	8.87234
ACCS	9.7224	8.46182	8.08303	8.37443	8.01042	8.68868	7.95239	7.8415	8.95215	9.02909	7.53434	9.10606	7.64528	7.91244	7.82787	8.38627
ACD	6.25222	5.70337	5.77656	7.11703	6.05522	6.98113	5.42167	6.07103	4.51187	5.2129	4.45332	7.21008	7.17993	7.44942	4.026	4.66581
ACE	2.73636	4.2445	4.33979	3.01248	3.72936	4.33482	3.86261	3.84953	3.9773	3.85006	4.62117	3.90511	3.72865	3.69005	3.82792	3.43618
ACE2	6.02581	4.97871	4.7519	5.06219	5.14689	4.68137	5.53739	5.27801	6.81217	4.89629	5.79691	4.62987	5.47803	5.78258	5.32428	6.28643
ACER1	6.23145	2.91316	5.05099	3.53793	3.73869	3.96435	3.45602	5.25151	3.00175	5.27076	2.85145	3.03309	2.7137	4.49472	3.04901	3.16144
ACER3	5.83966	5.9209	6.26194	5.63587	7.38774	8.03457	6.92499	6.61079	6.94509	5.24384	7.04642	6.91702	7.26814	6.52505	6.5958	6.46724
ACHE	3.1387	2.96792	3.46275	2.99709	3.11888	3.25017	2.74824	2.54821	2.38181	3.09909	2.60031	3.10589	3.56647	2.91561	2.37612	2.81587
ACIN1	6.7396	6.41627	6.23653	6.56975	6.92385	6.31072	6.47874	6.30382	6.05243	5.42929	6.50219	6.20784	6.20065	6.98305	6.05243	6.60839
ACKR1	7.44109	6.6686	8.63124	8.19149	2.83544	8.94679	4.10344	5.76823	5.37446	7.57572	7.69134	7.76709	4.14977	4.369	7.05005	3.85966
ACKR2	4.93087	4.78714	4.59901	4.90154	4.71089	4.54295	5.16507	5.31649	4.78336	4.23681	5.0545	5.04372	4.59974	4.27051	5.12946	5.04939
ACKR3	6.11992	4.89581	6.58481	6.10649	6.55112	6.31515	5.90589	4.89951	5.87129	2.92533	6.18849	6.17202	6.23723	5.25786	6.28777	4.23277
ACKR4	7.55025	5.56894	6.4813	6.9611	6.36951	6.0054	6.6174	6.78362	6.94927	7.00783	7.99823	6.23972	6.77226	5.49726	7.66901	6.09299
ACLY	7.31561	7.63603	7.4963	7.26624	7.68075	7.43454	7.74423	8.39387	8.16124	7.90882	8.11503	7.75127	7.46327	7.08796	7.52098	7.96074
ACMSD	5.01851	6.02361	4.35197	5.08982	4.99704	5.37003	4.67727	5.89776	1.92414	3.5256	4.22425	5.10586	5.74383	5.1836	5.37759	5.64598
ACN9	6.29625	6.32432	7.21275	7.2494	6.88181	7.09373	6.21098	6.31611	6.1544	6.69975	6.79656	6.80312	7.82767	6.78172	7.46733	7.83372
ACO1	5.65728	5.55223	4.8249	5.32428	5.27655	5.4303	5.15911	5.10961	6.02339	5.84449	6.07493	5.36443	5.28972	5.13399	5.0187	5.77398
ACO2	5.94111	6.50329	5.63419	5.73609	6.08615	5.31006	5.2546	4.20764	5.47317	5.63345	6.45561	6.07584	5.38933	7.08078	6.29439	4.5638

ACOT11	4.51886	4.58359	4.52489	4.35078	3.95382	4.42232	4.33365	4.04734	4.45895	4.99264	4.45498	4.34089	4.95287	4.88936	3.94952	4.35917
ACOT12	2.23882	2.65522	3.20427	3.46996	4.39851	3.37812	3.20323	5.04974	2.47145	2.34717	3.981	2.79123	5.37108	5.02185	5.16539	4.76479
ACOT13	7.18187	6.81431	7.42774	8.01647	7.45626	7.94249	6.93899	8.19792	7.13648	7.03405	8.10844	8.01542	8.98153	8.09011	7.56395	7.59473
ACOT4	6.24848	6.76694	6.34176	6.72174	6.67527	5.78328	6.71054	6.40125	6.23376	5.80309	6.21461	6.69829	6.3799	6.599	6.19838	6.43909
ACOT6	2.75185	2.04582	2.59102	2.92162	2.97095	2.97137	3.27441	3.21508	2.86093	2.38782	3.21922	2.91196	2.79294	2.91144	2.67357	2.73131
ACOT7	5.36229	7.17104	6.06448	6.05071	5.97627	6.73855	7.53803	6.81474	6.43896	6.52193	7.26733	7.20659	7.24638	7.32963	6.91674	6.34674
ACOT8	7.34486	6.90931	6.33967	6.87481	5.74655	6.58645	6.59548	6.44381	6.04592	6.20495	7.0023	6.54152	7.10181	6.44327	6.05028	6.12279
ACOT9	7.96848	8.09678	8.91763	8.15714	8.51453	7.97233	7.2324	8.53182	8.04971	8.35614	8.91763	7.68154	7.91711	7.9507	8.10818	7.90118
ACOX1	5.46774	4.89312	4.7864	4.84501	5.09699	4.56634	4.98419	4.77355	4.84933	5.65363	5.12697	4.84572	5.20249	4.96966	4.88716	4.67765
ACOX2	5.53595	5.96723	5.41247	6.67173	5.61148	5.58627	5.69946	5.60047	6.16438	6.53737	6.12515	6.31925	6.49365	6.08128	5.65551	5.40805
ACOX3	7.13623	6.79938	7.04529	5.51925	6.70243	6.74635	5.8361	7.4919	7.48831	7.08593	6.19045	7.19424	6.08951	6.60354	7.07329	6.23233
ACOXL	5.10201	5.97943	6.28525	5.86242	4.96847	5.74749	5.65993	6.36493	5.82465	5.90568	5.01135	6.17461	5.70643	6.1716	5.54126	5.97352
ACP1	6.80475	7.17486	7.17603	7.25051	7.27143	7.0472	7.55589	7.75274	7.95413	7.25372	8.30082	7.46733	7.7985	7.53557	7.39921	7.77186
ACP2	7.3761	7.84333	7.66395	7.87951	7.38734	7.71363	7.58885	8.05538	8.3496	7.95275	8.3822	7.47692	8.31214	7.66664	7.57009	7.5682
ACP5	7.60433	9.32203	9.37478	8.396	8.43478	8.24849	6.6267	8.93303	10.5154	8.50078	8.71607	10.1711	9.80267	7.89942	8.17784	8.43209
ACP6	7.07656	6.96496	6.83957	7.02351	7.14896	7.48798	7.38556	7.05285	7.27538	7.46283	6.51789	7.15716	7.22727	7.3706	6.66527	7.69659
ACPP	4.46146	5.12779	3.36074	4.15353	4.16273	3.8062	3.92989	4.87555	5.18054	4.41747	3.84757	3.34714	3.55099	4.18064	3.99596	5.13528
ACPT	7.38139	7.69819	8.05758	7.10725	7.24621	7.51914	7.62165	7.49533	7.58013	7.55386	7.1202	7.73646	7.54638	7.58702	7.66076	7.86066
ACR	2.08404	2.13825	1.91144	2.81334	2.21727	4.29854	1.68451	1.96139	2.53538	4.38311	2.48014	3.85447	1.82475	1.59381	3.40607	2.19188
ACRBP	4.47847	5.40915	4.95106	4.93441	4.66353	5.42167	5.42944	5.30804	5.10201	5.30906	5.27924	4.59778	5.4498	5.1928	4.7932	5.05998
ACRC	5.2775	6.14859	6.21501	4.14041	7.46139	6.21688	6.87912	7.0602	6.32121	6.83889	6.22003	5.95942	6.72476	6.71745	6.48933	6.17688
ACRV1	5.98945	6.25329	6.81668	6.18015	6.10902	6.24627	6.17984	7.17104	6.50632	6.66212	6.0536	6.79541	6.36743	6.59103	6.6142	6.2802
ACSBG1	6.79643	3.74494	3.32655	4.95919	3.37574	4.04855	4.92917	4.15464	4.39426	2.184	3.8167	4.17798	4.64876	4.14797	3.59171	2.56704
ACSBG2	6.42302	5.40574	4.74575	5.72745	5.85581	6.18222	6.93899	5.20645	5.91108	5.71403	6.69854	7.12935	6.23514	4.65312	6.88191	6.53759
ACSF2	7.16146	6.30883	6.58617	6.35955	6.3335	6.49265	6.63184	6.1296	7.07535	6.67897	6.44799	7.23509	6.92817	6.73798	6.15548	6.61659
ACSF3	3.90229	5.05491	4.6779	4.98037	4.17744	5.10669	4.51021	4.91676	4.61534	4.47708	4.89403	5.02925	4.40913	4.35656	5.13493	4.86049
ACSL1	6.89144	6.99664	7.12234	6.98426	8.06308	6.51775	5.37466	7.30509	6.70411	8.898	9.27221	6.81217	6.52544	6.47754	7.59516	7.69696
ACSL3	9.35677	8.86529	9.34899	7.98889	8.27775	8.23685	7.55999	7.94931	9.14549	9.99653	8.70461	7.97302	8.11503	7.56657	8.93712	8.27821
ACSL4	5.71831	5.71218	6.75593	5.23337	5.65363	5.04615	4.2285	4.95161	5.99062	6.02475	6.39896	5.31683	4.47233	5.63462	4.95264	5.0536
ACSL5	7.65366	7.87426	8.25798	7.57314	7.87124	7.45459	6.78435	8.434	7.74219	6.4679	8.34166	8.11184	7.00304	6.98197	7.1078	7.30071
ACSL6	4.38855	5.09878	5.27976	5.04076	4.83307	5.16289	4.87799	5.10323	5.1312	4.48458	4.71933	4.94502	4.50537	4.98208	4.93129	4.87924
ACSM1	5.1428	5.78411	5.29733	5.17658	4.70708	4.08394	3.66815	3.20201	5.44738	5.63274	4.09619	3.84132	4.14389	4.70305	4.97217	4.41415
ACSM2A	2.97356	2.83786	4.49714	2.68598	3.49001	4.29558	3.55029	3.52782	3.94849	3.42552	3.37025	4.77009	3.27667	3.48275	4.51964	3.02852
ACSM2B	1.50761	5.10822	4.01912	1.80217	2.61273	1.995	4.45365	2.49961	2.5663	4.595	2.91487	2.13113	1.22969	2.99448	3.82329	2.31622
ACSM3	3.84816	3.49599	3.41615	3.55838	4.38784	2.7762	3.15356	3.35088	3.74859	4.47294	4.80155	3.6301	3.56769	4.49077	4.39716	3.75665

ACSM5	3.43713	4.36262	3.89481	4.86793	4.21547	4.97201	3.92314	4.49797	6.36119	3.90511	3.73269	5.38803	5.02259	3.77832	4.39265	4.97269
ACSS1	4.82167	4.70583	5.23593	5.00608	4.55792	4.57197	4.51222	4.11832	4.822	4.86169	4.73947	4.75996	4.08601	4.89352	4.69108	5.02851
ACSS2	8.04566	7.91588	6.54875	7.15992	7.01141	7.05116	7.57645	7.96312	7.90651	7.46068	7.7303	6.72174	7.71156	7.4238	7.25682	7.26403
ACSS3	6.72205	7.01211	6.64834	6.73451	6.65043	7.10181	8.00083	6.23412	6.59719	6.84907	5.72448	6.38496	6.11163	7.52685	6.07045	5.36574
ACTA1	5.76238	5.30145	5.31323	5.24358	5.75909	5.2058	4.99931	5.32306	5.11278	6.99677	5.08582	5.65417	6.39214	5.95512	5.4513	5.00386
ACTA2	7.22574	7.08815	7.61185	6.76542	7.33495	7.75007	6.42743	7.70564	5.75747	8.74814	7.09223	7.27077	6.76518	7.25444	7.43168	7.35068
ACTA2-A	4.50587	2.18884	2.65267	5.25444	5.16753	5.08982	5.36059	5.92197	5.18228	6.09515	5.36903	5.57585	5.48407	4.4695	5.67873	5.76162
ACTB	9.53523	9.30365	9.0587	9.1841	9.25156	8.23743	8.38294	9.41517	8.70013	9.53631	9.63071	8.17903	9.12408	9.47897	9.42873	9.37224
ACTC1	3.09851	5.68875	6.68069	4.29377	5.07679	4.24599	3.3753	5.20188	2.73661	8.10818	4.74167	5.64291	3.71375	6.43444	6.34474	3.6454
ACTG2	4.36033	3.65461	4.33027	3.61918	4.2003	4.03198	3.60577	5.12603	3.9636	6.581	4.82835	3.39031	2.61298	4.16643	4.23119	2.68229
ACTL10	6.10464	7.66116	6.76629	6.99403	6.35878	6.76454	6.74566	6.67817	6.63893	7.09448	6.83067	7.19136	7.54516	7.02408	6.88265	7.03381
ACTL6A	8.32646	8.37645	8.66746	8.6144	8.97654	8.63421	8.97179	8.54172	8.63421	8.22239	9.29696	8.69275	8.74609	8.5483	9.12731	9.24332
ACTL6B	3.73917	2.88947	3.14845	3.43168	2.84147	2.59362	2.94797	3.29685	2.72514	3.22527	2.86054	3.16446	3.30894	4.17188	3.18151	2.91365
ACTL7A	3.41112	1.88256	2.82464	2.90159	2.55772	2.5608	2.9333	3.39861	3.13363	2.12186	3.14656	2.15748	3.07124	3.24563	2.94685	2.28681
ACTL7B	3.64066	3.61956	3.5252	3.93679	3.75099	3.90614	3.89026	3.96044	3.5256	4.04734	3.69464	3.61408	4.34627	3.33112	3.29289	3.75934
ACTL8	3.53756	5.04076	3.6244	3.52553	3.26091	3.4746	3.818	5.46715	3.17124	2.61134	3.47644	2.91196	3.07124	3.0362	2.56931	3.80262
ACTL9	2.85784	0.47227	2.98152	0.29867	2.81309	2.74824	0.61735	0.76448	2.90046	3.65408	1.1038	2.83233	0.93298	3.07586	1.22113	3.08868
ACTN1	5.96325	5.68726	5.54631	5.11956	4.92736	5.96539	4.57559	4.39999	5.12587	6.5886	6.80111	6.50721	5.7148	5.29032	5.4533	5.99607
ACTN2	4.59589	4.63956	4.5892	4.4329	4.50434	4.31281	4.04577	4.51613	4.59589	4.33365	4.31963	4.75966	4.71215	4.45382	3.31287	4.40279
ACTN3	5.76939	5.46805	4.77076	5.42404	5.46569	5.34835	5.43281	5.24358	5.75016	5.16393	5.21117	6.12279	5.74785	5.77414	5.47388	5.05688
ACTN4	8.25798	8.18148	8.04318	7.84487	7.72821	8.49938	8.10994	7.72547	7.64471	8.39162	7.53886	8.17232	7.64701	8.23302	8.12039	7.96148
ACTR10	9.56326	9.64158	9.90936	10.0778	9.98188	9.8453	9.13636	9.53631	9.63286	10.5954	10.2444	9.78666	9.56952	8.67057	9.10606	9.39051
ACTR1A	5.67605	6.10324	5.86166	5.29392	6.65014	6.80131	5.04714	6.9803	7.20233	5.46928	6.99143	6.31515	6.40934	7.49156	7.06652	5.36162
ACTR1B	8.20468	7.93216	8.11642	8.0406	7.61764	7.7461	6.84616	7.46636	7.84645	7.99903	7.79998	8.6144	8.013	8.26381	7.8353	8.09112
ACTR2	5.8182	6.18631	6.48609	6.64978	6.80087	6.45085	6.76847	6.50052	6.62723	5.83128	7.07057	5.81537	6.50241	5.956	6.17762	5.38422
ACTR3	9.13692	9.06728	8.9171	9.12408	9.33233	9.00106	8.65698	8.88035	8.93143	8.65576	9.41655	9.20378	8.77851	8.16792	9.50044	9.49156
ACTR3B	5.1713	4.16718	4.73609	5.16123	5.9209	6.0522	5.81289	4.03299	5.13607	4.88015	4.97683	4.96966	4.45111	5.49545	6.29559	6.60677
ACTR3B1	6.12758	6.76694	6.25719	6.65364	6.06808	6.63967	6.69536	6.94544	6.84527	6.42722	6.5128	6.63119	6.7905	6.50827	6.16222	6.5732
ACTR3C	7.38356	6.73794	5.73502	5.59669	6.10593	4.9039	6.70654	3.71916	5.28311	6.16275	5.55964	5.80814	6.50819	7.47646	6.29133	5.81289
ACTR5	5.30569	5.95144	5.26744	6.43385	6.19217	6.14229	6.2599	5.92045	6.15932	5.45006	6.74635	6.58963	6.31191	6.1024	5.63391	6.15674
ACTR6	6.27927	6.35027	6.89606	7.29882	7.29931	6.71871	7.40895	6.74902	6.23796	5.45483	6.85101	7.07329	6.98418	6.46249	6.27523	6.68677
ACTR8	6.28945	6.49155	5.67071	6.85903	6.65137	6.25249	6.18849	4.80964	5.26618	6.03205	7.13071	6.56684	6.18822	5.85373	6.36178	7.5677
ACTRT2	3.51548	2.53824	2.3147	3.988	4.42161	2.79576	4.83168	2.10233	1.98342	1.96807	2.43603	2.2743	3.10377	1.84505	1.97136	3.08868
ACTRT3	3.59987	3.4933	3.21294	3.30112	6.17554	3.25596	5.7379	5.26099	4.34561	3.53934	3.68444	3.15604	3.26844	4.82245	5.64923	4.31542
ACVR1	8.36678	8.40382	8.97054	8.73312	8.21095	9.03052	8.98978	8.47614	8.48395	8.50717	8.16124	8.05838	8.76383	8.28887	8.93046	8.66768

ACVR1B	5.86835	5.54336	5.61194	5.70136	5.10495	5.61052	6.11433	6.12774	5.24136	5.72395	5.5775	5.31618	5.27487	6.08001	4.96585	5.76449
ACVR1C	3.3733	5.15356	5.48188	5.94445	5.9336	5.50191	7.81498	6.16792	5.42167	5.71324	5.05959	5.42236	5.61119	5.74722	6.36353	5.80545
ACVR2A	6.35794	6.49514	5.7454	6.48116	6.45781	6.37737	7.18439	5.56719	6.29187	6.93914	6.39865	5.53637	6.26246	5.90975	7.08476	6.87019
ACVR2B	4.39454	4.41697	4.98389	4.62221	4.85358	5.37804	5.588	5.07775	4.80084	5.27219	4.7443	4.87712	5.46371	5.56043	5.58714	5.38754
ACVR2B	4.71106	3.75879	2.48448	1.67907	2.81309	2.65434	2.06028	2.8638	3.00175	4.78392	2.41572	4.873	3.38837	2.37224	2.23945	3.03549
ACVRL1	5.08048	5.4585	5.06959	5.22343	5.0545	5.12258	4.76263	6.06726	4.62434	5.3328	5.70847	6.0936	4.92218	4.38374	4.6969	5.6046
ACY1	1.87757	1.7774	2.11428	1.73098	2.73769	1.995	2.23396	1.54991	2.28837	2.19868	2.98436	2.01179	1.63986	1.92414	2.70965	1.98412
ACY3	3.71527	5.22008	4.17313	2.84726	3.30279	3.39802	3.06886	4.33243	4.48323	4.38652	4.4239	3.64053	3.99949	3.19128	4.20875	2.96846
ACYP1	9.08092	7.4801	8.04318	9.79789	8.901	8.08567	9.26078	7.69946	7.58963	7.68134	8.61369	8.09264	8.05562	8.396	7.56925	8.39908
ADA	5.05653	5.85869	6.07171	5.1459	8.19792	8.77063	6.48172	6.80405	7.12611	4.67994	7.28019	8.25902	8.37262	8.22674	6.42054	6.41859
ADAD1	5.17658	5.97749	5.67417	5.9645	5.33224	5.20129	4.60099	6.02339	5.72192	6.07493	5.19152	6.10809	6.08718	5.99882	5.95652	6.14906
ADAD2	7.17552	6.93406	6.4146	7.09434	6.60593	7.22567	7.38684	7.06858	7.19095	6.83889	6.87829	7.93019	7.28961	6.57908	7.17445	7.45674
ADAL	4.97988	4.88397	5.29668	4.99307	4.38754	5.06142	5.17818	4.80389	5.42739	5.4508	5.30178	5.53967	5.60353	4.85113	5.4553	4.82982
ADAM10	5.88899	6.2051	6.93556	5.72153	7.013	5.76092	6.15932	6.85234	6.71275	6.08811	7.0472	6.11433	5.8076	6.09461	6.37868	6.90628
ADAM11	3.08747	3.70785	2.75404	2.70592	2.23712	3.19458	2.44104	2.09215	2.55526	3.28105	2.59594	2.8872	3.18749	3.10053	3.0564	3.43881
ADAM12	5.11924	4.83993	6.09917	5.57982	6.25904	6.26293	4.96785	6.5805	4.83281	6.16214	4.57572	5.52822	5.80803	5.34567	7.24262	5.63228
ADAM15	5.38933	6.08596	5.11832	4.99958	4.89454	4.47585	6.56859	5.71298	4.90904	6.65654	5.31712	5.43984	5.65243	4.90466	4.88639	5.81473
ADAM17	5.92351	5.71685	6.10715	5.93772	6.37294	6.22059	6.05626	5.84395	6.40719	5.44522	6.22437	5.31219	5.68541	5.74024	5.95799	5.90118
ADAM18	4.51664	2.98013	3.88851	3.26593	2.92792	3.21664	3.40102	2.96767	3.706	2.56571	2.87957	4.18777	3.52421	2.73426	2.8356	4.06652
ADAM19	6.56504	6.67737	6.71717	6.92754	6.26164	6.65491	6.05504	6.87019	6.47613	6.80898	6.20911	7.00489	6.25108	6.12073	6.30993	6.48361
ADAM2	5.79227	6.07849	6.27208	5.94126	4.71358	6.13111	6.32074	5.92857	5.21228	5.50973	5.61291	5.75568	5.79273	6.62241	5.77111	6.10737
ADAM20	4.2106	3.71345	4.59703	3.91094	4.00838	2.66959	3.8951	3.70234	4.87118	4.51148	4.87799	4.26663	4.73341	2.85371	3.72049	3.06811
ADAM21	5.86603	6.20232	6.27756	6.78049	6.29614	6.07446	6.21965	6.62898	5.80674	6.29133	5.99359	6.21218	7.21508	6.17824	6.23263	6.27038
ADAM22	3.95338	3.60186	3.95546	3.90189	4.23643	4.04059	4.26025	4.78923	4.33877	3.56531	4.26613	3.98788	3.60594	4.56679	4.41255	4.55465
ADAM23	4.87769	6.53737	6.00511	6.53547	8.97054	8.73887	7.59878	7.43659	7.09339	5.80461	5.35968	7.53993	5.74677	8.19792	7.82492	7.64234
ADAM28	7.06893	6.86383	6.46304	6.27134	6.00566	6.44674	5.54093	5.49607	5.92913	5.35079	5.52122	5.58003	5.31202	6.46228	5.73158	6.38857
ADAM30	3.54421	4.07003	4.14078	4.37922	3.66282	3.78253	4.7822	3.46695	4.27841	3.69203	3.79318	3.57514	4.29854	4.16395	2.90406	4.04442
ADAM32	6.40707	5.87972	6.22214	4.1095	6.36582	4.31657	6.23891	4.65546	6.70136	6.6317	6.33083	5.28666	3.95924	6.37067	6.02588	5.84778
ADAM33	6.15282	4.88123	5.60298	5.17403	5.45233	5.08302	5.89251	5.155	4.9186	5.86631	5.20862	5.42135	4.65478	4.97269	5.95242	5.23955
ADAM3A	4.9939	5.1507	5.89942	6.27672	5.92913	5.7104	6.16746	4.40791	6.1983	6.74311	5.93047	4.74678	6.88118	5.50359	5.70887	5.34309
ADAM5	5.71535	5.75436	5.60685	5.98842	5.69888	5.35416	4.44708	5.62668	4.79228	5.90037	5.15094	5.52221	4.36607	5.9165	5.13767	5.80945
ADAM6	4.27584	5.34433	6.45026	5.89763	4.14888	5.8657	4.43758	5.58831	5.63875	5.50605	5.75058	5.78361	6.41023	5.64899	5.89999	6.35218
ADAM7	2.84726	2.96872	1.46034	3.24928	3.26593	2.73543	2.46272	2.56799	3.51731	2.98217	3.129	2.21242	3.24275	1.90716	2.53653	2.39801
ADAM8	6.27174	5.48699	6.22659	6.09307	6.21719	6.32101	6.42707	6.40548	6.5143	6.846	5.99319	5.3328	5.62971	6.50736	5.72913	6.83297
ADAM9	6.13469	5.25218	5.14958	5.03997	5.93654	5.20903	6.3768	5.06692	4.91529	6.44014	6.40793	4.36763	6.04099	5.87508	6.08682	5.61291

ADAMDI	7.50721	9.07417	9.6193	8.16237	9.64884	9.37769	9.34108	10.5753	10.99	6.52126	9.24332	8.67187	9.84942	8.69776	9.19751	10.1061
ADAMTS	4.28984	5.10451	6.86253	5.42221	5.94701	6.01053	5.70016	6.15108	5.02124	6.0987	6.31363	5.23969	5.90425	6.06544	4.94447	2.96902
ADAMTS	2.7797	4.03082	2.78724	3.79701	3.06557	3.46739	3.95509	3.60965	3.24205	2.89747	2.94894	3.75859	3.3963	3.53767	3.16778	3.12572
ADAMTS	4.36139	5.1459	5.38784	5.15982	5.32756	5.3793	5.0817	5.38659	4.71037	5.10392	4.54221	5.4645	4.62263	5.47909	5.63022	5.38559
ADAMTS	5.9893	5.90179	6.33704	5.13192	5.96035	6.08798	5.56236	5.59123	6.07956	7.21764	5.87618	5.81147	6.05758	6.54955	6.31219	6.26313
ADAMTS	6.75866	7.24474	7.78755	6.6185	6.67777	7.02908	7.12292	7.7952	7.02273	6.86171	7.17913	7.30321	7.5649	7.0468	7.01588	6.7756
ADAMTS	5.07033	3.83749	4.88224	6.14652	4.23119	5.74899	6.13418	4.77269	4.4879	4.30438	4.35735	4.15773	4.11067	3.97873	4.14195	3.83274
ADAMTS	2.04089	2.13825	2.3147	2.22193	2.33881	2.51251	2.53476	2.17246	2.64558	2.42411	2.27492	2.509	2.36805	2.25724	2.41671	2.19188
ADAMTS	5.01553	4.32526	5.09394	4.39999	6.03664	5.15109	5.57862	5.47786	3.62805	6.21818	4.49604	4.37418	4.36458	5.55192	5.37333	5.80924
ADAMTS	5.18133	6.6374	6.97341	6.26018	5.95579	6.94792	6.20265	5.88995	5.65993	6.65734	6.49105	6.2675	6.09691	5.93577	6.44292	5.01027
ADAMTS	2.54861	1.86408	2.73293	3.07493	2.67567	3.2169	3.11441	3.17975	3.4567	2.48854	3.75132	2.39593	2.65173	2.2964	3.42962	4.31871
ADAMTS	3.48161	4.51964	5.30533	4.05776	5.29518	4.35988	3.30112	5.49177	3.52204	4.10559	5.95579	5.24782	4.05318	4.22943	5.89104	5.36786
ADAMTS	3.37396	3.90886	4.15142	3.61218	3.82473	4.02075	4.19514	4.14509	4.07184	3.62944	3.62706	3.73269	3.92057	3.99724	4.86383	4.07507
ADAMTS	4.26669	2.67513	3.0093	3.93679	4.17502	3.37812	2.06028	3.71916	3.46459	2.44811	5.03656	3.4402	2.7137	2.83991	3.51602	1.27255
ADAMTS	5.9649	6.50434	5.71171	5.09328	5.87165	6.60431	5.87081	6.01489	6.23376	6.66328	5.75467	5.86232	6.60817	5.66772	6.41497	5.06428
ADAMTS	4.86073	4.66895	6.09737	4.13729	4.61448	5.21738	4.91497	5.91076	4.57315	5.41534	5.10451	5.20628	5.37873	3.83194	5.17275	4.88092
ADAMTS	5.76009	6.04001	6.20677	6.18888	5.72572	5.83966	5.64993	6.13885	5.91335	6.1213	6.10612	5.95553	5.60069	5.8635	5.36018	5.5016
ADAMTS	4.54391	3.80749	3.88735	3.8537	3.7273	3.9256	3.78328	3.37121	4.06438	3.88508	3.7359	3.46635	4.0497	3.87174	4.03667	3.64145
ADAMTS	5.66008	4.88534	4.74517	3.85394	3.99949	5.18	4.50847	4.31127	5.75787	6.01209	4.78149	4.96072	3.89887	5.07257	4.46104	4.97018
ADAMTS	3.94226	4.4044	4.65754	4.31151	4.46077	4.89293	3.99057	4.54858	3.65709	4.73847	4.6209	3.62706	4.481	4.10334	5.20188	4.56123
ADAMTS	4.14261	3.21037	3.18969	3.63872	3.9222	3.65709	3.5135	4.12698	3.26202	4.38727	3.40102	3.27151	3.52587	3.37673	3.18262	2.93032
ADAMTS	3.92927	4.36479	4.06977	4.75171	4.40218	4.00507	4.20875	3.8446	4.38106	4.35054	3.62729	4.40651	4.07882	4.25938	3.68203	4.07262
ADAMTS	2.40819	1.44837	1.3689	1.16965	1.84689	2.58692	1.43866	0.76448	1.00765	1.43866	1.95222	1.2545	0.47227	1.4403	1.22113	1.42001
ADAMTS	5.8704	5.16681	6.08022	5.77944	5.692	5.02484	5.29437	5.05722	6.02159	5.48699	5.54011	5.86985	5.25748	5.53149	4.69059	5.14439
ADAMTS	6.24242	6.03826	5.97036	6.56713	6.39199	5.73855	6.0522	6.92524	5.67812	5.3962	6.51033	6.84366	6.56032	5.46774	6.12279	6.53205
ADAMTS	5.21864	4.15069	5.52187	3.72039	3.93705	4.33243	3.97251	4.15015	4.06039	5.23982	5.01746	5.98895	5.13109	4.64607	3.81591	4.5359
ADAP1	6.92148	6.27692	5.8832	5.62395	5.31202	6.61504	5.76173	6.50491	6.10612	6.52729	7.01643	6.69937	6.71649	6.93472	5.86875	6.3569
ADAP2	5.69191	6.01309	6.36138	6.68871	6.3419	6.17384	6.02552	7.30409	7.05409	6.17911	7.34016	7.32123	7.30333	5.47252	6.77653	7.29091
ADAR	9.45824	9.50261	10.5857	9.51582	10.4778	10.3792	10.5062	10.8872	11.0674	9.31324	9.91148	9.76458	9.32763	9.92274	10.6351	10.1917
ADARB1	4.96316	5.76786	6.02299	5.57644	5.61919	5.91782	4.90488	5.64301	5.9832	6.25955	5.58126	5.54645	4.98644	5.35546	5.32709	5.19152
ADARB2	5.70599	4.86994	3.41734	4.1368	4.38038	4.75435	4.12088	4.67533	3.56848	5.34983	4.86169	4.97729	4.35575	3.99364	3.76529	5.04032
ADARB2	7.08864	6.93537	7.41351	7.12636	7.02126	7.5199	6.94269	7.43085	7.32104	7.54261	7.35558	7.72159	7.67349	7.81954	7.46816	7.11288
ADAT1	6.50961	6.68221	5.84081	6.25108	6.00658	6.66538	6.77016	6.58211	7.13935	6.64757	6.31611	6.92086	6.39024	7.3188	6.95202	6.97276
ADAT2	5.20662	5.76118	5.8773	5.78073	6.50474	5.90589	6.67366	6.47102	6.71717	6.50434	6.41612	6.10593	6.44083	6.6125	6.04977	6.43593
ADAT3	6.47083	6.75635	6.84836	5.91547	6.73115	6.96845	6.59858	7.13203	6.93883	7.07497	6.52299	7.22326	6.77496	6.50329	6.56571	6.84709

ADCK1	6.98163	7.43168	7.27377	5.77375	7.18387	6.6694	5.68863	8.30111	7.31725	6.95154	7.30374	7.71824	7.68291	7.12112	6.8991	6.93418
ADCK2	6.72393	6.93134	6.31444	6.25576	6.5681	6.34485	6.60293	6.15156	6.5815	6.50119	6.66158	7.27323	6.58382	6.69306	7.06771	7.10887
ADCK3	7.12767	7.10387	5.80706	6.75972	6.64239	5.67516	6.9718	6.85101	5.8678	6.52829	5.57083	6.16685	6.73608	6.70654	5.78381	6.42442
ADCK4	7.26312	6.61013	6.56229	5.88851	6.4043	6.54256	6.79335	6.28624	5.67026	6.40841	6.52048	6.53241	6.71962	6.62571	6.25208	5.96497
ADCK5	5.65893	4.35031	5.8928	4.18478	4.71898	5.89004	5.71572	3.76379	5.31934	5.79464	6.0104	7.07111	4.369	4.60832	5.29656	4.51771
ADCY1	5.64485	5.28039	5.25261	5.26386	4.77367	4.59673	5.82554	5.10586	4.67368	5.03914	5.04401	3.86842	5.24136	4.88247	5.17818	4.84399
ADCY10	5.1064	5.1418	5.34019	3.91364	7.37469	5.50058	6.4165	5.84069	3.82473	4.73894	4.27232	6.18222	6.96393	7.89821	6.22568	3.73419
ADCY10	6.03826	4.60192	5.65765	4.72236	6.09252	5.56005	6.77582	5.25261	5.01322	5.41227	5.08081	4.69793	5.91076	5.16375	4.80946	5.56963
ADCY2	5.90098	6.66328	5.92959	6.51384	5.60476	6.72205	6.25921	5.77019	6.22059	6.04611	5.80721	6.32112	5.70049	6.29087	5.96086	5.46774
ADCY3	6.69244	7.11036	7.21647	7.25032	6.98222	7.26259	7.03457	7.30789	7.01023	6.77952	7.50047	7.63653	7.3304	7.13471	6.73147	7.1565
ADCY4	7.3332	7.35989	7.48643	7.35446	6.7013	7.23199	7.0936	8.07356	6.67595	7.55386	7.30165	7.74695	6.38344	6.68235	6.90183	6.85727
ADCY5	5.39524	4.98419	4.51913	4.7984	5.20516	5.4597	5.4597	5.21236	4.77857	4.99227	5.27219	5.26108	3.7517	4.86491	4.48662	4.91131
ADCY6	7.62715	6.61097	6.58617	6.27029	6.85446	7.01487	7.00694	5.75271	5.29959	7.9074	6.47995	6.95023	5.35044	7.50612	6.53737	6.31477
ADCY7	5.30554	5.84691	5.39933	5.68695	6.16082	5.70687	5.29544	6.11277	5.56771	4.86845	6.44212	5.69638	5.52864	5.04974	5.82616	6.00511
ADCY8	1.84505	1.67217	3.12132	2.12186	1.54197	1.59197	2.1009	2.21132	2.39727	1.78758	1.74872	2.01179	2.90755	2.97219	2.39175	2.22886
ADCY9	5.93876	5.35208	5.89846	6.34934	5.42167	6.03354	5.58637	6.08113	5.56612	5.782	5.79256	5.68843	4.7747	5.25098	5.64828	5.66258
ADCYAF	4.59609	4.99245	6.89314	3.4746	3.97873	5.89353	5.13936	4.4703	4.01168	6.45143	2.6562	4.95585	6.48848	3.41197	3.60965	3.5907
ADCYAF	6.53064	6.29893	6.44533	5.7418	5.74611	6.13065	6.72452	5.63434	6.23761	6.91774	5.57947	6.34562	5.93156	6.4899	5.81147	6.24346
ADD1	6.7359	6.49655	6.40898	6.05663	6.48214	6.86383	6.27435	6.32715	6.85454	6.80069	6.4813	6.8906	7.15053	6.54403	6.39685	6.52472
ADD2	5.15076	5.33652	5.10201	4.99603	5.1459	4.97776	5.16446	5.5837	5.26452	5.6018	6.62977	5.74832	5.65821	5.30945	5.45472	5.29668
ADD3	8.53182	8.18026	8.46182	8.22834	8.02694	7.72984	7.32741	6.47202	7.95813	8.14909	7.65295	7.74644	6.56975	8.53406	8.60042	8.16319
ADD3-AS	4.60513	4.89253	4.81223	4.40463	4.78492	4.80917	5.12034	5.37568	5.08968	4.99931	4.41729	3.90348	4.91594	4.5638	4.90967	4.97329
ADGB	7.69268	5.34684	3.20427	6.21106	3.96564	2.36638	2.5047	2.49961	2.97568	3.2328	3.41787	5.19111	4.6132	2.41572	1.78116	2.67577
ADH1A	6.75392	6.3977	5.85894	7.33649	5.71666	6.69845	7.18109	7.46283	6.36476	6.74657	6.65009	6.83262	6.49114	5.94499	6.85473	6.9514
ADH1B	5.56798	6.0936	5.80245	6.52048	3.78816	6.31444	3.87618	3.79752	4.43114	6.44775	2.23029	5.72608	3.02185	3.37396	3.93732	3.32355
ADH1C	9.27414	9.33697	7.43943	6.81113	6.06808	5.79417	6.48103	5.01734	9.14447	6.11583	4.19874	5.84458	5.14648	6.06026	3.92173	3.82879
ADH4	4.00753	4.17917	4.53792	3.90154	3.25291	4.64211	4.23209	4.89016	3.9791	4.42331	4.56634	4.08875	4.42191	3.89015	4.60263	4.57572
ADH5	8.76316	9.27414	9.41373	9.17299	10.1153	10.0051	8.93549	9.13921	9.08751	9.45067	8.96148	8.42204	9.87044	9.5326	9.48779	9.62422
ADH6	6.33835	4.96661	4.36536	6.06407	3.77469	3.78013	4.10828	4.39454	3.94952	3.97307	3.90488	4.5915	4.6631	4.2857	3.87174	3.81533
ADH7	7.5679	7.94787	7.20402	7.87581	6.93591	6.55239	7.52923	6.48178	7.19775	6.00553	7.08717	6.51441	5.83698	6.62814	6.66244	6.93183
ADHFE1	7.33791	7.36016	7.83406	7.97709	7.1821	7.46409	7.25662	7.20402	7.82597	7.86242	6.81244	7.54421	7.29217	5.95819	7.01068	6.82691
ADI1	8.78314	8.90205	8.78506	8.92195	8.85906	8.50217	9.15028	8.00492	9.12067	9.15499	8.20175	8.65312	8.88182	9.20378	9.30484	9.10997
ADIG	5.93713	6.72244	5.77379	6.22659	5.80097	6.03071	6.02566	6.12507	5.77804	6.01229	5.88338	6.3281	5.80344	5.93937	5.90945	6.1291
ADIPOQ	4.64929	4.96661	2.35871	4.54858	2.81309	4.11531	5.93642	3.08616	4.39872	8.30243	5.80858	2.63249	4.64622	2.57571	1.26858	5.26217
ADIPOR1	8.49849	8.42826	8.35699	7.57667	8.47306	7.0793	7.71233	9.73296	8.10013	8.35699	8.14551	8.10456	8.20175	8.18026	8.66033	8.50501

ADIPOR2	8.29264	8.32337	8.33433	7.76286	9.36926	7.86759	8.37142	8.43956	8.12724	8.0828	8.06823	8.02694	7.9507	8.76971	8.62997	8.07629
ADIRF	7.39879	7.5649	5.12923	6.62442	5.25573	4.49442	6.10352	6.42707	4.27526	7.48498	6.85882	4.57959	3.51845	6.4328	4.16718	4.45493
ADIRF-A	3.4567	5.26572	5.00294	4.9654	4.50197	5.63076	5.13292	4.63015	5.60018	4.79873	5.46764	5.67321	6.4281	5.84738	5.29656	6.06561
ADK	6.91218	8.13492	7.26761	7.66076	8.13794	7.41264	8.91149	8.94345	7.76765	7.5023	8.27429	7.40032	8.91763	8.65511	8.73349	8.16124
ADM	7.22425	7.90928	8.41335	7.67932	8.44931	7.00261	9.17731	8.53799	8.32902	8.24226	9.29585	7.77095	7.96148	9.18052	9.22273	7.39325
ADM2	4.52618	3.35252	3.61284	3.00618	3.53849	2.86136	3.47278	3.96044	3.76729	3.29126	4.28288	3.74466	3.64142	3.99364	3.63405	2.86424
ADM5	2.40819	4.90452	6.27962	3.61465	3.94739	5.11891	5.47555	3.94809	3.42477	3.75611	3.41787	6.16231	4.17756	3.70919	3.66756	6.32107
ADNP	8.84082	8.36016	8.48075	8.40549	9.10108	9.57938	9.44403	8.28122	8.58859	8.72779	8.36651	7.93282	8.93549	9.12925	8.97179	8.7993
ADNP2	6.98885	7.68633	7.42558	7.30355	7.67994	7.53761	7.70533	6.88337	7.37469	7.64499	7.48643	7.18574	7.29564	7.35544	8.0157	7.6481
ADO	7.82748	8.11826	7.98728	8.12631	8.33093	8.38943	8.06888	8.77123	8.99568	8.00595	8.20539	8.20967	9.02178	8.3171	8.34898	8.51258
ADORA1	5.92878	6.0207	6.29187	6.0632	6.04203	6.41511	5.77111	6.46531	6.28229	6.89041	5.6866	7.09703	6.59992	5.2742	6.076	6.77008
ADORA2	3.18969	4.11235	3.06691	3.17093	4.02247	2.75897	3.75913	3.69741	4.38559	3.57987	3.48226	3.97184	3.88735	3.82451	4.73947	3.6454
ADORA2	7.63463	6.95233	6.30382	7.93062	7.2546	6.58386	6.41151	5.50579	7.21428	6.87697	7.50734	7.91303	8.44788	6.50394	7.17584	6.86802
ADORA3	4.23832	4.27381	4.14737	3.77698	4.77857	4.41908	3.9949	4.50609	3.89385	4.42448	6.69348	4.21854	3.93836	4.10591	4.5638	5.26002
ADPGK	5.66737	7.02009	5.80882	5.02539	6.56788	6.08731	5.01322	5.93911	5.5426	5.52089	6.50511	6.42156	6.70274	6.67304	6.92674	6.69878
ADPRH	4.22425	6.05374	5.9052	5.58714	5.96245	5.79778	5.09612	5.08129	6.04935	4.3777	6.56324	5.87645	4.73591	4.9315	5.54991	4.63225
ADPRHL	6.33496	5.85168	6.09904	5.88125	5.36761	5.11271	6.34361	6.29282	6.17788	6.42602	5.3523	6.24458	5.9857	6.58707	6.03432	6.55858
ADPRHL	10.1277	9.60125	9.19001	9.37098	9.02909	8.8088	9.44929	9.75979	8.95046	8.97745	9.65751	10.2628	9.34754	9.71584	9.23884	9.04187
ADPRM	7.02452	7.39156	6.5305	7.55846	7.21428	7.38087	6.87653	7.11527	7.05931	7.1855	7.013	7.46717	7.03639	7.58461	7.06102	7.17933
ADRA1A	4.74631	4.63031	4.89915	3.78772	4.37418	4.70745	4.40463	4.66132	4.08441	4.2803	4.13479	4.28309	4.54431	4.60464	4.40345	5.00917
ADRA1B	0.82494	0.9589	1.13258	1.80217	1.54197	1.4697	0.75071	0.48812	2.13825	2.91059	1.95222	2.13113	0.93298	2.16332	2.11842	1.89302
ADRA1D	4.65312	4.4107	3.92173	3.41704	3.28382	3.80466	4.41415	4.63389	3.51466	3.02067	3.07918	3.45602	4.13219	4.42755	4.1581	4.0195
ADRA2A	7.05458	7.65268	7.06113	8.2915	5.50313	6.60189	4.26699	4.7766	7.46517	6.43506	5.61082	6.77008	5.51437	3.10839	6.04747	3.57557
ADRA2B	5.06786	5.8076	4.44939	6.34698	5.71377	5.19867	6.78871	4.86698	6.26758	4.93233	6.55543	6.53931	6.74395	6.17688	6.13381	6.18553
ADRA2C	6.03648	5.94789	6.69654	7.1047	4.14888	6.03493	5.17761	6.47918	5.90883	6.11917	5.88301	6.01971	5.76092	4.9403	6.19114	6.22003
ADRB1	5.73534	5.68251	5.08913	5.12234	5.67516	4.55018	5.36435	5.69415	5.44954	5.28328	4.97295	4.02856	5.50787	4.60422	5.23211	6.52442
ADRB2	7.4231	8.23922	7.46804	7.65295	7.11065	8.09094	9.25237	7.70384	8.52332	7.28538	7.27807	8.13389	8.13742	7.02532	8.69522	7.04575
ADRB3	3.18543	3.04271	4.18179	2.79087	3.71242	3.79195	3.34284	3.1636	3.8116	3.5199	3.28	3.26011	4.6439	3.44142	2.58623	3.96071
ADRBK1	5.83635	6.66929	6.64551	6.56272	5.66806	5.82812	5.37537	6.27203	6.06179	5.62147	6.87888	6.37294	6.74529	6.0697	5.89327	6.35794
ADRBK2	6.93041	7.70241	6.82404	7.42501	7.84356	7.57827	7.72074	7.8854	7.59211	6.92002	7.0519	6.80131	7.42138	6.97857	7.79704	7.87346
ADRM1	5.03158	6.23778	4.57507	5.85864	6.9109	6.02213	6.60922	6.82416	6.56446	6.32107	6.99449	7.21396	6.51642	7.87515	7.01686	6.18726
ADSL	8.39725	8.64857	8.36242	8.98061	9.24623	9.07205	9.76893	10.0103	9.2421	7.48608	9.55087	9.40267	9.33845	9.43871	9.28374	9.43764
ADSS	5.11553	5.48642	5.9051	6.89788	6.02828	5.51629	5.57884	4.97056	5.22636	5.82822	6.1118	5.85529	5.40071	5.82134	5.9118	6.16058
ADSSL1	7.32228	6.80802	6.61541	6.97016	6.46864	6.28381	5.07511	6.15085	6.53487	6.75154	6.01577	6.50241	6.76495	6.66656	5.91431	5.93839
ADTRP	5.37627	5.61277	6.15721	6.40233	7.29756	6.61541	8.11781	6.64708	6.67366	4.98499	6.10475	6.84787	7.63362	6.99972	7.49498	7.07077

AEBP1	7.31491	7.64409	8.65471	7.86265	8.43314	8.38319	8.12286	7.57724	8.30954	8.03646	8.07874	8.3822	7.20458	8.25041	8.46227	8.37378
AEBP2	6.76622	6.4838	6.49089	5.89602	7.78582	5.57026	7.18064	6.58818	5.8529	6.45894	7.0227	5.02104	7.33347	7.35385	8.08808	7.16525
AEN	6.53843	7.01461	7.40259	7.38342	7.93452	7.46804	8.25183	7.64368	7.73837	7.25259	8.16838	8.44675	7.5342	8.16578	8.24077	8.6144
AES	7.09007	7.15366	7.28288	7.322	7.34287	6.71513	6.48329	7.71733	6.35428	6.92511	6.57067	7.11075	7.5276	7.28084	6.55209	7.0935
AF00154	7.16305	6.26204	6.12102	6.60677	6.97222	7.59394	6.65014	7.36545	5.34823	4.99475	2.63321	5.50032	3.16183	6.99559	7.44855	5.38669
AF00714	6.77644	5.17869	7.26807	6.95066	5.27234	6.35895	6.67107	6.95695	6.9788	6.99057	6.8613	6.75243	6.45075	6.81379	7.03779	5.10495
AF06784	3.53756	3.72982	4.38727	3.00618	3.89996	3.93664	3.08298	3.66599	3.65431	2.85867	4.24944	3.405	3.42036	5.05858	3.53974	4.43638
AF07058	4.87875	4.69665	6.82178	5.77492	6.13632	7.16929	6.70511	6.83535	6.32349	6.62549	6.395	5.70963	4.16438	6.60271	6.34052	5.40016
AF08618	6.37105	7.00926	5.75095	6.41555	4.23397	6.34934	6.17352	5.69927	6.18119	7.15042	5.73862	5.72192	6.55613	6.23869	6.53737	6.54152
AF09093	3.73406	3.6843	3.83335	4.43678	5.66138	5.595	6.03446	4.17171	3.78033	5.68265	4.36479	5.8691	4.29511	4.47605	6.05696	3.82879
AF13121	3.31017	3.71031	5.50341	3.72039	2.39414	2.83735	6.64619	2.64349	2.39727	3.86818	2.50161	3.26763	1.7762	4.06652	2.14289	3.0606
AF13121	5.74926	7.65979	6.13526	6.45822	6.98246	6.0054	7.54516	6.8402	5.96981	6.64757	5.23391	6.35769	7.00618	6.08763	5.80178	6.78049
AF18619	4.71106	5.95042	4.54463	3.72039	6.29645	4.26501	5.19203	4.59647	4.10622	5.28694	3.45096	4.44009	5.42917	4.78265	3.80377	5.2021
AF19844	2.96659	2.41683	0.93298	0.47227	0.47862	1.09519	1.80024	1.99703	3.33041	2.75002	1.82109	-0.133	1.73296	0.62135	0.11027	1.27255
AF21388	7.0262	6.94411	6.97236	6.92086	6.37053	6.65283	6.74566	7.16613	6.19282	6.69152	6.9789	7.55712	7.15471	7.28003	7.06472	7.05849
AF27978	6.85291	6.17098	6.00079	6.7168	6.16481	6.60536	7.03971	7.24729	6.34393	6.10171	5.76188	6.40577	7.0676	5.97064	6.4751	6.79431
AF28955	6.07854	4.50537	6.40117	5.66075	4.62927	4.38727	4.37306	6.21022	5.72745	7.04375	5.5114	5.45382	4.91397	5.66451	6.31858	5.60592
AF52079	6.33967	6.42338	6.50447	5.99465	5.71126	6.81839	8.13721	5.92197	5.47909	6.87431	4.26259	5.63055	5.05022	7.04312	7.5216	7.01358
AFAP1	5.77804	6.99526	5.58936	5.85135	8.12039	7.60416	7.44059	5.99145	6.18119	7.31625	5.5763	5.38286	5.87016	7.72786	7.62715	7.6668
AFAP1-A	4.00169	4.56051	4.21672	4.166	4.75073	4.25015	6.02979	7.2582	4.53375	4.32344	3.79195	4.29522	5.70189	6.15329	6.25347	5.77997
AFAP1L1	5.65506	5.22673	6.05999	5.28291	5.56504	5.44733	6.73855	6.30248	5.14061	4.84921	6.55469	6.20362	5.22241	5.63605	5.46878	5.65385
AFAP1L2	6.18875	5.9848	5.38936	6.31876	6.43883	6.68235	7.14499	7.78177	5.8292	6.4665	7.07946	6.15904	6.01577	6.47903	6.60444	6.08039
AFF1	6.63624	5.95527	6.29473	7.03173	6.40021	6.83992	7.06749	6.25249	6.67121	6.92419	6.8266	6.64819	6.82609	7.27323	6.81741	6.42667
AFF2	5.14737	5.83304	4.77643	5.11309	4.92218	5.26311	5.14791	5.01	4.77905	4.87368	4.99733	5.12719	5.55517	4.80583	5.70136	5.155
AFF3	4.79002	4.53756	4.84921	4.67416	4.69036	4.63956	4.50899	4.39682	4.19358	3.79013	4.48458	4.79376	4.58884	4.48961	4.46232	4.59043
AFF4	5.42053	5.47087	5.55737	5.69888	5.31618	5.73085	5.76416	6.21331	5.5809	6.17623	5.72647	5.26311	5.74655	5.90425	5.11031	5.46637
AFG3L1P	4.91796	4.42658	5.04924	4.80793	4.56991	5.74512	4.84181	5.59206	4.94042	4.36192	5.49973	5.24763	5.39252	5.20401	4.75654	5.29621
AFG3L2	8.77851	8.58691	8.60718	8.47942	8.93625	8.90341	9.36543	9.04187	8.89283	8.40127	8.57847	8.60332	8.57292	9.30766	9.06823	8.68454
AFM	2.44059	3.3786	1.13258	1.96731	2.47594	1.00765	1.98828	2.61382	2.25875	2.47565	1.41342	2.01179	1.4697	4.45641	1.94998	2.04035
AFMID	2.23882	2.97605	2.98152	4.94944	3.10976	3.76182	3.25433	2.61382	3.72995	2.63576	4.55446	3.32466	3.12086	2.74868	2.56931	3.7297
AFP	5.06786	5.38965	5.42908	6.11947	4.46197	4.79243	6.05296	6.14174	3.85447	4.56572	5.36397	2.20167	6.23514	5.46025	4.75761	4.67059
AFTPH	9.36239	9.01248	9.57128	9.41655	9.31971	9.66727	9.64364	9.51582	9.60364	9.46237	8.898	8.94549	8.87038	9.33845	9.40713	9.23508
AGA	6.04259	7.47138	7.8754	7.67515	7.13124	6.99046	5.44924	6.72646	7.9074	7.84604	7.14589	7.24674	6.31444	6.22736	6.83262	6.01633
AGAP1	6.43173	6.52589	6.44775	6.78271	6.79393	7.08411	6.32595	5.09271	6.08983	6.86735	6.05873	5.77673	6.72166	5.58265	6.65137	6.61079
AGAP11	2.95859	2.27492	2.09472	2.60771	2.86327	2.26662	3.0707	1.70381	2.93032	3.28265	2.23314	2.21353	4.21976	1.9914	2.08688	3.25492

AGAP2	5.20552	6.25222	5.82241	5.20188	5.03644	5.08327	6.00101	5.12561	5.42686	5.53386	4.22701	5.53424	5.1647	4.46555	4.1225	4.74575
AGAP2-A	3.57397	3.82382	5.59525	4.57486	5.57221	3.15165	4.21561	4.70767	3.69577	5.68695	4.25636	6.12624	5.72094	6.01167	4.89817	5.43723
AGAP3	6.62321	6.24509	5.90647	6.20158	6.07925	6.21609	6.89281	6.38596	6.21299	6.60626	6.04611	6.43593	6.46712	6.55414	6.45758	6.65491
AGAP4	6.31081	2.72769	6.60817	5.88704	4.59036	6.10997	6.1573	3.85505	6.36476	6.57312	5.3232	5.01256	6.66715	5.00585	4.80045	4.98419
AGAP6	3.8042	3.67981	4.05064	3.43133	3.72436	4.09292	4.37922	5.10172	4.60099	4.16718	3.55559	3.53715	3.58062	3.77609	4.29087	3.06886
AGAP9	2.50129	2.89801	3.40986	2.52969	3.29261	2.69944	4.43758	2.43067	3.6241	2.69205	2.95531	3.14285	3.07124	2.93125	2.86345	2.67577
AGBL1	3.28382	4.5803	5.14196	5.97245	3.71929	5.94244	3.99724	6.29451	4.99264	5.59567	5.24464	4.51613	6.18882	3.50494	6.0877	3.28662
AGBL2	9.94429	8.08164	7.07369	8.22559	7.02408	7.04863	6.88475	7.42558	7.05484	6.16561	5.94393	7.10312	6.44381	6.90832	6.99709	6.70583
AGBL3	4.02495	3.76082	4.29429	4.51707	5.05847	4.88716	4.86331	3.90824	3.39606	4.09222	3.47324	3.50233	4.06738	4.00768	4.4943	5.0631
AGBL4	4.86678	4.11944	4.42829	4.53994	3.8116	4.67009	4.45583	4.60294	3.88236	3.10068	3.75383	2.61517	3.39699	3.15956	4.07129	4.9748
AGBL5	5.9871	5.8392	5.37759	5.62901	5.50474	6.32323	5.61277	5.39815	5.78337	6.32223	5.89265	5.68541	6.07557	6.07413	6.2778	6.17633
AGER	3.95264	3.30894	4.16665	4.05064	3.75654	3.70463	3.79888	3.61284	4.79823	4.43516	3.71758	3.48604	3.64695	3.18749	3.72162	4.12326
AGFG1	5.44574	5.42546	5.85581	5.98826	6.06525	5.40326	6.13804	5.94238	5.62225	5.89565	5.69472	5.47619	6.02445	5.95408	6.4977	6.56098
AGFG2	4.2792	3.92927	3.78328	4.06738	4.27051	3.77106	4.25526	4.4227	3.99645	4.74803	4.22052	3.94748	3.98175	3.87225	4.64822	4.51886
AGGF1	6.15307	6.24612	6.93864	6.33653	6.32531	6.19467	6.99169	6.99931	6.47888	6.86253	6.43406	6.60392	7.43547	6.02949	6.05165	6.36493
AGK	6.08074	6.17788	5.28039	5.82161	6.99189	5.42209	6.03071	6.30585	6.01053	5.73335	6.7396	5.66331	6.47587	6.45489	6.69244	6.85524
AGL	8.93763	8.97528	9.9764	8.42037	10.4883	9.50261	9.12067	9.14235	9.49156	9.94645	8.8333	9.09212	9.19307	8.4703	9.30247	9.16131
AGMAT	6.08022	6.55569	6.02828	6.32017	5.68251	5.7512	5.26002	5.75038	6.55905	6.55085	5.84375	6.24286	6.14022	6.38034	6.05846	7.15117
AGO1	5.51387	5.92825	6.09492	6.00079	6.36534	6.07655	6.65074	6.51878	6.27377	6.16926	6.11865	6.45319	5.98373	5.93381	6.44252	5.79697
AGO2	4.72201	3.54594	5.84244	3.17801	4.07562	4.25611	4.05033	4.81522	4.42376	4.91332	5.56396	3.19844	4.01206	5.65251	3.81591	4.08624
AGO3	6.0632	5.83738	7.09549	6.46724	6.94742	6.66476	7.29183	6.35027	6.87481	7.09252	6.51314	6.37325	6.81012	6.81741	6.86383	6.57468
AGO4	5.17437	6.06123	5.65461	5.03802	6.23199	4.79626	5.50719	5.13607	5.33489	4.71298	5.45881	6.04465	5.2071	4.78042	5.59041	4.94868
AGPAT1	7.4234	7.23978	6.91249	7.04899	6.88783	7.3695	7.11246	7.00374	7.35953	7.29993	6.99272	7.23281	7.58648	7.51854	7.38369	7.29882
AGPAT2	7.50417	7.29217	7.3959	7.26021	6.98066	7.09849	6.56458	7.34612	7.2954	7.49457	7.21344	7.54948	7.62972	7.46892	6.87735	7.28322
AGPAT3	6.58244	6.4977	6.37377	6.28743	6.53433	6.51161	7.03353	5.98373	6.38216	6.59622	6.67421	6.0743	6.19217	6.6827	6.87765	6.50447
AGPAT4	5.87283	4.75137	4.90526	4.49326	4.28409	4.77355	4.54258	5.03667	4.98359	6.5465	6.4969	4.92218	3.56706	3.62944	4.92969	6.28
AGPAT4-	5.7457	4.49731	3.9258	5.56651	5.80959	5.54219	5.13757	3.17146	6.14545	5.72202	5.30969	4.24374	6.35743	5.78062	5.65893	6.44633
AGPAT5	6.50148	7.18817	7.67591	7.12889	8.05612	7.30433	7.25315	6.81431	6.69244	7.16495	7.28473	7.64614	7.60658	8.27821	7.29756	8.15803
AGPAT6	6.96768	6.87129	6.65137	6.51571	6.8113	6.81029	7.0099	5.46805	6.76847	7.21316	6.62536	6.99781	6.751	7.22538	6.30457	6.78753
AGPAT9	6.81286	5.98051	6.92836	6.54841	4.56691	5.31609	5.70528	6.08384	5.44119	6.40916	6.16536	5.74934	2.04398	5.31833	6.59252	6.49221
AGPS	6.11045	6.43268	6.95611	6.7229	7.07841	6.22849	5.82306	6.42499	7.29564	7.22049	7.82536	5.33954	6.77096	7.0461	7.30666	7.1342
AGR2	10.8107	9.71214	9.16963	9.28207	8.49612	6.97383	6.85438	7.9785	9.61651	11.297	7.58033	7.69867	6.65971	7.88701	5.95929	6.76219
AGR3	10.7062	8.03741	6.26672	10.3441	6.56458	6.34538	4.91176	5.57186	7.29055	7.77756	1.15042	6.14938	2.6465	3.94866	4.81782	2.73131
AGRN	5.52883	4.88056	5.26864	5.5234	4.97617	4.43729	5.43505	4.45382	5.31668	5.08353	4.94005	4.62397	5.44775	5.15451	4.66635	5.23301
AGRP	3.20944	5.99803	3.34445	3.15929	1.80599	3.83233	3.25433	3.55509	3.72995	5.42929	2.18694	3.03309	3.07124	2.51368	2.89621	2.36473

AGT	6.4651	6.38317	9.51816	5.54505	6.53612	6.63204	6.32268	6.24793	6.1599	7.87748	6.28577	7.37737	6.38344	6.71904	6.49942	6.88841
AGTPBP	6.07982	6.40922	6.45868	6.1691	7.38851	7.1553	6.19295	6.99839	6.25548	5.87534	6.98952	6.3929	6.36727	6.07473	7.38342	7.68663
AGTR1	5.13789	5.45154	5.7276	5.34141	5.45118	5.54336	5.08387	5.81725	4.74959	5.80388	5.22506	5.68726	5.92068	4.99814	5.79284	5.4792
AGTR2	2.69522	2.62644	3.88575	4.08778	4.14331	4.51562	3.60751	3.26154	3.53187	3.83303	3.82141	3.88705	3.51239	2.85264	3.0257	2.75729
AGTRAP	7.04587	6.87697	6.86908	6.75444	6.36658	6.72335	7.10181	6.47083	6.77986	6.62877	6.9514	6.78095	7.02701	6.94813	6.92196	6.70524
AGXT	2.99615	2.87369	2.9516	2.79078	2.93032	2.43603	2.89593	3.33619	2.63439	3.33257	2.46771	2.03262	2.32747	2.83429	2.68598	2.81949
AGXT2	4.8012	4.14078	4.10455	4.09864	4.13167	3.66504	2.81469	4.03022	4.17624	4.33627	5.92068	4.09275	4.4107	4.63956	5.73281	4.79111
AHCTF1	7.54819	7.40094	7.61565	7.46368	8.41335	7.58033	8.21644	7.70647	7.96246	7.35785	7.60227	7.39312	7.98529	7.01816	8.24872	8.41433
AHCY	8.51229	8.17146	6.85903	7.72159	9.09062	8.49162	9.36057	8.35376	8.46151	8.6757	8.88559	8.53555	9.59677	10.032	9.19651	9.53523
AHCYL1	7.20816	6.71337	6.61839	6.54284	7.08315	5.94351	6.56625	5.69118	6.95023	6.9803	7.02928	6.75392	6.90821	7.57624	7.09188	6.17117
AHCYL2	7.47423	8.06678	8.04669	7.86174	8.42344	7.54861	7.8922	8.28199	8.0941	8.08567	7.10387	7.45674	7.64388	7.66602	7.9074	7.80293
AHDC1	4.82868	3.40883	4.64753	3.27538	3.31489	4.43979	3.95264	3.94495	3.2169	3.60129	3.79373	3.69964	4.52416	4.2689	3.77762	3.73212
AHI1	6.1861	6.07116	5.98151	5.20742	5.95553	5.42482	6.50922	5.78319	5.50032	5.75903	5.76403	5.68517	4.95828	5.74303	5.91721	5.74052
AHNAK	5.27088	5.32208	4.97169	5.08461	4.71717	5.36831	5.25191	4.6954	4.76263	4.95724	5.52307	6.00991	4.96449	5.12426	4.42331	4.42419
AHNAK2	7.41994	5.62247	5.85594	6.00778	6.07349	5.89565	6.14347	6.12357	6.29873	5.55428	6.69578	4.78257	5.31858	5.63879	5.6823	5.06762
AHR	8.13418	7.63682	8.67112	8.42251	7.57827	9.20282	7.70293	7.1297	7.72665	7.0963	7.52708	7.58986	8.14909	7.64224	8.04588	7.03954
AHRR	6.8514	6.55067	6.99123	6.12151	7.07159	5.68938	6.9609	7.40722	6.06074	6.67304	6.98458	7.63966	5.05646	6.77183	7.2551	6.33034
AHSA1	10.3013	9.89394	9.7059	10.6075	8.76878	9.5431	8.93342	9.2421	9.4367	8.65974	9.50744	10.0029	9.44403	9.87044	8.56452	9.16397
AHSA2	7.63603	7.30569	7.51829	7.01562	7.44071	7.96702	7.56746	7.31427	7.50665	7.58194	6.83419	7.22828	6.87241	6.79971	7.04642	7.14616
AHSG	3.91498	5.32521	4.38162	3.35726	3.93072	3.34265	3.00101	3.54284	3.41453	3.38994	3.32355	3.82945	3.8488	4.81438	3.53699	3.7273
AHSP	3.32431	3.65681	4.50625	4.74829	5.0499	4.82194	5.72875	5.98293	5.0773	3.94629	5.23713	4.94936	3.32016	3.73088	5.43322	4.98009
AICDA	5.56719	6.46531	5.89817	6.26381	5.22818	4.97018	3.02185	5.9717	6.50329	4.12652	3.1416	6.06992	3.69374	3.9262	6.09071	3.65093
AIDA	8.03137	8.54777	8.53486	8.10013	9.08658	8.37443	7.70966	8.05925	8.69948	9.0707	8.55042	8.09739	8.86712	8.51477	8.84082	8.69948
AIF1	4.63727	6.98862	7.16225	7.28046	6.76392	7.42093	5.66954	7.63154	7.5397	4.78664	7.57459	6.38016	7.82261	6.25751	7.05684	6.56076
AIF1L	6.13121	5.93291	5.84328	5.87645	6.19499	5.7566	5.87321	5.10247	6.40133	7.2112	5.66879	5.85251	6.30147	6.68077	5.47541	5.3528
AIFM1	7.45526	7.1578	7.34016	7.20013	7.33998	7.92682	6.39759	7.26312	7.60537	7.34065	8.08445	6.79897	5.97368	7.55574	7.52708	6.92291
AIFM2	5.75038	6.29302	5.8846	5.32479	5.48621	5.63906	6.19634	7.3706	6.56504	6.20463	6.70274	6.29386	5.98072	7.13673	5.43821	5.81064
AIFM3	2.34348	2.44316	2.04684	2.06899	1.93871	2.15563	2.23396	2.17246	2.28837	2.72148	2.30098	3.14285	2.07729	2.05268	1.97136	2.07548
AIG1	6.64741	6.01372	6.32595	6.09737	6.37737	6.92854	6.63002	5.28241	5.07126	6.57921	6.32556	6.13689	5.86149	6.66307	6.46361	6.545
AIM1	8.79141	9.14095	9.0488	8.8893	10.2628	9.85557	10.0756	9.73065	10.2257	9.14959	9.56952	9.50956	9.12606	10.1456	9.85721	8.71319
AIM1L	6.6849	6.84273	6.00522	6.60467	6.55067	6.13739	7.46213	6.44083	6.71757	5.86584	7.13648	6.41685	6.36107	7.0099	6.54303	7.1549
AIM2	7.44587	8.85906	9.21594	8.76316	7.81701	7.94201	8.01647	8.84184	8.83871	6.02979	9.0488	8.41433	7.66326	5.83348	7.87426	7.78272
AIMP1	8.38627	8.34166	8.40497	8.40588	8.45826	8.4383	8.44434	8.59699	7.9697	8.26942	8.30299	7.90137	8.22559	8.63717	8.51429	8.54398
AIMP2	8.32756	8.434	8.2586	8.44895	8.73274	8.56452	9.01679	9.27414	8.56923	8.50784	8.57946	8.47157	8.74665	9.00781	8.7622	8.92258
AIP	6.77193	7.19814	6.63642	7.10605	6.92944	7.73373	5.97056	7.29519	7.45674	7.12352	7.57158	8.54398	7.35989	7.90882	6.42338	6.80664

AIPL1	3.78071	4.89293	4.31762	4.71618	4.01542	3.26593	4.14568	4.22194	4.67641	4.92249	4.29394	4.40686	4.44979	4.82805	4.30752	4.34089
AIRE	5.83426	5.57693	4.9367	5.72522	4.71358	4.72201	4.16867	5.63833	4.79002	4.89182	3.69464	5.01851	4.76655	5.38464	3.52918	3.89582
AJAP1	3.03585	2.95492	2.87068	4.03607	3.25579	3.38255	3.6241	3.03585	3.29908	3.21037	4.00145	3.40023	2.99399	2.71299	3.58537	3.01001
AJUBA	6.9705	6.01966	6.68722	5.78871	6.58481	5.79263	6.63278	6.63771	6.33947	6.32482	6.80762	6.96411	7.34582	6.3351	6.38327	6.57067
AK00079	5.93081	5.74435	5.80344	4.71279	4.7864	5.91451	6.54188	6.22568	5.36067	6.02598	4.09367	4.57959	5.69421	5.75672	5.5579	6.86364
AK02153	6.90068	7.40676	7.43749	7.53845	6.17087	6.73608	6.71622	7.54204	5.63875	7.22574	6.90602	6.34505	5.89672	6.24025	6.96898	7.33842
AK02180	6.94742	7.02091	8.43605	7.33842	5.83196	7.79266	5.46145	5.70157	6.51508	7.91964	7.19274	5.67417	4.52489	6.94792	6.20495	4.95657
AK02193	5.1339	5.94857	5.62971	5.90037	5.87645	5.5046	5.93403	5.21738	3.82382	5.7837	5.48503	5.5545	6.16058	5.68816	5.77073	6.0002
AK02197	4.9553	4.1094	7.01469	3.85758	5.47507	6.70923	5.68623	6.57849	6.33445	6.95938	6.18083	5.93911	6.43689	5.77414	6.11665	3.58879
AK02493	5.22866	5.75554	5.66511	3.30112	5.36727	5.0631	6.21417	3.98218	5.92492	6.08074	5.61759	6.15572	6.59663	5.97749	5.76173	5.08387
AK02528	8.00492	7.41405	8.5825	7.22711	7.32963	8.56997	8.8284	8.61552	7.82427	8.3212	7.54861	6.63119	7.65285	8.04543	8.11826	8.18994
AK02690	6.59066	6.03446	6.25236	6.58254	6.16047	6.02057	6.41838	5.26099	5.83403	3.8925	4.07031	6.26577	6.28889	6.71599	5.68367	3.62725
AK05498	3.02599	2.86158	2.82464	2.31308	1.73976	3.03288	2.90726	4.08791	4.50459	4.09007	4.82671	4.24374	4.79774	2.65463	4.10265	1.37509
AK05545	4.63911	5.4942	5.26424	4.77186	5.25333	4.54368	4.67276	5.85707	5.13733	4.42897	5.41144	5.35722	4.9277	5.43984	4.97435	4.42592
AK05598	7.72074	7.00506	7.35004	6.61479	6.68711	6.65595	7.38512	7.50429	7.21428	7.3118	6.00788	6.90596	7.45153	7.60208	6.82339	7.33712
AK05609	3.35226	3.33539	3.73945	3.35104	5.39382	3.37812	2.63794	5.23337	2.58986	3.2328	2.73426	2.81338	3.25147	2.62575	5.6169	2.94176
AK05698	6.86019	7.88884	6.71848	6.81306	6.64991	7.54616	6.95294	7.40248	7.00374	6.84701	7.53709	7.30391	7.28961	6.845	6.94306	6.31288
AK07447	5.64209	4.55949	5.06976	5.78611	5.30315	6.33858	6.0088	5.43256	4.5743	4.89403	4.3801	5.27575	4.6811	5.39962	5.32026	5.80045
AK09084	7.86385	7.92974	7.64677	7.97364	7.56811	8.30348	8.70495	8.28037	7.5429	8.2603	7.85385	8.11678	8.09982	8.09678	7.62288	7.58615
AK09172	2.61145	3.04911	2.81121	3.17801	2.36593	4.86372	4.18377	4.77096	2.88086	2.42411	4.9748	5.07091	3.72312	2.72254	4.51056	2.84751
AK09320	4.01542	3.73633	4.18318	3.36509	3.92468	4.69896	5.45694	4.28869	3.56191	4.89718	3.49001	4.96847	5.24887	3.27018	4.63503	3.76474
AK09464	3.50034	3.51602	5.16594	5.34859	4.64244	3.68688	4.60294	5.59425	5.25322	4.5797	4.90886	4.39036	2.81611	5.11666	4.6631	4.68891
AK09615	3.47335	1.54402	3.97055	2.61385	6.48536	4.08037	2.5047	3.3596	1.63986	2.69205	3.97251	3.78165	2.39587	3.6144	3.15051	1.54854
AK09737	5.95608	4.27565	3.26549	3.72039	4.21316	4.26501	3.95924	4.40791	2.83517	5.03724	4.3923	4.98318	4.29511	3.86642	5.66921	4.49636
AK09745	6.27322	7.09327	6.10334	6.50736	5.99062	5.88861	6.41151	6.45211	6.28785	7.10387	6.58787	6.45737	5.71666	6.04515	6.49826	6.18379
AK09826	4.26669	3.82382	3.0591	2.83422	4.95776	2.72526	2.27576	3.96044	1.53958	4.10188	1.82109	3.80634	1.53958	4.02061	1.4899	3.63765
AK1	6.86122	6.69561	5.82855	7.88653	5.99003	6.36353	6.24994	5.18671	6.65763	6.20252	6.20812	6.28914	6.87216	5.29401	5.68579	4.66213
AK13048	7.05207	6.82297	6.08093	6.06808	6.77539	6.61943	5.88677	6.38582	6.45737	6.26213	6.02445	6.00736	6.25282	6.36788	5.54973	6.25405
AK13102	6.00821	6.18578	6.69878	6.0554	5.58598	5.87276	6.31876	6.14982	6.37833	6.45815	5.80469	5.58627	5.62541	6.25888	6.14947	6.19705
AK2	6.39924	6.47803	6.47803	6.3998	6.52623	6.02272	7.2013	6.54354	6.38241	6.05003	7.02199	6.60946	7.26915	7.42469	6.77539	6.77496
AK3	8.69689	8.70529	9.08964	8.30473	8.64803	8.2533	8.88693	8.7381	8.07874	8.91995	8.43072	8.78506	8.70602	8.51853	8.97528	10.2527
AK5	5.07619	5.15859	5.08461	4.18038	4.72939	3.70332	5.15216	4.8435	4.89182	4.36849	5.66158	3.26011	4.94021	5.26645	6.11917	4.75855
AK6	7.62972	8.07849	8.82316	8.84227	7.87596	8.91327	8.60718	8.80081	8.4172	7.77354	8.80719	8.35614	8.91549	8.28436	7.85803	7.9954
AK7	5.8916	4.79043	4.53092	5.79509	5.12636	4.74889	4.80084	4.66635	5.38244	4.22676	5.22275	5.12258	5.08025	4.99603	3.8954	4.17266
AK8	7.41841	7.06274	6.26381	7.61598	7.36164	6.76495	7.47423	7.23414	6.43709	6.86104	5.37837	6.69641	6.98315	7.57158	6.94927	6.90659

AK9	6.64006	5.24358	4.85971	6.19751	4.27501	4.31354	3.5809	4.58244	4.64068	3.96234	3.763	4.82671	3.95471	3.52398	4.98618	4.60892
AKAP1	6.33653	6.72263	6.54977	6.44633	6.48913	6.84536	6.69265	6.45489	6.18996	6.08478	6.27451	6.17866	5.68446	6.52602	6.61924	6.88319
AKAP10	4.81256	4.19766	3.88616	4.17188	4.53029	4.72787	3.78483	3.8488	3.70377	4.41679	4.481	4.26088	4.06531	4.78714	4.26639	3.59087
AKAP11	7.1503	7.45743	7.38851	7.50769	7.46174	7.21066	7.04642	6.11665	6.51169	7.45647	7.05818	6.98593	6.66684	7.34936	7.07057	7.31528
AKAP12	5.33781	3.95546	6.08163	5.73546	5.62032	6.076	5.18263	4.98706	5.58973	5.81223	5.50296	5.41934	4.05411	4.76339	4.21402	4.41538
AKAP13	6.44808	6.16183	6.52034	6.31064	5.21961	6.14478	6.39352	5.62362	6.9069	6.1481	6.58198	6.15282	5.25678	5.46739	5.87779	5.4309
AKAP14	7.54102	6.92778	3.86658	7.10241	4.88621	4.35917	2.87957	4.4821	4.82646	2.87252	3.50784	3.6751	3.81533	4.15684	3.97051	4.71459
AKAP17A	4.81051	5.04479	5.73937	5.36001	5.76889	5.56557	5.30191	5.78012	5.47715	5.26908	5.45261	6.37128	6.18701	5.65565	5.09913	4.40218
AKAP3	4.15633	3.4933	3.98497	3.3738	3.84331	3.98206	3.92606	3.50531	3.71298	3.80685	3.63292	4.84861	3.85528	3.21424	3.32134	3.83921
AKAP4	4.00401	6.03198	6.39586	5.85352	5.72137	6.60087	5.89465	6.45211	5.79752	6.39317	6.30615	6.76142	4.95044	6.70182	5.96182	4.12557
AKAP5	3.34753	4.33558	3.731	3.76677	4.13025	4.55504	4.38754	5.27249	3.73667	3.30279	5.17583	3.87736	3.30714	3.74908	5.33796	4.25437
AKAP6	4.26368	5.27065	4.94892	4.19396	4.67009	4.69958	4.96044	4.60821	4.38776	4.93512	4.16395	4.68542	5.34065	4.40775	4.16421	4.6025
AKAP7	7.07893	6.75056	6.71459	6.75115	5.85412	6.90197	7.1334	6.78245	6.21609	6.40384	6.41451	4.65451	7.02888	7.11823	6.55405	6.02908
AKAP8	7.77111	7.83845	7.76686	7.60563	8.18148	8.16934	7.99187	8.22559	8.22559	8.01606	7.86423	8.08164	7.34542	7.34967	7.92161	7.93391
AKAP8L	4.74602	4.33877	4.87334	4.35054	4.81223	5.0159	4.59074	5.01414	5.26563	5.00639	4.85808	5.1836	4.67128	4.63759	4.74876	4.86513
AKAP9	5.86631	6.37657	7.01061	5.22765	6.7821	7.04923	5.92336	5.92461	6.69265	6.94695	6.34485	5.68906	5.57186	6.07023	7.15377	6.46578
AKIP1	6.56002	6.84318	7.25642	7.21537	7.75274	8.20643	7.90171	8.16058	8.15161	6.64896	7.322	7.94735	7.67064	7.78548	7.69659	7.73397
AKIRIN1	4.81597	4.77406	4.37665	6.12252	5.9431	5.53799	4.72736	4.9792	4.08258	4.85334	6.56847	6.74803	6.951	6.08022	5.35918	5.72995
AKIRIN2	3.79065	5.03697	4.5782	3.46252	6.20252	4.70767	6.29282	4.98744	5.97965	4.85269	5.60149	4.11388	5.31219	4.92944	5.49578	5.80853
AKNA	5.65306	5.97388	6.13042	6.11097	5.54831	5.36401	5.03535	6.09555	5.11655	5.07878	5.49265	6.18701	5.74628	5.49937	4.81497	5.77414
AKNAD1	4.61122	5.29174	5.32026	5.54686	5.33489	4.52793	4.91034	4.94543	4.78908	5.56217	4.84732	5.09372	5.56005	5.27686	4.94752	5.12987
AKR1A1	10.6686	10.7996	10.5573	10.167	10.3679	10.2527	9.66375	10.4094	10.8912	10.9309	10.3441	10.8912	10.2227	10.5573	9.89037	9.68026
AKR1B1	7.75205	8.58199	8.51656	8.60368	8.63198	8.70926	7.8819	8.93303	8.70149	8.22515	9.43005	9.45518	9.07205	9.10246	8.69194	8.9255
AKR1B10	6.82452	7.78616	7.37115	6.52511	7.66346	6.8266	9.27986	6.60003	6.61445	7.38598	9.68026	7.48625	6.58532	7.51329	7.58161	6.5982
AKR1C1	7.61233	8.01278	7.49549	6.85678	6.60313	7.18817	7.49393	5.24471	7.56096	7.49429	6.92873	6.24479	5.87501	7.96861	7.67711	5.93876
AKR1C3	10.0988	9.26078	8.41433	9.71435	6.6623	7.59745	9.13636	7.60078	7.7023	7.77471	7.92379	6.86138	3.00618	9.41817	6.64457	6.36458
AKR1C4	3.04535	4.9984	4.37426	2.0998	2.79083	3.601	3.31153	2.81438	3.15245	3.26858	4.89126	4.91392	2.68899	4.63956	5.36869	4.70463
AKR1C6L	6.64116	6.13028	6.38216	6.69688	6.26392	6.66538	6.54028	7.15837	6.32843	6.95742	6.33478	6.56853	6.82702	6.61504	6.88191	6.60405
AKR1D1	3.66681	2.21392	2.75954	2.25844	3.95816	5.066	5.07679	5.47546	4.59228	4.66095	4.42745	4.10853	4.64622	4.44205	4.51056	5.15911
AKR1E2	4.00704	4.46469	4.8404	4.32142	4.76618	4.03368	4.37083	5.00374	4.17998	4.69768	3.8419	4.3009	4.92803	3.97356	3.96304	4.74183
AKR7A2	9.53631	9.19844	8.33216	8.95146	8.39965	8.32414	8.78798	8.84532	8.57847	8.94789	8.23823	9.51816	9.19844	9.53523	9.08007	8.43478
AKR7A3	7.90495	7.64368	6.67922	7.16189	7.17539	6.84334	6.94031	6.04132	6.38344	7.37885	7.00599	7.56186	7.26259	7.31491	7.2324	6.5917
AKT1	7.06843	6.70583	6.78897	7.02582	6.7904	6.9911	6.41596	6.55426	6.46269	7.76557	7.5193	6.71359	6.74684	6.81906	6.78116	6.88646
AKT1S1	2.46078	2.03262	2.30098	2.34587	1.82793	2.26497	1.88256	2.47938	3.70305	2.03052	2.97605	2.1411	1.70215	2.79035	3.1449	3.57129
AKT2	5.5524	5.08656	5.37911	4.65837	5.78941	5.33349	5.87211	5.35784	5.52984	5.31136	5.84069	5.46637	5.67273	6.02877	5.22506	5.11456

AKT3	5.71141	5.51406	5.8916	5.91806	6.77805	5.7594	6.22045	6.08022	6.06363	5.84809	5.94177	6.05798	6.62134	6.32164	6.28271	6.47159
AKTIP	7.01562	7.80406	7.6495	7.71102	7.19916	6.23107	6.51546	8.30721	7.75049	7.72534	7.08341	6.16942	7.0876	7.45266	7.0851	7.41663
AL02234	6.47632	7.15498	6.94714	7.47911	6.97525	6.68952	6.74124	5.83622	6.62111	6.95154	6.61088	6.40233	6.91213	7.17031	6.39003	6.54152
AL02234	4.54741	4.55111	5.24859	5.44738	5.28004	5.23948	5.27542	5.47546	5.30524	5.43853	5.44001	5.20089	5.85032	5.4874	5.09413	5.16989
AL10970	3.69182	3.78714	3.73527	3.45327	4.00401	3.391	3.90378	3.85505	3.88943	4.25792	3.69464	2.46803	2.59488	4.04773	3.51602	3.57557
AL13270	4.54239	2.77081	4.94613	5.15376	4.02718	2.81599	4.43758	4.00856	3.35168	4.97382	4.88165	4.25792	2.94778	3.39861	2.00801	1.80953
AL13349	5.41227	5.45949	3.59844	5.9265	4.21316	5.47877	4.43758	5.59748	6.1047	5.67091	4.58758	5.53516	4.32095	4.38727	5.70246	4.68101
AL59076	5.05013	2.01809	2.50291	3.6357	2.81309	5.60149	6.13608	5.76823	4.43347	1.82992	4.3863	2.2269	5.77662	5.12503	5.19273	2.84751
AL83216	2.98506	3.89112	3.49445	3.53793	3.94739	3.78772	3.8062	3.99573	3.31034	5.43853	3.5826	3.27772	3.51845	2.93125	3.79392	2.96003
AL83318	7.65071	7.47372	7.66756	7.97364	7.7049	8.54592	9.96379	7.98508	7.6426	7.27289	6.03361	6.24081	7.65039	7.86423	7.8353	7.87951
AL92874	3.9256	3.91554	3.9258	2.72117	3.81865	3.95264	4.01749	4.13045	3.80565	3.93408	4.24944	4.36401	4.05757	3.90216	3.82329	4.04867
ALAD	5.06539	5.95297	5.80008	5.33068	5.7063	4.71959	4.87334	4.97034	4.97312	5.38422	5.88181	5.95297	5.0546	5.09122	5.18115	5.78123
ALAS1	8.0828	7.78272	7.93234	8.11122	8.23492	7.42325	7.97748	8.06993	8.36455	7.35446	8.07963	7.74032	7.80293	8.43886	8.03983	7.98905
ALAS2	3.90189	1.68921	2.54725	3.51239	2.88181	3.48415	4.12268	3.22692	2.72168	3.17975	2.70922	3.5358	3.30935	3.50156	3.58419	2.48368
ALB	5.07488	4.52911	4.29501	5.01851	5.3021	4.67236	5.31034	4.17905	4.46646	4.87431	4.20465	4.52313	4.41781	4.56991	4.66469	4.98681
ALCAM	8.6216	8.04077	7.12268	6.93134	6.67595	6.47861	7.80586	6.36658	7.65178	6.98662	5.76985	5.66058	5.98304	5.26177	7.59878	5.50846
ALDH16	7.06567	7.39312	7.49002	7.39659	6.92658	7.70157	7.40123	7.07408	7.57023	6.86445	7.82199	9.63071	7.37115	8.09817	6.94306	6.42316
ALDH18	7.85403	6.73753	8.01323	7.33587	7.33587	8.93625	6.52209	7.4188	7.00638	8.7811	7.64368	7.96606	7.13403	7.5148	7.83923	7.47423
ALDH1A	8.31785	7.90327	7.26807	7.67291	7.65193	7.09584	3.87897	4.11111	7.59679	8.34337	7.00568	6.39845	5.63921	6.69613	5.44505	6.91272
ALDH1A	2.75185	2.82798	2.96792	2.92162	2.58828	2.63321	2.5047	2.70064	2.64558	2.75002	2.86424	3.26763	3.17825	4.51886	3.9328	3.52431
ALDH1A	5.21072	5.86631	5.42595	6.12207	5.71586	5.16562	3.33696	4.33745	5.08546	8.46388	6.98908	3.82972	4.63097	5.19731	3.92821	4.03533
ALDH1B	4.24019	4.71918	4.89182	4.73058	4.83812	4.35178	5.00322	5.06959	3.82945	5.13985	4.026	4.08349	4.68488	4.94203	3.85966	5.18054
ALDH1L	8.21863	7.44226	7.13623	7.41939	6.74845	6.13229	5.94251	6.74074	7.19274	7.3443	6.71482	6.76898	5.31698	6.19045	6.67817	5.98462
ALDH1L	3.88851	5.30145	5.05099	4.26515	4.21924	4.05393	3.61825	5.89446	3.25201	4.31978	2.98436	4.10127	5.33438	3.07586	3.82329	5.47836
ALDH1L	5.02925	4.03862	5.54936	4.50964	5.66305	5.18234	5.10984	6.16004	5.46159	7.17104	5.11141	5.37458	4.81141	5.80184	5.4471	5.86958
ALDH2	10.6549	11.1496	11.118	10.7876	10.9732	10.942	10.6392	10.9225	11.3155	11.174	10.2084	11.4504	10.5345	11.2207	10.9531	9.54637
ALDH3A	9.13351	10.4489	8.30594	8.10488	7.08411	5.80045	6.8272	7.19321	5.55954	4.34627	7.33938	7.3603	5.06539	7.26885	6.29336	5.79136
ALDH3A	8.67259	7.3706	8.12631	7.37522	7.1455	7.42138	7.07329	7.41816	8.01193	7.67333	7.91877	8.21957	7.16569	7.59473	7.75007	7.32389
ALDH3B	7.41725	6.82939	6.12766	6.5312	6.30331	6.68871	5.89522	5.56822	6.69042	7.32333	6.84053	6.03955	6.50491	6.52664	5.11999	5.68401
ALDH3B	4.77579	5.95408	5.50467	5.7047	5.81036	6.33619	6.07655	6.06799	5.09551	6.63039	6.35493	6.00522	5.98188	4.2174	5.3021	5.01135
ALDH4A	4.51964	4.32569	4.63841	4.15938	4.10127	3.83893	4.32015	4.38754	4.15015	5.10961	5.37386	4.79693	4.55723	4.01187	4.11853	4.15142
ALDH5A	5.16078	6.36767	6.5788	6.81265	7.26259	5.29829	5.56504	6.05682	6.4679	6.69536	4.18392	5.85047	3.73889	4.82694	5.89565	5.62147
ALDH6A	6.66994	6.22463	5.85107	6.28793	5.69927	5.46952	5.76027	5.98768	5.80973	6.90744	5.40501	5.85558	6.44484	5.63274	5.7079	6.13014
ALDH7A	7.15152	7.57827	7.19188	6.48777	7.6407	5.88216	5.7104	8.06777	5.49973	8.54511	6.8718	7.43579	7.52444	8.45757	6.36616	5.51033
ALDH8A	5.55753	5.63823	5.74682	5.44477	7.74695	7.36509	7.19291	6.90016	5.27854	6.10559	6.16536	7.03012	7.79089	5.582	5.97908	6.1809

ALDH9A	11.297	10.5954	10.6461	10.8297	11.422	11.0741	10.6972	10.6426	11.0563	11.2693	9.92065	10.1153	10.4362	10.2398	11.1275	10.7357
ALDOA	9.22028	9.46237	7.52923	7.71341	8.60654	7.45093	7.31648	6.9069	9.77946	9.7488	9.43955	9.25316	10.0953	10.1153	8.08673	7.89596
ALDOAP	5.49464	5.87972	6.5596	6.39462	6.45389	6.58963	5.94594	5.04171	6.79241	6.23691	6.45819	6.22542	5.79876	6.6449	3.64338	4.77693
ALDOB	4.14195	4.9443	4.17338	3.95895	4.51531	4.28309	4.50253	4.37886	4.29676	4.74829	4.41311	4.50197	4.66353	5.40179	3.98045	4.02048
ALDOC	6.32093	6.51957	6.5302	6.91547	6.49835	6.61147	6.86104	4.74277	6.63311	7.35231	6.6849	7.03941	6.45075	4.86667	6.9826	3.80861
ALG1	6.29625	5.95042	4.37426	6.73353	3.7606	3.81413	3.3753	2.61382	3.36695	4.04734	5.47955	5.01256	3.46411	3.77151	4.91938	5.25696
ALG10	5.33954	4.90091	5.27381	5.74197	5.94177	5.78287	5.05384	5.91964	5.82261	4.28659	6.02266	4.026	6.04829	6.03605	6.14618	5.67953
ALG12	2.85784	3.25613	4.06126	3.988	3.09072	3.90614	3.31153	3.27157	3.87677	3.91319	2.52439	3.55262	2.7752	4.54346	3.46534	3.79382
ALG13	6.50219	6.5917	7.02137	6.74515	7.45236	6.94813	6.90032	6.85524	6.88386	6.88201	6.80181	6.51475	7.03798	6.28914	7.03457	6.8071
ALG14	4.78555	5.02104	6.13689	6.88943	5.6452	4.68245	5.10609	6.25707	5.84569	6.19599	6.1073	6.33083	6.22501	5.29804	5.42739	5.55223
ALG2	6.6512	6.68437	6.63039	6.30331	6.60068	6.57977	5.77492	6.92054	6.53843	6.74459	6.46531	6.60736	6.52442	7.42114	6.35611	6.86192
ALG3	6.27322	6.08983	5.8237	4.07003	5.12472	7.05419	6.3927	3.19037	7.06144	7.59141	7.8415	7.79159	6.92044	7.35018	3.84644	7.14827
ALG5	5.74348	6.06561	6.70196	6.23661	6.31191	6.4034	5.1957	5.67908	6.43957	6.53064	6.34254	5.95498	6.36589	6.50511	6.80405	6.4906
ALG6	7.27289	7.82119	8.71164	8.30082	8.78561	8.23302	7.85146	7.76155	7.85291	7.96472	8.44675	8.04873	8.44675	7.7809	8.31415	7.9785
ALG8	8.0555	7.32307	8.06218	7.9568	8.8123	9.20942	8.29403	8.82267	8.91642	8.75165	9.01959	8.30556	8.63551	9.32833	8.17477	8.8213
ALG9	6.64563	7.28961	7.37382	6.54937	7.95203	7.07077	5.6494	7.29473	7.21764	8.50291	6.77952	6.35256	6.08299	5.91519	6.91622	5.56083
ALK	5.12587	4.54325	5.50151	4.94222	5.82871	5.15143	6.34532	5.93713	5.10092	4.72194	6.30059	4.63084	5.60769	4.10127	5.89886	4.80084
ALKBH1	6.4377	6.72393	6.17984	6.73545	6.71005	6.25165	5.96381	7.10208	6.77582	6.64445	7.11556	6.72068	7.08284	6.15065	6.7566	7.01338
ALKBH2	7.47512	7.49612	7.07057	7.17953	7.96021	7.7631	7.65545	6.98305	6.91814	6.97429	7.59417	8.50501	7.54516	8.87897	7.92842	8.17509
ALKBH3	7.85153	7.97233	7.31075	7.56186	8.5288	7.93421	7.87727	7.92528	8.15536	8.31327	7.43454	8.12204	7.86944	7.93633	7.57609	7.86047
ALKBH3	3.27248	2.73543	2.73031	2.68811	2.91116	3.14136	3.52782	2.92289	3.43252	3.74062	3.26271	3.80871	3.35226	3.47114	3.41088	2.65253
ALKBH4	3.00675	5.61501	5.45637	4.07003	5.26818	4.83368	4.43758	4.97563	4.72987	4.87162	5.33157	6.11097	5.03426	5.72712	5.34195	4.90519
ALKBH5	7.76101	7.93177	7.56138	7.55487	7.59878	7.32647	7.17743	7.44793	7.16146	7.65455	7.39879	7.35004	7.86047	7.5276	7.31041	7.4913
ALKBH6	7.99147	8.34053	8.16657	7.98493	7.79704	8.23492	7.94735	7.82787	7.86404	7.73683	8.10118	8.97416	8.28037	8.27451	7.52561	8.19574
ALKBH7	5.98878	6.61862	5.57304	5.91288	5.37862	5.73335	5.42686	4.56077	5.09145	5.81194	5.25696	6.33563	6.43544	6.14279	4.67688	5.6595
ALKBH8	5.57534	4.00461	4.87118	5.8578	5.18	5.0266	5.02465	4.77762	4.14078	4.77762	5.15242	5.90151	5.66058	4.68857	4.96487	5.10669
ALLC	5.18934	4.48472	5.76173	5.95625	4.4489	4.29854	4.47022	5.76347	4.43347	5.97535	4.22425	5.32774	6.06561	5.30815	4.40873	4.49326
ALMS1	8.12782	7.61336	7.66558	7.5573	7.40184	7.86047	8.36439	8.0146	8.05758	7.57023	7.34377	7.75205	7.46816	7.41136	8.02303	7.53803
ALMS1-I	6.11935	5.38495	5.60777	6.49492	5.88955	6.1716	6.79271	5.85064	6.40352	5.2535	6.6495	5.54883	6.17628	6.39959	6.4064	6.7533
ALMS1P	5.79561	6.0737	6.5016	6.58707	5.91335	5.27193	6.49934	6.77902	6.07614	6.47812	6.14261	5.82023	6.10907	5.79936	6.19518	6.2844
ALOX12	2.47437	4.30232	2.02586	3.31099	4.86578	3.55971	3.57168	5.27102	3.31034	3.02948	6.04297	3.23711	5.14236	2.31516	3.24403	4.17756
ALOX12	2.77283	3.03524	3.13257	2.69863	2.44843	2.83735	2.58845	3.06557	1.81152	2.12186	3.57447	2.41615	8.29871	3.42962	2.29341	5.06428
ALOX12	2.53024	2.74824	3.57935	2.88071	2.53024	3.22527	2.5047	4.30714	3.22752	3.97041	2.73426	3.74466	2.54194	3.36587	2.97605	2.84751
ALOX15	5.93081	6.80263	2.14348	5.83023	1.69898	1.09519	2.15094	0.97208	3.55701	2.44811	1.98377	3.12959	2.75699	4.00373	1.85273	1.66002
ALOX15	6.16574	5.8257	4.75008	5.76823	4.27526	5.00335	4.24709	5.16804	5.47271	5.11271	5.86835	5.98551	4.96752	4.79121	4.89326	5.24588

ALOX5	4.58697	6.35913	5.89549	5.7127	5.74275	6.38344	5.74209	6.7568	5.56929	5.65707	6.65833	6.08731	6.23037	5.40356	6.05942	6.11493
ALOX5A	6.89497	8.09341	8.70235	8.85441	8.07801	8.00027	7.3511	8.17315	8.33807	7.16652	9.25156	8.66226	8.49676	8.43956	8.68521	7.72291
ALOXE3	6.34769	6.32382	5.88098	5.19221	5.2018	5.24136	5.49711	5.7765	5.32454	5.08461	5.44301	5.6866	6.30176	5.94782	5.35896	6.37591
ALPI	3.37574	3.00268	2.90046	2.56799	3.06407	2.94585	3.04679	3.22313	3.05227	3.56014	2.74285	2.34323	2.44399	2.85497	2.66175	2.85812
ALPK1	6.88783	5.76889	5.89327	5.39339	6.48848	6.00971	5.5909	6.51066	6.54125	5.65844	5.81801	5.5362	6.62877	5.77781	5.75828	6.14001
ALPK2	5.85355	6.94544	7.76765	7.32841	6.89934	6.65137	8.74249	7.4145	7.21897	4.84572	6.14034	6.90596	5.62541	7.07903	7.46674	5.79864
ALPK3	4.8846	5.81974	4.65119	5.09772	5.56538	5.83395	5.15683	5.16063	5.73146	3.96304	4.92554	4.12051	4.8636	5.10586	5.02925	5.74749
ALPL	4.22833	4.29733	4.28431	4.97269	4.1682	4.06264	4.19396	4.79475	4.56679	4.05985	4.72646	4.30232	4.91054	4.28545	4.54926	4.25904
ALPP	3.33951	2.97605	3.51672	3.51493	2.97095	2.79576	2.83966	2.98628	3.44034	3.39891	3.45096	3.25228	3.16183	3.49255	2.63378	2.88582
ALPPL2	4.89742	5.23193	5.30238	4.79693	5.69455	5.34226	5.84362	5.00175	5.44685	5.22091	5.36574	5.42739	5.1579	4.65006	5.30847	5.54917
ALS2	6.17517	5.70304	5.53244	5.96359	6.14183	5.84069	6.08964	5.97073	5.71111	6.02667	5.81608	4.96105	6.16037	5.58686	6.76392	6.30738
ALS2CL	7.68663	7.05684	5.75929	5.89189	5.78319	6.08449	5.95498	5.84122	5.8266	7.21604	7.12819	6.3979	5.33204	5.53911	6.53487	6.65858
ALS2CR1	3.763	3.6436	3.70978	3.13257	4.07101	4.13125	3.89312	3.47791	4.31594	4.37803	3.26122	4.12751	3.70752	2.98608	4.05092	3.96018
ALS2CR1	4.72113	4.68646	4.35054	5.63161	4.57105	5.35991	5.31338	5.4639	4.709	5.15941	4.27343	4.26025	5.50582	5.49373	4.66192	5.51058
ALX1	2.61145	3.58335	3.28947	2.72117	2.97095	2.89716	3.25433	3.32868	4.18653	2.47565	2.83774	2.76999	3.19903	2.79431	3.17223	2.69842
ALX3	4.51805	3.07762	3.67421	5.17119	4.82316	4.69149	5.71924	4.37563	3.95837	2.12186	4.34817	5.27036	3.90551	3.51712	5.1794	4.1399
ALX4	3.41112	3.55786	3.33383	3.23213	3.41088	3.30682	4.32992	2.61382	3.29007	3.3263	3.30436	3.49365	3.44604	3.57546	3.24403	3.18938
ALYREF	4.69036	5.66702	5.50151	4.31046	6.53673	4.99999	4.43114	4.55172	5.45483	4.34392	7.44685	5.01102	5.21738	6.52681	4.24557	5.42456
AMACR	5.38601	4.22158	4.11388	4.8731	5.62753	5.03573	4.68891	4.25134	4.35988	4.796	4.69384	4.94125	5.36141	5.57918	5.21788	5.78012
AMBN	3.06503	5.53282	5.4639	6.01875	6.05873	4.55142	3.77935	4.1207	3.66585	3.58913	4.31274	4.39854	5.50625	4.20074	5.72165	4.78652
AMBP	3.15266	2.87068	4.42363	2.89196	3.5199	3.52632	3.52747	2.96978	3.23291	4.18842	2.71255	4.33877	3.0483	3.58537	2.80263	3.09927
AMBRA1	5.05825	5.09584	4.80498	4.84558	5.22056	5.20466	5.30554	5.18508	5.61166	4.85212	5.31219	5.44837	4.94808	5.44924	5.46952	5.16345
AMD1	8.055	8.76514	8.49069	8.15094	9.06394	7.98571	8.3341	9.00167	8.42795	9.17096	9.46371	7.38533	8.93264	8.42938	8.8528	9.14361
AMDHD	6.05497	5.84555	6.1163	5.94594	6.15893	5.31891	4.9822	5.46099	5.00928	3.57327	6.29208	5.86232	2.92938	5.5861	5.42382	5.67461
AMELX	6.69747	6.64641	6.58244	5.87195	6.70524	6.14856	6.02667	6.39586	5.87508	6.57826	6.08511	5.9634	5.63126	6.13943	6.53993	6.475
AMELY	5.78685	4.89718	5.18945	5.43104	5.32334	4.96429	3.42552	5.26563	3.33041	5.77793	6.13735	6.05262	6.23157	4.51021	5.16259	3.89582
AMER1	3.73406	4.14691	4.87909	5.55652	5.2999	4.0873	5.30403	4.1207	5.58578	3.58913	4.24944	6.55434	3.73495	5.12503	5.14584	4.63489
AMER2	4.72058	5.03667	5.16933	4.52838	4.48624	3.90071	4.32569	4.41344	4.53056	4.90513	4.25972	4.90711	5.67328	4.29394	4.42289	4.08258
AMER3	4.32759	4.07129	3.84757	4.30155	4.07129	4.06695	4.09067	4.14676	4.40218	4.31641	4.17633	4.03607	3.9222	4.34913	3.05435	4.08141
AMFR	6.47821	5.14127	5.4497	5.39491	5.14196	5.58335	4.65418	4.37083	5.6503	6.61056	5.25618	5.25494	5.26984	5.18074	4.25238	4.94341
AMHR2	4.07206	4.39409	4.1682	3.66594	4.14049	3.84347	3.84674	4.45148	3.71298	4.37418	3.18189	3.39606	4.2792	4.97512	4.13924	3.6935
AMICA1	8.3741	9.36777	9.72748	9.6193	8.434	9.31398	6.88841	8.31557	9.39051	7.71853	7.80799	8.77677	7.75786	7.3188	8.3341	7.34834
AMIGO1	7.00351	7.06749	5.93974	6.99156	5.85581	6.489	6.76152	6.10828	4.59837	7.46409	5.37249	4.90933	6.05071	4.90583	5.77322	6.46771
AMIGO2	9.01455	9.23884	10.4176	9.73221	10.0722	9.26978	7.82748	9.16397	8.94789	10.4362	8.69522	9.87044	7.73205	8.0633	9.35952	8.79299
AMMECI	5.61494	6.39959	5.86526	6.15875	5.93039	5.79533	5.92548	6.54188	6.36767	5.55253	6.41532	5.51387	6.56339	5.91087	5.81473	5.66269

AMMECI	8.60522	8.88182	9.30096	8.83006	9.18918	9.12925	8.67455	8.9238	8.90524	8.97054	8.93264	9.24021	8.8433	8.70566	9.20103	8.81989
AMN	5.34835	5.29621	5.59384	4.89043	4.66374	4.84092	4.95436	5.20401	4.42805	4.63315	5.01	5.90458	4.7864	5.25494	4.97512	5.2705
AMN1	7.03311	7.68471	7.06945	7.42325	7.68995	7.01319	7.44928	6.24061	6.62111	6.61572	6.38623	6.3109	7.14258	6.93854	7.37404	7.43454
AMOT	5.64371	6.41424	5.66376	4.0196	3.9949	4.52501	5.85495	5.18273	6.50689	6.29537	5.21117	3.9057	4.42745	4.91054	5.38754	5.87771
AMOTL1	6.5839	5.62147	5.76	4.52134	6.99097	5.86436	6.72621	6.14288	5.58617	5.23625	6.16231	6.00667	5.38484	6.01819	6.49184	5.90014
AMOTL2	7.82923	7.82119	8.02694	7.18742	6.3927	7.01319	7.74978	7.73582	7.68857	8.81055	8.0655	7.29401	7.2316	6.84939	7.5753	7.13865
AMPD1	3.87518	6.53507	6.10547	5.91883	4.19738	5.73173	5.23329	6.62089	5.41128	7.32935	2.10233	5.97527	4.86826	5.49726	4.5234	2.81134
AMPD2	7.58901	8.52003	8.35151	8.23325	8.12039	8.3822	8.12416	8.30594	8.6216	8.15382	8.13666	8.87092	8.19737	7.93633	7.43016	9.08964
AMPD3	8.92921	9.33233	8.93431	8.92659	9.51582	9.0105	9.96791	8.71707	9.48779	8.55202	8.20431	8.95696	8.23524	7.84223	9.14677	8.8333
AMPH	6.67044	6.55067	6.50683	6.42817	6.80033	6.6594	7.14075	7.13969	6.53064	7.0693	6.67407	6.19045	6.66715	6.17219	7.25138	6.97709
AMT	8.16028	8.16058	8.01124	7.62599	7.67787	7.48341	7.36877	8.00617	7.26665	8.09465	6.84318	8.17389	7.17993	7.42042	7.78045	7.90998
AMZ1	6.01504	5.69861	5.6836	5.49356	5.54883	5.75436	5.63847	5.80008	5.74238	5.60339	5.75236	5.94857	6.00238	6.02116	5.80097	5.45895
AMZ2	9.42357	9.86852	9.62785	9.78359	10.298	9.09551	8.51258	8.72194	9.9517	9.64158	9.49156	9.15074	9.22889	9.25462	9.73529	9.06301
AMZ2P1	6.42644	6.46809	5.75596	6.80649	6.51043	6.89348	5.71924	5.07511	6.49559	6.45572	6.5815	6.08644	6.75796	6.25888	6.31947	6.23094
ANAPC1	6.68677	6.76466	6.90375	7.19897	7.55367	7.56421	6.91031	7.29787	6.52407	6.92903	7.15506	6.41874	7.71057	7.59235	7.39669	6.90303
ANAPC1	7.34834	6.02014	6.82752	6.4202	6.38452	7.19095	6.59992	6.3643	6.5166	5.86507	7.08123	7.22925	7.29852	7.1885	6.7905	7.67064
ANAPC1	6.40793	5.30926	5.87508	5.74393	5.82554	5.50938	5.64428	5.60724	5.99832	6.25615	5.32692	5.07305	7.18699	5.47803	5.73335	6.09697
ANAPC1	4.09491	5.14689	4.03231	6.71949	4.39851	5.28311	5.07679	6.01489	6.92337	6.22424	5.95392	5.50994	4.30438	6.01991	5.85731	5.94145
ANAPC1	9.7543	9.75979	9.7568	9.91603	9.02815	9.54637	9.29432	9.23642	9.05286	9.60844	8.75771	9.25156	9.4359	9.39668	9.39808	9.14447
ANAPC2	5.93081	3.97873	5.78447	6.64424	5.3979	6.13305	5.58083	6.33053	6.50219	5.13703	6.09397	7.28492	4.07063	5.21128	5.90637	6.37283
ANAPC4	7.90795	7.86216	7.73968	6.82523	7.83193	8.37378	8.01247	8.59276	8.52003	8.51084	8.04702	7.48739	8.17578	7.73104	8.05225	8.02106
ANAPC5	6.69601	6.92817	6.77933	6.69536	6.62489	6.99169	7.40692	7.19009	6.85331	7.37909	7.06102	7.43254	7.20587	7.77962	7.276	6.73987
ANAPC7	7.8444	7.89679	7.80162	7.58344	7.79974	8.29063	7.85368	8.35528	8.07513	7.92317	7.97191	8.1427	7.7303	7.47017	8.04951	7.77111
ANG	7.90137	6.90283	7.37495	7.97582	6.6158	6.65137	3.31153	3.71916	5.50616	7.68471	3.89949	5.66502	3.8683	4.25308	5.42686	5.8754
ANGEL1	5.52984	5.87573	5.56083	5.53595	5.86436	5.75322	5.6096	6.18795	5.6367	5.81884	5.38902	5.59149	5.76565	5.3869	5.18	5.29895
ANGEL2	6.54101	6.94612	6.97016	6.60967	7.7665	6.95472	6.3469	6.88265	6.65137	6.22315	7.19487	6.47754	7.54102	6.33134	7.45674	7.72037
ANGPT1	6.19092	6.20735	6.0987	6.20375	6.28124	6.05574	6.32323	5.74127	5.6314	6.1291	5.80924	5.95854	5.65292	6.38544	5.83837	5.71634
ANGPT2	4.06738	4.66701	5.50757	4.92049	6.58066	4.8832	6.34163	5.23211	5.41981	4.14617	6.08596	4.79167	6.21634	4.67765	6.87351	4.25636
ANGPT4	4.28431	4.86753	6.82985	4.03862	4.36498	4.21854	3.31153	5.95794	5.10973	4.595	5.38244	3.31042	3.85528	5.13036	3.33112	4.51771
ANGPTL	5.11285	2.80388	5.23078	3.88146	2.46078	4.22285	3.89931	3.72958	2.30837	6.04656	3.56191	3.27882	2.95705	4.05284	4.40557	3.33619
ANGPTL	6.11841	5.582	6.73688	5.72016	6.29302	5.99921	5.08207	5.33349	5.04171	5.81553	6.83019	5.70415	6.1757	6.129	6.52407	5.69269
ANGPTL	4.24079	3.79065	4.29087	3.92989	3.62197	3.45399	3.33935	3.27966	4.02718	4.50964	3.35467	3.37625	4.16003	3.9751	4.10435	4.86906
ANGPTL	3.28894	5.25407	4.27723	4.79781	5.60255	3.72108	5.35991	3.28382	3.51845	4.81256	6.46008	3.07787	3.38208	5.68032	3.1027	3.46755
ANGPTL	3.87518	5.57111	3.44341	6.22736	5.35918	4.26501	4.08418	4.51886	4.46077	3.66644	4.40218	5.31858	3.82075	3.8419	3.4886	3.31912
ANGPTL	2.34348	2.23621	1.88755	2.67969	2.50418	2.63321	2.88209	2.93245	3.6241	2.47565	2.91487	2.91196	2.88174	2.72254	2.6136	2.19188

ANHX	6.3411	6.10144	5.16217	4.71689	5.01027	5.58126	6.27038	5.4377	5.16217	5.38391	5.36625	5.58238	4.89528	6.56925	5.48818	5.32521
ANK1	3.8954	4.10475	4.43979	3.73511	4.03747	3.97409	3.9791	4.53119	4.25972	3.58062	3.70654	3.97153	3.29007	4.09669	4.12862	4.32759
ANK2	3.86774	4.66132	5.06616	4.82646	3.39966	4.44851	4.52741	4.61877	5.3635	4.95627	4.26501	3.66318	4.87172	3.48226	4.35356	4.49472
ANK3	7.65344	6.76182	7.15958	7.34856	6.66349	7.30705	6.72646	6.47995	6.75341	7.10488	6.2512	6.36517	6.51878	6.11665	6.92778	7.18918
ANKAR	3.74341	4.80845	4.30438	4.1925	4.17372	3.81727	4.49326	3.41991	3.5152	3.74261	4.34217	4.47624	4.5022	3.80608	3.28265	3.85542
ANKDD1	5.40071	6.57691	6.85524	6.52126	6.01381	6.63771	6.22394	6.36411	6.42518	5.55865	6.43998	7.50734	4.54463	5.32165	6.0589	5.79966
ANKEF1	7.33702	7.10725	6.49934	6.55896	7.31596	7.03111	7.3118	7.21008	7.04081	6.41949	6.34603	6.55717	6.80432	7.1578	6.94396	6.81265
ANKFN1	3.01775	3.08723	2.51368	3.29289	2.90726	2.81041	2.97713	3.39363	3.46916	2.21353	3.09072	4.31151	3.38369	2.58859	2.87137	3.21037
ANKFY1	5.56338	5.70933	6.49631	5.52822	5.54665	5.94337	5.61405	5.84563	5.91026	5.91883	6.07014	6.1118	5.60339	6.68752	5.8361	6.33967
ANKH	4.88503	5.21219	5.81987	6.41511	6.33407	5.24432	7.04694	6.24176	4.84205	5.82316	5.19361	5.65114	6.50664	7.10048	6.32595	5.86766
ANKHD1	2.68367	4.47924	2.79272	4.44124	3.79424	5.302	4.21561	2.07548	5.22807	2.69205	2.56627	4.30571	1.86408	5.2072	4.95919	4.67059
ANKIB1	6.9035	6.92903	7.48544	7.07392	7.07111	7.65049	7.60146	7.03798	7.31148	7.44046	7.39781	5.92045	7.2935	7.02299	7.66014	7.88396
ANKLE1	2.13523	1.58173	1.62051	2.88071	2.33881	1.53719	1.95222	1.67907	2.50218	1.5458	4.34817	2.38821	2.96494	2.57571	1.97136	2.94176
ANKLE2	6.06337	6.51914	6.44753	6.2474	6.60204	5.88181	6.64445	5.75728	6.05975	6.13381	6.28872	6.21237	6.129	7.31201	6.33721	6.49455
ANKMY1	5.31821	4.38541	3.80377	4.56642	3.6241	3.76863	4.01336	3.78526	4.63899	3.63369	3.78483	4.98862	3.99122	3.84644	3.88835	3.50747
ANKMY2	8.44583	8.17292	8.75873	8.62997	8.38598	8.52058	8.3496	8.50194	8.82789	9.69974	7.83372	7.70195	7.9141	7.55817	7.96289	7.76286
ANKRA2	9.26918	8.8123	9.54001	9.54799	9.6193	9.94429	8.48891	8.56249	8.6352	9.19438	8.69732	9.35677	9.35321	9.31398	8.96525	9.31511
ANKRD1	5.60332	3.4933	2.52296	3.02476	4.88265	4.61747	3.58877	3.0093	5.49837	5.44823	3.30436	5.43241	2.73615	3.55944	4.91938	4.38335
ANKRD1	5.61448	6.45143	6.63771	6.14202	6.50683	6.90931	6.30374	5.56929	5.6096	5.97983	6.49514	5.55777	5.44592	6.30006	6.7674	5.90202
ANKRD1	6.12881	6.11559	5.51543	5.70455	4.41908	6.40185	6.10931	5.10291	6.14229	6.89374	5.8257	5.05513	4.46349	5.44903	6.39033	5.859
ANKRD1	6.14288	6.57951	6.54256	6.2608	5.8784	6.23972	6.20003	6.31699	6.41069	6.08964	6.10715	6.55182	6.34299	6.12151	6.29302	6.13381
ANKRD1	7.39069	7.02558	8.47096	8.07664	6.46826	7.2324	7.34053	7.10353	7.50536	6.77908	7.07077	6.59491	6.8921	6.56324	7.10916	6.50752
ANKRD1	7.36696	8.00348	7.63559	6.6832	6.38946	7.24319	6.49559	6.79723	7.89413	7.47497	6.74657	6.71482	6.54427	5.87008	6.16481	5.90568
ANKRD1	4.69157	6.23481	6.1193	5.18956	5.62483	6.26392	6.58002	6.27029	6.18646	6.20798	6.01952	6.67845	6.13485	6.64264	6.07381	6.36638
ANKRD1	5.493	5.95498	5.8274	5.90626	6.47515	5.77873	5.52649	5.97427	5.31417	5.55564	6.50241	4.99004	5.10822	4.94318	6.05478	6.19499
ANKRD1	6.02788	6.12523	6.30909	6.02014	5.95105	6.235	5.10201	5.31156	6.30391	5.78411	6.02788	7.07599	5.87762	6.176	5.8792	5.65363
ANKRD1	4.97462	5.45261	5.31915	5.08531	4.96208	5.41041	5.33851	5.44477	5.61572	5.4303	5.24948	6.02045	5.17709	5.64993	5.51418	5.58299
ANKRD1	7.58542	7.38139	8.16518	7.51679	7.6526	8.01247	7.68776	7.74752	8.74527	7.90928	7.76259	7.16995	7.68956	8.18994	8.10571	7.33669
ANKRD1	6.69042	5.67091	4.44693	6.08449	4.04577	4.49847	4.16273	3.42681	4.13045	5.47786	4.16905	4.40116	4.67653	4.33174	4.54107	6.02445
ANKRD1	3.89772	3.65681	3.82769	3.28542	3.09072	3.83233	4.56843	3.60236	3.6241	3.15532	3.16885	2.95936	3.40212	3.8419	3.30762	3.39583
ANKRD1	1.37327	2.59102	1.79898	0.78709	1.3442	1.63688	1.63196	2.10233	2.22165	3.3263	1.54854	2.2269	1.68682	1.5436	1.81049	1.85717
ANKRD2	5.96988	3.07762	6.21356	5.21128	6.28785	4.41713	5.90764	6.47461	6.20767	5.65267	2.86424	4.96683	5.58872	4.03667	3.58891	6.46314
ANKRD2	6.24052	3.89112	6.16461	5.47686	4.14049	4.15792	5.87497	4.23662	4.65199	4.29458	4.16718	4.29721	4.73847	7.62195	4.51765	5.70646
ANKRD2	6.23263	6.14618	6.23778	5.58948	5.48056	5.66107	5.97543	5.69394	5.26406	6.42834	5.95435	6.51208	5.91315	6.27038	6.27471	6.4795
ANKRD2	6.78137	9.09246	8.82456	7.36089	9.1358	9.01679	8.87752	10.6461	8.86269	7.00656	10.4836	8.24731	9.4367	10.5181	9.39668	9.39209

ANKRD2	6.34155	4.61283	6.03071	6.52875	6.62843	6.61345	7.5931	6.14509	5.70661	5.53587	6.54142	4.84165	6.17486	7.13721	6.20858	6.69641
ANKRD2	4.97217	3.80004	4.27754	4.08122	4.33587	4.0846	4.30729	3.46403	3.96659	4.5817	4.17491	4.11908	3.9523	4.13266	3.58364	3.81426
ANKRD2	6.21045	5.95367	6.25615	5.37219	5.68679	6.1481	5.79852	6.64395	6.35718	5.82355	6.0757	5.6902	5.81473	6.13206	5.93594	5.87462
ANKRD2	3.29685	5.42705	6.04515	4.30655	3.97307	4.06264	6.11924	5.37333	5.8258	6.09071	5.13528	4.48087	5.11909	5.12155	3.70234	5.3398
ANKRD2	8.60131	8.42133	8.78072	8.19658	9.1743	8.75665	8.98463	8.97353	8.79894	8.58309	8.4383	8.40648	8.25993	8.47386	8.48679	8.89312
ANKRD2	6.43019	6.39352	6.87129	6.33063	6.48637	6.24793	6.91101	7.30538	6.89041	7.25015	6.40548	5.49101	6.04417	6.24386	6.9718	6.42879
ANKRD2	6.2427	6.02045	6.52173	7.06434	8.74907	7.04952	9.65997	7.60398	6.90659	7.12006	6.80813	6.69457	7.31941	9.52327	8.56052	8.33093
ANKRD3	4.04247	3.04911	3.09945	5.35512	5.3794	2.51251	3.94849	3.19037	4.6132	4.68824	4.94092	5.78642	3.75766	4.55761	5.24618	3.38208
ANKRD3	5.24317	6.51269	6.60496	6.38016	5.65011	5.6046	5.72712	5.67943	5.78857	6.26547	5.8673	5.8013	6.12371	5.97983	5.23264	6.18247
ANKRD3	6.05271	5.14689	5.45881	4.9654	4.9039	5.49927	5.55964	6.08585	4.52735	4.97382	4.37803	5.11046	5.41867	4.72155	5.15143	5.26217
ANKRD3	4.30379	4.43223	3.8042	4.86214	5.13629	4.31762	3.47791	4.49377	4.35946	4.12751	4.78257	4.73321	4.3989	4.49669	4.39937	3.91275
ANKRD3	3.68019	3.58335	4.00732	4.05472	4.07562	3.79752	3.20323	4.1399	2.73661	5.00061	4.05647	6.17373	3.58948	4.09275	5.05327	4.49636
ANKRD3	5.08302	4.89553	5.73335	5.09503	4.80917	5.76	4.97329	5.74642	5.69246	5.07767	4.95791	6.36658	6.10971	5.84328	5.21285	5.33582
ANKRD3	5.18283	5.60298	3.93627	4.9312	3.95816	4.05393	3.74769	3.93793	3.69577	4.26756	4.08209	4.14691	3.54537	4.30792	5.07609	5.64598
ANKRD3	3.0835	3.33539	3.26549	3.50564	4.81051	3.22527	7.48625	4.07245	3.5404	3.37812	3.8679	3.25228	3.65598	6.55955	3.64338	3.37025
ANKRD3	3.98673	4.45523	3.79811	6.18076	3.80647	4.3237	3.86818	4.97563	6.03712	5.75038	4.04541	3.74466	5.01701	3.6977	3.99153	4.11853
ANKRD3	4.02962	3.6935	2.86268	4.14041	4.76067	3.24275	3.14316	3.0093	4.07916	4.91332	3.08532	3.99715	5.02985	2.86263	4.45949	3.01871
ANKRD3	8.66277	7.83571	7.1008	7.8819	6.68711	7.00766	7.71463	6.57417	8.17211	9.35829	7.472	7.20199	6.90313	6.77286	6.77107	6.73581
ANKRD3	3.1074	4.18876	4.61877	2.9662	5.06115	1.97446	3.30714	3.94518	4.76796	2.29132	3.32197	2.33582	4.78468	2.39502	4.66845	3.31395
ANKRD3	6.13342	4.93339	7.75239	6.49761	4.08624	5.93894	6.92863	5.97235	5.31934	6.00788	5.12779	4.50504	6.02198	4.46371	5.62497	5.49475
ANKRD3	6.16959	7.33669	7.46257	6.35534	6.61672	6.99895	6.49232	7.7737	6.2802	7.82305	5.37108	6.48148	6.26231	5.79778	6.14674	5.1725
ANKRD3	5.88381	5.15808	4.47847	4.98755	4.92674	3.15165	4.89975	4.61194	3.91489	5.02776	5.36903	4.82307	2.90755	2.95261	3.83184	3.20278
ANKRD3	6.84461	5.79876	5.83196	7.38721	6.70755	5.7174	6.33704	6.18419	6.58666	6.83501	5.6367	6.7903	6.05559	6.79938	5.87508	6.61541
ANKRD3	5.47317	6.30006	6.0235	6.47114	5.84343	5.66816	5.84212	5.52587	5.58003	6.05367	6.74529	7.27807	6.41831	7.29639	6.4751	6.81462
ANKRD4	6.31343	6.815	5.72477	5.81147	5.79752	6.52278	5.75787	6.02088	6.44845	6.60536	6.64176	6.40922	5.8211	5.76752	6.33679	6.26698
ANKRD4	5.53943	6.66639	6.17824	6.45915	6.2395	6.39685	5.73303	6.39148	6.46228	5.81289	6.98832	6.64348	6.02116	5.24175	6.01341	5.92167
ANKRD4	4.73297	6.10715	4.95701	5.9265	3.61465	4.4329	5.35053	5.90655	5.85107	4.26756	5.74472	5.58361	3.34323	5.71111	5.27854	4.36849
ANKRD4	7.93196	7.23822	4.14389	7.51623	6.56458	5.68938	5.73173	6.14716	5.55208	5.03724	4.10776	5.95183	6.07459	5.71685	5.24618	8.25902
ANKRD4	7.99903	7.82536	8.73434	8.59366	9.55087	9.14008	8.85614	8.59168	8.44731	8.94055	7.69525	7.88283	8.7811	8.95577	8.68047	8.7381
ANKRD4	8.07471	8.27908	8.49014	8.6216	9.40143	8.03401	8.09661	8.99832	8.50431	8.31327	8.21756	7.21144	8.31881	8.40249	8.65141	8.37315
ANKRD5	6.41408	6.33298	6.19796	5.41267	5.70189	6.06196	6.28298	5.7512	5.27219	6.17309	5.79671	5.29857	5.77863	5.27487	6.06726	5.8392
ANKRD5	5.61312	5.94638	6.16152	6.69103	6.8099	7.30095	6.88076	6.50191	7.20142	7.48326	7.48137	7.16136	6.14652	6.72068	6.43274	5.92597
ANKRD5	4.24199	4.30008	4.28409	4.80874	4.23009	4.4764	4.44222	5.0159	5.30787	5.33971	4.93219	5.19004	5.2531	5.50547	4.91481	5.43394
ANKRD5	5.97667	5.10681	4.92411	5.60374	5.129	4.6209	5.05901	5.22343	4.86383	4.62221	4.60855	4.57378	5.09551	5.25716	4.88734	5.2922
ANKRD5	4.97697	6.56017	5.42404	6.68773	6.77394	5.29571	5.1853	3.27157	4.97647	5.541	6.54014	6.72703	6.37128	2.41572	6.32382	5.27518

ANKRD6	7.44871	7.27022	6.87804	6.81244	8.28122	7.8754	7.61233	7.19524	7.03398	7.5369	6.09307	6.46662	6.92873	7.48739	7.94991	6.19425
ANKRD6	3.26635	3.09358	3.14177	3.13915	2.97095	3.01096	2.53476	3.39861	2.97568	2.57765	3.111	3.08704	3.05227	2.97219	3.03267	3.23061
ANKRD6	7.10605	7.48119	6.90726	7.33374	7.03226	7.23063	6.99689	6.59764	7.44302	7.61233	6.78556	7.78519	7.53012	7.72648	7.15053	6.84483
ANKRD7	4.11983	4.3216	4.34691	4.34058	3.65448	4.87162	4.52964	3.74908	3.74437	4.89182	3.29289	2.76999	5.12757	3.9369	4.10961	3.86818
ANKRD9	5.6823	5.60986	5.16906	4.81157	4.93015	4.95287	6.48506	5.58973	6.14618	5.9082	5.65385	5.56354	4.94944	5.38933	4.98644	4.74829
ANKS1A	7.60983	7.20114	7.00694	7.81974	7.88149	8.1821	10.5619	7.98438	7.7961	8.71164	7.44986	7.46202	7.41543	8.79405	8.18359	7.21008
ANKS1B	4.2174	3.97032	3.52979	3.26332	2.86442	3.68203	3.47862	4.35267	4.23832	3.10351	4.383	3.50176	4.24274	4.06184	3.31564	4.05336
ANKS3	6.70233	6.44799	6.67595	5.48503	5.94244	5.7804	3.49217	6.15572	6.01713	7.04626	6.50827	6.68013	5.85825	5.90062	5.28699	6.44764
ANKS4B	3.87518	4.48984	4.51085	4.52648	3.36671	5.27193	4.49757	4.16157	3.59405	4.29458	3.93173	4.14691	4.11891	4.59647	5.29656	5.80234
ANKS6	5.01962	4.77076	4.98208	4.29147	4.60659	4.07003	4.37039	4.31071	4.49714	5.05202	4.75687	4.46039	3.24563	4.55172	4.29147	5.16727
ANKUB1	5.19457	4.34748	3.81533	5.08048	3.83921	3.3448	4.814	3.07358	4.29278	4.6197	3.69005	4.02009	5.02851	4.71089	4.53599	3.64147
ANKZF1	8.77378	6.7905	7.83173	8.10716	7.91065	7.82597	7.94437	7.96108	6.25847	7.16652	7.05259	7.71686	7.8819	8.03892	7.90443	8.35018
ANLN	5.1385	5.5093	6.08574	4.6265	7.92486	5.10291	7.76969	5.85506	5.4309	4.46469	7.47865	5.02024	7.86066	5.83892	7.21344	8.71228
ANO1	5.56014	4.40257	6.16627	4.84181	6.07898	6.91463	7.16495	6.21634	4.1913	7.58615	6.21299	5.06834	5.55192	4.87633	6.20107	4.95106
ANO10	8.02082	7.56855	7.09489	7.84068	6.40172	7.75767	6.31657	6.66036	7.05029	7.32554	7.21316	7.98789	6.71592	7.37763	6.26973	6.88982
ANO2	4.20503	5.01511	5.73904	5.18115	5.37776	4.91176	5.0694	4.60972	5.31438	5.58593	4.8258	4.9553	5.15356	4.6971	4.42101	4.49747
ANO3	2.91334	4.78923	3.40986	3.96234	6.25369	4.7668	3.16512	5.88688	2.5663	3.05259	4.86617	4.82307	2.04398	6.03389	2.89621	5.49001
ANO4	3.40389	4.63871	4.14832	3.1074	3.23222	3.3441	5.28201	3.24634	3.56237	4.61339	3.28186	3.43094	3.81102	3.58197	3.5082	3.41422
ANO5	3.78698	6.16288	3.86957	3.8462	4.84049	2.86136	4.60294	3.93793	5.26828	6.98699	3.68444	3.4402	5.25392	3.82972	3.71004	3.93004
ANO6	5.46554	6.19189	5.64209	7.06066	6.14022	6.93357	4.67342	6.39199	4.93282	6.18553	5.41755	5.66409	6.52805	6.59344	5.30913	6.56491
ANO7	5.16837	4.69357	4.04694	4.68646	4.26628	4.05393	4.28532	4.81522	4.42376	4.9553	4.92331	4.90513	4.61995	4.52704	4.61929	4.43077
ANO8	6.47995	7.48173	5.96196	7.35989	6.40928	5.55264	6.0467	6.89441	6.7821	7.22574	6.39914	7.00451	5.51437	6.77286	5.44505	7.14485
ANO9	5.3528	4.8244	4.72787	4.16395	7.69319	5.36454	5.20294	6.43689	6.79474	2.98998	4.39789	6.13746	6.81119	7.68033	6.74325	5.46892
ANP32A	7.61683	6.91517	6.83716	7.74219	7.27394	6.86122	6.28872	6.44039	6.62771	6.81741	7.56947	7.17072	7.87198	7.45894	7.06607	7.86216
ANP32A-	5.2904	4.66437	5.9206	4.89377	4.9083	5.21084	5.13292	3.67908	5.03513	5.59567	3.93173	3.07028	2.5663	3.7466	4.65312	4.99899
ANP32B	10.0817	10.0495	9.78849	10.4094	10.1542	9.68446	10.3191	10.8356	10.5911	9.56326	10.1061	9.59327	10.1711	10.0285	10.3343	10.6686
ANP32C	3.42813	2.94714	1.59211	2.52969	2.63482	2.42212	2.75954	2.83945	2.67969	2.75002	3.56921	3.45239	3.07124	2.51368	2.7465	2.57571
ANP32D	2.79297	2.56774	2.86268	2.25844	2.76484	2.86136	2.83966	4.33496	2.03262	3.83015	3.20659	2.53152	2.49591	2.37224	3.06557	3.13394
ANP32E	7.51249	8.01193	8.43264	9.25462	7.91508	8.8262	7.23363	7.00026	7.97022	6.5162	9.07809	8.15642	6.88541	7.46791	6.76579	7.40895
ANPEP	3.46297	3.10475	4.26259	4.20556	3.25464	4.06738	3.64889	4.43114	3.72292	5.16259	4.1603	4.56336	3.7606	3.45895	4.47807	3.72292
ANTXR1	4.74392	5.45472	5.74373	4.59445	5.56484	4.90526	4.62434	5.1367	5.00175	4.95342	5.30873	4.65818	5.30442	5.01818	6.27019	5.15216
ANTXR2	6.12427	5.42944	5.94405	5.86299	6.05846	5.88924	5.66305	6.49155	5.96394	5.93772	6.06669	5.0266	5.88542	5.5025	5.89386	6.10997
ANXA1	6.59372	6.08001	5.85731	6.57346	6.10884	5.34019	5.93216	6.01167	6.16313	7.17565	7.11889	5.18876	6.30331	5.29895	6.07302	6.15798
ANXA10	2.30837	4.99527	6.25094	3.91668	6.71173	2.93381	3.42552	3.52249	4.82953	4.84572	6.81398	4.19789	3.66589	5.09791	3.52918	3.16144
ANXA11	8.97179	7.74978	8.18359	8.37199	7.49517	7.61901	7.7785	8.07429	8.24731	8.54009	7.43803	8.00533	7.05684	7.56855	7.99407	7.69319

ANXA13	2.75185	3.91554	2.11428	4.60376	2.21727	2.27957	1.85693	2.83945	3.06765	2.66614	2.36593	3.55262	3.25147	1.5436	3.4886	2.26153
ANXA2	9.4367	9.80078	8.96611	9.08751	8.65141	8.67903	9.59677	9.43176	8.9826	9.16963	9.10897	8.46273	8.8262	8.98902	8.77241	8.86712
ANXA2P	6.69536	6.18762	5.57992	6.44417	5.3794	5.97064	6.5965	5.57186	6.02244	5.08644	6.0104	5.01532	6.24655	5.98436	6.37643	6.07197
ANXA2P	10.2825	9.67513	9.16254	10.0604	9.21274	8.88342	10.4318	9.39209	9.94645	9.26078	10.4412	7.98132	8.90271	9.49763	9.65751	8.91513
ANXA2P	3.56191	5.7837	4.28615	5.93381	5.63434	4.34547	6.01651	5.48699	5.44119	3.70919	6.34327	4.64303	5.44364	5.13985	5.86281	4.22209
ANXA2R	7.17031	7.98837	7.7665	8.60368	7.43031	7.76863	7.26107	7.33998	7.71518	7.30333	7.73582	8.36471	7.92598	6.76324	7.24231	7.36492
ANXA3	8.38319	8.56369	9.00415	8.70076	8.53248	5.59245	6.53172	7.18064	6.18646	10.4548	9.00505	6.63345	8.14368	8.03276	7.62654	9.01134
ANXA4	9.29927	9.25316	9.38907	9.23319	9.87278	9.63723	10.3441	8.90934	9.42229	9.16254	9.1743	8.73274	10.0162	9.82582	9.88096	10.3045
ANXA5	10.6854	10.7357	11.7283	11.2015	10.6426	10.6075	9.69447	10.2856	10.5076	11.6219	11.2398	10.1061	10.0245	10.2374	10.8668	10.0079
ANXA6	6.55426	7.33114	6.14323	6.76219	6.02617	6.53633	6.83501	5.89502	7.02816	6.39389	7.02137	7.40489	6.96888	7.23093	6.06505	5.7765
ANXA7	9.79051	9.42357	9.25706	9.56208	8.73732	9.22028	8.78506	8.85546	8.25743	8.73519	9.00325	8.76878	9.45518	9.75247	9.30096	9.12408
ANXA9	3.89212	3.98857	2.83415	4.25636	3.01908	3.16581	3.13363	2.68484	3.03288	3.20866	4.69793	2.96902	3.11019	4.24124	2.75185	3.15402
AOAH	5.68967	7.17234	6.98142	5.41719	6.51748	6.96924	6.52664	7.17007	7.44413	6.22424	7.20767	6.27682	6.60817	5.90303	6.95066	7.00766
AOC1	4.47585	3.79628	4.44939	5.30542	5.73055	6.87666	6.61318	6.88783	6.82158	6.6827	5.74832	6.15139	6.85136	6.73545	7.53607	5.99406
AOC2	5.94267	5.12855	4.33416	6.03276	5.7441	5.595	5.61494	6.56557	5.6566	5.19743	5.65233	5.20089	5.76985	5.27844	5.28471	5.57637
AOC3	7.22163	7.28099	7.81563	7.48402	7.24474	7.90074	5.88216	6.91979	6.15224	8.80081	7.39967	7.46791	6.17486	5.75101	6.879	5.05688
AOC4P	6.33307	6.90454	6.94009	6.72063	5.75357	5.96592	6.04874	6.27334	5.0222	5.95178	4.63606	7.00878	5.93224	6.70182	5.15143	6.49221
AOX1	5.98373	6.08205	7.21066	5.81684	6.06651	5.93022	5.86557	6.48735	6.31548	6.79335	6.0088	6.65226	5.95253	6.20531	6.35206	5.768
AOX2P	3.48571	3.31135	3.25331	3.31099	3.6922	3.24275	3.71929	3.27157	3.6241	3.94629	3.57447	4.19789	2.49591	3.80927	3.12323	3.97214
AP00023(	4.17798	2.86158	3.90511	3.61465	2.0729	2.15563	4.86471	4.06126	4.03549	3.42914	3.91647	3.99715	5.49578	3.64454	4.03892	3.7755
AP00025:	2.83473	3.31135	1.07116	4.1095	3.09072	4.70491	4.92155	4.46162	1.39887	2.31329	4.51992	4.88936	2.31554	4.02841	3.59615	2.10224
AP00026:	3.82982	5.0097	3.56906	5.01314	4.31232	4.77579	5.1034	4.92969	3.63964	4.17211	4.81597	4.08018	5.23232	4.87322	4.59094	5.04804
AP00034'	5.91716	6.54445	5.62027	5.88893	4.84616	5.54525	5.16804	6.47261	4.10622	4.83738	5.27341	4.42289	3.84364	6.26387	5.6902	5.75568
AP00046:	5.53595	4.51165	5.64598	5.53338	5.79396	5.47485	4.73921	4.87281	4.97	4.31215	5.21117	3.79654	3.40212	5.79936	5.53655	5.38936
AP00047:	5.82837	4.66437	4.54034	4.00732	3.79424	3.8966	3.93793	4.55333	4.26581	4.39917	3.75879	5.90859	4.10293	4.369	3.7606	5.29354
AP00052:	4.4643	6.3798	5.83595	7.09952	7.79201	6.36148	9.11792	6.67496	5.99957	5.1056	5.93381	6.79897	6.71459	7.25914	7.32373	6.6905
AP00069(	4.78107	3.59749	6.27834	3.78412	4.98786	3.32048	3.91631	3.31083	4.97	5.67897	5.40071	4.4103	3.49323	4.97512	2.7465	3.20278
AP00106:	6.93638	6.42916	6.59402	5.68888	6.73987	5.91118	6.1475	7.41725	6.40196	6.68077	6.62241	5.50419	7.13648	6.80813	6.52311	5.03019
AP00117:	6.64991	6.60216	6.9671	6.42609	6.83059	6.75064	7.06811	6.97459	7.26665	6.81379	7.1002	6.89972	6.77644	6.25158	6.62636	6.69641
AP00118:	4.44608	4.41154	3.26549	2.85497	4.61811	3.99153	5.05601	2.49961	3.92436	4.64479	3.93813	3.36359	3.78698	3.39861	3.18863	4.30978
AP00146:	5.88381	4.46777	5.74268	4.91294	2.21727	5.98304	5.96182	5.43004	3.88943	4.43223	5.28273	5.02595	5.66827	5.08968	4.68857	4.92816
AP00160:	6.08915	4.2388	5.98938	5.46928	4.06784	6.05719	4.29522	6.53424	4.80597	5.88638	4.19874	4.01677	4.58588	5.93176	5.59237	5.54492
AP00163(	3.02599	3.09358	3.57935	3.73945	3.38334	3.41719	2.58845	3.56906	3.48123	3.57327	3.72995	5.75224	3.05227	3.9369	2.67357	3.7297
AP00621(	4.61877	3.16637	5.09503	3.91668	6.02339	5.48131	5.90076	6.15572	2.95663	5.40153	4.48301	4.48087	3.21485	5.08103	4.54565	5.94638
AP00622:	6.76162	6.71607	5.7804	5.89493	6.29245	6.57417	5.36614	7.02785	6.38787	5.74642	6.15085	6.59049	6.2802	5.81659	6.47846	6.32107

AP00654´	6.25222	6.54082	7.00783	6.25108	4.28892	6.10124	6.29926	4.92065	6.47506	5.80309	4.41614	5.11486	5.09372	4.66808	4.30494	5.48692
AP1AR	4.86016	4.75405	6.03389	5.37759	5.74805	3.85936	4.67557	4.35216	4.75654	4.19998	5.19457	4.54034	5.32375	4.61122	4.25546	5.46507
AP1B1	8.2838	8.50078	8.64669	7.99254	7.98479	8.52724	8.19509	8.444	8.45424	8.48187	8.07186	8.52303	8.19358	8.30405	7.96537	8.05738
AP1G1	6.97145	7.10409	7.16126	7.27186	7.31755	7.14861	7.40457	7.737	7.2634	7.30682	7.29993	6.82071	7.18064	7.00701	6.95587	6.77952
AP1G2	6.71896	7.02068	6.56837	6.51441	6.50257	6.4679	6.35993	7.01816	6.86811	6.68235	6.48947	7.1455	6.66049	6.48403	6.56713	5.94499
AP1M1	6.59396	5.76339	6.59548	6.78681	6.77322	7.18439	6.93247	6.33478	5.89719	6.95587	6.79262	6.83168	6.02858	7.18309	6.90997	5.78073
AP1M2	7.75805	7.30272	5.0616	6.61659	4.54628	5.95929	6.60175	5.95297	6.02407	7.73933	6.57453	5.23432	6.0322	2.69625	3.56191	5.76027
AP1S1	5.58425	5.93344	6.10303	6.6127	5.5143	5.88542	6.99931	5.96765	6.28889	6.25418	5.57239	6.29439	6.40514	6.46428	6.27095	6.23742
AP1S2	6.83226	8.33807	8.24601	8.24244	7.74315	8.24153	7.75305	8.04702	8.14909	7.9785	9.08658	6.97241	8.23984	7.07467	8.04821	7.893
AP1S3	3.62063	3.9739	3.9222	4.15142	4.45763	2.54861	4.40775	3.33967	3.84704	3.42592	4.65169	3.42226	3.78483	2.83106	4.50143	4.13803
AP2A1	5.96658	5.77613	6.32898	5.49394	5.30554	5.9392	5.90647	6.10559	5.99734	5.94415	5.70455	5.36602	6.10559	5.85125	5.77758	4.92969
AP2A2	7.61185	7.3525	7.04806	7.51567	7.77079	7.48502	7.4913	7.09252	7.49352	7.20323	7.18028	7.2798	7.12429	7.45153	7.27645	7.40154
AP2B1	7.32785	7.04051	6.91433	7.05651	7.06035	7.19735	5.89619	7.21764	7.70859	7.63045	7.34612	7.06794	7.37469	6.89041	7.1855	6.88337
AP2M1	7.99574	8.71077	8.09229	7.74644	7.77242	6.879	7.29882	7.38866	8.93865	8.06529	8.42443	7.3755	7.24395	8.01345	7.61901	7.73355
AP2S1	8.77123	8.84269	8.33155	8.57221	8.6144	8.8433	8.80376	8.83478	9.30766	8.72123	9.32902	9.14959	9.4479	8.98598	8.52003	8.71838
AP3B1	5.40619	6.44252	5.99814	6.64591	6.16313	6.02692	5.93531	4.48511	6.59734	6.39214	5.63541	6.16574	6.2383	6.61156	6.30834	6.43347
AP3B2	4.18318	4.40518	4.78121	4.56634	6.40673	5.35382	6.06141	7.05573	4.61485	4.88176	5.52677	3.45549	5.47271	5.25736	4.74889	5.46805
AP3D1	5.84269	5.77971	6.25012	6.42277	5.19754	5.7379	6.29639	5.18934	5.65461	6.1691	5.68579	5.89935	5.62838	5.4792	5.33296	5.50757
AP3M1	8.38085	8.43012	8.31608	8.3687	7.73627	8.70602	8.54327	7.90495	8.20812	8.54398	8.22001	7.81302	8.34289	8.66383	8.64803	7.88233
AP3M2	7.60078	6.75544	7.19055	7.21844	7.44259	7.70241	7.75274	7.67064	7.52074	7.26516	7.13557	6.74345	7.36722	7.93216	8.13968	7.41439
AP3S1	9.65062	10.2771	10.5313	10.1104	10.545	10.5573	10.5954	10.8573	9.90115	10.4412	10.5225	10.4448	10.6889	10.3191	10.1739	10.0778
AP4B1	6.2531	6.35231	5.69581	5.43204	6.41548	5.63161	5.39886	6.28605	5.6452	5.73768	6.23462	6.24844	5.117	6.29537	5.68975	5.69143
AP4E1	4.26025	4.65523	4.166	4.792	4.69252	4.85148	3.63765	4.09572	4.33243	3.92591	4.37039	4.19358	4.00169	4.8882	4.28503	4.4803
AP4M1	6.75866	3.58335	3.51672	4.89975	5.61148	5.595	4.62693	4.51056	3.97161	5.08644	4.24944	4.16718	3.32016	5.55932	5.85223	5.78757
AP4S1	4.79031	5.08353	5.11108	5.48981	5.49524	4.75315	5.09394	5.3962	5.59579	5.24301	5.8076	4.37359	5.92895	4.90868	5.27116	6.01259
AP5B1	6.55748	5.34433	5.98264	6.02751	6.02339	5.65526	6.03144	5.92496	6.69306	5.95178	5.95392	5.72434	5.69754	6.51238	6.45655	5.16578
AP5M1	7.1525	6.94457	7.26733	6.86192	7.48777	6.87204	7.24063	6.93556	6.81688	6.85524	6.791	6.57513	7.38059	5.81758	7.01023	6.89922
AP5S1	7.197	7.64689	7.14648	7.1047	7.24015	7.37522	6.89247	7.71422	6.88287	7.84813	7.23024	7.03111	7.40067	7.34682	7.17292	7.15863
APAF1	5.77379	5.9717	6.1024	5.92959	4.99867	6.29719	5.51639	5.19799	5.55384	5.49741	5.90458	6.23263	6.11473	5.71644	5.14709	6.23263
APBA1	3.62918	5.17309	4.88936	3.93408	4.8415	5.41777	5.51248	3.20382	4.383	4.73535	5.19179	5.31943	5.26864	4.86304	5.21576	5.84835
APBA2	5.76729	5.14097	5.56798	5.04496	5.04401	4.96263	4.2654	5.19085	6.84013	5.65821	5.05043	5.42546	5.31034	4.46262	6.16313	4.40873
APBA3	6.38973	7.27221	6.6643	5.95026	7.22559	6.96636	7.71341	7.10387	6.8278	6.41532	6.51748	7.75166	6.90283	7.11246	6.93102	7.32123
APBB1	6.29418	5.85352	6.08068	5.84112	4.54756	5.28311	3.32901	3.76379	4.98761	5.96774	3.111	4.94936	3.65598	5.26764	3.96629	4.01765
APBB1IP	5.87229	6.48887	6.44039	6.49429	5.73359	6.47202	6.02581	6.49655	6.48575	5.09878	6.14183	6.55569	5.91892	5.20188	5.72755	5.11285
APBB2	5.95836	5.33833	5.57434	5.44072	5.69979	5.94527	5.70246	6.13152	5.69191	5.65114	5.67359	5.55057	5.46569	5.4498	5.95498	5.69638

APC	4.90076	5.35465	5.61277	5.68755	5.22673	5.91547	5.36162	5.31712	5.60857	5.12489	5.38078	5.17051	5.49685	4.85711	5.11744	5.15554
APC2	3.71405	4.73108	4.52282	3.40556	3.87392	4.67128	3.7382	3.89481	4.15112	4.44693	2.95985	4.55446	4.49326	3.80694	3.90614	4.44653
APCDD1	7.37944	6.57865	6.46024	6.38034	6.33846	6.35753	6.76291	6.19649	7.05029	7.13829	6.44172	6.2574	7.27587	5.07516	8.71164	3.2169
APCDD1	3.26635	3.09358	3.11137	2.40724	3.2065	3.63988	2.90726	2.83945	3.79382	4.23056	3.46534	2.83233	2.39587	3.36587	3.27847	3.08868
APCDD1	3.54143	2.66455	2.5321	2.34945	3.46252	2.38181	2.32747	2.63125	3.12473	2.70316	3.87914	3.7087	3.16778	3.09655	3.25175	3.45216
APCS	6.20086	6.74113	6.63133	6.60677	6.11232	7.08687	6.99794	7.28879	7.23199	6.96411	7.35953	7.33374	6.52948	7.38356	7.43307	6.5732
APEH	7.18404	7.26403	7.21844	6.83822	6.99972	7.19551	6.96182	7.14234	6.91931	7.30921	7.15001	7.20816	6.77117	7.11602	6.71005	7.30197
APELA	5.02649	5.73502	5.90087	3.02476	5.69349	3.67619	5.90076	5.28592	3.22752	4.21305	3.36559	5.69196	6.7551	5.55549	7.24511	4.58158
APEX1	8.77063	9.06963	8.09678	8.88342	9.08007	8.89663	7.19625	8.885	8.58018	8.8242	8.58419	8.45605	9.32203	8.63335	8.47572	8.99568
APEX2	6.47407	6.65491	6.45247	5.5865	6.6557	6.92808	6.76245	6.59372	6.6512	6.00457	6.9363	6.6832	5.75858	6.74939	6.22158	6.29559
APH1A	6.36158	6.1103	6.15224	5.99171	6.07154	5.8792	6.02602	6.00128	6.23972	5.9746	6.10023	5.99847	6.3999	6.18822	6.41723	6.33183
APH1B	8.04476	7.89992	7.86242	7.98921	7.31941	7.45295	6.90904	7.04312	7.56344	7.97399	7.43769	7.8431	7.26032	7.1455	7.56278	7.38746
API5	6.1129	6.7969	6.39231	6.31597	6.34408	6.33721	6.64067	6.55112	6.91249	6.46546	6.56002	6.26645	6.34228	6.64395	7.15152	6.54781
APIP	4.94203	3.706	5.46484	6.05243	4.78962	6.05559	6.4894	5.26675	4.61592	4.45943	6.54319	3.28186	7.31041	4.68499	5.99097	4.15183
APLF	5.8117	6.20677	5.54389	6.07655	6.52645	6.48524	6.75751	6.35436	5.76497	5.9336	5.6454	5.71298	5.93911	6.8537	6.44616	5.59967
APLN	5.4315	5.87195	6.58956	5.37911	6.55559	5.72269	6.15181	5.17831	5.20282	5.12708	6.23163	6.42535	5.54035	4.65943	4.28189	5.34309
APLNR	4.39081	4.81438	8.22892	5.70679	5.77389	7.7506	5.59967	7.89638	4.39872	6.63564	5.60533	7.27922	6.14424	6.97745	7.26867	4.57163
APLP1	2.96659	2.79266	2.88071	2.98748	2.85371	3.27349	2.88209	2.731	2.13825	2.88148	3.30436	3.22488	3.43133	3.21424	2.93032	2.94176
APLP2	7.92634	7.11951	7.40969	7.19639	7.89821	7.41297	6.91702	6.68839	7.26141	7.90171	8.09882	7.29064	6.40233	6.70457	7.06858	6.92227
APMAP	10.298	10.5062	10.9164	10.1917	11.1818	11.0563	10.1153	10.1887	11.0417	11.048	9.90542	10.783	9.79203	10.0415	10.3603	10.7222
APOA1	4.89293	5.78989	5.63045	4.84284	5.42694	5.14382	4.79376	5.05959	5.12234	5.13493	4.90672	4.71974	4.06358	5.1725	5.31156	5.56929
APOA1B	8.80034	8.96525	8.81055	9.08007	8.9068	9.09179	8.97654	8.52724	9.43913	9.26858	8.89283	10.0785	9.71435	9.69136	9.36648	9.4889
APOA2	4.57949	4.21256	5.05274	3.14998	5.47407	3.44194	5.24225	4.05376	6.02751	3.77534	4.20503	4.29221	4.62196	5.36713	5.49464	4.42547
APOA4	5.2531	5.44563	5.53434	5.14188	5.63203	4.48115	4.65674	5.42199	4.94929	3.94629	4.36479	3.12959	5.54936	4.21305	3.43307	4.91623
APOA5	4.23043	4.47486	4.45111	4.98009	4.55632	6.3998	5.42382	5.4555	6.31766	6.02758	4.48511	5.66603	5.31789	4.52911	5.82698	4.83307
APOB	3.17857	3.39411	2.49723	3.51731	3.41843	3.85069	2.12929	3.01775	1.95461	3.72436	2.44603	3.74024	3.07738	3.48415	3.44955	3.42172
APOBEC	5.97437	5.04076	6.30941	6.14874	6.01106	6.19367	5.66468	6.66787	5.69851	6.30722	6.21395	5.8105	6.13739	6.45428	5.48401	6.12177
APOBEC	5.55384	6.56543	6.06084	5.69813	5.92409	6.3073	6.62245	6.42707	6.49724	6.12881	5.67804	5.51444	5.05646	6.1983	5.8839	5.82871
APOBEC	6.00298	8.6233	8.1889	6.93776	8.33571	7.76731	11.422	9.54173	9.44859	6.6651	8.7032	9.28935	8.92258	10.2496	6.14843	9.00017
APOBEC	6.57387	7.44372	7.45459	7.58631	7.31673	7.09584	7.45153	7.18328	7.29931	7.17165	7.26885	6.84306	6.92903	7.29064	6.48329	6.48848
APOBEC	7.07014	6.26204	6.82616	6.25108	6.47656	6.46572	7.22399	6.8336	6.79241	6.69812	6.83511	6.7349	6.99012	6.74255	7.07381	6.92812
APOBEC	6.85619	7.34936	7.83054	7.36129	6.96067	7.37909	7.20816	8.01367	7.66453	6.93706	7.28595	8.0588	7.45647	7.3591	7.37266	7.14464
APOBEC	6.19388	5.93594	6.22768	5.84764	7.54909	6.67527	6.91333	6.36178	6.28247	5.07061	6.47821	7.28174	7.55413	7.26483	6.95994	7.11246
APOBEC	7.28212	6.80263	6.38982	6.82086	6.15528	6.4447	6.54028	7.28342	5.75308	6.43984	5.97954	6.52457	6.73759	6.50605	6.25649	6.64827
APOBR	2.93125	3.65681	3.74811	3.55701	2.58828	3.6256	3.63379	3.29115	3.66585	3.75611	4.52964	3.85447	3.85528	3.66246	3.35152	3.92452

APOC1	7.56597	9.10034	9.40525	7.90618	8.85441	8.82218	7.46791	9.24623	11.3999	6.85206	9.38269	9.43414	10.2825	8.037	7.92399	10.0629
APOC2	5.12987	5.24859	5.07446	5.10517	5.10888	5.02605	4.92635	5.5845	5.09101	5.46952	4.58568	4.91646	5.19152	4.72787	4.87769	5.57001
APOC3	3.90348	4.44253	5.03092	4.14509	4.17905	4.13105	3.88705	4.43729	3.47417	3.83791	4.22224	4.26613	3.48813	4.74876	3.9568	4.4039
APOD	7.05162	7.29055	8.40309	7.55964	5.92913	6.93439	5.9041	6.88386	7.53845	10.8485	7.18834	6.55434	5.35907	5.51937	5.64462	4.82631
APOE	6.16214	7.34905	7.71915	7.45647	7.19524	8.0146	7.23713	7.05524	8.33525	7.99279	8.67987	9.07296	7.79231	7.44642	6.68175	7.6386
APOF	2.34348	2.23621	3.86957	1.11532	1.69898	1.00765	1.85693	2.17246	1.87545	2.66614	1.59488	1.80953	1.97096	2.01506	1.74155	2.15094
APOH	4.39265	4.67969	4.77076	4.2961	4.12751	4.33558	4.40518	4.34651	3.27966	4.54926	4.56594	4.35384	4.52689	4.55333	4.47847	3.59171
APOL1	7.94114	7.57423	8.18643	7.41188	7.13821	7.11288	8.99622	7.78769	9.4889	6.77706	9.09179	7.21396	7.75627	7.51694	7.40281	6.87387
APOL2	6.4921	6.56768	7.13317	6.44753	6.75957	6.88646	7.40236	7.78404	7.43943	6.9682	8.46388	7.40328	6.37272	6.44484	7.14133	6.06475
APOL3	8.33063	8.68694	9.84942	8.80836	8.63776	9.06063	8.97654	9.37708	9.50874	8.13823	11.1818	9.62843	9.11385	8.58309	8.04384	8.67057
APOL4	5.38643	6.12279	6.34674	6.11665	5.7854	6.27019	6.40779	5.8259	6.24681	5.40574	6.65267	6.81715	6.42617	5.36209	5.98768	6.22059
APOL5	3.61236	4.13607	3.98497	2.63639	2.9933	3.99858	3.2194	2.34717	4.10622	3.09196	3.77904	3.33905	3.12086	3.90216	3.43307	3.45478
APOL6	6.94426	6.44845	7.63902	6.77908	6.19018	6.42694	6.81937	7.131	7.72407	6.65226	7.55589	6.14115	6.48699	6.86866	6.70583	5.90945
APOLD1	6.49761	6.08068	7.00694	6.62442	7.72534	6.83682	7.16663	7.37319	6.61013	7.12575	6.64131	6.19045	6.89331	6.25158	7.20233	6.35947
APOM	5.70584	6.19092	5.13261	6.10396	4.89773	5.10888	5.18926	5.70383	4.56226	5.64142	6.02116	5.76624	5.71111	6.14323	5.17403	5.70866
APOO	8.29732	8.35656	7.34178	8.13823	7.7899	7.11663	7.10108	5.55549	8.48222	7.70564	7.80604	8.14486	8.95773	8.27535	7.29424	7.62214
APOOL	5.74427	6.39924	6.28161	6.60496	6.22203	6.49354	6.85491	6.09202	6.60518	6.20756	6.43834	6.06227	6.49246	6.13804	6.80813	5.42482
APOPT1	7.48264	6.91031	7.01967	7.02799	6.51344	5.77244	6.53939	6.52805	7.08097	6.97525	7.15303	7.11527	7.36846	6.75996	6.85382	7.07143
APP	9.10606	8.71563	9.66727	8.99832	8.217	9.31854	9.15617	9.31202	8.9792	10.2283	8.7291	9.07205	8.63776	8.93763	8.63946	8.35311
APPBP2	6.92854	6.77263	7.02009	6.48805	7.21448	6.98295	6.85804	6.97418	6.58617	6.68643	6.62636	6.31242	6.49013	6.40266	6.90246	6.4202
APPL1	4.72297	6.44429	6.82357	6.94396	6.25548	5.73281	6.55342	5.71685	6.10649	6.57993	6.14099	6.05758	6.6447	6.02407	6.47632	6.77986
APPL2	5.77804	4.67521	4.63576	5.49584	6.00176	5.6142	4.01749	5.35451	5.69851	5.2129	5.12109	5.19446	3.69964	5.40633	5.38495	3.01871
APRT	9.55838	9.98579	8.69948	9.33414	8.55202	9.0096	8.89011	8.70602	9.11537	9.46488	9.71962	10.371	10.5665	10.0722	9.2421	10.0817
APTR	7.10048	6.28229	6.49559	7.18574	7.18309	6.53899	6.43057	6.05821	5.83966	6.78435	6.15893	6.91871	5.08775	6.46676	7.28781	6.6373
APTX	6.02595	5.60707	5.74785	5.64746	6.26114	5.5224	5.84328	6.13977	5.78504	5.71685	6.1733	5.45724	6.19845	6.34809	5.77151	6.21479
AQP1	7.08147	6.59123	8.19059	6.88646	7.06232	6.69878	7.15791	7.46816	6.80813	9.55087	7.05409	7.13821	6.02908	6.9611	7.70966	7.10162
AQP10	3.9256	5.21946	3.9258	5.23264	2.29738	2.15563	3.35187	3.93793	3.65431	2.69205	3.76737	6.16815	3.14193	4.27418	2.23945	3.04866
AQP11	3.70138	4.28339	4.65435	5.5524	3.12473	6.09668	3.20323	3.8281	5.09372	3.60777	3.69464	3.19844	3.12086	3.24563	3.62574	3.7755
AQP2	4.24058	5.33582	5.41855	4.80663	5.12234	4.88861	5.10586	4.64969	5.00206	4.58322	4.40518	5.06066	4.45943	5.37759	4.76339	4.46555
AQP3	9.67513	8.72304	8.154	8.77378	6.26645	6.05846	6.9682	5.66353	6.93502	8.049	9.14959	7.67624	5.73359	7.47497	6.01754	5.86507
AQP4	3.39841	3.13235	2.80263	3.07124	2.16598	1.88284	3.06604	2.4437	2.98959	3.52295	2.25844	2.75954	2.89716	2.03885	1.96139	4.57499
AQP4-AS	6.65654	5.76624	5.85761	6.08272	4.8729	5.34336	4.79475	5.18903	5.02474	6.42316	4.83092	4.71878	5.2999	2.14623	4.3896	5.15653
AQP5	7.89062	6.98952	6.08811	6.13206	4.18809	5.50829	3.91631	5.18273	3.76729	9.09551	4.59792	4.82852	5.90026	4.16905	4.93457	5.26796
AQP6	3.41948	3.00027	4.11944	3.53466	3.36263	3.50462	3.78955	3.13915	3.92882	3.12245	3.0807	3.50445	3.77832	3.39239	3.27314	3.67756
AQP8	4.70625	2.94714	3.1811	2.40724	1.60199	3.391	5.67127	2.49961	2.88086	2.72148	2.63321	2.13113	2.00801	3.57546	2.6136	3.2169

AQP9	2.94778	1.62441	5.56456	2.00313	6.14532	2.81599	4.30475	6.16296	6.28391	4.21305	8.71607	4.6561	5.59895	4.47605	5.41994	5.74894
AQPEP	3.79639	2.41683	5.26807	4.50716	1.42806	3.36385	3.55696	2.70064	4.65881	5.1154	5.1842	4.22176	2.04398	3.27909	3.9328	2.19188
AQR	5.47559	5.5131	6.06936	5.56963	5.08387	5.33553	5.02826	5.93772	5.93541	5.08944	5.23211	5.47581	5.4479	5.22723	4.98681	5.54035
AR	5.94158	5.8546	6.19467	6.03955	5.32145	5.76939	7.85449	5.42546	6.31723	6.36379	5.60281	6.12195	5.95076	7.56065	5.49545	5.27137
ARAF	5.58141	6.82274	5.89412	5.14382	6.08375	6.12478	4.92944	4.8766	5.85641	6.37737	6.36379	6.94714	6.61757	6.63345	6.32423	5.10708
ARAP1	6.04351	6.22135	6.30023	5.77127	5.7566	6.29983	5.50917	5.56484	6.13554	6.03625	6.24827	7.01929	6.29302	6.52126	6.07744	6.04533
ARAP3	5.68702	5.33406	5.54416	4.7148	5.30847	5.41899	5.83738	5.59996	5.69697	5.2192	5.42944	4.86906	4.61091	5.38297	5.12719	5.14762
ARC	1.92303	4.43372	4.72271	2.65796	4.82932	5.1154	1.91146	4.82189	2.07939	2.83032	4.35988	2.31832	4.19674	2.70047	3.52918	1.45205
ARCN1	8.89283	8.91327	9.33149	9.04007	9.38383	8.15692	8.08689	9.06514	8.40249	9.35144	8.72521	7.87143	8.36968	8.74983	9.14795	8.95046
AREG	5.18671	4.67994	4.00094	4.14261	4.97169	5.17777	3.78731	3.02155	4.78923	5.53494	6.4158	4.29087	3.20546	4.52112	4.29278	4.23705
AREL1	5.15634	5.44522	4.85029	4.94613	5.2212	5.0817	4.82272	5.50686	5.36713	5.48228	5.3496	5.07366	5.40444	5.1141	5.14928	5.51629
ARF1	4.73297	6.30006	6.86578	4.56179	5.62849	6.60189	7.1855	6.62287	5.96332	6.84701	6.7551	6.36903	6.52065	6.47656	5.4872	5.80739
ARF3	6.79607	6.89966	7.19982	7.46031	7.66888	7.11405	8.02537	8.32702	8.61682	7.65533	8.17146	7.26232	7.46989	7.57667	7.76184	7.0755
ARF4	8.87664	9.78521	10.1739	9.64364	9.14361	8.88182	8.96611	9.65609	9.38644	10.2341	9.80078	9.02178	9.40867	8.52724	9.40267	9.35321
ARF5	9.30365	9.24484	8.69882	8.92776	8.80651	8.8861	7.05247	7.69763	8.30405	8.64334	9.19156	9.54241	8.8053	9.24623	9.4206	9.28207
ARF6	7.14036	7.68134	7.45295	6.99046	7.89504	7.40779	7.42256	6.9718	8.32414	7.89111	7.73741	6.91554	7.29733	6.58025	7.30095	7.06915
ARFGAP	5.97527	5.8211	6.00481	5.41616	6.45334	5.96988	6.06161	5.73452	6.08811	6.46606	6.78945	7.06434	5.64345	5.93713	6.25856	5.76053
ARFGAP	6.39428	6.82623	5.89788	5.9051	6.64896	6.26547	5.56628	5.78989	6.27821	6.3114	5.98462	6.64896	6.16281	6.18996	5.49803	5.93689
ARFGAP	8.89011	8.86796	9.61231	9.38055	9.00505	8.66327	8.31785	8.56923	9.01248	9.82707	9.0336	8.86001	8.44731	8.62766	8.8844	8.02364
ARFGEF	5.66845	5.63541	5.93291	5.73429	6.12544	5.81078	5.7541	5.38104	6.19148	5.88749	5.69299	5.40376	5.18133	5.74238	5.65114	5.38724
ARFGEF	6.85234	6.91433	7.4571	6.43077	6.82609	6.21452	6.61013	6.48013	6.40446	7.14589	6.7969	5.93563	6.54488	6.63097	6.66605	7.35149
ARFIP1	7.65921	7.86145	7.76606	7.39921	8.24318	7.87706	7.61336	6.91433	7.57931	7.72984	7.45236	6.96438	7.74898	7.60537	7.49844	7.68874
ARFIP2	7.19095	6.99083	7.24339	6.63879	7.21508	7.04514	7.10564	7.63667	7.51172	7.2941	7.33163	7.65332	6.33298	7.48929	7.78703	7.17292
ARFRP1	4.75492	4.29429	5.46131	5.21864	4.86845	5.21707	5.24859	4.25052	5.33068	5.6566	5.64428	4.79562	5.36001	6.73729	5.00374	5.09667
ARG1	4.0743	3.37025	4.80793	3.59691	5.11766	3.97084	4.108	4.25098	4.26025	3.88447	4.38442	4.7155	4.86304	4.16665	3.99629	4.65694
ARG2	7.24192	6.56733	4.91646	6.22685	6.14076	3.29356	5.74303	6.05707	6.58169	6.36138	6.8319	5.83837	7.00902	5.25377	5.9567	3.93813
ARGLU1	6.25576	5.84879	6.11735	6.22861	6.26444	6.63953	7.21191	6.13534	6.17961	6.23037	6.17788	5.83348	5.69362	6.38241	6.23778	6.06651
ARHGAF	6.3569	6.48214	6.6449	6.38394	6.25794	6.71896	6.71827	6.66976	6.78332	6.88541	6.94344	6.56002	6.75154	6.5358	6.57275	6.39896
ARHGAF	6.69137	6.6798	6.73246	6.55968	8.36259	7.75696	7.94249	8.19936	7.70367	7.35613	7.89256	7.56936	7.55487	7.91982	8.58624	7.69972
ARHGAF	5.59803	5.9265	5.85386	5.78685	5.61572	5.68258	5.75525	6.68032	5.43789	4.89975	6.60546	5.46517	6.13739	5.47686	5.83438	6.71337
ARHGAF	6.42897	5.58299	6.34544	5.70272	7.33669	6.21486	6.19445	5.64102	7.11159	7.87403	7.35181	5.85641	6.59223	6.78628	6.53737	6.09972
ARHGAF	4.9939	7.65455	5.26807	7.77708	7.23209	7.83173	5.95116	7.62511	7.84356	6.69152	7.30897	7.25719	5.85266	5.01656	7.77279	6.55905
ARHGAF	8.89896	7.50897	7.26403	7.82614	6.70005	6.47903	6.08718	6.86762	7.43016	6.88587	7.1351	6.72621	7.18953	5.75467	6.62398	6.88287
ARHGAF	5.99734	6.54188	6.70439	6.51789	6.57234	6.134	6.03664	6.09737	5.68275	5.86242	7.09966	6.47473	6.15875	6.38374	6.65491	6.8731
ARHGAF	7.19524	7.40581	7.43992	7.03897	7.11246	7.04472	7.43605	7.20323	6.94115	7.4807	7.11036	6.88337	7.01061	7.15413	6.94865	6.94115

ARHGAF	6.51344	6.33563	6.77226	5.96948	5.75253	6.35047	5.63698	6.70411	6.78681	6.08828	6.5503	6.81379	6.53547	6.1475	7.03311	5.98807
ARHGAF	4.41344	4.87368	4.40518	4.70881	5.76151	3.75252	3.57935	5.46406	4.82254	4.67276	4.12376	4.56991	4.75295	4.33903	4.44454	3.23532
ARHGAF	3.66155	3.999	4.73694	5.02998	4.76965	4.9244	4.10052	5.27924	4.03892	4.56077	3.73633	5.68373	4.38374	4.45172	5.04268	4.3486
ARHGAF	6.69641	6.15329	6.50835	5.73705	6.04001	6.12252	6.54937	5.71218	5.49513	5.61646	5.80739	5.79014	5.87942	6.71005	5.57898	5.80414
ARHGAF	5.08081	5.15653	5.0631	5.55505	5.89988	5.0875	5.28498	4.72336	5.67605	4.88779	5.18283	5.25591	4.89718	5.00256	5.40179	5.13292
ARHGAF	6.61895	7.96861	7.63825	7.66787	7.39533	7.31148	6.40739	7.57059	7.7952	6.46966	7.48493	7.69211	7.41632	6.68839	7.42056	7.11823
ARHGAF	5.05513	6.00586	5.79795	5.37062	5.61435	6.07171	5.42929	5.56468	6.06615	5.62092	6.11077	5.28385	5.51506	5.16217	5.43189	5.91721
ARHGAF	0.9979	4.94502	2.65267	3.28542	5.25573	2.27957	2.53476	6.01489	4.13584	3.29126	1.32308	3.79097	2.66449	1.84505	4.41729	3.29988
ARHGAF	4.09979	4.17406	4.3419	4.17667	4.01138	3.82021	4.04104	4.3447	3.80054	3.9761	4.24629	4.43516	4.48842	3.91797	3.77125	4.47233
ARHGAF	4.04706	4.42592	4.62196	4.50434	4.95899	4.94203	4.54463	4.7659	4.49847	4.61534	4.35634	4.33174	5.05142	4.8578	5.18703	5.85146
ARHGAF	4.12557	4.44222	4.84233	5.02185	4.56273	4.95342	4.56504	4.91646	4.52489	4.4881	5.1853	4.67727	5.20839	4.8404	4.77643	5.09175
ARHGAF	6.73798	7.21934	7.27451	7.2883	6.94016	7.22111	6.60644	7.1549	7.59541	6.599	7.31799	6.63705	6.39707	6.32149	6.95897	6.10444
ARHGAF	5.71395	5.26322	6.02198	6.08478	5.81272	5.51334	6.07116	5.14709	6.02828	5.11677	4.57997	3.98056	5.84069	5.63434	5.67035	6.03045
ARHGAF	6.73753	6.24025	5.04714	6.03336	5.50547	4.99372	6.13518	4.9341	5.07535	6.16713	5.11687	4.70793	5.03203	5.48664	5.01451	5.59906
ARHGAF	4.00676	4.41443	3.97447	3.40389	4.193	4.30232	3.36263	4.6265	4.47102	3.54991	3.52782	3.94028	3.86323	3.69237	4.1954	3.97955
ARHGAF	6.52754	6.19774	6.94256	6.51475	6.12946	6.12053	6.29256	6.53593	5.72608	6.25108	6.15366	6.25151	6.13951	6.27623	6.14261	6.45116
ARHGAF	2.88015	4.10265	4.37989	2.65796	3.14557	4.10435	4.887	2.70064	3.09248	7.01816	4.47807	3.51602	3.90551	2.82083	2.84494	2.07548
ARHGAF	7.54269	7.54819	7.12877	6.83168	6.58226	7.11869	6.99315	6.75429	6.31489	6.67897	6.76409	7.03012	6.43057	7.32647	7.11224	6.97472
ARHGAF	7.12832	7.82828	7.60433	7.5111	7.13546	7.80888	7.7899	7.56421	7.51294	7.62564	7.62838	7.93806	6.99889	6.94333	7.04141	7.19964
ARHGAF	4.10591	3.61335	3.71916	2.96872	4.60388	3.75226	2.82901	3.87914	4.49636	3.59527	3.44177	3.89385	2.53067	3.43977	3.24843	4.72209
ARHGAF	6.61308	5.31252	6.00971	5.15451	4.47874	6.14705	4.74294	5.58056	5.16727	5.51081	5.06762	4.84543	4.56534	4.61825	4.36417	5.14507
ARHGAF	6.23437	5.86708	6.40548	6.9358	7.00599	5.70437	6.88386	5.88924	6.0737	6.66617	5.44754	5.74749	6.33638	5.71586	5.68932	6.3105
ARHGAF	7.03808	6.29484	6.00252	6.95859	6.26392	6.3245	6.29363	6.89597	6.35428	6.9331	6.16676	7.51319	7.03578	5.81078	6.77476	6.62746
ARHGAF	4.90154	5.64638	5.21531	5.15309	4.99162	3.87842	3.56581	5.16241	5.05288	5.29621	5.86075	4.9039	3.90154	4.70148	4.37334	4.80979
ARHGAF	6.91829	8.79299	8.37315	8.29403	7.75127	8.28971	5.99118	7.64917	8.39851	7.07424	8.12977	9.28645	7.7162	6.77387	7.54351	7.63101
ARHGDI	5.95367	5.82082	5.79319	5.93594	6.03336	5.9966	5.78051	5.90795	6.61296	6.27174	6.37043	6.20342	6.0737	6.29011	5.54883	6.0027
ARHGDI	7.51793	8.78881	8.42856	9.12731	8.8583	8.18148	6.28247	7.40067	8.37808	7.20472	8.09465	7.51249	7.89777	7.63792	7.7461	7.33374
ARHGDI	2.68367	2.74824	3.1811	2.83422	3.42572	2.72526	3.71929	3.53745	2.79078	2.95492	3.96082	3.0573	3.38837	3.70919	3.57849	3.38208
ARHGEF	6.43526	7.30649	8.32269	6.8244	6.95795	7.65344	7.86488	4.9984	7.31443	7.0852	7.40248	7.38139	5.9848	7.44942	6.20404	7.66492
ARHGEF	5.1957	5.55777	5.1957	5.54389	5.86584	5.48482	5.76203	5.53494	4.50964	5.75636	5.55676	4.79228	3.99337	5.71218	5.09722	5.34879
ARHGEF	7.30509	7.14925	7.01865	7.15377	7.0893	7.1111	7.54722	7.41297	7.39378	7.53547	7.17852	7.39688	7.12084	7.37813	7.00902	6.9261
ARHGEF	4.29147	3.29232	4.3989	3.86554	4.081	4.52648	4.06695	4.06438	4.4881	3.60061	4.96449	3.99352	4.08829	4.07003	3.77904	4.25565
ARHGEF	4.17188	4.307	4.6561	4.41965	4.10265	4.42897	4.59806	4.2994	4.14096	4.58543	4.40595	4.22943	4.18777	4.56703	4.27968	4.27794
ARHGEF	6.15798	5.22623	4.96694	5.32375	4.79376	4.55465	4.63296	4.88734	4.84921	5.47426	5.8191	5.2242	4.12287	4.09572	5.48642	3.7093
ARHGEF	7.52923	7.0811	7.45587	6.99952	6.95897	7.13829	7.67469	7.39759	6.89708	7.34509	6.76925	6.96898	7.05524	7.55574	6.94249	6.52183

ARHGEF	4.57516	3.16637	3.31271	4.07003	3.26091	3.04945	4.09381	4.03916	3.40648	3.80685	4.03549	5.04593	3.28382	3.10839	3.71862	3.54848
ARHGEF	8.82067	9.0354	9.00855	9.29297	8.83165	9.2707	9.09246	9.07417	8.74119	8.32492	8.3899	9.39515	8.21672	8.5406	8.65511	8.16199
ARHGEF	4.86397	5.72913	3.59844	5.35512	6.48947	6.68524	7.17445	3.79039	6.38787	5.76953	6.41007	5.07511	6.81917	7.4238	6.5162	6.48543
ARHGEF	5.18445	5.47986	5.98188	5.49741	5.66035	5.47008	5.27655	5.56963	5.81473	5.49051	5.93792	5.77833	5.3523	5.64828	5.04032	5.59687
ARHGEF	4.9939	4.84572	5.03262	4.63885	4.34735	4.66791	4.70432	4.96893	4.97	4.91332	7.18251	4.73008	4.94479	3.57546	4.81782	4.93246
ARHGEF	5.5809	5.62668	4.66437	5.11766	4.60918	5.33606	5.21642	4.02372	4.80031	6.0877	3.9222	4.11944	4.75966	4.73241	4.34603	4.69923
ARHGEF	7.75767	6.03446	5.1255	6.60156	5.22268	5.01511	4.30475	5.3347	4.99837	4.68137	4.81992	2.34474	5.0263	3.94866	4.48521	5.05177
ARHGEF	6.95513	5.89251	5.10351	5.86	6.02272	6.24852	6.54672	5.76574	6.48089	6.33317	5.01217	5.477	6.06906	6.10253	5.75684	6.32063
ARHGEF	7.60433	8.09678	8.44931	8.51453	8.29592	7.68874	8.61036	9.52327	8.56298	7.89413	8.44913	7.1585	8.03646	8.47658	8.96335	8.21028
ARHGEF	5.4629	5.31895	5.29579	5.19529	4.70851	5.48413	5.11637	4.96224	5.6132	6.40719	4.69677	4.873	5.76092	5.66772	5.37911	4.17756
ARHGEF	7.67745	7.69174	7.31308	7.49549	6.84013	7.38684	7.24537	6.4969	6.93323	8.57166	6.98711	6.87509	7.2851	6.8266	6.44808	6.41949
ARHGEF	5.12745	5.97245	3.67421	3.27048	4.71898	2.91286	2.73211	3.0093	3.40648	2.95492	3.99549	5.58361	5.14648	3.60186	3.47504	3.65514
ARHGEF	4.79518	5.16659	4.17406	4.54689	4.88779	4.59565	4.37538	5.40872	4.59029	4.49537	4.88575	4.44851	5.15941	4.59373	5.32348	4.53119
ARHGEF	6.23529	5.99424	6.87369	6.29525	6.02014	6.10593	6.52839	5.87608	6.23376	6.32955	6.07077	6.82357	6.81597	5.81335	6.00366	6.80863
ARHGEF	5.15336	5.13806	5.29643	4.7761	5.62092	6.66307	5.16217	5.05847	5.98945	6.14545	4.98595	5.61352	4.90526	5.14034	5.64301	4.77009
ARHGEF	7.70787	7.33205	7.1664	7.05247	5.91104	8.05838	8.57084	6.88246	7.66727	8.29356	7.52405	7.20891	5.61104	7.27909	7.5369	7.03719
ARHGEF	8.58309	9.61231	9.76893	9.49156	9.04187	9.40867	7.73205	9.55087	9.08242	8.08728	9.28207	8.79361	8.30207	7.96389	9.26758	8.06703
ARHGEF	5.02484	4.77053	4.61847	4.87271	4.70357	5.31156	5.20401	4.40984	4.9792	5.05384	5.19529	4.35831	4.46262	4.86772	4.79653	4.83353
ARHGEF	4.75761	4.34246	6.08811	4.37118	4.93594	5.15052	4.94479	5.46099	3.48123	5.49383	4.95972	5.11486	4.70836	5.68695	5.12829	4.7575
ARHGEF	1.64611	1.84587	1.64561	4.47048	1.54197	1.68859	2.06028	1.79233	1.69898	1.78758	2.63321	1.19537	3.93646	1.59381	1.88334	2.15094
ARHGEF	4.22389	4.83635	4.72736	4.382	4.61987	6.02838	4.45556	5.12472	6.10359	5.88242	5.39339	4.32396	4.2754	4.56192	4.73386	4.82016
ARID1A	5.47646	6.41963	6.2126	6.32869	6.57567	5.79101	6.24803	6.35935	6.97441	6.00128	6.25838	4.83543	5.34089	6.34228	5.94649	6.00283
ARID1B	6.54841	6.25904	6.37201	6.56768	6.69812	6.59193	6.62914	7.03494	6.43057	6.32283	6.02244	6.0322	6.78863	6.55657	6.83319	6.60536
ARID2	6.70583	5.04878	6.82737	6.02327	5.44553	7.14896	7.10635	5.20768	6.64693	5.44301	5.80945	6.19518	5.94337	6.31802	5.67328	6.65377
ARID3A	6.56272	7.20792	7.17043	6.45143	7.04081	7.0853	6.80475	6.78968	6.98458	6.56249	6.63908	7.05131	6.9718	6.98687	6.82071	6.98553
ARID3B	3.32431	3.21812	3.27793	3.6357	3.01001	4.03667	3.60262	3.39861	3.76729	3.11051	4.92635	4.49442	3.97703	3.34999	3.29289	3.67519
ARID4A	6.14586	5.78774	6.47861	6.71017	7.19334	6.28525	5.54665	5.37997	6.17842	5.50686	5.99968	4.9958	5.97965	5.85803	6.5278	6.48794
ARID4B	6.24154	5.79922	5.20433	5.79136	6.71935	6.62658	6.74964	5.37013	5.83707	6.03826	6.75115	6.5982	5.80924	6.42868	6.44039	6.91702
ARID5A	6.28284	6.51077	6.70042	6.11947	6.61027	6.04396	6.83665	6.14174	6.85031	6.55737	6.73522	6.13746	6.66461	6.37067	6.20404	6.34228
ARID5B	5.37607	5.06647	5.51296	5.85251	5.74585	5.59579	4.61007	5.23146	5.31739	5.32756	5.47803	4.92117	5.50938	5.82637	4.79121	4.64455
ARIH1	5.90151	5.62971	6.39014	6.3741	6.54823	6.46055	6.60124	6.56788	5.88749	6.50855	6.49655	6.00298	6.13554	6.80739	6.41345	6.37053
ARIH2	6.97599	7.22613	7.68663	6.59787	7.23024	7.02866	6.68807	7.92001	7.15739	7.24216	7.63101	7.28407	7.07295	6.80329	7.19582	7.7049
ARIH2OS	3.90594	5.09413	4.62918	3.3738	3.84331	3.50802	1.24246	4.80693	3.33041	2.50603	4.40218	5.64034	2.23314	2.54935	2.41671	1.54854
ARL1	8.83547	8.76117	8.96525	8.76808	8.9537	8.40648	8.89125	8.63198	8.74665	9.60059	8.04991	8.30848	8.76878	9.18613	8.86457	8.53486
ARL10	5.14709	5.19592	5.16975	5.18	4.83247	5.02637	5.14439	4.84961	5.09699	4.94042	4.84092	4.54584	5.31293	4.66168	5.00206	4.66192

ARL11	0.42629	2.35974	2.52877	1.94998	2.75114	2.47594	1.97136	1.58613	0.62135	2.98152	0.75844	3.29636	1.84826	1.7453	1.90826	1.94688
ARL13B	6.61138	2.13825	6.07859	6.16141	5.93462	6.36778	5.32281	1.86949	2.13825	2.42411	5.50142	1.54854	6.11965	5.87473	6.75611	5.8754
ARL14	1.92303	1.9808	1.64561	3.21843	6.96211	2.93381	8.41228	7.93534	3.55701	1.5458	1.74872	1.97567	8.90524	8.22174	4.46357	9.2707
ARL14EI	6.88201	7.21986	6.66787	6.41555	7.61518	7.17176	7.15875	7.51158	6.95076	7.35723	5.89803	6.47236	7.3511	7.3188	7.10547	7.35884
ARL15	7.03856	7.93978	7.25795	6.47632	6.25512	7.42028	8.47386	7.90099	7.42526	7.18439	6.90107	6.97093	6.12881	7.44109	7.7952	8.26067
ARL16	7.34389	8.30556	8.79695	7.02866	7.43691	8.2823	7.48625	8.38568	7.69154	8.70805	7.90905	7.91527	7.67948	7.70723	6.92116	8.00403
ARL2	7.78878	8.38627	8.4476	8.46911	7.7023	8.47096	7.533	8.3171	7.39264	8.09751	7.88065	9.30484	8.44151	9.33546	7.19112	7.82179
ARL2BP	6.21786	6.37184	6.1219	6.58707	6.55916	6.38419	6.00799	5.95794	6.8657	5.2129	6.48767	6.28766	7.25954	6.49681	6.48199	6.50178
ARL3	7.41527	7.65751	7.29117	7.99727	7.12545	7.57741	7.46717	7.47951	7.53886	6.35133	6.91292	7.34748	7.64614	7.68357	7.32054	7.47068
ARL4A	8.65511	7.60433	7.64471	8.15613	8.70701	8.78035	7.41057	8.22892	8.73312	8.0815	7.96289	5.30024	7.51914	8.57771	7.79926	7.51548
ARL4C	6.16231	6.19045	6.36158	6.3757	6.46387	7.64214	6.29785	6.04806	7.57827	6.16754	6.53649	6.6557	7.08431	6.91774	7.70673	6.36854
ARL4D	5.1147	5.01217	4.92282	4.76487	5.05722	4.95874	4.03299	4.42232	5.53096	5.8117	6.29331	4.16955	5.41755	4.88962	5.7242	5.64784
ARL5B	6.74984	6.48913	7.44793	6.71775	7.20912	7.21764	6.92002	7.154	7.10941	6.72452	7.5749	6.55905	7.42028	6.88989	7.24474	6.74298
ARL5C	6.44898	5.84809	5.81566	4.10198	5.8529	5.00186	6.94086	6.09911	6.09438	6.61308	5.39741	5.79149	4.63261	6.3934	4.24348	5.54772
ARL6	7.10941	6.25466	5.30223	6.59344	6.48757	5.96948	5.83086	6.04916	6.29404	5.93927	5.41552	5.24956	6.45463	6.73406	6.88484	5.58532
ARL6IP1	9.3245	9.62422	10.1211	9.34754	9.92829	9.91339	8.97832	9.819	9.75555	9.21192	9.91866	9.66055	9.59898	9.06514	10.1334	10.0259
ARL6IP4	8.95531	9.22423	8.02733	8.91763	8.44434	8.79299	8.70368	7.63101	8.17389	8.61099	8.94422	9.84942	9.05286	9.80678	8.59531	8.56669
ARL6IP5	9.32203	9.73939	9.84358	9.54485	9.50874	9.13069	8.22616	9.1743	9.89971	9.82345	9.46237	9.52327	9.21274	8.91327	9.01865	9.35677
ARL6IP6	7.92001	7.77298	7.77186	7.5985	8.48462	7.74678	8.21557	7.9074	7.78156	7.11951	8.15642	7.10969	8.68047	8.11669	8.69613	8.84184
ARL8A	6.36044	5.96305	7.13648	7.18742	7.0852	7.12124	7.31977	7.64967	7.44413	5.23031	7.25522	6.29302	7.11476	5.28258	7.42126	7.11898
ARL8B	9.08188	9.77064	9.24021	8.84687	9.59327	9.0354	10.0897	9.86158	9.92568	9.34108	10.0604	8.89342	9.48779	8.84034	9.17582	9.74393
ARL9	3.80647	3.09358	3.72982	3.39777	6.56339	3.4746	3.20323	3.80483	3.57258	2.83032	3.84453	3.57258	5.90923	3.16811	3.30762	6.49899
ARMC1	7.42907	7.67366	7.99096	7.43858	8.38345	7.71102	8.43726	7.81112	8.24933	7.87611	7.8991	7.18753	8.13389	8.05538	8.45546	8.43012
ARMC10	6.70731	7.18064	5.68688	6.83089	7.40123	6.82532	6.67897	7.34189	7.76523	7.06434	7.61253	6.78945	7.50206	7.17165	7.74011	7.99727
ARMC12	3.64066	3.55786	4.4962	4.41415	6.6623	4.96429	6.15474	5.96948	5.63045	5.49383	4.3732	5.53814	2.6465	5.82543	5.85419	5.52883
ARMC2	8.10844	7.14347	6.42535	7.41188	6.43539	5.96359	6.47461	6.46387	6.59326	6.71999	5.47955	6.06808	5.87016	5.62176	6.22039	5.96219
ARMC3	10.3792	8.62832	3.9258	9.46666	5.75909	6.01466	4.95627	4.67765	7.06673	2.38782	3.47644	6.25576	3.93646	5.82241	4.73809	5.41917
ARMC4	7.94154	7.12611	4.60918	8.27303	4.87985	5.14009	4.62869	5.23078	5.18876	4.95264	4.42448	6.30673	5.91054	5.18222	4.60422	5.10247
ARMC5	6.33556	6.56664	6.90283	6.45822	4.93594	6.12611	6.23636	7.11159	7.22787	6.34438	6.06123	6.97213	5.72664	5.31211	6.63063	5.35438
ARMC6	6.75043	6.90121	6.14165	6.69435	6.92033	6.79557	6.85882	6.5296	6.44006	6.61785	7.19625	6.7959	5.41867	7.24638	6.89221	7.23538
ARMC7	7.58424	7.38684	7.09703	7.04198	6.86297	7.27394	6.98711	7.322	7.47334	6.38617	7.07424	7.84908	7.37995	6.7888	6.9723	7.07057
ARMC8	5.96143	6.09786	6.65253	6.432	6.633	6.2599	6.0936	5.80863	6.118	5.90626	6.3929	5.78989	5.68176	5.56061	6.44143	5.85398
ARMC9	5.23355	4.0977	4.65251	4.29676	4.91702	4.14331	4.02241	4.8578	3.92656	4.60263	4.11808	3.6392	4.30655	4.7474	5.01553	4.52704
ARMCX1	7.43963	7.31058	8.41394	8.15189	8.05195	9.06301	7.43992	7.67251	7.77471	8.88559	8.06928	7.40169	8.32492	6.50205	8.14486	7.67813
ARMCX2	6.40707	5.28996	7.25205	5.69175	6.03933	6.18	1.63196	4.47773	5.21762	9.09834	5.21642	6.78488	2.94778	3.14828	3.9523	5.52649

ARMCX3	9.08007	8.82383	10.5826	9.42229	8.5569	9.12067	8.39497	9.11939	9.57128	10.4176	8.86001	9.03229	8.4703	7.92948	8.82383	8.17211
ARMCX4	4.33745	4.9001	5.03715	4.23371	5.04437	4.24058	4.57737	4.98248	4.68296	5.23146	4.70767	4.29501	4.85056	4.13837	4.63841	5.01527
ARMCX5	7.60818	7.50769	7.11849	7.38917	7.54789	7.72798	7.10969	7.56462	7.3591	7.70673	6.8133	7.33702	7.48402	7.20528	7.18281	7.79974
ARMCX6	7.36428	7.24537	6.7418	7.24319	6.95444	7.27505	6.60839	7.28212	7.20472	7.28781	7.154	7.13187	7.15354	6.51112	6.40207	6.76425
ARNT	5.18175	4.65754	4.94502	5.05229	4.86411	4.99664	4.96826	5.0963	5.21117	4.71717	4.97329	4.81338	5.00322	4.80964	5.01906	5.03203
ARNT2	5.76629	6.20144	6.63002	5.88508	8.5267	8.43507	8.44542	5.62022	4.5431	4.92142	6.29956	7.57212	6.95599	8.56598	8.17965	7.41008
ARNTL	4.50197	5.78724	6.25692	6.47449	5.70234	6.70196	5.86926	5.438	6.56571	5.58617	6.25012	5.60281	5.49147	5.81525	4.51886	5.59856
ARNTL2	4.5785	5.28856	4.4613	4.71459	7.30165	4.6666	6.63039	6.35947	5.91721	3.6899	6.70042	5.62406	7.10241	7.06893	6.40964	5.992
ARNTL2-	2.08404	4.51165	2.40841	4.28639	1.77016	4.2803	3.64382	2.30474	4.34561	2.42411	3.981	3.21231	3.90551	1.88842	2.14289	3.71736
ARPC1A	8.0588	8.50217	7.90087	7.55964	8.1843	7.29617	6.78172	6.88191	7.63045	8.54257	8.68947	8.14826	7.95464	7.8378	8.44434	8.42897
ARPC1B	9.73221	10.5124	10.4094	9.88284	9.73939	9.09448	8.8088	9.00855	10.4489	8.86638	10.5313	10.6392	9.66375	9.81371	9.9611	9.60515
ARPC2	10.6816	11.3155	11.4424	11.1818	11.7002	11.0674	10.8297	11.1434	11.4345	10.429	11.4504	10.8808	10.9359	10.8912	11.602	11.565
ARPC3	9.67089	10.2283	10.0667	10.6461	9.95833	9.65881	9.56208	10.9309	9.83943	9.3797	10.6816	8.7381	10.2804	10.2459	10.429	10.032
ARPC4	6.9634	6.61672	6.01651	5.18508	7.05741	6.64819	5.37911	5.97716	7.17043	7.06996	6.45116	5.21721	7.30789	6.53673	6.50736	7.28911
ARPC5	7.19009	7.96489	8.01856	7.98956	7.51379	7.12429	7.47068	8.01856	8.11688	6.8657	7.98571	8.22781	8.25123	7.69258	8.06352	8.03847
ARPC5L	8.76514	9.3245	9.26978	9.24021	8.97278	9.04668	8.46765	9.46771	9.46135	8.37894	10.0051	9.66572	9.02285	9.07809	9.01766	9.35829
ARPIN	4.99281	5.98188	4.97661	5.33811	4.68457	4.86274	5.47909	4.78378	5.07404	5.06692	4.87494	4.84753	5.31079	4.85291	4.4821	5.55652
ARPP19	7.10353	7.3061	7.70966	8.11781	8.09882	7.26483	5.85641	6.73309	7.10804	6.81306	8.07239	7.24319	7.76606	7.98398	7.92634	7.82748
ARPP21	2.14882	3.1863	2.57956	2.63003	3.19822	3.43252	2.60031	2.96699	2.66394	2.41185	3.0472	3.40102	3.39411	2.87745	2.73963	3.11416
ARR3	3.77751	5.78029	3.44341	5.5717	5.0289	3.68688	4.16126	5.89117	6.51937	5.12105	6.59326	6.36281	3.91647	6.03949	6.36004	5.05688
ARRB1	5.65222	6.1024	6.15777	6.00736	5.52597	6.43573	5.9817	5.82355	6.35231	5.97388	6.47531	6.46826	6.07744	5.92895	5.75373	5.52175
ARRB2	2.55807	4.55696	5.34576	5.3149	5.37462	3.5856	1.37571	2.34717	4.32124	2.66614	4.80248	1.84666	4.80971	2.79431	1.94998	2.7492
ARRDC1	5.09969	4.79981	3.30838	3.67703	3.84644	3.83857	2.60305	3.093	4.81597	4.77053	4.14797	4.89066	4.97556	5.15911	4.35425	4.43413
ARRDC2	7.8948	8.07912	7.54087	7.74821	7.25999	7.83372	9.13351	7.03877	7.94351	6.67555	7.3866	7.98688	6.94742	8.20888	7.04923	7.62466
ARRDC3	8.40816	8.32702	9.30365	9.19438	8.03444	7.64555	7.59703	6.32223	8.04267	8.63421	7.65586	7.32176	7.70063	7.50275	8.54511	7.0622
ARRDC3	5.58309	4.90452	5.26316	6.25347	6.32149	5.67044	5.65558	5.17376	6.43335	4.52838	5.42673	6.44381	5.74383	5.31211	5.56599	5.85334
ARRDC4	7.50009	7.53993	7.44394	7.14464	8.42097	6.49631	6.2336	7.0306	7.38264	7.28032	7.42635	6.34341	8.65235	5.34223	7.69819	8.02537
ARSA	3.837	3.40918	5.15954	4.07262	3.57129	4.25116	2.33731	4.10404	4.88123	5.40326	5.34065	6.38642	4.09572	3.65286	3.45942	4.3125
ARSB	4.12179	4.11808	5.01102	4.25647	4.28687	4.48624	5.31789	4.94242	5.11608	4.91737	5.33359	4.42997	4.978	4.57105	5.17003	4.67745
ARSD	7.14679	6.24308	6.53987	7.20792	6.0522	6.77706	6.92033	6.68175	6.64633	6.86793	5.76467	5.84569	6.29331	6.59719	6.47754	6.5801
ARSE	3.75698	3.4933	3.84282	3.6357	3.83175	3.03288	5.31867	2.78286	3.75611	3.60777	3.99549	5.61554	3.72312	4.63315	3.56833	3.95427
ARSF	4.70625	4.55111	4.37426	5.95153	3.24511	4.89474	4.48301	5.10007	3.71298	4.60892	2.99709	3.51602	5.81769	4.44205	6.39379	3.13394
ARSG	4.56723	5.84922	5.57103	5.38244	5.37522	5.32026	4.19358	5.36229	6.04684	5.8566	5.85187	5.54756	4.24079	4.35094	4.18954	5.66158
ARSI	2.23882	2.10562	2.65267	3.41062	3.2065	2.39513	1.80024	2.46648	3.04535	2.15841	3.37552	3.00642	1.59204	2.97219	2.881	2.47807
ARSJ	4.66752	5.95444	5.54219	4.18478	4.87854	5.37312	3.03237	2.2672	1.87545	5.72202	5.81147	2.76999	4.95919	2.88516	4.64949	4.44959

ARSK	5.2058	5.97927	5.41177	5.85667	4.7581	5.03965	5.47752	6.28053	5.18	5.43626	5.49685	6.14215	6.16097	4.61091	5.91135	5.40153
ART1	5.73868	5.96658	5.91335	5.44882	5.41489	5.65403	5.54309	5.89189	5.04565	6.00079	5.90223	5.72333	5.9363	6.27668	5.2531	6.31597
ART3	5.34559	4.51165	5.75259	4.53637	6.77394	4.69149	5.20807	4.85984	5.84835	5.81071	5.9118	5.97829	7.72891	5.41453	5.84343	6.1129
ART4	3.55672	5.2591	4.51245	4.31594	4.48075	4.27105	5.08944	5.02586	4.93366	4.80009	4.18954	5.40477	4.53029	3.18969	5.53739	4.98208
ART5	4.97697	3.47417	4.07777	4.14041	4.04328	3.42836	3.20323	4.16157	3.72995	3.91319	5.22953	3.99715	4.58588	4.17756	4.17392	4.80528
ARTN	6.36178	5.42456	6.74577	5.91519	5.79724	6.35231	5.76118	6.41511	6.31261	6.34299	5.17906	5.98786	6.79793	5.60339	6.26392	5.47877
ARV1	6.63133	5.51686	4.86049	5.9554	5.81705	5.95105	5.58393	5.26722	6.46565	6.01778	5.96858	5.35171	6.16713	6.01839	5.36028	6.04259
ARVCF	6.18773	6.14022	6.62636	6.19313	5.43505	5.91749	5.93233	6.12151	5.8361	5.82855	5.88734	6.16281	5.46878	6.03493	5.878	5.36831
ARX	6.19751	6.86006	6.42602	7.34834	5.76203	4.95776	5.53088	6.3346	6.62237	6.23343	5.76786	5.62634	4.64822	5.54563	5.03965	7.1053
AS3MT	5.35597	4.97582	5.64993	4.82835	2.81309	3.65332	5.20807	5.82506	5.10973	5.45776	3.29289	4.38384	4.46058	2.70047	6.02255	5.51657
ASAH1	7.96786	8.52475	8.23349	7.94931	8.36324	8.10456	8.22214	8.45387	8.79229	8.42381	8.49612	7.80077	8.22834	8.18097	7.50769	7.93038
ASAH2B	3.99122	4.14906	3.99254	3.32841	4.32759	4.5224	3.90824	4.29414	3.98788	4.24836	4.54077	3.56896	3.87456	3.99858	4.17188	3.64011
ASAP1	6.21022	6.66742	6.95695	7.00217	6.96254	7.2924	7.23189	7.04276	6.77096	5.59425	6.85972	6.43347	6.70784	6.95215	7.21066	6.99097
ASAP1-I	5.30253	3.75879	5.91869	5.44477	4.45424	4.89942	6.1336	3.91364	4.06039	5.35699	5.35772	5.07511	4.59673	6.0005	6.48329	3.97214
ASAP1-I	5.99641	5.72757	5.44533	5.65354	5.32934	5.77708	6.18212	5.70528	5.90229	6.03991	4.57021	5.20401	6.15941	3.68528	5.43322	6.01582
ASAP2	8.234	7.94249	8.10844	7.62016	7.76058	8.92258	9.51986	8.12453	6.25491	8.64636	7.61683	6.66367	7.3695	8.28067	7.75375	8.2984
ASAP3	6.04073	5.54511	5.30826	4.80155	5.26131	4.71878	7.80888	4.33103	4.43705	7.54948	6.45276	4.3523	4.90027	5.82082	6.82022	4.73656
ASB1	5.56324	4.78582	5.25786	5.46994	6.35963	5.42546	5.21864	4.5052	5.3021	5.41552	5.71141	5.07665	3.5519	4.93594	5.73868	5.66845
ASB10	3.7942	3.73314	3.63349	4.2027	3.72561	3.1965	4.26185	4.05776	3.70161	3.47114	3.2892	3.95025	4.54821	3.55262	4.30055	4.196
ASB11	5.01394	3.90521	4.15658	3.44117	5.50938	5.05836	4.30475	4.95679	2.35886	5.57542	2.68367	3.78165	2.36805	5.50599	3.80377	5.07126
ASB12	5.56456	5.19457	5.68932	5.68446	5.68081	5.85098	4.85299	5.9856	5.57542	6.01426	6.08974	6.36129	5.63427	6.11917	4.9796	5.91054
ASB13	9.68343	8.65431	8.36968	9.14498	9.19751	8.2586	8.55452	8.13249	8.58018	8.75665	7.78519	9.70398	8.24403	9.11102	9.15617	9.43005
ASB14	5.75589	5.95579	6.10396	6.90487	5.93233	6.69265	6.54516	6.05731	6.36933	6.2401	6.34979	5.78459	6.57801	6.60175	6.50219	5.60353
ASB15	4.57039	4.98706	5.32994	4.60376	5.25573	5.43973	3.12496	3.52249	4.80597	5.27076	4.72254	5.83056	5.45858	4.51886	5.61273	4.45493
ASB16	5.63462	6.22783	6.42694	5.09667	6.22371	5.92343	5.70528	6.95912	7.02591	6.48874	7.32884	6.9745	6.55426	5.75347	7.17584	5.75171
ASB16-A	6.59933	7.34597	6.67968	7.08717	6.25719	7.10409	6.97076	6.98885	6.42327	7.00339	7.07769	7.09327	7.19916	6.90032	6.9154	6.60618
ASB17	5.23193	5.37412	5.10852	4.88936	5.23021	4.79793	5.60339	5.8463	4.85113	5.15888	5.27518	5.40205	5.63427	5.4626	5.37911	3.55993
ASB2	4.17234	5.02124	5.68604	5.44224	5.08968	5.26248	5.24618	5.17093	4.92411	5.56005	4.56572	3.50285	4.4879	4.69108	4.62788	4.55979
ASB4	3.74274	3.55069	3.16009	3.56937	3.21549	3.13781	3.72912	3.32317	3.37829	4.19766	3.61335	3.3464	2.85667	3.5809	3.66604	3.35919
ASB5	3.58775	1.09002	3.30294	4.69677	4.18809	3.67619	1.18021	4.39881	1.92414	5.00386	3.84453	2.24796	2.29255	5.0094	1.4899	4.61466
ASB6	5.1459	6.76269	5.96577	6.92337	6.71622	6.54841	6.41274	6.38216	6.2407	6.40673	6.59372	7.25051	7.06255	6.94672	6.70913	6.95167
ASB7	6.10097	6.23412	6.28402	5.90945	6.6142	5.67169	5.83541	6.69244	6.66994	6.02379	6.66257	5.9769	6.71983	6.70933	6.70707	6.72905
ASB8	8.26668	8.41276	8.62243	8.42344	8.35093	7.80586	7.36816	8.05225	8.12631	8.63335	8.03572	7.58648	7.77298	8.57221	8.40792	8.04348
ASB9	6.387	6.09276	5.46755	5.8358	7.40581	6.42644	7.14603	6.96357	7.54401	6.03991	5.59567	5.18234	6.8233	7.37708	6.24927	6.57151
ASCC1	6.88974	6.88841	6.34809	6.33025	7.39238	6.6142	4.87924	7.53993	6.84758	6.32349	7.28113	6.16959	7.35571	7.41994	7.35884	6.56339

ASCC2	6.50961	5.12855	4.32665	3.73945	3.91616	4.30395	3.53968	4.20991	6.22177	7.3511	6.83822	4.44519	6.51043	6.26114	4.01749	4.11853
ASCC3	6.60701	6.8336	6.65093	6.65226	7.5598	7.26291	7.5049	7.31941	7.19128	7.46031	7.42706	6.43077	6.99839	7.29391	7.68215	7.13904
ASCL1	3.34714	4.16643	4.23787	3.64695	3.40514	4.04173	4.00025	3.65902	3.44368	3.837	3.87292	3.54873	4.2746	4.01654	3.82924	4.37613
ASCL2	2.35543	3.29136	2.30728	2.74745	1.16395	2.2279	2.43959	2.25875	3.41769	3.08599	4.33509	2.61517	3.60751	3.6691	0.71928	3.09851
ASCL3	7.19095	6.27768	4.09823	6.61749	4.73152	5.28652	5.85864	6.61839	3.76729	3.62321	4.8528	5.75568	6.71024	5.5659	5.94351	6.52183
ASCL5	1.60375	1.71163	2.04684	2.22193	1.73976	2.48692	1.80024	1.51119	1.87545	1.82992	1.98377	1.77016	2.34547	2.18939	2.00801	1.92725
ASF1A	7.25259	8.00923	7.52217	7.90366	8.38858	7.5095	7.21241	7.49252	7.58117	7.02171	6.95167	6.67897	8.40549	7.73582	7.82536	8.15045
ASF1B	5.94267	6.67817	6.28952	6.20878	6.54459	6.80239	7.06915	6.75429	6.71324	4.63184	7.54261	6.63119	7.23795	7.27283	7.3425	6.95806
ASGR1	2.70064	3.67703	3.59844	2.38778	2.9933	2.81599	3.03237	2.52957	3.09248	2.95492	6.5187	3.78165	3.68721	2.70047	2.45708	3.01871
ASGR2	5.41746	6.15228	6.03781	5.28957	5.60384	6.66023	5.96182	5.11563	5.95809	5.69927	7.66453	6.3317	5.70553	6.05846	3.8556	6.12053
ASH1L	8.39387	8.28199	9.18711	8.63946	7.5578	8.61036	9.11102	7.8754	8.58624	8.43264	7.71882	8.05719	8.037	8.00403	8.81055	8.66567
ASH1L-A	7.54204	8.07239	7.2601	8.055	8.33525	7.64645	6.96254	8.65312	8.66602	7.34509	8.01323	8.19323	8.63028	7.26649	8.13158	8.88035
ASH2L	8.33277	9.43496	8.45101	8.59487	9.70398	8.91007	8.44703	9.18833	9.06301	8.28408	9.4889	9.41817	9.15368	9.10997	8.66851	9.44929
ASIC1	6.60878	5.18485	4.88484	5.54665	4.19903	4.25116	5.00773	4.19082	5.17777	5.244	5.47715	5.72497	5.03113	4.17338	5.14061	5.60113
ASIC2	3.06503	2.67513	4.9024	3.13915	2.33881	3.391	3.93793	4.11111	3.33041	5.23982	4.63208	3.75239	4.46058	3.57546	2.95994	3.34078
ASIC4	3.16429	3.38769	3.99755	2.67969	2.76484	3.54848	3.35187	2.78286	2.13825	3.95892	2.93839	2.93048	2.81611	2.86263	2.29341	2.4366
ASIC5	4.78107	2.29438	2.93758	2.4789	4.4943	3.85447	3.58877	4.67765	3.87677	3.172	3.43836	4.86421	3.19903	2.68036	2.72952	4.79506
ASIP	3.47335	5.10822	5.04282	3.80706	2.10233	3.46064	3.35187	4.31688	4.53517	5.17323	3.82899	5.06679	3.62729	5.41453	4.39203	5.12804
ASL	8.03911	7.31863	6.74019	7.15615	6.40172	6.39244	6.61966	6.14716	6.15753	7.17199	7.46989	7.4189	6.39618	6.99889	5.954	6.69314
ASMT	4.00732	2.7835	3.55491	3.61885	4.08241	3.61082	4.61448	3.6493	3.10351	3.90025	3.73244	3.44577	3.42813	2.46901	3.96967	3.18069
ASMTL	7.42946	7.65295	7.12512	7.35004	7.15566	7.38369	7.86066	7.23812	7.70099	7.73058	6.78294	7.7737	7.34672	7.20013	7.27909	7.24192
ASMTL-A	5.39886	4.99931	5.68558	5.83661	5.10572	4.9576	5.00608	5.75395	5.27976	4.78069	5.9206	5.93344	5.41963	6.00366	5.41393	5.66954
ASNA1	5.90876	5.81135	5.14525	6.22736	6.66709	5.16359	5.46222	4.27613	5.16507	3.66644	6.37487	6.13964	6.26776	5.68401	5.19592	5.64846
ASNS	4.44183	5.04401	4.75492	4.26297	5.7874	5.33971	6.20404	5.13872	4.52512	5.54715	4.01736	4.6913	4.74559	5.19221	5.14034	5.18643
ASNSD1	8.97472	8.9238	9.27726	9.50044	10.0897	8.41365	8.15216	8.6216	8.77437	9.54936	9.31733	8.56997	9.10997	9.22423	10.1887	10.0756
ASPA	4.22194	4.86906	4.66023	4.35008	4.30155	3.93018	3.9636	4.43243	4.33153	5.55165	3.68203	4.1501	3.45724	4.80946	4.02048	3.96598
ASPDH	5.02649	4.98301	5.0199	5.44738	4.99272	6.60536	4.61163	5.37333	5.20282	4.11891	4.88165	6.51043	5.40842	4.84227	5.03455	5.36023
ASPG	2.42051	2.70876	2.78405	1.81697	2.64592	2.68598	2.62506	2.97075	2.33387	2.70549	2.65754	2.82223	3.84757	2.94457	2.42411	2.21086
ASPH	5.92913	5.65592	5.65616	5.45997	6.05051	5.45924	6.40989	5.17108	5.50521	6.48665	6.08654	5.41489	5.64679	6.09622	5.95207	4.98706
ASPHD1	3.7517	4.25526	4.2689	4.40279	4.45311	3.94907	4.48593	4.56572	4.49127	4.85367	3.95757	4.52011	4.92903	5.82161	4.31334	5.11563
ASPHD2	6.65787	7.34444	7.75735	6.81012	6.56625	7.55529	6.90974	7.99984	7.35068	6.26907	7.90707	7.49279	6.55232	6.64708	6.50664	6.17202
ASPM	4.5224	4.57233	6.2778	5.01078	6.79309	6.45625	7.30272	5.50359	7.17234	4.9847	7.42749	5.96497	6.4921	5.86	6.64649	7.43511
ASPN	4.47294	5.7212	8.3687	6.58914	7.43963	5.39993	4.82307	6.1677	4.67447	4.94105	4.96737	4.6971	5.04772	5.96608	7.18439	5.67796
ASPRV1	7.03614	7.10829	7.42208	7.34076	6.86618	6.96582	7.90074	7.41725	7.05484	7.35953	7.89942	7.22499	6.89331	7.29274	7.06373	6.56229
ASPSCR1	4.28431	2.65522	2.55526	3.17801	3.10976	2.42212	2.61298	2.46648	3.48123	2.34717	3.12278	4.02412	2.81611	3.12884	3.51602	2.90822

ASRGL1	8.22174	8.41433	8.15363	7.66647	6.43728	7.07031	7.64985	7.51009	7.2798	8.66637	7.41057	7.55999	5.46016	8.11781	5.39366	5.62822
ASS1	10.9118	10.8485	10.0552	10.2583	8.32786	8.3341	10.552	8.48679	10.6212	10.5711	9.43764	9.23508	10.4094	9.0488	9.99394	8.04887
ASTE1	2.50129	3.24563	4.17548	3.13915	2.76484	4.06264	2.98815	4.19473	2.95663	2.72148	3.08532	4.39323	2.62575	1.92414	5.20755	2.84751
ASTN1	4.59471	4.86383	4.89489	4.94042	4.87061	4.89066	5.01022	4.98541	5.18657	5.80026	4.81597	5.37322	4.73116	5.14737	5.34383	3.70541
ASTN2	4.49326	4.26465	4.82056	4.38754	3.69726	4.36795	4.16003	3.36671	4.46555	4.65312	3.52683	4.28727	4.07985	4.99958	5.24782	4.57882
ASUN	7.75274	8.30405	8.68947	8.29715	10.4362	7.4535	7.63318	9.24769	8.34166	8.23349	9.57938	7.7028	8.51429	8.76701	9.48636	9.13921
ASXL1	6.35836	6.89606	7.30433	6.78095	6.42461	7.19334	7.1585	7.00686	7.00326	6.90439	7.94023	7.07467	6.62771	6.38394	6.81668	7.03779
ASXL2	6.06561	6.26293	6.46888	6.36534	6.06141	6.38118	6.32382	5.85146	6.13977	6.36788	5.75357	5.64894	6.13381	6.24726	5.85911	6.44083
ASXL3	4.64769	4.07985	4.55848	5.00304	3.90987	4.78582	4.8471	5.21453	4.72363	5.76588	4.33695	4.62927	3.78217	4.49898	4.73894	4.2792
ASZ1	4.68509	4.38909	4.42592	2.95827	3.52527	1.81697	3.90378	3.74908	4.2251	1.49394	4.13909	2.34474	3.32016	4.31831	4.4329	3.52431
ATAD1	6.98738	7.00217	7.22787	7.03987	7.03457	7.00326	6.08253	6.6643	6.62027	7.86001	7.03578	6.841	6.68643	6.93914	7.28113	7.12084
ATAD2	5.61277	5.68623	5.90202	5.18074	6.34789	5.81836	7.24729	6.25282	7.01721	4.68387	6.46461	5.22506	6.27927	6.62321	5.64371	6.97383
ATAD2B	4.56473	4.6656	5.18567	4.63084	5.54686	5.77092	5.75607	4.92713	5.41468	5.50787	5.45997	4.04505	5.77873	5.31511	4.62869	5.60724
ATAD3A	8.36147	8.15443	8.02205	7.72445	6.82191	7.94708	6.99133	7.83137	7.24063	7.61925	7.88283	7.76286	7.94585	8.38007	7.52498	7.76072
ATAD3B	6.5732	5.53716	6.38382	5.4188	4.58758	4.50053	5.38125	4.87799	6.10124	6.43637	6.57275	6.91735	6.19135	6.63967	5.62147	5.57534
ATAD3C	6.60956	5.65446	3.49445	5.8181	5.43993	5.99268	5.01511	4.27613	5.13395	5.68265	4.98132	5.76752	4.59065	5.60866	5.31905	5.77004
ATAD5	3.89772	3.45279	2.3147	2.55745	5.19885	4.79243	6.12515	6.3928	5.33269	2.50603	6.16296	4.30571	6.06561	4.64607	5.83977	5.2085
ATAT1	3.53131	3.26332	3.47527	2.92926	4.65943	3.52918	3.21196	3.86022	3.67301	2.78286	3.81566	4.0687	3.24511	3.5519	3.99526	3.97703
ATCAY	5.11171	6.56207	5.1385	4.67088	5.59446	5.0543	5.98416	6.48794	5.92206	5.68695	6.55245	5.14665	6.23157	6.25888	6.44881	6.0088
ATE1	5.34383	5.65752	5.23487	6.17147	5.61854	5.37458	5.81398	5.55632	5.32945	5.5705	6.06551	5.20516	5.52822	5.04878	6.27038	5.10291
ATF1	6.98593	7.54991	7.64388	7.18473	7.59541	7.59906	7.98209	6.53227	7.33842	6.79214	7.70787	7.48872	7.43906	7.08431	8.06065	7.80021
ATF2	5.13767	4.65119	4.89629	5.67071	5.37003	5.70326	4.89016	4.88909	4.97356	5.049	5.21937	4.97356	5.44001	5.129	5.50938	5.22324
ATF3	7.30272	7.37885	7.5383	7.47174	7.22111	6.67664	6.52754	6.91907	7.77814	7.49393	6.83262	7.57059	7.45743	7.72349	7.41439	6.94672
ATF4	10.2667	10.7876	11.2398	10.6769	11.3999	10.9118	11.3999	11.5015	10.9503	11.5751	10.3765	11.2822	10.942	11.741	10.9164	10.6816
ATF5	4.58359	4.78407	4.28869	4.39393	5.49899	4.53092	5.99529	4.78521	4.69896	5.07278	5.50757	5.48246	5.32945	6.95897	4.90058	4.87993
ATF6	5.72103	5.70136	6.61328	5.81102	5.74261	6.39959	6.95897	5.25428	6.46809	6.50241	6.03191	5.65907	5.46793	5.51387	6.55009	6.09904
ATF6B	4.53	4.39265	5.56916	5.19701	5.4303	5.39161	5.39911	4.68565	5.17437	5.44017	4.48984	5.10822	4.90967	5.13806	4.42491	5.03914
ATF7	4.92917	5.2999	5.53829	5.6426	5.57066	5.40753	4.53474	4.73321	5.16332	5.3608	5.73584	6.08113	5.16375	5.57239	5.57613	5.74127
ATF7IP	7.87611	7.60658	8.10916	7.89062	7.67251	8.02057	7.83323	7.32029	7.93861	7.80622	7.64031	7.48502	7.2685	7.62888	7.6884	6.96229
ATF7IP2	8.41793	8.21298	8.31053	8.24208	8.14058	7.99918	8.77851	8.67057	8.04543	7.70349	6.90659	7.70022	7.78225	8.19574	7.20629	8.08385
ATG10	5.43322	4.77152	5.01217	5.51451	4.46349	4.46077	5.05229	4.65881	4.71531	5.23842	5.34551	4.88734	5.64043	6.07446	4.95609	5.92381
ATG101	8.48395	8.13277	7.9765	8.14952	7.72015	7.51294	7.20671	7.0306	8.12177	8.93625	8.52577	8.49885	7.81563	8.52526	6.80181	7.76849
ATG12	6.36727	6.53697	6.57567	6.48478	6.3871	6.65193	6.63146	6.20086	6.44164	6.44984	7.2181	6.06179	6.8099	6.26266	6.13852	6.60033
ATG13	6.39556	7.55453	6.77805	6.80087	7.15053	6.80627	6.76973	6.52354	7.33464	7.70384	6.71574	7.61653	7.14639	7.65794	7.19009	6.70223
ATG14	7.90604	7.52542	7.62923	7.93267	8.50035	7.69886	7.64749	8.1692	7.12474	7.67064	7.18152	6.75482	7.66787	7.84852	7.8749	7.40094

ATG16L1	4.07595	4.68985	5.0986	4.00429	4.17869	4.52704	3.06644	2.85037	4.27526	3.78955	4.52416	3.84644	3.29289	3.44194	4.13561	3.6792
ATG16L2	4.44278	5.48664	5.07061	5.60476	4.6631	4.04356	4.04407	4.2931	4.41812	5.33296	5.37077	6.09956	4.71261	3.51167	4.68985	4.71122
ATG2A	7.73876	8.10936	7.83449	7.48663	7.68328	7.96389	7.84266	7.79216	7.72056	8.03957	7.85385	8.68454	8.35376	7.78199	7.44046	7.92927
ATG2B	6.90952	6.91272	7.16929	6.62571	6.69731	6.69	6.24252	6.39176	6.82071	7.26032	6.90726	6.85882	6.66059	6.3281	6.92598	5.91964
ATG3	7.26381	8.29871	8.12568	8.18994	8.19059	7.99279	7.84852	8.76316	8.3979	8.49271	8.56452	7.98356	8.31415	7.54819	8.52405	8.02477
ATG4A	7.4124	7.46202	7.27505	6.50038	7.01562	7.22695	7.36484	7.54069	7.48729	8.02161	7.12234	6.87459	7.39005	6.87129	7.75375	6.30604
ATG4B	7.9765	7.89038	8.14417	7.68546	8.13492	7.74011	7.87079	7.98921	8.06643	8.0913	7.76765	8.4102	7.94524	8.30207	8.07912	8.03245
ATG4C	3.09851	3.30026	5.87203	4.93594	7.10517	6.30069	6.71904	6.64123	6.62111	7.0693	5.7102	5.35438	5.537	6.58555	6.45116	5.39922
ATG4D	7.34951	7.00506	6.89158	7.04654	6.59688	6.82876	7.464	7.54069	6.76605	6.66963	6.54875	7.66888	7.32358	7.5386	6.86877	6.95806
ATG5	7.09339	6.97684	7.23391	7.41593	8.00083	7.36361	7.32427	6.94742	7.04051	7.131	7.26714	6.73522	7.64214	7.24192	7.48402	7.28595
ATG7	5.47673	5.43118	4.8766	4.83812	5.96804	5.1312	4.46366	5.25333	6.65525	5.62606	6.33933	5.62053	5.02274	5.01322	4.59823	5.69545
ATG9A	7.84604	7.48498	7.53761	6.7628	7.72821	7.56065	7.37482	7.45236	7.89141	7.8802	7.51319	7.29287	7.38443	7.75503	7.91603	7.58232
ATG9B	5.36928	5.9579	4.60222	5.20269	4.96487	4.34817	4.1861	4.4039	5.08609	5.38902	4.24079	4.99281	4.65034	5.483	4.59267	4.81941
ATHL1	7.13353	7.10887	7.19719	7.50877	7.5206	7.85698	6.31657	7.57724	7.88305	7.18606	7.18562	8.41541	6.89616	6.18489	7.36361	7.19414
ATIC	8.7381	8.76878	8.63717	8.69038	9.68026	8.72521	9.0707	9.37224	9.44859	8.53771	9.13351	8.41922	9.38644	9.78666	9.84759	9.80267
ATL1	7.55124	7.33768	7.46102	7.24687	7.17743	6.51983	7.5931	7.42749	6.20487	8.43314	6.62461	6.86898	6.7905	6.65845	6.89428	7.99046
ATL2	4.61534	5.86411	4.26827	4.34289	6.72985	6.18419	6.84206	6.24968	6.68886	5.79922	6.19135	5.72995	6.34004	6.62374	6.32441	6.35574
ATL3	4.45556	6.16152	5.72647	5.65844	5.95223	3.97051	3.96394	5.13711	6.04851	5.49659	6.57598	3.20546	5.85107	5.09584	5.77035	4.96879
ATM	5.59486	5.05678	5.00335	5.71111	5.20073	5.2742	5.45776	5.68558	4.77548	5.35851	5.12847	5.39029	5.81553	4.07985	5.89522	5.31858
ATMIN	7.62564	7.71776	8.13873	7.17104	7.98156	8.16376	7.56096	8.38789	8.02694	8.30659	7.26681	8.08406	8.29264	7.86345	7.96702	7.96246
ATN1	4.68925	5.33875	5.08724	5.01758	5.53039	5.69083	5.55338	5.61448	5.57261	5.35492	5.71171	5.17075	5.82532	5.58825	5.4639	5.32985
ATOH1	1.64611	2.99228	2.33881	2.31308	1.88842	1.85868	1.95222	2.17246	3.11326	2.07832	2.43603	3.77334	2.7752	3.58891	2.86345	1.89302
ATOH7	2.29205	2.25006	2.06965	1.59595	1.50513	3.36917	1.58613	2.92084	2.82223	2.89649	3.24115	3.58662	1.87732	3.30309	3.27248	3.59749
ATOH8	7.20792	7.25418	7.48264	6.77172	6.79073	7.26915	6.95773	7.36089	7.07295	7.23912	6.80543	7.14735	7.0227	7.03954	6.5732	6.99217
ATOX1	8.434	9.4206	8.27821	8.44366	8.15735	8.8528	9.87044	10.0552	9.13862	3.65408	10.149	8.5974	10.3502	9.05286	8.61099	8.89519
ATP10A	4.74876	4.88909	4.83606	4.7443	4.97582	4.78521	5.26485	5.35699	5.0014	4.94486	4.89474	4.99931	4.70214	4.59471	4.94929	4.81876
ATP10B	6.06026	5.65634	6.24509	5.98436	5.08694	4.80326	6.68643	5.11271	5.85251	6.49283	5.42135	4.49249	4.93441	5.07619	4.65881	4.24673
ATP10D	7.11937	7.45122	8.27215	7.69492	7.88522	8.13808	6.02435	6.96653	7.72159	7.3118	7.66223	7.70647	7.30554	6.75107	7.65275	7.67899
ATP11A	4.58277	4.61634	4.83965	4.53865	4.82733	4.70118	5.0159	5.0217	4.23643	4.41697	4.6666	4.1399	4.24124	4.88575	4.74543	4.90822
ATP11A-	2.67587	2.45096	2.21817	2.68987	2.69925	2.54821	2.85145	2.48155	2.61126	2.8175	2.86136	2.5019	2.27904	2.61031	2.53824	2.60621
ATP11B	6.62705	6.89314	7.18028	6.57865	7.38369	6.47656	7.02701	7.62815	7.31362	7.03311	6.72516	7.20976	6.70289	6.5687	7.26549	6.78574
ATP11C	5.13528	6.45687	6.00566	5.70032	5.78504	5.12092	5.16028	5.58246	4.55237	4.88056	5.49037	5.58872	5.2021	5.82616	5.44733	6.68077
ATP12A	7.31491	7.59584	6.80673	6.50038	3.50802	5.60384	5.31867	6.6295	6.12891	7.49498	5.51451	6.36903	4.91397	5.26764	5.8839	4.14722
ATP13A1	6.27109	4.41154	4.07777	2.73925	6.51983	6.7036	6.11045	3.55509	6.77204	6.58963	6.84402	7.48299	5.94565	7.26326	5.34195	6.15937
ATP13A2	7.45606	7.96148	7.29055	7.88701	7.01141	7.73849	7.61481	8.27019	7.75674	7.78599	7.40707	8.06352	7.76031	7.5405	7.16126	7.82305

ATP13A3	7.46409	6.98107	6.87481	7.58828	6.98553	6.62295	7.09619	7.05272	7.27077	6.50074	7.1198	7.11823	7.18732	6.36411	7.03131	6.7918
ATP13A4	4.67994	5.26618	4.21622	4.13219	4.67557	4.92384	4.6711	5.05869	5.41755	5.32616	3.96416	4.49015	4.17491	4.7795	4.16142	4.99833
ATP13A4	3.78698	1.40126	3.02585	3.71004	3.27783	2.81599	1.49083	3.0093	3.33041	2.75002	2.07483	1.77016	1.41985	2.79431	3.7606	1.73976
ATP13A5	4.34346	5.59779	4.09292	4.73468	4.52416	4.23521	6.04791	4.84572	3.99629	6.06289	4.38323	5.03513	4.78069	4.64929	4.60388	5.03287
ATP1A1	11.3656	10.5573	10.8107	10.5345	9.77798	10.4836	10.6031	9.36777	10.0868	10.8383	10.2804	10.1277	8.97528	10.7652	10.0103	9.23779
ATP1A1-	7.43511	7.04472	6.7883	7.32054	6.95816	6.99972	6.38914	7.31308	6.75154	7.18152	6.21609	6.81244	6.76973	7.05554	7.13275	5.59
ATP1A2	5.23405	4.04908	5.68032	5.83541	5.34487	5.42833	4.3194	6.00927	5.22546	6.33563	4.00753	5.69433	5.10961	5.36187	5.71676	4.18221
ATP1A4	5.33068	5.19241	4.86073	5.54035	5.14061	4.94172	5.77746	5.06879	4.59471	5.65192	5.41616	4.90183	5.96113	5.59967	5.37837	5.1601
ATP1B1	11.2075	10.9309	11.1658	10.6686	9.50744	10.9531	10.1739	8.69776	11.9171	10.9503	9.46135	10.2318	10.4448	9.54485	10.6549	11.088
ATP1B2	3.51548	3.01952	2.35871	3.90548	3.56794	3.71116	4.20319	4.48907	2.73661	2.07832	3.86158	3.35152	4.33795	3.46534	3.7365	4.04011
ATP1B3	5.7148	5.93156	6.10971	6.47672	5.49711	6.29639	5.85355	6.74325	6.27672	6.10003	6.31876	4.85358	6.32423	5.54541	5.75265	6.87988
ATP1B4	5.08025	4.82291	5.50884	4.47767	5.06911	4.64502	4.48935	5.06667	3.37625	6.05051	4.75295	5.28471	4.52039	5.47087	5.13607	4.3419
ATP2A1	3.22999	2.71733	2.83517	2.70769	4.00704	2.96225	2.40451	3.00268	2.96846	2.92084	3.14028	3.40822	3.8868	2.56421	2.85325	3.00817
ATP2A2	6.5579	6.68251	6.21797	6.76332	6.45718	6.68175	6.81587	6.68208	6.4651	6.59531	6.6589	6.61987	6.54028	6.20604	6.39759	6.67496
ATP2A3	4.92049	5.19674	5.33954	4.89742	4.71618	4.70279	4.31702	4.97749	5.15403	6.08951	4.85358	5.14097	4.39832	4.27608	4.39048	4.67215
ATP2B1	6.50632	6.28124	6.88287	7.32333	6.47888	6.64006	6.28827	5.40444	5.58714	5.87662	5.93115	6.65491	6.19282	7.6443	6.76064	6.34327
ATP2B2	3.52204	3.99573	4.36385	4.14389	3.77832	3.706	4.55658	3.52979	4.13125	4.37155	3.64889	3.55916	3.82991	4.17971	3.90701	3.93337
ATP2B3	4.00589	4.51992	3.76249	3.73419	3.51688	3.38638	4.02372	3.42726	3.7594	3.48453	4.39974	3.3566	4.02672	3.55219	3.68112	3.63349
ATP2B4	7.05554	6.03354	6.3929	6.25872	7.41663	7.06209	6.53264	7.81868	7.23122	6.18435	6.20784	6.71426	6.432	6.8657	6.80802	6.69265
ATP2C1	8.38858	8.44434	8.48395	8.03074	8.88342	8.81561	8.99071	9.03868	8.8893	8.06968	8.04476	8.46536	9.1841	8.59276	8.93143	9.28504
ATP2C2	7.58702	6.32531	6.33298	6.45868	3.47791	4.48458	4.73561	5.13747	6.02379	6.44808	3.79931	6.13229	4.11653	4.00917	4.37922	5.44733
ATP4A	6.28284	6.7406	6.07564	7.52552	5.83766	5.39763	6.2519	6.31081	5.60363	5.87159	5.0985	6.33721	6.05349	6.75623	5.50096	5.34309
ATP4B	3.05512	3.4974	3.32081	2.70549	3.53272	3.3566	3.09655	3.53187	3.42914	3.40487	3.02155	2.95097	3.15493	3.35515	3.49317	3.65709
ATP5A1	7.13821	7.77398	7.64031	7.45526	7.08284	7.48777	7.27394	7.70836	7.44743	7.38139	7.01211	7.49594	7.17445	7.82975	7.17978	7.19487
ATP5B	11.0674	11.1818	10.7755	10.6392	11.7733	10.7105	11.3587	11.0928	11.547	11.1357	11.0322	10.9586	10.4412	11.9018	11.6343	11.3155
ATP5C1	9.38383	9.99505	9.40143	9.71214	9.6978	9.99505	9.82345	10.2955	10.0722	9.74251	9.54001	9.30096	9.96791	9.78849	9.9547	9.6066
ATP5D	8.30405	8.71458	8.17086	8.23028	7.81334	8.51429	8.37443	8.05054	8.27821	8.76808	8.74074	9.53631	8.92733	8.9537	8.17252	8.4593
ATP5E	8.73206	8.99832	8.77753	8.66913	8.85137	8.99157	9.4267	9.39808	9.10897	9.16731	8.89342	8.56369	9.13804	8.61369	9.08426	9.00505
ATP5F1	9.11537	8.95283	9.04668	9.22173	8.80295	9.28374	9.19438	9.40713	8.74734	9.38269	8.91327	8.63124	8.93143	9.11184	8.95954	9.14795
ATP5G1	9.22173	9.88728	9.01455	9.77798	8.33937	9.51497	10.8711	9.94429	9.76707	8.8059	9.66727	9.82582	9.7059	10.1842	9.77064	10.0245
ATP5G2	7.72559	7.73741	6.05798	8.43314	7.67409	8.1881	7.84813	7.31288	7.31755	6.46249	7.55265	7.52956	8.66768	8.24244	7.5578	8.19737
ATP5G3	8.65974	9.32342	8.91149	9.45311	9.61505	9.93446	10.0472	9.26978	9.85557	9.06301	9.31202	9.85932	10.0817	9.94182	10.3833	9.7337
ATP5H	8.33735	8.45696	7.92999	8.68206	8.17017	8.97528	8.3215	8.3687	8.56598	8.46273	8.25283	7.83011	8.55961	8.12782	8.06823	7.94437
ATP5I	10.0245	10.0218	9.60844	9.82086	9.86652	10.5181	10.9586	11.1275	10.5398	9.37478	9.93225	11.0154	10.8431	10.46	10.545	10.2928
ATP5J	10.9586	11.2075	11.297	11.6219	11.0289	11.7283	11.7562	11.6343	11.3517	10.8755	11.2633	11.8866	11.5105	11.374	11.547	11.2693

ATP5J2	5.97772	5.63823	4.92602	5.92848	6.02014	5.66243	4.60294	4.42433	6.39124	4.00197	5.64281	4.15353	5.4553	6.20065	6.0246	6.07883
ATP5L	10.7178	10.9164	10.7518	11.5105	10.5665	10.6304	10.4068	10.4362	10.2928	10.2113	10.509	10.9309	10.7548	9.85557	10.3531	10.6549
ATP5O	8.38415	8.56298	8.33334	8.12453	8.56923	8.93549	9.21594	9.09834	8.24645	8.8144	8.36968	8.35903	9.00167	8.81055	8.89192	8.5744
ATP5S	6.13206	5.64209	5.4529	5.61533	6.05903	5.30988	5.35722	6.13206	5.16049	5.32787	6.11583	5.33633	5.79424	5.1312	5.01495	5.53716
ATP5SL	7.30035	7.85153	7.49498	6.98472	7.81607	7.4571	7.8738	7.21373	7.03405	7.49911	7.61729	8.09982	6.69482	8.25902	7.69886	7.79044
ATP6	10.2398	10.2257	10.7696	10.4135	10.3399	10.7696	10.2011	10.7421	10.9636	11.1093	10.3531	8.396	10.3871	10.6549	10.4489	10.2283
ATP6AP1	10.0495	8.93712	9.71731	9.02753	9.11939	9.38055	8.29809	8.93865	10.163	10.2583	9.24484	9.01679	8.67368	8.9171	9.23642	8.74249
ATP6AP1	5.38452	3.37079	4.93087	3.73393	5.04076	5.39833	4.60868	4.81772	3.56706	5.24253	4.77643	3.63219	4.09669	4.97633	4.63084	5.13607
ATP6AP2	6.94061	7.48951	8.37595	8.08164	8.12453	7.89821	8.18097	7.66888	7.92358	8.43209	8.21095	7.60189	8.03847	7.88283	7.36428	7.18221
ATP6V0A	7.28242	7.20891	7.38721	7.03517	6.44429	6.07956	7.03744	6.99189	5.95632	7.08097	7.0855	6.50632	7.1565	6.50096	6.18038	7.09703
ATP6V0A	4.9958	5.97056	5.38276	5.43578	5.89084	6.93394	5.37506	5.68304	5.56061	5.09328	5.64746	6.07787	4.98595	5.67328	4.77857	5.56217
ATP6V0A	7.91603	3.40176	3.20427	6.16754	1.48455	1.19537	2.0296	1.54991	3.22752	6.59992	2.54194	2.17829	1.82475	1.92414	1.94998	1.51008
ATP6V0B	9.25598	9.35232	9.30766	9.24623	8.15026	9.14404	8.21161	6.96157	8.7032	9.21885	9.65415	10.1211	9.3797	9.09551	7.62531	8.4703
ATP6V0C	6.80517	6.86887	6.59885	7.11782	7.71496	7.8012	6.54303	6.58582	8.04348	7.19145	8.3215	7.73968	7.83082	8.8333	7.58939	7.1334
ATP6V0D	8.60184	8.69275	9.17731	8.78234	8.07098	7.97191	7.11951	8.37347	9.15526	9.39668	8.48158	9.40143	8.55764	8.93264	8.45057	8.59168
ATP6V0D	6.8284	6.57151	6.70618	6.95444	5.99187	6.39148	6.39865	6.28422	6.96411	6.60053	6.50074	7.39669	7.82492	6.432	5.93676	6.29584
ATP6V0E	7.92119	8.396	8.12453	8.17338	7.62153	7.90366	7.5148	7.70673	7.94787	7.85915	8.15735	8.60967	8.26134	7.54447	7.68546	7.64528
ATP6V0E	8.21397	8.44151	8.10408	8.61068	7.88036	8.32337	8.13721	8.72123	8.73887	9.90298	8.47386	9.04381	8.30111	7.57964	8.56598	8.17965
ATP6V0E	3.78698	3.86925	5.70234	5.88508	3.46884	3.601	4.28532	3.66599	5.34823	5.15052	4.10776	5.62801	3.65598	4.90027	4.64949	4.07003
ATP6V1A	7.41505	6.68097	7.1494	6.48887	6.53737	6.40964	7.82828	7.78837	8.09341	6.86317	8.00881	5.97406	7.04564	6.33478	7.76459	7.42138
ATP6V1B	6.06475	5.1647	5.97527	5.18381	5.81801	5.76327	5.75596	5.90848	5.64954	5.63452	5.40272	6.29537	5.18553	5.86084	5.85125	5.86985
ATP6V1B	7.73373	8.11589	8.35464	7.98156	8.87832	8.00232	7.70564	7.98438	9.30484	8.35093	9.26363	7.91527	8.44366	7.9954	8.44895	8.28751
ATP6V1C	5.8578	6.45026	6.70933	6.05312	7.02837	6.29754	6.56847	6.33362	6.78662	6.35089	6.92074	5.49373	6.39556	6.17384	6.57977	6.11163
ATP6V1C	6.55717	5.02351	4.07326	5.68695	6.4977	5.03438	6.15366	4.3961	5.91869	4.8882	4.9646	4.21911	6.97262	5.58501	4.01336	7.8368
ATP6V1D	7.42501	7.33233	6.73659	7.85571	7.40259	6.9573	6.6732	7.59076	7.4571	7.62815	7.63318	6.54598	7.24036	7.36235	6.77706	6.79971
ATP6V1E	9.57128	9.91339	9.40867	9.8758	10.2667	9.80267	9.58269	10.0385	10.058	9.41034	9.93918	9.2812	9.64364	10.4318	10.0415	9.58269
ATP6V1F	7.69972	8.02382	7.96362	7.68272	7.78123	7.55377	8.77496	7.37763	7.88984	7.99706	7.07381	7.7995	8.09264	7.81549	7.89942	8.10283
ATP6V1G	8.55896	8.54913	8.86149	8.77753	8.36016	8.6349	8.6349	7.97022	8.82456	8.34839	8.39908	8.35151	9.16131	8.54172	8.73519	8.74347
ATP6V1G	4.61877	4.36917	3.88236	5.44477	4.9314	4.17372	5.17761	3.6374	5.9177	5.26485	4.9748	5.60777	5.36845	5.69164	5.14584	6.20158
ATP6V1G	6.49589	6.21903	4.84794	6.54728	5.54991	5.54525	6.32268	5.7594	3.02333	6.10884	5.92694	5.98895	5.06968	5.56916	5.41275	5.45261
ATP6V1H	6.96845	5.8694	6.69348	6.43728	6.75013	5.89522	6.96768	6.96211	7.15825	6.39439	7.17234	5.39161	6.3979	6.562	6.46826	6.85063
ATP7A	7.16464	7.00568	7.12545	7.29473	7.19551	7.06524	6.90055	7.371	6.90407	7.35339	6.22886	7.24537	7.44574	6.99644	7.13535	7.07704
ATP7B	8.46973	7.63682	7.14531	7.85105	4.86578	6.0617	4.94479	5.81525	6.7186	6.8911	6.00457	6.44179	6.68426	5.40633	6.25921	5.69955
ATP8A1	6.58707	5.66394	5.59	6.19406	6.15008	6.33808	5.73429	5.50079	5.37776	5.32985	5.56538	5.27381	5.36229	5.17583	4.72417	6.56296
ATP8A2	5.28422	4.59806	4.63759	4.44693	4.62003	5.15911	5.50313	3.19866	4.18447	3.54915	4.34723	5.1853	5.10451	4.19207	4.87152	4.74756

ATP8B1	9.51816	9.03131	9.12237	8.75665	7.87426	8.96233	8.7993	7.99046	8.69689	9.09448	8.02431	7.77814	8.10225	8.35018	8.2533	8.78506
ATP8B2	5.49021	6.77986	7.17188	7.44743	6.00736	6.55527	6.09904	5.99957	6.60946	6.76563	6.35565	7.66991	6.90055	5.20872	6.20784	4.78187
ATP8B3	4.52167	4.03022	4.45498	5.13157	4.80845	4.46997	5.16681	4.39778	3.86881	4.26138	5.07535	4.54391	4.49578	4.57543	4.792	4.27381
ATP8B4	5.91118	5.49063	4.93219	5.48763	8.34433	5.74383	4.89377	5.76347	4.88674	5.55006	6.21395	5.11486	5.64557	6.78628	5.55069	5.99873
ATP8B5F	2.92455	2.52981	2.73543	3.38764	2.51876	2.47116	2.5211	2.88113	1.73631	2.89422	1.8084	1.83191	1.74155	2.27367	2.52205	2.6494
ATP9A	7.79072	6.61138	7.00403	7.17259	6.45583	6.57993	6.85972	6.61757	6.63446	7.48872	6.51419	6.76094	5.56484	6.60392	6.71757	5.66181
ATP9B	5.56754	5.45744	5.42842	5.47008	5.45055	5.3523	5.60601	5.77051	5.67071	5.67796	5.31006	6.23742	5.62395	5.54936	5.61508	5.47786
ATPAF1	7.24572	7.5397	6.95872	7.27077	7.64835	7.6668	8.13334	7.39513	7.06255	7.97022	6.97362	5.73855	7.86385	7.02199	7.96074	7.53123
ATPAF2	4.78714	6.1275	6.43229	6.30993	6.08394	6.51508	4.25853	6.70196	5.46729	6.3281	5.2229	6.93418	6.76679	6.55443	5.96381	5.56185
ATPIF1	10.0162	9.62785	9.60364	9.98814	9.46666	9.84942	10.1952	10.0218	9.42515	9.44403	9.35321	9.83019	9.67513	9.66114	9.89971	9.7488
ATR	6.15224	6.78541	7.1559	5.79852	6.84862	6.59344	6.77456	6.95773	6.27307	7.34115	6.89966	6.36158	6.33563	6.65193	6.46864	7.18732
ATRAID	10.6607	10.5398	10.2459	10.3013	10.5329	9.72915	9.02285	9.56326	10.3792	10.4028	9.73939	10.2227	10.6549	10.3871	9.59537	10.4028
ATRN	5.96804	6.46638	7.29391	6.77117	7.62734	7.31268	6.92479	6.87765	6.93843	7.34936	6.55586	6.46075	6.60053	5.79795	6.97341	5.42824
ATRNL1	4.65694	4.43729	4.95899	4.80583	4.75563	4.2359	3.73945	3.00027	4.29147	4.59267	4.10404	3.92656	4.6971	4.78444	4.29253	4.17234
ATRX	6.40411	5.55482	6.8608	7.00326	6.37591	6.84836	6.86932	5.70391	7.27909	6.99189	6.22981	6.545	6.774	5.96015	6.93602	6.8718
ATXN1	6.44646	5.94527	7.06434	6.67121	6.12523	6.2982	6.52948	5.94931	6.34748	6.2885	6.36107	6.56163	6.52729	5.95336	6.20565	6.3379
ATXN10	9.13461	9.10997	8.70602	8.64857	9.18298	9.17731	8.88247	9.23192	9.64667	9.27221	8.85032	8.75484	9.23779	8.85361	9.2111	8.97528
ATXN1L	8.04669	7.92769	8.54511	8.89725	8.26769	8.91642	8.74983	8.78995	7.94991	8.60131	8.20121	8.23492	7.73397	8.96842	8.07429	7.71102
ATXN2	7.52319	7.33361	7.33712	6.84156	7.09901	7.68154	7.73862	7.35747	7.67863	7.76184	7.09849	7.05622	7.06524	7.58033	7.14001	7.3761
ATXN2L	3.69577	3.08671	3.73731	3.35412	4.04587	3.23578	4.00507	4.33068	3.9057	3.68942	3.21231	4.50317	3.18584	4.43979	3.74792	4.45196
ATXN3	5.81525	5.3882	5.30337	5.89027	5.72647	5.66035	5.47407	5.40805	5.60661	5.4315	5.46171	4.81617	5.63327	4.86961	5.14382	5.34118
ATXN3L	2.27273	4.93339	4.51439	3.68112	4.16584	4.08037	4.14005	4.96893	4.33436	5.45776	4.45712	5.12344	3.85528	4.93015	3.79392	5.31202
ATXN7	6.17495	5.49629	6.56051	6.68416	6.18553	6.62122	6.46269	6.49484	6.52589	6.53633	6.17762	6.19375	6.1633	6.25659	6.44633	6.63345
ATXN7L	4.14429	4.40218	4.09327	3.7913	5.25825	4.75238	4.81223	4.3125	3.80166	3.99645	4.14906	3.92354	4.26674	4.37538	4.18908	4.05411
ATXN7L	3.4567	2.67513	4.28111	3.68112	5.27562	2.91286	0.35046	2.91144	1.98342	3.42914	3.56921	3.9057	3.49323	4.14195	2.34348	2.4366
ATXN7L	5.56126	7.03191	7.18995	6.18324	6.76133	7.05285	7.23812	6.60003	7.5749	6.57826	6.17866	7.36492	6.53353	7.37536	6.74447	6.96963
ATXN7L	6.1126	5.56983	5.71411	6.01167	5.75747	5.92461	5.79356	5.09784	5.86875	5.72881	5.91594	5.95527	5.93115	6.02426	6.02652	6.17811
ATXN8O	3.31017	3.24563	4.05393	4.62434	4.09689	3.08198	3.44209	5.56338	3.27349	2.61134	2.54194	4.32878	5.6046	5.36067	3.15051	4.87251
AUH	8.28095	8.63946	8.31951	8.63992	8.19842	7.99167	8.24208	8.99157	8.05137	9.01959	8.07048	7.96021	8.15909	7.60269	8.33937	8.53855
AUNIP	5.51451	5.22723	4.93048	5.62183	5.54309	6.05626	6.8481	5.80567	5.53799	4.97217	5.76588	5.56916	6.68097	6.59622	5.05799	5.91135
AUP1	7.34951	7.46659	7.60835	7.20682	7.75071	8.2823	8.4871	7.78353	8.14551	7.85734	8.10936	8.53248	8.04652	8.20591	7.94585	8.48158
AURKA	5.77111	6.81873	6.4977	6.94242	7.34377	7.16505	8.25993	8.28608	7.70306	6.08239	7.92703	6.87603	8.03741	7.49325	7.77398	7.46862
AURKAI	7.67711	7.78225	7.5573	7.41057	7.03381	7.64499	7.99451	7.59795	7.63257	7.8854	7.71541	8.18994	7.98889	8.01689	6.98222	7.47978
AURKB	4.13584	4.62221	3.76182	3.9653	4.52911	5.22934	5.04103	3.89149	5.01818	3.5826	6.17931	5.59734	5.48981	5.96858	4.1861	5.18175
AURKC	5.82837	6.1129	6.29572	5.97678	6.06551	5.04234	5.65866	6.40916	6.54802	4.95044	6.05702	5.61554	6.24198	6.28749	4.51765	5.41218

AUTS2	7.5578	7.00157	6.71555	6.3411	7.05101	6.77672	7.06319	5.91547	5.89644	7.16026	5.44417	6.18713	6.2296	6.69213	6.84787	7.47582
AVEN	7.62888	7.91032	8.13277	7.3161	7.8905	7.99451	7.32841	8.19936	8.00512	7.14716	7.69819	7.66492	7.51651	7.59141	8.05368	8.45141
AVIL	5.33889	5.0129	5.17093	5.2869	5.30736	5.17737	4.87951	5.3654	5.46277	5.65866	5.23284	5.36656	5.27822	5.11501	5.33521	5.03836
AVL9	4.68091	5.12085	4.3624	4.86718	5.37281	4.62412	5.17622	4.62434	5.0418	4.82924	5.31649	4.32624	4.54368	4.55111	4.59852	5.97036
AVP	2.83473	2.41683	1.52785	2.1445	2.21727	2.34348	1.24246	1.31605	2.86093	2.04282	1.63512	2.56799	2.29255	2.54935	2.93032	2.82844
AVPI1	8.4855	8.62113	7.73646	8.14451	7.23822	7.70327	8.34622	8.36455	8.07018	7.79231	8.10013	8.2773	8.26381	8.43631	7.60727	8.32303
AVPR1A	4.67653	4.48662	4.54176	4.81617	4.55035	5.09145	5.14009	4.89098	3.29806	4.38995	3.97051	4.61877	4.97871	5.09234	5.59929	4.74035
AVPR1B	3.23662	3.06378	2.68367	2.65796	3.14557	2.86136	2.67152	2.78286	2.76258	3.46275	2.90046	2.76999	3.16183	3.14828	2.94685	2.90822
AVPR2	2.86273	2.92289	3.20109	2.96741	2.90771	3.7815	3.92393	3.72912	3.0093	3.3177	3.44491	3.18563	3.12984	3.42455	3.37954	3.06828
AWAT1	4.38384	6.5801	6.54075	6.1875	5.64806	5.2799	5.97229	5.15157	5.49837	6.36903	4.60207	6.19045	4.69821	6.02079	3.67604	5.48407
AX74662	4.79439	2.44316	4.46262	4.47048	4.47054	3.74792	3.39293	3.39861	4.58372	3.3263	3.25613	4.01677	2.59488	4.54858	4.28892	4.37747
AX74669	1.64611	2.61396	2.66774	2.77414	2.73769	1.90997	3.47278	1.79233	2.35886	3.2328	2.70123	2.95936	2.81611	1.59381	3.26899	4.15607
AX74671	4.44608	2.99228	4.37426	2.22193	4.44183	3.28947	1.54854	5.45391	4.56553	4.88336	4.62733	4.97252	4.21419	4.20074	3.8556	4.68891
AX74682	5.2904	5.23996	4.98606	4.98208	2.76484	5.04234	4.96187	3.19037	5.00335	5.74642	4.81003	5.00749	4.17756	4.77727	3.4886	5.52649
AX74683	3.04535	3.36509	3.58903	3.73945	3.80647	4.19473	3.84674	2.67421	2.81157	3.47656	4.13909	2.66471	5.50625	3.29459	3.57849	4.05789
AX74696	5.0773	4.16994	4.8564	5.0714	3.83175	5.3672	4.08418	5.17831	4.81824	4.78392	4.98389	5.03733	4.52282	4.369	4.70419	5.10495
AX74703	5.06203	5.19799	3.56906	5.8358	3.48434	5.58627	3.87897	5.93974	3.90229	4.6502	5.15968	5.72913	5.99542	5.44628	5.38495	4.14722
AX74706	2.89649	2.77081	2.82464	2.22193	2.2597	3.28947	3.52327	2.731	2.43603	5.01	2.72092	3.41704	2.59488	3.67678	2.69546	2.69842
AX74719	3.6565	2.89801	2.82464	2.65796	2.68714	3.4746	3.77935	4.03022	4.42376	5.41012	2.48014	4.13105	2.49591	3.75913	2.21248	3.54848
AX74725	3.64066	2.1636	4.18506	3.50564	3.33875	5.46747	3.0573	4.78725	3.86642	3.99153	4.27533	2.84585	3.55868	2.09344	3.42703	3.20278
AX74726	4.47732	4.22923	3.87881	3.92098	5.23232	4.55579	4.01473	3.52708	4.95126	5.57898	4.1954	3.75898	4.63984	4.3331	4.41538	5.30804
AX74740	5.88087	4.39917	3.94585	5.79795	4.58067	3.01096	3.57168	4.93717	4.57635	4.82316	4.3923	3.07028	5.38375	3.91524	5.47117	5.26796
AX74744	5.23193	2.86158	3.22117	3.6256	2.76484	3.63988	2.58845	4.1399	4.59837	3.75611	3.71153	3.03309	3.88172	2.93125	4.58644	3.7297
AX74750	4.53148	3.18041	4.08953	3.25646	2.36593	5.69329	2.67152	3.27157	2.13825	5.6167	3.42769	3.10037	2.49591	4.76631	5.25562	3.0606
AX74763	3.82982	5.59446	3.04356	5.17119	4.9083	3.391	4.16126	4.96224	4.89423	5.15888	3.96629	2.55562	1.7762	4.52704	4.52824	4.2961
AX74765	3.73406	2.81246	3.0093	3.8167	2.85371	4.78796	3.20323	4.67009	3.60923	5.46729	3.66652	4.0069	5.39578	2.88516	3.57849	5.53829
AX74773	2.72538	1.71163	1.01461	2.06899	2.10233	2.81599	1.80024	2.64349	2.22165	1.78758	4.79301	2.48941	2.52228	1.4899	4.25015	2.49784
AX74782	3.91761	3.24563	3.89015	3.65448	2.89774	3.20546	3.55696	3.37974	3.48123	4.51316	4.22933	3.08704	4.03129	3.58891	3.00483	4.11853
AX74815	4.09491	4.22688	4.25955	4.32526	4.24744	4.25611	4.07312	4.44194	4.79613	4.44111	4.49934	4.57214	3.80685	4.28869	4.00119	5.19927
AX74826	6.29994	6.90283	6.95049	6.72063	6.11415	6.83308	6.24397	6.17833	6.96042	6.88467	6.028	6.05484	6.14424	6.31673	5.35208	6.51179
AX74827	5.33339	3.67703	5.59946	4.42279	5.3794	4.90919	6.34758	4.22833	3.87677	5.932	4.67727	4.60294	6.01907	3.47687	4.6804	5.21582
AX74829	3.42813	3.1532	3.27793	3.13915	3.12473	2.76484	3.35187	2.78286	2.67969	3.57327	2.56627	2.81338	3.40212	3.01384	3.58891	3.08868
AX74833	6.59726	5.63336	6.51199	6.49925	5.8629	6.56041	6.56778	6.4299	6.37272	7.07077	5.5172	6.15572	6.07969	6.32734	6.18553	4.92816
AXDND1	4.71325	3.66426	2.97356	4.08829	3.88447	2.9174	3.94666	3.16446	1.29724	2.21637	1.89139	3.71194	3.91094	4.07056	3.10351	4.16757
AXIN1	4.27584	4.55111	3.7147	4.37118	4.64244	5.20828	4.02856	3.8281	3.99376	4.37418	5.90526	4.17474	4.44582	4.89098	4.48521	4.68101

AXIN2	4.56005	4.41781	4.86961	4.5294	4.59852	5.07199	4.22024	4.02752	4.98956	5.02925	4.17056	4.5453	3.67007	4.73504	4.76537	4.14389
AXL	5.08631	5.67735	6.19114	5.75728	5.72892	6.45276	5.31156	6.71089	7.56746	5.46484	6.70543	5.67221	5.60018	5.74152	6.33478	6.3469
AY92749	1.87757	2.67513	2.35871	1.85049	2.18367	2.86136	2.63794	2.2672	3.49474	2.63576	2.13586	2.76999	2.88174	3.50494	1.78116	1.77343
AY94007	7.91384	6.30006	7.75483	6.32705	6.02566	7.02171	7.09873	6.83089	7.0852	7.18981	6.56699	6.64463	6.73147	6.49455	6.59252	6.86998
AZGP1	9.55682	7.28713	7.88036	6.0029	5.68373	5.34499	5.88216	5.96948	5.53149	12.2135	4.84579	4.18135	8.82316	6.0005	4.7519	7.10574
AZGP1P1	3.64066	3.46411	4.27028	4.7744	3.76997	3.6256	2.8619	3.8281	4.50459	3.36001	3.33935	3.0573	3.97703	4.01187	3.79392	4.52926
AZI2	6.98932	6.56901	7.28473	7.31233	7.06673	6.93297	6.81827	7.46327	7.10181	6.6689	7.22296	6.66476	6.47903	6.20158	6.82357	7.39669
AZIN1	9.35033	9.04557	9.25156	9.37478	8.88814	9.00325	9.59094	8.52211	8.46765	8.55896	8.69101	8.33334	8.64502	8.97832	9.28504	9.06514
AZIN2	4.50274	4.03976	4.83383	3.85416	4.81338	5.14162	5.9025	4.54874	4.93246	4.67844	5.48108	5.02998	5.62881	6.00325	5.63887	5.36964
AZU1	2.37329	3.86261	4.75389	2.63639	3.57987	2.95599	2.8619	2.78286	3.74437	3.63896	3.5826	3.33905	2.7752	3.68528	2.1886	2.36473
B2M	10.6889	10.3191	10.9531	10.6273	9.90431	10.4243	10.2527	10.5826	10.6733	10.2955	9.7488	10.3833	10.2725	10.1981	10.1456	10.3191
B3GALN	5.22506	4.83036	5.42657	4.61592	5.57367	4.40651	6.23393	4.61634	3.15956	6.10253	4.86994	3.66585	3.81013	3.93967	5.63813	4.30558
B3GALN	6.24558	6.16508	6.75718	6.15753	6.13121	6.96543	6.44775	6.49631	5.76327	6.66742	5.80222	5.05621	6.59734	6.44753	6.46847	6.2982
B3GALT	2.35791	2.47612	4.3961	3.1264	2.38181	4.22209	4.12051	3.51466	3.66318	3.27793	2.44654	2.42965	3.35168	3.98812	3.11244	2.83786
B3GALT	3.3464	3.39363	3.96018	5.02259	8.31492	6.17461	3.41734	3.12086	3.18069	3.14573	2.59854	3.13394	3.25961	3.13704	5.5224	2.66669
B3GALT	7.25884	7.76731	7.7273	7.35747	6.29559	7.24167	6.87959	7.68518	7.96289	7.53449	7.05041	8.29871	7.06179	6.84334	6.96845	5.95001
B3GALT	4.40279	3.84953	4.59673	4.29501	5.14147	4.97056	4.23182	3.77354	4.39716	5.61268	4.65792	3.76017	3.63542	3.52204	3.9751	4.03485
B3GALT	6.60736	6.9799	6.80489	7.08315	7.23093	7.0981	5.97427	6.49365	6.03625	7.33669	7.32785	7.70564	7.32857	6.11097	7.07893	6.98862
B3GALT	6.49883	5.83943	5.84738	6.49401	6.14618	7.06708	6.90744	6.20232	6.41151	6.32017	6.72263	6.15674	6.11433	6.05707	6.4803	5.81194
B3GAT1	6.31417	4.67009	6.88048	4.42279	4.36498	6.1219	4.15069	4.74277	5.28829	6.20299	4.71136	4.82852	4.48458	4.24417	4.68857	6.08805
B3GAT2	3.40444	4.37886	4.65818	4.36385	5.54517	4.34346	5.92675	5.15365	3.50476	3.16778	3.10589	5.33811	4.53835	6.34408	5.71141	5.07913
B3GAT3	6.88287	7.15615	7.1297	6.63361	6.52602	7.25243	6.82648	7.16126	6.96211	6.42415	6.99931	7.65295	7.26885	7.37909	6.74255	6.97901
B3GNT1	7.71541	7.54204	7.67745	7.39264	7.53657	8.23129	7.49883	7.92358	7.53761	8.24481	7.39608	8.32872	7.57865	7.64872	7.81085	7.63792
B3GNT2	5.68446	4.2792	5.05327	4.00961	6.30993	4.95701	4.4329	4.96626	4.8484	4.61897	5.24694	4.75104	5.04565	4.19001	5.57585	5.26039
B3GNT3	7.29401	7.41527	6.67595	6.56474	5.90098	5.66497	7.08169	6.44417	5.20282	7.24555	6.54014	5.24488	3.88172	5.64899	5.90353	5.89174
B3GNT4	5.34118	6.61943	5.85064	6.44845	6.34485	5.49698	5.77668	5.5188	6.01437	5.6242	5.78878	4.64303	7.14616	5.77688	4.57565	6.46984
B3GNT5	5.81537	4.6811	4.6209	5.1517	5.23942	5.46016	5.28241	5.08944	5.20073	5.0723	5.42776	5.20862	4.56703	5.14257	5.27776	5.07813
B3GNT6	4.21327	4.37083	4.53148	3.8925	4.02325	3.76997	3.24598	3.51301	3.68505	4.75435	3.44414	3.21956	3.01834	3.08532	3.02707	4.64897
B3GNT7	6.08176	6.5305	5.86985	6.56847	5.3528	5.42372	5.90945	5.76588	5.68517	5.62053	6.18996	5.33258	5.56444	5.57304	6.07517	5.70513
B3GNT8	6.69536	4.26036	5.54525	4.19971	4.41516	5.12651	3.49217	3.27157	3.38569	4.39917	5.38812	5.92734	5.47935	5.73322	4.77103	4.84049
B3GNT9	7.73721	7.14347	7.45108	7.42706	6.90769	7.55377	7.42868	7.25431	7.11246	7.5808	6.59326	7.12935	7.30112	7.17328	6.90183	6.99169
B3GNTL	7.08341	6.73391	6.60053	6.73608	6.50944	6.50447	6.31515	7.26814	6.48966	6.64671	6.70844	7.14971	6.47888	7.14209	6.61504	7.28432
B4GALN	5.05781	5.7268	5.04828	4.84606	4.57737	4.814	5.9262	4.84269	5.47619	4.02938	5.60047	5.0817	4.12675	4.32526	3.92537	4.7732
B4GALN	6.52201	6.85014	6.00079	6.12918	5.86719	6.31673	6.32531	6.44616	6.03198	4.92663	6.45868	5.02213	6.36517	6.81635	6.20996	6.6127
B4GALN	5.9118	6.15108	5.96245	5.30066	6.71574	6.31802	6.45163	5.51577	5.69638	6.38895	5.90129	4.94752	5.46739	5.90235	6.54319	6.69916

B4GALN	4.97343	4.6173	4.35788	3.95956	4.54325	4.35974	4.51064	4.86214	5.10323	4.63475	4.46879	3.97261	4.41381	4.43897	4.41476	4.74517
B4GALT	5.30024	5.73322	5.56523	4.98419	5.28498	5.27655	5.18175	5.12745	5.692	5.56916	5.316	5.18617	5.56872	5.35699	4.77818	5.18445
B4GALT	6.44232	6.43979	5.70234	5.67756	4.86049	7.46529	7.36016	4.6439	4.27526	4.63911	7.68014	7.86622	7.5931	7.35018	5.84153	5.49205
B4GALT	6.35089	6.74255	6.80386	6.36032	6.51642	6.34341	6.14183	7.22958	6.82106	6.93224	7.10725	6.95795	6.8731	6.70289	6.58543	6.67956
B4GALT	8.11103	7.29311	7.85153	7.35212	7.23263	7.22787	7.77611	8.53635	8.01647	7.48581	7.0876	7.25982	6.71127	7.47714	7.28019	6.8874
B4GALT	8.65005	9.09601	8.95622	8.93865	8.23823	8.90453	9.15368	8.05785	8.35018	8.62519	9.28645	7.99636	7.45844	8.41433	8.66226	8.54913
B4GALT	5.25825	5.21788	5.27219	5.04804	5.89644	4.95657	5.34226	4.85376	4.73297	5.18074	4.65199	5.18024	5.56523	5.37736	6.24827	5.2853
B4GALT	6.96795	7.13403	6.36684	5.97118	5.69792	6.10848	5.95819	7.11849	6.16183	7.12205	6.87531	6.82452	7.2324	7.25163	6.47731	6.72599
B9D1	6.46361	5.90118	5.71711	6.566	5.23211	5.4553	5.49685	5.72881	5.1725	5.8637	5.39833	6.03781	5.25098	5.92857	4.78093	5.16507
B9D2	8.78234	7.54261	6.58617	8.28309	7.30921	5.87738	6.50763	7.05217	6.89331	7.12462	7.15053	8.13058	7.08341	6.85524	6.78728	7.08169
BAALC	6.52729	6.73855	4.55416	4.36498	3.34714	4.29473	4.49501	2.36593	2.3864	3.69048	4.51847	3.79473	3.64889	5.00749	3.83939	2.52877
BAALCC	4.95264	3.94028	4.17667	4.30115	3.72292	3.97032	4.22313	3.73945	4.00145	3.18013	4.12453	3.96094	3.25775	4.51531	4.49693	3.4928
BAAT	5.15926	5.85056	6.21965	5.99734	5.73055	5.72269	6.17611	6.46239	5.0435	6.25649	6.3245	6.0385	5.30913	6.08539	5.1212	5.6819
BABAM1	7.15338	7.99187	6.92953	7.24687	7.01007	6.1695	5.81209	4.44194	6.26034	5.57542	7.93941	8.17116	7.95275	7.88149	7.4238	8.15216
BACE1	5.86024	5.63161	5.8864	5.90353	5.62739	5.23021	5.26722	5.86194	5.66008	6.11473	5.66227	5.38226	5.79211	5.19321	5.86803	5.71731
BACE2	8.35528	8.53182	8.07142	7.60537	7.17933	8.1831	7.98529	5.97882	7.02837	9.29297	7.72074	6.54781	7.58344	7.0195	7.1525	7.36722
BACH1	5.48088	5.16975	5.04584	4.50459	5.19791	5.17622	5.6452	5.14439	4.86274	5.3392	5.93181	4.59228	5.24722	5.27976	5.68425	5.10366
BACH2	5.55932	6.08225	5.01818	7.31853	5.96325	7.24445	6.22635	6.21797	5.95749	6.09276	4.36192	5.7348	5.44477	6.18015	6.35935	6.04874
BAD	5.53424	4.56123	4.09572	4.87799	5.01962	4.94447	3.2679	3.89385	3.23269	4.79228	4.53653	5.9978	5.36928	6.46387	4.20465	4.8012
BAG1	9.14235	9.00325	8.28836	8.80295	8.31608	7.96489	8.09739	8.70013	8.51477	9.04187	8.64417	8.56598	8.07186	8.1649	7.87198	8.98666
BAG2	4.40651	4.9537	4.85535	5.05302	4.97056	5.02068	5.19477	4.96487	4.62117	4.6656	5.48699	4.94559	5.01511	5.29777	5.34309	5.32756
BAG3	9.46488	8.47282	8.52697	8.81366	8.55517	9.33233	9.37224	8.0326	9.4359	8.88693	8.60184	8.23555	8.18148	9.14095	8.85361	7.8789
BAG4	4.97408	5.95392	5.21788	4.80725	5.76092	5.97268	5.80461	5.81078	5.90626	4.6592	5.6286	5.24336	5.78106	5.7212	5.60443	6.20735
BAG5	6.90769	6.02445	7.18198	7.45025	5.43004	6.34809	5.46851	4.65072	7.05651	7.20402	6.66617	7.29595	6.33653	5.43557	6.6015	6.33478
BAG6	9.0096	8.40046	8.58812	8.56106	8.24244	8.72368	8.38085	8.20394	8.43605	8.71458	8.51297	8.86457	7.77962	8.6757	8.31815	8.11615
BAGE	2.42202	2.33043	1.62819	2.72987	2.67244	1.38955	2.24796	1.93478	1.8448	2.25844	1.96883	2.18711	3.42753	2.295	1.76515	2.52728
BAHCC1	4.9654	4.67342	4.99358	4.35094	5.19619	5.27341	4.01168	4.54145	4.46421	4.5022	4.79429	4.30055	4.79981	4.78582	4.83215	4.93921
BAHD1	7.55124	6.89574	8.16058	7.86571	7.19745	7.15739	7.38979	7.84398	7.89617	7.45317	7.06726	7.89195	7.76863	7.99228	6.879	7.49508
BAI1	7.8321	7.38866	7.4124	7.37115	6.90891	7.27445	7.28385	6.94777	7.23912	7.13305	6.68395	6.88363	6.14424	7.24588	6.97771	7.30969
BAI2	6.17611	6.11947	6.58244	5.63752	5.71666	6.94359	6.03743	4.42433	4.87322	6.06544	5.64806	5.05705	5.75797	6.19649	6.55352	5.84122
BAI3	3.79285	5.13733	3.33748	4.49276	5.35106	4.84616	3.30279	2.85757	2.51876	5.78593	3.96304	3.9077	4.21854	4.09979	2.85812	3.85595
BAIAP2	6.16601	5.35506	4.24124	5.77304	4.88734	5.40235	6.79839	4.83068	5.18831	5.7287	5.35512	4.28892	4.2279	5.63984	5.16681	4.77579
BAIAP2-	6.55414	6.42187	6.2358	5.94251	5.89549	6.59548	6.58543	6.61056	6.39618	6.02088	5.43256	6.28545	5.67573	5.91215	6.93472	5.99556
BAIAP2L	8.91995	7.2634	7.17305	7.85021	8.05562	7.63792	7.81268	6.84156	7.67745	7.31491	6.90567	7.09937	7.32824	8.03983	8.67112	8.09882
BAIAP2L	2.99422	3.27868	3.65968	3.17801	3.134	2.68484	3.51391	3.40607	2.99117	3.86158	4.04754	2.42836	3.40772	3.5135	3.41197	2.97028

BAIAP3	6.97684	5.08387	4.1135	6.66742	3.51754	5.26966	3.24511	5.6823	5.58393	5.38915	3.76414	5.08302	4.05033	4.29854	4.30829	3.40487
BAK1	6.54966	6.73923	6.34726	4.22106	6.68711	6.52577	6.42879	7.18328	7.22574	5.52355	8.64201	7.90962	6.84849	5.91948	6.52564	6.72304
BAMBI	8.06993	7.89413	8.08518	7.21296	7.78519	8.76701	7.34287	8.53336	7.66374	8.98153	6.4869	7.61499	8.35093	8.05925	7.2277	7.87248
BANCR	3.84315	1.88256	3.46771	3.6357	3.65448	3.68688	2.8619	5.21589	3.31034	3.172	7.07279	3.38388	4.73847	1.6809	3.67604	3.92452
BANF1	6.79252	7.31058	5.90894	7.73058	7.31319	7.57023	6.82297	6.33219	7.40489	6.84064	7.63045	7.40643	7.78045	8.36147	7.40139	6.51033
BANF2	4.93295	2.81246	3.77762	3.61465	3.36671	4.05393	4.03876	4.41679	2.73661	2.69205	3.53424	3.51602	4.14977	5.37493	3.47504	3.31065
BANK1	6.47449	8.85441	8.04991	8.80376	8.03245	7.81677	5.46554	7.46213	7.27451	6.13292	6.27213	8.4383	5.49741	5.19701	7.60892	7.03543
BANP	8.62832	8.53555	8.63028	8.76514	8.35151	8.51015	8.80081	9.00505	8.42443	8.11404	8.37443	9.13234	8.2105	8.69304	8.65431	8.65357
BAP1	6.56645	6.71502	6.08731	6.47269	6.28311	6.26423	4.69861	5.9784	6.23544	6.82086	7.17328	7.44226	6.55362	5.40753	6.08881	6.60467
BARD1	7.10758	6.39176	6.43747	6.49265	6.36684	7.17415	7.51898	6.93224	7.56369	6.09232	7.33526	6.54574	7.22466	5.92122	7.02816	7.44541
BARHL1	3.69182	2.99228	3.72982	3.99755	3.50802	3.24275	3.40901	3.49069	3.6792	3.44491	3.0131	4.16718	3.77256	3.01384	3.25706	3.42878
BARX1	3.09851	3.16637	3.30294	2.98748	2.89774	3.391	4.89377	5.93603	5.14845	1.96807	1.85273	4.74678	4.48458	3.27909	4.62482	3.01871
BARX1-A	5.08775	4.90215	5.36713	3.13915	3.38334	4.58019	3.57168	5.57186	3.46459	3.42914	5.41671	3.3733	3.67703	3.39861	5.8714	3.0606
BARX2	6.18875	6.88208	6.95784	7.02275	7.02275	7.21923	6.37591	6.25598	7.47582	6.57312	6.82523	7.60767	6.91213	6.75623	6.83558	6.93646
BASP1	8.02161	8.12358	7.84679	8.3171	6.66929	7.83761	7.3443	8.25798	8.37378	7.44928	7.46505	8.26769	8.04702	6.71186	7.52444	7.32463
BATF	8.25579	8.64603	8.62607	8.98978	8.40523	8.37315	7.50417	8.0296	7.81475	5.98834	9.19498	8.91995	8.86357	8.24645	8.42133	8.11688
BATF2	5.89078	5.9748	6.60455	5.4746	6.02014	5.03715	5.45881	7.01074	6.73719	3.00855	8.29176	4.72621	6.30993	6.10593	6.26213	5.5809
BATF3	6.0458	6.18578	6.75745	6.57501	6.3335	6.54728	6.00238	6.53713	6.7838	5.75038	7.98921	6.37487	8.10362	6.60805	6.96636	6.81862
BAX	4.61448	5.47955	5.49063	6.09815	5.20936	4.55416	3.4642	2.33582	4.48144	5.18508	7.11602	8.04043	5.06187	5.37698	5.1579	5.05327
BAZ1A	7.64749	7.3755	8.11781	7.75127	8.22515	7.76259	7.50184	8.10258	8.27473	7.20767	8.58309	7.7726	8.35151	7.70612	8.00923	8.12631
BAZ1B	4.57279	4.28869	5.05688	4.56051	4.99121	4.77367	4.27298	4.56108	5.06115	4.9277	4.08055	4.45067	4.72556	4.39175	4.28379	4.84871
BAZ2A	4.62548	4.92635	4.73656	4.5873	4.21691	4.32759	4.40737	3.73075	4.80845	4.1225	5.29087	4.95066	4.108	4.78521	4.53756	4.51121
BAZ2B	8.8844	7.97957	8.26668	7.26724	8.69651	8.31583	7.6003	8.38415	8.8088	8.65925	7.60958	6.28872	8.61308	7.90928	8.72673	8.56737
BBIP1	7.02888	5.36435	5.51836	7.14589	5.48278	6.56163	6.23199	5.22992	5.7957	5.88851	6.20022	5.32594	6.36872	5.86557	6.01651	6.0054
BBOX1	7.51388	7.35432	7.18865	7.87403	6.32283	8.11503	6.48592	5.82161	9.53523	8.03524	5.88871	7.09619	6.48536	7.79159	8.66141	5.27933
BBS1	6.04515	6.07332	5.70383	5.61798	5.60281	5.71853	5.98895	5.7102	6.39014	5.70584	5.64024	5.66353	5.47715	5.65114	5.68446	5.63587
BBS10	7.05317	6.05559	5.52828	6.30541	7.08593	7.19897	7.64749	6.45541	6.493	5.69188	6.01513	5.3582	7.1947	7.40722	7.30479	6.8537
BBS12	7.6187	7.43691	6.72166	7.46703	7.39312	7.31528	6.43655	7.29091	7.53474	7.13022	6.533	6.69829	6.78161	6.89636	6.41977	6.3411
BBS2	8.71651	7.72117	7.91644	8.34233	8.02589	7.65498	7.21412	7.83571	7.55124	8.26381	7.24395	7.32389	7.32228	7.51042	7.4535	8.1215
BBS4	7.68737	6.40621	6.6025	6.41213	6.73246	5.92501	4.97832	4.73468	5.55737	6.59719	6.33157	6.88989	5.1367	5.56771	5.5426	5.34179
BBS5	3.02599	2.99228	1.85463	3.73945	2.42207	3.55971	3.8062	2.78286	2.5663	2.07832	3.88263	2.63249	3.42036	2.74868	1.92074	1.66002
BBS7	6.381	5.52374	5.77556	6.38327	6.72516	6.30626	6.36582	6.35206	5.78393	5.94472	6.91463	5.80477	6.32263	6.01587	6.49631	6.43116
BBS9	5.64142	4.81223	4.94341	5.49524	5.28273	4.94638	5.11002	4.52313	4.82236	4.44723	5.20188	3.95124	4.92491	4.61897	5.08801	4.18506
BBX	6.59677	6.31668	6.99578	6.96411	5.63729	6.6295	6.633	5.1106	6.7918	6.0743	6.22768	6.56664	6.33819	6.22105	6.48682	6.84318
BC01018	3.25147	2.89801	4.05393	3.08274	5.35171	4.15792	4.03876	2.07548	3.27349	3.50939	3.65202	3.33905	5.52441	3.49255	6.0246	3.38208

BC01219	4.71569	4.68339	2.94797	4.10198	2.29738	1.73976	5.0271	4.31688	4.32124	2.97414	3.14656	1.80953	4.93183	2.79431	3.61218	3.60117
BC01515	4.4643	3.76552	4.93219	4.07722	3.94739	3.6256	5.32281	4.18478	4.28137	4.93851	3.06624	4.05356	3.77256	3.8419	3.4886	3.89582
BC01636	3.87518	1.35876	2.63513	1.11532	2.47594	1.85868	2.8619	4.67009	1.69898	4.20362	3.55809	2.84585	0.57957	0.8165	2.65173	1.37509
BC01720	2.27273	2.26456	2.85145	2.1445	2.89774	3.0658	2.5047	1.91261	1.69898	2.97414	1.15042	2.71947	1.68682	2.16332	2.16493	3.01871
BC02106	4.88056	5.11644	6.25094	4.47048	3.26091	4.5181	5.47072	3.99573	5.83403	3.47656	4.00564	3.01775	5.68275	3.71992	3.97261	2.45954
BC02204	7.67042	7.31725	8.55293	8.32579	7.36932	8.10604	8.35355	8.20643	7.66664	7.8905	7.21144	7.60416	7.60983	8.20539	8.24533	7.72665
BC02289	-0.238	1.91586	4.52824	4.38405	3.73118	4.69801	2.98815	1.3689	3.80565	0.18982	2.90046	3.66815	3.89335	4.30792	3.7365	0.9979
BC02320	5.29504	3.74825	3.23213	3.04143	3.98376	4.20319	2.90726	6.45798	6.08039	4.14078	3.06624	6.16473	5.26645	4.07659	5.89237	3.04866
BC02416	4.49101	1.49036	4.60079	3.53793	4.62927	5.2498	3.95924	4.08791	4.43347	4.46917	3.99549	4.71106	2.6465	3.58891	3.04901	2.36473
BC02744	6.20644	6.02713	5.89143	6.67366	6.43815	6.26114	5.91357	7.11366	6.49514	6.91622	6.09917	6.74365	6.93556	6.32129	6.76772	6.1633
BC02804	5.75738	3.71942	5.21903	5.79284	3.97307	5.17093	5.2912	5.49051	5.41662	5.2129	3.80377	5.45382	6.21022	5.91704	3.51602	5.91594
BC02867	5.42243	4.29638	4.9112	4.6281	3.73118	4.41713	3.71929	6.59641	5.17084	3.8925	3.77904	4.56642	3.85528	5.73322	5.15918	4.52387
BC03015	8.38789	8.30556	8.05692	8.09287	7.31389	7.69724	7.77756	7.74219	6.94752	7.74515	7.85642	7.98438	7.38598	7.44712	7.18606	7.36492
BC03241	4.98831	3.29336	5.07599	4.24792	4.3009	4.50343	4.01411	4.467	3.89358	4.31413	3.14998	4.59114	3.7385	4.39215	4.31281	3.5856
BC03316	5.69349	6.30196	6.94914	5.71324	4.648	5.74383	4.88202	5.83208	6.8657	5.55308	5.40569	6.43048	6.17799	6.00821	5.62812	5.92292
BC03324	3.28382	1.84587	0.64602	0.78709	2.2597	2.39513	2.1009	2.70064	1.92414	2.72148	2.38828	1.80953	1.35312	2.70047	2.3168	1.92725
BC03441	2.88015	3.34445	3.14177	2.90159	2.61273	3.22527	3.12496	3.19037	3.06765	2.61134	3.24563	3.3015	3.00618	3.36587	2.81201	3.20278
BC03444	4.6779	6.2297	3.97828	5.84845	5.29588	6.08074	5.91096	5.7457	5.24814	6.06884	5.69572	6.3934	6.38344	5.28671	4.9796	6.10931
BC03478	4.9403	3.42761	4.78184	5.52175	4.3537	5.07913	4.12999	2.83945	5.29959	3.21812	4.77423	5.45089	5.85266	5.4874	2.72952	3.23061
BC03540	5.75916	5.33781	4.89489	3.08274	4.04328	3.52398	3.0573	3.55509	4.72987	2.50603	2.79035	4.89553	5.23884	4.07659	4.34246	3.27231
BC03620	1.70087	4.10265	1.97795	3.41062	0.20638	3.33634	4.34799	2.13755	4.99264	3.86818	2.73426	3.77334	4.62473	0.62135	4.09448	3.86818
BC03631	4.56185	2.1636	1.68451	3.42644	4.19738	4.38727	1.18021	4.59647	2.18568	4.97739	3.41787	4.89553	4.4107	4.51021	3.56833	3.62725
BC03820	3.09851	2.72769	5.03564	4.60376	4.87061	3.44117	2.98815	2.81438	2.47145	2.93344	2.54194	3.50641	3.21485	2.37224	4.48521	4.38335
BC03912	6.18447	6.36978	6.29102	6.35753	6.27004	6.25094	6.46361	7.03288	6.63893	7.03226	6.50549	6.67397	6.93789	6.51464	6.90183	6.49706
BC03931	5.52006	4.78923	4.11056	6.15228	5.23021	5.4046	5.02086	3.53745	3.63964	5.39029	5.44215	4.55254	4.76177	5.89027	5.00294	5.14895
BC03948	5.27357	2.29438	4.58037	2.45536	4.09689	5.23948	4.34799	3.50531	3.72995	4.78392	5.08582	3.91237	4.84193	5.00109	3.69726	5.22506
BC03967	4.12999	5.41954	4.51439	5.78685	3.56794	4.48115	4.55321	5.27102	5.23193	2.38782	3.54938	4.55964	4.78966	5.31833	4.44812	5.35219
BC03968	2.65839	4.18531	3.13257	3.1203	2.91487	3.03288	3.03237	4.43413	2.93758	2.07832	2.43603	3.55262	4.79774	4.68646	5.01627	5.08387
BC04031	4.0622	2.77081	4.86793	4.82835	3.42572	4.0873	1.63196	4.54565	4.79613	4.7154	4.3412	4.06056	5.20492	2.62575	4.54565	4.97647
BC04073	2.23882	2.61396	2.25072	1.89139	2.21727	1.68859	2.31492	3.0481	3.11326	2.2766	2.45719	1.69916	1.82475	1.4403	1.52655	1.15718
BC04083	3.56191	5.80439	3.46771	3.41062	5.5274	4.97599	5.05601	3.85505	5.71298	3.09196	5.45803	5.06151	5.10681	5.99767	5.56103	3.82879
BC04102	4.85757	5.96305	6.13739	5.4746	5.21582	5.78878	6.84616	5.69927	5.25322	5.87159	4.55446	5.00222	5.14236	6.47187	5.1764	4.86201
BC04136	2.21029	4.44401	2.99564	2.63639	4.28892	3.27349	2.47678	2.46648	4.29487	4.43223	1.32308	4.85258	2.59488	4.3596	5.38754	4.70821
BC04199	1.92303	4.22688	4.24573	4.1299	3.79424	5.00608	4.25043	2.23712	2.43603	2.2766	4.70133	4.49442	4.97252	4.85467	3.0951	5.5143
BC04202	5.09791	2.51658	1.82328	1.50761	3.9949	4.14087	5.20294	3.25357	4.43996	1.78758	4.9748	2.01179	3.90551	2.44811	4.5234	2.53538

BC04236	1.0625	3.64032	3.08807	1.06683	1.48455	1.53719	2.20014	2.21132	2.13825	3.82085	2.41572	2.01179	2.31554	2.05268	2.6136	1.96263
BC04237	2.65839	2.8813	2.82464	2.50291	3.01001	5.07507	5.0271	2.8638	3.94629	4.7154	2.50161	2.97562	4.52811	3.21424	2.23945	2.38828
BC04259	5.39763	3.56819	3.79162	6.0002	5.00713	4.85358	3.03237	3.84143	6.03972	4.30135	4.54346	4.82307	5.28614	3.09139	2.79339	5.23232
BC04322	4.67215	2.07729	2.79272	4.61163	0.75071	1.26539	2.90726	1.51119	2.03262	4.15112	2.36593	1.94688	1.68682	3.3814	1.4899	2.88582
BC04329	4.78908	5.17489	5.51991	5.2261	2.10233	5.582	5.82817	6.53424	3.11326	4.94262	5.15565	6.08574	6.13739	6.16386	3.93945	5.62406
BC04335	5.40753	5.63336	5.53579	5.21663	4.54126	5.20294	5.55517	5.52231	5.9151	4.79873	5.83329	4.80682	3.44604	4.50167	5.04748	5.28694
BC04354	3.05176	2.50499	2.43232	2.39414	3.02373	2.54613	3.21303	2.41935	2.30303	2.76343	2.69383	3.13529	2.47412	3.19708	2.46648	2.62644
BC04459	8.1215	7.91588	7.94631	7.97364	7.28003	7.44971	7.79766	8.16729	7.60537	8.27798	7.0852	7.67994	7.86944	7.48663	7.9785	7.46579
BC04461	5.00904	5.20662	6.04656	3.66594	5.50605	5.18115	4.81522	5.157	5.41128	5.45776	5.52936	4.52123	4.67307	5.69164	5.57414	4.93639
BC04555	0.9979	2.41683	1.19537	1.26539	3.73118	0.27064	1.95222	2.34717	2.18568	2.04282	1.48752	1.54854	4.46058	2.48051	1.61881	2.31622
BC04556	4.77121	5.59022	5.8266	5.13767	4.76678	5.85098	5.74842	5.12208	5.6426	5.25952	5.23391	5.63434	5.21576	5.25618	5.82773	5.66749
BC04577	4.16384	3.64032	2.79272	2.85497	2.76484	3.72561	2.78886	4.87944	2.88086	5.00061	2.68367	3.71438	2.52228	5.09791	1.6611	5.25696
BC04578	2.21029	5.05825	2.04684	4.88004	4.12453	4.05393	5.06647	3.8281	1.76451	1.35594	1.7041	1.69916	3.57524	4.67459	4.17392	1.70353
BC04578	5.80361	6.7638	6.04001	5.77571	5.56052	5.67328	6.20463	6.84472	5.83403	5.54577	5.81025	5.83259	5.61969	5.67243	5.61104	5.45261
BC04578	3.9591	4.44401	3.97828	4.99227	4.34735	4.62473	4.46025	5.50242	1.92414	5.25952	0.41243	3.39606	1.89786	5.13036	3.20278	2.81134
BC04579	3.6565	4.96244	5.14196	5.11677	4.50197	4.63716	3.10453	5.1459	5.81758	5.40509	4.12088	4.96683	5.77286	4.10225	5.22992	3.62113
BC04580	2.83473	2.36797	4.90711	3.3738	2.71531	3.24275	2.56625	4.48907	3.04535	5.2535	3.56921	5.12821	3.72312	3.46534	4.32654	3.39583
BC04736	5.19782	5.47492	4.94061	5.96025	3.91616	4.84284	4.79031	5.26563	5.93318	5.34336	5.05683	5.49238	5.15588	5.36454	5.32594	4.82236
BC04748	8.34337	8.4593	8.52243	8.20256	7.78272	8.08992	7.89596	7.70384	7.4838	8.44607	7.76557	7.81677	8.18581	7.73231	8.73206	8.25461
BC04761	4.78107	4.56226	4.38727	3.53793	3.14557	5.21505	4.86994	5.42632	3.04535	3.82085	3.65202	3.04581	5.21576	5.14737	5.00761	5.85506
BC04762	5.17869	4.52298	5.56009	3.8462	5.6902	4.34547	5.5974	6.74268	3.71298	5.13703	4.51992	4.21622	3.71375	5.20089	4.06918	5.26217
BC04764	4.66752	5.18234	6.65179	6.42442	5.03761	6.15904	6.63097	7.06858	6.04212	6.49114	6.76727	7.04923	7.04514	7.04587	5.85731	6.49221
BC04765	4.39937	2.77081	5.03262	2.67969	2.47594	4.79243	5.42833	5.02925	5.27854	5.33725	5.06631	4.01677	3.44604	4.42968	4.85535	3.71736
BC04813	4.52618	5.1507	5.1367	4.61877	4.62927	4.95513	4.89377	4.89413	4.24836	4.79873	4.95972	4.71106	5.54416	4.84817	4.88139	4.06288
BC04814	5.75916	6.15674	3.90511	6.62977	6.35143	6.35116	6.71054	5.75589	5.77903	6.27933	6.26498	5.44722	6.77795	6.71904	6.40392	5.40805
BC04842	4.67215	2.07729	4.8528	4.98755	2.63482	2.5608	2.96225	3.56906	3.69577	5.36306	4.01138	2.46803	2.88174	5.09791	3.67604	4.68101
BC04899	4.16955	4.95856	5.36371	5.42404	4.74792	5.25333	5.31453	4.90215	4.06039	3.5256	5.10961	4.93488	4.35356	5.4378	5.54701	4.33222
BC05395	5.35597	5.21138	5.55482	5.19961	4.81051	5.80045	6.16746	6.03916	4.71298	5.20755	5.3948	4.73008	5.69421	4.14195	5.5192	5.8566
BC06275	7.72752	7.70847	7.85896	7.79314	7.83864	7.82597	7.32161	7.54991	7.37522	7.98479	7.16146	7.34263	6.91213	7.29274	7.28242	7.28407
BC06276	5.05401	5.9363	5.91082	5.8181	6.00176	3.44117	3.63379	5.49803	6.04427	3.65408	5.63617	5.64806	4.02061	4.27418	5.86997	5.37386
BC06900	6.51608	6.63674	6.70042	6.18076	6.17554	6.47506	6.36119	6.54134	6.59019	6.1908	6.60043	6.72429	6.44624	6.6449	6.61895	6.48543
BC06973	2.65839	2.69344	2.96792	5.57471	2.68714	3.94666	2.15094	3.49069	2.76258	2.44811	2.38828	3.9057	2.04398	2.41572	2.54889	5.02291
BC06975	5.68623	5.95993	5.47111	6.29983	5.84579	4.86372	5.94871	6.16644	5.71676	3.87941	5.21642	3.85447	4.31215	5.81078	5.51275	6.18726
BC06977	3.99584	5.27758	5.61026	5.18602	5.41899	6.18539	5.58083	5.87608	5.76872	5.74224	5.68695	5.89092	5.59895	5.83086	5.42944	5.22223
BC07011	4.50587	3.95879	3.88236	6.62241	4.89365	5.302	6.32792	4.74277	7.4001	4.39917	6.26498	6.0005	4.31215	4.06652	4.21327	5.92292

BC07049	5.39763	3.74825	3.49445	3.42644	4.648	2.93381	2.63794	4.51056	3.91489	4.02075	2.80891	2.64907	2.81611	3.16811	3.00483	4.94079
BC07983	2.08404	1.9808	2.44429	1.96731	2.53024	1.995	2.47678	1.99703	2.25875	2.12186	2.24458	2.04143	2.07729	2.22838	1.92074	2.28681
BC11395	2.81334	2.53824	2.52296	2.4789	2.29738	2.81599	2.20014	2.46648	2.25875	2.80132	2.41572	2.34474	2.75699	2.41572	2.70965	2.49784
BC13059	4.31556	4.45523	3.9258	5.5987	2.94105	4.34547	4.31322	5.29334	5.06749	5.47132	5.04878	4.53637	5.38659	3.49255	5.20755	3.76737
BCAM	4.57686	5.04544	3.84597	4.56413	4.37922	4.13874	5.04032	5.48088	4.47233	4.35178	5.0999	4.6921	5.12539	4.75687	4.10622	5.08498
BCAN	4.51459	4.978	5.3021	4.79043	4.60697	4.82056	5.34415	5.97187	5.42632	4.75355	5.22765	5.47986	5.12561	4.52282	4.95828	5.55865
BCAP29	6.1326	6.43637	6.54125	6.42897	6.63705	6.50406	6.62616	6.67644	6.46075	6.69265	6.65691	5.85869	6.81217	6.18324	6.98343	6.9764
BCAP31	10.0218	9.61651	9.82232	9.87831	9.31793	9.67232	9.27414	8.37834	9.88096	10.3228	10.2374	10.0629	9.49763	10.3502	9.43414	9.65415
BCAR1	5.17737	4.61408	5.07404	4.47732	2.90919	4.59228	4.94042	3.91828	5.40961	5.3128	5.26984	4.88015	4.37118	4.49983	3.38168	3.99461
BCAR3	7.27464	7.38616	7.3775	7.48777	7.44019	6.61147	7.81833	7.55351	7.10387	7.47931	6.97084	7.01426	6.35743	7.09007	6.64457	7.13062
BCAR4	4.49101	4.67521	2.90619	4.86331	5.55642	5.84566	5.61119	5.17831	5.49837	4.27479	5.14516	4.9875	5.35451	1.21564	5.47823	4.77196
BCAS1	9.28236	8.17784	7.9976	8.154	6.98813	6.31673	8.77241	7.51548	7.51396	7.78858	6.70155	7.07057	6.32792	7.69278	6.48103	6.33645
BCAS2	9.26918	9.77389	10.2415	10.2725	9.98814	9.26548	9.42515	9.88284	9.49763	9.73065	9.85932	9.94645	9.819	9.36777	9.70398	9.86652
BCAS3	6.14693	4.43372	4.22425	4.58588	4.21924	4.22923	4.30475	4.13045	6.03712	4.36468	3.8679	4.29394	4.8922	3.90216	4.50446	3.24808
BCAS4	6.46888	5.91387	5.97806	6.50257	5.78962	6.1584	5.86382	5.52122	5.86603	5.46099	5.95498	6.2564	4.8846	6.60701	5.81369	5.74303
BCAT1	5.75171	6.22938	6.57067	5.87283	6.95926	5.70357	6.25061	6.57101	6.70802	6.59049	7.19128	5.95685	6.60354	5.55036	6.5239	5.69433
BCAT2	5.37997	5.33851	5.1601	4.61987	5.82328	4.85535	5.37493	4.81223	5.32165	5.24111	5.08426	5.2924	5.4378	6.20554	4.78762	5.78927
BCCIP	7.76799	7.45894	7.54029	7.75388	7.83011	7.63362	7.0023	7.94402	8.00923	7.84768	7.98276	7.57741	6.791	7.91926	8.09594	7.90443
BCDIN3I	8.08567	7.45266	7.44529	7.62912	7.30197	6.88851	7.34801	7.57891	7.55124	7.32935	7.44046	7.5095	7.47799	7.69585	7.53981	7.759
BCDIN3I	6.06505	4.59589	5.07878	5.949	4.34547	4.74464	5.7268	5.01322	4.29343	5.36466	4.35308	4.43432	5.19994	4.75654	4.1611	4.02201
BCHE	3.86261	1.94258	4.56634	4.36112	4.81676	6.30551	4.46025	4.13045	4.95856	3.92077	4.59792	7.15117	4.27078	4.75121	7.11993	4.58777
BCKDHA	6.98832	6.99203	4.13924	7.64031	6.74406	6.89488	7.18371	5.38853	7.03332	7.79439	6.07883	7.45812	7.94437	5.78062	7.43817	7.54269
BCKDHE	4.24599	4.72736	3.14725	4.80306	4.97729	3.45549	3.40139	4.10686	2.79997	5.05229	4.68519	3.00268	2.87252	5.69581	4.32344	3.91906
BCKDK	6.60169	6.35195	6.3346	4.48486	6.93829	6.04396	4.06264	6.21697	6.74939	7.51158	7.25599	7.09732	6.76392	7.17565	6.91343	5.92868
BCL10	7.27538	6.86735	6.25491	7.63825	7.42946	7.30569	7.4644	7.22538	6.99511	6.72968	7.56065	6.76563	7.98438	7.25138	7.23209	6.97927
BCL11A	7.72378	7.52876	8.46622	8.54009	8.14368	8.79141	10.167	6.47821	8.47306	6.16815	6.19667	7.39737	8.78314	8.03432	9.26606	8.98841
BCL11B	6.83535	7.18281	7.96835	8.02205	7.32741	8.04702	7.1371	7.29564	7.48798	6.03446	6.06691	7.64589	6.31219	6.43268	7.25372	6.68352
BCL2	4.98334	4.84137	5.16375	5.01642	5.70391	5.00061	5.52936	4.51562	4.96847	4.28169	5.15309	4.43542	6.1892	5.33652	5.42053	5.30066
BCL2A1	5.81705	7.22682	7.52405	7.05931	9.58912	7.06345	5.60753	9.25806	7.4001	6.21895	8.76808	6.61919	9.49038	6.46975	7.66548	9.98579
BCL2L1	5.88851	5.06033	6.09675	5.18845	5.29643	5.58076	4.78612	5.15859	5.2156	5.5628	5.07446	5.36067	6.22295	4.99883	5.5459	5.43821
BCL2L10	4.64564	3.82899	3.8877	3.82141	3.5606	2.90323	4.68245	4.77579	3.67122	2.73594	4.12698	2.83786	3.44149	3.17599	3.55672	4.54346
BCL2L11	6.74515	7.03578	6.81521	7.02701	7.39781	7.36816	7.14464	7.2954	7.18753	6.70583	7.10875	6.95816	7.12799	7.48608	7.42774	7.36913
BCL2L12	6.74418	7.36164	8.02589	6.82876	6.82191	7.47497	7.3161	8.19936	7.03517	7.62016	7.32123	7.49429	7.70063	7.10496	7.31148	7.64016
BCL2L13	5.48041	6.15307	5.98617	5.52006	6.34034	6.20495	6.01341	6.08964	5.30117	5.59	6.15875	5.7047	6.25512	6.82022	5.7566	5.71755
BCL2L14	3.89038	3.43133	3.90154	3.99287	3.49231	4.15464	4.87189	3.70161	3.50233	3.36917	3.8649	3.39841	4.9467	3.34075	4.14769	4.67653

BCL2L15	6.4795	6.42617	6.54712	6.1556	5.60943	5.67434	5.47715	4.62548	5.87942	5.83775	5.80526	5.51296	5.12455	5.18175	5.22214	5.0545
BCL2L2	6.34271	5.9621	5.49882	6.14674	5.95253	6.16082	6.22768	6.49447	6.13777	6.41511	6.08478	6.23151	6.51148	6.35133	6.50434	6.21895
BCL6	7.52731	6.5515	6.75886	6.51087	6.18589	7.27109	6.85234	5.75684	6.74779	6.47903	6.26403	6.62977	5.95001	5.94974	6.57488	5.73265
BCL6B	5.93259	5.81021	6.07982	5.75038	5.82241	5.79319	5.98247	5.63022	4.94486	5.82698	5.87249	6.26114	5.0905	5.76919	5.54831	5.06667
BCL7A	6.05942	6.22501	6.24943	5.73816	6.35027	6.69111	5.96305	6.22203	5.1141	5.51774	5.78483	6.45669	6.29463	6.6551	6.66049	6.562
BCL7B	7.74945	7.52217	7.61243	7.8922	7.60958	7.16167	7.0936	6.69482	6.92074	7.14716	7.32503	7.88093	7.85153	8.10258	7.85515	7.85319
BCL7C	6.44898	6.31971	4.72271	6.60156	3.48434	6.61147	2.70047	3.41422	4.14509	3.5256	7.14768	7.77319	6.91418	6.46975	3.81591	3.9365
BCL9	6.15404	5.36162	6.20943	4.81051	6.33628	6.4479	5.99786	6.6076	6.99984	6.40916	5.75467	5.78361	6.45075	6.22844	6.22635	6.2223
BCL9L	6.68544	7.3591	7.74678	7.64286	6.15028	7.05684	7.40994	6.8537	7.18309	7.4913	6.82985	7.90074	7.27669	6.93064	6.61185	7.6183
BCLAF1	6.2395	6.50605	6.28053	6.49835	6.92836	6.48637	6.64693	6.46461	6.65833	6.41627	6.92499	5.97293	6.86998	6.2802	6.54757	6.41563
BCMO1	6.20767	6.10602	4.60388	5.95408	5.47955	4.78796	5.67516	6.2512	6.00991	6.08344	4.43233	5.61554	5.88189	6.29815	5.70391	6.12053
BCO2	9.31398	6.82532	6.82616	7.75674	6.60593	5.85906	6.57265	6.74767	6.62111	6.51425	6.1126	6.65691	4.03129	5.56916	6.74952	5.70264
BCOR	6.51946	6.55858	7.21675	6.59438	6.73729	6.84787	6.75415	6.65226	7.12749	6.15065	6.99387	6.34271	6.71089	6.63235	6.83019	6.7418
BCORL1	4.97556	5.65267	5.13985	4.86639	4.89742	5.01642	5.19085	5.129	5.51334	5.2924	4.98248	4.61007	4.95126	5.56468	4.74959	5.4471
BCORP1	6.3245	5.02245	5.28484	3.21843	6.23507	5.89174	5.1034	5.25678	5.63875	2.5437	3.16885	5.49559	5.43532	4.41097	5.8714	4.60548
BCR	6.88386	6.43039	6.33063	5.81438	6.1846	6.0104	5.68932	5.41338	6.54319	6.5596	6.45064	7.2634	5.44924	6.72716	5.78989	5.70136
BCRP3	3.3579	3.57057	3.52708	3.1863	3.60061	3.13704	3.33839	3.32497	3.86205	3.60106	3.36247	3.19159	3.33505	3.70072	3.32776	3.14028
BCS1L	8.28729	8.09678	8.31881	8.33034	7.89238	8.39116	8.17252	8.16993	8.06128	8.2871	8.40893	8.6233	8.49751	9.05969	8.47257	8.86928
BD49572	6.60644	6.48524	7.12292	6.38687	3.24511	7.18981	7.30909	6.47688	6.32843	7.32647	6.4066	6.41949	6.10907	5.55115	6.61895	7.53288
BDH1	5.22673	5.63984	3.40648	4.80261	4.85833	5.06115	5.67887	4.37418	4.56297	3.98617	4.99704	4.15843	4.71641	4.88861	4.39545	4.49898
BDH2	7.51567	6.96768	6.79281	7.44518	7.2577	7.28473	6.57174	6.841	7.03131	7.62671	6.92196	6.64035	7.05787	7.05016	7.2218	7.25372
BDKRB1	6.86019	6.18222	6.64445	6.85031	6.10593	6.95088	6.95294	7.34333	6.24633	4.76479	7.12292	7.15406	5.77662	6.94865	6.39835	5.8608
BDKRB2	6.26381	4.70756	5.53434	4.21125	3.41088	2.39513	4.86471	6.5042	5.94746	4.19403	7.04039	3.71438	3.97703	4.68646	5.8839	2.12859
BDNF	4.50759	3.78428	4.19738	3.91868	6.46638	3.17881	4.86678	4.22224	4.35656	2.40841	4.21256	5.05491	5.28471	6.85882	4.84137	3.69908
BDNF-AS	2.90671	2.71947	1.25098	4.02516	1.23502	2.22967	3.15051	1.41342	1.67217	1.85273	1.04955	1.22235	2.21984	1.51008	1.90277	1.63986
BDP1	7.03353	6.9261	7.3118	7.33722	7.12866	7.00217	7.26586	7.28046	6.78435	7.06179	7.11405	6.14674	6.89281	7.04151	6.73545	7.23955
BEAN1	4.16384	3.19069	5.53096	5.44738	5.15416	4.61747	5.37804	4.69169	5.155	5.37429	4.70546	3.405	2.5663	4.86024	2.9127	3.38208
BECN1	5.88826	5.71831	5.70357	5.75828	6.72015	5.91054	5.00749	5.94198	6.26381	6.47672	6.86998	5.92277	6.0554	6.2118	6.1691	6.45319
BEGAIN	6.39626	6.96438	6.56431	6.41332	6.2982	6.24355	6.06525	5.96686	6.23887	6.50329	6.6448	5.57353	6.50689	6.93102	5.71218	7.18834
BEND2	5.64371	5.88181	5.29126	4.54239	4.9039	5.26406	5.94594	6.19397	5.02776	2.50603	5.78805	4.14691	5.67735	4.44205	4.74768	4.24336
BEND3	7.13947	7.0247	7.33587	7.013	7.26586	7.61974	7.50832	7.53012	7.39805	7.18769	6.1126	7.32079	6.69536	7.25023	7.26223	7.50788
BEND4	6.01609	5.66008	4.71852	5.94456	5.49192	5.66145	4.23557	5.13175	4.96044	5.11788	5.10495	5.47346	4.96357	4.27723	5.5751	6.43637
BEND5	4.26048	3.57604	4.15353	4.02718	3.6339	3.4834	3.93385	3.80054	2.79534	3.47019	2.61419	3.13476	3.10996	4.34703	2.23187	2.78286
BEND6	2.95888	3.49642	4.04104	4.11284	3.96928	5.12101	6.56131	4.6971	4.61448	3.0432	3.18907	3.59587	4.47294	3.18721	4.43867	3.76249
BEND7	4.74803	4.74067	4.37724	4.7818	3.91425	4.26138	4.24728	4.43897	4.49015	5.35185	4.31594	4.23557	4.87525	3.65202	4.57076	3.90824

BEST1	4.45735	5.08609	4.78582	4.22701	5.45866	4.38442	4.69896	6.01651	6.57712	5.30066	5.9914	4.62298	5.54756	5.72232	4.91432	6.07332
BEST2	1.60375	1.7774	2.50291	3.04143	1.64332	1.85868	7.87346	2.10233	1.45473	1.43866	2.3203	1.59868	1.53958	1.97057	1.4899	1.45205
BEST3	4.51913	4.79719	4.62117	4.22389	4.68857	4.41443	4.35866	4.95126	4.66774	5.0266	4.22771	4.23617	5.25551	4.5782	3.79618	3.79639
BEST4	7.94351	6.58707	6.36933	6.74227	5.7441	5.92224	5.26618	5.93603	5.52164	6.46055	4.61448	5.05314	4.28649	5.28258	5.6718	5.45068
BET1	8.02205	8.48222	9.64026	9.27726	9.08964	8.5288	7.7356	8.35767	8.4259	9.1663	8.47782	8.28971	8.47096	7.83068	9.13461	8.91327
BET1L	5.48773	5.89013	5.85303	5.79382	5.61383	5.96515	5.54182	5.79136	6.18076	5.88734	6.17384	6.97525	5.70847	6.05574	5.85947	5.65592
BEX1	6.91463	6.05136	6.95289	7.15173	6.77772	6.51983	6.88475	6.96755	6.7305	7.8583	6.88759	6.52948	6.75602	6.59396	7.15117	5.9748
BEX2	9.0105	8.93342	9.1073	9.33951	9.38907	9.61578	10.9636	8.99912	8.63198	9.68695	7.3272	8.40127	8.06265	10.7876	9.28645	8.66913
BEX4	8.07728	7.89596	8.17784	8.56669	6.75796	7.08315	4.96187	6.44417	7.05573	8.9619	6.97084	7.72547	6.77365	6.63752	6.72954	6.62196
BEX5	8.41922	8.8719	9.09718	9.61231	7.7108	7.85853	4.08418	9.03581	7.26814	9.61505	5.60533	9.29297	6.42518	7.39338	8.29264	7.0622
BFAR	7.9507	8.01515	7.88503	7.51308	7.8025	8.03401	7.5276	7.48493	8.16548	8.20148	7.59703	7.82061	7.91711	7.85734	7.55198	7.59223
BFSP1	6.37512	5.97658	6.00252	3.8167	5.86129	6.67173	6.49304	4.38366	6.11965	6.87431	4.31274	5.90655	6.17299	5.5943	4.97026	6.12395
BFSP2	6.3245	5.61731	6.09644	3.6993	4.78187	5.34499	4.27634	4.06126	3.90229	3.47656	3.48511	4.25098	3.91647	3.52815	3.7365	3.82879
BFSP2-A	2.97631	2.92162	3.17475	2.16598	2.12955	2.13523	1.93768	2.01376	3.54848	2.61993	3.14136	2.37737	3.20642	2.61156	2.60621	2.52666
BGLT3	3.80647	4.47924	3.5252	3.33739	2.29738	4.12592	5.50962	3.73495	3.57258	3.97041	5.31852	4.52724	4.46842	2.86263	3.18863	4.06288
BGN	5.76382	7.0981	8.00533	6.57013	7.62466	8.52475	6.94323	7.25205	6.38629	7.87248	7.03398	7.86759	6.02088	6.73353	6.67705	7.08815
BHLHB9	6.36044	5.18956	6.36237	5.52496	5.93782	6.0029	6.56207	6.01952	5.85352	5.96196	5.4497	5.40857	6.19705	5.01656	5.77957	6.02513
BHLHE2	5.12281	5.10172	5.477	6.67783	4.70407	6.40159	5.61655	7.11075	6.14288	5.36859	5.44505	6.20232	4.61877	4.74007	6.2051	5.75265
BHLHE2	4.11079	3.41586	4.50237	2.34348	4.6969	1.90997	2.56625	4.73705	3.82945	3.34275	1.79233	2.38821	3.88172	2.18939	3.38625	2.71584
BHLHE4	6.56098	6.0522	5.73103	5.94746	5.87229	5.67192	6.2843	5.46187	5.74852	5.71586	5.90076	5.65363	6.18515	5.72779	6.11415	5.75684
BHLHE4	4.59328	5.1836	5.63182	6.35004	4.1352	5.53995	3.6498	5.48427	5.67796	4.92917	4.63984	5.23955	4.76747	5.10469	4.796	3.68869
BHMT	3.84315	2.04582	2.48448	4.0196	2.18367	3.46064	2.5047	3.10948	3.71298	4.56572	4.07031	3.65608	3.85528	2.72254	3.46534	3.82879
BHMT2	5.26406	4.43188	4.90967	3.90216	2.93063	4.37118	4.05943	4.54346	3.60158	4.70745	3.77609	3.50858	4.79343	3.93923	3.85394	4.86639
BICC1	5.59237	6.39825	6.17931	6.11761	6.04684	6.45583	5.11501	6.23325	6.23074	6.35534	5.477	6.22799	6.07849	6.11953	6.45319	6.26989
BICD1	5.8076	6.14498	6.78945	6.21719	6.27556	5.77556	5.59367	6.26018	6.16942	5.28829	5.87483	6.22394	6.02045	5.99873	6.15596	6.15488
BICD2	5.03262	5.768	6.04592	6.73573	6.20232	6.93089	6.12925	5.61473	6.45625	5.2998	5.72697	6.28381	5.74994	6.40411	5.87061	5.40895
BID	7.17234	7.55413	7.56925	7.46213	8.1831	7.61481	8.72304	7.75239	7.94301	6.87804	7.69659	7.28879	8.71651	8.33093	7.66502	8.24872
BIK	8.13683	6.6178	5.67516	6.3828	6.41069	4.36427	7.86759	6.90016	6.84198	4.44999	5.81261	5.8105	4.72178	6.52354	4.99358	8.22001
BIN1	6.6025	7.33526	7.09732	7.38024	6.73005	6.53395	5.93839	6.23037	6.6623	6.95554	6.49916	6.9116	7.27143	6.83716	6.48435	7.47747
BIN2	3.78698	4.1932	4.64876	4.31296	4.34735	4.4107	4.46025	4.91489	4.93727	4.37418	5.5734	4.59004	4.51744	4.19488	4.71122	4.59445
BIN3	7.26291	6.69613	6.56002	6.90215	5.55587	6.68437	7.11147	7.30969	6.76392	6.74964	6.75786	7.03265	6.68544	7.49549	6.6827	6.52948
BIN3-IT1	6.57122	5.63823	5.87779	6.1427	6.57801	6.04611	5.69257	5.5136	6.44361	7.28713	4.86304	5.11486	6.1916	6.381	5.96182	6.08232
BIRC2	9.94182	9.42515	10.0495	9.33697	10.2444	10.1309	10.0444	10.269	10.3283	9.86652	9.96657	9.50597	9.93674	6.66563	9.48206	9.65997
BIRC3	7.65275	8.22402	8.36086	8.13222	8.8528	7.8431	9.06063	9.68446	8.74249	7.68546	7.85776	7.65498	8.67666	6.66494	8.42097	8.09739
BIRC5	4.84606	5.63658	4.02826	3.31872	6.05682	5.35438	5.86299	5.75101	5.36625	3.38638	6.43957	6.00325	5.88955	4.81378	5.99084	6.21045

BIRC6	9.20565	9.18613	9.45518	8.74347	9.80853	8.96842	9.67513	9.35677	9.51582	9.05286	9.09316	8.58859	8.92659	8.75206	9.29827	9.69447
BIRC7	7.53361	7.39608	7.68776	7.68418	7.49656	7.1821	7.10409	7.01939	8.20284	7.49082	7.85319	7.69916	8.4084	6.68791	7.24867	7.68033
BIVM	6.34393	5.61919	5.50567	4.83543	5.96837	5.5093	5.94527	5.02776	5.40101	5.70599	5.64861	4.81568	4.9633	6.02445	5.72288	6.04297
BLACAT	6.7602	7.24474	7.24511	6.0945	7.11602	7.94608	7.60727	10.7467	7.24841	6.10884	5.79032	6.40749	6.88494	5.10272	7.3395	7.72841
BLCAP	10.783	10.6816	10.5789	10.3871	10.6494	10.9359	10.6769	10.6932	10.9164	11.0928	10.2039	10.389	9.98188	9.93918	10.5857	9.99505
BLID	4.10344	5.2229	5.90087	2.77414	5.0817	5.46747	4.75355	5.85352	5.37062	4.29458	4.05647	2.69934	4.88165	2.09344	5.28471	4.96683
BLK	4.63841	6.24911	5.26386	5.75684	4.50343	4.26862	3.33967	4.04442	4.30957	4.108	3.37183	5.41796	4.02546	4.5247	4.2696	4.51531
BLM	7.13947	7.61253	6.9261	7.66239	8.29662	7.54069	8.9973	8.86407	8.4102	6.84248	7.95868	7.15926	7.98082	7.53403	7.8444	8.36759
BLMH	5.44417	6.17352	6.17878	6.0617	7.01223	7.26533	5.84212	4.79259	6.39306	6.90986	7.44712	6.3948	4.65932	6.91031	6.35513	3.79382
BLNK	7.80863	9.29827	9.24862	9.02178	9.83019	10.4209	8.27821	9.64158	9.07205	7.81209	8.03799	9.20282	8.22239	8.53909	8.82517	8.13446
BLOC1S1	7.82469	8.2162	7.12385	8.27393	7.86216	7.79974	8.08028	7.51249	8.97654	7.70787	7.83068	8.09094	8.83304	8.24533	7.21707	7.75602
BLOC1S2	8.52003	9.65751	9.27414	9.61082	9.65415	9.62422	8.34789	9.17299	9.63071	9.37708	10.3074	9.43005	9.78359	8.71838	9.1358	9.24484
BLOC1S3	5.3089	5.37837	6.05821	4.91109	5.09667	5.32922	5.39815	4.9654	5.56117	6.38118	5.86603	4.87118	5.316	5.85696	5.95457	5.58141
BLOC1S4	6.9346	7.60305	6.78137	7.78548	7.28682	7.49443	6.14478	7.49719	6.5982	7.67787	7.36164	9.39265	7.62995	7.26435	6.93693	7.35723
BLOC1S6	6.02617	7.38917	7.95572	6.13912	6.86735	7.54204	6.40041	5.72647	7.70144	7.53607	7.56344	7.09572	6.80898	6.93297	6.99046	7.45153
BLVRA	5.95435	6.5312	6.74779	6.94813	7.36632	7.05016	7.72291	7.86265	6.62814	6.8763	6.82274	7.12487	7.21008	7.93534	6.68437	7.45459
BLVRB	9.32624	8.98666	8.39024	9.00415	7.96758	8.27118	9.21885	8.63747	9.06178	8.56106	9.16537	8.62008	9.06063	8.45605	7.5872	8.65782
BLZF1	5.23301	5.1344	5.86123	5.2192	6.27509	5.15554	6.33157	5.71961	5.7418	5.71193	5.71755	4.98927	5.88796	5.07404	5.89817	6.04492
BMF	6.2054	5.66145	5.55482	6.0617	6.37318	4.01812	5.99786	5.21149	5.72034	6.29905	5.46048	6.70425	5.42528	5.78705	6.24	5.95267
BMP1	4.68745	4.04818	4.31815	4.27547	4.56438	4.17633	4.14797	4.3863	4.41965	4.52689	4.34691	4.67368	3.6256	4.40483	4.20918	4.01138
BMP10	3.4567	2.13825	2.56774	4.50716	4.86578	2.95599	3.3753	4.18478	3.40648	3.49311	1.98377	3.58989	5.42243	2.79431	3.61778	3.58879
BMP15	5.98312	6.15147	4.26508	5.28498	6.19642	5.37003	6.27516	6.9154	5.53587	6.27471	6.10768	6.89972	6.28889	6.36872	6.04747	6.62122
BMP2	3.58364	3.69689	5.97023	2.86263	5.90179	6.3542	6.85158	4.17513	4.59609	4.3331	7.14421	4.81648	5.66702	5.26165	6.14304	4.02672
BMP2K	6.05165	5.49864	6.12544	6.18875	7.53069	6.27726	5.06452	6.81521	6.40473	5.22261	6.73129	5.96559	6.44232	6.44361	6.08061	7.03686
BMP3	2.27273	2.65522	2.17949	1.55195	2.61273	2.95599	3.00912	2.52957	2.25875	2.01376	2.63321	1.67664	3.32016	1.97057	1.97136	3.27231
BMP4	2.00108	1.9808	2.29132	2.06899	1.88842	2.89716	2.27576	1.31605	1.53958	3.53934	2.07483	2.24796	1.89786	3.10839	2.04035	1.54854
BMP5	5.18508	5.40826	5.39962	4.07326	4.56413	5.6905	5.12503	5.15941	4.89629	4.64211	5.40915	5.6595	6.77706	4.25882	6.03071	4.55172
BMP6	4.6265	5.9554	5.96744	5.23646	4.39311	5.09201	5.61936	5.29199	5.16123	6.0042	5.0464	5.879	3.1863	4.59228	4.67128	4.66808
BMP7	5.87129	5.48731	5.28021	5.44924	5.84269	4.77548	5.7065	5.03322	6.31363	5.02973	5.85303	6.32149	5.02563	6.18336	4.87464	4.74631
BMP8A	3.5826	3.3087	3.40607	2.82223	2.84291	3.10948	2.94521	3.54525	2.69383	3.11888	3.21303	2.9047	2.86953	2.56571	3.85359	3.07918
BMP8B	4.65169	6.01092	4.89403	4.82391	3.89634	4.16233	5.22581	5.31846	5.4645	4.8249	4.56473	4.49693	5.51248	4.72807	5.40895	5.79475
BMPER	0.73695	1.16965	1.95191	2.55745	6.07037	1.53719	5.97965	3.37974	3.19069	2.50603	3.94748	1.59868	1.22969	4.20074	3.27847	2.63794
BMPR1A	6.61987	6.80929	6.81431	6.88587	6.83608	7.04312	6.8181	6.76951	6.33638	7.33526	6.55569	6.61839	6.57122	6.88815	6.96741	7.05601
BMPR1B	7.21707	6.30759	5.67735	5.97943	4.25052	4.35243	4.26324	4.36385	4.77035	5.63203	4.96263	4.25972	5.43378	3.90701	3.80608	5.31529
BMPR2	5.10572	4.6923	4.96487	5.09913	4.76747	5.53126	4.51964	5.15526	5.12733	5.86299	5.31968	3.97409	5.08968	5.62336	4.8636	5.63471

BMS1	9.05078	8.98463	8.94055	8.97315	9.32624	9.16254	9.22826	9.77798	8.86149	9.0037	9.39963	9.34402	8.75124	9.30365	9.47711	9.01766
BMS1P2(	6.95257	7.63362	8.17853	7.7049	7.39834	7.84813	7.15117	7.33702	7.39781	7.73284	6.68022	7.5598	7.22925	7.59417	7.82975	7.08717
BMS1P5	5.05202	5.74852	5.73584	5.60407	6.28624	5.95297	5.9294	5.09612	5.64185	5.67778	4.98301	5.49685	6.08022	5.49037	5.18643	5.49051
BMS1P6	6.6295	6.56017	7.38798	7.44871	6.63133	6.92393	7.29078	7.06652	6.92604	7.81359	7.32272	7.56746	7.10988	6.8763	7.45812	6.49567
BMX	2.79297	3.07762	3.68203	5.14188	3.89996	3.73699	2.5047	3.08616	2.83517	2.42411	3.26817	3.49365	3.26844	2.01506	2.39175	5.7957
BNC1	5.68071	5.63182	6.14288	5.24505	3.92173	7.30409	7.04923	3.80927	7.30509	4.13154	7.38979	3.65386	5.42657	5.03914	5.46159	4.0956
BNC2	5.26588	5.36254	5.96394	5.72807	6.2296	6.21818	5.86	5.38706	5.06128	6.38151	5.32626	5.809	5.17583	5.41696	6.6695	5.45154
BNIP1	6.49246	6.8177	6.1966	6.04396	5.96858	6.18888	5.27718	5.35652	6.22501	5.75308	6.49155	5.77227	6.64819	6.80863	6.41874	6.6551
BNIP2	7.57423	7.9976	8.43886	8.27937	9.13351	8.74907	9.23642	8.45757	8.06308	7.83323	8.58048	7.78616	8.85744	8.59168	9.27726	9.21728
BNIP3	7.93338	7.90074	7.81197	8.53034	7.69819	8.22892	7.47951	8.59024	7.1549	8.63776	8.04125	7.52301	9.08751	9.30096	8.95432	8.61682
BNIP3L	8.77929	9.25598	9.1851	9.17193	9.31202	8.5739	8.93264	7.91273	8.81753	9.03434	8.58514	8.41962	9.7488	8.89192	8.91007	8.89125
BNIPL	4.24384	5.07244	4.52824	3.35104	5.20742	5.27193	4.24394	2.93245	5.58265	5.36023	2.86424	3.03309	5.85825	5.8501	2.78105	5.08786
BOC	5.7529	5.5845	5.68702	5.8509	4.72699	5.35628	5.0413	5.1601	5.40826	6.43161	4.97269	5.15717	5.40516	4.64211	5.05573	5.89935
BOD1	7.93762	7.73123	8.00978	7.72392	7.68272	8.2149	8.24702	7.8012	8.17995	8.42938	7.99096	8.15045	8.41394	7.75274	8.84421	8.63198
BOD1L1	6.118	5.98586	6.63967	6.48246	6.04791	5.64993	6.22012	6.1846	6.47187	5.09913	5.88006	5.33875	5.88301	6.08205	5.90911	6.02244
BOD1L2	5.51128	6.31526	5.16594	4.99785	5.8937	5.4046	5.85864	5.85352	5.87508	5.28694	5.99873	5.3021	6.10907	5.93665	5.81289	6.17476
BOK	5.4983	6.46394	6.65411	5.77571	6.01803	7.21438	6.35015	6.36077	6.15753	7.02968	7.07592	5.9634	6.34438	6.80069	5.65169	6.31548
BOLA1	6.56768	5.81537	5.89038	6.79607	6.13292	6.7036	6.4034	5.85352	6.59933	6.61308	6.77414	7.24715	6.45523	6.18909	6.04515	6.67777
BOLA2	5.49645	5.61646	5.70032	5.31006	5.86926	5.59054	5.55652	5.89886	6.00667	5.96086	5.58076	5.98373	5.84922	5.28081	5.68058	5.71805
BOLA3	8.29176	8.79808	7.86057	8.95622	8.36259	9.26363	9.28266	9.58421	8.67903	8.0372	8.95146	9.22973	9.85932	8.90934	8.09817	9.19557
BOLA3-A	1.63196	1.67217	1.71277	1.82182	1.82182	1.80217	2.0122	2.15231	1.73493	1.80801	1.88842	2.14289	1.20546	1.50513	1.59296	1.56834
BOLL	4.49797	6.14304	5.26316	5.42404	4.39851	5.34835	5.55964	5.43993	5.55208	6.15194	5.60346	5.03368	4.88674	5.54823	5.62812	5.3575
BORA	5.8404	6.74684	6.64445	6.0002	6.85903	7.148	7.97233	7.53274	6.85409	5.85864	7.56707	6.62257	6.60987	6.74522	6.75022	7.083
BPESC1	1.11909	2.1636	2.00164	1.85049	1.20215	1.90997	2.47678	1.51119	2.35886	1.87612	1.63512	1.122	3.28382	2.16332	1.00765	1.85717
BPGM	7.62466	7.87143	8.0931	7.56925	8.6233	7.44259	8.04634	7.79072	7.65049	8.20468	8.69948	7.86511	8.27473	8.13158	9.4807	8.75288
BPHL	7.32463	6.80263	6.75013	6.59688	7.02275	7.03191	6.18726	6.69348	7.01879	7.03941	6.23645	6.45915	6.51824	7.37708	7.13623	7.03954
BPIFA1	12.8527	11.3246	10.4836	11.4424	3.2065	3.54848	7.64378	3.37974	11.2398	11.8866	3.64053	10.058	3.89335	9.01766	4.36887	4.21547
BPIFA2	7.0308	7.20856	6.69776	6.62636	6.09857	6.93659	5.92806	6.99156	7.154	6.66963	6.09397	6.92468	6.54832	6.62241	6.37303	6.63564
BPIFA3	6.97736	6.89843	6.54494	7.32503	6.89934	6.0237	7.46102	7.95171	7.40625	7.02223	7.11182	7.39238	8.2327	7.60335	7.46213	8.03043
BPIFA4P	6.30364	6.55779	6.56886	6.7438	5.62483	5.90377	6.47461	7.05637	6.20964	5.86436	6.84787	7.00261	6.40749	6.45261	6.6688	6.45446
BPIFB1	12.5183	11.6143	11.1559	11.9991	7.97085	8.39908	7.00694	5.77151	8.19479	12.6625	2.34474	9.33697	3.82075	9.16908	3.60386	4.91623
BPIFB2	7.06332	6.91554	7.01792	6.33989	6.35326	5.82753	5.42167	7.25283	6.87096	9.46371	5.21117	7.05101	5.64923	6.28459	6.43998	7.16727
BPIFB4	2.75185	3.53745	3.22117	3.85758	3.46884	5.45391	4.77792	3.77845	4.4546	5.75475	3.21922	4.82307	3.89335	3.44975	4.59688	3.78507
BPIFB6	5.21864	4.2689	2.66774	2.55745	3.18522	3.40348	3.61825	3.52249	2.79078	6.48629	3.37552	4.51613	3.28382	4.72155	4.07595	4.02452
BPIFC	1.50761	2.26456	3.08807	3.61465	2.53024	1.53719	3.0573	3.55509	2.86093	2.57765	3.06624	2.79123	2.39587	3.0362	2.10058	2.9809

BPNT1	5.78871	5.51836	5.79452	5.37412	6.02838	5.77151	5.91135	6.86841	6.24726	5.71345	5.69246	5.92567	5.39781	6.02637	5.34551	7.22049
BPTF	7.26072	6.68839	7.25914	7.28627	7.23955	7.49549	7.75423	6.94586	7.43085	6.7418	6.7821	6.63216	7.0724	7.09188	7.57212	7.12575
BPY2	1.11909	2.99228	1.64561	1.16965	2.65839	2.18538	0.61735	2.2672	1.26079	2.12186	3.05202	3.01775	2.6465	1.72157	3.08134	2.28681
BRAF	6.69457	6.94991	7.15669	6.48861	6.9595	7.08047	6.51053	7.08717	6.63063	6.55232	7.04994	6.3346	6.82357	6.58498	7.27186	7.21647
BRAP	6.10669	6.15976	5.57458	6.05758	6.75072	5.97965	6.57712	5.09503	5.67467	5.96127	5.61241	5.06897	5.40673	6.52048	6.18076	6.08497
BRAT1	5.76629	2.91316	1.88755	1.89139	4.3537	5.049	5.50534	2.13755	3.63964	3.70919	5.69572	7.08674	5.60685	7.13203	6.05381	5.37386
BRCA1	5.30388	5.58893	5.31252	4.53	6.95333	5.82034	6.53547	6.92754	6.66639	4.47233	6.91907	4.87602	5.38754	6.40964	5.72232	6.73338
BRCA2	4.88861	4.55398	5.54615	4.75137	3.68625	5.66285	5.88851	4.78908	5.59067	4.08527	5.54814	4.83949	6.25012	4.70793	6.19616	6.04185
BRCC3	5.77681	5.69071	6.49574	4.75713	6.55245	6.22725	6.44232	6.51597	6.43544	6.78332	6.37458	5.77343	6.08061	6.22768	6.14347	6.1193
BRD1	8.75771	8.33034	8.54726	8.8844	8.71319	8.71319	8.70149	9.01581	8.9171	8.19619	8.37975	8.67903	8.49143	8.8365	8.75665	8.33571
BRD2	7.83883	7.16758	7.94402	7.47282	5.61894	7.94402	7.68633	7.35544	8.26067	7.01498	7.54501	7.76101	7.12034	7.8431	7.7963	6.42868
BRD3	7.1885	7.20502	7.27573	7.69134	7.46717	7.49983	6.63803	6.68752	7.46174	7.30071	6.93914	6.8205	6.89454	6.84551	7.432	7.74479
BRD4	6.65377	6.47821	6.72765	6.62122	6.78015	6.98687	6.96616	6.53987	6.70583	6.54728	6.60354	6.98862	6.3871	7.19867	6.76368	6.61966
BRD7	6.29187	5.61894	5.65114	6.52006	6.2599	5.62444	6.0385	6.11865	5.75589	5.45592	6.04592	6.11204	6.27066	6.16862	6.1103	5.70107
BRD7P3	2.06833	3.30487	2.01506	3.32108	2.69877	2.29793	2.57664	2.66394	2.52439	2.21405	2.59102	1.78789	2.92162	3.63542	3.05931	2.52488
BRD8	7.19274	6.6832	7.08147	6.66911	6.85882	7.17933	7.46613	6.55009	6.94494	7.08315	6.31023	6.01167	6.48455	7.21574	6.76142	6.61395
BRD9	8.12887	8.04821	7.78156	7.84487	8.01515	8.18689	8.20967	7.53012	7.81197	7.76184	8.40497	8.99433	7.91926	8.42795	8.20121	7.81127
BRDT	3.58775	2.74824	4.2347	2.75974	4.64244	3.27349	2.15094	2.8638	3.8429	4.43223	4.97185	5.22251	3.94666	3.98175	3.98218	4.27608
BRE	8.22455	8.4084	8.29317	8.49676	7.8597	7.89256	7.78682	8.32089	8.0757	8.25123	7.9021	8.6216	8.3403	8.29485	8.47703	8.24601
BRE-AS1	5.62708	5.46615	3.48538	5.69813	6.1994	5.448	4.16867	5.98293	5.67127	5.90889	6.29956	6.58244	6.36517	5.64899	5.35208	5.93164
BREA2	4.74756	4.21854	3.45525	3.97084	3.55491	3.90614	3.08298	3.77845	3.57258	3.37812	3.21922	5.13806	3.75766	2.93125	3.662	2.76844
BRF1	4.21305	3.72292	3.06644	4.09572	3.91906	3.79285	3.04513	3.30112	3.34224	4.4044	3.36969	3.5082	3.19159	3.61885	3.70705	3.7462
BRF2	5.84244	6.32093	6.36841	6.118	7.01614	5.90076	6.72148	6.80033	6.80898	7.05524	6.73659	7.34905	6.4057	7.57786	6.04631	6.91402
BRI3	8.27662	8.42298	7.93728	8.43537	7.69369	8.29264	8.71458	8.76383	8.91995	8.1889	8.64113	8.56052	8.96445	8.12358	8.24601	8.35903
BRI3BP	9.10997	8.87897	8.8893	9.48403	9.42357	10.2804	10.1917	9.78521	9.50129	9.42515	9.33951	9.2553	9.6967	9.90298	10.0051	9.29585
BRICD5	6.21786	5.8076	7.06843	5.59669	6.10396	6.06363	6.34285	5.81525	6.05841	5.89084	6.81029	6.20784	5.95749	6.64264	6.44688	6.69641
BRINP1	3.999	4.09259	4.75687	5.51949	4.02372	5.03349	4.874	4.42968	4.86178	6.06407	4.79002	4.09619	4.97356	3.62534	3.8537	4.72939
BRINP2	3.62466	3.96497	3.49445	3.57686	3.12473	4.06264	3.71929	3.39861	3.66585	5.31895	3.95578	4.42289	4.19674	4.00373	3.95895	3.44273
BRINP3	4.68509	3.85394	3.1811	2.45536	2.33881	3.49365	4.74782	3.79039	3.94629	3.5256	3.32655	1.59868	5.61969	1.97057	3.50176	3.84496
BRIP1	3.38887	3.41088	3.07861	3.03267	4.71007	4.21488	4.99704	4.26443	4.88265	3.81013	4.64929	3.89931	5.30804	4.34817	4.83812	5.28021
BRIX1	5.72184	6.62746	7.57081	7.23733	7.90087	7.15633	8.13794	7.73791	7.71299	7.05094	8.12887	7.36428	7.62888	7.66065	7.893	8.03137
BRK1	7.54447	7.2851	6.81566	7.64917	6.62549	6.95444	7.15669	7.33255	6.83799	7.39805	7.83761	7.37909	8.13008	7.19582	7.1503	8.0757
BRMS1	8.73732	9.00855	8.29732	8.09817	8.27473	8.98978	8.63992	7.49002	9.00415	9.13804	8.82456	10.0259	9.0105	9.05769	8.5483	8.33277
BRMS1L	6.04829	5.32709	6.77848	6.80249	7.56925	6.77322	6.9017	7.24674	7.02487	6.4921	7.19775	6.67496	7.7485	6.56664	7.01379	6.86317
BROX	6.30993	6.01152	6.23139	6.56733	6.48246	6.07557	6.4795	6.1073	6.78707	6.21493	6.57373	6.54841	6.98908	6.26213	6.55976	6.75786

BRPF1	7.64689	7.65726	7.29217	8.03524	7.24254	7.87426	7.56065	8.89663	7.95489	7.74695	7.743	8.26814	8.06572	7.80919	7.85305	7.96786
BRPF3	6.51033	4.56005	6.30673	6.35895	6.60922	6.51112	6.05388	5.15387	6.17824	5.67735	6.49817	5.74393	5.80121	5.58353	6.51475	6.04656
BRS3	4.03607	5.67908	5.52799	5.07061	4.13837	4.62221	5.07511	3.79618	4.27004	5.79852	3.86993	4.68646	5.4895	4.37306	5.03176	4.04407
BRSK1	3.00675	4.42197	2.21086	2.72117	4.58067	3.04945	2.15094	3.94809	2.22165	4.58996	4.70546	5.01851	2.79294	2.62575	2.56931	4.12557
BRSK2	4.8766	4.61798	4.49934	5.03761	3.56378	4.77515	4.42547	4.99704	4.25853	4.52387	4.07298	3.64825	4.57597	4.63084	4.66895	5.21642
BRWD1	5.80545	5.98219	6.06816	5.69861	6.70987	6.16862	5.86038	5.63395	5.60298	5.69792	5.76238	5.96484	5.88349	5.92734	6.1809	5.9978
BRWD1-	6.86019	5.52199	5.448	6.7168	5.75592	5.66497	6.2013	6.25805	6.65043	6.05367	5.85558	5.58973	6.83067	6.16168	6.80371	6.22158
BRWD3	5.46484	6.2306	5.82484	6.37347	6.27726	6.20107	6.97901	6.07413	6.39528	5.81705	6.3999	6.08351	6.55046	6.08239	6.35062	6.01209
BSDC1	6.67015	5.97427	6.39113	6.37481	6.60794	6.21403	7.37359	6.22269	5.82766	6.12725	5.76416	5.55274	6.7914	6.82429	6.52377	6.47656
BSG	7.22559	6.85535	6.37566	5.302	5.4497	5.57446	4.52231	6.07547	2.86093	6.80609	6.94927	8.45387	5.88189	7.34845	5.34613	5.85334
BSN	3.73406	4.65407	3.54384	5.302	4.39851	3.46064	4.07312	6.03632	4.72178	4.95044	3.72069	5.21937	5.61273	3.39861	5.07305	4.87251
BSN-AS2	3.53756	5.36162	5.03564	5.18602	4.06784	4.24599	3.50564	4.54565	3.06765	5.29504	4.42745	4.07184	3.67703	3.07586	3.34075	4.73027
BSND	4.03876	4.37118	4.31674	4.50367	3.85851	3.91094	3.92354	3.65709	3.7382	3.98449	3.937	4.03565	4.2003	4.41563	4.15245	4.3863
BSPRY	7.75523	7.36361	6.64671	6.64277	6.77263	5.87165	5.99556	6.43637	6.05707	7.56512	6.66709	6.19359	7.01929	7.31725	6.581	9.12492
BST1	4.93295	4.85515	6.08344	5.69175	5.68081	3.6256	3.00912	4.34289	4.14509	3.58913	6.61768	3.85447	2.62575	3.98175	3.95895	3.4643
BST2	10.4519	9.90783	11.048	9.82582	9.0587	9.9517	8.90826	8.71458	9.39209	8.0666	10.794	10.4632	10.3951	10.908	9.41817	10.5482
BTAF1	9.0046	9.39051	9.79051	9.06963	9.38269	10.0844	9.94907	10.0988	9.56083	9.52199	8.83744	8.93549	8.51258	8.99568	9.24484	8.89312
BTBD1	9.64667	9.48403	8.95146	9.1851	10.4135	8.67767	10.0162	9.20565	9.84358	9.51229	9.70215	7.78895	9.24021	8.95954	9.49156	9.77389
BTBD10	7.77756	7.2324	6.43385	7.58901	8.74487	8.40005	9.22223	7.9331	8.25505	7.52319	8.38789	7.33649	8.43133	8.91934	8.53091	7.70081
BTBD11	3.86881	3.62383	3.38612	3.82357	4.27794	4.0687	4.4487	3.78428	4.72646	3.98331	5.8704	4.63389	3.56581	4.25033	3.86719	3.36292
BTBD16	2.21029	2.26456	3.22117	1.85049	1.64332	1.81697	1.49083	1.22235	2.22165	1.87612	1.48752	2.69934	1.7762	2.44811	1.74155	2.12859
BTBD17	2.58692	2.74824	2.17949	2.61385	1.88842	1.78116	1.49083	1.99703	2.07939	2.5437	2.50161	2.01179	2.23314	2.01506	2.81201	1.77343
BTBD18	2.16905	2.91316	2.3147	1.93131	2.36593	5.99097	4.935	2.30474	2.81157	4.80682	4.16718	2.36593	2.31554	5.15309	3.6535	4.1399
BTBD19	6.38732	5.09772	6.67837	6.77986	6.3909	6.41469	4.66635	6.86056	6.52099	6.57677	5.9978	7.1324	6.10848	6.64326	6.3757	6.17248
BTBD2	3.84315	4.16994	4.17984	5.32271	5.20269	5.17449	3.50564	3.94809	3.92436	3.46275	4.28892	5.68216	3.12086	3.50494	3.89112	3.98264
BTBD3	10.0604	8.81403	8.85441	8.55623	9.06514	9.22523	9.39668	8.45605	8.49535	9.68239	8.73206	7.24828	8.51784	8.47157	8.92094	8.91513
BTBD6	9.93674	10.2113	9.4567	9.29073	9.7337	9.43414	9.4421	10.1981	10.032	10.2856	9.69136	10.6932	9.95833	9.13921	9.3245	9.95833
BTBD7	6.2836	6.3741	6.8247	7.0261	6.05942	6.65654	6.19649	6.45101	7.2883	6.30863	6.28545	6.88319	6.31677	5.99579	6.20767	6.39914
BTBD8	4.39937	2.89801	5.38139	2.38778	1.97947	5.41634	2.58845	3.91364	4.53517	2.34717	3.96629	4.90513	4.51181	3.68528	4.42805	2.71584
BTBD9	4.44812	4.55308	5.00374	5.48686	5.82933	5.22972	5.65403	5.98237	5.1163	5.55129	4.62908	5.61448	4.86383	5.03887	4.99227	5.34698
BTC	6.72304	4.22464	4.54628	4.9792	3.00437	3.96826	4.9244	2.88039	4.22923	4.68499	3.61918	3.27919	3.71875	3.5533	4.96847	4.42735
BTD	6.19774	6.29559	6.32459	6.12507	6.17652	5.24505	5.13421	5.83395	6.11473	6.16792	5.90911	6.42092	5.91288	5.5131	5.63833	6.20321
BTF3	8.37038	8.82977	8.24826	8.87234	8.49069	8.87752	8.30659	9.16131	9.08658	8.75288	8.46765	8.03741	9.16537	9.27873	8.86796	9.4567
BTF3L4	6.89966	6.98458	6.28422	6.71607	6.79573	6.93064	7.17667	6.88943	6.71574	6.74779	7.18517	6.63446	6.87781	6.91463	6.87275	7.19334
BTF3P11	4.09491	3.62805	4.83036	3.5907	3.66644	3.27349	4.54584	3.81494	2.92006	3.63896	3.15604	3.65608	3.64142	6.19649	3.56833	3.6454

BTG1	8.55331	8.91642	9.12492	8.97832	9.00017	9.51582	9.34402	8.12039	8.64334	7.9976	7.85248	8.97353	9.89394	10.0385	9.90431	9.20103
BTG2	7.26944	7.41172	7.75205	7.8312	7.5148	7.08988	6.98515	8.28436	7.73284	7.64142	6.34341	7.07623	7.36632	7.29852	6.24286	7.22279
BTG3	6.6179	6.76871	6.84027	6.93816	7.57158	7.23955	7.46892	7.26681	6.62571	7.28174	6.73855	6.54082	7.85368	7.89872	7.88778	7.5753
BTG4	4.98631	4.27879	4.76471	5.85616	4.27649	4.3412	4.14509	4.02325	5.40574	3.87225	4.67533	4.84645	5.71997	4.62341	5.44119	4.11419
BTK	6.88484	8.50865	8.06352	7.94991	7.78272	7.06419	5.24432	7.27109	7.53582	6.69152	7.96571	8.44895	4.8611	6.04817	7.31509	6.65436
BTLA	6.16343	7.11898	7.21923	7.27587	7.14768	6.76201	6.53623	7.63667	6.91814	6.28468	5.92292	6.96726	7.1037	6.08763	6.65877	6.57712
BTN1A1	5.04015	4.07403	3.43133	5.50211	2.79083	5.34141	5.42167	5.34947	3.63964	5.13192	4.33776	4.72092	3.00618	5.18903	4.22871	5.35438
BTN2A1	6.29754	6.67139	6.96941	6.79241	7.22425	6.88611	6.20342	6.80627	6.0709	6.00149	6.41137	7.18221	6.8419	6.69812	6.62824	6.74635
BTN2A2	5.70807	6.85993	7.12767	5.48393	7.62564	7.11924	6.72905	7.98571	7.04666	6.38175	6.94457	7.34801	6.68524	7.28649	7.47334	6.55936
BTN2A3I	2.88015	2.39163	1.82328	2.90159	2.73769	3.09851	3.61825	3.17146	3.13363	2.50603	3.49378	2.66471	3.0877	3.27909	3.01721	3.44273
BTN3A1	7.5475	7.65344	8.0442	7.70612	7.30458	7.53386	7.48101	8.10488	7.68357	7.54137	7.5649	7.95615	7.1855	7.83726	7.45266	7.4238
BTN3A2	7.45266	6.15798	8.20748	7.60078	7.21975	5.73303	5.81147	7.65726	8.17086	6.88841	7.70673	6.7418	5.99014	7.63653	6.54628	6.5515
BTN3A3	6.45687	6.51475	7.52127	6.12053	7.61431	6.56901	5.18903	6.84053	7.52006	6.3871	7.00489	6.93148	5.47619	7.24146	7.50441	6.80131
BTNL2	3.59987	4.87671	5.34947	5.5717	5.22268	5.67044	6.81906	6.69627	6.32843	4.57223	5.67804	6.51354	3.85528	6.66563	5.85419	5.29354
BTNL3	6.66289	6.93923	5.9313	6.75602	6.40806	6.55076	6.18041	7.36263	6.71186	6.38025	6.9262	6.3057	6.62571	6.60229	7.1256	6.24052
BTNL8	6.77644	3.76552	3.87671	3.60342	3.57987	3.77609	3.50564	3.85505	4.06977	3.8925	3.27847	3.88877	4.21419	4.02061	3.72694	4.1998
BTNL9	5.80613	5.72697	6.13349	6.20767	6.38617	6.82404	7.58312	6.11493	6.50752	5.98281	5.51296	6.42945	6.34789	7.31148	7.2112	5.82281
BTRC	5.12521	4.1954	4.85434	5.01	5.10138	5.0464	4.95856	5.31943	5.30337	4.99958	5.33349	3.86774	5.07305	4.57076	5.08387	4.89553
BUB1	3.18813	3.38208	4.2998	3.16845	3.72958	4.23277	3.86323	4.03638	3.76228	2.81892	4.02372	3.6881	3.49824	3.32497	3.483	4.53702
BUB1B	6.38514	7.88093	7.7196	6.25675	8.96611	7.93196	8.75334	8.90238	8.38858	5.60498	8.98978	7.34597	8.86457	8.46025	9.04992	9.64485
BUB3	6.65137	6.87156	7.32145	7.2324	7.19719	6.82452	6.78541	6.43544	7.50077	6.65833	7.3959	6.40819	6.95897	6.97418	7.10208	7.5738
BUD13	7.43469	6.80656	7.2601	6.71359	6.98442	7.21523	7.02275	7.23174	7.70966	6.9331	7.72936	6.60987	6.33298	6.38308	6.88379	6.94074
BUD31	5.95281	5.53995	5.31186	5.78459	5.43359	5.35918	5.63629	5.61731	5.60235	5.29269	5.75728	5.58141	6.24479	5.93821	6.07538	5.97427
BVES	4.73947	4.15902	4.31071	3.75383	3.94431	4.91294	4.93087	5.30736	5.43118	3.4529	6.04035	5.99039	6.83587	4.40463	4.91623	5.04513
BVES-AS	2.00108	3.74825	3.30294	4.46262	1.88842	2.27957	3.70182	1.99703	2.92006	4.39917	3.49378	2.94469	5.24301	2.93125	4.13035	3.6935
BX64850	1.87757	1.91586	2.29132	2.77414	1.60199	2.69944	3.93793	1.31605	2.83517	1.00522	1.87674	3.08704	3.69964	2.74868	1.22113	1.70353
BYSL	3.56191	3.67703	3.391	3.24321	4.26628	3.87636	6.65798	4.15015	3.82945	3.29126	5.59376	3.58062	4.52811	4.81617	4.45395	5.43189
BZRAP1	6.387	5.46615	5.26316	5.61646	5.58847	4.1494	5.72875	3.55509	5.72034	4.89975	5.3232	2.61134	5.66827	3.9369	4.34713	4.62412
BZRAP1-	5.8521	7.29787	6.06884	6.55905	6.91517	6.73828	6.02788	6.97093	6.5997	4.44653	7.68698	7.54563	6.0027	5.85848	6.68061	6.23544
BZW1	8.91327	9.56208	8.90341	9.2048	9.46135	8.66491	9.15916	9.85394	9.34547	9.07205	9.64667	8.44501	9.83281	9.50874	9.67862	9.51582
BZW2	9.37545	9.73065	9.02909	8.70235	10.3833	9.40713	10.2725	10.217	9.90653	9.2812	9.68446	9.06301	10.7062	10.0604	10.0971	11.1017
C10orf10	4.57635	5.48131	5.96113	5.76939	5.77633	4.97134	5.6952	5.85848	6.44179	5.47057	5.69979	6.89899	7.15958	7.52046	7.04952	5.97212
C10orf10	7.20856	6.08497	5.42204	6.64424	5.0677	5.20294	4.42347	2.49961	4.51187	5.05621	2.3203	5.29032	4.73116	4.49472	4.33259	5.24347
C10orf11	7.34733	7.72056	7.34719	7.59032	6.43003	6.91755	6.59245	7.61974	6.77653	8.04847	7.30165	7.14932	7.19639	6.60431	7.19982	7.26814
C10orf11	6.27322	3.84364	5.10852	3.8281	5.20742	4.64929	3.94849	4.00856	3.29007	5.45382	5.94244	3.99007	3.90551	4.72987	4.026	4.97647

C10orf12	5.01049	4.39999	5.11553	4.93488	4.57076	4.80743	4.45067	4.70118	4.60513	4.29049	5.06033	4.02826	4.48131	4.86169	4.34781	4.12203
C10orf12	1.54854	4.2388	1.85463	0.64437	2.2597	1.4697	2.27576	4.69169	1.81152	1.69907	4.57021	1.01454	1.22969	0.96901	0.56521	0.9183
C10orf12	6.81029	7.17978	7.16903	7.35149	6.97548	7.2916	6.57832	7.33495	7.7121	7.07198	6.8108	7.39425	7.35274	6.43229	6.9948	6.08731
C10orf2	6.78332	6.81085	5.26993	6.07849	7.17993	6.62714	6.36841	7.15506	5.51676	5.1154	7.40457	7.14485	6.41831	8.11503	7.61077	7.52624
C10orf25	5.4792	5.39366	5.98264	5.58134	7.07263	5.11016	6.18212	7.11951	6.13377	5.41012	5.56841	6.26776	5.54035	7.59021	6.0945	4.68891
C10orf32	9.67232	9.09179	9.39808	9.75247	9.20378	9.26548	8.0326	8.87558	8.74396	9.30247	8.83956	8.4593	8.85614	8.89445	9.51816	9.06728
C10orf35	7.63463	7.59892	6.66611	7.40556	7.19274	8.37262	7.78156	6.29666	7.18606	7.54861	7.24104	7.79416	8.11759	7.44942	7.58869	6.7147
C10orf40	3.69182	3.87677	2.93758	3.45327	3.26091	3.08198	5.6242	3.53745	3.36695	3.63896	2.6113	6.07969	3.55868	3.33112	4.25015	4.9541
C10orf53	4.71358	4.46039	4.86142	4.7795	3.3738	3.65902	2.95097	3.68459	4.91361	4.58852	2.94797	4.3412	4.17971	3.4102	4.1332	3.92656
C10orf54	6.17043	8.03137	7.56369	7.58424	6.69457	8.04247	5.92215	7.46733	7.92449	7.41841	7.23753	8.27148	6.33808	7.63682	7.16995	6.88541
C10orf55	2.37329	1.71163	4.26508	2.06899	3.18522	2.65434	2.15094	2.88789	2.81157	2.42411	4.27533	2.53152	3.21485	2.13594	2.7465	2.4155
C10orf62	2.85784	3.21812	2.56774	3.74939	2.91487	4.12592	4.41106	4.26669	3.75611	3.95892	5.45177	3.9549	5.26233	3.19708	3.37408	5.09318
C10orf67	4.65451	3.73393	3.35168	3.24902	3.37247	3.55672	3.92057	3.38676	3.5496	3.2859	3.8342	4.27608	3.60505	3.41062	3.9077	3.31255
C10orf71	4.37472	4.34246	3.66581	4.8333	3.7606	4.97599	4.55321	4.28482	4.28137	4.00874	4.10776	3.87137	6.03949	5.05216	4.31059	3.95427
C10orf71	4.6779	4.18531	3.97055	2.79365	4.14888	5.18553	4.34799	5.86031	4.82953	4.83738	5.92292	4.82307	5.30133	4.81617	5.15918	5.48692
C10orf76	5.61194	6.1691	4.58543	4.98558	4.75654	5.4529	4.03082	4.93158	5.93103	5.3226	6.27917	4.82189	5.16547	5.87534	5.31186	3.61646
C10orf82	5.89711	6.28161	6.74515	6.25108	6.14965	6.32028	5.91869	7.13535	5.90883	6.84064	5.88871	6.45207	5.53039	6.42667	6.39835	6.38419
C10orf85	6.51199	4.92917	7.23612	6.04278	6.06373	6.88372	7.19727	4.88503	4.69241	6.21634	4.24406	5.95183	6.16902	6.77836	6.81398	6.15937
C10orf88	6.94281	6.78466	6.8423	6.88354	6.81827	7.04973	6.2564	6.97684	6.87053	6.31417	6.80664	5.9177	6.96469	6.79985	6.97901	6.54247
C10orf90	4.47417	5.39798	4.0178	4.05898	3.82659	4.58614	4.39393	4.64669	3.8854	5.37997	3.78353	4.39175	3.63369	3.72627	5.0545	4.19766
C10orf91	3.14636	3.23142	3.46771	3.1994	2.65839	3.27349	2.9333	3.19037	3.2065	2.97414	2.80891	3.23711	3.19903	2.70047	3.08134	3.26138
C10orf95	4.56185	3.42761	4.12524	3.87736	3.48434	3.30682	4.25043	3.29115	3.88943	3.53934	3.09709	3.69374	3.50584	3.67678	3.53974	3.82034
C10orf99	5.66058	5.32654	5.37607	3.85435	4.98681	5.05274	6.36517	5.16659	5.29113	4.09619	7.14512	5.76654	5.05401	6.76041	7.00489	5.31111
C11orf1	6.12646	5.67192	5.62668	6.22616	6.43637	6.27523	5.98551	6.23907	6.42215	6.71848	5.9748	5.53386	6.91931	6.41859	5.57534	6.44484
C11orf16	9.11102	6.70784	4.46828	7.40707	4.67141	4.68011	4.61163	5.04974	4.41574	4.31978	4.31274	5.27036	5.37108	4.31831	4.25015	5.06428
C11orf21	4.55172	6.50819	6.44984	6.5054	6.54082	6.81521	5.37027	6.77263	4.66059	5.95954	6.25512	6.73246	6.11453	4.99102	4.45264	6.17407
C11orf24	5.98826	7.27283	7.29026	7.327	7.46613	7.87079	7.4092	7.96861	6.79415	7.84356	7.01643	7.61764	7.19334	7.65533	7.45606	7.46409
C11orf30	6.13485	6.19406	6.63175	6.29208	6.83931	7.0915	6.60444	6.15139	6.45116	6.32556	6.16481	6.2051	6.84027	6.50922	6.34361	5.98786
C11orf31	9.31971	9.2077	8.97278	9.40267	8.93264	9.54799	8.90271	9.13234	9.26222	8.56737	8.78405	9.75979	9.34899	9.28935	8.4172	9.09246
C11orf40	2.53024	3.13884	2.23187	1.63196	1.00765	1.81697	2.5047	2.67421	2.22165	1.28097	2.91487	1.2545	1.29724	2.88516	1.52655	1.66002
C11orf42	4.0622	3.3786	4.3596	4.59609	5.23329	4.34547	4.53887	4.71588	4.35456	5.72477	5.69186	4.44519	5.41867	4.14195	5.73121	4.27608
C11orf44	6.10275	6.36554	5.76565	6.08039	5.61148	6.04883	6.03144	6.31611	6.17628	6.15674	5.92887	6.30769	6.3799	6.31673	6.04278	6.18553
C11orf45	6.39626	6.44352	6.21501	6.24835	7.01477	6.63886	6.45517	6.82416	6.17111	6.9331	6.49197	6.57201	6.83067	6.98305	6.80673	6.77297
C11orf49	5.47164	5.27879	5.3531	5.30496	5.59883	5.52984	5.77151	5.44685	5.85616	4.83383	5.21961	6.0939	5.80509	5.66353	5.49916	5.07488
C11orf53	3.13246	4.46777	3.90511	3.06525	3.16569	3.93664	3.61825	3.13235	3.31034	3.99153	4.10776	3.97679	3.64142	3.8419	3.20278	3.6935

C11orf54	8.23881	8.05986	8.48891	7.85449	7.60929	7.48154	8.10844	7.59995	7.41527	7.43454	7.3259	7.65178	7.71686	7.88036	8.06265	8.30473
C11orf57	5.6367	6.26587	5.85146	6.15519	6.18119	5.90129	5.93748	5.88266	5.65877	5.55535	6.06227	6.02361	6.21965	5.99416	5.81741	6.32223
C11orf58	7.68134	7.3443	7.67171	7.43046	7.80077	8.38415	7.48544	8.44024	7.76557	7.96217	6.67173	7.92662	7.58424	7.6195	7.85368	7.66053
C11orf63	5.99514	4.51419	4.82364	6.12279	3.79752	4.12898	3.81426	4.97134	5.0545	4.69896	3.62534	5.27137	5.155	5.21626	4.4613	3.94748
C11orf65	4.17798	4.86383	3.79162	4.99785	4.33348	3.22527	2.63794	2.43067	3.02333	1.15042	3.6149	4.51613	4.94162	4.42968	4.32654	5.06904
C11orf68	7.03987	7.67005	7.25884	7.08393	7.34498	7.32307	7.60944	8.06492	7.83761	7.48498	7.31561	8.45696	7.70241	7.5985	7.62912	6.65436
C11orf70	8.69948	7.80515	5.2467	8.73519	6.40861	5.99847	6.16109	5.03573	5.82082	5.8361	5.11677	5.7384	6.22079	4.65451	5.56444	7.05554
C11orf71	7.18251	7.10241	7.12429	7.17565	5.7957	6.95042	6.12946	6.89356	7.00057	7.75007	6.99419	6.99189	7.28271	6.48682	6.53371	6.66328
C11orf72	3.56191	5.16804	3.89706	3.93679	3.6922	3.90614	4.51685	4.54565	5.99481	4.0807	5.02177	5.82484	5.43241	4.31831	5.80178	4.59949
C11orf73	6.65267	7.40347	7.78949	7.97768	7.83726	7.34672	3.67981	6.74515	6.45815	5.50898	7.95275	8.08617	7.35478	7.78045	6.98458	7.62176
C11orf74	8.3979	7.85305	7.01469	9.02956	7.22006	7.89362	7.27186	7.12732	6.77908	6.89272	6.62038	6.75866	7.90651	7.52405	6.94249	7.154
C11orf80	5.90589	6.46864	7.45961	6.69812	5.53161	7.55589	6.85143	5.80361	6.17043	7.07893	5.86631	6.33819	4.5782	6.24136	6.47613	5.57221
C11orf83	9.08827	8.92512	8.84687	8.72582	8.23984	8.81989	8.75665	8.3198	8.371	8.95696	8.76627	9.79051	9.27564	9.55838	8.26876	8.92094
C11orf84	6.45143	6.3949	7.00465	6.42442	6.1994	6.83219	6.2013	5.82161	6.80312	6.81379	6.16082	6.38732	7.61668	5.78941	6.91111	6.69403
C11orf85	4.23422	2.61396	2.04684	3.60342	2.39414	2.03544	3.58877	2.07548	2.90046	1.63837	3.45744	3.36359	3.05227	2.48051	2.14289	2.69842
C11orf86	6.17842	5.05825	5.16837	5.55428	5.58598	4.29854	2.42155	4.37563	5.23533	4.75793	4.65546	4.90933	5.80193	5.49251	4.23617	5.39741
C11orf87	3.34536	2.52877	3.11783	3.30564	3.61047	2.84147	2.89196	3.35113	3.03461	3.40648	2.08265	2.87252	3.04435	2.21089	2.6189	3.50604
C11orf88	8.45576	7.26516	5.99847	8.4871	5.74166	6.30311	5.72213	5.6453	6.31886	5.84725	5.57038	6.93638	6.20535	5.94916	6.07992	5.79864
C11orf92	8.0555	9.07714	6.85861	8.81813	10.3502	8.25993	11.5015	10.298	8.47942	7.64409	3.20659	5.9213	5.72983	10.5857	10.5482	9.90783
C11orf94	6.34518	6.93096	7.4409	7.02582	6.63353	6.28422	6.45035	7.44312	6.67266	6.64326	6.16676	6.75482	7.44642	6.69077	6.65877	6.5943
C11orf95	4.77818	4.9742	4.89861	4.60121	6.39924	5.58003	6.76752	4.67368	4.58852	4.81051	5.41719	4.15877	4.52549	5.26424	4.8235	6.2907
C11orf96	7.41281	8.24453	9.54485	8.08258	8.38967	8.85441	8.03352	9.00017	9.77798	9.24769	9.25237	9.19948	8.45848	7.87691	8.42938	8.3341
C11orf97	8.43072	6.74325	2.17949	8.20021	1.64332	2.5608	1.49083	1.73724	1.69898	1.74155	2.21379	5.27036	3.69964	2.18939	1.61881	1.85717
C12orf10	8.28971	8.46798	7.50356	8.57771	7.3146	8.64113	7.86229	6.85982	7.33026	8.29514	7.98837	9.09448	8.93625	9.79415	7.55335	7.98651
C12orf29	5.55192	6.46341	5.98807	6.61943	7.56855	7.0261	7.62033	7.47109	6.42617	6.15282	7.09595	6.35993	7.35822	8.16276	7.01754	7.58583
C12orf4	7.98651	7.79044	8.01409	7.73468	9.13234	7.79591	7.95413	8.67368	8.06417	7.87296	8.44501	8.09465	8.07429	7.48402	8.59168	7.64985
C12orf40	3.56848	3.6244	5.19111	5.54756	3.9598	4.13266	4.40651	4.25955	3.85851	4.2251	5.08656	4.06784	3.13529	4.43867	4.16372	4.39426
C12orf42	5.2261	4.96072	4.66492	4.84645	4.09259	5.32428	4.81026	5.08968	3.77354	4.12453	4.45556	4.50899	5.20104	4.19738	4.13181	4.60781
C12orf43	6.18149	7.11898	5.89512	5.94126	6.78707	6.14618	6.65798	6.75832	6.43335	7.18187	7.1565	7.09549	6.76563	7.77591	6.75341	6.71599
C12orf45	5.88381	5.02586	5.67796	6.48555	6.1994	6.69488	7.14362	6.28271	5.27854	5.75038	5.98878	6.16231	6.37512	6.72244	5.97678	6.28284
C12orf49	6.31597	6.24176	6.56625	6.21081	6.32112	6.40021	6.57101	6.23263	5.93181	6.08128	6.49574	6.67683	6.55313	6.45085	6.37535	5.8076
C12orf5	7.22727	7.64409	7.98789	7.78725	9.51497	8.57691	7.72221	8.89445	7.79386	7.59679	8.51199	8.49162	9.03434	9.56326	9.13292	8.32303
C12orf50	2.27273	2.46272	2.52296	2.31308	2.0729	1.32117	2.0296	2.49961	1.98342	2.66614	2.50161	2.46803	2.13674	2.74868	3.41773	2.28681
C12orf54	6.13518	6.16959	4.92092	4.70357	5.7905	5.02185	7.18918	5.95954	4.88154	5.19085	5.72464	5.13649	5.82515	6.36138	6.46724	5.29733
C12orf55	3.75698	5.18234	4.77797	2.184	4.69135	2.91286	5.01022	2.49961	4.24836	4.4261	2.8192	4.35575	2.98256	5.49726	4.79462	3.65514

C12orf56	4.42363	2.77081	1.76827	4.85334	2.73769	2.11228	6.05549	3.55509	3.29007	2.83032	4.51992	2.6814	3.61424	2.77311	2.21248	1.96263
C12orf57	10.3074	10.5857	9.88096	10.7222	10.321	10.6426	9.79789	8.396	8.99622	10.0844	8.92094	11.0928	11.0355	10.8107	9.88457	10.1711
C12orf60	4.55949	5.4792	4.03485	5.83426	6.36517	4.72699	4.56594	5.04602	5.58837	4.99358	4.60781	5.5803	5.61435	4.66241	4.49714	5.60707
C12orf61	6.17611	5.71639	5.58438	5.74926	5.879	5.93403	6.53172	6.0932	4.77313	6.09515	5.95661	6.28592	5.31934	5.29145	6.31858	5.84122
C12orf65	5.30756	5.07857	5.17108	5.49711	4.6313	5.01176	5.58238	5.36162	5.52677	5.30515	4.91796	5.42705	6.37053	5.28791	5.33489	5.1385
C12orf66	5.65821	4.90838	4.62587	5.95773	5.69118	6.07137	5.46594	5.39491	5.40153	4.80917	4.5022	4.74354	5.29032	6.28624	6.08351	4.69896
C12orf73	8.00533	8.02883	7.86096	7.97085	8.12724	8.08164	8.23028	8.49885	7.87124	7.64528	7.81563	8.34385	8.79448	8.65638	8.44731	8.48462
C12orf74	1.96392	2.51658	3.0591	2.79365	3.30882	3.04945	3.64382	3.0093	2.76258	2.5437	2.6113	2.81338	3.17825	3.46534	2.41671	4.21547
C12orf75	10.1981	9.68889	8.87147	9.94645	8.41823	9.90783	9.32087	9.10246	8.4499	6.55038	9.87831	9.56807	9.8758	10.0817	9.38055	8.6349
C12orf76	6.11302	5.4871	5.56628	5.89679	5.82306	5.88528	5.46099	5.56841	4.94613	5.77662	5.60407	5.71676	6.0402	5.68888	5.31943	5.94238
C12orf77	4.8689	3.16637	4.66364	5.0822	4.99272	5.37887	5.59446	3.6374	2.58986	4.3268	4.20991	2.79123	3.16183	3.16811	2.47462	3.42878
C12orf79	3.87518	3.93772	4.91796	5.25444	6.80405	5.30898	6.19774	2.37778	5.47507	2.66614	1.63512	4.64303	6.62814	6.89922	6.8277	4.10606
C12orf80	3.72958	3.63165	4.72556	3.80466	3.81646	3.54227	4.79343	3.69741	4.03976	3.6778	4.00025	4.19503	3.92989	3.96234	4.27841	4.4917
C14orf1	7.15566	6.57417	6.55586	6.56296	6.26194	6.14906	5.76449	5.86411	6.21586	6.4495	6.48309	6.13518	6.59293	6.15777	6.34544	6.29983
C14orf10	4.01654	3.60323	3.27163	5.11909	4.12996	3.7682	3.5358	3.8954	4.03916	4.28084	4.39937	4.75563	3.47163	3.62252	4.09091	4.16003
C14orf11	9.26758	9.92065	9.10034	9.76893	10.3045	9.40143	8.7622	9.62162	9.98579	9.47897	9.4722	9.16853	10.2856	8.67717	9.09246	9.35952
C14orf13	5.91519	4.15496	5.01256	5.06242	6.07264	6.23481	5.6566	5.01537	5.38422	4.85367	4.65818	5.00425	4.86639	6.28889	6.48246	4.71298
C14orf14	7.78669	6.32617	7.04564	9.18613	6.59027	6.37469	2.75954	5.98826	6.60342	6.63813	7.41771	6.85555	6.98048	5.8501	6.29726	6.33253
C14orf15	8.6025	8.45141	8.55202	8.4259	8.2773	8.36968	8.10791	9.10357	8.76046	7.93391	8.00533	8.57525	8.51477	8.29124	8.52275	8.37975
C14orf16	10.2227	10.7421	10.1104	10.6972	10.8297	10.5619	9.80078	11.1496	10.7308	10.5911	10.6549	10.5062	11.1017	10.2113	10.167	10.6733
C14orf16	6.89636	7.45799	7.09664	6.61308	7.01477	7.30649	7.4231	7.49062	7.35469	6.93653	7.22234	7.5749	8.12481	7.28227	7.34297	7.25544
C14orf17	6.12279	6.79501	6.69189	6.36158	6.34126	6.09904	6.73346	7.4449	6.26532	6.4835	6.06816	6.09264	6.74566	6.45018	6.3927	6.74887
C14orf18	5.44924	6.04099	5.99792	5.5975	4.81528	5.98014	5.50686	6.56066	5.44001	6.07264	5.57813	5.97749	5.98328	5.36574	5.20903	5.00186
C14orf18	4.57315	5.21096	5.62822	5.41054	5.4737	5.08786	4.81723	4.45827	4.30608	5.28972	6.44232	4.86595	4.22224	4.05184	5.22723	5.42899
C14orf18	3.94748	4.38415	3.85578	6.07272	5.16332	4.99785	4.64035	5.80143	5.51676	5.39899	5.62509	6.62616	5.61273	4.14195	5.97157	2.76844
C14orf2	10.7222	11.3355	9.91603	10.9118	10.5398	10.6733	11.048	10.9586	10.942	10.3399	10.8755	9.6066	11.088	9.84759	10.494	10.9309
C14orf23	5.43457	4.57543	2.95766	4.7744	5.13936	3.63988	3.31153	4.86698	3.90229	5.34336	3.72995	3.92989	3.90551	4.75817	4.963	3.97214
C14orf28	6.22158	6.89979	6.86138	5.77244	6.73081	5.74862	4.52735	5.92694	6.31984	7.44372	6.10571	6.5358	6.33134	3.96497	5.85168	6.03535
C14orf37	7.07704	3.36509	3.42172	3.35104	1.3442	1.59197	2.8619	1.44837	2.67969	1.63837	3.09709	3.00642	3.42036	3.24563	1.44837	1.32709
C14orf39	5.31712	3.3786	2.88071	4.66453	4.85449	3.15165	5.59155	4.95679	3.5256	2.50603	3.77904	2.04143	5.67467	2.88516	5.39264	4.81177
C14orf64	5.74127	6.12427	6.4202	5.46829	5.47581	5.85529	5.91594	6.06151	5.9283	5.82812	4.97871	4.94152	4.47194	5.70264	5.22028	5.53443
C14orf79	8.95283	7.05419	6.47531	6.64424	6.0512	6.1132	5.38812	6.00675	5.62571	7.27062	5.51451	7.00107	5.46165	6.95482	6.13608	6.5982
C14orf80	7.13227	7.31528	7.41136	6.25794	7.09717	7.48264	6.84836	6.50979	7.43293	7.74198	7.80406	8.02205	7.49252	7.67409	6.80673	7.46294
C14orf93	7.05458	6.31064	6.0342	6.40106	6.581	6.37694	6.56531	6.97563	6.62833	6.92615	6.49857	6.12493	6.30778	6.61785	6.55623	7.07893
C15orf26	6.35565	6.72579	4.31978	6.08225	4.84049	5.0543	5.20807	5.21589	5.12426	4.595	5.8416	5.7063	5.19042	5.53288	5.11666	5.06122

C15orf27	6.63771	7.22958	6.93638	7.00077	6.63752	7.26232	7.04132	7.08284	6.7305	6.87697	6.52595	7.63825	6.91554	6.90375	6.7419	6.85454
C15orf32	1.37327	1.84587	1.54854	1.33008	2.39414	2.31052	0.75071	1.73724	2.39727	1.63837	1.7041	2.509	1.01457	1.59381	1.78116	1.32709
C15orf37	8.01606	8.60404	8.33771	7.75853	8.57691	8.60597	7.38837	8.64262	7.37635	8.00902	7.62683	7.9568	8.32009	7.55008	8.19449	8.48891
C15orf39	6.49265	7.23414	7.17234	7.02978	6.46847	7.04441	7.35544	7.30682	7.05087	6.71808	7.00351	7.42295	6.70066	7.08612	6.5596	7.1641
C15orf40	5.97338	7.07521	6.46938	6.29809	7.0977	6.76064	7.37333	6.30311	6.42252	6.59237	6.53264	6.91353	6.55657	6.5782	6.7903	7.14925
C15orf41	5.61759	2.97179	4.98767	5.0159	4.6265	5.37722	5.80008	4.80326	4.43688	4.51121	4.01473	3.96139	4.46324	5.11002	4.77788	7.38087
C15orf43	1.54854	4.20465	3.95827	4.4487	4.55455	2.11228	1.91146	4.06126	4.39872	1.63837	3.12278	4.57959	1.97096	4.02841	1.78116	1.45205
C15orf45	3.19594	2.79266	3.09945	2.85497	3.12473	2.76484	2.0296	2.40011	2.97568	2.66614	2.54194	2.95936	2.49591	2.86263	3.15051	2.45954
C15orf48	8.95773	10.8573	11.088	8.55452	9.15617	7.93633	7.89278	9.80678	10.0667	7.58391	11.2693	9.74747	10.817	8.95215	10.1917	9.40387
C15orf49	3.52145	4.33745	3.8778	3.55971	3.67633	3.04271	2.87068	4.95828	2.99269	4.70583	3.79811	2.99615	3.98277	3.78731	3.80749	3.55737
C15orf52	7.00506	7.322	7.24802	7.03398	7.84852	7.10256	8.71164	7.5749	6.8113	8.81533	6.71343	6.47821	4.32095	5.35478	6.19683	7.07983
C15orf54	3.42813	2.91316	3.0093	2.43076	3.30882	5.29571	3.29192	5.8726	2.35886	3.5256	2.68367	3.16915	3.21485	4.69923	5.03876	2.76844
C15orf56	2.65839	5.34433	3.81385	4.03862	4.65407	4.63716	5.09806	4.27613	4.7523	4.93233	3.49378	3.76552	3.37673	3.66246	3.42703	4.2888
C15orf57	6.23796	6.11415	6.88337	6.37758	5.05621	6.08022	5.03019	5.26002	6.73765	6.58543	6.32189	6.29494	5.88098	6.46361	5.82871	6.40922
C15orf59	4.31046	4.85833	5.95703	4.4803	4.47902	6.47933	5.70671	4.81846	4.22883	5.78051	4.52648	5.66548	4.3717	5.80309	4.39682	4.72092
C15orf61	8.4612	8.81783	8.46688	9.00325	8.84269	9.57352	9.49286	9.07607	8.36116	7.99706	8.154	10.0604	10.0791	9.38907	8.80992	10.4176
C15orf62	3.84704	4.08037	3.39699	2.96846	3.0032	3.10976	2.65754	3.5626	2.45536	4.90267	4.33436	2.74312	4.33558	3.04791	4.90439	3.50622
C15orf65	7.50291	5.34684	5.57211	7.7793	6.45819	5.78654	6.63863	6.91137	6.39306	7.18606	6.01513	6.64108	7.19075	6.92604	6.29468	6.26933
C16orf13	5.08103	5.50633	5.37249	5.19806	4.96044	5.59996	4.84732	5.5118	5.10138	5.70234	5.94789	5.95819	6.23437	6.27066	5.27249	5.62533
C16orf3	5.57283	6.21218	6.51534	6.42609	5.75909	5.6174	4.32228	6.1163	5.19903	6.40719	6.03615	5.43495	5.7379	4.02061	4.51765	6.06151
C16orf45	6.64794	7.2935	6.66575	7.0905	5.90663	6.94281	6.09425	7.13591	6.64326	7.44259	6.70755	7.09477	7.14332	6.24176	6.9595	6.48913
C16orf46	5.81974	5.41534	5.22343	5.48589	5.76654	5.12131	5.35896	5.56523	5.1836	5.1356	4.99415	5.24375	5.27357	5.36786	5.31417	5.55993
C16orf54	9.43496	10.0817	10.2113	10.429	9.31073	10.0988	8.32579	10.0051	10.2527	8.06128	7.72426	10.1104	8.53635	6.54832	9.4267	9.05221
C16orf58	6.0697	6.2553	6.22032	5.78435	6.41137	6.60609	5.48864	6.68978	6.88035	7.02035	6.28	6.40989	6.44114	6.58963	6.00457	5.81884
C16orf59	6.03937	4.89718	5.91869	5.93552	5.31915	4.53909	6.29926	5.30554	6.97401	4.15112	7.01804	6.68752	7.04666	6.19154	6.25491	5.12161
C16orf62	6.09904	6.66709	5.37219	5.04772	5.9784	5.62147	5.39833	5.05327	5.03761	5.59813	5.23875	5.68755	5.39423	5.21721	6.11453	5.8578
C16orf70	5.58893	5.69337	5.42929	5.44544	5.39933	5.48909	5.59651	6.29302	6.53371	5.74329	5.96269	5.53338	6.1209	5.60661	5.69927	5.58973
C16orf71	6.33063	6.24408	6.39207	5.37911	5.54107	6.66349	4.93154	6.92888	6.33445	6.6317	6.45163	5.1725	5.63647	6.24419	6.17799	6.27334
C16orf72	6.54823	7.47582	7.7642	7.74368	7.96389	7.5383	6.77825	7.89962	7.93087	7.57624	7.92161	7.31755	7.89111	7.42295	8.03276	7.49911
C16orf74	4.22576	4.47924	3.95055	3.50564	3.61465	4.66192	3.89026	3.86842	4.03549	4.09007	4.07634	3.96659	3.68721	4.24417	4.07595	3.75027
C16orf78	6.2054	5.59446	5.71276	5.5785	5.76569	5.94701	3.14316	6.56557	5.77903	6.35428	5.07971	6.04791	5.63427	6.51043	6.5845	5.6902
C16orf80	10.3563	9.8453	9.24484	10.494	9.29432	9.5326	10.2374	9.7568	9.5293	9.26758	9.34402	9.41517	10.0259	10.167	9.63723	9.93225
C16orf82	3.41112	3.42761	3.7147	3.89582	4.01874	3.6256	3.97251	3.27157	3.79382	2.97414	4.10165	3.68084	4.94479	3.05474	3.17223	4.2888
C16orf86	6.15156	6.59641	6.17878	6.35955	6.61027	5.95608	6.38687	4.74277	6.56778	5.48805	5.23713	6.48178	6.80371	6.49114	5.40842	7.0308
C16orf87	5.20312	6.15941	6.10275	6.13381	5.84395	3.9706	5.44364	5.38183	4.83644	5.89863	6.26865	5.94789	6.41548	5.9813	5.90923	5.73055

C16orf89	7.45941	5.21946	5.66737	3.71004	3.48434	3.78772	3.61825	3.23218	2.67969	7.13829	3.03593	5.26764	3.17825	3.12884	2.36623	2.82844
C16orf91	7.75653	8.2105	7.90495	8.44095	8.13908	8.21863	7.28961	7.35304	7.89038	7.8097	8.33246	8.88342	8.52003	8.19059	7.769	7.80984
C16orf92	5.32883	5.24458	4.99255	4.74829	5.84059	4.50567	6.2284	3.61778	6.06835	5.15403	6.17866	5.21937	6.07969	5.25231	6.09107	5.49205
C16orf93	8.65357	7.2324	6.2017	7.11288	6.50763	6.46572	6.2836	6.31316	6.37487	6.55038	6.08337	7.46909	6.58002	6.46847	7.09703	6.25628
C16orf95	6.11433	6.52193	6.15108	5.04974	6.03535	5.99397	5.91684	6.4651	5.59831	6.33619	5.77758	5.50277	6.06758	6.31081	5.51666	6.2885
C17orf10	5.39763	5.42215	5.76333	5.43449	4.84616	5.46406	6.74124	6.03368	5.74089	6.01933	5.78351	5.49001	6.28732	6.21121	6.39379	5.14155
C17orf10	3.30338	4.2307	4.28339	4.37613	3.65854	2.86953	3.98146	4.10722	3.7862	3.79752	3.34835	4.37563	4.36479	3.11888	3.26373	3.42592
C17orf10	4.29421	5.72566	5.95642	4.53637	5.72807	5.70543	6.18979	5.9608	5.42868	4.97382	5.87662	5.76354	5.1616	6.00226	4.80045	6.01067
C17orf47	2.58692	2.63607	3.45525	2.77414	2.47594	2.79576	3.3753	3.86842	4.26581	2.66614	2.50161	3.84426	3.61424	2.68036	3.61778	2.92719
C17orf50	3.22144	2.04582	2.48448	2.55745	2.50418	2.48692	2.1009	2.64349	2.64558	2.47565	2.52439	2.38821	1.89786	2.86263	3.43307	2.45954
C17orf51	5.22636	4.86031	5.01373	4.63956	5.12208	5.79835	5.0511	5.36625	4.52911	5.59734	4.5797	5.53655	4.88936	5.82175	5.61473	5.2949
C17orf53	3.38024	5.57353	3.84282	5.6699	5.2507	3.83233	3.82687	4.28482	4.19706	5.92806	6.17233	5.58101	6.50567	4.97512	4.78962	5.36713
C17orf58	8.10118	7.97532	8.65698	7.83864	8.03332	8.16431	8.62607	8.55623	8.4593	8.48955	8.21161	8.28626	8.84571	8.25461	8.09518	8.20967
C17orf59	5.14196	6.53748	4.95564	5.8784	5.08	5.17349	4.77076	4.56192	6.25061	5.2853	5.99397	7.0855	5.71345	5.48686	5.74089	5.54532
C17orf62	8.49332	9.50874	9.42515	8.78359	8.56052	9.32986	8.58931	8.67259	9.44547	7.89278	9.9547	10.3191	8.84269	8.29403	8.45141	8.45726
C17orf64	6.32655	4.69941	5.36371	5.25444	5.07679	6.28135	6.23048	5.32306	5.6132	6.02979	6.43161	5.91076	3.94666	4.00373	4.37551	4.9541
C17orf67	6.59208	5.11956	5.73862	6.68773	5.39382	6.29537	7.27464	5.39317	6.45026	6.21634	6.21818	6.59208	6.39471	6.59245	6.41497	6.53972
C17orf70	5.46569	5.7048	5.22796	5.82384	5.03866	5.74912	5.59831	5.5306	5.29857	5.78611	5.58948	6.16296	5.63813	5.4497	5.44159	5.36859
C17orf74	5.46994	5.21546	5.1367	5.63752	5.77051	3.71116	3.83857	4.22833	3.45216	3.65408	3.45096	5.93442	5.91468	4.93015	5.39264	4.76031
C17orf75	8.03245	7.09732	8.23922	8.02454	7.83054	7.91668	7.85146	7.59935	6.89847	3.50939	7.59042	6.78789	7.85449	8.08808	7.7899	7.85915
C17orf77	2.98506	2.55772	2.63513	0.78709	3.94739	4.24599	3.79373	5.26563	-0.7797	3.37812	4.20991	5.03092	3.72312	2.82083	3.18863	1.89302
C17orf78	5.18934	5.22858	5.67371	5.82803	3.76997	4.66192	4.83168	5.99457	4.17624	5.1056	4.26713	4.66581	3.93646	5.52251	5.39264	1.80953
C17orf80	5.67467	5.79337	5.58847	5.55021	6.10097	5.54756	5.39542	6.2885	6.31219	5.77227	5.62032	5.29829	5.98895	5.80824	5.75088	6.37377
C17orf82	7.63881	6.67477	6.91863	7.2112	6.92385	6.06363	6.34285	6.96357	6.48855	7.27538	6.44799	6.99884	6.91856	7.0755	6.59954	6.77719
C17orf85	6.79883	6.46624	6.27228	5.55865	6.98197	6.70543	6.10515	6.83957	5.77681	6.2968	6.84737	6.58211	6.36226	5.65971	6.62218	5.80324
C17orf89	7.01847	6.91702	5.97388	6.0322	6.58211	7.40067	7.26312	6.24882	6.05337	6.44554	7.13203	7.88036	7.81677	6.91249	6.2675	7.43016
C17orf96	5.62708	7.62466	7.05237	6.43984	7.39033	6.96157	7.40556	7.08393	7.23612	5.92053	7.67515	7.30391	7.6386	6.55046	6.75611	7.85403
C17orf97	7.23137	6.80863	5.27758	7.24245	5.9728	6.44967	3.97251	5.77151	4.59837	4.97034	3.73917	5.16402	5.51666	7.4238	6.27435	5.21721
C17orf98	2.85784	2.46272	3.89706	2.22193	2.73769	4.66192	2.27576	3.45352	3.04535	3.80685	2.45719	2.86273	3.10377	2.22838	2.98901	4.07003
C17orf99	4.24384	4.55696	4.78468	3.68112	6.48947	4.68499	9.32833	6.12584	4.2082	2.63576	3.47644	6.17373	4.25636	7.12006	3.75151	3.78507
C18orf12	3.58775	6.08983	3.26549	3.85758	5.11124	4.50567	4.81522	4.00856	4.00589	4.02075	4.23603	4.18135	5.2285	4.02061	4.69327	4.39898
C18orf15	5.30253	2.81246	4.43529	2.77414	3.78235	3.67619	3.84674	2.95859	1.26079	1.15042	5.18054	2.59016	4.26368	3.01384	3.61218	2.79166
C18orf21	4.10024	4.97749	6.19774	5.11456	6.23594	5.87152	4.98389	5.66772	5.58578	5.69362	4.64707	4.75295	6.36616	6.32263	5.46907	5.86
C18orf25	5.51334	5.35628	6.41874	6.09003	5.80597	5.44744	5.59	6.43304	5.94527	5.74912	6.53612	6.07332	6.09202	6.70784	5.7268	6.12523
C18orf42	5.75547	5.55145	5.06066	4.9537	5.79936	5.69186	5.66468	5.47546	5.83403	5.56785	5.82709	5.11486	4.25636	5.83775	6.34271	5.38936

C18orf54	3.82238	4.26613	4.74277	4.55822	4.38594	4.35308	3.69689	4.06784	4.57499	4.64822	4.43413	4.22367	4.81256	3.87292	4.96966	4.54926
C18orf61	6.21138	4.40483	5.18074	5.72333	5.07841	5.95874	6.08272	5.08	5.81672	5.6019	6.08163	5.57155	5.67243	6.45334	5.75916	5.89665
C18orf8	5.01656	4.78297	4.51707	5.51476	5.49238	5.08852	5.56217	4.80436	4.51531	5.30496	4.41381	4.2027	4.51419	4.70533	4.95325	4.73504
C19orf10	9.4469	9.86381	10.2257	9.86158	8.93342	9.59677	8.1889	8.75124	8.75771	10.3157	9.67862	10.7357	9.22423	9.62902	8.85614	9.37612
C19orf12	6.92808	7.27295	7.20155	7.09188	7.4092	7.327	7.32358	7.39967	7.30272	7.04994	7.58702	6.85717	7.73968	6.89843	6.85717	7.12636
C19orf18	7.00164	7.26021	7.1142	6.94016	6.68221	6.73741	6.78662	7.60287	6.62664	6.97196	6.79062	6.76788	6.65704	6.84862	6.48805	6.48263
C19orf24	7.45526	6.98753	7.46202	6.8336	6.38992	6.73129	6.58002	7.0208	7.81701	7.798	8.07286	8.8897	6.96952	7.51694	6.46975	7.07946
C19orf25	5.46099	5.8832	5.64227	4.91905	6.07868	5.71805	5.05869	5.45626	5.76118	5.51629	6.26587	7.45894	5.75337	5.4315	5.66035	5.05869
C19orf26	4.07376	4.02254	3.77982	4.24124	4.33657	3.95868	3.96188	4.23182	3.45602	4.50609	3.9706	4.11962	4.03827	3.91161	3.64011	4.24709
C19orf33	11.1496	9.68571	7.46529	9.30247	6.35326	6.44212	7.29274	6.95458	6.36476	8.658	9.31324	6.58543	6.10247	6.47506	5.90834	6.90081
C19orf40	6.83019	6.2003	6.92953	7.04051	6.59523	7.05285	6.84415	7.06652	6.97537	7.20155	6.17233	7.25934	6.79252	6.803	6.79376	7.26026
C19orf43	7.90707	8.16199	8.07334	7.96537	7.44109	8.10844	7.83883	7.95951	8.25123	8.396	7.8749	8.67002	8.40792	7.65498	7.23024	7.85877
C19orf44	3.94495	3.39726	2.4777	3.21037	5.39886	3.731	4.4044	3.24817	3.55099	3.68688	3.90408	3.64514	4.27343	3.41112	5.06692	4.44748
C19orf45	4.10904	3.57764	4.96208	3.18969	3.6498	3.58027	2.94737	3.12101	2.93188	3.16666	3.4886	2.92226	3.63349	3.94546	3.00894	5.73816
C19orf47	5.11832	5.2126	5.4439	4.69384	5.45177	5.2073	6.18631	6.13194	5.80461	5.25598	5.32234	4.61634	6.39428	5.07841	4.72787	4.57635
C19orf52	6.86192	7.61431	7.30308	7.08717	8.13222	7.13124	7.52923	6.91353	6.89331	5.86096	7.52821	7.64749	6.97341	7.99407	7.58056	8.06928
C19orf53	9.82863	10.4362	10.032	10.6889	10.5911	10.4743	10.6932	10.5711	9.94907	9.28266	9.89394	10.5313	9.91339	9.9547	10.2374	10.2804
C19orf54	7.33098	7.88884	7.63411	7.25719	7.9697	8.26506	8.38824	8.73043	7.82261	7.55817	7.69452	7.39935	8.19658	8.20431	7.95378	8.19449
C19orf57	3.69182	5.60298	5.54788	3.94629	3.14557	4.75121	3.16512	5.25678	3.04535	3.47656	3.24563	4.60738	3.16183	3.05474	5.75747	5.26796
C19orf60	8.27303	8.37975	7.62599	8.04348	8.03074	7.94023	7.99622	6.02133	7.38598	8.21355	8.38858	9.89146	8.5739	8.85137	7.32857	8.1831
C19orf66	7.472	7.69659	8.07098	7.2851	7.55386	7.76523	7.11782	8.037	7.48191	7.66053	7.58264	8.18266	7.61999	7.67064	7.78949	7.90327
C19orf68	5.38177	6.6676	6.59709	5.9265	6.06808	6.29087	7.65632	5.97974	5.88266	6.24408	5.78351	4.12427	5.01701	6.47506	6.22482	6.37794
C19orf70	9.59327	9.44547	8.90713	9.92959	8.16838	9.39668	8.73603	8.48507	8.29063	9.48636	9.35829	10.2814	9.71731	9.27564	8.03332	9.51684
C19orf73	6.42465	6.41424	6.63529	6.17486	6.20144	6.0894	4.67727	6.21697	6.43335	6.89597	5.89332	6.55434	6.85535	6.14455	6.24442	6.80609
C19orf80	3.38024	3.44137	3.48538	3.00618	2.44843	3.81413	3.49217	3.23218	2.83517	3.57327	3.42769	2.99228	2.34547	3.16811	2.26702	3.75027
C19orf81	4.24384	4.94502	5.66916	5.47252	3.30882	4.45264	5.01511	5.77868	5.29621	5.35295	3.99549	4.86421	5.63647	3.91524	4.89474	3.16144
C19orf82	7.69565	7.33082	7.22549	7.90707	7.64499	7.33981	7.62478	8.00617	7.15633	7.10564	6.79376	7.18028	7.07611	7.81549	8.13721	7.75305
C19orf83	6.48913	5.96883	6.28643	6.42338	5.94158	5.41393	6.62601	6.59293	6.57895	6.24479	6.25576	6.46154	5.9554	6.15307	6.00213	6.9573
C19orf84	3.86261	5.05059	4.58359	5.28498	5.13175	5.22596	5.57489	5.85352	5.18228	5.22455	5.02998	5.45089	5.52053	5.03176	5.71461	5.41552
C1D	7.8954	9.00248	9.28574	8.68337	9.16397	8.72194	9.36362	7.9568	8.54009	8.43726	9.19498	8.51258	9.26978	7.42774	8.62243	9.31324
C1GALT	7.60227	7.84101	8.40426	7.93534	7.36602	7.42409	6.8284	7.58677	7.1455	8.37315	7.67964	7.02396	6.9079	6.52429	7.31389	6.55289
C1GALT	6.9803	5.62801	7.71299	7.30165	7.22234	6.67513	6.90769	7.36361	7.31112	6.8806	5.87061	6.46304	6.85454	6.60124	6.98418	6.8519
C1QA	6.13342	7.69916	8.41942	7.90044	7.42821	8.82383	3.93793	6.8032	9.54485	7.04626	9.1851	9.09601	8.40404	7.97381	6.92615	8.03646
C1QB	6.58037	7.83389	7.92881	6.86877	8.12509	9.55947	7.0576	9.46371	10.8668	7.09122	10.0259	9.40387	10.0029	8.1768	7.19505	9.15119
C1QBP	8.75045	9.05406	8.65782	8.92921	9.61082	9.35033	9.01581	9.42515	8.8213	8.69356	9.76707	9.89582	10.6733	10.6769	10.1277	9.9611

C1QC	6.20086	7.39793	6.60593	6.73025	7.92119	6.77117	6.23636	7.58056	8.96445	6.89597	8.81989	6.42054	6.91554	7.05247	7.11366	7.11898
C1QL1	3.39966	3.60223	3.55786	3.40487	4.07262	3.02067	3.87392	3.91906	3.82197	4.19001	3.35919	3.85006	4.0795	3.50687	3.69964	3.38837
C1QTNF	6.00057	5.62183	6.17076	5.98501	6.23761	6.64563	6.93502	6.87603	6.34034	6.08163	5.62444	6.49429	6.58963	5.72608	6.33496	6.51929
C1QTNF	4.10344	3.96497	3.9258	4.22106	3.66644	3.66504	5.0047	3.70769	5.98188	4.00874	3.54938	5.66243	5.57823	2.77311	4.93071	3.9365
C1QTNF	4.61877	3.48434	4.79439	4.1299	3.0533	3.68688	3.31153	3.74908	3.44034	4.63184	3.55809	3.21231	2.94778	5.06976	3.24403	4.04011
C1QTNF	6.01449	4.19827	5.2021	4.42592	5.46774	4.94543	5.29733	4.6592	4.82272	7.154	4.71759	5.69771	5.39292	4.27998	5.21372	5.22658
C1QTNF	3.13246	3.50584	5.31006	3.99755	2.65839	2.78532	3.08298	3.96044	3.55701	3.18735	4.73192	5.58361	2.81611	3.12884	2.52969	3.52431
C1QTNF	3.80894	4.24058	3.71862	4.16783	4.29278	4.83168	4.23345	3.91689	3.17124	4.40839	4.35543	4.4903	4.59267	4.20556	4.79101	4.32501
C1QTNF	5.55865	5.92959	6.46428	5.85631	5.83541	5.69433	5.21589	6.2594	5.95721	6.69878	5.06381	6.01839	6.02299	5.71831	5.30554	4.93129
C1QTNF	6.81286	5.86534	3.28947	4.31831	5.44316	3.85447	4.8582	3.61778	6.0054	6.01933	3.92452	6.85834	4.4044	4.64607	4.53449	4.72447
C1R	8.1649	8.55896	9.5293	8.64502	7.73791	8.60404	7.72378	8.10588	8.19596	8.64636	8.9415	9.48636	7.80351	8.02016	8.42736	7.46717
C1RL	7.26032	6.34464	6.23179	6.68722	7.30766	6.1126	7.1351	6.60496	7.02299	6.9961	6.62374	6.15008	6.37023	6.6798	7.00351	6.20756
C1RL-AS	7.28019	7.42774	7.39156	7.48831	7.04863	7.29311	7.12924	7.55668	6.84939	7.17279	6.92054	7.59643	7.18574	7.46283	7.11341	7.29311
C1S	5.89863	6.05086	6.23883	7.16831	6.59208	7.41057	5.11309	6.18497	7.78725	7.8025	7.00926	7.0023	6.04259	6.62353	6.16082	6.46888
C1orf100	5.0222	3.98362	3.40102	3.89582	3.44117	5.63647	3.93793	1.44837	3.86642	3.92077	3.85459	4.20947	1.11444	2.95261	3.98218	3.92452
C1orf101	6.23645	5.02465	5.95281	6.0936	5.99359	4.28984	6.33105	6.09815	5.33145	5.46994	4.71959	4.87799	6.43747	3.98617	5.4303	5.38189
C1orf105	1.79935	1.94258	1.88755	2.45536	3.55491	4.65553	2.3531	2.58708	3.40648	1.96807	2.27492	2.01179	6.0009	1.84505	6.68306	1.96263
C1orf106	9.82582	9.12492	8.06436	7.83611	7.76782	8.1411	7.96702	8.09717	8.49143	8.25461	8.28067	7.73397	7.75786	8.55961	7.47512	8.20121
C1orf109	7.33495	7.13623	7.18175	6.79474	8.26381	6.77414	8.98902	7.15173	6.56446	6.80343	7.14648	7.44712	7.79571	8.05838	8.79617	8.0442
C1orf110	9.40143	8.20394	7.08446	7.95439	6.04132	6.41038	9.26978	7.86813	7.87767	3.13394	3.12278	6.15904	4.80326	5.82837	5.34851	7.52366
C1orf111	6.17343	6.43844	6.36589	6.48178	5.61148	6.03673	6.23048	6.51384	6.00991	6.08344	6.14382	5.69822	3.95924	6.15504	6.21622	6.02794
C1orf112	2.13523	4.1932	4.40922	2.0998	6.3977	3.13279	6.20894	4.11111	4.52735	2.34717	6.13735	1.94688	3.44604	4.28324	5.65169	5.96359
C1orf115	4.38727	4.21488	3.91906	4.18954	2.75114	2.54194	2.37224	2.62826	3.78588	4.40807	2.67567	3.88508	2.75034	3.06819	4.07184	4.39265
C1orf116	7.15053	6.74635	5.65292	5.94405	4.53792	4.74517	6.82203	4.54258	5.59343	7.39988	7.00701	5.55944	3.94028	6.27213	4.68584	3.85508
C1orf122	8.2838	8.92258	8.184	8.39318	8.3171	7.91032	8.4703	7.91877	8.04476	8.88814	9.26491	9.91339	9.58269	9.4479	8.65607	8.46273
C1orf123	7.54137	8.01606	8.1215	8.49813	8.26067	8.67223	8.00951	9.04992	7.85403	8.16319	7.96758	8.46765	8.66491	7.89141	8.15909	7.65934
C1orf127	4.30102	4.26036	4.04694	3.57686	4.16584	4.47194	4.15069	3.84143	4.90488	3.87941	4.03549	4.4329	4.66581	4.50167	3.72694	4.02452
C1orf131	7.95203	8.29715	7.32079	7.90118	8.87472	7.533	7.4571	8.37069	8.21979	7.27891	8.69402	7.73397	8.72582	8.20967	8.27148	8.90934
C1orf145	3.36001	4.22425	4.21547	2.46648	4.78836	2.26326	4.57451	4.46469	4.34217	3.36453	3.70116	4.44723	3.92173	4.20319	4.55465	4.47148
C1orf158	7.72953	6.82071	4.36849	7.97169	5.34251	5.10155	3.0573	4.48907	5.79752	5.81455	5.54563	4.81824	5.23563	5.14737	2.79339	5.2021
C1orf159	4.21462	4.26036	4.31281	3.52553	4.56691	4.10435	3.74769	3.93793	5.06749	4.26756	5.71334	4.13909	4.52811	4.03667	4.85535	4.91623
C1orf162	6.52429	7.56138	7.51025	8.03609	7.86742	7.7162	5.96527	7.93534	7.6068	5.59155	8.50078	6.99689	8.49421	7.31075	7.38533	6.91343
C1orf167	7.79416	8.25902	7.7023	7.6652	7.25642	7.22695	7.49983	8.013	7.72953	7.9507	7.3272	7.69278	7.42103	8.03548	6.62636	7.38493
C1orf168	7.85138	5.01758	4.02938	5.94649	4.22272	4.13803	4.74151	4.77857	4.20362	4.64753	3.10689	4.57057	4.83307	4.88092	4.6921	4.18447
C1orf174	7.01929	7.65419	7.35865	7.07585	7.18124	7.39967	7.49082	7.37522	7.58869	7.41264	6.6551	7.72774	7.43605	6.7248	7.42325	7.64142

C1orf177	6.61362	5.79497	6.37144	6.38687	6.14532	6.47114	6.84326	6.20784	5.80518	6.33487	7.10339	6.19825	5.85266	6.16168	6.14323	6.09082
C1orf180	5.88381	5.51937	4.96769	6.49089	5.57527	5.18115	5.31867	6.52664	5.06242	6.06884	5.20807	5.18461	6.45415	6.08974	5.16539	5.19512
C1orf192	9.62162	8.39908	3.63509	8.46388	6.04946	3.40348	3.03237	3.69279	6.24261	2.50603	2.68367	5.41625	4.52811	3.0362	2.881	3.17553
C1orf194	8.89983	5.64993	6.38623	9.15916	5.81537	5.8125	5.14682	6.96438	6.38388	6.2052	5.09621	5.87016	4.97697	5.83348	6.51258	5.44618
C1orf198	8.49069	8.80228	8.68659	8.64201	8.66383	8.59487	8.66383	8.40722	8.43858	8.79141	8.35838	8.66637	8.9238	9.22273	9.05078	8.99433
C1orf200	2.75185	3.06378	4.22871	3.80706	3.2065	3.22527	3.44209	4.31688	3.06765	4.11175	3.64434	5.18234	4.30438	3.10839	3.5512	3.79382
C1orf204	5.9677	3.40176	4.37989	3.06525	4.39851	4.5181	4.34799	2.93245	5.54116	5.57542	4.60638	4.21622	5.42917	4.30792	4.80793	3.61186
C1orf21	5.50277	5.23078	5.80222	5.67998	5.63541	5.39911	5.56061	5.40291	5.40805	5.09531	5.66468	5.81289	5.76532	4.87205	5.80642	6.37758
C1orf210	4.72849	4.61934	4.15658	4.53167	4.00401	4.12592	5.62032	4.59647	4.06977	5.37429	4.26713	4.54726	4.73847	5.87121	4.2981	4.47888
C1orf213	7.70673	7.77242	6.57289	8.06011	7.49252	8.33874	8.92733	7.24621	7.10717	7.31941	6.70223	7.3119	7.77591	8.30954	7.73862	7.59921
C1orf216	6.75145	7.29496	7.36545	5.86647	7.06965	7.83101	7.18639	7.57352	7.87581	7.61148	8.05772	8.434	7.4726	7.81851	7.84747	7.5383
C1orf220	4.02962	2.26456	2.66774	6.03045	4.32613	3.98206	3.23578	2.95859	5.0773	3.97041	2.80891	5.25333	4.6132	1.4403	4.97312	4.79506
C1orf226	6.08285	6.15228	6.01115	4.98208	3.88843	5.71671	6.18041	5.80143	6.06835	7.0693	5.73322	6.11912	4.11284	5.49726	4.21771	5.85869
C1orf228	4.78257	3.90614	3.68775	3.65902	3.72627	3.97	3.43881	4.45763	3.78731	4.53976	4.38917	3.77904	3.99254	3.30355	3.4942	4.1603
C1orf233	6.37861	6.51218	3.49445	5.74598	3.2065	6.28277	6.19445	6.31886	3.98331	4.92142	5.66318	4.33523	6.72976	6.15139	5.96182	5.51657
C1orf234	5.13232	5.37412	4.7747	5.17832	4.14888	5.2799	4.74782	5.65251	5.36454	5.25952	4.07031	5.30957	4.96673	4.52704	4.68857	5.90706
C1orf27	5.57834	5.35784	5.97338	4.8258	6.44926	5.93541	6.01189	6.34562	5.93474	5.12472	5.91892	5.17437	6.02014	4.23244	6.3643	5.39317
C1orf35	7.81384	7.61581	6.98593	7.9673	7.56047	7.71518	8.06928	7.42152	7.44928	6.36329	7.43691	8.1821	8.16124	7.96606	7.8854	8.3717
C1orf43	7.10387	8.51084	8.29809	7.21975	7.89777	7.80556	7.21574	7.19487	8.0064	8.39497	8.73732	9.05769	8.16657	7.78582	6.93502	8.73887
C1orf50	7.22326	7.62768	6.72297	7.32634	7.15703	7.09584	6.97236	7.69946	7.06319	5.45382	6.95472	7.59076	7.90171	7.24474	7.52261	7.29424
C1orf52	6.92547	6.67527	7.51436	7.32785	7.69422	7.92001	7.91133	6.89922	7.07031	7.61077	6.83449	6.49857	7.58232	7.70673	7.2075	7.19551
C1orf53	6.19705	7.47017	5.93022	6.82022	6.98119	6.41484	7.04899	7.58117	7.24245	6.62173	7.1175	7.52127	8.03572	7.1578	7.01656	8.53692
C1orf54	7.95378	9.12003	9.2111	9.38768	8.79858	9.44859	8.59625	10.6233	10.0162	7.19373	8.44913	8.18148	9.52795	8.1282	8.8088	9.04381
C1orf56	3.83939	3.44414	3.29541	3.97756	3.15493	4.55949	3.78816	3.32081	3.83648	4.09572	3.77469	3.9256	3.38168	3.63872	3.6149	4.21256
C1orf61	4.43705	4.67276	4.58568	4.37538	4.27584	4.68783	4.70767	5.23713	4.382	5.1842	4.9251	5.30756	4.85971	4.86274	4.99415	4.67416
C1orf64	5.71986	4.16994	4.27544	5.40179	3.94739	4.19473	5.29633	4.15015	4.98208	5.77406	5.54563	6.1153	4.13938	5.79613	5.57414	4.25148
C1orf68	2.4842	2.55333	1.93478	2.29889	3.1532	2.01506	4.16372	2.39186	2.27492	2.14279	3.90987	2.79997	2.53415	2.39593	3.14371	2.66614
C1orf74	6.60794	7.23538	6.91674	6.84536	7.11224	7.22488	7.92634	7.65874	7.43362	6.67173	7.49719	7.67654	7.65794	7.59765	7.90495	7.30921
C1orf85	6.99689	7.11366	7.29816	6.68462	7.01044	7.18918	6.61459	6.79883	7.44518	7.79974	7.58869	7.79201	7.30035	6.94612	7.23122	7.79666
C1orf86	3.9636	3.85815	3.90025	3.91425	3.98788	3.83791	4.23928	4.43787	3.981	4.12524	3.77177	3.76953	4.41415	4.04247	3.59924	3.82357
C1orf87	7.97095	5.98264	5.09112	7.33082	5.59136	5.57446	4.96563	3.47335	5.97212	5.28156	3.111	6.52595	3.47767	5.32594	5.37234	3.48415
C1orf94	3.85425	3.85394	3.94585	3.39777	3.73118	6.45904	3.90378	3.53745	4.89893	5.04609	3.6751	3.49365	3.8683	3.90216	4.67029	4.07003
C1orf95	3.98277	3.83939	4.43996	3.76612	3.67488	4.39215	3.15124	4.71779	4.1603	4.04442	3.62864	5.56147	3.94824	3.99706	4.53092	4.48486
C2	5.01151	6.52034	7.04952	5.76053	6.30834	6.7551	5.76467	5.40727	7.11602	6.31896	7.34905	6.02602	5.46243	6.90744	6.52613	5.78459
C20orf14	5.67948	6.06644	5.86382	5.38794	5.33875	6.43414	6.09746	5.84319	6.07403	6.6651	6.18412	5.19111	5.76673	5.64502	5.78757	5.93708

C20orf14	3.42813	5.08775	6.79527	3.9262	5.8832	5.00186	3.20323	5.65668	4.14509	4.92663	5.06187	4.542	5.06539	5.65251	5.0222	5.31683
C20orf16	4.41574	4.7289	4.09823	4.74829	4.5743	4.4329	3.8062	3.96044	4.04754	4.67521	4.04954	4.60294	3.95924	4.01187	3.97261	4.91623
C20orf16	6.88265	6.85206	6.54284	6.77672	6.57303	6.75415	7.01235	7.5588	6.93148	7.09188	6.85158	6.94426	7.19551	7.06209	6.90904	6.48609
C20orf17	6.50001	6.20756	6.49318	6.83168	5.92409	6.34388	6.42527	5.34947	6.35794	6.43304	5.67273	6.74566	6.11965	5.97064	5.79671	6.2605
C20orf18	4.40791	4.49731	4.75104	4.6439	4.4489	5.20294	4.75355	4.58008	5.56523	4.45539	4.3025	4.32878	4.32095	5.39029	4.19275	4.43077
C20orf19	7.03779	6.25751	6.63258	6.85524	5.56798	7.23912	6.81521	4.68646	6.60229	6.48478	6.5579	7.1396	6.07628	6.12881	6.77216	5.02291
C20orf19	3.62466	3.83303	3.78517	3.97955	3.73118	3.71116	3.63379	3.45352	3.25201	3.5256	3.09709	3.18013	3.00618	3.52815	3.4886	3.89582
C20orf19	4.64669	5.58141	6.21218	5.26322	4.47992	4.68891	4.16438	4.6313	4.38261	4.67969	5.52616	5.6488	5.31988	4.39851	3.86881	5.20282
C20orf19	3.53756	1.62441	2.56774	4.60376	5.12769	3.99153	3.52327	1.51119	1.87545	0.47227	5.07244	4.42829	2.26476	2.41572	4.35703	2.07548
C20orf20	4.18362	4.34603	4.60263	4.06543	3.29806	5.25191	3.78412	5.65866	4.55992	4.76569	3.82659	4.92697	4.57021	4.74803	3.48226	4.77857
C20orf20	6.07188	7.02669	7.2685	7.04994	7.15193	6.78137	7.10488	7.88233	6.48455	7.11194	6.87603	6.77986	7.81302	6.97684	7.2038	7.35599
C20orf26	4.75618	5.25974	4.43832	4.31542	4.82016	4.46802	4.58988	4.28084	3.84066	3.45239	4.95899	4.4044	4.21204	4.94991	4.26411	5.60476
C20orf27	6.34789	4.95701	5.3089	5.01612	3.87488	5.06128	6.39033	6.63394	6.51789	5.16886	6.34587	4.2019	5.768	6.08682	5.18553	6.15156
C20orf62	4.09143	3.68203	4.83247	4.13561	4.36974	4.26239	5.18306	5.26311	4.16233	4.29709	3.94359	4.792	4.57516	4.63626	4.91813	3.56906
C20orf78	4.61877	5.07679	4.8564	3.13915	4.43422	4.79793	2.75954	3.79039	3.95837	3.29126	3.53979	2.17829	3.21485	5.21128	4.45949	2.59102
C20orf85	10.2415	8.91934	5.85894	10.46	5.95694	6.35116	3.08298	3.45352	7.12147	2.42411	2.15913	6.69829	2.36805	6.11232	4.36165	2.45954
C20orf96	4.99067	2.99228	3.26549	3.30112	4.89904	1.4697	3.35187	3.17146	1.69898	2.01376	2.95531	2.93048	3.28382	1.64103	3.56833	2.84751
C21orf11	7.42688	6.78565	6.23449	6.80649	6.51983	6.51425	6.10048	5.9545	3.63964	5.48393	6.4954	6.90094	7.66179	7.41075	6.7419	6.96135
C21orf12	3.61236	3.52573	2.88071	2.63639	2.68714	3.18781	2.58845	3.17146	2.35886	2.5437	3.54938	3.39606	4.10293	3.07586	3.25706	3.61186
C21orf15	2.23882	2.10562	2.07548	1.80217	2.02496	1.4697	2.0296	2.07548	1.76451	2.04282	2.10233	2.41615	2.04398	6.03045	2.29341	2.19188
C21orf2	6.13042	5.08302	5.91519	5.85427	5.30178	5.31186	5.41934	4.88894	5.56338	5.53424	4.87769	5.67091	5.55482	5.73566	5.03644	5.62901
C21orf33	6.25418	7.81046	6.69578	6.03712	8.07963	6.91333	5.60498	6.63278	6.68292	7.64835	6.92778	6.94061	7.44259	8.15161	7.79159	6.95587
C21orf37	6.16343	6.63967	6.72905	6.37105	6.48536	6.21486	5.0499	6.37566	6.34863	5.99161	6.15616	6.19045	6.33933	6.59396	6.70136	5.48407
C21orf49	6.15085	5.57834	6.4551	6.23437	6.26737	6.36411	6.54354	6.70707	6.23931	6.61966	6.46131	6.30457	6.29133	6.52676	6.08375	6.19217
C21orf58	4.32569	2.81587	2.52981	3.23662	2.62506	2.77414	2.62383	2.44811	2.72186	2.4026	2.40128	3.23142	2.89422	2.71255	2.32579	2.17829
C21orf59	7.54563	5.95187	6.92196	6.76605	6.39658	5.76565	6.95611	6.72765	6.90134	6.92377	6.67388	6.81937	6.45868	6.00101	5.89412	5.84212
C21orf62	4.68985	5.7588	6.14304	6.23263	5.13711	6.02146	4.7668	6.10692	5.60636	4.84233	5.10888	6.41408	6.09815	5.14147	5.92167	5.61352
C21orf67	4.68137	4.31702	4.91574	4.62341	4.2296	4.85833	4.62927	4.33712	5.08631	5.09486	3.54421	5.43712	4.57559	4.66213	4.20101	4.38474
C21orf88	4.04587	4.83812	4.76569	5.0052	4.86934	5.40673	5.19303	5.53995	4.83247	4.90933	5.15653	5.39886	5.02351	5.31649	5.1725	5.45118
C21orf90	3.34362	2.96902	3.14636	3.12819	2.59594	2.77474	4.28339	3.61778	4.28659	3.6301	3.19128	4.23928	3.29216	2.90323	2.90323	3.44955
C21orf91	8.45232	8.85361	8.96233	8.74074	8.898	8.84269	8.46973	8.97416	9.23884	8.20394	8.89125	9.13692	9.27414	8.76383	8.90271	8.9415
C21orf91	2.62266	4.02009	3.5479	4.75435	3.93408	2.84776	2.9516	4.60192	4.69519	3.82827	3.05981	4.0743	5.04828	3.96598	4.89423	3.51881
C22orf15	6.71482	5.22442	4.31046	5.1725	4.61485	4.38374	4.84269	3.8927	4.80261	3.36615	3.81533	3.67359	5.26002	4.85307	3.76612	4.80663
C22orf23	7.78755	3.75879	2.74259	6.59688	3.45301	3.33634	3.10453	2.67421	5.09913	2.85867	5.02623	5.43811	3.57524	3.21424	3.13607	2.81134
C22orf24	6.89497	4.05789	5.85386	5.37911	5.77051	6.41151	6.69536	6.23354	6.26758	6.22886	6.39634	6.41319	5.48407	6.94509	6.21888	6.85234

C22orf31	7.25991	7.65153	7.18769	7.46114	7.47951	7.55453	8.00533	8.13492	7.45295	7.47398	7.47271	7.64677	7.60125	7.67654	7.65455	7.82597
C22orf34	5.59149	5.86136	5.48754	5.85266	5.66008	5.57119	5.00891	5.95392	4.8362	5.01176	5.9868	6.03658	5.5524	5.5845	4.55658	5.40356
C22orf39	7.49942	8.00083	7.83323	7.82305	7.28741	7.7022	7.58648	7.90443	7.82179	7.7158	7.46126	8.00492	7.28084	7.06434	7.50258	7.52098
C22orf42	4.86513	5.31789	4.66602	4.17704	4.28519	4.95044	4.1581	3.40822	4.73341	2.94657	4.98334	4.19998	3.50136	5.07857	4.48338	3.74409
C22orf46	7.25544	7.38208	7.30766	6.59981	6.54459	7.35509	7.20767	7.46636	6.89979	7.05094	6.87829	6.75482	6.79643	7.14925	6.69021	6.60507
C2CD2	8.26876	8.51154	8.64417	8.10335	9.51684	8.48042	8.83871	8.91642	8.80081	9.04992	8.16276	8.46204	8.17853	8.90152	8.9619	8.69245
C2CD2L	4.07882	3.67301	4.34089	4.32046	4.38261	2.68743	3.63964	3.99089	4.93339	4.44321	4.90183	4.34691	3.5809	2.69522	3.68243	3.88013
C2CD3	5.89644	5.46062	5.34179	5.66353	5.5845	5.86038	5.89143	6.02499	5.91306	5.62247	5.53761	6.30006	6.25466	6.15224	5.13292	5.64301
C2CD4A	2.89649	3.76552	5.22874	4.7744	3.66644	7.09292	5.76985	5.29334	4.69793	7.20155	6.59837	4.06056	4.25636	2.18939	4.70419	5.96539
C2CD4B	4.31847	3.88575	4.19874	4.33745	3.69757	4.39265	4.22883	4.51531	3.68775	3.52398	4.48935	4.04139	4.65119	4.09067	3.82659	4.39141
C2CD4C	7.78669	7.73849	7.64872	7.17376	7.25163	7.3192	7.47282	8.01409	7.80888	7.99407	7.19414	7.62195	7.13112	7.74515	7.90074	7.58677
C2CD5	9.93918	9.26491	10.7548	9.87278	10.7134	9.25462	9.66243	10.0245	8.93587	9.14549	9.25806	9.3245	9.51582	8.87752	9.4567	9.19078
C2orf15	5.05401	5.08479	4.95276	4.22106	4.65407	3.85447	4.82631	4.49662	2.43603	4.21305	3.60639	1.69916	5.05022	4.65312	4.9403	5.6819
C2orf16	5.82023	5.58056	6.57289	5.60298	4.87854	6.18539	6.05868	6.24793	5.27471	6.20038	4.59792	6.43414	6.02407	6.50827	5.93911	6.70858
C2orf27A	6.36616	6.67644	6.83636	6.52979	6.89314	6.80843	7.79591	6.58326	6.67783	6.33362	6.18222	6.90726	5.84269	7.34801	7.22985	7.23281
C2orf40	9.37098	8.1838	5.2546	9.2111	5.23021	5.90007	4.80946	5.3347	7.18801	9.84358	4.50609	7.70929	2.73615	5.12155	4.81291	4.79506
C2orf42	7.76668	7.63288	7.95868	7.47555	7.73179	7.72681	7.98889	7.92634	7.85877	7.45765	7.22049	7.71287	7.1351	7.759	7.43362	7.57707
C2orf43	5.79922	5.16217	5.02826	5.37108	4.9553	5.05935	5.62739	5.73158	6.0156	5.01785	5.77073	4.54858	6.11019	5.82442	5.83348	5.93612
C2orf44	6.9415	5.58299	6.76542	5.89493	7.17993	7.39669	7.84126	7.54991	7.11924	7.44698	6.87298	6.95659	7.16126	7.16929	7.37813	7.165
C2orf47	8.60829	9.01455	9.05155	9.04992	9.58085	8.75563	8.8893	9.48206	8.60597	9.14736	9.01455	8.8284	9.3245	9.13804	9.42515	9.5671
C2orf49	6.26973	6.44083	6.18795	6.31668	6.22938	6.40072	6.45334	6.73634	6.23151	6.08176	6.77644	6.03408	6.75136	6.4838	6.70688	6.8205
C2orf50	5.71671	4.39917	3.14177	3.1203	3.62835	3.82218	3.35187	3.0093	2.70734	2.80132	3.111	5.6367	3.44604	4.09275	2.98901	4.36849
C2orf54	7.09572	7.93087	6.879	7.19756	7.26423	7.33157	7.62531	8.18061	7.65639	6.69152	7.07946	6.42714	7.29931	7.37273	6.34779	6.92002
C2orf57	3.41112	6.23778	6.06571	6.27029	6.23507	6.51815	6.80386	6.05436	6.35089	5.67091	6.39634	4.55964	6.90904	6.55748	6.36799	6.36113
C2orf61	3.23662	2.74824	2.89422	2.52969	3.07162	3.42836	3.52327	3.13235	3.29007	2.66614	3.72995	3.4402	3.50584	2.74868	3.51602	3.4643
C2orf68	6.72516	6.52645	6.43304	6.76245	6.3762	6.93883	7.03173	6.64925	6.42177	6.27756	5.93911	6.45687	6.21609	6.37144	6.56131	6.71402
C2orf69	7.46989	8.20228	8.74814	8.42097	8.83547	8.45757	8.97416	8.79617	8.22616	8.26814	8.19276	7.46327	8.54726	8.17965	9.07607	8.79361
C2orf70	4.80682	6.50148	2.66774	3.1994	1.73976	4.15792	2.96225	2.17246	5.51676	3.46275	3.02585	2.20167	1.86408	2.31516	1.94998	2.94176
C2orf71	2.83473	2.89801	2.93758	3.39777	3.03309	2.99117	3.53968	3.37974	2.47145	3.07203	2.3203	3.33905	4.14977	2.91144	2.81201	2.79166
C2orf72	5.49591	5.27456	5.67968	5.95685	4.97599	5.18703	5.55274	5.70264	5.47581	5.4365	5.33002	5.69299	5.5278	4.97408	6.13912	5.2467
C2orf73	2.70064	2.13825	3.27793	4.85334	2.02496	2.45459	1.98828	2.23712	2.39727	2.23712	2.04035	2.07548	2.42653	2.41572	2.21248	2.15094
C2orf76	7.61481	7.03779	6.01952	7.52217	7.51854	7.34135	6.36841	6.81608	6.83665	6.30355	7.46379	7.06035	8.11253	7.17565	7.84679	7.38493
C2orf80	4.78908	2.82798	5.56009	3.6256	4.5743	3.25596	4.52231	3.66599	4.79613	3.50939	4.70133	5.09784	4.79774	3.82047	4.7519	3.75027
C2orf81	7.38458	5.86534	5.1832	5.68112	4.92078	5.47132	4.60294	5.77447	5.95809	4.48984	4.61798	6.7959	3.78698	5.87473	6.17799	4.64352
C2orf82	3.49388	3.46973	3.29594	2.86481	2.49508	3.21409	3.44868	3.46026	2.91196	3.52053	2.33881	3.54755	2.63439	3.97703	2.53795	3.36001

C2orf83	2.34348	3.73984	2.29132	2.45536	2.87786	2.65434	4.80946	1.86949	2.70734	3.13394	2.85145	2.48941	3.23246	2.86263	2.63378	1.85717
C2orf88	4.63759	4.57214	4.86994	4.80743	4.18478	4.53	4.29221	5.99579	5.1034	6.55896	4.46828	3.98218	5.1418	4.48882	4.92554	4.16067
C3	11.0417	10.4068	11.0355	10.7017	8.73349	10.6031	7.61387	8.62008	11.3436	11.0741	8.46549	10.6233	7.74071	8.39725	8.16504	9.12823
C3AR1	7.54501	7.94485	8.09678	7.81222	8.06128	8.40792	7.39133	8.444	8.73732	7.97126	8.69304	7.76581	8.41487	7.81549	7.76594	8.15863
C3P1	4.28431	4.87197	5.06834	5.51387	4.77676	4.68011	5.43734	3.86842	3.63964	6.44205	5.55582	6.46771	6.14906	5.8501	5.03876	5.8509
C3orf14	7.18639	7.56065	6.71574	7.02669	8.09982	6.82513	8.65312	6.7903	6.76714	6.92817	7.0576	6.52891	8.10488	7.55173	7.53498	8.56452
C3orf17	6.6373	7.19246	5.96127	5.76967	7.75653	5.87662	6.49429	6.76392	8.03371	6.00649	6.43493	6.27668	7.97191	6.21895	7.50206	6.7568
C3orf18	5.27357	6.38135	6.11483	6.70289	6.02566	4.88484	2.88209	5.65668	5.42868	7.16436	5.21117	6.66367	5.50625	5.36972	6.08974	4.14722
C3orf20	6.79978	6.84536	6.95289	7.04441	6.22371	6.99012	6.5965	7.18801	7.02968	7.28966	6.62173	6.94374	5.52053	6.84173	6.83067	6.5732
C3orf22	6.23145	6.79347	6.65525	5.92025	6.37053	6.32028	6.7013	5.64102	5.32765	5.47514	5.67044	6.96582	6.55426	5.71111	5.65359	7.05849
C3orf27	3.74737	3.65681	3.99043	2.90159	3.0533	3.18781	4.14005	3.25357	3.27349	3.31009	3.80883	3.91237	3.99596	3.21424	3.18863	3.27231
C3orf30	5.45637	5.86534	5.42204	2.40724	3.76997	5.85664	5.22236	5.64861	4.99264	3.85542	4.36479	5.79694	5.74383	5.4874	5.45637	5.23232
C3orf33	4.6779	4.18531	4.22425	4.96023	4.56691	5.21505	5.19716	4.59647	3.6792	4.66095	4.83644	2.2743	5.23563	3.67678	4.33642	4.78652
C3orf35	3.09851	3.4933	2.77497	2.83422	2.71531	3.46064	2.53476	3.45352	2.61941	2.75002	2.99709	2.44179	2.49591	4.76631	3.96629	2.67577
C3orf36	4.64929	5.60583	5.65855	5.36992	5.64209	5.83	5.0499	3.23218	5.49837	5.12708	5.13338	1.2545	4.19674	5.5659	4.84205	5.35438
C3orf38	6.29513	6.76622	6.63473	6.27322	7.17486	6.41563	7.00837	6.9564	6.37347	5.97761	6.53487	6.65411	6.72335	6.11302	6.11906	7.16663
C3orf43	6.85291	6.85697	6.70664	6.47114	6.61235	6.63624	6.59245	6.19148	6.33445	6.82761	6.6314	6.14157	6.818	6.60555	6.36004	7.12512
C3orf49	6.83682	7.15042	7.31648	7.27309	7.10149	7.419	7.32487	6.45798	7.36321	7.68234	5.92292	6.21114	7.4236	7.0468	6.84701	7.06996
C3orf52	5.1517	4.23705	4.41538	4.60058	5.09342	4.89742	6.22344	5.03287	4.87602	5.10451	4.57214	4.80583	4.98419	4.95403	5.17761	4.64897
C3orf55	5.29199	5.9769	6.11992	5.47581	6.08128	6.0536	4.1487	5.56444	5.68639	5.94857	4.82868	5.32867	4.34233	5.73609	6.08718	5.93989
C3orf56	4.30102	5.1507	5.81566	6.08539	3.60374	5.45391	5.19716	5.58831	3.69577	6.33487	5.21362	4.77116	4.67307	5.23003	4.44812	4.61466
C3orf58	5.02539	4.7732	4.97569	5.73966	5.54814	5.05901	5.20375	5.04584	4.6561	4.68457	5.09531	4.24629	5.52122	5.2591	5.19435	5.316
C3orf62	5.71324	6.04791	5.38139	5.36331	5.81749	3.99858	3.47278	5.69927	3.19069	5.01601	5.71334	6.2538	4.08241	5.19549	5.32247	4.55668
C3orf65	2.97713	3.65448	3.81566	3.67528	3.64739	3.31223	4.00461	3.49599	3.80894	3.65968	3.07358	2.91928	4.54858	2.81069	3.69299	3.65902
C3orf67	7.01068	5.58603	3.72265	6.72174	5.41338	5.22596	6.04212	3.88575	5.86679	4.17211	5.31852	4.80682	5.01701	4.38727	3.10868	2.45954
C3orf70	4.50409	5.78319	6.4495	5.89935	4.39426	4.54756	5.42372	5.12455	5.37219	7.15229	3.94138	5.97916	5.50576	5.10864	5.62168	4.61686
C3orf79	5.23682	2.69344	4.58359	3.08274	1.69898	1.09519	4.18377	2.2672	3.95837	4.66895	4.43705	3.80634	1.53958	3.42962	4.83898	3.95427
C3orf80	0.90643	3.47417	4.20503	0.64437	6.0605	4.66791	4.3989	5.08644	1.26079	5.92806	4.44812	2.34474	3.50584	1.97057	6.34947	4.48935
C4BPA	3.97	4.16994	4.24573	4.28639	5.64209	4.03667	3.90378	5.66963	5.57542	4.41097	4.24406	4.13909	7.0261	4.60279	5.48401	6.71983
C4BPB	4.27584	4.65943	4.5951	5.28498	4.21316	4.00784	4.36468	4.31688	4.09292	4.55883	4.08852	4.51613	4.006	4.04773	4.13035	3.98264
C4orf17	4.77121	6.61588	5.56009	6.7756	5.94464	6.34101	6.18726	6.67817	4.55668	5.14202	6.02659	5.38286	6.54832	6.30203	6.53922	6.14382
C4orf19	7.46368	7.06858	5.69191	6.03112	3.36292	4.36607	5.29804	2.94819	6.70631	8.42736	3.60223	4.48995	3.70847	3.11652	4.52512	7.43362
C4orf22	8.16518	6.52849	1.76827	9.24769	2.42207	2.48692	2.42155	2.13755	2.18568	2.42411	1.91586	2.73426	2.17097	2.22838	3.03267	1.98412
C4orf26	1.32695	0.89181	1.3689	1.50761	4.21316	3.22527	4.12999	3.52249	1.63986	1.43866	4.1725	3.47261	2.92938	2.68036	2.04035	1.96263
C4orf27	7.09387	7.24192	7.03075	7.71057	7.59473	7.51249	7.2774	7.7642	7.65946	7.30991	7.72534	6.95399	7.92528	7.24292	7.51709	6.56975

C4orf29	7.68995	6.90407	7.8025	7.31017	6.87096	7.67366	7.35304	7.276	7.48777	7.34582	7.17804	7.10887	7.04994	7.21707	7.47423	7.14971
C4orf3	9.17096	8.81989	8.79448	9.31511	8.396	8.70701	7.27143	8.10655	8.40127	9.23319	8.36393	8.10362	8.91995	7.58424	8.38789	8.61099
C4orf32	4.31993	4.83168	5.5947	4.90526	4.60464	4.42997	3.61047	4.31354	5.08574	4.6921	5.79169	4.26639	4.43867	3.7147	4.94515	4.51021
C4orf33	5.03322	4.00169	4.62869	4.02672	4.28461	4.88534	2.65325	4.48323	3.82945	3.29685	4.04879	2.78144	4.34346	4.81967	3.69122	3.43977
C4orf36	3.88851	3.16637	2.65267	2.36312	1.77016	4.44653	0.83956	1.14774	2.5663	1.35594	1.95222	1.41969	1.35312	1.59381	3.7365	1.54854
C4orf45	1.54854	1.62441	1.4899	1.26539	1.60199	1.4697	3.16512	2.23712	1.76451	1.43866	1.63512	1.2545	1.73296	1.78331	1.74155	1.66002
C4orf46	5.47541	5.88405	5.17906	5.26064	6.38629	6.74227	6.23233	6.48056	6.07982	4.18064	7.06915	5.99707	7.25444	6.4091	6.63908	7.06794
C4orf47	8.05225	5.11909	3.41557	6.9788	4.57635	4.54874	5.46507	4.1332	5.98966	4.95776	3.99805	5.12131	3.80377	4.49693	3.86957	3.56531
C4orf48	9.36057	9.22652	9.08658	8.47614	8.25368	9.57819	8.97654	8.36919	9.3245	9.1841	9.40143	9.80078	9.95652	8.74665	8.62997	9.89872
C4orf6	4.63591	5.39586	3.72265	4.81755	4.74792	4.22923	3.92606	4.7289	4.47552	5.36306	4.25636	4.48862	4.27078	5.11206	5.40039	5.64846
C5	5.70446	5.23996	5.22874	5.60876	6.35143	5.32297	5.49535	5.57521	5.46799	6.1908	5.16821	4.32878	5.95749	6.44417	5.91892	5.55298
C5AR1	6.71221	3.1532	5.05469	4.31296	6.23919	4.20319	7.30469	6.85607	6.29614	3.02948	5.88087	4.06571	5.09869	7.81549	5.28471	5.82871
C5AR2	4.89528	6.5318	5.33349	5.45206	5.38528	2.36638	2.78886	3.39861	2.86093	4.14078	1.82109	5.48379	3.72312	3.41704	1.35876	2.76844
C5orf15	8.22559	7.26291	7.44642	7.68956	7.54686	7.69972	7.43085	7.70022	7.30458	7.94351	7.38774	7.57931	7.24445	7.25205	7.22669	7.7963
C5orf17	3.00675	5.46805	4.77797	3.65448	5.14982	3.17101	4.935	5.59748	4.84059	4.99475	4.94092	5.50994	4.99358	4.98359	5.4513	5.6819
C5orf22	5.68466	5.05142	5.10272	5.28666	5.38125	6.49401	5.14817	5.2546	6.01651	6.16838	6.3542	5.53864	6.1326	4.94944	5.0694	4.91813
C5orf24	5.53472	5.87873	6.16862	5.43333	5.68639	5.5362	6.01504	5.23487	5.57718	5.93403	5.8839	5.50235	6.26477	6.30023	5.76996	6.16926
C5orf27	6.40964	5.47836	6.13739	5.59384	4.6615	5.64899	5.91306	5.01734	4.98761	7.24245	5.46764	5.84112	5.56267	5.29145	5.14236	6.17903
C5orf28	6.29917	5.76327	6.82962	6.76495	5.32626	6.41874	6.05143	5.56185	5.34141	6.2599	5.90589	5.4498	5.27954	6.12946	6.30759	6.18419
C5orf30	7.32289	7.53337	7.93038	7.46529	8.00205	7.55755	8.37262	7.21462	8.09882	6.61469	7.86622	7.59573	7.46379	7.44541	7.47821	8.22674
C5orf34	5.33688	5.17157	5.84809	5.91663	7.54269	5.9972	6.5777	6.06816	6.85031	4.80682	6.62549	5.95942	6.48199	6.02079	6.92535	6.73237
C5orf42	5.09699	4.12015	4.72867	4.37563	5.19085	5.0651	4.99358	3.95471	5.49629	5.77681	3.52979	3.85815	4.64174	6.1163	4.64669	4.49454
C5orf45	7.71993	7.0811	7.87426	8.2869	6.02014	7.10928	6.67107	7.59324	6.27896	7.98479	5.22666	6.3948	5.06106	6.83449	5.28699	6.57712
C5orf46	6.55916	4.86753	6.37144	6.02751	6.30893	5.17093	4.99448	5.57879	5.69444	7.6035	5.73103	5.92734	4.94162	6.05846	4.92331	6.61027
C5orf47	4.8731	3.82972	4.02106	3.72627	3.41769	3.63369	3.43252	4.67186	4.22943	5.13036	3.8877	5.25519	3.27314	3.58364	4.26185	4.34433
C5orf49	8.51229	7.12292	3.44341	7.40049	6.10943	6.25094	5.33349	4.46867	5.79752	4.86372	4.63606	5.39962	3.64142	5.05216	5.01318	5.50582
C5orf51	6.1875	5.80993	5.73085	6.57895	6.52299	6.19518	5.33068	6.28229	5.71535	6.4707	6.23199	6.5312	5.80066	6.53922	6.52442	6.51597
C5orf55	6.24627	7.40799	6.03198	6.18324	6.25369	6.24569	6.19774	6.25598	6.46428	7.01562	6.15753	6.11277	5.63921	6.34532	6.34004	6.45446
C5orf56	6.41319	6.31261	7.25138	6.8119	6.8266	7.26032	6.82429	6.62824	6.72968	6.34361	6.54672	6.91814	6.5377	7.33526	6.83474	6.42834
C5orf58	4.96357	4.83683	4.46349	5.34019	4.09292	4.92117	4.54926	5.18485	4.93441	4.32423	4.69272	5.13936	5.19111	4.83247	4.94203	4.51099
C5orf63	6.3281	5.5189	5.81473	6.09165	5.3317	5.97293	6.05447	6.20463	5.71755	6.22827	5.12561	5.68112	5.28241	4.62434	5.62694	6.13418
C5orf64	5.2904	6.02858	5.39073	4.50716	5.67026	5.87276	5.95888	5.93974	5.70415	6.28135	5.75058	5.89719	5.46165	5.13985	6.26461	5.84965
C5orf66	6.65309	7.5326	6.48278	7.06005	7.71899	7.20415	8.55727	8.14417	7.15958	6.78707	7.42558	7.49784	8.48429	7.9442	7.63182	7.66014
C5orf66-A	2.08404	3.09358	3.07458	3.66594	3.32431	3.35168	3.03237	5.08644	2.5663	5.27076	3.74792	2.81338	2.81611	4.70657	2.69546	3.96332
C6	6.09928	6.42701	5.17698	7.71824	5.54744	6.29087	6.24397	5.46099	5.75308	6.88661	5.95087	6.38874	6.3988	6.53759	5.7006	5.48056

C6orf1	3.70138	7.46139	6.75415	7.26223	7.10034	7.00766	7.24493	7.0261	6.73599	6.81265	7.45059	8.23349	7.14668	7.22267	7.20191	6.32848
C6orf10	4.10344	4.76965	4.87525	3.44117	4.37803	2.03544	3.35187	3.39861	3.04535	2.12186	2.91487	5.66243	3.00618	5.04161	3.08134	2.94176
C6orf106	6.06544	6.55009	5.21149	6.33298	6.58645	5.99792	6.3829	6.74395	6.61915	5.42007	6.78637	6.68077	7.00489	6.79607	6.66656	6.46055
C6orf118	5.38754	5.2924	5.09839	5.44046	5.77227	5.55652	5.61291	5.91616	5.7379	5.7174	5.37333	5.31438	5.80045	5.3523	5.57066	5.15683
C6orf120	7.60269	7.69452	7.68174	7.53361	8.2033	7.58939	7.49699	6.58737	7.15669	7.81725	7.66417	7.17415	7.48951	7.60078	8.18026	8.3171
C6orf123	2.71009	2.8652	3.87392	2.35117	3.19417	2.23187	4.70793	2.41185	3.4746	3.59587	2.7797	2.23469	4.06587	2.20796	3.98449	3.33424
C6orf132	6.29342	4.69635	4.77206	5.02563	5.11427	4.15353	5.75768	4.45614	5.13823	5.36209	5.18736	4.97408	3.4527	5.76203	4.76569	3.49162
C6orf136	7.02379	6.30501	6.1677	6.87399	6.66617	7.04028	7.14809	6.85663	6.76245	6.16976	6.92377	6.82648	7.11602	7.22727	6.97927	6.88927
C6orf141	5.79724	6.22361	7.68418	5.68944	9.52327	6.58066	9.5431	8.4721	6.32223	5.50341	6.12151	7.12819	9.055	10.2084	7.92881	8.48815
C6orf15	4.6779	6.38135	5.4895	4.56912	4.43422	5.50242	5.2563	6.59245	5.16507	6.56664	5.93216	5.05314	5.57521	4.32699	5.89999	5.02623
C6orf163	6.05602	5.73235	5.82	6.13689	6.21356	6.29625	5.45816	6.17104	5.36964	6.14229	5.39798	6.44343	5.99847	5.09432	5.59535	6.12725
C6orf164	3.31017	3.58335	2.66774	2.92162	3.22566	2.67969	3.18384	2.55884	2.88086	3.58913	3.46534	2.01179	1.93701	3.39861	3.17223	2.73131
C6orf165	9.49763	7.62165	5.83049	8.31119	6.43883	3.90614	5.82427	6.30852	6.37624	3.74711	3.57447	5.94963	4.16937	3.9369	6.61115	4.52387
C6orf195	5.4315	4.69357	5.40086	5.93381	5.34251	6.25692	5.52025	6.32848	5.37062	6.30501	5.02623	5.50633	5.5025	6.26387	5.58126	5.476
C6orf201	3.9591	3.6843	5.06834	3.77125	3.62835	3.42836	3.58877	5.0677	3.06765	5.59567	3.58961	3.58989	3.80685	3.54384	3.84111	5.66473
C6orf203	7.78067	7.27093	7.78682	8.18753	7.80919	7.76946	8.74164	8.18597	7.82093	7.27289	7.75696	7.86365	8.2586	8.31171	7.71233	7.69452
C6orf211	8.20021	8.52697	8.86001	8.56923	9.4479	9.14549	8.63859	8.1427	8.21072	7.61148	8.85614	7.99684	8.97654	9.27221	9.6665	8.62008
C6orf223	4.32782	4.84732	5.19754	5.0435	5.14009	4.21647	5.78258	4.38038	3.89843	5.14097	4.23787	3.92524	5.11427	4.40686	4.39335	4.59755
C6orf226	8.24208	8.23492	7.85305	8.44024	7.24729	8.037	6.21417	7.50481	7.13353	7.23509	7.34125	7.50456	7.94249	6.24639	7.1062	7.15703
C6orf25	1.26457	1.67217	2.8391	2.45536	2.29738	2.63321	2.31492	2.43067	2.03262	1.35594	1.51119	2.29689	2.81611	1.36152	2.41671	2.4366
C6orf47	8.23129	8.48955	8.13794	8.01247	7.47017	8.07286	8.62467	7.7158	7.82597	7.86047	8.00713	8.47497	6.90726	7.66201	7.86541	7.59661
C6orf48	9.84358	10.4176	9.2707	10.8107	9.76458	10.4489	9.47897	9.12823	9.20192	10.0883	9.38055	11.2693	10.1211	10.3343	9.92959	10.2227
C6orf52	7.3259	6.30069	4.45365	5.30988	4.61634	5.94499	5.40569	4.63984	5.52733	4.66635	4.54485	4.46828	6.56163	5.44046	6.07849	5.87942
C6orf57	6.35565	6.3949	4.70708	6.51208	6.59384	6.10352	4.62693	6.98113	5.22807	5.85135	6.45868	6.35462	7.30897	6.30203	5.8373	6.8481
C6orf58	5.31858	4.8213	4.3717	4.36722	3.99057	6.03368	3.62589	5.316	3.45895	8.34481	4.23182	4.93774	2.85784	5.01851	5.19056	3.63078
C6orf62	7.20502	7.24603	7.72984	7.10875	7.65049	6.95429	7.10387	7.19839	6.79393	7.2038	7.55068	7.00304	7.4292	6.88337	7.3511	7.30991
C6orf89	6.10632	5.76565	6.55527	5.77971	5.73966	5.67487	5.93008	6.23393	6.3105	6.49184	6.31984	5.93541	5.79752	5.8361	6.05337	5.74261
C6orf99	7.09829	6.34341	5.87203	6.85804	5.79396	6.01466	6.35015	6.9262	5.92675	5.86096	5.74832	6.51441	6.08846	6.17219	6.31502	6.55245
C7	5.66075	4.54295	5.52864	6.60878	5.62571	6.61895	4.13181	5.04544	6.62616	9.06063	2.96003	7.42635	3.18907	3.40648	5.13968	4.27879
C7orf13	5.00904	4.90215	5.01027	5.36713	5.18485	4.48115	4.85299	4.79259	5.89594	4.20362	5.55582	5.44151	6.02949	3.78375	5.64618	4.389
C7orf26	5.91547	5.80863	4.81738	5.36831	6.49041	5.78989	5.69831	6.06384	5.9206	5.70221	6.43323	6.03962	6.62237	6.27109	6.39736	6.66101
C7orf31	5.60724	6.48103	6.56664	6.14034	6.51748	6.19141	6.10612	6.56557	6.58083	5.69188	5.73322	6.12279	6.24882	5.66451	6.20404	5.75171
C7orf33	3.62466	4.14691	3.95827	3.88735	4.13167	4.05393	3.90378	3.88575	4.92985	4.20362	3.88263	4.48458	4.51744	6.67107	3.95895	3.98264
C7orf34	4.86595	4.93129	3.78772	3.47567	4.78796	2.34674	5.46353	4.35094	3.58733	3.96455	4.19574	4.28379	4.40807	5.08302	4.8611	3.16845
C7orf43	7.01721	7.42635	7.45812	6.48329	7.0519	6.84972	7.11689	6.844	7.19222	7.06255	6.97946	6.84871	6.60635	6.621	6.47173	7.24986

C7orf49	7.65208	8.52211	8.3899	8.73206	8.31053	7.98889	7.82597	8.65431	8.055	8.658	7.69585	8.73392	8.54009	8.04793	8.6757	8.61593
C7orf50	6.73182	6.28592	6.77825	6.74418	5.9804	6.43689	6.09555	6.39825	6.34505	5.94627	6.55858	6.95847	6.09232	6.19241	6.37493	6.14957
C7orf55	9.06394	8.80058	7.77111	9.25806	7.60287	7.8922	7.68737	7.71299	7.33026	8.34712	8.16058	8.39515	8.95046	7.56639	7.50832	9.36596
C7orf57	8.85906	6.25129	3.73945	7.94114	1.64332	4.24599	3.91631	0.64273	4.91034	-1.4826	2.75175	2.76999	0.07153	-1.1312	2.89621	-0.7797
C7orf60	6.33746	6.87934	6.08344	6.58707	7.51694	7.5707	6.18726	4.30714	6.91282	6.8911	6.92524	6.88861	7.64325	6.28749	7.92556	6.57712
C7orf61	6.98422	7.25138	6.97472	6.72888	6.9158	7.0257	7.66395	6.92888	6.58083	6.69975	6.56368	7.49508	7.04666	7.51829	6.83112	6.42316
C7orf62	3.78698	3.72982	4.79144	3.988	4.83558	5.74682	4.34027	4.8294	4.97647	3.79424	3.86158	5.64034	4.07063	4.70657	4.32654	4.63943
C7orf63	7.18699	6.41224	6.65329	6.60805	6.21942	6.46269	5.35947	6.88484	7.04151	7.24167	4.67994	5.62362	5.86266	6.791	6.32898	5.89788
C7orf69	5.16837	4.94502	3.13257	4.34058	3.59057	3.68688	4.10344	3.80483	5.3524	4.41097	3.76737	4.36401	4.2792	0.89896	3.97261	3.12132
C7orf71	3.09851	5.51616	4.07133	4.84774	3.39606	4.50567	3.0573	5.50242	2.58986	3.50939	4.73761	3.35152	5.07725	2.91144	5.55253	5.24773
C7orf73	7.41405	7.27347	6.93789	7.36932	7.51009	7.93138	7.70458	7.44312	7.33414	7.43529	6.88265	6.44523	7.98571	7.42706	8.01345	8.16729
C8A	4.30102	4.64322	3.81806	4.58588	4.31963	4.4329	5.35566	4.1399	4.87944	3.99153	4.16718	4.09275	4.2307	4.6285	4.57565	6.1809
C8B	3.97679	3.42761	4.06126	3.1203	4.32613	3.57327	4.887	3.93793	4.39183	4.24348	5.04878	4.02412	5.58559	3.95895	5.39264	2.92719
C8G	2.81334	3.53745	3.75788	5.47686	5.49029	5.04234	6.4978	4.11111	5.62078	3.57327	4.90886	5.45089	3.17825	5.4269	3.32134	3.28662
C8orf12	2.93125	0.69487	0.89696	2.72117	2.47594	0.27064	1.43866	0.88665	2.47145	2.72148	1.20713	0.75844	1.4697	2.51368	0.88665	0.9979
C8orf17	3.16429	4.68339	3.1811	2.45536	5.23646	3.78772	3.40901	5.82855	5.00928	2.07832	5.35576	4.52123	2.04398	3.87671	2.89621	2.65953
C8orf22	5.61093	3.86925	4.87214	6.77034	4.3537	4.21021	5.07679	5.02351	5.00335	5.44477	3.57447	5.80388	5.3421	5.25231	3.18863	5.16578
C8orf31	4.6618	4.1932	4.25955	3.33739	4.09689	3.95264	4.34027	3.6374	5.22807	2.83032	3.91647	3.38388	3.0877	3.42962	4.13035	3.62113
C8orf33	6.85943	6.94813	6.27109	5.7212	7.09188	6.9595	6.82876	6.8119	6.72068	6.66184	7.10941	7.19454	7.02742	7.66453	6.50605	7.02009
C8orf34	6.19553	3.8969	3.46478	5.77633	3.50462	3.52979	3.44785	3.38957	4.08223	3.01995	4.04734	3.38957	3.33247	3.40918	3.60386	3.6899
C8orf37	6.48424	6.69975	6.49798	6.77254	7.00902	6.94509	7.41204	7.00477	7.06794	7.26413	6.66774	6.75064	6.99889	6.96952	7.08088	7.11663
C8orf4	9.28755	8.56052	9.46666	8.26406	10.1061	9.22423	10.9279	7.7897	8.90238	8.35397	8.41852	9.37224	9.48403	10.8485	9.61505	9.25806
C8orf44	3.50034	5.00175	4.39825	3.77125	4.87854	4.89942	5.09806	3.43351	4.90488	4.39917	4.37803	3.39606	5.06968	2.97219	3.99153	5.68746
C8orf46	3.83648	4.46011	4.61897	4.98301	3.40389	4.88247	4.24885	4.78962	4.74782	5.17622	3.04271	3.90488	4.52625	4.08122	3.15782	4.64929
C8orf48	1.70087	0.79	2.63513	2.75974	2.73769	2.18538	5.22744	2.34717	1.26079	2.04282	4.47417	2.04143	2.39587	6.09928	2.7465	3.80262
C8orf49	5.85581	6.14859	5.35219	5.17832	5.13175	5.53483	5.71924	5.30178	5.97794	5.82603	2.73426	5.95183	5.56267	4.95783	5.7006	5.42382
C8orf58	5.49265	5.77781	5.75554	5.55094	5.91869	5.88373	5.5717	6.10612	6.08756	5.80427	5.99003	6.06344	5.80477	5.78459	5.92501	6.26498
C8orf59	7.89821	8.57946	8.59839	9.10897	8.65005	9.10246	10.0953	8.72779	9.33414	8.19842	8.25902	7.3013	8.64603	8.77677	8.9973	9.07714
C8orf60	6.7635	7.36932	7.41516	6.58707	6.47219	7.02035	7.19291	7.06274	6.82648	7.03405	7.18562	7.15193	7.32114	6.89307	7.00374	6.91213
C8orf66	6.29418	6.20923	6.39062	5.91096	5.12769	5.82474	5.33752	6.37758	6.03198	6.02598	5.8694	6.12279	5.64247	5.88688	4.62974	5.3496
C8orf74	4.94447	5.61631	5.09784	4.41729	4.55018	4.54258	3.92267	5.05401	4.48075	5.29401	4.71298	4.34511	5.12168	5.66845	4.04407	4.48532
C8orf76	7.66255	7.68824	7.57583	7.84852	8.35203	6.50763	8.60404	8.06036	6.43637	7.21373	7.90998	7.27022	7.63667	8.37038	7.92449	8.13968
C8orf82	8.24849	8.35903	7.0935	7.75453	7.43943	7.8862	7.82305	7.81498	7.42441	7.77756	7.59795	8.92195	8.88342	8.31881	8.32931	8.02626
C8orf88	4.32841	5.45313	5.80461	5.80597	4.25176	4.68745	5.49591	4.64127	5.56354	6.26018	5.08531	5.68993	4.3801	5.5426	5.42892	5.75916
C9	2.81334	2.67513	3.31271	0.29867	2.42207	1.19537	3.35187	2.04007	3.88943	1.59139	1.59488	2.29689	1.18021	1.17253	2.26702	2.65953

C9orf114	6.50796	6.30433	6.2147	6.66617	7.09619	6.78161	6.34906	7.04241	7.33347	7.06858	7.22669	7.59516	7.04386	7.24097	7.11036	7.20323
C9orf116	8.51429	7.08361	4.76901	8.34622	5.11924	4.58697	4.00224	4.51181	4.76618	4.69157	3.63599	5.54973	4.50143	4.99837	4.94152	4.86562
C9orf117	6.72068	5.24808	4.32501	5.98786	4.12051	4.64145	4.93804	4.49127	4.62043	4.85148	4.74007	4.63097	4.61798	4.60697	4.16955	4.62263
C9orf131	3.42813	6.1916	5.4757	5.77571	5.81537	5.75554	5.65267	6.45541	4.69241	6.13578	5.90945	6.22542	6.20065	3.21424	4.06918	5.16989
C9orf135	8.67666	7.8954	4.48261	8.38294	4.91054	5.98895	5.01176	5.14215	5.81608	4.02718	4.28084	6.59344	3.86205	4.53756	4.44493	4.83383
C9orf135·	3.64066	1.88256	1.70381	1.73098	4.40686	3.30682	2.47678	4.55949	4.32124	2.63576	3.18189	2.53152	4.69241	2.54935	1.74155	0.86912
C9orf142	6.80649	7.37495	7.35675	7.41748	6.85641	6.71039	6.87036	7.2218	7.06794	6.95938	7.31308	8.53034	7.43691	7.62364	6.55911	7.45828
C9orf152	7.75653	7.44046	6.64108	7.23966	6.26091	6.12936	6.30615	6.83862	6.38787	7.98082	5.50891	5.8676	6.05349	5.72006	5.53303	6.49341
C9orf156	7.02351	6.73729	6.70274	7.1777	7.07198	6.63499	5.58617	7.01125	7.00599	6.99143	6.55209	6.90468	6.64251	6.33063	7.06209	7.16189
C9orf16	5.56628	6.16942	5.32692	5.71711	5.5224	5.99946	4.58384	4.22106	5.8311	6.48549	6.07584	6.37311	6.53457	6.15753	5.01078	6.13152
C9orf163	7.35585	7.61581	7.37266	7.41188	7.01906	7.39608	7.36709	7.67964	7.3737	7.59995	7.06209	7.97582	7.53096	7.22267	7.28432	7.16026
C9orf172	3.66681	2.46272	3.43133	4.0196	2.71531	4.82194	2.20014	2.731	3.91489	4.21305	2.50161	2.93048	3.64142	3.33112	3.03267	4.31542
C9orf173	5.24098	4.7658	6.31081	5.25444	5.74699	5.02328	5.87081	6.02933	5.23893	5.15052	5.23928	4.36401	6.15765	3.8419	5.21941	5.7957
C9orf24	11.9804	10.371	8.0016	11.1434	7.33347	9.37769	6.88215	7.71422	9.61082	6.44639	5.59779	10.4068	6.3988	7.79893	6.11992	6.46314
C9orf3	8.42037	8.11669	7.95951	8.39657	8.72521	8.32463	8.69304	8.11826	7.76388	8.43956	7.85153	8.42037	8.42736	8.14909	8.10013	8.5288
C9orf37	5.39305	6.17098	4.31281	3.30112	4.41516	5.49044	5.03203	4.56358	5.25322	2.77263	3.96082	2.91196	5.08115	5.7495	4.06918	4.80528
C9orf38	3.11441	2.84393	2.48448	3.56531	2.47594	4.36427	2.3531	3.55509	5.06749	3.92077	2.24458	2.2269	2.49591	2.44811	2.39175	4.57777
C9orf40	6.62877	6.89356	6.95444	6.43871	6.9079	6.71983	6.56446	6.41627	6.28503	6.61659	7.90327	6.44429	7.54594	6.06651	6.35285	7.48502
C9orf41	5.06097	5.45029	5.39798	5.66899	5.83371	5.67998	5.64719	5.53215	5.82	5.50296	4.83726	5.23232	5.68906	5.11788	5.55428	5.28554
C9orf43	5.77804	6.02361	2.66774	2.184	2.97095	5.24358	2.90726	3.66599	3.09248	3.29126	3.65785	2.97562	4.16937	5.02586	2.49591	4.96263
C9orf47	2.90406	4.82805	2.26497	2.78886	3.40671	3.2995	3.60577	4.12809	3.88616	4.1487	3.12984	2.87454	4.99197	3.47335	2.88297	4.15034
C9orf50	5.16345	3.74825	4.92602	6.07026	3.75099	3.90614	3.83857	4.40791	5.67314	3.58913	3.09709	3.83791	3.12086	4.08394	3.42703	4.10052
C9orf53	6.23393	3.80592	5.47111	4.54858	5.36162	4.33729	5.61771	5.82855	3.87677	4.26756	3.88263	5.18234	6.07029	5.80706	5.79671	5.5865
C9orf57	4.27584	4.45111	4.73799	3.55701	3.95816	4.17971	3.45602	2.67421	4.87944	3.39891	1.85273	4.61987	5.17844	4.08394	4.38741	4.30438
C9orf62	6.5515	5.83371	6.60946	6.78183	6.47219	6.4042	6.42265	7.14114	6.28391	7.01562	6.47194	7.48326	3.58948	7.02942	6.53405	6.45446
C9orf64	8.61815	8.02537	7.99841	7.31725	7.75576	8.57946	8.45141	8.44211	6.89412	7.75483	8.10571	8.08518	7.53886	6.91061	7.87706	8.90826
C9orf66	3.27538	3.33802	3.13704	4.24944	3.80054	2.79145	2.68987	3.64596	2.82104	3.40556	3.42369	4.38674	3.13406	2.43188	3.9761	3.9093
C9orf69	6.68437	6.9667	6.81231	6.94016	7.27909	6.71039	6.55038	7.18064	7.17552	6.09071	7.85599	7.66558	6.75189	7.47821	6.33877	7.18675
C9orf72	7.28084	6.72205	5.06452	7.38822	7.32518	6.23233	5.96074	6.12177	5.64993	4.99336	7.1111	5.39225	6.43229	6.0071	5.88699	6.85927
C9orf78	8.3527	8.68396	8.49182	8.82891	8.94258	9.12408	9.13069	8.54327	8.48102	8.29809	8.82517	8.27504	8.06065	8.81366	9.28935	9.4722
C9orf84	3.21843	5.22972	4.08055	2.69081	4.13803	3.92314	3.46371	3.71129	4.70767	2.65325	3.55509	3.49924	3.09671	3.91868	5.10776	3.46662
C9orf85	6.27523	6.71374	6.44212	6.78137	6.58582	6.90974	6.60577	6.65003	6.41859	5.88266	6.47731	6.41831	6.6161	6.3978	6.51291	7.13836
C9orf89	4.47807	4.71261	4.34935	4.32719	4.84399	4.95791	4.83247	4.89066	4.91176	4.33222	4.90633	4.69635	4.68387	4.48842	4.54858	4.70184
C9orf9	6.50907	5.51756	6.25329	6.70492	4.86772	5.94565	5.52199	5.68975	6.20565	6.93502	5.92215	5.91547	5.71771	6.633	5.28981	5.91335
C9orf91	7.57865	7.54261	7.78534	7.67387	7.99636	7.58264	7.3959	7.8802	7.8664	7.88258	7.79248	7.5404	7.93861	7.71422	8.02346	7.6532

CA1	6.3843	6.63002	6.67173	6.87387	6.39825	6.45207	6.70289	6.73214	6.36922	6.82623	6.48805	6.68585	6.60518	6.83902	6.56098	6.92754
CA10	5.12455	4.75238	5.71911	5.11924	5.55564	5.36018	5.90297	6.15426	5.52597	5.95553	5.47786	5.2505	5.46303	5.70136	5.24995	5.85017
CA11	6.43709	5.99556	6.44688	5.77843	5.35492	6.23587	5.53505	5.38853	5.52833	6.07564	6.60043	6.48947	5.55954	7.03744	6.07822	5.84122
CA12	5.80184	5.87508	6.6695	6.42092	5.44143	5.61554	5.54973	5.34415	5.45206	8.09518	7.16464	5.43688	5.2002	5.29334	4.88015	5.9832
CA14	3.93705	4.07403	3.14177	3.99755	5.64455	4.3562	4.52964	4.50182	4.50459	3.26858	4.44812	5.89399	5.70272	6.231	6.18661	5.48692
CA2	3.89772	5.87662	7.07983	3.35104	4.62281	3.6256	6.23636	4.9083	5.94746	9.4367	8.7811	4.61987	6.17299	4.89098	6.06196	5.05688
CA3	1.70087	3.34445	2.21086	1.3754	2.76484	3.97251	1.95222	1.04435	2.76258	4.62434	1.44615	1.80953	1.11444	1.27177	1.08679	1.80953
CA4	4.97056	5.31438	5.35492	4.83247	4.99833	5.16531	5.1713	5.1147	4.84269	5.3317	5.17386	5.09122	4.7443	5.02851	5.08048	5.13064
CA5A	3.74737	3.72982	3.89706	2.85497	3.29261	2.76484	3.18384	3.79039	3.79382	2.50603	3.95578	3.82629	2.81611	3.98175	5.2002	2.94176
CA5B	4.07647	4.18179	4.1861	4.81338	3.71375	4.22313	3.97999	4.55606	3.16009	4.73152	3.41062	4.54652	4.26048	3.50882	3.85318	3.56647
CA5BP1	3.94359	3.66785	4.44493	4.95161	4.70546	5.0217	4.69923	4.34105	5.34463	4.63626	4.36849	4.46802	4.71235	4.96316	4.89098	4.62733
CA6	3.29007	4.53938	3.52053	3.99432	4.36795	2.19937	4.19473	4.60009	4.37824	6.2422	3.56473	4.16372	3.26122	3.63599	3.17904	4.32957
CA7	4.49797	4.1094	3.58903	3.8167	3.50802	4.53909	4.06264	3.69279	4.07916	4.5207	4.2954	3.79097	4.80971	3.24563	3.89749	4.33222
CA8	3.71345	4.19646	3.83749	4.23539	2.7797	2.88857	3.30338	2.71531	3.49203	4.40301	2.86088	3.14725	3.51167	3.55491	3.5256	2.47333
CA9	5.84166	5.51937	5.55482	6.21818	6.16481	5.97782	6.01875	6.88989	7.05982	5.55308	6.94704	7.10034	8.013	5.4694	5.56103	6.39033
CAAP1	7.86511	7.99918	7.93138	7.93896	8.62877	7.68995	7.7665	7.72291	7.25982	8.11142	8.11669	6.95361	8.0064	8.01856	7.96835	9.14235
CAB39	7.37763	6.40548	7.59643	7.14133	7.71648	6.9358	7.09167	7.61117	7.65794	7.5342	7.97957	7.26714	7.82021	6.5885	7.97727	7.46963
CAB39L	6.51112	6.98119	6.23796	6.31578	6.12115	5.72846	6.13739	5.9832	5.89189	6.71607	6.14149	5.74889	6.16466	6.21741	6.32223	6.36841
CABIN1	6.42834	5.87747	5.4746	6.24994	6.62295	7.12996	6.55469	5.04828	6.84053	6.29754	6.17961	6.01546	6.78095	6.93357	5.56253	6.51508
CABLES	5.61784	5.74943	5.32537	5.64816	5.56612	6.11077	5.5775	5.84764	5.5189	5.79966	5.04714	5.62092	5.992	5.80344	5.34266	6.54223
CABLES	6.2478	6.87617	6.8537	6.72676	7.05301	7.67064	7.64614	7.38458	7.48137	6.61785	6.91931	7.29787	7.20458	6.95167	7.5431	7.08736
CABP1	3.22893	3.23455	3.12572	2.75404	3.97153	3.18069	2.95335	2.79701	3.3566	2.49138	3.07535	3.1074	3.332	3.00637	3.20944	3.52708
CABP2	6.52323	6.34863	7.01023	6.98769	6.28785	6.4479	5.78123	5.63251	5.8292	6.3829	5.98625	6.3948	5.47507	6.58294	5.74427	5.75568
CABP4	5.4541	6.4921	6.0536	6.30722	5.8182	5.67529	5.71685	6.2013	5.94675	6.19518	6.1524	6.7969	6.84053	6.34004	5.95553	6.40488
CABP5	5.13232	4.11531	4.40279	3.94629	4.03498	4.30957	4.05033	4.51886	4.46917	6.21063	5.42673	4.48087	4.369	4.24417	4.20556	4.2888
CABP7	2.39175	3.43394	2.28447	1.87477	3.04679	2.87068	3.5644	3.57654	2.10562	1.94138	2.34323	2.30816	3.20427	3.81454	1.4697	3.1416
CABS1	1.11909	4.87197	4.30526	2.25844	4.47624	5.11891	3.86818	4.1207	3.33041	4.64479	1.91586	1.69916	2.98256	4.47605	2.76084	2.59102
CABYR	6.36922	5.93055	5.99003	6.51269	6.97076	6.4778	7.00261	6.95847	6.15065	6.14693	6.00649	5.97448	6.99294	6.93134	6.45355	6.50736
CACFD1	9.09062	8.38151	8.23628	8.24731	7.50291	8.21223	7.96758	7.82536	8.08385	8.97832	7.82145	8.48329	8.20591	7.70099	8.12106	7.70859
CACHD1	5.77244	5.08801	5.54898	5.59123	6.68938	5.56396	5.88657	4.91008	5.80882	5.79101	5.09145	5.10392	5.69909	5.30672	6.12544	5.23321
CACNA1	4.33068	4.17474	3.76182	3.29336	4.3896	3.91364	4.51805	4.5554	4.5681	2.84147	4.14056	3.27314	4.99264	5.03836	4.38594	4.87023
CACNA1	4.08778	5.17033	5.03113	5.50341	4.7932	5.21762	5.21505	4.82805	4.45842	4.35384	4.32665	5.27276	5.30623	4.75746	4.52451	4.41344
CACNA1	5.83707	5.32537	5.01785	5.11194	5.2818	5.4439	5.17854	4.64638	5.38153	5.57026	4.86961	5.10888	4.86961	5.44505	5.57261	5.17376
CACNA1	3.9152	4.14289	3.8116	4.21647	4.04734	4.20048	3.97756	4.39265	4.50253	3.90646	3.67897	4.60548	4.56898	4.18559	4.17633	3.9277
CACNA1	3.73406	3.72982	3.6244	3.6357	3.65448	3.81413	3.65785	4.1399	3.57258	2.85867	4.0196	2.84585	4.0405	4.16905	3.72694	3.94585

CACNA1	4.8832	5.24722	5.72846	4.9847	4.15938	5.11655	5.10065	5.01477	3.96745	5.40039	5.02328	4.29253	4.1368	4.43455	4.51562	4.98157
CACNA1	5.70671	5.69663	5.71788	4.63389	4.04328	5.41283	4.67727	6.05079	3.71298	5.12708	6.06314	5.88851	5.3421	5.7004	5.59831	5.35219
CACNA1	2.6169	3.46739	3.39754	2.32155	2.74868	3.86205	3.07245	3.5945	3.18391	4.45311	3.60416	3.67571	3.09819	3.4402	3.62805	3.92173
CACNA1	5.72608	5.11194	5.60928	5.03413	5.30569	5.03866	5.61894	5.18553	5.54441	5.01818	4.43077	5.2949	5.18956	5.54686	5.26386	5.05005
CACNA1	6.82737	6.41627	6.54494	3.89582	6.48139	5.96127	6.71311	5.04171	2.81157	5.95178	5.12109	6.95188	7.08016	6.24025	6.02255	6.76838
CACNA2	4.71408	4.75459	5.51334	4.95856	7.61729	5.65765	6.77061	4.57737	5.58141	5.31034	5.63112	5.61435	3.45646	7.78315	7.39988	5.13011
CACNA2	7.04119	6.49618	6.96123	6.8608	6.34852	6.50914	6.18979	7.03627	6.45678	6.99057	5.89728	6.40411	5.39824	4.65943	6.41838	6.28554
CACNA2	4.12999	4.53865	4.44205	6.29102	6.39579	6.03673	1.98828	3.13235	2.47145	3.05259	2.86424	3.7042	2.68899	1.4403	7.49517	3.34078
CACNA2	6.14843	6.90032	5.68466	6.64067	6.39176	5.29702	4.90106	6.28211	6.25615	5.64109	5.59535	6.38034	5.56798	6.16438	5.84244	5.42963
CACNB1	5.10888	5.80613	5.79101	5.03513	5.01929	5.71731	5.23713	6.25872	5.49443	6.61987	5.27088	5.60742	5.29579	5.0536	5.01414	5.89338
CACNB2	4.43669	3.29168	4.12179	3.83233	3.62162	4.02452	4.19503	3.93072	3.59882	4.12809	3.85851	3.25646	3.05981	3.73945	3.67852	4.03368
CACNB3	7.92068	6.71871	6.72716	6.84483	6.4679	7.75805	8.05054	6.41991	6.80087	7.13366	6.24442	6.57067	7.12462	7.43046	6.86669	7.27645
CACNB4	4.56615	6.18875	5.99489	5.10138	6.10828	5.81036	5.44301	5.82	5.15094	6.21417	5.06359	5.40153	5.84854	6.23645	5.1312	6.10303
CACNG1	6.16548	5.90903	6.55564	6.20531	6.34562	6.06363	6.46086	6.70987	6.14545	5.52355	5.85664	6.76788	5.96219	6.12575	5.42686	6.8336
CACNG2	4.79885	4.2476	3.83857	4.95126	3.76651	4.61181	4.62298	5.50806	4.21204	4.12592	4.36607	4.53252	3.81401	3.40952	3.8778	4.11551
CACNG3	4.79439	3.07762	3.59844	4.2727	2.76484	4.48862	3.52327	4.28482	3.31034	3.46275	2.93839	3.15604	3.25147	3.10839	2.84494	3.48415
CACNG4	4.40557	4.24885	4.97295	4.30438	5.14562	4.42331	4.39545	4.28111	3.90594	4.44454	4.21305	3.98857	4.95325	4.58384	4.21006	5.07775
CACNG5	5.95527	5.41393	5.98786	5.71771	5.25218	6.24025	6.29048	6.17076	5.24052	5.97916	5.23232	6.15085	6.25347	5.60724	6.6798	6.9368
CACNG6	6.44212	5.61798	6.24308	7.12136	5.66789	5.91806	6.50885	5.79697	6.41661	5.65506	6.33199	6.07712	6.15699	6.11559	5.90883	6.27174
CACNG7	6.74745	7.0693	6.92489	6.59688	6.61977	6.49484	6.74335	6.54687	6.58754	6.27228	6.5815	6.63771	6.83665	6.65845	6.13746	7.03627
CACNG8	5.49284	5.43842	5.35699	5.80159	5.94111	5.91335	4.90838	5.62881	5.68335	5.34141	5.78941	5.88405	6.17043	5.8734	6.19167	5.80674
CACTIN	4.42874	4.874	4.79935	4.40984	4.66635	4.24124	4.62482	4.4943	5.02637	4.35243	4.15496	4.73341	4.45763	5.39781	4.87172	4.5915
CACUL1	5.2376	5.55676	5.3654	4.80979	5.28081	5.11285	4.76031	5.35546	5.48005	5.17737	4.76067	5.02373	5.4942	5.19085	5.06585	5.12539
CACYBP	7.7985	8.39657	8.68521	8.79141	9.05155	8.19737	9.19001	9.30365	8.73603	8.27148	8.70926	8.81055	8.94055	8.62832	8.77677	8.92195
CAD	4.91834	5.82384	4.70851	3.95816	6.49499	5.35106	6.94396	5.90377	5.339	5.90047	5.49487	6.48805	6.6608	6.54916	6.4795	6.26477
CADM1	5.8829	5.86266	5.8694	6.00101	5.95617	6.28743	6.42817	5.93008	5.87687	5.97023	6.06428	5.08656	5.37736	5.80477	5.77746	5.69186
CADM2	3.9653	3.14677	3.77469	2.9127	3.02185	2.77311	3.98362	4.01812	4.30655	3.94138	3.64695	3.60881	3.69259	3.45399	3.44049	2.87745
CADM2-.	2.04089	2.01809	1.85463	1.89139	1.97947	2.48692	2.63794	2.67421	2.18568	2.31329	2.10233	0.90097	1.41985	2.68036	1.6611	2.10224
CADM3	6.19135	5.79553	6.12774	6.24442	5.62336	6.04684	6.36004	5.87972	6.2395	6.22582	5.66145	6.4551	6.77539	6.36589	6.14705	5.99579
CADM3-.	2.27273	2.18884	2.40841	2.1445	2.02496	2.21366	2.27576	2.17246	2.28837	2.38782	2.04035	2.44179	2.54194	2.70047	2.00801	2.61375
CADM4	4.65356	5.25261	5.0217	5.24432	4.12203	5.50657	5.32867	4.52911	4.21327	5.83559	4.60388	5.02351	4.69574	5.04268	4.51193	4.58644
CADPS	3.40023	3.47743	3.01775	4.26259	4.9646	2.71299	4.33695	3.57514	2.63321	4.21622	2.75974	3.56769	3.44049	3.75335	3.50687	4.14967
CADPS2	9.4479	9.43871	9.19751	9.11102	7.86423	9.07558	9.56807	9.63071	8.75665	10.5313	7.68418	8.38858	8.45696	9.25316	9.54173	10.8431
CAGE1	2.65839	3.9717	5.29579	0.64437	3.0533	4.64364	3.00912	4.37563	2.79078	2.31329	2.58746	3.21231	4.48458	5.22492	3.71004	4.9875
CAHM	7.10194	7.49252	7.25934	7.34628	7.20184	7.14627	7.31004	7.75853	7.29455	7.6035	6.88265	6.24081	7.30255	7.37148	6.85473	7.02103

CALB1	3.98985	5.07033	3.97409	5.66911	5.69269	7.59076	9.03131	4.96673	4.72336	4.54858	4.7519	2.68987	3.79521	4.57882	4.39023	4.05558
CALB2	7.57366	7.61729	7.63182	7.0099	7.33012	7.65234	7.53139	8.18597	7.40489	7.61312	7.55319	7.78067	7.84504	7.64749	7.52841	7.82975
CALCA	4.68029	4.6025	4.53186	4.85572	4.26239	4.64244	4.05898	4.86562	4.88962	4.38512	4.86411	4.38559	4.81378	4.7732	4.47514	4.53994
CALCB	3.71123	3.64032	3.43133	3.10053	2.65839	2.76484	3.68625	3.49069	4.26581	4.98208	6.26973	2.59016	3.25147	2.86263	2.49591	3.78507
CALCOC	7.30458	7.45295	7.48357	7.13919	7.3188	7.48929	7.48055	7.19321	7.72665	7.54261	7.05384	7.74251	7.16929	7.68457	7.77962	7.00647
CALCOC	6.44275	6.95215	6.71173	6.78968	7.03517	6.95677	7.31725	7.11782	7.73791	7.45894	7.21213	7.36089	6.78466	7.21091	6.81286	5.94021
CALCR	4.76618	5.18926	4.87602	4.63552	5.32566	4.90758	4.61339	5.26764	4.92049	5.92675	5.7411	6.02788	4.71759	6.16713	5.60091	5.809
CALCRL	4.21802	4.33027	5.40153	5.15577	5.21413	4.81528	4.33416	4.61798	3.14542	5.00573	4.86873	3.89212	4.98499	4.31371	4.56297	3.59361
CALD1	5.34415	5.57221	5.90848	5.16049	5.78092	5.62474	6.1892	5.72016	5.25642	6.29639	5.81758	5.60047	5.46277	5.9857	5.6896	5.55944
CALHM1	6.41477	7.06332	5.90303	6.04567	6.36951	6.0894	6.46086	6.82917	5.26828	6.55405	6.39024	5.77997	5.70272	6.74871	6.32256	7.06621
CALHM2	6.23462	7.28407	7.82536	7.47821	6.9197	7.65029	6.31723	7.32427	7.4066	6.70844	7.20429	7.34189	7.16903	7.10298	7.10505	7.18152
CALHM3	2.79297	3.64857	3.48538	3.41062	2.44843	3.91828	3.87897	3.79039	4.62638	3.55696	4.55066	3.49365	3.77256	2.97219	3.4886	3.84496
CALM1	6.81615	4.51771	4.67509	7.58483	4.43422	6.99217	4.67727	5.20188	4.69241	4.98208	5.65526	6.46341	4.67307	6.77427	5.07609	5.14155
CALML3	6.10048	6.11433	5.84569	6.63771	6.24025	6.00809	6.65352	6.54955	7.22925	6.03942	5.88955	6.57811	5.87508	7.64121	6.46694	6.09815
CALML4	6.68752	6.22295	5.60498	6.56788	5.62286	5.08194	5.82677	5.45997	5.35512	5.13458	5.1601	4.84626	5.53494	4.99189	5.23232	6.17762
CALML5	5.62708	7.71404	5.68631	5.22073	4.66694	5.84889	6.66985	5.86803	5.57542	5.51925	7.96702	6.36444	5.38375	6.88173	5.76368	6.30843
CALML6	4.35866	5.25716	5.95819	2.73925	5.3794	5.12651	5.39211	5.65668	5.3574	3.58913	4.36479	4.76177	5.93008	5.15309	5.8373	3.61186
CALN1	4.03261	3.96263	4.40714	4.62927	4.46366	5.94974	7.19373	4.2696	4.49934	4.6779	4.06695	5.53595	5.31252	5.05653	6.61328	3.78955
CALR	6.57453	6.52602	6.79393	7.21675	6.74684	6.74984	6.73608	7.7017	6.65787	7.44322	6.94648	7.64286	5.92597	7.82408	6.50922	6.73292
CALR3	3.23662	3.11174	3.23213	3.71004	2.87786	3.03288	3.08298	3.74908	2.95663	3.26858	2.58746	3.03309	3.32016	3.29459	2.76084	3.07505
CALU	5.4639	5.29544	6.71896	5.35608	6.35462	5.1084	5.85558	6.46116	6.07517	6.75635	6.65491	5.07693	5.55865	5.68176	6.82609	5.9082
CALY	5.09791	4.534	5.46582	4.56912	4.94013	4.69801	3.03237	4.89413	4.33436	4.19403	4.15843	4.77927	4.35356	4.03667	4.00119	4.89742
CAMK1	3.56191	2.91316	3.54384	3.39777	4.00401	5.72006	3.68625	3.39861	5.86424	3.44491	5.81261	5.12344	3.53101	3.79618	5.90834	3.71736
CAMK1D	4.33027	4.54689	4.46324	4.57336	4.25904	4.37481	3.7958	4.02241	4.33695	2.52969	5.04313	4.52222	4.59823	4.97201	4.39818	3.8649
CAMK1G	3.67466	4.56713	4.06652	4.51021	4.48551	4.17584	4.35543	5.02205	4.40839	3.96405	4.39545	4.814	4.80084	4.00732	4.54782	4.67236
CAMK2A	3.6498	4.13181	3.24563	4.42419	3.59691	3.21286	3.99029	3.02293	3.35726	3.53272	3.51777	3.36917	3.77762	3.20152	3.75383	4.52167
CAMK2B	5.11271	4.94373	4.73297	4.65553	4.31674	4.76519	4.54176	5.27864	4.60058	4.49959	4.61987	4.9646	5.37027	4.28084	4.63225	4.51459
CAMK2D	5.86223	6.22079	6.3797	6.30311	6.20878	6.2399	5.68517	5.06834	6.11511	5.73265	6.28827	6.20644	5.88708	5.53181	5.68071	5.84269
CAMK2G	4.97201	5.13747	5.04602	4.85212	5.75768	5.55384	4.89182	5.2949	4.81141	5.13936	4.9341	5.34906	5.56504	5.62022	5.70543	5.03555
CAMK2N	4.54325	4.60121	4.86031	4.61302	4.61514	5.03887	5.52175	5.42372	5.01689	4.59074	4.93559	5.11687	5.17275	4.93889	4.52167	4.93512
CAMK2N	3.93705	4.48842	4.49847	4.08141	4.39335	4.75476	5.39029	5.1722	6.13804	3.60094	5.8529	5.50191	5.02024	4.55035	5.10428	5.09486
CAMK4	5.17051	5.19303	5.89251	5.47786	5.79149	5.32208	5.7079	5.22261	6.56684	3.9012	5.30906	5.9817	5.68843	5.03273	6.1846	5.65728
CAMKK1	5.31529	4.78274	5.39252	5.15216	5.53244	5.33989	5.56822	5.52747	5.12131	4.36722	4.39023	3.69027	4.94373	6.076	5.47008	5.90795
CAMKK2	5.53655	6.80682	6.49455	6.4954	6.09501	5.88955	6.56272	6.50148	6.35565	6.34544	6.77516	6.89041	6.60657	7.00926	6.34219	6.3979
CAMKM	4.64607	5.34359	4.09259	4.95002	6.27896	5.23003	4.12179	5.77268	5.73685	6.13689	5.8178	5.91563	6.12523	4.94929	4.88397	5.33606

CAMKV	6.33967	5.09806	5.73862	5.78123	5.18115	4.96429	6.1336	6.62287	6.2722	6.02598	6.34737	5.81694	6.58855	6.17468	6.53993	5.8013
CAMLG	8.83478	8.97654	8.95401	9.11939	8.40309	7.8862	8.63335	7.85403	8.54652	8.92195	8.22263	8.901	8.63969	8.34589	7.91809	8.27535
CAMP	3.02599	2.95972	3.11137	2.81334	2.94105	2.97137	2.70047	3.15288	3.17124	4.3268	2.91487	2.95936	3.99596	3.12884	2.72952	2.71584
CAMSAF	5.87645	5.36285	5.64719	5.89327	5.89817	6.09755	5.55777	5.63541	5.15577	5.17875	5.35947	5.45508	5.82134	5.75929	5.82161	6.13469
CAMSAF	6.545	5.7957	6.69731	5.66376	7.42558	7.11194	6.75544	5.68176	7.14791	7.33495	6.71442	6.29754	7.42907	6.69265	7.03191	7.3425
CAMSAF	6.03682	6.37898	6.15584	6.36968	6.49308	6.65718	6.27134	5.46484	5.11553	6.85261	5.68058	5.19773	5.58393	7.28288	6.20735	6.73482
CAMTA1	6.6676	7.27759	7.24292	7.25999	7.13623	6.8481	7.80021	7.2235	6.74845	7.54686	7.06373	7.32785	7.8097	7.53191	7.99984	6.87888
CAMTA2	7.2013	6.86445	7.33899	7.35989	6.65623	7.39425	7.25184	7.62696	7.38798	6.63813	6.79062	7.59573	7.18517	6.93247	6.98426	6.92812
CAND1	6.38477	5.56719	6.58498	6.01778	6.56032	6.36706	6.57417	6.4495	6.29734	6.0554	6.48183	6.18822	6.76694	7.22425	7.05524	6.28624
CAND1.1	3.20944	2.13825	2.75954	3.1994	3.38334	2.81599	4.05033	2.43067	3.58282	3.37812	2.80891	3.61408	4.23895	3.64454	3.08134	3.40822
CAND2	5.98436	5.21683	4.94929	6.65436	4.65845	6.56446	6.00128	5.3793	4.89303	5.97036	6.07023	5.65821	5.50757	4.8213	5.28291	4.83726
CANT1	6.23037	6.11232	6.38477	5.41113	6.5162	7.10387	7.50471	6.46324	6.39707	7.54165	6.99511	6.67527	6.68722	6.6643	6.05326	6.34934
CANX	8.06678	7.17836	8.50078	8.05538	7.80556	8.18506	8.26067	8.20121	8.39387	8.47386	8.3527	8.12233	7.32518	8.27589	8.11142	7.86466
CAP1	10.1952	10.9118	10.7308	10.3741	10.7421	10.2856	10.0604	10.7755	10.8872	10.1423	10.8255	10.0079	9.90936	9.72915	10.4243	10.0193
CAP2	6.79073	5.83966	5.5734	5.81608	3.63842	5.84112	3.94655	4.21488	5.83635	6.17866	5.59616	5.5751	4.05376	4.74067	5.93612	4.55504
CAPG	7.21296	8.44913	7.82939	7.83154	7.56501	7.68215	7.5216	6.98472	8.67223	7.72199	8.47096	8.28309	8.26432	8.91934	7.28003	7.91273
CAPN1	6.63063	7.09873	6.91292	6.6076	6.29342	7.32104	7.5063	6.3768	6.49354	6.9158	6.28982	6.81608	5.85707	7.49498	6.46905	6.35309
CAPN10	4.91361	4.36649	3.62063	4.34316	3.76529	4.64564	4.92049	3.0951	5.26588	4.13561	5.10366	5.22818	4.55308	5.08387	5.66806	5.55505
CAPN10-	6.99869	7.03779	7.03928	6.92393	6.49966	7.20233	6.66656	6.75832	6.22177	7.12819	6.20181	6.7557	7.10149	6.81379	7.05818	7.4801
CAPN11	5.33339	3.01952	2.72411	2.85497	2.83544	2.39513	2.61298	2.46648	3.09248	4.39917	4.74589	2.63249	4.22425	2.82083	2.67357	4.28288
CAPN12	4.54741	6.71607	4.44205	7.10829	5.45343	5.64899	5.72213	8.11962	6.42327	6.21063	6.67922	6.26067	6.07671	5.98179	5.31453	6.70315
CAPN13	6.54082	6.49455	5.9271	5.69269	2.92993	5.52965	6.13753	3.00359	6.15875	3.88735	5.71586	4.83036	3.76474	4.46646	3.65559	3.52782
CAPN14	5.83426	5.16804	5.77447	6.29102	5.51597	5.52508	7.1267	6.50736	5.27854	5.07547	7.92449	5.97829	6.51824	5.88181	6.05758	6.96509
CAPN15	5.78799	6.57211	5.95105	6.25955	6.54319	6.87053	5.77513	5.53879	5.48981	5.08232	5.43449	6.96616	5.41696	5.72153	6.08864	4.88484
CAPN2	7.82869	7.51651	7.92801	7.11639	7.5405	7.89038	7.0461	8.37262	7.97893	8.22174	7.79591	7.69546	8.19792	7.27377	8.50644	7.69369
CAPN3	6.1024	4.80009	5.80945	4.92635	4.88092	5.06762	4.39682	5.37412	5.13694	5.95281	5.26386	4.60009	5.34717	4.3009	4.84284	5.92
CAPN5	6.53713	5.33725	4.83675	5.64281	4.50609	5.2376	4.59004	2.72106	4.64174	3.92468	5.4746	5.09145	3.13301	2.39502	4.0279	4.1094
CAPN6	3.77177	2.78532	3.51167	2.34856	4.19358	5.49882	3.22893	4.3009	4.37334	5.91457	3.54065	3.72386	1.95254	2.29205	2.98013	3.56581
CAPN7	6.88438	6.51684	7.23209	6.82106	7.04642	6.64604	5.91721	4.89043	5.27193	7.15926	6.60175	6.05574	5.34487	6.40584	7.05207	6.59548
CAPN8	8.61181	7.34167	7.1142	6.82216	6.21435	4.73879	5.63452	6.14982	5.88266	8.73982	5.90945	5.58627	6.72676	5.93907	5.8292	6.5267
CAPN9	6.60124	6.31766	6.14938	6.26766	5.90151	5.55993	5.50787	4.96515	6.06161	7.06124	5.03176	5.98051	5.87483	5.77011	5.80567	5.99754
CAPNS1	9.4722	9.67664	8.84184	9.25598	9.22523	9.53523	8.02161	8.82383	9.18179	9.78521	9.52199	9.57938	9.06301	9.54173	9.04668	8.34053
CAPNS2	7.73627	7.68824	4.99891	7.90469	7.32427	9.36648	8.99832	4.03916	8.28751	4.0807	7.71915	7.05622	6.60293	7.58885	9.08789	5.13703
CAPRIN1	6.79158	6.80155	6.53697	6.56324	7.44432	7.76072	7.11008	6.70933	7.08341	6.8179	6.87129	6.7287	7.08446	7.13275	7.07175	6.9609
CAPRIN2	5.28498	5.20492	5.35185	4.69294	5.97527	5.3965	4.72867	5.07153	5.16648	5.46303	5.67672	5.563	4.91805	5.62753	5.12733	5.67141

CAPS	9.98406	8.37315	5.74994	9.42873	4.75041	5.56354	4.60918	5.13292	6.8133	6.31646	4.04855	7.17445	3.981	5.42657	4.52039	4.07298
CAPS2	6.19975	3.56378	3.60323	5.4816	2.04467	2.47032	4.44131	2.01809	4.94079	4.18699	2.57571	2.05834	1.50317	3.39175	3.42322	1.83717
CAPSL	11.5751	9.90043	5.83049	10.8808	6.51258	7.77732	3.49217	6.6117	7.70698	3.18735	3.36559	7.60944	2.75699	5.97437	5.83438	4.35197
CAPZA1	7.14896	7.12487	7.02091	7.10564	7.39378	7.03719	7.46068	8.74907	8.41852	6.4299	8.04043	6.24136	7.22985	6.69435	7.15323	7.71993
CAPZA2	6.60467	7.24756	6.76392	6.56229	7.00261	7.17376	6.72015	5.86096	5.93081	6.89966	7.40489	6.35565	7.42635	6.0422	7.28407	6.8987
CAPZA3	2.55807	2.23621	3.26549	2.31308	2.10233	1.59197	3.08298	1.67907	4.06977	2.63576	1.74872	2.6814	3.03764	2.79431	2.97605	2.04035
CAPZB	7.03173	7.30789	7.29639	7.88003	7.36492	7.04754	7.09966	7.7715	7.50417	7.08147	7.45894	7.66915	7.46257	7.42256	7.97022	7.27478
CARD10	5.36656	5.41161	5.83395	5.13936	5.2467	5.53424	5.82933	5.06815	5.22468	5.93344	5.91616	5.71685	5.5763	5.02274	5.11194	5.32594
CARD11	6.72689	7.1569	6.81451	7.16903	6.53395	6.63553	6.20976	6.17248	7.1664	6.16413	6.30689	7.04806	5.86166	5.81725	5.40291	5.0271
CARD14	4.08687	5.00397	4.32095	4.41868	3.91094	4.47847	4.34574	4.4044	4.59491	4.59755	4.66095	4.42688	4.39048	4.44608	4.44253	4.9654
CARD16	6.70956	7.13935	7.57786	8.00403	7.17415	6.59148	6.52979	8.28887	8.26134	6.63615	7.58542	7.38598	7.78404	6.69321	7.03614	7.15739
CARD18	4.25809	3.40176	3.31271	3.60342	3.52527	4.86073	3.84674	5.42199	3.94629	3.21812	5.56396	3.46371	5.53039	5.39029	6.05243	5.69601
CARD6	8.68454	8.43956	8.69613	7.90263	7.88801	8.46025	7.13535	8.75014	8.9396	8.92094	8.81664	7.86294	7.74219	6.88749	8.17477	7.54516
CARD8	6.79861	7.15566	7.42056	6.89627	7.46963	7.52046	6.77245	7.38189	6.70344	6.41007	6.74803	6.94396	6.73987	6.20565	6.93064	6.83226
CARF	4.3635	4.22194	3.24799	4.26706	3.9712	4.7147	4.50197	4.11808	3.72359	3.8649	4.11908	4.84059	4.6954	4.00753	3.30187	3.56885
CARHSP	6.43896	6.21818	6.52278	6.17633	6.01704	5.74889	5.95026	6.00566	6.06936	6.32627	6.29363	6.72743	6.04631	6.2907	6.27672	6.3538
CARKD	9.34754	9.14959	9.11675	9.0861	9.30365	9.4267	9.03434	9.08964	9.71324	9.7947	9.16853	9.34754	9.09062	9.26491	9.10446	8.93763
CARM1	5.82837	5.19457	3.90511	5.23955	5.45343	6.9262	6.1336	5.30926	6.52817	5.5278	6.73765	6.87848	6.132	5.38794	5.5579	6.30203
CARNS1	5.90876	6.47564	6.21121	7.05429	5.92045	6.36476	5.54023	7.01614	6.2296	5.19273	5.96155	6.57303	6.10247	6.04132	6.71275	6.15096
CARS	6.55085	6.74529	6.60677	6.94963	6.69167	6.64834	7.54087	6.78435	7.13557	6.47933	6.4489	6.85438	6.56002	6.82876	7.07914	6.57832
CARS-AS	4.75761	4.0953	2.59102	1.85049	2.39414	3.91828	2.9333	3.56906	2.5663	2.57765	3.32655	3.12959	2.94778	2.93125	2.72952	2.81134
CARS2	4.77693	5.16028	5.25825	5.03019	4.14568	4.81772	5.11832	4.51222	4.54756	4.70017	4.9443	5.29518	4.76031	5.08801	4.7908	5.18876
CARTPT	5.54724	5.53282	4.79814	4.54239	5.39382	4.21021	4.98886	4.46162	4.5431	6.4165	4.14261	5.10078	4.36086	4.66808	4.08195	3.89582
CASC1	9.29761	7.16885	5.26993	8.31557	6.73338	4.86617	2.47678	4.47773	6.09438	4.86372	4.50609	5.73131	5.43241	5.05858	5.57669	2.38828
CASC10	5.30873	3.85595	4.49898	3.10976	5.0905	4.92134	4.14706	4.36086	4.87584	4.54546	4.61877	4.94776	3.27538	3.8042	4.88265	5.67978
CASC11	3.41112	5.75101	4.52824	6.2807	5.76268	5.98862	5.61771	4.54565	3.2065	3.2328	4.07634	6.39148	6.20535	5.05858	5.24005	5.448
CASC14	5.82023	5.41954	5.6255	3.6357	4.89365	4.85358	5.1034	4.13045	4.29487	5.92806	3.74792	5.25333	4.88674	3.46534	5.291	5.15376
CASC15	4.73171	5.09358	4.53029	5.28718	5.10864	5.70415	4.72807	5.54936	4.70017	4.88734	4.5554	5.53684	4.81223	4.93804	5.38331	5.2002
CASC16	6.14375	6.01017	5.74919	6.13206	5.97046	5.88329	6.19774	6.1892	5.98862	6.02979	5.95087	6.80461	6.11072	6.30722	5.8373	6.09972
CASC17	4.81177	6.19713	2.95766	6.07272	2.97095	4.26501	5.20294	4.5714	3.99376	4.18447	6.19879	4.27983	6.2802	3.60186	3.21508	6.26199
CASC18	5.08159	5.03176	5.8266	4.86331	5.35492	5.84566	5.76629	5.25678	5.27471	4.23056	3.95578	6.06808	2.90755	3.14828	3.87472	5.03019
CASC2	4.16568	2.85667	2.23945	3.56983	3.17782	2.80802	1.65655	3.1416	3.34015	2.45891	3.50071	2.47728	3.22692	2.49754	2.64349	3.27772
CASC22	6.14375	6.32617	5.82134	6.55019	5.81113	5.65192	5.44093	5.93603	5.29959	5.03724	5.74677	5.42908	6.0009	6.14193	4.99358	5.84122
CASC4	7.00902	6.77096	6.45116	6.91402	6.37758	6.31219	6.91856	6.8906	5.31618	6.21558	6.21942	5.94871	6.33157	6.18358	6.13689	6.09165
CASC5	4.3447	4.4239	4.98138	4.70674	4.73894	4.41381	4.64244	5.13649	4.4903	4.19874	5.45098	4.47874	4.89951	5.26108	5.05068	4.51992

CASC6	2.63482	2.36797	3.28947	1.50761	2.0729	2.78532	1.73976	1.22235	3.33041	3.15532	2.83774	2.10229	3.0877	5.06976	3.21508	2.04035
CASC7	5.79561	5.41954	5.53096	5.75101	5.21228	5.64632	6.02908	5.74912	5.06749	3.18735	5.20037	5.04878	5.71853	6.32734	5.51058	5.47426
CASD1	5.78724	5.31968	4.83353	5.42917	4.8258	4.79935	3.84407	4.01749	5.42199	5.5224	5.14307	4.73212	5.34266	5.01785	5.05959	5.7242
CASK	5.69841	5.37027	5.82082	5.67859	7.15413	7.0572	6.71732	5.05998	5.93413	5.78705	5.38475	5.49645	5.98083	7.14639	6.55717	5.66548
CASKIN1	4.11792	3.68721	3.98218	4.2497	3.74341	5.31079	4.74959	4.26138	4.56703	3.81454	4.43542	4.76471	4.89504	4.96357	4.49302	3.91768
CASKIN2	3.50721	3.47114	4.50487	3.52295	3.34265	4.33389	3.57717	3.58989	4.05033	4.0953	3.93711	3.94824	3.41135	3.89634	3.46064	3.48948
CASP1	7.29091	7.51679	8.38943	7.83726	8.2438	7.34167	5.98304	6.71017	7.51829	6.78945	8.45141	7.24167	7.86423	6.88661	7.17129	7.19719
CASP10	4.27723	4.78736	5.17275	4.30494	5.22028	4.83092	4.85485	5.37506	4.7155	5.12234	5.34934	4.56077	4.99883	5.0905	4.9277	4.93804
CASP12	3.33951	3.60842	3.391	3.02476	3.27783	4.34547	2.96225	3.41422	2.81157	3.79424	2.43603	2.84585	2.00801	3.99364	2.59102	2.57571
CASP14	2.50129	1.7774	2.72411	3.3738	1.11444	1.19537	0.93298	2.21132	1.98342	2.97414	2.75175	1.87757	1.97096	1.78331	3.21508	2.26153
CASP16	6.04156	6.16655	6.00638	5.76588	6.12195	6.52201	6.38093	6.48592	6.03446	6.33487	6.46615	6.1153	5.59184	6.47656	6.22482	6.15381
CASP2	4.54145	4.13219	4.67688	4.62974	4.78407	4.43688	4.83452	4.76901	4.78492	4.6666	5.2845	4.67653	5.18903	4.55308	4.94835	5.07507
CASP3	7.41697	8.22537	8.06286	7.59726	7.85248	7.09952	6.68737	7.6334	8.02057	6.90589	8.33034	7.66053	7.38443	7.49863	8.06777	7.53729
CASP4	6.98343	7.08717	7.25982	7.49393	7.16866	6.96375	6.27345	7.31148	7.45236	6.17878	7.84024	6.2427	7.23832	5.69888	6.77848	5.39096
CASP5	4.17798	6.15674	6.22844	6.16754	6.34485	5.33804	4.47022	4.58601	5.79752	6.01426	7.46424	5.66749	5.97056	4.11853	4.60609	5.8754
CASP6	7.21604	7.48264	7.01184	6.74984	7.26681	7.03578	7.35785	7.08612	6.91643	7.06551	6.9667	7.57023	7.52337	7.81302	7.62153	8.14844
CASP7	9.59607	9.52327	9.49038	9.1073	9.25237	8.78616	8.74637	9.72748	9.45518	8.99157	9.3733	8.81505	8.94751	9.29073	9.54485	9.91339
CASP8	5.38422	5.04924	5.80739	6.02299	5.56185	5.39398	6.11865	5.63698	5.54288	5.17955	5.84691	4.15054	5.84642	5.0723	5.99792	5.26541
CASP8AI	5.56963	5.29087	6.46154	5.3139	5.88618	5.93974	5.7106	4.91574	5.40124	5.36506	5.91547	4.8471	6.70376	6.19796	6.24479	5.64447
CASP9	6.6174	7.2883	6.31624	6.45718	6.86841	6.52299	6.75251	6.9723	6.32509	6.90514	7.10605	6.52193	6.83876	6.52919	6.9415	7.19775
CASQ1	5.67305	5.71111	5.17844	5.50571	5.1722	4.1494	5.07679	5.45391	6.03712	5.49383	3.70318	5.77997	5.83698	5.96143	5.3608	5.70455
CASQ2	2.83473	3.12278	3.02585	3.08274	2.73769	3.13279	3.6755	4.51886	3.04535	3.63896	3.26817	3.64264	3.73495	3.21424	3.38625	4.24336
CASR	3.61563	4.40301	3.8927	4.22464	4.72967	4.34259	3.94319	4.28727	4.45583	4.19812	3.28812	5.30361	4.6307	4.07228	4.03638	4.59056
CASS4	4.28892	4.98805	4.3635	3.67678	4.25437	4.40345	5.07385	4.78612	4.70745	4.18777	3.56647	4.08141	3.64955	4.41381	4.00507	3.93299
CAST	7.25701	7.09026	7.33495	7.32104	6.86503	7.00204	6.9595	6.75738	6.74418	7.12234	7.1553	6.67121	7.10758	7.16799	6.90769	7.05247
CASZ1	5.72084	4.58796	4.27343	4.55142	5.05059	4.87494	4.94752	4.46957	5.34613	4.86678	5.15007	4.79343	4.95791	4.86538	4.81915	5.06778
CAT	6.41451	6.23742	5.75171	5.38939	5.60707	5.58714	5.19927	4.48157	5.38902	5.07366	5.20307	6.05388	5.2994	6.94842	5.17777	5.1836
CATIP-A	6.50269	6.07849	5.86382	7.18281	6.86424	6.52577	6.53623	7.47978	6.75635	7.17844	6.96898	7.37305	6.61147	6.41023	7.2277	6.41639
CATR1	0.62135	2.81246	1.09002	1.93131	2.47594	2.18538	2.27576	2.49961	2.18568	0.93298	2.63321	2.6814	2.31554	1.78331	2.36623	2.28681
CATSPEI	3.5501	3.6843	3.55864	4.88519	3.66644	4.12592	3.3753	4.19473	2.83517	2.93344	4.64412	4.03129	5.07488	3.44975	4.48075	4.99562
CATSPEI	6.48815	4.93789	6.32843	5.89763	5.76268	6.05719	5.34129	6.64457	6.32843	6.5877	6.14693	6.44179	6.38629	6.16967	6.06428	5.62406
CATSPEI	4.56757	5.26807	4.97312	4.47624	4.79429	4.85602	5.31219	6.36476	5.31156	5.53716	4.90779	3.09267	3.79521	3.72239	5.10724	5.90706
CATSPEI	9.84759	7.58677	4.4962	9.13351	4.76067	5.1341	4.05033	2.75656	4.71298	2.98998	2.10233	5.60425	3.77256	5.07516	3.69726	2.92719
CATSPEI	4.16665	3.60275	3.35088	4.18642	3.75809	4.30752	4.49557	4.85406	3.98645	4.31674	3.61885	4.33979	3.43977	3.80706	4.16338	4.08195
CATX-1	2.10686	2.66714	3.52747	3.38007	2.43232	2.13594	2.21456	2.28509	3.77534	3.43791	2.50999	4.38727	3.16953	3.00618	2.77283	3.2224

CAV1	7.00701	7.43858	9.43764	8.26942	8.69948	8.45141	8.27357	8.62519	7.62214	9.03003	9.11939	8.35093	9.01348	7.95813	9.43871	8.1843
CAV2	6.38582	6.18481	6.28503	6.19796	6.67173	6.58244	6.81398	5.75088	5.71442	6.48735	7.32622	6.65309	7.32963	6.71848	7.18124	6.06726
CAV3	4.51157	6.08983	4.56634	5.97245	4.04328	4.20319	6.56354	6.93638	4.07916	4.20362	5.53265	5.05314	4.10293	4.65943	5.74894	6.84955
CBFA2T2	4.89312	4.67368	5.06996	4.66973	5.45803	5.38601	6.38805	5.46878	5.56822	5.13968	5.00115	5.85303	5.92959	5.52006	5.66845	5.64746
CBFA2T3	7.1585	7.95349	7.69525	7.92034	6.71732	8.2162	8.04043	7.85943	7.55668	7.0963	7.02351	8.26406	7.15471	6.79872	7.22466	6.41126
CBFB	6.42252	8.0442	7.64325	6.96393	6.49916	7.66453	7.63362	6.84429	7.82305	6.40779	8.2181	7.51761	8.71707	7.17234	7.61764	8.23628
CBL	4.84269	5.04313	5.45816	5.65866	5.04479	5.77633	5.18283	5.88076	5.36254	4.94543	5.92433	5.39055	5.14127	5.51774	5.49777	5.06976
CBLB	5.46739	5.96484	5.77997	5.63833	6.26791	5.48621	5.81741	6.28402	6.00856	6.13753	6.39601	5.39197	5.21788	5.03249	6.52236	6.01167
CBLC	3.21409	3.4102	4.081	2.86196	3.2859	3.8926	4.9541	3.62918	4.19473	3.93824	3.99949	3.58419	3.41557	3.96139	3.39527	4.55835
CBLL1	5.38803	5.42372	6.11097	6.94281	6.6655	6.33407	6.80131	6.76425	6.31181	4.93457	6.92317	6.6623	6.24612	6.02526	7.14362	7.14036
CBLN1	5.81304	6.28525	6.10848	5.21663	5.01197	5.8754	3.90378	6.81937	6.14347	6.32441	5.94244	5.05705	4.99358	5.86754	6.46771	6.27509
CBLN2	5.972	6.86679	4.52167	5.7533	7.62671	7.23499	6.44335	6.21697	6.85143	5.23982	6.22861	6.41555	7.19075	6.49826	7.93681	6.43526
CBLN3	5.90515	6.51855	6.09043	6.68022	8.037	7.13546	7.23063	7.54638	7.533	4.89975	6.69702	6.56339	5.05022	6.86898	7.31362	7.01539
CBLN4	3.66318	5.29895	4.36262	4.55201	3.68688	4.86471	4.17869	4.68531	4.75373	4.44851	4.18179	4.50648	5.10043	5.35585	4.24825	4.68708
CBR1	5.52006	4.67009	4.99562	6.2336	6.29245	6.67555	4.6921	2.70064	2.79078	5.53181	6.47092	6.42535	2.29255	6.62664	3.32134	2.45954
CBR3	7.98107	7.79216	7.59211	7.93959	8.03931	6.85446	8.28067	7.01393	9.79051	9.86045	8.9238	7.76824	7.55918	8.79695	7.25682	7.58523
CBR3-AS	4.07739	4.16665	4.59156	3.39266	3.332	3.48275	3.66727	4.94005	4.35008	4.37039	4.30008	3.73889	4.35703	4.63606	4.39141	3.55406
CBR4	7.24167	7.19756	7.51308	6.85121	6.79006	8.07429	6.78789	7.48402	7.30071	7.51623	7.00465	7.27394	7.56925	7.76924	7.5276	7.28019
CBS	6.27917	5.59579	6.68004	6.17104	6.18849	5.96291	6.18661	6.6608	6.38496	6.92291	6.56098	5.41468	6.52645	6.34219	6.04611	6.34544
CBX1	8.68367	8.75206	9.46237	9.62422	9.81371	9.71435	8.91642	8.84269	9.14095	8.29809	8.87358	9.09212	9.15554	9.80516	9.85111	8.66277
CBX2	4.9311	5.42167	5.16393	4.68542	5.55535	5.76261	5.68755	5.74686	5.83196	4.52416	5.53003	5.80613	6.07171	5.34019	5.66638	5.52153
CBX3	7.20629	7.89821	8.38415	8.01968	8.59959	8.44731	8.76971	8.47257	8.02382	7.86216	8.40309	7.79591	8.66327	7.74678	8.54913	8.99912
CBX3P2	4.14888	4.41154	4.71136	4.61877	5.62183	4.51187	4.88202	5.04171	1.76451	5.09778	4.76241	4.39036	4.98805	4.52704	5.33111	5.448
CBX4	5.76559	6.13885	5.7441	5.11528	6.03639	6.76694	5.62516	5.9271	6.53353	6.82022	5.75253	5.99946	5.467	5.86526	5.30191	5.66376
CBX5	5.27976	5.22231	5.72153	5.88796	5.68579	5.70337	6.46809	5.47673	6.01189	5.3882	6.36574	5.40291	6.15413	5.98151	5.70701	5.61241
CBX6	8.30517	8.60447	8.48742	8.39851	7.85368	9.01581	9.63071	8.85032	8.8333	8.39908	8.84421	9.13921	8.05165	9.23091	8.17017	7.91464
CBX7	8.70192	8.66637	9.13069	9.30638	8.49676	8.54751	8.40568	8.0588	8.32702	9.17731	7.46235	9.29585	7.66014	7.89522	8.22892	7.57583
CBX8	3.93705	3.09358	2.88071	4.1487	2.79083	3.90614	3.97251	3.55509	4.07916	4.83738	2.83774	3.25228	4.30438	4.04773	3.13607	3.2169
CBY1	7.268	6.19751	6.31746	5.6019	6.7602	6.75136	7.09937	5.75373	6.36379	6.16667	5.41489	5.90568	5.57414	6.2296	5.7837	5.56198
CBY3	4.77121	2.1636	4.6804	4.10198	4.62281	5.00608	4.78492	1.79233	3.71298	2.23712	1.48752	3.60204	2.46016	3.9369	4.08763	3.78507
CC2D1A	4.81824	3.82021	4.47514	3.18522	4.67447	4.54782	4.369	4.00169	4.64564	5.30533	4.88429	4.70821	4.71588	4.95342	4.23832	4.06587
CC2D1B	4.55715	5.12092	4.26185	5.13528	5.09372	5.3422	4.29733	5.21762	4.35917	4.69519	5.29401	4.93717	4.61897	4.4917	4.84794	3.65968
CC2D2A	6.07956	5.7065	4.23681	5.56504	4.27754	3.78217	4.61877	4.5681	4.57172	4.58568	4.03714	4.84399	5.18845	4.50434	3.78816	4.57949
CC2D2B	5.21272	5.59022	5.04282	5.70679	4.86578	5.29139	5.32956	5.79356	5.44119	5.23031	5.35772	5.88851	5.7379	5.29621	5.65551	5.69738
CCAR1	6.81119	6.46008	7.34486	6.95215	6.1291	6.58286	7.19055	7.12819	6.75136	6.13951	6.39924	6.20495	7.00962	7.0227	7.00801	6.72393

CCAR2	6.4328	5.79645	5.69563	6.02045	6.40514	5.59162	6.09107	5.8278	5.72846	5.99832	5.05825	6.07557	5.87662	5.89619	5.99268	5.77127
CCBE1	4.10559	5.22028	5.62444	5.09784	5.07091	5.31988	5.82175	5.42798	5.25141	5.39736	6.32085	4.84684	5.36254	5.34089	4.89352	4.61798
CCBL1	3.67678	3.66359	3.17146	2.93188	3.47567	3.81775	3.30245	3.33875	3.03602	3.64434	4.20167	3.0635	3.7942	3.75099	3.50747	4.19207
CCBL2	8.63776	9.71962	9.4367	9.00167	9.97015	9.53098	9.27799	9.89971	9.02178	9.91339	9.28504	8.36759	9.50597	8.70076	8.97416	9.15617
CCDC101	5.85251	5.50829	5.59669	6.0966	5.63513	6.18661	5.45803	5.78337	6.25296	5.74475	6.0554	6.34587	6.30311	6.84027	5.59457	5.6286
CCDC102	3.50034	3.33539	3.46771	3.39777	2.81309	3.01096	3.39293	3.0481	3.17124	4.49669	3.90646	6.42714	3.69964	4.86024	3.98218	2.92719
CCDC102	1.54854	4.04274	5.71171	4.41415	5.44738	5.71355	2.75954	6.06816	5.26316	4.33627	5.29298	5.24175	4.84921	4.25308	5.63427	4.65128
CCDC104	7.57185	6.40333	5.94464	7.51308	7.80438	6.74566	7.88746	7.97727	6.60078	6.59438	6.5465	6.09694	6.62571	8.15497	7.95297	7.52301
CCDC105	5.2904	4.19998	4.2347	4.21125	3.60374	4.21021	6.14478	5.95794	5.92492	4.25004	5.84336	5.87762	5.31934	4.81617	6.05758	6.5267
CCDC106	6.16827	5.81537	5.98264	5.15376	5.61572	6.45904	5.89174	6.60003	4.63412	5.47514	5.53434	5.66749	5.91158	6.01413	5.62247	5.38936
CCDC107	8.81561	8.53336	8.52058	8.45287	7.76459	8.11404	7.05637	7.92769	7.94437	8.51656	7.70458	9.04511	7.96232	7.76017	7.57158	8.71458
CCDC108	3.36123	3.76863	3.18584	3.4744	3.21664	3.50136	2.29847	3.83303	3.31951	3.12086	2.20167	3.06407	3.32719	2.78886	2.62149	3.06904
CCDC109	8.37861	9.34263	9.38383	9.50129	8.49751	8.99071	7.6183	8.86754	8.30207	7.68075	10.1412	9.57819	8.70969	7.65963	8.27087	8.5739
CCDC11	9.59094	5.86382	5.6532	8.49992	5.52262	5.85427	4.96412	5.77035	6.7969	4.97169	4.53581	6.48013	6.10632	5.77587	6.16097	5.27316
CCDC110	3.72099	3.04911	4.7747	3.28542	4.95776	2.11228	2.42155	4.99236	5.24814	6.25838	3.15604	4.03129	2.59488	1.59381	2.39175	3.01871
CCDC112	6.98274	6.58183	7.95719	7.89111	7.37708	7.4913	7.36321	6.52183	7.50356	6.11917	6.48515	7.59076	7.78534	6.92136	7.25682	8.45546
CCDC113	10.6932	8.85744	6.28952	10.0552	6.82022	6.94902	6.9262	6.14174	7.87079	6.90821	5.89332	7.49252	6.48815	7.16929	6.8991	3.94585
CCDC114	9.04765	6.51441	4.59156	6.84823	5.01701	5.29139	5.54511	5.53727	6.63564	5.69464	5.5279	4.98318	6.22193	6.08763	5.67434	6.03959
CCDC115	9.15586	9.65415	9.19844	9.43414	9.01679	8.63551	8.49885	9.07809	9.19498	9.0751	8.78234	9.15554	8.71998	9.21392	9.53523	9.29432
CCDC116	5.92774	4.41629	3.91127	3.78412	3.65448	3.33634	4.41106	5.32306	4.3125	6.0512	5.70221	4.71689	5.41348	5.06524	4.73297	5.27518
CCDC117	6.21942	5.84601	5.82205	6.74045	6.5965	6.22536	6.06179	5.79691	6.35027	4.77355	6.30311	6.06344	5.99707	5.54219	5.57283	5.67516
CCDC12	9.58716	9.49156	9.07809	10.2527	8.46726	9.04127	6.99419	7.67964	8.07186	8.58514	8.89445	10.2444	8.60597	9.00415	8.38415	9.35144
CCDC120	4.2696	5.10495	4.17392	5.53739	3.82357	5.09541	4.51847	4.54107	4.22158	4.40873	4.30957	3.6493	4.26827	4.99475	3.98788	4.16142
CCDC121	6.43709	6.03648	5.67655	6.28503	6.12195	4.98736	5.05601	4.53792	4.9172	6.0027	4.58758	4.99212	5.20492	5.54064	5.89474	5.2818
CCDC122	4.26669	1.32117	4.84165	4.42997	4.4943	4.89474	2.98815	1.67907	4.50459	5.27076	1.63512	3.88877	3.8683	5.24887	5.23355	5.51657
CCDC124	4.40984	4.24079	5.02245	4.78265	5.58238	4.79475	5.39524	4.98208	5.25551	5.31988	6.31836	5.92232	6.55469	6.66212	6.20181	4.67909
CCDC125	6.27203	5.81438	5.42251	5.78504	5.14307	4.93449	5.95773	5.65971	6.47803	4.7822	5.6401	5.38125	5.25591	5.04856	3.52508	5.20936
CCDC126	6.09492	6.32349	5.72712	6.16942	5.92675	6.12725	5.91749	4.99425	5.72222	6.39572	6.96438	5.03914	6.0697	5.6286	4.85971	6.07836
CCDC127	6.97815	7.39737	6.93323	7.02816	7.67366	7.63411	7.0981	7.36016	7.19165	6.92836	7.31041	7.26944	6.97016	7.00465	7.26624	7.06102
CCDC129	4.44939	4.92092	5.29269	4.70503	4.7443	4.83644	4.93071	5.16276	5.57791	5.56699	4.78093	4.46856	3.01442	4.80917	5.39594	5.06996
CCDC13	5.03273	5.28791	4.58614	5.22468	4.72271	4.6393	5.66603	4.72646	4.67394	4.17998	4.45895	4.63475	5.1794	4.31215	4.6025	5.41338
CCDC13-	5.37195	5.65446	5.43134	6.32236	5.30926	5.71355	6.28124	5.31891	5.96744	5.99161	6.11109	5.66008	5.95749	5.44248	5.86066	5.89174
CCDC130	7.1175	6.67817	6.27834	6.55019	7.1609	7.11663	6.78362	7.32289	6.63893	5.13192	7.17305	7.92528	7.16848	7.09238	6.40806	7.07611
CCDC132	4.45689	4.27479	4.32106	4.69418	4.32957	3.86993	4.02452	4.79805	4.56336	4.0497	4.96826	3.83274	4.02325	4.78407	4.75405	4.64145
CCDC134	5.00322	5.02851	4.77186	4.68824	5.59384	4.97087	5.60943	5.1141	4.98058	5.37698	5.06879	5.33606	5.21321	3.91689	5.25642	4.82763

CCDC135	5.81705	2.63607	2.48448	2.73925	2.18367	2.31052	2.20014	2.23712	3.09248	2.19868	2.10233	2.36593	2.23314	2.48051	2.11842	2.34348
CCDC136	5.55094	6.1373	6.13632	5.39993	5.09969	5.47317	5.80882	5.66376	5.75483	5.62113	4.72736	5.69979	5.4816	5.41267	5.29895	5.12344
CCDC137	7.3638	7.11993	6.81937	6.9363	7.62768	6.98418	7.88907	7.93762	7.66991	6.83889	7.25444	7.49429	6.93297	7.68808	7.31509	7.4292
CCDC138	7.04028	4.37724	4.86187	6.46361	6.97815	5.71671	5.09503	6.2399	5.74261	2.96145	6.11067	6.10535	6.14773	6.06936	6.93646	6.68966
CCDC14	7.22613	6.22105	7.11889	6.26672	6.88484	6.55313	6.33947	7.19145	6.16601	5.96325	5.94158	5.83334	6.16481	6.18419	6.41548	7.09252
CCDC140	6.15937	6.67477	6.84709	6.50907	6.33199	6.87666	6.83665	6.79149	6.63155	6.43506	6.34155	6.84709	6.9617	7.11898	6.33877	6.50178
CCDC141	3.60362	4.2027	4.24374	4.28892	5.09722	3.04143	4.17491	4.00094	5.2853	3.31489	3.48084	3.82924	3.80262	3.23532	5.24136	7.49393
CCDC142	3.82982	3.24563	3.25331	2.28551	2.2597	4.51187	2.3531	1.99703	3.06765	2.38782	1.1038	1.4899	2.46016	4.4695	2.41671	2.90822
CCDC144	3.40139	3.53131	2.64433	2.73018	3.19522	2.22591	3.28186	2.79997	3.34091	3.17881	2.87786	2.43076	2.5081	2.91618	2.87454	2.95261
CCDC144	3.84315	5.28694	5.12923	5.30542	5.11124	5.22596	5.55517	4.15015	5.08232	4.75195	4.34451	4.63261	5.00103	4.80703	4.68857	4.9541
CCDC146	9.23319	7.81452	7.1301	8.0875	8.17146	7.88362	8.06065	7.0935	7.32857	7.19373	6.19879	6.95444	7.5872	7.49699	7.76045	6.9078
CCDC147	7.14383	6.65283	6.11583	6.74157	6.29917	6.27273	5.89104	6.1213	6.03781	6.2539	6.55085	5.86958	6.29342	5.91823	5.94789	6.69702
CCDC148	6.48056	5.67296	4.73609	6.5545	5.98281	5.64746	5.52677	6.11473	5.72464	5.94746	5.23178	5.64428	5.63203	5.50898	5.52864	5.38125
CCDC148	2.47437	2.70876	2.63513	2.22193	2.85371	1.90997	2.53476	1.67907	2.07939	2.98998	3.15604	2.46803	1.68682	2.54935	2.6136	1.73976
CCDC149	4.87118	4.74678	5.56504	5.39542	5.50846	4.68824	5.24175	5.10984	5.91457	5.27316	5.44093	5.73881	5.56612	5.49559	6.03955	5.28927
CCDC15	6.17248	4.26713	4.84269	5.06524	4.61592	4.59297	4.69482	4.71918	4.63031	4.05092	5.06066	4.40714	5.18381	5.13292	4.6173	4.84284
CCDC150	4.43347	5.12101	4.57949	4.46592	5.27758	4.467	4.86562	4.35243	4.2689	3.84597	5.13968	4.84732	5.26934	3.81426	5.18831	4.40301
CCDC151	8.14451	7.28879	6.78897	7.24367	5.88955	6.74298	5.35053	5.91431	6.68791	6.41416	6.48361	6.95884	5.75502	6.63311	6.31502	6.29935
CCDC152	7.50356	6.46753	7.0163	7.3511	7.14657	7.65533	7.05207	8.09817	6.83449	6.7168	6.33134	6.73855	6.69601	6.60163	6.90931	6.95847
CCDC153	9.06301	7.5677	7.22828	8.06011	5.92215	6.1277	6.75482	6.55748	6.45211	6.20798	5.6827	6.83019	6.06561	5.88181	5.18256	6.5958
CCDC154	5.81029	4.04274	5.15361	3.72039	5.48441	4.47194	3.91631	3.81494	5.52833	1.63837	4.41154	2.91196	3.16183	4.1099	3.82329	4.35197
CCDC155	6.07584	5.94638	6.06384	5.49184	5.24432	5.63076	5.7874	5.45391	5.61701	5.92806	5.81147	5.61268	5.78934	5.49726	4.77905	5.29354
CCDC157	6.20495	5.92308	4.49983	5.30826	5.32709	5.85803	5.74585	5.97543	4.96826	4.72596	5.28699	5.83304	5.7837	6.40514	6.32323	4.73152
CCDC158	6.12395	5.63956	5.46851	5.18671	5.04296	5.61646	4.40116	5.39398	4.19924	5.39398	5.68401	4.99067	3.68243	5.14507	5.35416	5.39339
CCDC159	6.56249	6.75126	5.94218	6.14599	6.31408	6.38419	5.20294	3.49069	6.49966	6.89272	6.29463	4.32878	4.87351	6.16967	4.49023	5.31202
CCDC160	4.21462	1.7774	3.28947	2.28551	4.11679	4.27251	2.0296	2.46648	4.87322	4.33627	4.73192	0.96901	2.23314	2.01506	4.73809	4.86726
CCDC163	6.22861	7.33495	7.12575	6.81999	6.77582	7.44463	6.94991	7.7022	7.14258	6.54082	6.69095	7.00837	6.9035	6.81451	7.17486	6.98315
CCDC167	7.31858	8.51199	8.26232	8.52934	8.26232	8.99676	8.42443	7.13353	8.40757	8.5194	9.16397	9.21483	8.80651	7.93338	8.02904	8.37645
CCDC168	4.20655	3.75226	4.33587	4.6313	4.49693	4.51886	4.22557	4.08055	3.86925	4.88092	4.57279	4.65498	4.26699	3.72504	3.54873	3.59313
CCDC169	3.60427	3.77315	3.82451	4.41015	3.59643	3.96094	3.19159	3.24161	3.44604	3.85278	3.69873	3.87655	4.4005	3.62206	4.05696	3.95895
CCDC17	10.0667	7.09188	4.29326	7.7985	4.59036	4.59455	6.37377	4.31688	6.13111	3.8429	3.8679	6.8763	5.23563	4.2359	5.32857	4.2082
CCDC170	7.62715	6.85121	6.2245	7.50575	6.52147	6.35351	6.29614	4.19473	6.66401	4.17211	5.40071	6.63345	7.01622	6.60555	6.70755	6.30041
CCDC171	3.47705	4.39799	4.17798	3.96598	4.41182	3.29908	2.97356	3.97656	4.36385	4.29893	3.22605	3.91616	3.41615	3.37574	3.57397	3.72627
CCDC172	4.1934	4.30874	4.25955	4.09184	4.14888	4.25611	4.35645	4.55333	4.04754	4.16253	4.18485	4.37803	4.61995	5.97437	4.33259	4.25148
CCDC173	9.0488	7.67515	6.40934	8.78995	5.73855	5.54525	5.74052	6.40684	5.99481	5.35295	6.29651	5.13371	2.81611	6.35603	5.0902	6.11535

CCDC17	6.0322	5.49464	5.5809	6.30778	6.47005	5.64557	5.66008	6.38118	5.7047	5.53879	5.28765	5.42053	5.43333	5.88542	5.94198	5.63182
CCDC17	6.01106	6.53205	5.67691	6.44275	6.10023	5.92548	5.23607	5.81102	5.61554	5.86603	5.36312	5.80097	6.23778	4.61264	5.98807	5.94835
CCDC17	3.11441	3.12278	3.32481	3.28542	3.66644	4.21854	4.50617	4.58008	3.69577	3.53934	4.15044	3.92989	6.06109	4.21305	4.78568	3.70541
CCDC17	2.68367	3.51602	3.34445	2.45536	4.6615	3.13279	4.14005	2.55884	2.58986	2.69205	3.37552	3.32466	2.68899	2.51368	2.54889	3.87671
CCDC18	4.64753	4.19043	5.21505	4.43223	5.08081	4.51531	5.15143	4.9796	4.71077	5.37911	4.8435	4.74959	5.40101	4.66973	4.73468	5.11089
CCDC18	6.74554	4.30729	3.59313	4.6307	3.87914	4.27418	2.74555	2.94457	5.55094	4.08441	3.24005	3.40883	3.35187	3.45501	4.15684	3.25464
CCDC18	6.11683	3.66604	5.74444	3.51493	5.82817	5.84203	5.2506	6.46837	5.66243	4.3268	4.84579	6.47821	2.96494	6.09928	6.09652	6.15746
CCDC18	3.0835	2.72769	2.46272	2.50291	3.03309	2.24655	2.9333	2.75656	4.7523	3.66644	2.85145	3.41704	3.49323	2.97219	4.6631	2.84751
CCDC18	6.78332	6.23163	6.40667	6.92944	6.15168	6.20059	6.02125	6.19649	6.49559	6.77476	5.69803	6.04558	6.50013	6.53759	6.00927	6.38814
CCDC18	6.63097	6.54549	7.17866	6.69768	6.35513	6.15488	6.21218	6.12184	6.98885	6.97901	6.19092	5.90098	5.68816	5.94337	6.45868	5.9579
CCDC19	10.1183	7.67128	6.03318	8.80719	5.41562	5.79169	5.0499	6.32848	6.455	4.98208	6.08974	6.29645	4.19674	5.75347	4.9403	4.35788
CCDC22	6.00176	7.30035	6.78294	7.19867	6.73025	6.85678	7.18817	6.02838	6.53673	6.77216	6.60496	7.52561	6.83389	7.19756	6.45781	6.47587
CCDC23	6.84381	6.52849	4.37426	6.80069	7.20402	4.48862	2.15094	3.50531	2.97568	4.92663	6.3021	6.64925	4.19674	6.45261	5.91892	6.62363
CCDC24	5.7287	4.59974	4.07777	4.46262	4.00401	3.76182	4.43758	4.46162	3.5404	3.8429	3.62297	4.2645	4.39532	6.11917	3.95895	4.84596
CCDC25	7.42977	7.73665	7.59324	7.85915	8.21397	7.88984	8.10013	8.67112	8.037	7.87581	7.53547	7.25599	8.54777	8.07018	7.89362	8.27879
CCDC26	2.37329	2.26456	4.71654	1.73098	1.54197	3.6144	5.12739	2.30474	2.67969	2.91059	2.50161	2.10229	4.006	1.92414	2.47462	1.96263
CCDC27	3.85425	6.37502	3.69741	4.0196	3.46884	3.6993	5.63956	5.01734	3.15245	4.02075	4.12088	3.6339	6.28305	5.45508	2.47462	4.40686
CCDC28	8.65431	8.20839	7.8738	8.84845	8.46507	8.23028	7.4292	7.31389	8.58018	8.31171	7.5306	8.24453	8.47257	7.8025	8.26281	7.61541
CCDC28I	5.40569	5.90129	6.41424	6.01426	6.69321	5.38261	6.11077	6.07787	6.20158	4.65845	6.14896	6.03112	6.39528	6.9723	6.80592	6.56837
CCDC3	7.77398	7.19853	8.31253	7.5034	6.63133	7.76101	6.30615	6.70518	7.94249	8.39534	8.52211	8.60829	6.29087	5.89338	7.23733	6.08596
CCDC30	6.69654	4.75817	4.66254	4.97201	4.65119	5.48041	5.0241	4.46997	4.47732	4.17971	4.78121	4.36875	5.93792	4.77905	5.80824	4.81497
CCDC33	6.23907	4.64455	4.67368	5.8369	4.9024	4.81793	4.84882	5.05799	5.31111	5.19529	5.09699	4.89146	4.68167	5.2998	5.0222	5.0052
CCDC34	6.55687	6.29935	6.0088	5.5118	5.49659	6.49041	6.38596	6.98687	6.61572	5.81836	6.39825	6.52048	6.42215	6.05388	6.98862	6.566
CCDC36	4.33712	4.99372	4.57777	4.50587	4.85938	5.07033	4.53621	4.75041	4.83215	4.12698	4.83452	4.46232	4.97134	4.65694	4.8242	4.4764
CCDC37	6.93706	5.72448	6.08128	6.44343	5.49513	5.46637	6.29651	6.41007	5.51248	6.3022	5.66394	6.5805	5.51949	5.06142	5.72052	3.93765
CCDC37-	4.47708	4.56297	3.69237	4.78555	4.09906	4.27619	4.47947	4.7744	4.11132	5.03866	4.38374	3.86666	4.31456	5.33489	4.6779	4.33103
CCDC38	7.06708	7.05859	6.66023	6.69435	6.05522	6.13597	7.0576	6.84575	6.57608	6.52602	6.1103	7.09327	6.96636	6.75243	6.73346	6.18726
CCDC40	6.35285	4.92803	4.88984	5.33725	4.85291	4.81876	4.98644	4.86826	4.80793	4.94515	4.389	5.14307	5.13901	4.22833	4.53186	3.62493
CCDC42	3.50034	2.77081	2.98152	2.93958	2.68714	3.04945	2.83966	2.81438	3.59405	3.13394	3.48511	3.04581	5.88871	3.09139	2.21248	2.67577
CCDC42I	6.06363	3.72504	3.93299	3.54143	3.7093	3.31104	4.72092	4.4803	3.99057	3.56378	4.16919	3.9473	3.69533	3.00648	4.08953	4.33365
CCDC43	7.49002	8.11589	7.44529	6.7756	7.76969	7.68368	7.14362	5.87608	7.4092	6.84248	7.57911	7.51379	7.53627	7.55008	7.35004	6.80078
CCDC47	9.16038	8.31293	9.21392	9.19307	8.44288	8.48955	8.89725	8.62243	8.17252	8.57847	8.98902	8.43886	8.66033	9.14235	8.73732	8.44434
CCDC50	6.43871	7.25283	7.40692	7.41093	7.30071	7.57115	7.03494	6.64551	7.02888	6.85008	7.24638	7.07295	7.1553	7.18817	7.4647	7.32914
CCDC51	7.10194	7.6532	7.32079	7.49709	7.20644	8.44583	7.65874	7.9021	7.4535	7.81607	8.01932	7.67469	7.33828	8.27215	6.93693	8.05022
CCDC53	8.09246	8.77677	8.98153	9.35321	8.60291	8.2853	8.02942	7.72774	8.89556	7.75974	8.2533	8.56737	9.62902	8.21596	7.98837	7.98728

CCDC54	1.11909	1.58173	1.59211	1.3754	2.58828	2.07394	2.31492	1.79233	2.03262	1.69907	1.32308	1.73861	2.42653	0.96901	2.3168	2.69842
CCDC57	6.00149	6.02979	5.8345	5.80184	5.72249	5.88405	5.46994	5.58559	5.84212	6.10048	5.27976	6.32249	6.20784	5.53003	4.86049	5.65526
CCDC58	7.0353	6.61318	7.04784	7.36211	6.19642	6.13597	7.06635	6.71281	7.25138	6.6596	7.38474	7.13607	7.30631	6.57182	6.41398	6.83822
CCDC59	7.77079	8.08932	8.10225	8.67903	7.93681	8.42795	8.32089	7.96074	8.31119	7.13557	8.18994	8.64262	8.74446	8.74074	7.92999	8.16276
CCDC6	8.05665	7.92217	8.38448	8.24077	7.57786	8.3014	7.56138	7.85105	8.30473	8.37595	7.80351	8.03572	7.54204	7.28361	7.88701	7.76155
CCDC60	6.94323	5.18956	6.35513	6.63175	5.82817	5.05836	6.6686	5.55549	5.28829	6.80482	5.37493	4.88247	5.45118	6.77183	6.387	6.03191
CCDC61	5.64846	6.08798	5.53879	5.89619	5.49824	6.07413	4.86845	5.14737	6.11535	5.95253	5.70383	5.71731	5.22723	5.67359	5.2755	5.86149
CCDC62	5.74238	5.83371	5.28484	3.71004	4.17502	3.27349	5.28718	5.71377	5.18228	5.23533	5.27788	5.32994	3.51845	5.35106	5.98671	4.35197
CCDC63	5.26165	5.30145	4.22425	4.92187	5.69349	5.16691	5.10831	4.25669	5.85541	5.51925	5.92887	4.64303	4.08241	5.30223	3.89749	4.65881
CCDC64	7.53449	7.45606	7.81868	7.82021	7.64471	7.8327	8.20228	8.13992	8.12675	7.42325	7.52519	8.01756	7.45674	8.10743	7.46717	7.70022
CCDC64I	8.10588	6.0682	6.24434	6.44576	5.50313	5.49311	6.4034	5.85651	6.86006	7.71255	6.57985	6.21309	2.81611	5.93474	5.42944	5.62183
CCDC65	6.42338	5.56699	3.66155	5.76467	5.22886	4.22052	4.08953	4.88056	5.05491	3.54653	5.30158	4.62341	4.25052	3.94518	4.73504	4.10281
CCDC66	4.67447	4.07826	6.11888	4.20362	5.76136	5.38643	5.15982	6.35534	5.78611	4.12135	6.05903	4.32665	6.08983	5.04788	5.54517	5.51296
CCDC67	4.83683	4.59565	2.69625	4.23311	3.30187	3.14371	3.19458	2.3203	3.52053	4.17869	3.49824	3.28733	3.46973	3.67421	2.97075	3.99432
CCDC68	6.31688	5.66816	6.51077	6.64424	6.10943	5.60919	5.19203	4.26669	6.46269	6.68558	6.4066	5.49854	4.80971	5.81659	6.04747	7.50132
CCDC69	7.17515	6.94494	7.08255	6.98687	6.45085	4.95192	4.83492	5.37249	6.87129	4.46555	6.74365	6.32349	4.04442	4.4903	6.48056	4.70708
CCDC7	4.87602	4.74151	4.75855	4.7056	3.8925	4.54821	4.48511	3.14316	4.7761	4.35008	4.05336	4.06977	4.37651	4.9537	3.88198	3.70978
CCDC70	4.24384	3.3786	4.47125	5.08982	1.64332	2.07394	4.29522	4.74882	3.94629	2.72148	4.61069	4.66991	3.28382	3.05474	3.81591	2.53538
CCDC71	6.16343	5.96723	6.05319	5.51387	5.88734	5.76769	5.96527	5.73085	6.20487	5.98083	5.63879	6.32273	2.26476	5.80706	5.78516	5.4554
CCDC71I	4.73535	5.59883	5.59435	5.32566	5.8076	5.85848	5.31355	5.11244	5.27173	5.78092	5.96608	5.33742	5.94351	5.61979	5.28273	5.9206
CCDC77	6.84198	6.72462	7.05131	6.65883	8.03332	6.85291	6.87216	6.84849	6.89331	6.75728	7.26944	7.11194	6.9368	7.71422	8.06968	7.37837
CCDC78	7.16815	4.91088	4.67509	6.51425	4.68584	5.18553	5.34129	4.80693	3.94629	3.62321	4.05647	4.69025	4.31215	4.34433	3.78253	4.17756
CCDC79	3.28382	3.21812	2.70549	2.184	2.55772	1.68859	2.39011	2.61382	3.49474	2.50603	2.79035	2.75185	2.29255	2.37224	2.67357	2.31622
CCDC8	6.05425	5.77371	5.66603	6.38344	6.38087	5.588	5.34851	5.64185	5.60707	6.6589	5.32654	5.54182	5.8259	6.4921	5.71853	5.58003
CCDC80	6.89099	7.06255	6.19536	6.93914	6.40584	6.60736	5.57239	6.6849	6.39825	6.60033	6.00628	6.04492	5.85334	5.69433	6.5885	6.29893
CCDC81	9.5293	7.23561	2.85145	7.737	5.8772	4.16542	2.70047	3.15288	6.12891	3.02948	3.97251	4.51148	2.62575	2.37224	5.11379	3.88705
CCDC82	4.64638	6.20784	5.34336	4.89016	5.13823	4.73656	4.52793	5.27456	4.67416	4.7747	5.39292	4.76519	4.67029	4.43372	5.0097	4.90027
CCDC83	4.44608	1.94258	2.11428	4.71865	2.29738	3.35168	2.45415	3.77845	1.87545	3.62321	1.74872	1.44837	4.369	1.36152	4.24348	1.27255
CCDC84	9.17582	9.10357	9.58269	8.90397	9.3856	8.97745	9.04381	10.0629	9.1358	9.01766	8.79141	9.32763	8.27589	8.30848	8.70368	8.90205
CCDC85A	5.12193	4.22052	4.89293	4.37264	4.57197	5.5234	3.99526	3.36615	3.33935	5.06815	3.87392	4.10354	3.87682	3.83274	3.6993	3.81298
CCDC85I	4.26862	4.36722	4.3412	5.77227	4.50924	3.98617	3.6256	3.42322	4.74249	4.29087	4.94868	5.59425	4.79429	4.6561	3.44577	4.7148
CCDC85O	5.81123	5.76151	5.92433	5.14009	5.67943	5.90297	6.47632	5.67573	7.14001	5.73609	7.34167	7.11782	6.88898	6.41612	6.94586	6.70411
CCDC86	7.43469	7.10181	7.06652	7.55108	7.14258	8.03572	8.34233	8.33548	7.35884	7.44432	7.63737	7.68518	7.69867	8.02205	7.52708	7.75362
CCDC87	5.49125	4.32699	4.04694	2.93958	3.42572	3.6256	3.52327	2.75656	4.46077	3.49311	3.79556	3.3733	3.57524	3.62944	4.25015	3.55993
CCDC88A	4.28137	5.14061	5.69601	5.14689	5.40569	5.31739	5.2742	4.91813	5.5909	5.69999	5.56217	5.26645	5.09531	4.45264	5.51406	5.54541

CCDC88I	7.02091	7.55544	7.78212	6.78183	6.94612	6.18539	4.80326	7.65647	7.75362	6.85143	8.1215	8.51154	6.37128	4.22367	5.1212	4.7575
CCDC88(	7.16051	6.78245	7.10298	6.91944	6.08449	6.10744	6.07392	5.95001	7.0163	6.30604	7.06635	7.21191	5.92122	5.73512	5.86223	5.86166
CCDC89	6.81286	5.30145	5.08103	6.31876	3.45301	3.36385	4.72349	4.87281	2.07939	4.55883	5.09621	3.93749	5.21928	5.2072	4.73809	4.2654
CCDC9	6.98274	7.66742	7.42409	6.6161	6.97964	6.99765	7.22727	7.41252	7.49498	6.15963	6.91517	7.31952	7.25808	6.75374	6.71275	7.11194
CCDC90I	6.0002	6.4483	6.09404	6.77096	7.24112	7.30736	6.20644	6.58949	6.29494	7.00638	7.18007	6.71871	6.73228	7.40969	7.18981	6.49089
CCDC91	6.68208	6.83822	7.48502	7.23328	8.28645	7.37635	7.39533	6.71848	7.24445	7.44541	7.48798	6.13654	6.85678	6.61839	7.89457	6.96543
CCDC92	8.09982	8.02454	8.00713	8.06752	8.46273	8.84762	8.05986	8.64898	8.55417	8.27798	7.95203	8.15363	8.33807	7.83611	8.55896	7.93728
CCDC93	4.94318	5.68558	5.56147	5.47117	6.09737	6.32405	5.54645	5.39423	5.71612	5.95408	5.39055	5.83371	5.15365	5.65821	5.84879	5.07857
CCDC94	5.59425	5.35666	3.47669	4.05472	6.04946	5.83799	6.53172	5.70528	5.49365	5.85135	6.30863	6.67249	7.0676	6.50205	5.54701	6.15381
CCDC96	9.29761	7.9697	4.40922	8.43478	4.30494	3.40348	5.49899	4.13045	6.87096	3.172	4.42745	5.56476	4.01206	4.31831	4.78962	3.73803
CCDC97	4.26411	4.13961	4.44653	5.1428	5.24618	4.8578	4.67236	4.60099	4.81196	4.12203	4.2931	5.32626	4.8435	4.67186	4.05776	5.00175
CCER1	2.55807	2.41683	4.5554	2.90159	2.97095	3.32048	3.16512	3.80483	2.64558	3.55696	3.27847	3.11416	2.7752	4.69923	3.35152	4.42279
CCHCR1	7.00261	6.5296	6.04396	6.49574	6.60087	6.6164	6.92227	6.38973	6.45376	6.50907	6.68722	6.83822	6.00809	6.92227	6.44926	6.55377
CCIN	2.93125	2.29438	2.17949	3.39777	3.38334	2.97137	3.40901	2.17246	2.61941	1.96807	3.26817	1.97567	1.86408	2.57571	2.54889	3.34078
CCK	2.96659	3.56819	2.82464	3.45327	3.49824	2.39513	3.61825	4.11111	3.86642	3.72029	3.8925	3.65608	3.36189	3.91524	3.39726	2.67577
CCKAR	3.98218	3.2112	4.21402	3.32776	3.97032	4.96712	4.44131	4.26297	3.16104	3.60223	4.43897	3.66032	5.14895	3.78816	3.77106	4.30655
CCKBR	5.19867	3.91052	5.67887	3.79065	5.0511	7.65092	4.4881	3.65968	5.52006	3.74908	3.62721	4.76618	5.10935	5.14196	5.29597	4.79653
CCL1	3.0835	3.28675	3.30294	3.06525	4.47624	2.31052	3.47278	3.61778	3.48123	3.21812	2.73426	1.91466	2.68899	3.12884	2.45708	2.61375
CCL11	5.49125	6.43116	7.35675	6.22736	5.16753	7.01052	5.03767	7.87458	6.49966	6.24408	6.23645	7.10648	6.44624	6.76613	6.62185	6.66264
CCL13	5.19701	5.03633	6.48361	5.57718	4.8423	5.43557	5.41414	5.92277	5.21987	5.14525	6.18497	5.86472	5.90129	5.22203	6.53152	5.52984
CCL16	4.80682	2.63607	3.43133	3.08274	3.07162	3.79752	3.31153	2.81438	3.19069	2.42411	2.24458	4.54726	5.36845	2.65463	2.39175	3.61186
CCL17	6.69314	6.65833	6.21121	6.35955	5.96744	6.35595	6.43533	6.4995	6.75235	6.41144	5.9554	6.44523	6.12219	7.29756	6.62543	6.51546
CCL18	7.71915	8.12568	10.5619	8.79361	7.75805	9.17299	7.70929	8.86529	10.9118	7.14639	11.7733	8.47096	10.5954	5.8694	8.95146	8.17338
CCL19	9.33149	10.6372	10.6549	11.565	10.8383	11.6889	8.8284	9.04721	11.2822	8.6025	9.19001	11.1559	9.47897	9.31202	9.87044	10.2886
CCL2	4.21462	3.51602	7.21997	5.86647	6.84027	8.02825	3.76501	6.26758	6.24633	4.14078	8.65073	6.61432	6.85535	4.61514	6.04515	6.55245
CCL20	8.53743	11.4272	11.3844	11.1496	11.9321	11.6219	11.2154	12.0504	8.87865	5.65002	5.36903	8.78072	12.0147	11.5015	12.4159	12.1308
CCL21	3.39513	7.1821	7.96758	8.81505	6.25144	8.77677	3.99724	6.02933	4.21488	3.15532	4.73761	5.9965	5.46165	4.1611	5.9283	5.46062
CCL22	4.0196	4.47322	4.48486	4.58019	4.41516	3.99153	3.52327	4.41679	5.85107	3.97041	4.22425	5.01256	3.69964	3.66246	7.94377	3.87671
CCL23	5.58603	4.481	4.61122	5.07033	4.79475	4.72646	4.29676	4.10559	5.26217	3.71758	4.62482	3.01167	5.78411	4.7864	4.35897	4.23345
CCL24	6.19869	6.27391	6.09644	3.66594	6.62843	6.01899	6.77506	7.25652	6.60078	6.99855	6.01952	4.84165	6.27443	6.35326	4.55074	6.10737
CCL25	3.16429	4.21006	4.89789	3.04143	4.67141	3.32048	2.0296	3.31083	3.45216	4.18447	3.63292	4.75713	3.65598	3.21424	5.21162	3.50454
CCL26	2.96659	3.30026	5.30133	3.21843	4.22631	4.71174	3.8062	3.65408	3.09248	2.50603	5.76559	5.53254	3.78698	3.12884	3.23099	6.20158
CCL27	6.08725	5.75554	6.24434	5.78328	5.85003	6.31072	7.07656	5.59748	6.15224	6.19774	6.03131	6.62122	6.07459	5.97437	6.08169	6.24469
CCL28	6.96582	5.67054	6.37253	6.74754	4.73341	5.65306	4.78069	5.49443	5.27718	9.62785	5.10043	4.42658	4.98524	5.02813	4.69519	4.70279
CCL4	7.08864	7.72752	8.51853	8.3014	7.87748	8.24645	7.72681	9.16908	9.16254	7.70647	9.79051	8.39244	10.0365	7.23528	7.73862	8.40309

CCL5	8.02477	8.56669	9.78666	8.8365	7.85515	9.19948	8.0931	9.83281	9.34263	6.94474	8.66567	9.23192	9.16397	9.19844	8.05054	8.89592
CCL7	5.30253	5.68283	6.04515	4.89975	6.22592	4.90919	5.23969	7.08805	5.33811	5.08644	7.65557	6.00619	5.64557	4.6923	5.79464	5.37957
CCL8	5.58309	6.90756	8.35528	7.25476	8.19658	7.61271	8.02454	9.97929	7.58583	6.99294	11.5751	8.38345	8.11826	7.29595	8.33277	8.62519
CCM2	8.59168	8.73477	8.78708	8.73848	8.09246	8.43133	7.5342	7.71422	7.98276	8.42505	8.40893	8.7032	8.08518	8.84687	7.9021	8.56923
CCM2L	6.54628	6.62173	6.82429	5.768	6.92598	6.32898	6.35133	6.91814	5.85483	6.92124	6.77986	7.11246	7.51379	7.12545	6.8608	6.417
CCNA1	6.57865	5.03524	3.36406	5.08982	2.65839	4.3237	3.74769	4.68363	4.5431	4.17211	6.20964	3.91237	4.84193	4.56553	4.56108	5.09761
CCNA2	6.26164	7.01754	5.9871	7.10858	7.75932	6.82274	6.05602	7.7389	7.37813	6.46724	8.09933	7.06345	7.49794	7.12462	7.30569	7.75853
CCNB1	6.65613	7.79666	7.34115	5.43712	8.137	7.49393	9.56952	9.04808	8.31492	4.38909	9.40867	7.34016	8.9826	8.46478	8.1831	9.01679
CCNB1IP	7.66727	8.43264	7.1008	7.72534	8.69776	8.99254	7.42103	8.67002	8.11503	8.5981	7.72159	8.18643	8.9894	8.55896	7.99805	9.0751
CCNB2	5.21128	6.6437	5.78012	4.60972	5.83128	5.55428	7.44956	6.11415	5.95126	4.43347	6.61013	6.0554	6.43423	6.38382	5.64281	6.65283
CCNB3	4.69843	5.8076	5.69888	4.29377	4.86049	4.95513	6.0054	5.07511	5.40317	4.39917	5.40071	4.542	5.79876	5.60866	5.57669	5.26217
CCNC	5.44744	6.46712	5.914	5.38189	6.06123	6.24154	6.50819	6.24386	6.06906	6.31307	5.69861	6.10632	6.47126	6.15798	6.39113	6.14545
CCND1	8.31666	7.59417	7.1525	7.22861	7.07769	7.01235	8.40792	6.31766	8.65698	8.83956	8.05054	8.29264	7.72559	9.20992	8.26668	6.41408
CCND2	4.86214	5.94835	6.35206	6.1118	7.23519	6.75751	5.83063	6.52729	6.48361	6.15616	6.66742	7.36235	5.99416	6.71337	6.70543	6.49439
CCND3	6.93064	6.85438	6.53152	6.35462	6.85546	5.75079	5.4816	6.8975	6.12774	7.25499	6.84156	6.55067	6.92196	6.42743	5.15007	6.31858
CCNDBP	8.32958	8.19104	8.3822	8.61743	8.39449	8.15382	7.34905	8.10432	8.29779	8.26876	8.11228	8.47942	8.37443	8.23685	8.12322	8.10173
CCNE1	6.17961	5.75079	6.78513	5.36051	6.50511	6.25921	6.5805	6.11714	6.22012	5.74862	6.12624	6.36493	6.6164	6.95057	6.64176	6.34706
CCNE2	6.16466	6.55905	6.11077	5.76901	6.71017	6.24136	6.8352	6.55527	6.23481	5.95367	6.93646	5.99814	6.91101	7.06551	6.9158	7.79926
CCNF	5.44553	5.18766	4.92321	4.76297	6.49124	5.19619	6.33721	5.493	5.5947	3.90154	6.93659	4.74336	5.76889	7.34402	5.84449	5.01713
CCNG1	7.96289	9.0861	8.90934	8.8053	9.65881	9.75827	9.48206	9.92274	9.02044	10.2725	8.86269	8.72446	9.72612	9.51497	9.98406	9.94645
CCNG2	6.45085	6.92393	7.03226	7.12767	7.37495	6.73909	6.41007	6.83716	6.61138	6.86841	6.27641	6.89606	7.2057	6.77476	6.8096	7.19735
CCNH	8.41565	8.28751	8.02082	8.96842	7.88258	8.87558	9.03764	9.55332	8.40497	8.54622	8.7884	8.22729	9.04465	8.72123	7.87611	8.69356
CCNI	7.383	7.42093	7.88233	7.25283	7.15001	7.7642	6.91292	7.26403	7.57158	7.93138	7.27221	6.3419	7.23414	7.90443	7.64325	6.99541
CCNJ	5.03413	4.12946	4.9654	5.01027	5.28109	5.30045	4.97356	5.11744	5.45446	4.69294	5.31618	4.61122	4.04638	5.54665	4.60842	5.02205
CCNJL	3.4567	2.31976	3.91127	2.95827	4.69135	5.29571	4.73125	2.10233	3.8429	2.80132	4.40775	2.73426	5.26233	5.41012	5.45936	3.04866
CCNK	5.36574	6.10475	5.81974	5.40398	5.74957	6.22501	5.95617	5.98878	5.36312	5.46187	5.96086	6.31325	5.89522	5.48393	5.99118	6.24911
CCNL1	5.91823	5.78301	6.49401	6.41424	5.93974	6.35513	6.11453	6.52544	7.11823	6.6495	6.61815	6.55858	6.30909	6.33896	6.26517	6.12863
CCNL2	7.15615	6.69937	6.79335	5.84978	7.53729	6.30501	6.27095	6.73498	5.86329	7.09339	6.85993	8.13794	5.91026	6.46131	6.57453	7.00878
CCNO	8.88182	8.45424	7.21202	7.79058	7.12499	6.92923	7.34597	7.81677	8.0931	6.92615	6.19367	8.07378	7.01519	7.65308	6.04515	7.27991
CCNT1	6.55858	6.2422	7.61653	6.80229	7.18953	7.20295	8.28122	7.66453	7.91644	6.11453	6.34809	6.9595	7.36045	7.65828	7.50897	6.76679
CCNT2	6.86811	6.77952	6.61943	6.63674	7.38342	7.27759	7.4647	6.48757	7.01673	7.04198	7.12767	6.08272	6.76605	6.8268	7.33152	7.1396
CCNT2-A	3.11441	3.28675	3.55141	3.44117	3.12473	3.18781	3.50564	3.85505	1.98342	3.00855	3.55809	3.4402	3.36189	3.12884	3.74409	3.39583
CCNY	6.96211	7.05342	7.09595	7.25848	6.46194	6.69578	6.84076	6.59858	6.8232	7.08016	6.93472	6.78574	7.06583	7.00157	7.04754	7.0163
CCNYL1	5.98662	6.71717	7.24245	6.84518	7.09987	7.28682	7.26483	8.44931	7.4156	6.53241	7.88778	6.95926	7.25848	6.8177	7.17953	7.292
CCNYL2	2.83473	4.80261	4.10455	5.11677	5.21228	4.9311	5.36059	5.37804	4.06039	0.5704	3.05202	4.72621	4.96673	5.3792	5.63274	5.17323

CCP110	6.07744	4.89066	6.65877	5.6952	5.44608	5.23625	5.43934	5.02104	6.00176	5.45613	5.12426	5.62022	5.87687	5.76261	5.75554	5.77442
CCPG1	6.21501	5.59687	7.51529	7.12006	6.56339	5.91118	6.24397	5.65668	6.818	6.72319	6.43003	5.58361	6.51344	6.35603	6.52564	5.96804
CCR1	6.94115	7.8583	8.53091	7.17866	7.91358	7.79072	7.25476	8.87664	8.51258	6.93789	9.08964	7.47778	8.28436	7.25522	7.77186	7.81452
CCR10	3.09851	1.9808	2.39414	2.31308	3.95816	2.69944	3.64382	2.04007	4.17624	4.60892	4.04026	4.92917	2.04398	2.05268	3.86469	1.92725
CCR2	6.11372	6.43909	6.6076	6.97213	6.22768	6.76518	6.71374	7.72349	7.02233	6.67121	7.15739	6.71592	6.37629	5.91054	6.72985	6.19018
CCR3	5.21864	3.3786	4.08953	4.12191	5.25573	4.12592	3.64382	3.90071	2.58986	3.47656	5.42382	5.98895	3.62729	4.95783	4.44094	4.01765
CCR4	4.91054	4.85013	4.07777	3.8167	5.12769	3.98206	4.43758	5.38422	5.33269	5.01601	5.45177	3.26763	5.62541	5.08103	5.08582	4.1998
CCR5	8.56052	8.72779	10.4412	9.46237	9.42873	9.83019	9.08563	10.7357	10.1246	7.3201	9.85394	9.26758	9.43955	8.09518	8.87708	9.12925
CCR6	2.27273	7.85599	6.53878	6.19869	6.18966	6.50096	2.83966	5.06322	7.09717	2.61134	3.09709	6.95444	3.51845	4.4695	6.53737	3.7297
CCR7	7.55949	8.84762	8.38858	8.75206	8.68521	8.61181	7.08815	8.69194	8.39534	5.04609	8.4476	9.31733	8.27429	7.02171	8.55828	8.5483
CCR8	2.88015	3.96497	4.30526	3.06525	3.52527	3.73699	2.73211	3.10948	3.00175	3.57327	2.41572	3.61408	2.54194	2.88516	3.01721	2.12859
CCR9	4.71569	5.93821	5.88036	5.9905	5.91335	5.54525	6.14478	5.34947	5.38276	5.33725	5.58837	5.88076	6.18589	5.43328	5.64618	5.96219
CCRL2	3.51548	5.54715	6.37318	5.11677	6.81365	5.34835	2.96225	7.06274	7.84645	3.72029	8.29809	5.65233	7.50856	3.70919	6.14947	6.5267
CCRN4L	4.4489	5.62225	4.79653	4.90967	5.71853	5.95721	6.47407	5.58425	5.33954	5.23893	5.82616	5.7588	5.859	4.9771	5.9262	4.70049
CCS	7.66901	8.16905	8.39281	8.21957	7.80837	8.70805	7.11689	7.00217	8.35528	8.76878	8.0387	9.49953	8.49992	8.56411	8.01435	7.72665
CCSAP	4.13479	4.36139	5.03472	5.05781	4.98595	4.19082	4.0662	4.87039	4.88861	5.64828	4.91247	5.0631	5.75395	4.54689	4.20427	5.06279
CCSER1	3.26635	4.37518	3.19256	3.52553	3.52527	2.51251	3.8062	6.03916	4.23358	3.21812	3.43836	4.6561	3.66589	3.60186	3.7606	3.57557
CCSER2	5.84343	6.27917	5.86557	5.7148	6.32694	6.10444	4.80009	6.09718	6.16959	6.23972	6.65808	5.66921	4.97435	5.37344	5.58532	4.95264
CCT2	8.32521	6.93962	7.23313	8.10791	8.63028	7.65794	8.63421	7.80406	7.20184	7.39156	8.46227	7.09167	8.32414	8.93046	8.0875	8.40497
CCT4	9.13921	8.90341	9.14095	9.30096	9.35677	9.42873	9.91603	9.57255	9.50261	9.20378	9.18052	9.26078	9.33546	9.71027	9.39051	9.55087
CCT5	6.38407	5.76823	6.85804	5.86108	7.61077	6.42972	7.12799	6.42092	7.15001	6.1126	7.65946	6.61308	6.44275	6.90322	7.17743	7.29639
CCT6A	8.84532	8.78708	9.14447	8.65431	10.7308	9.81024	10.1781	9.81607	9.9611	8.93046	9.93446	8.9415	9.49286	10.1581	10.8755	10.3635
CCT6B	7.12487	7.15042	6.67771	7.0755	7.71341	7.04386	6.75886	7.23174	7.14627	8.2853	6.5954	6.93376	7.54516	6.69776	7.1062	7.38917
CCT7	9.50044	9.88929	9.45199	9.6066	10.1739	10.3563	10.389	9.69292	10.2227	10.0139	10.3013	10.3441	9.55087	11.0563	10.6273	10.2856
CCT8	7.16569	8.08406	7.49517	8.36968	8.01756	8.18753	8.77063	8.15997	8.29592	7.02137	7.71299	7.60818	8.05665	7.37019	7.56186	8.28887
CCT8L2	2.37329	1.67217	3.04356	3.32481	1.69898	2.21366	2.15094	2.04007	2.50218	3.78199	2.64984	2.55562	2.10686	3.3814	3.10868	2.04035
CCZ1	6.455	6.60847	7.66664	6.8987	6.29119	6.86503	7.10208	7.19982	6.87848	6.73948	6.98458	7.06113	6.89989	6.77836	7.11869	6.32291
CCZ1B	5.46677	4.85013	5.88397	5.38794	5.50605	5.66243	5.67516	5.43993	6.55232	4.81582	6.02526	6.20784	6.77034	5.02586	4.94373	5.40583
CD101	5.98617	6.25165	6.23263	6.14323	5.98219	6.25222	6.08317	6.21158	6.42817	6.0856	6.31766	6.06544	5.14562	6.46694	5.87195	6.09555
CD109	5.15717	5.45177	4.89312	4.58428	5.79198	5.10272	6.15893	5.50313	7.07704	4.50648	7.02978	6.47531	5.77414	6.95554	6.17732	4.67276
CD14	4.98404	6.52383	7.97105	7.24855	7.29172	8.11291	5.79486	7.92399	7.88884	7.8789	9.25053	8.73603	7.77398	7.44685	7.96005	7.78878
CD151	8.48075	7.83799	8.04821	7.65178	7.42409	8.09556	7.67064	7.57724	8.02161	10.1529	8.19842	9.25053	8.00126	7.67409	6.98769	7.82261
CD160	7.72138	7.76017	7.61809	8.74665	6.71434	6.97485	6.94509	7.89111	7.55544	7.42028	9.17193	6.89972	6.73533	6.94509	6.79512	6.60839
CD163	5.95163	7.11435	8.56052	7.54165	7.85734	7.63825	6.65907	8.29264	7.92068	6.42092	10.0103	7.12996	7.12767	6.86964	7.24167	8.11303
CD163L1	6.61138	7.56326	8.0913	8.47386	6.8411	7.68272	7.20465	7.47646	6.05243	7.59141	7.1559	7.78067	6.94188	6.93406	6.90821	7.28867

CD164	9.25156	8.80792	9.14959	8.91149	8.94892	8.88035	8.20175	9.15368	9.21594	9.03052	9.04808	8.80228	9.40525	8.26204	8.49421	8.64803
CD177	7.07381	7.86658	7.28638	6.85409	6.93736	6.29873	6.71311	7.20142	6.92074	6.99677	6.76172	7.0472	6.49114	7.81222	6.39379	5.46062
CD180	4.84143	4.55696	5.8266	5.65354	3.78235	3.84347	2.98815	5.00561	4.51187	3.93408	3.88263	4.3216	3.12086	4.65943	4.07595	3.53602
CD19	5.64371	7.13317	4.75907	6.71359	6.52531	6.94902	2.53476	5.70221	7.36739	2.77263	3.35206	7.74251	3.51845	2.09344	4.22367	2.38828
CD1A	5.02649	6.17538	6.37144	6.40106	6.54152	7.02275	8.396	6.42707	6.03712	6.54702	5.8034	7.62582	7.8236	8.84762	9.76707	5.21582
CD1B	3.77751	4.81438	6.33645	6.45894	4.6615	5.43669	2.58845	4.25669	5.98188	3.53934	3.14656	5.6566	3.65598	6.08974	7.50132	3.29988
CD1C	8.17734	9.01348	8.27662	8.94713	7.73665	8.39515	7.4383	8.1556	8.11142	7.90044	7.50195	8.23953	7.72919	8.10408	8.30082	7.04899
CD1D	2.61145	7.04386	5.52187	4.84374	3.01001	3.98206	2.0296	3.0481	3.6241	2.80132	3.64053	2.38821	3.28382	2.83991	2.07498	4.12557
CD1E	2.35977	3.51167	3.71004	3.85196	3.49121	3.81013	2.22165	2.82657	4.29377	2.40494	2.22886	3.73314	4.47054	3.33112	4.5785	2.00288
CD2	8.51297	9.02378	9.81254	9.39209	9.90043	9.37224	8.48129	10.509	10.6607	7.77899	8.2345	9.43871	9.18613	8.49182	9.62568	9.32203
CD200	5.52175	4.82189	7.31362	6.30808	7.93728	6.74902	7.33012	6.7551	6.67173	6.89356	6.06352	6.42442	7.18309	6.97241	8.19149	7.21675
CD200R1	4.63799	4.59609	4.61091	4.5349	4.91361	4.91131	5.6902	5.45677	4.39454	4.2998	4.60821	4.59267	5.15076	4.74631	4.38415	5.11909
CD207	3.87518	6.05319	2.70549	5.04161	2.18367	3.73699	6.7273	3.10948	3.87677	4.23056	2.6113	3.92989	3.46411	6.39199	8.30721	3.48415
CD209	6.18726	6.14076	6.48682	6.3999	5.91964	6.38805	6.03933	6.69878	6.17289	6.46905	6.22582	6.1213	6.19338	6.08615	6.23199	6.05425
CD22	4.75687	5.09699	4.65232	4.57279	4.43638	4.69384	3.98126	4.30301	4.47054	4.1368	3.65386	4.50625	3.99805	3.98645	3.86942	3.5404
CD226	6.24052	4.93789	5.70605	4.85873	6.25003	6.84972	5.81553	6.87678	6.36066	3.58913	5.75916	5.75818	4.78966	5.71111	5.75891	6.01582
CD24	10.8755	10.6549	9.92274	10.3635	10.794	9.98814	10.3833	10.3045	10.6549	10.7652	9.81371	9.19001	10.7105	10.4743	10.3013	10.783
CD244	4.57997	4.54628	4.63704	3.29459	3.40306	2.94481	3.2112	4.39716	4.94447	2.46016	6.30709	4.12287	4.30055	3.30262	2.73907	3.86418
CD247	7.19814	8.14717	8.0775	8.25829	7.9141	8.24973	4.69773	7.75166	8.39691	4.97034	8.62066	8.87358	7.70439	7.37995	7.69997	7.45362
CD248	7.10194	7.43307	7.89942	6.66985	7.16995	7.82767	6.33327	7.34672	6.92808	8.02477	7.53557	7.76155	6.83067	7.4647	7.86541	6.64176
CD27	7.71129	7.94351	8.88247	9.4325	8.27429	8.17578	7.51605	8.24318	8.45576	7.82923	7.42167	9.4359	8.02382	7.40581	8.20748	7.78021
CD274	6.41991	7.66483	8.3403	7.22787	8.29715	8.55452	7.09664	9.01134	8.06218	7.08078	9.20892	7.96861	8.42443	7.07111	8.07334	9.06823
CD276	4.75823	4.9311	4.97087	4.39426	4.73321	5.23264	5.8635	4.86793	4.95564	5.04772	4.51121	4.98831	4.87712	5.04313	4.99264	4.51964
CD28	4.51562	4.16273	4.84606	4.48131	5.28666	5.7541	4.95919	5.85558	5.30988	3.86625	5.45508	4.64607	5.00736	4.63576	5.16305	4.60801
CD2AP	6.66036	6.78513	7.4188	5.38983	7.16727	5.76673	5.40326	5.96484	6.86345	7.1961	7.05317	5.80461	6.35913	6.40719	5.86411	7.28627
CD2BP2	8.33216	8.29662	8.42675	8.22214	7.83154	8.5278	6.88541	7.54269	8.17578	7.66822	8.10055	8.89445	7.83449	7.88588	8.14751	7.7389
CD300A	3.91319	4.56077	4.99763	4.91481	4.4107	4.77076	3.77565	4.25176	3.91797	3.59691	4.1099	4.87993	4.63606	3.86957	4.14041	4.10265
CD300C	5.90876	6.47918	6.32366	6.31515	5.97782	6.1132	6.26604	6.63886	6.01991	6.51929	6.44799	6.34758	6.55779	6.71149	6.19683	6.62746
CD300LE	5.64954	5.10724	5.63391	5.44837	4.72236	4.85914	6.44292	5.68579	6.07687	5.88699	5.31895	6.6589	5.12587	5.76729	5.94721	6.23354
CD300LF	3.66681	5.60909	6.17878	6.77874	6.08093	7.14295	4.28532	6.83673	8.33277	3.70919	8.06265	6.72816	7.43046	4.06652	6.14467	4.30978
CD300LC	4.06531	5.06815	4.874	5.63291	5.27173	5.58748	5.28291	5.41489	5.09798	5.49101	5.06859	5.24588	5.19619	5.00815	5.46637	5.32805
CD320	5.81304	6.60667	5.31006	5.5987	6.39579	5.92343	6.07864	3.88575	6.19282	6.34698	6.5943	7.22425	6.95202	6.39672	5.50296	6.8721
CD33	3.73406	3.73984	3.48538	4.89975	3.55491	3.94666	3.42552	3.49069	3.59405	3.73393	4.3412	4.4613	4.15694	4.08394	3.60386	4.16516
CD34	6.74745	4.73279	2.95766	6.16304	5.99873	5.82175	5.74842	5.73312	6.63021	6.79978	6.07883	4.75713	6.36158	6.10779	5.49854	5.5306
CD36	4.26501	4.89377	5.17376	4.85179	4.55822	5.1794	5.08271	5.95336	5.65243	5.00815	5.95336	4.8258	5.12813	4.83168	5.46967	4.68339

CD37	5.57201	6.02526	5.77343	5.61824	5.17033	6.19859	5.05252	4.37155	5.32208	4.82683	5.9283	6.64834	4.47486	4.72387	5.07126	5.53362
CD38	6.60644	7.45005	8.75124	7.31697	6.79861	6.74706	5.54226	9.50744	8.31916	7.36913	8.68694	8.66141	7.03819	6.93602	6.8872	6.70583
CD3D	8.77241	10.1423	9.92568	10.7652	10.2771	10.5225	8.89445	10.6854	10.9586	7.77471	8.2838	10.3603	10.389	8.50217	9.67664	9.85932
CD3E	3.62466	3.03524	4.78184	3.79536	5.03761	3.8659	3.74769	5.62474	7.46824	4.10188	4.19874	3.83791	4.0405	3.75913	5.60835	3.62113
CD3EAP	6.2054	5.70016	5.1832	6.7248	6.80229	6.86307	7.1855	8.00842	7.27186	7.07159	7.42256	6.93537	6.80553	6.99346	6.70223	7.34787
CD3G	6.92615	6.97727	8.02325	8.39497	8.02662	7.88862	6.26996	8.55229	8.14486	5.14584	6.77193	7.79386	7.41439	6.30722	7.72891	7.49325
CD4	4.38674	3.33748	3.47481	4.55172	5.34383	3.03738	4.64981	4.70238	5.85003	5.82506	3.2376	4.94472	3.76552	5.95929	4.06207	3.42644
CD40	6.08375	6.3057	6.642	6.22886	6.82876	6.05903	6.4679	6.49246	6.75593	5.98501	6.93502	6.07154	6.36574	6.13753	6.08574	6.00778
CD40LG	4.78908	5.91431	4.06856	5.41994	3.50802	6.06363	4.98886	6.25369	5.13985	3.7682	3.18189	4.88247	4.26368	6.03389	4.81291	3.71736
CD44	6.20838	6.45163	6.51291	6.67073	6.80329	6.65971	6.79214	6.48263	7.03719	6.57468	7.06828	6.29917	6.77582	6.69377	6.51208	6.59516
CD46	6.81474	6.69517	6.78637	6.08351	7.11908	5.67833	6.37053	6.92778	6.57993	7.24319	6.87053	6.11965	6.29956	6.36727	6.04166	6.85834
CD47	6.49429	7.68518	7.51854	7.25418	7.46213	7.363	7.4188	7.46368	7.65128	7.69422	8.33334	6.9731	7.76388	7.22695	7.66255	7.49227
CD48	6.76094	8.04873	8.08673	8.60896	7.27807	8.10173	5.95223	7.60146	7.84068	5.15143	8.00305	7.66727	6.17538	5.62362	7.07111	6.76443
CD5	4.67601	4.1422	4.06587	4.08223	4.10961	3.99432	4.02672	5.88064	5.63291	4.24058	4.74517	6.7602	4.87993	4.80845	5.38078	4.45148
CD52	8.9171	10.7267	9.77064	10.5665	10.0778	10.2113	7.80469	8.66913	10.0342	7.76849	8.10456	9.68695	9.75979	7.84726	9.19438	9.42229
CD53	6.03191	6.09904	6.62473	7.06524	6.58737	6.73498	5.04602	6.24479	6.89606	5.94456	6.53804	6.02133	6.51968	6.42535	6.66101	6.43854
CD55	9.49156	9.32986	8.73519	8.07707	7.33702	6.39896	7.15768	7.96217	7.54351	9.36239	8.09518	6.89264	6.87019	6.58818	6.97441	8.32089
CD58	4.45447	5.05513	6.09691	6.23412	6.86317	5.51648	5.6503	6.25692	6.10884	5.34934	6.72233	6.06026	6.77172	5.53424	5.86136	6.56066
CD59	10.6233	9.74393	9.7488	10.1246	9.71214	9.51037	9.48779	8.65576	9.08827	10.6607	9.15028	9.47711	9.07924	9.24862	9.21392	8.91149
CD5L	4.39937	5.52577	4.21177	6.52709	4.17502	5.83799	5.13757	4.79259	3.97161	6.50329	5.7354	5.30957	5.27879	6.76962	5.83438	6.47888
CD6	5.43894	5.24995	5.51058	5.782	5.24833	5.21589	5.38452	5.77746	5.85187	4.98786	4.67471	5.56679	5.32145	5.63587	5.54898	5.16102
CD63	12.2366	12.0504	12.6201	12.2837	12.1851	12.4159	11.7002	11.8	12.3111	12.4159	12.6201	12.5183	11.5015	12.3491	11.9498	11.9321
CD69	7.63154	9.43176	9.4807	9.47897	9.73065	8.9415	7.35212	9.07607	9.75827	6.85982	9.31971	8.50291	8.36051	6.91486	9.02178	8.92659
CD7	6.16058	6.28381	6.687	6.04631	6.67366	6.55414	6.97145	6.50074	6.99123	6.31578	7.15229	5.97716	6.65556	6.55613	6.49499	6.2778
CD70	6.35366	6.12371	6.61905	6.6362	6.96882	6.40279	6.69086	6.48178	6.14545	6.36658	6.37283	6.86749	7.13471	6.23714	5.97678	7.165
CD72	5.33339	7.54165	6.60946	7.00671	6.69648	7.19222	5.63956	6.55748	6.93568	6.10884	7.29944	6.95764	5.5537	5.79284	5.47823	6.76772
CD74	6.7903	6.47754	7.14589	7.1117	6.85143	7.07656	7.16285	8.46478	7.38556	6.68041	6.89588	7.059	7.06652	7.02866	7.28473	7.52923
CD79A	7.2883	7.99147	7.97191	8.09695	6.95233	7.36877	7.19095	7.26483	7.74945	7.42093	6.43871	7.42501	6.86793	7.36846	7.00568	6.94842
CD79B	7.61408	7.87861	7.67213	7.61518	7.28322	7.64471	7.84068	7.91573	7.1885	7.51081	7.14679	7.73143	7.58033	7.43511	7.39494	7.75653
CD80	4.65137	5.24647	5.9769	5.3543	6.11019	5.61959	5.09944	6.72093	6.52006	5.51756	6.72579	6.02751	6.86253	5.66285	6.21843	6.76466
CD81	11.8493	11.5856	11.9018	11.297	10.6769	11.2075	10.2667	10.4519	11.5856	12.0147	11.5206	11.741	10.9018	10.8755	11.0928	10.8573
CD81-AS	5.59803	4.00768	4.59156	4.88004	3.64173	3.76182	3.82687	4.45148	5.74444	4.5797	5.20037	4.08018	5.33097	4.44205	4.67029	5.76889
CD82	8.66141	7.73627	7.84521	8.88247	6.83089	8.61308	7.72117	6.24425	7.58648	8.10655	8.037	9.85394	7.90099	8.88693	7.71725	6.22938
CD83	8.63717	10.5665	9.7449	9.99653	10.0051	9.9611	8.37069	10.1542	10.3399	9.54637	8.56536	9.80267	9.88929	8.73434	10.5225	10.0495
CD84	4.52354	4.81568	4.77905	5.60707	5.10912	4.75713	4.3624	5.00425	5.46033	4.53756	5.5234	5.0545	5.02373	4.96224	5.54615	4.96357

CD86	5.33971	7.04973	7.28741	6.79938	7.32554	6.90541	6.31578	8.06308	7.5405	4.39545	7.81334	6.75031	7.45812	6.01546	7.14383	7.23519
CD8A	7.34628	7.8222	8.59531	8.11962	8.81366	8.34481	7.3188	8.81561	10.3045	5.16393	8.33456	9.20992	9.0046	6.45819	7.78475	8.84034
CD8B	1.26457	1.01454	1.52785	1.06683	1.73976	1.78116	1.85693	1.44837	1.39887	1.00522	0.81405	1.19537	1.82475	1.36152	1.40126	1.45205
CD9	7.31725	6.75866	6.09697	6.81351	6.95299	6.74201	6.98553	5.74862	6.60204	7.13673	6.39759	6.28	6.233	7.02888	6.39914	6.88815
CD93	5.81884	5.84166	7.60537	6.0495	6.27471	7.12889	5.56798	6.79839	6.41372	7.19095	7.23955	6.38216	6.2512	6.11841	7.07295	6.22568
CD96	5.66702	5.96635	6.62295	6.20107	7.03429	6.29404	6.31307	6.76219	6.36658	4.42874	7.25662	7.02582	6.53673	5.62045	6.4299	6.74803
CD97	7.27289	5.20259	6.60321	7.53953	6.33846	6.82178	3.87897	6.47688	7.04375	5.74224	7.58483	7.13384	5.23232	6.50827	5.93176	6.93418
CD99	9.41817	9.50744	9.3245	9.43955	9.47897	9.48636	7.67711	9.14361	9.22889	9.53098	9.03623	9.55522	9.11939	9.35677	9.00592	8.95283
CD99L2	4.93774	4.58244	4.61373	4.27584	4.75137	4.79506	3.96497	4.52222	4.92159	5.51648	5.12234	5.54686	4.18663	5.29959	5.01851	3.83194
CD99P1	7.03808	7.07841	6.21121	6.65166	7.96128	8.48158	7.66548	6.98472	7.40742	6.72676	6.7567	6.47354	8.05902	7.50924	6.76219	7.11008
CDA	1.92303	1.44837	2.00164	2.06899	1.93871	1.85868	2.63794	2.67421	2.35886	1.5458	1.98377	2.69934	2.17097	1.97057	1.44837	1.80953
CDADC1	5.77971	6.21331	6.62321	6.65613	6.03045	6.57488	5.94284	5.74209	5.49916	6.54472	6.66401	6.64239	6.4202	5.87547	5.99832	6.46864
CDAN1	4.62405	4.23734	4.66895	3.87518	4.53	4.81157	4.56572	4.41097	4.92787	5.10366	4.90215	4.54325	4.307	4.74277	4.75855	4.56108
CDC123	8.99254	9.40267	9.13351	9.82345	8.95735	8.77929	9.47426	9.00702	9.08092	8.10362	9.22763	9.18052	9.44929	9.77064	9.51497	10.1842
CDC14A	3.68688	4.34703	4.32453	4.41679	4.12115	4.41311	3.87043	3.46252	4.25033	4.35456	4.53092	4.08804	4.02452	3.45549	4.28687	4.54756
CDC14B	5.71171	5.76574	5.5837	5.14845	5.66827	5.60742	5.51869	5.86766	5.30604	5.54389	5.01511	5.47192	5.49443	5.12034	5.26698	5.56043
CDC14C	3.58775	-1.4826	3.63509	1.85049	3.70286	3.85447	1.91146	4.33496	1.00765	4.4261	2.64984	3.41704	0.35046	4.16905	0.11027	4.57163
CDC16	9.21594	8.69689	8.5744	8.57946	8.64603	8.85032	9.03003	9.4807	8.59168	9.19156	8.55961	8.46562	8.1697	8.60654	9.08188	8.78995
CDC20	5.73664	5.91749	5.42204	4.02962	6.48536	6.51983	7.22111	6.57849	6.31673	4.22052	7.44986	6.96726	7.19075	6.82116	6.16815	7.15703
CDC20B	6.20232	6.36841	5.35145	5.83248	4.98359	4.4489	5.60443	4.06918	5.36285	4.28615	4.64638	5.08115	4.43096	4.71667	4.40463	4.92195
CDC23	6.62196	6.92808	6.89588	6.91292	6.8352	7.16101	7.30859	7.42501	6.88011	6.55613	7.8419	6.53507	7.26944	6.98343	7.29733	7.13673
CDC25A	4.74035	4.51886	4.68622	4.03667	4.76471	4.87431	5.33553	5.37964	4.70148	4.0846	6.29614	4.77643	5.55676	5.22343	4.79167	6.29235
CDC25B	8.25096	8.8528	8.92776	8.53635	8.5495	8.94055	8.96044	9.09316	9.15368	8.41616	9.78173	9.61505	8.57193	8.41189	8.92819	8.14451
CDC25C	3.85851	4.31215	4.06695	4.37651	4.10188	3.97756	4.42101	4.46555	4.33276	4.59806	3.97756	5.3531	4.20975	4.25587	4.24673	4.39747
CDC26	8.41413	8.06823	8.34814	8.95735	7.55185	9.19557	7.44743	8.73519	8.64857	6.96952	8.97179	7.92317	9.12997	7.60563	7.67312	7.56356
CDC27	5.94952	5.72497	6.71256	5.9621	6.52082	6.39825	6.03781	6.42302	6.49883	6.0519	7.21191	6.30176	6.0757	6.53843	6.94208	6.36829
CDC34	6.07014	6.13804	5.77513	5.77997	5.4309	5.74475	5.55865	4.02774	5.64142	5.84049	6.25794	5.73937	5.72755	6.36534	5.67968	6.09252
CDC37	6.62448	6.04465	6.21767	6.40922	5.82627	6.20767	2.96225	2.04007	2.50218	6.53433	7.07592	7.8854	6.54757	7.53403	5.16539	6.30604
CDC37L1	6.5815	6.3979	6.0054	6.13951	6.30648	6.37229	4.97312	5.53579	6.06384	6.09333	6.11334	5.62336	5.38217	6.06992	6.09404	7.09849
CDC40	6.44405	6.2675	6.29156	6.82523	6.29418	6.82071	6.98119	6.52472	6.56296	5.62694	6.87781	5.82532	5.88528	6.5515	6.951	7.4188
CDC42	7.29311	7.24828	7.47497	7.50206	7.04241	7.29519	7.2117	7.01158	7.17743	6.8975	7.52006	7.06144	7.27505	7.15229	7.18221	6.87241
CDC42-I	5.63823	4.9984	6.34544	5.8045	5.7079	5.87276	6.05744	5.81525	6.13377	6.32955	5.1374	4.79894	5.42917	5.44628	5.43322	5.91883
CDC42BI	5.73855	5.88635	5.41899	5.36602	5.32594	5.22468	6.21586	5.70357	5.32375	5.70671	5.39225	5.53039	5.2068	5.57221	5.48228	6.36201
CDC42BI	3.9561	3.57654	3.9598	4.89126	3.68375	4.45614	3.483	4.00373	4.46753	5.4555	4.23968	4.12862	4.25827	4.01858	4.52704	3.46635
CDC42BI	5.93233	6.25512	5.59779	6.54303	6.19313	6.07925	6.44405	6.10144	5.99097	4.96966	5.92	5.74677	6.13885	6.52859	6.47083	6.45868

CDC42EI	5.98777	6.15228	6.85143	6.39626	6.33199	6.59049	5.9345	6.091	5.52833	6.82394	6.00277	4.85959	6.84849	6.44906	5.71939	6.32848
CDC42EI	5.40961	5.71395	4.71878	5.04496	4.90672	5.08271	5.4942	5.77997	5.43894	5.32208	5.61894	6.11045	5.50917	5.7454	5.25231	5.3962
CDC42EI	5.58126	6.7557	6.38946	6.84633	7.62531	7.19719	7.62638	6.26246	6.83716	6.63674	6.57101	5.72807	6.63598	7.97302	7.03111	7.09664
CDC42EI	6.36201	6.37377	5.96086	5.9209	7.0461	6.2577	6.74684	6.49817	6.11433	5.82082	5.60443	6.24852	6.67266	7.82061	6.58949	6.8181
CDC42EI	8.25993	8.93549	7.68546	6.96795	6.20362	6.60829	6.5522	6.67312	8.53718	9.4567	7.38734	6.68208	4.48458	6.24025	5.04161	6.93537
CDC42SI	7.12084	7.59042	7.57994	7.40819	7.7042	8.0931	8.07707	8.18148	8.20228	7.33012	7.60658	7.69659	7.84813	7.96656	7.96786	7.87124
CDC42SI	5.56217	7.14735	7.41297	7.33255	8.19193	6.61459	6.09404	6.69561	7.88441	6.63499	7.84726	7.276	7.83883	5.93876	7.22111	6.81089
CDC45	6.14693	6.94411	5.17033	3.49407	6.98442	6.15334	6.73729	6.33978	6.81622	4.29458	7.41136	6.77663	6.97441	7.32914	6.8226	7.30766
CDC5L	5.58593	5.93974	5.75547	5.69224	5.98768	5.21894	4.88575	5.65011	5.72249	5.03438	5.77513	6.28689	5.90396	5.08531	5.68283	5.588
CDC6	5.69615	5.48228	5.33258	5.27219	6.15085	5.61508	6.16627	6.47803	6.19018	5.75236	6.72429	5.55283	6.39176	6.39062	6.27345	6.38914
CDC7	6.95437	7.269	7.58328	6.99261	8.42675	7.92317	8.83478	8.62416	8.1821	6.82917	8.7993	8.00182	7.95615	7.24112	7.68272	7.6831
CDC73	6.99931	7.1641	7.40154	7.30197	8.26942	7.27186	7.14001	7.06551	7.11489	6.9415	7.82446	6.93914	7.92001	7.13935	7.83082	8.10994
CDCA2	3.23142	4.51459	4.06947	2.91059	4.73675	4.55632	6.67771	5.0817	5.13806	2.55804	6.52891	5.10935	6.41685	4.98595	5.11002	6.31746
CDCA3	5.35492	5.43485	5.244	5.44592	6.89843	6.43544	6.39634	6.06906	7.17279	5.88708	7.24036	6.99644	7.26448	6.52193	6.78271	6.80329
CDCA4	7.41577	8.19479	7.58784	7.67728	7.93338	8.11962	7.62165	8.41962	8.50194	8.0372	8.51084	8.65544	8.50217	7.49411	8.04669	8.72194
CDCA5	6.60839	7.50708	7.58328	4.67088	7.68174	7.84852	8.72628	8.17759	7.56512	6.32441	8.07018	7.52624	7.65355	7.98293	7.70895	7.79105
CDCA7	7.10505	6.82812	7.10829	6.69613	7.48719	6.80002	7.92769	7.20816	7.37708	5.83049	7.30666	7.44642	7.81773	7.15193	7.65726	8.68947
CDCA7L	10.2341	10.1813	9.06394	9.43764	9.46931	9.73676	9.64026	8.81472	9.51355	9.18613	8.13277	9.78849	9.67	7.97984	9.30916	9.59898
CDCA8	3.44273	4.52696	4.32665	2.98748	5.78811	4.64929	6.11518	5.20645	4.32665	3.94629	7.26814	3.79097	4.72718	4.38727	5.0222	3.79382
CDCP1	5.57221	6.06758	5.31111	5.74427	4.64564	5.49973	5.69738	5.68888	5.67359	4.92858	6.07712	5.25825	6.32869	5.33145	5.9455	5.80388
CDH1	8.05054	7.7461	6.84402	6.58362	7.03044	7.50184	6.89144	6.56847	6.61504	8.24077	6.77933	7.43605	7.08097	8.28309	6.86192	6.95611
CDH10	7.095	6.7905	7.37346	7.38059	6.78863	6.99294	6.9262	7.46877	6.74939	7.28032	7.02223	6.98409	7.42962	7.1474	7.32373	7.23189
CDH11	4.98595	5.15365	5.80526	4.89146	5.60583	4.85711	4.48662	5.24111	4.43135	5.27844	5.68517	4.98595	4.94408	4.86331	4.88285	5.08149
CDH12	6.53172	6.66476	6.51199	6.55019	6.43248	6.03673	6.13608	6.0882	5.75916	5.73855	5.69572	5.85641	6.23157	6.47317	5.79184	5.37077
CDH13	4.13997	5.26171	5.50973	6.51033	6.22371	7.148	6.64337	5.20645	4.27526	6.06084	6.26354	4.44519	5.85266	6.24639	4.61047	4.52926
CDH15	5.28791	4.93559	4.30829	4.09367	4.75769	4.80655	4.0977	5.10201	4.53287	4.80362	4.75315	5.01906	4.55677	4.77367	3.88289	4.33712
CDH16	1.54854	1.62441	1.73976	1.77186	1.69898	1.68859	1.24246	1.67907	1.76451	1.69907	2.48014	1.69916	1.22969	1.72157	1.44837	1.77343
CDH17	5.9357	6.62658	3.69005	3.61465	6.11965	5.54219	3.0573	6.22394	6.03198	3.09196	5.3421	6.581	5.63647	6.22411	5.6169	5.97245
CDH18	4.33259	3.53745	3.26549	3.02476	3.03309	3.03288	4.26699	4.03916	3.60923	3.75611	3.69464	2.79123	3.12086	3.54384	3.47504	3.6836
CDH19	4.96394	4.82763	5.05573	4.98524	4.23617	4.32602	5.04268	4.389	3.93967	7.19246	4.54546	4.51282	5.25011	4.23895	4.18642	4.69482
CDH2	5.97649	5.20104	5.20282	3.71527	5.01527	7.0851	3.84226	5.49192	5.78073	4.58359	5.24618	4.27526	3.8116	4.74107	5.27686	4.09067
CDH20	5.0773	3.03524	3.32481	3.04143	3.24511	4.48115	4.97647	1.83717	2.61941	4.56572	3.28741	2.76999	3.37673	3.36587	3.12323	5.01962
CDH22	7.25476	6.30117	7.12205	6.95167	6.25061	6.81587	6.52354	7.14036	6.58362	7.34016	6.9948	7.0572	7.26516	6.17076	6.76542	6.85595
CDH24	5.63879	5.31293	5.14061	5.57066	5.79645	6.0737	5.06359	5.56798	5.94594	5.18485	5.69455	5.63752	6.87204	6.22659	5.25786	5.53516
CDH26	5.77997	5.49803	4.81196	5.50757	4.06156	4.32063	3.88359	4.57451	5.14507	4.26515	4.65329	4.84501	4.29893	4.24993	4.24019	4.44041

CDH3	7.8321	7.30538	5.37462	6.8648	6.75209	5.77015	5.57489	6.37566	6.10182	6.19774	7.8018	5.83259	5.82474	6.17219	5.50096	6.78628
CDH4	5.13011	5.16393	4.63956	4.31399	4.50625	4.37724	4.26297	4.54077	3.9751	3.40389	5.24136	5.00374	4.94577	4.69141	4.23968	5.26908
CDH5	7.3737	6.88208	8.60625	8.09628	7.47156	8.1697	7.66624	8.57641	7.06794	8.76316	7.97095	8.24645	7.47043	7.41022	8.10241	7.24015
CDH6	4.73125	4.78664	5.14845	4.70927	4.68708	5.1459	5.41468	5.25807	4.82835	5.29914	4.66132	5.15526	4.96072	4.87172	5.22765	5.0963
CDH7	3.28974	4.41044	3.66246	3.82451	3.87225	3.07422	2.74971	3.29806	2.72468	2.65173	3.08893	2.70831	4.16421	4.14815	3.31171	4.3919
CDH8	4.10106	4.8578	5.21762	4.61408	4.52964	5.44072	4.8012	4.96752	4.87189	4.64638	5.29562	5.30102	5.02104	4.36302	4.54726	5.35851
CDH9	2.13523	2.77081	1.64561	2.184	2.71531	1.995	2.58845	2.731	1.1038	2.42411	3.18189	2.73426	2.7137	3.34999	2.04035	4.85873
CDHR1	4.73969	3.50071	4.68824	3.97307	3.56237	3.24928	3.56531	4.64863	4.09619	4.98577	4.70445	4.02048	4.55504	4.97599	4.47874	4.75008
CDHR2	7.019	7.76234	7.30554	7.28084	6.53612	7.20233	7.29078	7.41008	7.41264	7.34263	7.06663	7.18124	7.21396	7.40581	7.15754	7.36632
CDHR3	10.0342	8.14486	7.48581	8.77123	6.95493	6.85927	7.40032	6.581	7.44541	4.92065	5.56504	7.63154	6.57101	6.28188	6.65525	5.50313
CDHR5	3.77354	3.27608	3.41769	2.82104	3.50377	2.71114	3.09687	3.20069	2.77897	3.40772	3.06011	2.63869	3.71057	3.40487	2.68743	3.54227
CDIP1	5.27534	6.77286	5.87709	5.65192	6.79793	5.52441	6.06866	5.40179	6.15584	6.51642	5.85947	7.00766	6.51269	6.04592	7.36913	5.22673
CDIPT	10.1542	10.2341	10.3603	10.0919	9.89772	10.8054	9.8758	10.8755	10.617	10.6686	10.1153	11.1909	9.99925	10.149	10.1842	9.89582
CDIPT-A	4.6779	4.69357	4.39825	4.70807	4.68071	4.5181	2.90726	4.95679	3.86642	4.81582	4.8882	4.85258	5.13767	4.84227	4.6804	5.12161
CDK1	5.40541	6.29418	5.40541	5.76327	6.44906	6.01587	6.08093	5.73685	6.00397	4.89352	7.22861	5.34812	7.13792	7.16225	7.22377	7.35339
CDK10	5.54464	5.14958	4.82547	5.60785	6.04185	5.8846	5.63395	5.78258	6.40989	6.13739	5.94952	7.34773	6.42415	6.38857	5.11528	6.10464
CDK12	6.5877	6.52891	6.57401	6.6827	6.94396	6.87531	6.59326	6.76788	6.66349	6.43003	6.80448	6.62196	6.9415	6.70305	6.81974	6.65014
CDK13	5.7441	5.935	5.9262	6.22938	5.68466	5.81398	5.74348	5.60113	5.20037	5.57434	5.53472	5.53161	5.43984	5.99921	5.94835	5.95408
CDK14	6.82648	7.37813	7.30458	7.00117	6.9961	6.65734	7.4919	7.5514	7.11463	6.55633	6.64834	6.93448	6.65595	7.08393	6.77908	7.46791
CDK15	4.31127	5.29075	5.01713	4.35267	4.44519	4.41214	4.51245	4.95856	4.80326	5.0435	4.63727	5.43961	4.97617	5.21738	4.74517	5.1794
CDK16	6.23354	6.3185	5.949	6.18379	6.12673	6.49328	7.03265	6.70673	6.73353	6.61672	6.93323	6.92291	6.52505	6.59326	6.76951	6.49499
CDK17	5.82134	6.46724	7.65946	7.28961	7.2851	7.52301	7.45568	6.13436	6.84575	6.73828	7.27934	6.07804	7.26381	7.30197	7.60105	7.62734
CDK18	3.98673	3.27087	3.19256	3.94629	6.5702	5.83799	4.935	7.54382	5.89594	4.0807	4.67727	7.4042	3.02655	6.08539	6.36505	4.52926
CDK19	4.71298	4.89403	5.12344	5.00335	5.06066	5.70847	5.12258	4.48281	5.3226	4.86873	5.1579	4.50609	5.21453	4.28984	5.07091	4.90058
CDK2	3.74113	4.26564	3.85435	4.74277	3.85815	3.73197	4.3863	4.88936	4.82763	4.25396	4.27051	4.33276	4.86237	4.59162	4.71736	4.49209
CDK20	7.49773	5.68683	5.7722	6.90952	6.69878	6.57895	6.63361	4.66254	5.54883	3.72029	6.13608	6.68363	6.33713	6.3934	6.24	6.3928
CDK2AP	10.6426	10.9018	10.6607	10.1967	10.8808	10.9732	11.3155	10.8912	11.1496	11.6889	10.4028	10.398	11.2756	10.9946	11.3913	10.8356
CDK2AP	2.50129	6.50434	2.70549	5.5717	2.47594	3.78772	2.3531	4.22833	5.69444	6.91191	6.31431	7.56252	5.23563	5.72712	3.68625	2.49784
CDK4	8.34589	8.98841	8.45232	8.56298	8.93046	9.05078	8.7291	9.26858	9.33546	8.69194	8.7622	10.1334	9.12237	10.1334	8.78234	9.6193
CDK5	5.37837	6.07687	4.63216	5.00397	5.37675	5.98542	2.20014	2.04007	5.75916	1.92074	6.66461	7.26483	6.84415	6.89922	6.66985	6.98593
CDK5R1	3.8854	6.11602	5.58168	5.96858	4.26368	5.25519	6.20812	3.98702	4.57949	4.01336	5.7287	4.69958	6.66994	4.55416	4.9646	6.21121
CDK5R2	5.89711	5.47492	7.10409	5.41719	5.49591	5.43669	4.96563	5.97974	5.23193	5.87159	5.69572	6.18489	5.99542	5.76562	4.84645	6.40779
CDK5RA	8.08567	8.63335	8.42795	8.04566	8.21596	8.24645	8.57771	8.2869	8.20539	7.67787	8.29543	8.00791	8.0941	8.22834	8.33124	8.12568
CDK5RA	5.61224	6.53804	5.89619	5.92232	6.3204	6.06992	5.47877	5.75808	7.12545	6.05821	6.4523	6.52979	6.1994	5.98247	6.08128	6.5815
CDK5RA	9.89772	9.13069	10.3792	9.22028	9.94907	9.17582	8.93814	9.48779	9.75247	9.71731	8.80081	10.1365	8.51627	8.92921	9.07714	9.30916

CDK6	6.08337	5.70513	6.00149	5.62311	4.83886	5.86024	5.29458	5.54416	5.77322	5.26342	6.17911	5.17854	5.87462	5.25807	5.84395	6.3871
CDK7	8.43657	8.54622	8.41852	8.84762	8.58419	8.64231	8.70495	8.86983	8.15714	8.38151	8.68206	8.32521	8.31492	9.12606	8.22515	8.49676
CDK8	6.36743	6.74902	6.67407	6.66639	7.73397	6.6849	6.5886	6.60354	6.43871	6.34769	6.82737	6.3185	6.2982	7.46505	6.98119	7.16225
CDK9	3.33247	3.53998	3.09607	3.48813	3.40023	3.17829	3.36559	3.34536	3.70463	3.12278	3.93642	3.53349	2.89534	3.53745	3.0707	3.26676
CDKAL1	4.55761	3.48948	3.46198	3.46026	3.82141	3.28495	3.172	3.62944	3.26271	3.04006	3.55672	2.08688	5.63729	4.02452	2.70047	3.6339
CDKL1	5.29668	5.61784	4.85449	3.88289	4.19503	4.50317	4.5022	4.50487	4.40686	4.56051	4.5892	3.54548	4.53938	4.31151	4.22737	4.41381
CDKL2	5.24358	5.53539	4.90076	5.34487	3.76414	3.93923	5.26984	3.49503	4.89581	5.16217	5.29437	4.17016	3.82792	4.08906	3.50622	3.86554
CDKL3	5.99832	5.52467	4.78042	5.67968	4.60192	4.93246	5.7127	4.82056	5.32082	4.38855	4.72417	4.38066	5.90589	5.3317	4.65451	5.03573
CDKL5	3.13704	3.26737	4.04247	4.08349	3.82408	3.912	2.65551	4.05581	4.53835	4.06388	3.18969	3.12164	3.62262	4.41415	4.11853	4.37953
CDKN1A	7.90236	8.44675	8.56369	8.52577	9.17731	9.73939	9.38644	9.43764	8.6933	9.28374	9.63286	8.35397	9.78173	9.70802	9.28755	8.66277
CDKN1B	8.79695	9.12003	10.2496	9.96657	10.8872	8.89238	9.84942	10.071	9.80853	9.15368	9.27726	8.83123	8.97745	9.13069	10.0375	8.86269
CDKN1C	6.77387	5.86038	5.97649	5.879	5.98051	6.40325	6.01991	5.46507	5.35465	6.99449	5.40961	6.03664	4.94543	6.18679	6.23661	5.28056
CDKN2A	4.9277	4.24274	4.45382	5.0905	5.08426	4.59267	4.03231	5.46793	4.48842	4.57076	5.71111	5.57693	5.85146	4.41644	5.6056	6.02272
CDKN2A	6.66289	6.86287	7.92068	7.57667	7.6183	6.76629	6.48329	6.55056	6.55232	7.03639	7.21448	6.70664	7.09403	6.09264	7.34773	6.81012
CDKN2A	5.34717	5.60724	5.62168	4.89066	5.56822	5.6613	5.94021	6.30778	6.15108	5.41101	4.84137	5.9051	6.65283	6.52099	5.67573	6.82274
CDKN2B	5.1023	5.01818	4.37858	5.04246	5.31789	4.24079	2.57571	4.22557	4.96002	4.46011	4.8404	3.80117	3.763	5.19152	5.28942	5.1034
CDKN2B	3.28382	5.95677	4.56634	2.22193	5.49029	5.47132	3.2194	5.17376	4.28137	6.22424	2.01441	4.28615	3.0877	5.19549	2.9127	3.88705
CDKN2C	7.5276	7.71824	7.73741	7.63154	7.34053	7.19055	7.21275	7.01498	6.86171	7.392	7.58901	7.50324	7.07893	7.10181	6.80002	7.95378
CDKN2D	3.12738	5.80309	4.9244	5.87618	3.64889	4.10828	3.51466	5.0435	4.69793	5.87972	5.59254	4.89861	5.35608	4.64145	4.96785	4.71325
CDKN3	4.52735	6.00522	5.24588	3.92267	7.29311	6.79985	6.83876	6.0402	5.48699	3.59882	8.18565	6.57122	8.24318	6.25512	6.6682	6.68585
CDNF	4.77121	4.32699	4.63216	5.25816	5.60769	4.86617	4.10344	4.81522	4.13584	4.88336	4.57021	4.84861	5.58559	5.2602	4.16718	4.35788
CDO1	4.52298	5.75373	4.24394	6.03658	4.38162	4.58588	5.13074	4.22407	4.75104	6.04684	3.68112	5.30158	5.30672	3.96867	4.71325	4.69141
CDON	5.23996	5.33889	5.36574	5.19203	5.81304	5.81741	5.91983	6.02407	5.54645	5.27534	4.46753	4.7581	5.65526	5.13747	5.52221	5.84712
CDPF1	6.8481	7.00686	7.11008	7.15727	6.35585	6.986	4.77792	6.55254	6.84527	6.8874	6.87642	7.47692	7.66537	6.18909	6.35326	7.1525
CDR1	3.19594	3.04911	3.13257	3.1203	2.81309	2.86136	3.16512	2.95859	2.97568	3.00855	2.68367	2.94469	3.32016	3.05474	2.52969	2.88582
CDR2L	5.78082	7.16051	7.13233	6.97684	6.99283	7.43749	7.89522	7.09511	6.23887	7.2883	6.7419	6.51571	6.35075	6.61599	7.3755	7.40438
CDRT1	4.45668	4.92686	4.80177	4.70533	4.26924	4.64638	4.80528	5.02024	4.63675	5.0905	4.91768	4.95264	4.98334	4.46162	4.90419	4.58614
CDRT15	7.12292	7.38342	6.95968	6.75832	6.28785	7.05993	6.81648	7.05751	7.1266	7.10844	7.16382	7.41748	6.93102	7.46213	6.84334	7.0935
CDRT15I	2.88015	2.56774	2.42383	2.55745	1.97947	2.15563	2.88209	2.70064	2.92006	2.80132	2.36593	2.8813	2.79294	3.54384	2.43868	2.31622
CDS1	8.47703	7.67813	6.63193	7.60146	6.3443	6.13014	6.71808	6.24627	7.43605	7.01893	6.0589	6.67664	5.9336	6.86436	6.73451	6.07956
CDS2	7.00737	6.49401	7.0242	6.82575	6.61097	7.05471	5.95754	6.60444	6.74074	6.79746	7.28911	7.17018	6.38241	6.57567	6.23481	6.12881
CDSN	2.22591	2.57956	2.36797	3.11174	2.27492	2.85077	3.06742	2.05864	2.69546	2.7835	2.67868	2.39513	3.22335	2.81134	2.58785	2.85974
CDT1	5.79876	7.0023	6.13804	6.52099	6.74255	6.14261	7.43226	7.24828	6.51684	5.42739	7.80837	7.44574	7.08988	7.70458	6.7914	7.71725
CDV3	5.992	6.72093	6.98515	6.84655	6.67922	6.35777	6.38895	6.91031	6.94672	6.0893	6.59933	7.37708	6.5596	6.33298	5.95836	6.6512
CDX1	3.85425	4.2136	5.90087	5.12105	3.98376	4.28649	4.30475	5.16539	6.6179	4.85694	4.51992	6.71555	4.77727	4.369	5.98501	4.71816

CDX2	2.63482	1.91586	2.25072	2.38778	2.55772	2.15563	2.63794	2.43067	2.53538	2.44811	1.85273	3.00642	2.34547	2.05268	2.43868	1.92725
CDX4	2.53024	2.77081	3.24205	2.83422	2.53024	2.51251	2.61298	2.8638	3.36695	3.2328	3.21922	3.12959	2.79294	2.59761	3.06557	2.5569
CDY1	3.38024	3.21812	4.51085	5.17832	4.64244	2.91286	5.12739	4.84732	4.52735	5.541	3.60639	3.88029	5.68275	4.89464	3.76841	4.83492
CDYL	5.78593	6.8319	6.5143	6.09904	6.93394	6.05326	5.96086	6.80386	6.66023	6.22736	7.29183	5.89846	6.4651	6.63705	6.19189	6.13572
CDYL2	7.13648	7.46102	7.24474	7.36398	7.39559	7.30333	7.47582	7.62364	7.76863	7.54102	7.73791	7.43085	7.57572	7.52956	7.74711	7.51379
CEACAM	4.67557	5.30337	5.11501	4.9748	5.81884	4.78444	5.4188	6.55586	5.26541	6.4479	6.6174	5.39524	5.07559	5.87195	5.0289	5.36141
CEACAM	3.84315	2.8813	3.42172	4.22883	4.44183	4.27251	4.19082	4.65546	3.25201	2.77263	4.71136	4.56642	4.82475	3.64454	4.58644	3.7755
CEACAM	4.00145	4.709	4.42897	4.52313	3.94028	3.26676	4.22923	4.73847	3.78553	4.28869	4.5385	5.00457	4.5554	4.12326	4.04939	4.29147
CEACAM	6.39572	7.07704	6.88109	6.18419	6.34052	6.29235	6.28468	6.75544	6.65093	6.42177	6.52407	6.8185	6.31984	6.59193	5.59734	6.24386
CEACAM	5.98312	6.96054	6.45026	6.63879	6.22592	6.48314	6.73533	6.6117	6.66401	5.99921	6.69627	5.72913	6.52377	6.6449	6.60577	6.84027
CEACAM	7.40347	7.32444	7.63257	6.00628	6.03318	5.88563	5.49607	6.56249	5.77903	5.50359	8.15692	6.56901	6.2458	5.8211	5.71282	5.82933
CEACAM	10.2928	10.3502	9.7947	9.23508	8.00595	5.38659	5.29334	6.66212	8.31557	11.3155	10.1021	6.17495	4.07798	6.85261	4.57997	4.88621
CEACAM	3.79392	4.4005	4.35485	3.38774	3.76612	3.58062	4.07056	3.81832	3.61885	3.84644	3.13884	2.80802	4.24573	4.70445	4.31456	3.67007
CEACAM	0.82494	1.01454	0.27064	0.90097	-0.133	1.59197	1.03884	2.30474	1.53958	2.12186	-0.1724	0.90097	2.23314	0.22408	0.11027	0.42629
CEBPA	6.99143	7.91854	7.5497	7.59121	7.82536	8.18994	8.08135	7.67128	8.29317	7.2954	7.55453	8.39657	8.6349	8.12233	8.22297	8.24318
CEBPA-A	7.89701	7.71404	7.78534	7.322	7.40779	7.86345	7.91358	8.01802	8.18597	7.4021	7.77441	7.43675	7.90347	7.92906	7.73627	7.60078
CEBPB	10.8356	10.0791	10.0518	9.51684	9.88728	9.15119	10.1581	9.50597	10.2496	9.63071	11.3913	9.43176	9.77798	9.89971	9.55838	9.71731
CEBPD	6.50052	5.45816	6.15008	4.54107	4.93717	6.46847	7.23538	6.2573	4.90215	6.81431	6.45583	7.32824	5.14329	4.89253	5.67113	5.99003
CEBPE	5.55384	4.59455	6.3346	5.77843	4.93594	5.35512	6.09034	5.66963	5.77414	4.89182	5.48278	5.90655	4.63261	4.6285	4.84979	5.73754
CEBPG	6.82178	6.89817	7.15992	7.17852	7.92161	7.2883	7.11823	6.94648	7.19524	6.97241	7.66053	7.20038	7.7642	7.99096	7.72199	7.49794
CEBPZ	6.90303	5.91749	7.2494	7.18967	8.63124	7.00766	8.20468	8.56494	8.35464	7.28966	7.74011	6.47623	7.51127	7.62972	7.76286	7.87786
CEBPZOS	3.68581	4.03198	4.30232	3.79318	5.34463	3.78526	4.88909	4.58146	5.44544	4.15902	5.26165	3.8116	5.48589	4.83965	4.30268	5.27088
CECR1	8.13104	8.54511	9.55257	9.12606	8.43209	9.16731	5.84791	9.07296	10.4548	8.69613	9.45067	9.7488	7.72798	7.99903	8.32213	7.83428
CECR2	3.94431	4.16003	5.12733	4.70968	4.30055	5.25428	6.22616	4.67307	4.95585	4.80498	4.61264	5.17583	5.65728	5.07725	5.30537	5.17709
CECR3	5.30988	4.98989	5.33567	5.13328	4.22631	5.62045	4.46025	6.19649	4.95356	4.64479	4.27533	5.95183	5.74785	5.24887	5.77462	6.08805
CECR5	8.80651	8.90826	8.71458	8.69882	8.45337	9.69974	9.47585	8.96842	9.07417	8.64714	9.25316	9.36648	9.99505	9.67513	8.80295	9.22708
CECR5-A	0.62135	1.9808	1.03884	4.0196	0.47862	1.32117	4.71077	0.64273	1.92414	1.15042	4.2061	1.31925	3.7479	2.09344	1.44837	0.9979
CECR6	2.63482	2.63607	2.35871	2.31308	2.29738	2.36638	3.25433	2.10233	1.92414	2.31329	2.8192	2.2269	2.54194	2.16332	2.07498	2.19188
CECR7	3.64066	5.55391	3.99755	4.03862	3.92606	3.50802	6.1223	4.44194	3.49474	4.28394	3.88263	4.22176	3.49323	3.95895	3.72694	3.48415
CECR9	5.23893	3.80894	4.99785	4.53029	4.50899	4.84753	4.72009	5.25872	4.45019	4.55579	4.60099	4.71933	4.67088	4.16372	4.69059	5.0747
CEL	2.82223	2.25288	1.16965	1.64611	3.13607	3.85815	2.79844	1.70381	6.92836	2.4095	2.14408	3.48813	3.06011	5.49394	2.79997	2.5254
CELA1	2.00108	2.77081	2.48448	3.6256	2.91487	2.74824	2.39011	2.52957	2.95663	2.47565	3.09709	2.44179	4.63261	2.83991	4.13924	2.26153
CELA2B	5.54416	4.03498	5.56832	4.15684	6.47846	6.07505	4.44493	6.20535	6.33203	6.95503	4.88503	6.9667	5.22455	5.88448	5.9813	5.6819
CELA3A	6.04132	6.08093	6.20209	5.75436	6.0519	5.5131	4.99162	5.60281	5.21576	5.8211	5.87081	5.58056	5.49021	6.14773	5.81608	6.22981
CELA3B	6.02057	6.37502	6.74845	5.23955	5.50938	5.1341	4.9822	4.7289	5.21762	6.53172	5.80469	6.25576	5.69186	3.71992	5.89474	5.64034

CELF1	6.52849	6.65907	7.11246	7.07077	6.70274	7.23538	7.00026	7.03779	6.97717	6.79861	6.65043	6.98163	6.74779	7.03653	6.56837	6.39759
CELF2	7.05063	7.59162	8.1427	7.71255	7.36235	7.65419	7.15229	7.5023	7.79072	7.52261	7.75523	7.26214	7.11823	6.97262	7.69724	6.98107
CELF2-A	3.70138	3.72982	4.34691	3.90548	3.32431	2.65434	4.89377	3.32868	3.17124	3.07203	3.68444	3.47261	3.96898	2.65463	2.11842	3.88705
CELF3	2.71495	4.66168	4.84059	4.3226	4.1099	4.46232	3.89893	3.75335	4.02952	4.34289	4.18318	3.61825	4.36417	3.35869	3.63165	4.09014
CELF4	4.72517	4.52011	4.46646	3.91479	3.89385	4.13924	4.12115	4.60222	3.61691	3.78553	3.51688	3.79506	3.78253	4.37224	3.49429	3.58364
CELF5	4.63871	4.73152	4.59004	4.69272	4.92985	4.71007	4.94967	5.11002	3.90824	3.75083	4.26465	4.57105	4.90868	4.53287	4.65943	5.21505
CELF6	5.71324	5.66331	5.51437	5.75592	5.84579	4.92674	5.90076	5.1459	5.32765	5.79724	5.47332	5.96795	5.95982	5.00585	5.56103	5.3398
CELP	3.76841	2.84393	2.93758	2.36312	3.49824	2.27957	2.31492	2.91144	2.73661	2.38782	2.45719	2.53152	3.03764	2.65463	2.47462	2.63794
CELSR1	6.92196	6.79309	6.63574	6.42694	5.6019	5.78133	5.70986	6.89788	6.36989	6.11415	5.84112	5.54219	6.32273	6.44533	6.72452	5.76297
CELSR2	6.61013	6.69137	6.91829	6.65808	7.91831	8.28887	8.33034	6.91402	7.51651	7.41527	7.03226	7.10505	7.17415	7.12328	7.82021	6.52859
CELSR3	4.47874	4.09184	5.56307	3.3789	6.03605	3.80608	3.77334	3.72995	5.24525	3.83274	6.73634	5.45694	4.37334	3.82524	5.02465	5.20662
CELSR3-	1.96392	1.71163	1.52785	1.26539	1.60199	1.95254	3.31153	2.34717	1.92414	1.96807	1.36661	1.69916	2.39587	1.72157	1.85273	2.28681
CEMIP	5.32234	6.10097	5.96787	5.63956	5.85848	5.54715	5.27341	5.67071	5.07507	3.6751	6.46938	5.42419	4.54689	4.61181	4.66808	5.18703
CEMP1	6.16827	6.50729	7.09315	6.33814	6.41692	6.3245	5.79032	6.59422	3.49474	4.36468	5.74832	5.74526	6.30993	6.83647	4.74294	6.36933
CEND1	7.42103	6.64896	6.80782	6.98274	6.06808	6.37469	7.21412	7.32114	6.85524	6.88265	7.1641	6.83262	6.45415	6.46847	6.78314	6.72765
CENPA	6.32883	4.24629	5.20327	3.6993	6.02014	6.41941	4.8582	6.32848	6.90997	5.45776	6.23514	6.48785	6.92598	4.87894	6.18553	6.5943
CENPB	6.78671	7.03941	5.86382	6.04768	6.56458	6.8514	6.80913	6.2512	6.26034	6.60899	6.50673	6.44906	6.39306	6.08128	6.5845	6.35062
CENPBD	7.98276	7.58033	7.1569	7.31863	6.77308	7.10829	6.35153	7.32444	7.57572	7.42833	6.86762	7.12292	7.48264	7.38166	7.87124	7.26381
CENPBD	7.18347	5.44477	5.08995	7.36877	5.3635	5.48925	6.15596	5.24647	5.68558	5.8274	6.61924	6.12673	5.48088	6.37855	5.27501	5.07278
CENPC	8.26067	7.96835	8.36277	7.92881	8.44731	8.25224	7.63984	8.38118	8.32521	7.63463	7.68874	8.20121	7.65039	7.37273	8.10241	8.07513
CENPE	3.51548	3.60842	4.03916	3.1994	6.69403	4.03667	5.37133	6.10228	6.13643	1.22431	7.21508	4.2698	5.35451	3.90216	7.29172	6.69189
CENPF	4.62017	5.18703	5.48353	3.58364	6.52407	6.03408	6.17652	5.88955	5.9165	4.28945	6.60736	6.07392	5.65192	5.30442	6.42817	6.82812
CENPH	4.38384	5.8273	4.4962	4.67707	6.06373	4.44183	5.72875	5.96298	5.99187	2.47565	7.44207	5.22709	7.5477	7.01235	6.72362	6.92499
CENPI	3.45081	3.72162	3.8446	3.36074	3.98812	4.11908	4.37463	3.61218	4.59373	3.60158	4.24058	4.11091	4.83434	3.60965	4.50609	4.32344
CENPJ	3.50747	4.2082	5.12719	4.40518	4.92249	4.40173	5.42419	5.39705	5.28554	4.71077	4.98009	4.56898	3.19212	4.61847	4.80979	4.17457
CENPK	8.53248	8.12177	8.14618	7.58542	8.89983	8.50902	9.7968	8.6757	8.33456	5.56444	9.18833	7.89891	9.55522	9.14447	9.30766	9.89394
CENPL	5.6532	6.45247	5.96988	5.2058	5.53311	5.37506	6.69768	5.68203	6.20107	5.99003	6.77653	5.90425	7.1078	6.52849	6.39124	7.09966
CENPM	9.02178	8.43314	7.18995	7.92034	7.51158	7.51436	7.84908	6.88783	7.86265	5.96497	8.25224	8.04267	8.30977	8.56737	7.66805	8.17578
CENPN	5.02826	5.59616	5.11285	4.97356	5.52006	5.14439	6.04351	6.06866	5.64371	5.05022	6.38992	5.55587	6.20767	5.8151	5.69186	6.04684
CENPO	7.05573	7.3133	7.02701	6.85738	7.42907	7.09167	7.59765	7.50393	7.34297	6.76829	7.15716	7.17259	7.14114	7.2117	6.94742	7.44871
CENPQ	5.61659	6.39101	5.77447	6.49089	7.69081	5.96127	7.3761	6.06626	6.28785	5.17323	7.08421	4.30571	6.33034	6.64649	7.01588	6.96042
CENPT	3.27608	3.42226	3.65227	4.15309	4.27998	4.12179	3.17289	4.44519	3.93004	3.35266	4.31426	4.12167	5.30361	3.27151	3.1574	3.9598
CENPU	6.23343	6.95167	6.74706	6.2968	8.20748	6.56272	7.19775	7.61148	6.86618	6.59954	7.14925	6.91209	8.03276	7.16866	7.64142	7.81334
CENPV	4.87682	5.53553	5.45776	5.09101	6.45101	4.49757	5.34487	5.34251	6.2422	6.47973	5.14215	6.51248	6.76291	5.85581	6.23437	7.17018
CENPW	7.04386	7.76849	6.58138	7.51308	7.97709	8.87234	9.9356	8.40588	9.69447	7.93896	8.62243	8.06455	9.22028	8.84609	7.80021	8.90713

CEP104	6.27038	5.74628	6.3443	6.39658	5.67417	6.13485	6.51475	6.31957	5.74152	5.84244	5.74052	5.61679	5.96127	6.16097	6.55289	6.32482
CEP112	5.35506	5.29139	5.07971	6.12018	5.12946	4.86793	4.41476	5.10272	4.25134	6.34126	4.87271	5.16078	5.70072	4.83068	5.40961	4.40913
CEP120	7.10136	7.12819	7.55265	7.32463	6.72244	6.93269	5.99319	7.1525	7.17978	7.12866	6.46638	6.52082	6.82086	6.90628	6.90055	7.16167
CEP128	5.53294	5.9165	6.12395	5.53911	6.17984	5.45313	5.24948	5.95685	5.95902	6.08205	5.8278	6.2054	5.83789	5.13421	5.8266	6.16376
CEP131	5.07215	4.92195	4.13924	6.24052	4.21924	4.94013	5.31867	4.08791	5.21228	4.38311	7.61233	7.13607	4.006	5.88448	6.26461	4.76686
CEP135	5.87662	6.1231	6.67233	6.72968	7.363	6.74102	7.06524	6.63311	6.59438	5.58238	6.25491	6.41859	7.27934	7.41663	7.35274	7.35459
CEP152	4.79719	4.55883	4.72092	4.61234	5.00457	4.90466	5.67035	4.95231	5.49578	4.96826	5.55865	5.31668	4.98706	5.19838	5.97254	4.67307
CEP162	7.03744	6.97291	6.37657	6.56571	7.15768	7.03044	6.1016	6.84318	6.90952	6.16738	5.70933	6.08317	6.15893	6.3762	6.90081	6.91061
CEP164	5.9345	6.13713	5.66468	5.6046	6.20735	6.24943	6.4489	6.04874	6.47269	6.4737	6.19721	6.66709	5.88064	5.83943	6.53612	6.40621
CEP170B	8.01148	8.2507	8.13938	7.88522	7.49719	7.67064	7.97957	8.22781	8.52405	8.09264	7.86047	8.10456	7.67349	7.93138	7.83372	7.737
CEP19	5.52936	4.86049	4.9186	5.79671	5.41737	5.41506	5.06539	4.55142	5.17376	4.08647	4.62412	4.96159	5.27381	5.01176	5.66075	4.66059
CEP192	6.98662	7.34486	7.94178	7.58901	8.79047	7.86869	7.8718	7.79439	7.85642	7.79266	7.29703	7.85585	7.54885	8.48462	8.41228	7.46368
CEP250	6.37201	6.37128	5.90014	6.65633	6.13374	6.15413	6.24844	6.20677	6.66656	5.89483	6.42518	6.59447	6.09675	5.9634	6.70155	6.11045
CEP290	5.50579	6.1209	6.41137	6.61156	5.59946	6.99839	7.33114	4.93219	6.38327	4.93688	5.05513	6.50381	6.22158	7.00026	6.5886	6.27821
CEP350	7.80077	7.51009	8.13666	7.71648	7.63653	7.94301	8.32009	7.98837	8.27357	8.27879	7.57115	7.96108	7.83845	8.02241	8.13389	8.03572
CEP41	5.57862	4.88984	5.42944	5.26722	5.48731	5.68816	5.55223	5.68688	5.20936	5.97254	6.15721	5.16975	5.50359	5.31988	6.39924	5.50719
CEP44	6.49283	6.15932	6.37229	5.90647	6.93269	6.1024	5.66671	5.99921	5.77227	6.68722	6.1481	5.54505	7.06828	6.36767	7.14716	6.5687
CEP55	6.38874	7.44743	7.14531	6.46938	8.41134	6.93931	7.47714	7.70787	7.12147	5.33406	9.2077	6.26366	7.92881	7.678	8.62416	8.74983
CEP57	7.02742	7.19165	7.16758	6.8266	7.41351	6.79839	6.54256	7.26021	7.11849	7.20199	6.93736	6.41723	6.6512	6.78789	6.93816	7.18007
CEP57L1	4.43372	3.71758	4.18842	4.30874	4.59206	4.03129	4.2998	3.92493	4.43188	5.0199	5.17863	4.76067	5.19266	4.67154	4.21149	4.11511
CEP63	5.75101	5.5705	6.15798	5.93055	6.6512	6.23891	6.0044	6.53371	6.6682	6.68175	5.74585	5.49958	5.68932	4.97617	5.85864	6.20437
CEP68	6.25466	5.97036	5.84764	6.50696	6.08061	6.52126	6.32441	5.7837	6.02713	6.08113	5.50521	6.39528	6.32977	6.48013	6.30147	6.18015
CEP70	5.1836	5.16289	5.53911	5.33026	6.61815	6.25329	6.55834	6.03795	6.26423	5.48056	5.32616	5.4377	6.46565	5.52122	5.94871	6.93556
CEP72	7.22326	7.14791	7.43213	7.20458	6.98991	7.04386	6.90107	7.20402	7.03971	7.20792	7.20038	7.30846	7.27062	6.49826	6.64896	7.02388
CEP76	6.71607	7.10858	7.06607	7.41663	8.09031	7.59235	8.40046	8.13389	7.04472	6.70889	7.47372	7.41961	7.54948	8.42133	8.08303	7.90074
CEP78	6.96182	6.93448	6.58382	6.93736	7.55589	6.75031	6.64525	6.73005	6.98197	6.54916	7.19551	5.72779	6.45376	6.06094	6.83822	6.89843
CEP83	6.02751	5.44592	3.10545	5.48909	7.00096	5.70671	6.02526	5.65805	5.18926	3.7913	5.50142	4.93738	6.00628	5.98786	5.477	4.53092
CEP83-A	2.47437	1.27177	2.14348	1.80217	2.33881	1.26539	3.23578	2.30474	1.63986	3.66644	2.27492	3.58062	4.43617	3.60186	3.81591	1.92725
CEP85	6.46461	6.19375	6.26737	7.05982	6.53205	6.91606	6.98932	6.66446	6.9611	6.9564	7.1396	6.78596	6.83449	7.05162	7.08147	6.69111
CEP85L	5.16611	4.76205	4.83543	4.85113	5.1579	4.81469	4.72831	4.49101	5.0244	5.16078	4.70639	5.15336	4.92384	4.60638	4.96515	4.79031
CEP89	5.46829	4.58428	4.50409	4.43542	4.77111	4.32569	3.96094	4.27418	4.84399	4.64145	4.77306	4.26756	4.80031	4.87682	4.57279	4.91332
CEP95	5.74373	5.38841	5.45744	5.98219	5.58425	5.17583	4.7148	4.86491	5.67273	4.53425	5.31417	5.17462	5.98353	4.6197	3.80575	5.94931
CEP97	7.02701	6.58326	6.64772	7.00701	6.42518	7.03897	6.99012	6.62705	6.58914	6.29651	6.44728	6.77043	6.3978	6.45975	6.1875	5.80973
CEPT1	6.8266	6.57122	6.83139	6.25512	6.26231	7.08147	5.81438	7.37995	6.46176	6.27603	6.2118	7.07656	6.33105	6.58198	6.39601	6.66929
CER1	6.1559	7.40799	7.08853	7.31992	7.23612	7.31725	7.08726	7.32857	6.96042	7.79439	6.72801	6.95659	7.28227	7.4192	6.986	7.35884

CERCAM	4.49454	3.68112	3.61646	3.47883	3.72694	3.85906	3.34224	4.05318	4.77788	4.50692	3.78181	4.49101	4.54628	4.29221	4.68708	4.03565
CERK	7.58194	8.42381	8.46832	7.61148	8.25461	8.64417	6.76291	8.21161	7.74479	8.67057	7.62491	8.3527	8.31583	8.31951	8.55331	8.2984
CERS2	8.61369	9.04423	8.95696	8.84034	8.33334	9.01766	8.67455	8.33216	8.83206	8.41433	8.68521	8.78881	8.73732	9.07924	8.70701	9.00781
CERS3	5.98862	4.83726	4.93441	4.97832	4.49656	4.81378	6.43747	6.42535	6.91674	4.59228	6.75996	6.82158	6.12841	5.70963	5.05229	5.9868
CERS4	2.89649	2.61396	2.59102	2.38778	2.55772	2.42212	2.8619	2.2672	2.47145	3.15532	2.24458	2.17829	2.39587	2.97219	2.21248	2.38828
CERS5	5.26786	5.02973	5.80863	5.09798	5.21072	4.93183	4.74411	5.6657	5.0069	5.50757	5.15387	4.67342	5.59	4.8875	5.33448	4.90439
CERS6	7.08255	6.77582	6.43573	5.87873	7.13403	7.29217	7.17104	6.60392	7.07685	6.68135	7.56369	6.2118	6.98246	6.78245	7.85138	6.63674
CES1P1	3.9591	4.07403	4.17984	2.81334	3.14557	3.30682	3.18384	2.98628	3.40648	3.53934	3.83893	4.22754	2.66449	3.23061	3.17223	3.07505
CES2	8.26476	8.07378	7.43628	7.8954	6.78078	7.73337	7.51679	7.77507	7.83406	8.06777	7.80888	7.59906	7.56225	7.74479	7.3133	6.98119
CES3	5.5751	5.23928	5.08	4.32759	5.12258	5.1725	6.35878	5.62225	5.61594	6.76694	4.90583	6.34393	6.12427	6.09644	5.11589	4.5792
CES4A	6.2478	2.95972	2.8391	3.73033	2.42207	2.67969	2.98815	2.64349	3.02333	2.72148	2.70123	2.64907	2.59488	2.51368	2.70965	2.99971
CES5A	1.79935	2.39163	2.70549	4.25148	1.26539	1.68859	2.5047	3.73495	1.69898	1.96807	2.04035	2.55562	2.42653	5.7441	2.10058	2.5569
CETN1	6.2273	5.95444	5.98264	6.03567	5.3979	2.93381	6.8567	6.21022	6.03446	5.81954	5.48278	6.7568	6.54284	6.4813	6.43759	6.01067
CETN2	11.2633	10.2415	8.81813	10.9309	9.8758	9.49763	8.93143	9.27221	9.43176	9.02331	8.90826	9.3856	9.13692	9.37012	9.89488	8.63277
CETN3	9.37545	9.15245	9.45067	10.4209	9.30484	9.24332	9.40267	9.0587	9.15526	8.86001	9.69447	8.78405	9.64026	9.02815	8.85744	9.71027
CETP	1.44194	2.13825	1.64561	2.0998	2.1445	3.17101	1.63196	3.27157	1.32709	1.74155	2.13586	2.31832	2.17097	1.4899	1.88334	2.19188
CFB	6.01907	6.76162	7.00204	5.87008	6.23007	5.39423	5.70264	5.8829	6.09003	7.34402	5.95444	5.94499	6.00298	5.77919	5.09667	5.57186
CFC1	3.27163	3.78054	3.74466	3.51881	3.44452	4.47624	3.93337	4.37922	3.82065	4.17905	4.65034	4.8611	3.53968	4.64905	3.871	3.76136
CFC1B	3.84315	3.07762	2.77497	3.38369	4.12453	1.68859	4.10344	3.58474	5.90526	3.7682	2.86424	1.4899	2.49591	3.36587	1.55502	4.27608
CFD	8.69776	7.21396	7.5199	7.99374	4.50197	6.40779	5.23969	1.3689	6.42327	10.6233	8.77929	6.92974	6.93789	5.71377	3.70234	6.46638
CFDP1	7.86658	6.16926	7.75974	6.47888	7.05429	6.42187	5.86855	7.58542	7.56855	7.29026	7.22613	7.62252	7.36252	7.90707	7.48643	7.05087
CFH	9.98579	8.20672	9.98579	9.40867	8.40523	8.34053	8.24533	8.76046	9.65062	10.6816	9.15916	8.26169	8.4383	8.04652	8.78035	7.74661
CFHR2	6.80828	6.43844	7.32741	5.52175	6.35326	6.54069	5.73173	6.11959	6.92337	7.00026	6.7567	6.23778	5.84353	5.84235	6.30594	5.82006
CFHR3	3.58007	3.78126	4.41311	4.66277	3.49317	4.18908	4.48551	2.11798	4.37858	3.82659	5.16259	4.30008	5.36903	4.48131	3.52204	3.23578
CFHR4	3.53756	4.40668	4.27544	3.28542	3.10976	4.54584	4.61995	3.29115	3.02333	3.34275	3.72069	5.85157	4.95919	3.41704	3.82329	3.95427
CFHR5	2.23882	1.44837	0.79531	1.00034	1.00765	0.89896	1.63196	0.64273	1.76451	0.65546	1.54854	1.80953	1.11444	1.59381	1.00765	0.86912
CFI	6.6076	7.10709	7.67787	6.74871	6.31242	6.34299	5.98072	6.59516	7.07914	7.21508	6.82553	6.71311	5.36981	6.33638	6.27726	6.05682
CFL1	5.06996	4.91924	5.1459	4.69896	5.22874	5.51639	5.29354	5.48589	5.38915	5.75607	5.44733	5.29199	4.96826	5.50917	5.14507	5.33349
CFL2	6.04001	5.77492	6.50052	6.40861	6.71374	6.10884	4.79518	6.94323	6.07023	7.02998	6.78466	5.76532	6.42572	5.72288	6.34408	6.49514
CFLAR	7.03226	7.25205	7.34936	6.95554	7.03987	6.72058	6.88898	7.13144	7.19309	6.65808	7.18699	7.10136	7.03954	6.8869	6.99315	7.10326
CFLAR-A	5.70016	5.88552	4.14389	5.80097	5.3139	2.79576	5.59446	5.78534	5.64914	5.65982	4.77111	5.30957	4.34627	3.12884	4.78568	5.73556
CFP	3.52524	4.76112	3.20427	4.74829	3.85505	4.07245	3.10453	6.70121	3.00175	2.12186	5.59123	2.97562	3.07124	2.59761	1.92074	3.0606
CFTR	3.95546	4.14977	3.45942	3.7348	3.2679	2.88947	3.8966	3.24275	3.48664	4.27968	3.50687	3.52327	2.70414	3.49996	3.31059	3.13915
CGA	4.95874	3.31489	4.89932	3.94849	4.86432	4.60842	4.61592	4.82694	3.05781	2.9644	5.22492	3.38887	3.76414	3.45602	3.2224	4.52112
CGGBP1	8.04043	8.0775	8.58123	8.38789	8.51686	7.70836	8.13873	8.61815	8.0875	8.37645	8.41541	8.53182	8.70235	7.78783	8.30791	8.55896

CGN	5.04296	5.31378	4.84997	4.71438	4.93851	4.52039	5.00815	5.71535	4.78582	5.19619	4.57233	5.29914	4.63675	5.33725	4.15309	5.09944
CGREF1	3.32431	3.11174	4.6804	5.28957	1.84689	3.15165	3.0573	5.72077	4.26581	6.71161	5.21894	4.73576	3.88172	3.46534	4.16718	4.39898
CGRRF1	7.60983	7.44622	7.7121	7.70992	7.68808	8.00713	7.33576	7.61233	7.01656	7.39264	7.50324	7.28713	8.11103	7.47978	7.57441	7.55453
CH25H	9.0354	8.23823	8.72407	8.07629	6.29473	8.19574	5.7251	7.00783	9.01455	6.65341	7.01461	8.16729	5.94952	6.48746	7.79926	6.24261
CHAC1	3.32431	2.74824	4.11056	2.93958	2.85371	4.69149	3.85658	4.67765	5.80782	3.65408	3.02585	4.13909	3.57524	4.56553	3.56833	3.5127
CHAC2	6.07045	6.71607	7.03789	6.83067	7.16995	6.07822	7.63737	8.04652	6.32278	6.2531	8.26454	7.22499	8.13334	6.69403	7.49962	8.13081
CHAD	3.44273	3.91554	4.31281	3.56531	2.1445	5.0543	3.14316	3.37974	4.56553	5.61368	2.99709	2.75185	4.05757	2.18939	2.52969	3.53602
CHADL	7.5649	5.8704	7.14402	6.8352	6.57373	6.62843	7.01686	6.85308	6.39556	7.65666	6.74939	6.25913	6.2141	6.76613	7.05409	7.38493
CHAF1A	4.30301	5.19903	5.19477	4.23968	5.36688	4.81915	5.10043	4.66076	4.57473	4.44582	5.17309	5.56983	5.27534	5.03773	4.16273	5.12847
CHAF1B	6.25222	6.13028	5.39353	6.10495	6.44056	6.20059	6.54748	7.00783	6.47853	5.92461	6.62173	6.11912	5.64247	6.44624	6.68221	5.9748
CHAMP1	6.37861	6.61318	3.86359	4.76672	6.12195	6.33645	6.98629	7.00783	6.69926	5.96497	6.81244	6.61432	6.39618	6.11483	6.56221	6.23706
CHAT	3.77751	3.89112	3.9258	3.88735	3.62835	3.72561	2.42155	4.11111	4.04754	4.25792	1.74872	4.17474	4.2792	3.95895	3.82329	4.35788
CHCHD1	8.73887	8.60559	7.99187	9.31854	7.70063	8.37199	7.95868	7.798	7.63211	7.51396	8.77851	8.98666	9.25598	8.64803	7.8025	8.52332
CHCHD1	5.8404	6.8096	2.75954	7.12363	5.10439	7.21675	5.19716	6.34224	7.36739	6.46055	7.78669	6.94612	8.53406	5.29621	4.26797	6.71599
CHCHD2	10.6031	10.8808	10.5398	10.9849	10.5482	11.3656	11.4854	10.7652	10.6889	10.7357	11.3355	11.1818	11.374	11.565	11.3436	11.3034
CHCHD3	6.86793	6.29187	5.1725	5.54309	7.0876	7.17565	7.34672	7.27394	7.04312	7.41204	6.86345	7.38635	7.62153	7.14512	6.99541	7.06066
CHCHD4	8.434	9.27986	8.98871	8.91402	9.28266	8.47465	8.79448	9.59094	9.04187	9.23779	9.79359	8.95531	9.4807	8.83871	8.73603	10.0791
CHCHD5	5.2358	4.97	5.21162	5.84642	4.89146	5.33678	5.26386	4.85735	5.16136	4.88639	5.36981	4.62359	5.67314	6.25249	5.1686	5.89988
CHCHD6	8.32089	6.8942	3.70804	7.48562	7.15703	7.57459	8.52475	4.9984	6.24867	6.97291	6.79897	7.38024	7.51127	8.23492	7.17292	6.83691
CHCHD7	7.76765	8.27821	8.04765	8.68454	8.28067	8.68947	9.07205	8.98598	8.52058	7.83845	8.64857	8.69402	8.68624	8.30473	8.31053	8.56834
CHD1	8.01099	8.11228	8.32872	7.7737	8.27821	7.86242	8.68868	8.60829	8.22515	7.56855	8.64334	7.1525	8.61941	7.99006	8.18266	8.46388
CHD1L	6.92074	6.82609	7.02816	7.02009	7.0936	7.13865	6.76714	7.26381	7.21191	7.09292	7.18064	6.64395	6.44429	6.62473	7.06005	7.44901
CHD2	6.33858	6.4377	6.66059	6.24105	6.51441	5.89327	6.05663	5.7411	6.3267	6.41933	6.13518	5.97965	5.75038	6.19518	6.14498	6.56324
CHD3	6.22344	6.10359	6.0385	6.79912	7.79666	8.09817	7.60818	5.46243	6.8987	6.10779	6.03028	7.08864	6.55687	7.5049	8.04702	6.93224
CHD4	7.52261	6.67233	7.50104	7.51898	6.55342	7.61408	8.00713	6.99217	7.71993	6.97927	6.60329	7.58583	7.31992	6.72393	6.78362	6.32556
CHD5	5.17686	5.96074	4.74249	3.83274	5.33097	5.28829	3.8877	5.48246	3.97447	5.31739	3.85006	5.4942	5.43359	4.98744	5.31968	5.33097
CHD6	5.97882	5.40648	6.25151	5.59554	6.5958	6.1524	6.07045	6.00906	6.0536	6.27019	5.66789	5.97235	6.31064	6.80448	6.46888	6.1584
CHD7	5.24413	5.51128	5.79118	5.06568	5.43626	5.73636	5.80121	5.34359	5.18381	5.48589	4.91737	4.55715	5.28718	5.35851	5.43934	5.50496
CHD8	6.53172	6.17652	6.21121	6.27539	5.95171	6.62543	6.81648	6.21022	6.51558	6.53172	6.49304	6.08191	5.52053	6.03389	6.23891	5.5419
CHD9	6.68251	6.79281	6.88319	6.60418	6.39865	6.18076	6.27692	6.97362	6.51161	6.76898	6.34706	6.5788	6.61839	6.13349	6.45608	6.40819
CHDC2	7.46703	7.2025	6.62279	7.36564	6.1833	6.18773	7.26533	7.24904	6.47506	6.7154	6.69274	6.75243	6.91702	6.19445	6.5805	6.81999
CHDH	4.63246	4.83307	4.3777	4.32957	5.0084	4.13078	4.53702	4.68891	4.53734	4.64607	4.29854	4.69778	4.78664	6.20362	4.31542	6.08983
CHEK1	6.02979	6.40514	6.35649	5.932	6.72621	6.2594	5.80045	6.1383	6.52729	6.45116	6.77732	6.54748	7.3118	5.68604	6.06561	6.73688
CHEK2	2.81334	5.48909	3.5252	3.48474	5.54452	3.68688	6.51815	3.67908	3.55701	3.31009	4.1725	4.93488	3.17825	5.53595	3.76841	6.17688
CHERP	6.30176	6.00057	5.92319	6.60313	6.66134	6.04314	6.1118	6.1016	5.91675	6.14705	6.68135	6.87204	6.74298	6.45994	6.30023	6.51724

CHFR	6.6892	7.06551	6.87959	6.88265	7.4188	6.76714	6.12018	7.62214	7.03457	6.8177	7.53313	7.75696	6.16082	5.49854	7.33495	6.16574
CHGA	5.66365	5.93216	5.79205	3.00618	2.76484	4.94013	4.52964	5.92857	5.30913	5.23031	4.2954	4.83368	5.07488	5.93474	5.23355	5.32007
CHGB	6.22022	5.67846	5.91306	6.78477	5.75909	5.50829	5.81025	5.74912	5.28311	6.49415	5.81147	5.6367	4.95465	6.00568	5.32857	5.73121
CHI3L1	4.86655	5.13232	6.65014	4.76747	6.93537	6.19975	8.63028	9.20378	8.37894	6.53856	6.91871	7.08796	7.98921	5.90848	7.5063	8.49421
CHI3L2	6.19664	8.50644	6.92116	6.98847	6.63624	6.24355	4.64035	6.58372	6.94359	8.20911	5.72061	7.16343	6.26776	5.16038	6.88438	6.48848
CHIA	3.72099	5.7079	4.04694	3.68112	3.68084	3.32048	3.39293	4.25669	4.56553	3.99153	3.69464	3.52665	3.80685	5.06524	3.46534	3.63765
CHIAP2	5.44106	5.75797	5.69888	5.23955	5.34691	3.28947	4.42347	6.05079	5.98188	4.46314	4.49355	5.03733	5.08115	3.86642	3.89749	6.22394
CHIC1	5.1344	6.2399	5.39705	5.82637	6.38407	5.14895	6.25446	6.39959	6.20059	5.40826	5.94119	6.41202	5.86456	5.64977	5.88301	5.40703
CHIC2	6.07264	5.89886	5.60339	6.03567	5.40426	5.54525	6.38359	5.76823	6.25692	5.42929	6.3871	5.79694	6.71791	6.07154	6.11841	6.06992
CHID1	9.2707	8.47157	8.11015	8.09518	7.26997	7.84645	7.3888	6.91979	7.75876	9.27873	7.88653	8.51784	7.64001	8.79858	7.40603	7.70549
CHIT1	2.47437	2.89801	3.44341	3.02476	3.2065	2.45459	2.1009	3.70769	8.34589	2.88148	2.77081	3.07028	3.85528	3.87671	3.0951	3.13394
CHKA	7.83726	6.18679	5.49487	4.55254	5.06647	5.88749	5.22442	4.98862	5.1794	8.3171	6.61987	5.03273	5.6104	5.50277	4.75996	5.23625
CHKB	9.30247	8.78995	8.61099	8.5744	9.28207	8.35056	7.49983	8.82099	8.41433	8.54327	8.63631	9.15074	8.17252	8.83956	9.02815	8.6446
CHKB-A	6.19018	6.46428	6.28247	6.0709	6.28605	6.35649	6.21895	6.85546	5.98632	5.796	6.29584	7.01158	6.35611	6.1534	5.85869	6.26067
CHL1	8.52405	7.05741	7.06488	6.87509	5.48088	4.40301	3.97783	4.03533	6.32945	7.18095	5.80567	4.53792	4.78042	4.21854	4.32453	4.05632
CHL1-AS	2.23882	1.22235	2.07548	1.444	1.54197	1.73976	3.40901	1.54991	2.03262	1.35594	2.13586	1.59868	1.59204	1.6809	1.85273	1.42001
CHM	5.05543	5.50846	5.14382	5.662	5.73121	5.36903	5.89353	5.27758	6.12395	4.23521	5.62008	5.17686	6.15646	4.89657	5.75596	6.60657
CHML	3.95644	3.6241	3.88013	4.48662	4.86793	4.39454	4.42048	4.44723	4.4838	3.39175	4.81338	3.12278	4.90779	4.34754	4.72867	4.74007
CHMP1A	8.74983	8.69522	7.96148	8.21006	7.73123	8.14751	8.15909	8.34789	8.65782	8.15584	8.73274	8.67455	8.35496	8.67717	8.45232	7.98356
CHMP1B	7.00026	7.43226	7.43085	6.62549	6.79335	7.04899	7.25934	7.31863	7.46409	7.64917	6.77043	6.82178	7.62364	7.04364	7.36211	7.14791
CHMP2A	9.31854	9.04187	8.96961	9.84759	9.15554	9.13461	9.13461	8.77851	8.98405	9.62162	9.22173	9.64026	8.27215	9.50452	8.99254	8.84762
CHMP2B	7.52006	7.75362	7.46689	8.29264	7.39069	7.73431	7.40779	7.48798	7.92556	7.81409	7.90495	7.21035	7.85291	6.44984	7.77899	7.90495
CHMP4B	6.62843	6.60392	7.78725	7.71742	7.20891	6.5515	7.26183	5.95253	7.29669	6.50835	7.45266	6.73228	6.94323	6.21586	6.87934	6.63771
CHMP4C	7.85877	7.48787	6.64245	7.68663	6.82761	8.54172	9.45518	6.96357	8.21192	8.5017	6.94198	7.44463	7.40878	8.82977	7.94377	7.99841
CHMP5	9.81254	9.81371	10.0844	10.298	10.2283	9.33951	9.92065	10.4778	9.86652	9.49763	10.0552	9.30638	9.68026	9.88096	9.83019	10.2011
CHMP6	6.07854	6.90206	4.97788	5.19961	6.48139	5.42686	5.8678	5.57186	5.51033	6.27668	7.21647	7.28713	7.4767	6.23714	6.27239	5.6902
CHMP7	8.42133	8.7592	8.49992	8.50078	8.49421	8.47614	8.26769	8.48009	8.61743	8.22428	8.27775	8.93264	8.20888	8.60829	8.26218	8.14751
CHN1	8.22263	9.57128	9.42229	9.4325	10.2725	9.10402	9.84118	11.088	9.52648	7.69867	8.76878	8.50902	8.66637	10.9164	10.5062	8.48158
CHN2	5.55912	5.50616	5.00639	5.09531	4.57214	5.16217	4.6673	3.95509	5.87321	4.73428	5.68623	4.31108	4.25098	4.1581	4.64707	6.6672
CHODL	6.17104	7.36287	6.31876	5.50571	6.34334	6.44616	7.96455	6.35285	5.59264	6.40531	5.85664	5.79694	6.9617	7.34167	6.0877	5.60033
CHORDC	5.84093	5.85947	6.47043	6.16004	5.878	6.88587	7.2235	7.22613	6.56847	5.88542	7.2112	4.99704	6.10997	6.97599	6.54823	6.2147
CHP1	6.65808	6.99855	6.51846	7.17667	7.02326	6.0877	6.78574	6.85727	7.40328	7.44986	6.85121	5.55737	7.43943	6.76495	7.21275	6.64866
CHP2	8.24481	3.13884	2.40841	2.38778	2.55772	2.51251	2.23396	2.2672	2.22165	1.92074	2.64984	2.61134	2.10686	1.88842	2.04035	2.34348
CHPF	5.98551	5.89327	6.22214	6.25108	4.65407	5.83	4.72349	5.59748	6.61013	7.23509	4.69149	6.56051	5.44364	4.87322	5.23355	4.99562
CHPF2	5.6459	5.75191	6.00778	5.78483	4.59974	7.11036	5.4555	5.17515	5.90425	5.68446	6.02838	6.62898	5.66277	5.79852	6.2968	5.18334

CHPT1	7.02213	7.39559	6.59208	6.21218	7.8236	7.23753	5.54615	7.61408	6.89231	7.98837	4.29709	5.81323	7.67128	5.07199	6.38544	6.11204
CHRAC1	7.28741	7.57286	6.8108	7.21477	7.74368	7.28227	8.10488	6.27334	7.45108	7.33374	7.42042	6.94792	7.17305	7.72936	7.92068	7.6348
CHRD	3.98175	4.40839	4.71925	3.46371	4.07184	5.01347	2.87137	2.82844	4.10165	3.95509	3.66493	2.65754	4.59328	3.28894	3.90987	3.42081
CHRDL1	9.02378	7.40625	10.8872	9.80078	7.12136	9.41373	8.15382	9.33697	8.3212	10.0123	7.6481	10.0722	6.73533	8.57125	6.30868	8.5267
CHRDL2	3.28382	4.94502	6.24099	6.09232	5.60018	6.63108	5.493	6.15282	4.76618	6.14088	3.47644	5.82023	6.33478	6.25158	6.2336	6.31668
CHRM1	6.13735	6.14001	5.92277	5.84369	5.41899	5.94701	5.92806	5.60468	5.28829	7.09448	5.52936	5.30548	5.30913	6.0104	5.70391	5.72346
CHRM2	2.70064	2.79266	3.43133	1.16965	2.2597	2.99117	1.03884	1.96139	1.32709	1.35594	2.48014	1.63685	3.43133	2.44811	1.88334	1.42001
CHRM3	4.05696	3.70463	3.65854	2.84585	2.43255	4.11032	5.43076	3.47903	3.43168	6.20579	3.93534	3.62729	4.05092	3.11416	3.95644	2.89747
CHRM3-/	3.36587	6.38623	6.01459	5.12521	5.02465	6.03254	2.96225	5.05573	4.57635	1.96807	3.6149	5.2799	3.55868	2.51368	5.0222	4.887
CHRM4	6.14209	3.79628	5.61026	6.05136	4.10606	3.94666	6.47672	6.64457	5.72745	6.71324	3.94748	6.58543	3.12086	4.02841	4.64586	5.2085
CHRM5	6.88092	2.53824	4.92884	6.23787	5.91335	5.90676	6.42527	7.38458	6.79073	6.34969	6.28689	6.7568	6.28592	6.27509	6.70448	6.5732
CHRNA1	4.61091	4.1332	4.43188	5.12795	5.64126	4.4442	4.81141	5.97806	5.27249	5.29608	4.58067	5.27518	6.19189	4.96603	5.33582	4.89581
CHRNA1	5.316	4.86169	5.21219	4.87936	5.05043	5.31821	4.56615	5.10669	4.41015	4.42735	4.5792	4.7659	4.56123	5.42739	4.3125	6.05447
CHRNA2	7.33565	7.59977	7.43469	7.76668	7.41632	7.17993	7.45408	7.5453	7.66014	7.70859	6.9961	7.79783	6.99689	7.4238	7.03928	7.16799
CHRNA3	3.3441	3.383	3.46275	3.39175	3.43307	3.24902	5.48353	3.01995	3.77698	3.56319	3.20152	3.71875	3.01384	4.59974	4.21622	2.88015
CHRNA4	2.64224	3.7359	2.8872	3.12933	2.56905	2.97978	3.06691	3.62706	3.0564	3.24275	2.89593	2.85667	3.38408	3.55029	2.83616	3.55162
CHRNA5	6.29418	6.13585	5.78941	6.08539	6.32283	6.52891	4.16867	6.27029	5.75916	5.51925	6.08074	5.82023	6.52193	6.23371	5.63274	6.72239
CHRNA6	3.57397	1.01454	2.98152	1.73098	3.86774	2.11228	4.69773	1.44837	2.39727	1.35594	4.05647	2.48941	2.52228	5.14737	4.69327	1.37509
CHRNA9	5.26165	5.01553	4.8346	5.36713	5.14982	3.6144	4.7725	4.81522	5.41662	5.73126	5.14155	4.55254	4.79774	5.19549	5.339	5.06904
CHRNB1	3.00675	3.45279	3.94585	4.87023	3.38334	2.86136	3.08298	2.98628	4.00589	2.75002	3.75879	3.32466	3.34323	4.58936	3.78253	3.29988
CHRNB2	7.27221	6.47493	6.6685	6.84862	6.791	6.72765	7.04081	6.91829	6.93864	6.51775	6.60087	6.89231	7.1008	6.96795	6.86104	6.66787
CHRNB3	4.55059	5.38864	3.5199	5.40317	4.46957	4.65881	2.72127	4.02495	4.3777	5.52908	4.22106	4.16994	4.97329	5.15808	5.33224	4.97776
CHRNB4	5.04458	5.0136	1.44831	3.66594	1.93871	3.99153	4.80326	3.99573	2.31622	4.74589	2.52439	3.81618	4.88165	5.25231	3.64338	1.85717
CHRND	3.39513	3.25613	3.58903	3.39777	3.50802	3.4746	4.70432	3.58474	3.6241	3.70919	3.3159	3.7042	3.51845	3.41704	3.4886	4.70821
CHRNE	4.46011	3.94359	3.77935	5.17275	3.85069	3.6436	3.02067	3.68625	4.12453	4.91796	3.77659	4.75073	5.01314	4.17406	4.55579	5.07257
CHRNG	5.85355	4.65943	6.52875	6.47523	6.47083	6.50096	6.80913	6.67673	6.20487	5.37429	6.69469	6.14728	6.71324	6.56799	6.45116	6.89348
CHST1	6.09988	5.0435	6.50074	5.915	6.16109	6.73353	6.96017	5.39798	5.28677	5.33652	5.35851	6.34228	5.96497	5.43626	6.4978	5.43378
CHST10	7.22326	6.98409	6.88851	6.30186	6.40806	6.78	6.87617	6.89441	6.97684	7.1399	7.37522	7.24588	7.31697	6.79723	7.71299	6.65726
CHST11	5.1141	5.47935	5.91782	5.64043	6.50819	5.96245	5.40516	5.89914	6.72905	4.85434	7.10048	6.83449	6.07859	6.10902	5.90555	5.7441
CHST12	7.52444	8.07801	8.41541	7.91964	7.63101	8.07874	8.07664	8.0442	7.85599	7.93534	7.90263	8.44583	6.9961	7.92769	7.93216	7.75274
CHST13	4.07826	4.80436	4.27998	4.7616	4.67368	4.51913	4.78005	5.13232	5.02998	4.8213	4.31993	5.5118	5.13629	4.29087	4.32243	4.4487
CHST14	7.23137	6.95057	7.45459	7.16101	8.1427	7.72862	6.67837	6.54459	7.11246	6.12673	6.95926	8.76808	7.37425	8.71651	8.17315	8.07378
CHST15	7.13535	7.8097	8.37142	6.81566	7.83923	8.32579	7.36164	8.12204	8.5569	7.77654	7.65498	8.45757	7.55559	8.38568	8.64714	6.09622
CHST2	6.14896	6.39199	6.30069	6.29048	6.44014	6.1163	6.34799	6.13485	5.15281	5.9118	6.48629	6.52126	6.20644	6.17762	6.56296	5.0435
CHST3	5.75828	5.36051	5.2924	5.57613	5.6426	6.20375	6.32112	6.15629	4.38674	6.67644	5.949	6.03728	6.11109	6.65613	6.417	3.86449

CHST4	7.1585	6.99294	6.5579	6.63175	5.78152	6.27668	5.93927	7.28649	6.34674	6.30722	6.23371	6.73813	6.31854	5.73322	5.73121	6.94552
CHST5	6.1691	5.27219	5.52089	6.11109	4.09014	4.93889	4.56255	3.62805	5.316	4.50111	5.47087	5.31789	5.44522	5.20228	4.70148	3.83175
CHST6	7.13353	2.29438	2.96792	4.22883	1.3442	0.74252	1.95222	2.30474	1.92414	3.02948	1.03174	1.94688	0.93298	1.27177	1.00765	0.69824
CHST7	6.07584	6.42338	6.64591	6.05854	6.77897	8.28436	6.55038	6.68261	7.01407	6.37606	6.32627	6.96384	6.81119	7.38113	6.19295	5.5809
CHST8	4.40791	3.74825	2.25072	4.85873	3.75099	3.01096	4.25853	2.58708	2.90046	3.02948	2.95531	3.81618	1.97096	3.82047	3.04901	3.90548
CHST9	10.3113	8.38568	7.01338	8.99254	4.77121	5.76889	3.40212	4.6711	7.74978	8.83036	3.391	5.25407	6.12451	4.71852	4.81528	6.11109
CHSY1	9.71584	9.93918	10.7996	10.3074	10.5124	10.9503	9.6066	10.617	10.0385	9.76893	10.7755	10.3635	10.3074	9.56145	10.7062	10.5911
CHSY3	5.93081	5.9265	6.1178	6.48329	6.73214	5.95178	5.85864	5.5188	6.83917	5.6662	4.89773	5.8691	6.2802	6.28459	6.21493	5.15599
CHTF18	8.68947	8.84953	9.11184	7.98493	9.01348	9.05406	8.65638	9.31635	8.51015	7.94023	8.41069	9.58085	8.84845	8.94645	8.57988	8.55042
CHTF8	8.84609	8.77753	8.70926	8.61593	8.19936	8.00348	7.92507	8.53855	9.4722	8.61308	8.42736	8.7592	8.75771	8.57771	8.52096	8.92819
CHTOP	8.12416	8.25743	8.05323	8.12675	8.1821	8.234	8.17292	8.25224	8.76316	8.01856	8.07707	8.21161	8.17784	8.13492	8.01647	8.22973
CHUK	7.87977	8.4499	8.42362	8.0588	8.50977	8.99433	7.90945	8.56834	8.47703	8.26454	9.20565	6.44523	8.16199	8.55357	9.12408	8.59366
CHURC1	7.79893	8.22174	9.34754	8.6025	8.53091	8.23628	7.96389	8.31755	8.22037	7.90099	8.13446	8.14751	8.41276	7.65726	7.75205	8.10686
CIAO1	6.67073	6.50885	6.88505	6.23907	7.05497	6.32617	6.2401	6.34299	7.23538	6.88011	7.30458	6.75356	6.73406	6.85595	6.5764	7.04341
CIAPIN1	7.28174	6.72621	6.67683	7.2941	6.44845	6.42365	6.82575	7.52337	6.51228	6.88354	7.20295	6.48825	7.18918	7.50441	7.30071	7.21091
CIART	6.46142	6.32432	7.24036	6.17732	6.84397	6.56837	6.11924	6.61469	6.92337	7.07077	6.24092	6.43709	6.80069	6.99889	7.04472	6.27334
CIB1	11.4424	10.46	10.1952	11.063	9.24271	9.94182	9.54799	8.92258	9.52486	9.31733	9.5648	10.9679	9.30365	9.91148	9.13692	9.34108
CIB2	4.55035	3.99858	4.38415	3.81207	3.71129	4.24238	3.23115	4.55074	4.19001	5.37653	4.14154	4.99307	3.72912	4.03381	4.37418	4.00373
CIB3	4.0795	4.49537	4.53	5.58532	4.76445	4.874	4.44708	5.16063	5.70543	5.19179	4.77676	5.80882	6.27523	4.08804	5.42595	5.28291
CIB4	2.58692	3.67703	2.82464	3.02476	2.65839	3.74792	2.9333	3.37974	3.44034	3.26858	3.23213	3.64264	3.83289	3.77151	3.46534	3.10689
CIC	6.55352	6.82775	6.18719	5.86075	6.17775	6.69845	7.01198	7.30878	6.39306	6.59663	6.14382	6.12918	6.32149	7.1222	6.2296	6.13608
CIDEA	3.39513	5.47492	5.77027	5.49184	5.42456	3.83233	4.98886	5.88688	4.32124	5.49383	5.71334	4.48087	4.26368	4.63956	4.89253	5.5093
CIDEB	7.13721	7.35181	7.58963	7.18163	7.03401	6.91755	6.40146	7.47512	7.76709	6.72676	6.81398	7.21493	7.76272	7.9156	7.32785	6.17056
CIDEC	6.31876	6.24105	5.74444	5.96484	5.94464	6.34388	6.41596	6.44189	6.45678	6.29537	6.10217	6.98607	5.87302	6.31673	5.85731	6.47114
CIDECP	6.1559	5.98051	6.11327	6.42182	6.35585	5.75554	5.32594	4.5714	5.43789	5.26485	5.8355	6.02886	5.87873	6.24025	5.52397	6.52839
CIITA	5.91251	5.53424	5.75373	5.34775	5.88405	5.76354	6.21609	5.54011	5.64345	5.90663	5.74628	5.16743	5.5975	5.86038	5.5278	5.85803
CILP	6.91137	6.02581	8.75484	6.45222	7.63318	7.21008	6.66985	7.58761	6.20487	8.0815	6.25249	6.94269	6.17628	6.24639	8.21672	6.5732
CILP2	4.81772	5.20129	5.34415	5.90425	5.70455	5.57982	4.93625	5.48455	4.90793	4.72447	4.29189	6.05326	5.1084	5.17737	4.91388	4.6631
CINP	6.26814	5.20768	5.91931	5.67434	5.56929	5.88796	5.4729	6.20404	5.81223	6.3741	6.31191	5.18115	6.37458	4.9034	5.44301	5.00639
CIPC	8.63076	8.36324	8.0875	8.39162	7.96232	7.54269	8.17543	8.68868	7.66502	8.17338	7.34845	7.34416	7.90651	7.9949	7.77591	7.89679
CIR1	7.7063	7.51793	8.06948	7.87675	7.36545	6.94902	7.46529	7.93019	7.55367	7.35613	7.19625	6.76788	7.59528	7.34297	7.39425	7.37944
CIRBP	9.85394	9.50044	9.40387	9.04721	9.08563	9.01959	8.01323	7.84068	8.70602	9.96657	8.72779	9.79789	8.5288	8.54652	8.63421	8.83871
CIRBP-A	6.09528	5.87283	6.38582	6.26645	6.03389	5.96658	5.21203	6.08299	5.49545	6.19649	5.6132	6.42415	5.00917	5.92663	5.98014	5.13232
CIRH1A	7.03265	7.61366	7.19373	7.17603	7.5049	7.11435	7.22861	7.92842	7.73627	7.35571	7.96389	7.64985	8.00403	7.97727	7.6443	7.94114
CISD1	8.39281	8.53664	8.25692	8.45387	8.44788	7.40347	8.83123	8.71563	8.50717	6.98234	8.13742	8.0605	8.11404	8.33216	8.11688	8.13362

CISD2	6.83775	7.21241	7.65751	7.32444	7.55108	7.48299	7.79266	6.3708	7.53803	7.99805	7.7845	7.68776	8.05225	7.01967	7.74052	7.79266
CISD3	7.0572	7.54686	6.73406	7.28781	6.80386	6.9017	7.6407	7.54861	7.34189	7.62466	7.32444	7.86096	7.23538	7.40692	6.87603	7.60563
CISH	6.53987	6.65654	6.21558	6.07392	6.30006	6.51863	6.41949	6.30069	6.90215	6.21776	6.81149	6.88661	6.85943	6.85564	6.36727	6.22045
CITED1	1.87757	2.07729	2.07548	1.73098	1.88842	1.53719	2.0296	2.43067	1.87545	2.2766	2.56627	1.91466	2.26476	1.84505	2.14289	1.92725
CITED2	4.27418	4.86595	4.37001	4.10435	4.33776	4.81256	4.96002	5.11379	5.21059	5.2845	4.0178	4.86734	5.01256	4.70968	4.39832	4.44608
CITED4	4.35066	4.69941	4.60388	3.68112	3.42572	4.90919	4.05033	4.94996	2.35886	2.63576	3.05202	3.9549	4.6382	3.90216	2.72952	3.32854
CIZ1	4.70184	4.41908	4.4329	5.05327	5.03158	4.48301	4.3268	4.25308	4.53976	4.59852	4.52549	4.06856	4.35054	4.35634	4.95342	4.40931
CKAP2	5.35784	4.96449	6.65491	5.64247	5.46277	5.90267	5.74628	5.93894	5.77833	4.80084	6.03664	6.18525	5.55535	5.52175	5.85971	5.86436
CKAP2L	4.12999	5.94415	3.54384	6.87431	6.74201	4.50567	6.62448	4.03022	3.55701	4.72736	7.18834	5.65233	5.29674	4.97045	7.21863	6.65595
CKAP4	6.91562	7.62972	7.50708	7.44901	6.66742	8.17965	8.07912	7.26259	7.51144	7.14485	7.23414	8.6349	7.77079	8.23129	6.67015	7.81868
CKAP5	7.03928	6.93864	7.09901	6.26498	7.21675	7.70099	7.09088	7.20502	7.29852	6.35935	7.42138	7.25032	7.24306	7.893	7.54252	7.34135
CKB	9.60515	9.04808	6.97801	9.04465	7.4838	6.96924	8.00305	7.40248	7.46017	7.41115	7.33722	8.3475	8.61743	7.38356	7.89504	8.34385
CKLF	8.14952	8.85137	9.03131	9.19001	8.49332	8.76514	7.88283	7.06771	8.63124	7.3888	9.33233	9.17096	9.74393	8.49143	8.59625	8.53909
CKM	2.91334	1.54402	3.23213	3.96234	3.03309	1.95254	3.03237	2.78286	3.2065	5.75797	3.49378	3.21231	3.21485	2.16332	3.36098	2.84751
CKMT2	4.44009	5.47492	3.77106	6.19167	3.32431	4.75121	4.12999	6.48592	5.93654	4.87894	4.12088	5.35438	3.71375	4.06652	4.22367	4.04867
CKMT2-A	6.29537	6.69457	5.35438	6.80843	6.33105	6.86762	7.21508	6.93816	6.81351	6.91379	5.76967	5.99529	6.91643	6.78728	6.23856	6.52126
CKS1B	8.72368	9.40143	9.57938	9.64026	10.0629	10.0365	10.3502	9.73939	10.3603	8.53248	10.545	10.2928	10.7222	10.2955	11.048	10.9586
CKS2	9.29073	10.1153	9.68889	9.4567	10.0791	10.5789	10.0365	10.5573	10.2725	6.42146	11.048	10.2583	11.2633	9.42515	10.149	11.5856
CLASP1	6.66605	6.64772	7.02396	6.8874	7.04923	8.0442	7.7196	6.48455	6.8481	6.12974	6.31242	7.64471	6.89723	7.7042	7.52046	5.99244
CLASP2	4.96429	5.49741	5.5751	5.13399	5.28614	5.15827	5.52109	5.71111	5.55081	5.36903	5.84953	5.14562	5.24833	5.41113	5.87211	5.73281
CLASRP	7.89701	7.69023	7.21202	8.06242	7.95785	7.70859	8.95283	8.63946	7.81475	8.10309	8.03931	8.9068	8.14684	7.87876	8.25718	8.26432
CLC	3.47335	3.78714	6.51199	4.30655	2.71531	4.65553	1.03884	5.93603	5.66879	4.39917	7.09561	3.57258	3.30026	3.60186	3.20278	3.03549
CLCA1	5.37837	5.48313	5.36067	4.1095	5.42868	5.16359	3.73393	3.85505	3.63964	5.41453	5.49407	4.76686	4.77727	5.64899	5.61273	5.44287
CLCA2	5.91782	7.6481	5.9857	5.78092	6.38857	8.2773	6.87156	5.7384	7.51709	3.67803	9.0096	6.98908	5.06452	6.28161	7.14809	3.76344
CLCA4	6.7602	5.55145	5.65855	6.64693	4.82932	2.58692	5.77668	4.94996	2.70734	5.61368	8.4259	4.78683	2.42653	4.97512	6.06196	4.28288
CLCC1	5.49323	5.9294	6.04232	5.91215	6.22183	5.85506	6.23778	6.38241	5.85047	6.69348	5.86329	6.36476	5.71558	6.74459	6.16152	6.00809
CLCF1	6.48424	6.62363	6.90942	6.74735	6.70524	6.35116	6.88076	6.55254	6.11635	6.99855	6.29809	7.37885	6.7892	6.57908	6.83501	6.91129
CLCN1	2.40819	3.16637	3.55141	3.44117	3.22566	2.36638	2.06028	1.86949	2.35886	2.01376	3.28741	2.61134	3.05227	2.13594	2.84494	1.92725
CLCN2	6.57122	6.40185	5.48278	6.86877	6.55301	6.76454	7.17584	6.387	6.58264	6.2531	5.90319	7.13607	6.88611	6.33563	5.44017	6.59123
CLCN3	7.30991	6.89041	7.73284	7.60105	6.85234	6.94695	6.57453	7.24474	7.35181	7.36788	7.2634	7.00026	7.26107	7.67213	7.4644	7.42749
CLCN4	4.53938	4.99733	4.46077	4.50924	3.96188	3.94882	3.92098	4.59114	4.93308	4.56108	4.33928	3.91527	4.1422	3.45856	3.62346	3.15356
CLCN5	5.17622	4.87854	5.50389	5.63847	4.99814	4.59901	5.53716	6.10359	5.50058	5.81672	5.15941	4.96515	5.81974	4.91737	5.26131	5.39073
CLCN6	5.02649	6.07029	6.62128	6.53433	5.88955	6.26604	5.55137	6.75429	6.36476	5.81741	6.7429	5.92467	5.76985	5.44248	5.74427	6.25466
CLCN7	6.87603	6.57513	7.23955	6.84397	6.63421	6.94061	7.00465	7.29183	6.81566	7.5431	6.85234	7.30789	6.20321	6.75886	7.18784	6.31984
CLCNKB	5.88508	5.64345	5.44452	4.78762	5.71558	4.66973	4.99307	4.6975	4.1399	6.07744	4.9847	5.66879	5.04856	5.23799	4.52011	5.06616

CLDN1	6.8906	7.98356	9.41176	7.11224	9.39515	8.66724	9.7488	6.93323	8.30299	6.13534	7.29896	8.48075	8.59366	9.73939	9.37708	7.4092
CLDN10	8.26432	8.21932	8.3014	9.03434	6.60593	6.49265	6.19445	5.54537	6.05243	10.5225	5.63216	6.35935	7.25251	6.22844	5.83977	5.69738
CLDN10-	3.02599	4.98706	4.8528	3.66594	5.86972	4.95972	7.90401	3.79039	2.43603	5.36023	4.69677	4.57959	3.37673	5.62176	3.36098	3.12132
CLDN11	5.14236	5.33742	5.75322	5.67627	4.70093	4.38474	4.28059	4.43638	5.56005	5.71997	5.28356	6.0186	3.59643	4.21911	4.92117	4.26756
CLDN12	8.44675	6.76951	7.19719	7.31298	8.10258	7.14627	8.25692	6.0966	7.52611	8.02825	7.00211	5.90655	7.23391	7.11315	9.00248	8.29749
CLDN14	6.55578	5.8076	6.37566	6.11348	6.10593	6.01466	6.2013	6.67073	5.86958	6.67897	5.73705	6.96263	6.03949	6.52767	6.47846	5.83595
CLDN15	4.33416	4.37195	4.24709	4.50609	5.80739	5.11141	5.88764	4.19812	4.6316	3.19458	3.82451	5.62722	4.62999	5.76901	5.07178	4.664
CLDN16	4.3226	4.13607	4.1682	3.90548	3.9949	4.10435	3.83857	4.38366	4.82953	4.15112	5.53265	4.14691	4.61995	4.16905	4.13035	3.96332
CLDN17	4.3226	5.87972	3.55864	5.50571	3.18522	5.1893	5.28718	5.97974	3.95837	3.11051	4.44812	5.84898	5.66559	3.57546	5.35772	4.24336
CLDN18	3.25775	4.34754	4.02048	4.481	3.97955	3.85675	3.364	4.55111	4.12115	4.42204	4.09547	3.92493	4.67628	4.92411	3.70011	3.42226
CLDN19	5.60149	4.58104	5.30515	5.36141	4.62626	5.4737	5.8694	6.44252	5.80993	5.58637	5.36028	5.65144	5.73609	6.86221	5.96577	6.11433
CLDN2	6.13095	5.48547	4.96449	6.1373	6.54459	4.98736	6.08549	6.31316	6.45026	6.73719	6.50979	4.74678	5.9848	5.6617	4.8692	6.63564
CLDN20	7.17031	6.23163	6.38823	6.11348	6.59384	7.39425	5.90764	6.97459	6.26239	7.61626	6.22003	5.91457	6.6692	6.90832	6.73909	6.29282
CLDN23	5.42917	3.90408	4.02752	4.14477	3.6392	4.16172	3.0432	3.575	3.78662	4.6711	4.47947	3.24799	3.98126	3.47163	2.92289	3.29232
CLDN3	6.03318	4.43688	3.24511	4.37418	3.47705	3.28382	3.82301	4.06856	3.05435	4.31413	3.3464	3.63634	1.80217	5.32428	2.79087	3.99287
CLDN4	7.04863	7.48326	6.95188	6.85993	6.28161	6.34254	6.28211	6.81648	6.78015	6.44179	6.73828	7.31308	5.55803	7.62531	7.17415	6.53241
CLDN5	8.09491	6.69201	7.39238	7.66951	9.09179	7.43749	7.67366	4.98541	6.73987	7.09849	7.63667	7.16831	6.46809	8.32089	5.82511	6.46185
CLDN6	4.41415	3.65431	3.98857	3.79013	4.2174	3.80647	4.42178	3.46297	4.22024	4.5453	4.4903	4.1861	4.34289	4.59407	4.01411	4.96394
CLDN7	9.52327	8.41335	7.93534	8.25224	7.14603	6.8133	5.61494	7.1455	6.97684	8.97654	7.83571	7.71686	5.3152	8.45848	6.9682	7.41008
CLDN8	8.71164	2.93032	4.89489	6.34538	3.35289	1.19537	2.78886	1.99703	2.93758	7.72445	1.48752	2.13113	2.66449	1.1104	1.94998	1.32709
CLDN9	6.45334	6.40333	6.47269	5.83329	5.82	5.8691	7.04587	5.23907	5.6875	6.93653	5.972	6.35103	5.89672	4.49472	3.87472	5.5865
CLDND1	6.59027	6.21309	7.06297	6.44056	6.78362	6.82917	6.27962	6.57303	6.56032	5.87547	6.12881	6.93183	7.47911	6.41511	7.31755	6.91944
CLDND2	6.25948	6.38914	5.65538	6.5782	6.1534	5.38217	6.68013	6.14509	5.58889	6.14608	6.23907	6.37748	6.24198	6.09928	6.07264	6.32291
CLEC10A	6.02057	6.97383	7.32307	7.44243	6.07037	6.98738	4.58061	6.04567	6.34176	6.06544	6.89428	7.53627	6.95289	6.78926	6.7349	6.38529
CLEC11A	5.37458	5.09944	5.63371	5.61572	5.70907	5.41358	4.89043	4.7795	5.51228	5.65385	5.87434	6.17896	5.12034	5.12314	5.40235	4.1681
CLEC12A	3.37247	3.96188	3.65431	3.83039	4.28639	4.69357	4.00539	3.93385	4.28519	3.27667	5.72608	4.45943	5.5734	3.6244	4.3717	4.58428
CLEC12B	2.99117	2.55333	2.58278	2.57293	3.40212	3.9712	3.11174	2.60621	3.03288	2.99709	3.60386	2.21254	4.42491	3.32397	1.93635	3.96659
CLEC14A	4.6779	5.05059	5.83595	4.48486	5.89512	5.90676	2.8619	4.9083	4.34561	4.3268	6.78863	5.89994	4.0405	4.11853	5.64227	4.7575
CLEC16A	5.77127	6.6015	6.10217	5.21453	5.82855	6.42572	4.7932	6.15976	5.07937	6.09189	5.9645	5.00482	6.17117	6.86689	4.85291	4.89016
CLEC1A	5.7104	6.24815	7.2609	7.14277	7.8312	6.93816	7.25866	8.75966	6.75235	5.86096	7.25283	7.89346	6.9686	9.2048	7.45515	6.22003
CLEC1B	5.06786	6.14859	4.05393	4.2727	4.01012	3.79752	3.68625	4.1207	3.65431	4.11175	3.43836	4.84165	3.93646	4.60279	6.10334	4.389
CLEC2B	5.03697	5.76532	7.86145	5.72382	7.76606	7.28538	7.11224	7.38166	7.74136	5.0671	8.63776	6.93962	6.31668	5.44072	6.36107	5.85558
CLEC2D	4.65818	5.88125	5.60255	6.30958	6.66976	5.78238	4.84684	6.30648	6.00649	4.35866	6.41737	5.71961	5.51616	4.22052	5.6046	5.92656
CLEC2L	5.26165	4.98989	4.07133	6.16508	6.21853	6.24355	6.34587	6.69482	4.52011	6.54841	6.24943	4.68488	2.96494	5.73039	6.43998	6.01401
CLEC3A	3.90594	2.82798	4.9891	1.85049	4.14888	4.49442	1.03884	3.98218	4.72987	4.67521	2.99709	5.22251	4.31215	1.5436	3.58891	4.78652

CLEC4A	5.7212	6.69863	7.39967	6.73659	6.54598	6.6025	4.97871	6.72905	6.82737	5.582	6.30419	6.73292	7.76765	5.99607	8.38085	6.2599
CLEC4C	3.99254	4.75373	5.10724	5.00256	4.4644	5.55398	4.44382	5.87462	5.16078	4.25546	4.27794	4.43705	5.5046	4.68408	4.58988	4.84732
CLEC4D	4.90793	5.54645	5.3795	5.44274	5.55922	5.70391	4.89657	5.59022	5.12987	4.65553	7.36211	5.77398	5.5803	4.91834	4.10658	5.17462
CLEC4E	3.51167	4.67745	6.6672	3.92882	5.82721	4.60868	5.05836	6.49706	7.10635	4.24019	7.55529	4.11164	7.72596	4.3041	5.74943	5.29597
CLEC4F	6.28982	6.92136	6.74735	7.59765	6.30893	7.66548	6.10048	6.41307	6.22381	6.73346	6.417	6.36444	7.08815	6.70552	6.11992	6.81286
CLEC4G	3.84315	1.88256	5.48664	3.64199	3.16569	3.20546	3.53968	3.43351	1.98342	4.68824	2.95531	3.15604	1.68682	3.14828	2.84494	2.65953
CLEC4GI	6.24408	6.73923	7.15432	6.32705	6.4479	6.90431	6.65474	6.60003	5.92206	6.16561	6.47995	6.94269	6.33034	6.20951	6.30778	5.97739
CLEC4M	4.38162	3.80815	4.67601	5.53181	5.09309	4.68339	4.90933	5.29857	4.35831	4.30631	4.45523	5.19361	4.62927	4.18221	4.25636	4.72163
CLEC5A	2.16905	1.91586	4.44939	2.45536	6.23107	1.19537	5.1218	2.34717	3.31034	2.50603	6.66307	4.21622	6.15236	6.16386	7.13044	4.24336
CLEC7A	3.70847	5.51869	5.18054	5.04372	5.21642	4.6016	5.30238	4.91294	4.99358	4.28922	5.52577	4.30301	5.82956	5.32848	4.6954	5.19754
CLECL1	5.61854	6.57488	6.24994	6.55687	6.46401	6.18149	4.66023	6.58169	6.09252	5.36786	6.09956	5.82413	6.77874	5.52864	6.22079	5.39292
CLGN	7.67042	6.44624	4.95701	6.38441	5.58598	4.22923	6.10048	4.83606	4.49404	6.39685	3.20659	4.81149	5.30913	7.23063	5.49373	5.04116
CLHC1	7.14347	5.85352	4.5182	6.03567	6.69103	5.19867	5.88216	6.64641	6.69077	6.75482	6.00381	6.60204	7.12996	6.12371	6.27917	7.13607
CLIC1	10.9732	10.7696	10.3045	10.9279	10.0919	10.2039	9.71584	10.3833	9.91148	9.71435	10.8573	10.4387	10.3399	10.2771	10.2825	10.3228
CLIC2	5.97772	7.1078	8.55293	7.94201	7.95297	7.29287	8.79617	8.68694	7.82848	5.80026	7.77539	7.09088	8.19358	8.46329	8.40426	8.49565
CLIC3	4.88663	6.33362	6.12624	5.26197	4.648	3.22527	4.99448	4.77096	5.06242	4.79873	7.74136	6.64604	1.73296	4.97045	0.93298	5.76162
CLIC4	5.41534	5.19085	6.54403	5.84269	6.02667	6.04735	5.87687	6.2519	6.41388	5.64319	6.81688	6.24025	6.10744	6.38805	6.2383	6.16667
CLIC5	6.08654	6.02213	6.0893	5.99118	5.80526	5.81438	5.6823	6.11453	6.04708	5.72358	5.80193	6.16313	5.84712	5.61919	5.35346	5.82413
CLIC6	8.94055	8.02161	7.29703	8.36393	5.05959	5.69545	6.0966	5.43465	6.58226	8.15443	6.46712	6.80386	4.56273	5.55384	5.6952	6.17984
CLINT1	7.12924	7.04441	6.99931	7.00737	6.77516	6.5465	6.95361	7.07175	6.9017	7.15669	6.85927	6.48887	7.12611	7.1553	6.81029	7.14332
CLIP1	5.11501	5.53967	6.02426	5.78774	5.31293	5.4498	5.9804	5.23546	5.86038	6.0936	6.37657	5.05847	5.5234	5.48353	5.68517	5.43004
CLIP1-AS	4.02962	3.86925	3.53502	3.60342	4.92674	4.10435	3.60262	5.96686	4.55066	5.29139	3.54938	3.69374	3.89335	3.82047	3.33112	3.55993
CLIP2	3.04535	4.30232	4.89789	5.62157	5.8937	5.70221	5.93156	3.98218	5.96744	3.73393	4.32782	4.99448	4.39532	6.75243	6.35116	5.44618
CLIP3	4.46856	4.3447	5.03761	4.95474	4.56192	4.93851	4.63315	4.57777	5.08109	4.59206	3.83289	4.69157	4.53474	3.70377	4.70611	4.30583
CLIP4	6.21895	6.94374	6.7396	6.68061	6.56402	6.16754	5.66581	6.61572	7.26423	7.78548	7.31755	5.17831	5.51869	6.68097	6.0728	6.34146
CLK1	7.85368	7.24097	8.85679	8.07938	8.85614	7.43953	5.69581	7.62511	8.11962	8.16548	7.61565	7.71287	7.25098	6.65003	8.09933	7.59141
CLK2	7.59595	7.16235	8.28774	7.63528	7.78755	8.40549	7.18371	7.50195	8.2149	8.99433	8.29356	8.31492	7.72199	7.12611	7.72953	8.30977
CLK3	6.66158	6.8966	6.57895	6.84737	7.00638	6.61862	6.97123	7.41093	6.51834	6.83067	6.70561	7.37635	6.59283	7.18281	6.99749	6.82623
CLK4	5.91288	5.72249	6.83297	6.13654	5.25974	5.27801	6.21237	5.58593	5.2818	5.66963	6.37229	5.64371	5.61383	6.57598	6.27377	6.02224
CLMN	7.58232	6.17824	5.70016	6.16097	4.25033	4.19812	4.60801	5.22934	5.86584	5.9177	5.28422	3.92436	4.7199	3.9093	4.20975	4.53328
CLMP	4.01473	5.57884	5.63752	5.16102	5.30772	5.16507	3.17475	6.00586	6.26114	5.15982	6.76898	5.23284	3.5826	3.34048	6.36574	5.36481
CLN3	5.99171	6.30821	6.22685	6.54598	6.52209	6.2519	5.58663	6.39369	6.90246	6.06691	6.50696	7.45743	6.69702	7.18198	6.84076	6.55313
CLN5	7.36164	7.45051	7.42138	7.62564	7.49911	7.10048	7.27645	8.22106	7.40302	7.67213	7.48831	6.86793	7.29703	7.90137	7.56028	7.8222
CLN6	5.80853	6.48825	5.96269	5.45881	5.65251	5.85412	6.01372	5.62634	5.99359	5.96359	5.85506	6.32531	6.24346	6.30993	6.0632	5.88677
CLN8	5.2212	5.02791	5.00175	4.99102	5.03535	5.07404	5.26452	4.86411	4.63799	4.48705	5.30515	5.0963	5.34934	5.64371	4.44608	4.83644

CLNK	5.82205	6.02617	6.51	6.16413	5.74912	6.34446	5.30969	5.6104	5.64598	5.24136	5.24375	5.50113	6.11232	5.9209	5.50846	6.19313
CLNS1A	8.37199	8.22263	8.28608	8.49182	7.71385	8.9238	8.43657	8.85906	8.27303	7.3695	8.31492	7.85698	8.06968	8.93712	6.38617	8.13742
CLOCK	6.63598	6.15777	6.1983	7.15452	7.12396	6.44381	6.56901	7.00096	6.55657	7.48798	6.54748	6.5305	6.99781	6.44083	7.49656	6.62448
CLP1	5.363	5.82616	5.68071	6.12774	5.83559	5.8678	5.55036	5.76704	5.42963	4.97582	6.13872	5.53716	6.18336	5.96074	5.41899	5.6503
CLPB	4.30345	4.95264	5.11194	4.72092	5.07937	5.24225	4.6793	6.71524	5.7021	5.07404	5.90883	4.72517	4.04407	5.09667	5.37386	5.23459
CLPP	7.91384	8.39387	7.99918	8.32816	7.77339	8.15253	7.70293	6.74459	7.8664	7.94402	8.04178	8.05758	8.62766	8.48129	7.61271	8.3384
CLPS	5.78082	4.71408	2.55526	2.88071	3.66644	4.06264	4.18377	3.19037	3.35168	4.17211	4.49934	6.16614	5.17075	5.34223	4.21771	5.55105
CLPTM1	5.55605	4.40931	4.33201	4.30345	5.38803	5.99473	5.92308	4.86513	6.72743	4.18588	5.8361	6.94509	5.90267	5.53338	5.54853	6.0385
CLPTM1	7.75127	8.36471	7.89457	8.09031	7.38227	7.81302	7.11276	8.30008	7.71776	8.55042	7.71017	8.55331	8.06036	7.46816	8.12453	7.46733
CLPX	7.8749	8.20021	8.2233	8.39387	8.70235	8.57592	9.28755	8.93712	8.49676	8.17903	8.04873	7.44322	8.25013	8.63992	8.75124	8.69882
CLRN1	3.96659	3.25175	3.57447	2.75034	3.77762	3.39777	4.44904	3.86158	3.41734	3.16581	3.5606	4.01937	3.79556	3.0279	3.76474	3.94907
CLRN1-A	5.14061	4.1932	3.93627	6.57702	5.67359	5.13024	6.02435	5.69472	5.31934	5.38528	5.34835	4.7521	6.34438	3.29459	5.73281	4.92092
CLRN3	1.84505	2.56774	3.59844	1.89139	2.36593	2.11228	2.45415	2.07548	1.26079	2.42411	2.27492	2.48941	1.63986	5.93474	2.69546	1.37509
CLSPN	4.91313	4.92411	5.4816	4.75073	5.18956	4.81317	5.53864	5.32787	4.71878	4.75405	5.13936	4.78876	5.31876	5.10961	5.36209	5.34859
CLSTN1	9.86381	9.34547	8.72158	9.41034	8.54726	10.1423	9.58085	9.61505	9.36057	10.0029	8.59168	9.72612	8.90041	9.20103	9.33951	8.97054
CLSTN2	3.30396	2.47728	4.93889	3.40514	4.31594	4.29501	5.5734	4.0178	3.16073	2.87137	3.00732	3.55838	3.30982	2.96225	6.2885	6.02979
CLSTN2-	5.36009	6.1607	3.66581	3.27048	4.97974	6.176	5.17316	6.42707	6.1983	4.99475	5.75916	5.70078	3.37673	3.57546	5.21941	5.45261
CLSTN3	3.99584	4.68339	4.06126	4.47048	3.65448	3.90614	5.11637	3.61778	3.80565	4.55142	3.86158	4.09275	4.2307	4.43638	3.29289	3.98264
CLTA	7.689	7.75071	7.18095	7.86869	7.83799	7.82179	7.53221	8.42856	7.63154	7.66787	7.79893	7.8327	7.82446	7.83845	7.89062	7.73231
CLTB	7.49816	7.86174	6.6512	6.95361	7.22925	6.82962	7.76184	6.57255	7.25315	7.70895	7.20402	7.15958	7.82579	7.36476	6.48414	6.52602
CLTC	5.67998	5.5278	5.29048	5.39469	4.77818	5.78564	6.23107	5.71666	5.05059	5.63847	5.83474	5.91749	5.09969	5.50982	5.41616	5.41161
CLTC-IT	2.65839	2.67513	3.02585	2.61385	3.14557	3.32048	2.5047	2.61382	2.67969	3.79424	2.66551	2.55562	3.00618	3.12884	2.26702	3.03549
CLTCL1	5.32883	5.57693	6.29235	5.64142	5.62183	6.43414	6.17104	6.71583	6.19667	6.28135	5.79396	6.22183	6.16168	5.11666	5.79464	5.59764
CLU	8.95432	8.89283	8.57691	9.03052	6.7914	7.53069	8.5267	7.57827	7.99608	10.0245	7.62329	8.19658	5.20037	8.83478	6.61197	6.01778
CLUAP1	6.80898	6.06691	5.40915	7.15791	6.29439	6.31191	6.14906	5.99882	5.59883	5.15554	5.17854	5.2058	5.96559	6.19018	6.4707	5.78301
CLUH	9.00017	8.13968	7.79314	8.19059	7.84852	8.17759	8.71747	8.31557	7.44322	7.67387	8.92473	9.90431	8.78234	9.19751	8.24659	8.15161
CLUHP3	5.5459	5.20433	5.6314	5.13206	5.2058	5.79509	5.11244	6.42897	5.26053	5.72807	5.28081	5.54011	5.05274	4.96284	5.06334	5.45997
CLUL1	6.29126	6.17652	6.21767	6.53433	6.80229	6.34737	6.20894	5.52895	5.84835	7.6183	5.5307	5.71898	6.0929	6.14663	5.88887	6.24261
CLVS1	6.44456	6.58386	5.94768	5.9082	6.20362	6.4856	6.77986	6.39586	6.29946	6.22203	5.74472	5.28266	5.98777	6.22003	6.42442	6.15096
CLVS2	2.68367	4.64949	3.95055	4.94944	2.58828	4.7668	2.47678	5.30178	4.77313	5.01601	5.12109	4.11653	5.12297	5.12503	2.84494	3.44273
CLYBL	5.46507	5.73335	5.44364	5.53126	5.32774	5.22796	5.5837	5.31136	5.32848	5.85348	5.24336	5.63228	5.11309	5.68466	5.24763	5.31876
CLYBL-A	4.28431	5.51616	5.55482	5.45206	4.84616	5.84203	5.05601	5.44975	4.7581	5.1056	5.24464	5.21937	5.47507	5.42385	5.38495	5.28694
CLYBL-A	4.96173	4.96244	5.12923	5.16352	5.42868	5.55264	5.67516	6.27334	4.70432	4.15112	5.5307	5.90267	3.82075	5.3792	5.64923	5.89863
CMA1	5.39305	5.38125	6.22069	6.1545	4.16584	4.29854	3.95924	6.19989	4.43347	5.71898	5.9554	5.23346	5.05646	5.47358	5.73768	5.23232
CMAHP	5.51727	4.4703	5.14709	5.30102	5.62589	4.25052	4.49209	4.48338	4.74183	5.22858	5.01906	4.55465	4.36536	3.51301	4.67394	3.912

CMAS	5.71805	5.78927	5.57261	6.66328	7.24674	5.90098	6.52299	5.6558	6.77387	6.41991	6.2885	6.29208	5.80698	5.05005	5.79149	6.21609
CMBL	7.75007	7.48719	8.33937	7.33526	7.06945	7.03543	8.11826	7.62934	7.2941	8.04951	6.44646	7.11366	7.72648	7.63257	7.44463	7.60613
CMC1	8.81989	9.08426	8.69379	9.61578	9.14677	8.8844	8.62766	9.31398	9.46488	7.99026	9.06394	9.28374	9.93918	7.90263	8.55383	9.65609
CMC2	8.22019	9.17857	8.89663	9.15028	8.87234	9.0587	8.94645	10.2496	9.43913	8.63028	9.39808	9.36926	10.0472	9.30916	8.55452	9.17029
CMC4	8.55383	7.91508	7.05207	8.11184	7.85642	8.28007	6.71256	7.76876	7.93338	7.23137	7.62995	7.81268	8.89192	7.05207	7.45051	6.97684
CMIP	6.16082	6.55426	5.85641	5.98083	5.20433	6.71426	6.02339	6.07982	6.4495	6.19553	5.90706	5.79898	5.81036	6.2804	6.37168	6.21493
CMKLR1	4.37195	5.10043	5.34835	4.0743	4.67509	4.62832	5.19512	5.74052	6.00101	4.94835	6.28247	4.65837	5.67859	4.78683	5.29829	5.54631
CMPK1	8.00713	7.98398	7.77962	8.01367	8.06265	7.59211	8.03931	7.28595	8.36277	7.99608	8.39116	7.5216	8.75045	7.74792	8.33525	7.87611
CMPK2	8.65107	8.70805	10.7105	9.23091	10.5954	8.69522	10.5021	11.5856	9.30638	8.09751	11.2756	9.39051	10.0079	8.91149	10.5276	10.2145
CMSS1	6.21237	7.11147	7.22549	7.743	8.33874	7.40507	8.59366	7.61366	7.11405	7.78427	8.43605	7.74542	8.83547	8.36732	8.76046	8.69776
CMTM1	2.22387	2.68152	3.63292	2.99513	4.48961	2.5608	3.09284	5.84791	3.47417	4.73045	3.84154	3.63872	3.7093	4.07129	3.82745	3.63476
CMTM2	4.64929	5.79284	4.44205	6.14034	3.7606	3.5373	6.1475	4.20991	5.13395	4.0807	4.35988	5.70387	5.92314	3.82047	4.61929	3.5127
CMTM3	6.78049	7.08147	7.528	7.19424	7.53607	7.50324	6.5302	6.30993	7.08897	7.19454	7.69369	7.5514	7.02233	7.02771	7.2924	7.09026
CMTM4	7.37234	7.10564	6.82125	7.01847	5.43789	5.52199	6.22548	5.99003	6.94188	7.5216	5.73235	7.08097	6.438	7.19487	6.40841	6.00079
CMTM5	6.24408	6.40488	6.41846	6.77365	6.62425	6.27405	6.73729	7.2551	6.35794	7.02816	6.32843	6.81576	6.52193	6.08539	6.31261	6.85234
CMTM6	6.15329	5.35947	5.6905	6.14773	6.57541	6.06026	5.72647	6.17117	6.00778	5.66737	6.03089	5.59906	5.18876	5.782	6.05999	5.26563
CMTM7	8.84421	9.33951	8.89445	8.89663	8.15803	8.69194	7.32389	8.78881	8.79448	9.00106	8.42344	9.21594	8.055	7.77298	8.07513	7.95757
CMTM8	8.58624	8.46798	7.62972	8.61369	4.7864	7.96656	8.06728	6.33407	7.06144	8.27971	6.41007	7.50104	6.20535	6.35027	6.41633	8.32816
CMTR1	7.28279	7.46847	7.31952	7.39575	7.608	7.34787	8.01099	8.31053	7.98333	6.97588	7.65049	7.75751	7.24572	7.85877	7.45844	7.38721
CMTR2	7.44109	7.87691	7.8954	8.21298	8.22616	7.36657	7.35509	7.18935	7.58828	7.25999	8.2149	6.94016	8.19149	7.66201	7.86294	8.38448
CMYA5	5.24525	5.82306	5.25573	5.04924	4.22158	5.38706	5.74957	5.34613	5.73754	5.69813	5.45648	4.87431	4.68708	5.27002	4.36649	4.95945
CNBD1	4.792	5.61959	5.52883	5.38571	4.97026	4.70639	5.78029	5.36713	5.54233	5.60876	5.38189	5.84375	5.25141	5.72572	5.19731	5.04974
CNBD2	3.88236	3.94319	4.20237	3.44676	4.13561	3.39655	4.20714	4.32178	3.60129	3.43881	3.52848	3.87707	3.70947	3.14028	3.778	3.25579
CNBP	9.1663	9.47711	9.64884	9.7224	9.43176	9.73221	9.86158	10.1516	9.82232	9.85557	9.36362	9.4807	9.57352	9.50744	9.6978	9.57255
CNDP1	3.26635	5.59938	3.79162	5.70679	2.97095	3.50802	3.32901	3.41422	5.36454	4.56572	3.64053	4.99814	2.98256	3.36587	4.92663	6.27907
CNDP2	6.73115	5.78665	5.92548	5.49685	6.58198	6.45822	6.28503	6.79474	6.71732	5.9848	6.60987	6.58127	7.23519	6.06884	6.86618	6.73828
CNEP1R1	8.58419	9.07809	9.75979	9.09013	8.91995	9.56326	8.54803	9.42873	9.0587	8.59168	9.30484	8.62766	9.26758	8.70461	9.21483	9.39808
CNFN	5.71986	6.31677	3.88236	3.1994	4.02718	3.73699	6.7273	3.70769	2.79078	5.50973	8.66183	3.08704	3.36189	3.6977	3.60386	3.54848
CNGA1	5.94789	5.86534	6.03198	5.54883	5.7441	3.55971	6.53623	6.51704	6.03446	5.95178	6.36189	6.29102	6.80553	6.06808	6.88379	6.18553
CNGA3	0.73695	0.69487	0.61335	0.64437	0.90941	0.89896	0.61735	1.51119	1.18021	1.00522	0.90097	1.54854	1.11444	1.02124	0.6733	0.9183
CNGA4	6.07854	5.79711	5.15888	3.94629	4.68584	5.2799	6.08549	6.26403	5.67968	5.9832	5.05683	4.96224	5.88635	6.09928	5.38203	5.14578
CNGB1	3.63292	3.1481	4.13561	3.31564	3.19212	2.90235	3.28382	3.84488	3.57557	3.27899	3.18863	3.61885	2.84914	3.19212	2.85497	3.81646
CNGB3	4.9251	3.48703	4.23705	2.01729	4.54368	3.77125	4.39311	4.45447	3.70332	5.47317	5.16359	4.64035	4.43114	4.56661	4.87799	4.31281
CNIH1	9.69974	9.76893	9.75247	9.68695	10.0667	10.0472	9.70215	9.64667	9.4421	9.99282	9.50129	9.96657	10.0444	9.05644	9.49038	10.2257
CNIH2	4.05217	4.64949	5.56009	4.32526	4.61811	4.75121	2.56625	4.65546	4.06039	4.11891	3.87668	4.01677	4.21419	4.63956	5.45637	3.0606

CNIH3	6.34228	6.16895	6.23199	6.60922	6.52193	6.46324	6.52505	6.49401	5.70264	6.06212	6.12725	6.05129	5.83334	6.12195	5.7512	6.2519
CNIH4	6.77024	6.84787	7.12084	7.07467	7.2075	7.45198	7.67787	7.09448	7.63603	6.87351	7.66647	7.18281	7.85138	7.07392	7.17018	7.43803
CNKSR1	7.4627	7.23459	7.04312	7.42325	7.06434	7.13829	7.40184	7.51388	7.82848	7.19867	6.70101	7.03381	7.10916	7.15313	7.13044	7.30509
CNKSR2	4.75041	5.03614	5.0671	5.55308	4.40913	5.4309	4.34547	5.19592	4.60364	4.10686	4.7795	5.13458	5.15451	4.77306	6.09307	4.9001
CNKSR3	4.25546	4.5294	4.34161	3.86261	4.8047	4.96673	5.44733	3.3373	4.36458	4.03976	4.73894	4.45148	3.48538	5.12719	4.46753	4.35988
CNN1	3.81865	3.23142	3.27793	3.73033	4.97974	3.49365	5.51451	4.70767	4.91034	7.40525	3.69464	3.79097	3.72312	4.02841	3.60386	4.2082
CNN2	7.95203	8.91477	7.97957	7.92999	8.61036	8.03214	8.18536	8.5483	8.66226	8.8433	8.55896	8.93046	8.39024	8.11103	8.50194	8.52003
CNN3	6.09691	6.60847	6.49318	5.05078	7.68438	6.20277	6.83375	7.21191	6.62111	7.28032	7.12749	6.42187	6.73759	6.97325	6.62636	5.08786
CNNM1	5.48692	6.13585	4.94061	4.62434	4.9039	5.74089	4.34027	5.62474	4.49404	5.67434	4.2061	4.48458	5.50625	5.28671	5.73121	4.45493
CNNM2	6.45994	6.54977	6.03131	5.68558	5.33521	6.14498	5.27316	5.41821	6.04328	6.07023	4.73468	6.17732	5.15758	6.02667	6.04396	5.97627
CNNM3	6.35366	5.20259	4.33776	5.3392	5.38965	5.20828	5.73534	4.15015	6.1544	5.38177	6.14565	6.24897	6.12219	5.7076	6.04278	5.98518
CNNM4	5.53595	2.74824	6.3346	5.64142	6.65966	5.21505	4.5939	6.24793	7.08603	4.91332	3.58961	6.37229	3.9262	4.76631	5.88618	6.68871
CNOT1	7.39133	7.56746	7.28322	7.51172	7.61336	6.95493	6.77908	7.09292	7.89722	7.37585	7.49082	6.62746	6.7168	7.49816	6.69306	7.78725
CNOT10	7.19334	6.25289	4.05393	3.90548	7.09717	3.98206	4.008	6.33679	6.54247	4.24348	7.019	4.80362	4.68584	4.13014	6.89847	7.42469
CNOT11	7.94991	8.13222	7.73081	7.2775	7.90366	7.65234	7.87018	8.27215	7.98418	7.27062	7.93484	6.76142	7.79266	7.93338	7.84747	7.38598
CNOT2	7.34801	7.22425	7.58264	7.28385	7.71275	7.59595	7.91926	7.48683	7.72117	7.3363	7.13836	7.22399	7.04472	8.11142	7.99096	7.33768
CNOT3	4.65655	4.35425	5.24301	4.58796	4.20957	4.86845	5.08968	4.92635	4.63084	4.99245	4.71358	4.42002	4.49355	5.26386	4.69635	5.00608
CNOT4	4.68245	6.01939	5.01612	5.08353	5.60533	5.58559	5.69186	5.0266	4.99733	4.89553	5.63161	5.59746	5.51915	4.77076	5.96359	5.10935
CNOT6	8.67112	8.06218	8.09341	8.36759	8.40046	9.32342	9.23508	8.46273	9.03764	8.21644	8.66724	8.02774	8.60967	8.52989	9.23319	8.32009
CNOT6L	4.57197	5.85667	5.20466	4.54546	4.89098	5.2002	4.61408	5.50431	5.68993	5.51616	5.6823	5.4597	5.34415	5.43465	5.02484	4.69635
CNOT7	6.83297	6.74939	6.6179	6.77644	7.76388	7.47334	8.03137	7.67591	7.3695	6.8071	7.371	6.44327	7.58194	8.04247	7.11055	7.30705
CNOT8	7.4647	7.45198	7.36398	7.5749	7.43085	7.12205	6.17762	6.95057	7.27505	7.08193	7.61077	7.46862	7.65092	6.97123	7.43943	7.43906
CNP	7.53729	7.47423	7.69696	7.6003	7.75334	8.19911	8.74527	8.30517	8.21355	8.07513	7.82939	7.85248	8.21095	7.91786	8.31666	7.7642
CNPPD1	7.39033	6.54672	8.13389	7.85138	6.984	7.74945	7.01792	7.1855	7.09167	7.96786	6.94242	7.50708	7.8754	6.90246	7.83406	7.04642
CNPY1	4.39937	3.06378	2.72411	3.57686	3.53849	3.49365	5.32956	3.43351	3.06765	3.94629	4.74589	5.01532	4.36086	4.16905	4.92331	4.7575
CNPY2	7.5369	7.71725	7.58648	7.83323	6.87053	8.31815	7.57741	8.05838	7.67813	8.5483	7.88984	8.68206	8.13492	8.02106	7.44685	7.86294
CNPY3	6.89788	7.09477	6.2395	6.95926	6.73798	7.17104	6.80489	6.34809	6.53697	6.61138	6.1275	6.79985	6.21558	6.27955	6.76123	6.71524
CNPY4	5.50431	5.53684	6.93736	5.05601	6.08958	6.73798	4.71408	5.92433	5.42221	5.81304	6.21022	6.57895	6.21299	6.23263	5.12779	5.78258
CNR1	4.62908	4.70305	5.27864	5.38177	6.07787	5.38754	4.74277	4.83125	4.12155	5.18054	3.88996	5.35652	4.73468	4.33201	5.18736	5.00238
CNR2	2.79297	3.77816	6.10547	4.32526	4.77676	5.59054	6.69536	6.68677	6.38787	4.73279	7.01348	4.4103	6.12219	5.83086	6.12515	4.67557
CNRIP1	6.33556	7.30649	7.81534	7.533	6.91418	7.79551	6.88475	8.11898	7.25065	7.37319	7.07279	7.64096	7.14464	7.33347	7.64769	7.61481
CNST	6.05863	5.26786	5.98768	5.71395	5.70933	5.62247	5.09551	5.51713	6.10828	4.65582	5.35652	5.44477	5.62168	4.92884	5.47514	5.79382
CNTD1	7.54789	2.53824	3.90511	5.80702	3.96564	3.79752	3.94849	3.85505	3.33041	5.27076	3.69464	5.05705	5.4025	5.05858	3.26899	5.57083
CNTD2	6.67673	6.90963	7.34582	6.78477	6.6688	6.90431	7.19524	7.8415	7.27385	6.38025	6.09708	7.8854	6.12594	6.61919	6.95659	6.7877
CNTF	2.96659	4.48984	4.40922	3.53793	3.57987	3.42836	3.65785	2.64349	4.97	4.25792	3.13394	2.94469	3.46411	3.05474	2.70965	3.44273

CNTFR	7.39737	7.13829	7.54261	6.42182	6.64633	6.87122	6.98991	8.26281	7.26665	7.09448	7.07482	6.80813	6.99057	6.86345	7.01469	6.74887
CNTFR-A	3.66359	3.96826	4.33928	3.16609	3.90468	4.81846	4.34433	4.08258	4.14888	3.0635	3.9523	4.30345	4.3919	3.86261	4.12453	4.09708
CNTLN	5.02998	4.79283	4.78736	4.5207	4.35094	4.73297	4.96752	4.47382	4.99958	4.54145	5.82241	4.39937	4.0178	5.03262	4.30874	5.88125
CNTN1	3.91094	3.26474	4.8832	5.05621	5.30238	4.87769	5.77214	3.3733	5.38189	5.83143	4.73535	4.31071	4.80725	3.61082	5.00871	6.03089
CNTN2	2.64766	2.35901	2.49682	2.84032	4.3635	2.57444	2.4026	3.6751	2.94657	2.65253	2.26456	2.65667	4.19001	2.7137	3.39175	2.21029
CNTN3	6.87735	5.57111	4.71654	5.45206	5.50313	3.30682	5.59446	5.02351	5.55466	5.92053	5.5763	5.30024	5.11909	5.582	8.16578	5.58353
CNTN4	3.55612	4.53702	4.43305	4.51765	4.05738	4.31847	3.62534	4.04577	4.58697	4.77643	2.87864	5.40895	5.02733	3.92057	4.29501	3.73244
CNTN5	4.26465	5.10007	5.19004	6.03743	4.40257	3.58121	4.85029	4.99636	3.83939	4.20792	2.5929	4.68857	4.78093	4.89553	4.53029	5.23607
CNTN6	3.19594	3.54594	5.02776	5.64965	2.39414	4.42491	3.52327	3.53745	3.74437	3.50939	3.3963	5.68932	4.6779	4.63315	3.5512	4.64753
CNTNAP	5.71324	5.83775	5.4541	6.17486	7.25719	6.13597	4.95143	7.0261	5.29959	7.30621	4.55446	6.77008	5.00579	4.41097	6.92827	4.95783
CNTNAP	4.33587	4.94613	5.40477	4.57259	6.03658	5.22275	6.84397	5.13806	5.23646	4.35988	5.12344	6.49499	6.09003	6.6437	6.49155	6.58198
CNTNAP	4.85757	4.5714	4.50237	5.03667	4.40686	4.59455	4.87555	5.43602	4.61934	5.49383	4.01138	2.07548	3.44604	4.2359	3.68625	5.11359
CNTNAP	4.73822	4.56638	4.09823	4.82835	3.75099	3.73699	4.95627	5.66058	4.98761	3.25068	4.56115	3.49365	5.06968	4.6285	5.88887	4.97647
CNTNAP	2.84776	3.62297	3.65202	2.93032	3.00416	3.21389	3.47956	2.68743	3.83387	3.33748	3.61254	2.67331	2.67782	3.1156	2.31215	3.15288
CNTNAP	4.96284	4.63246	5.27116	5.38544	4.92341	4.26827	4.44939	5.32026	4.29638	4.37953	4.25882	4.96826	5.34879	4.22737	5.06778	5.23146
CNTRL	6.41563	5.32234	6.39685	6.00522	5.67691	6.03389	6.03625	5.62311	6.0936	3.95179	5.6488	5.19529	5.049	3.57129	5.33811	5.24016
CNTROB	4.017	3.95382	4.62298	3.67359	4.27547	4.28461	4.19447	3.6899	3.81013	4.66602	4.55579	3.58474	3.82924	4.0977	3.96139	4.81967
COA1	5.58872	6.02637	5.98826	5.87687	5.99416	5.65728	5.84112	5.9226	5.56418	4.43077	5.55057	5.70337	5.53539	6.33157	5.92409	6.29331
COA3	7.31648	6.31925	6.68585	7.02115	6.50721	7.1078	6.27668	6.55469	6.29256	6.5764	6.81351	7.46257	7.34189	7.18784	6.87115	6.81169
COA4	7.91133	8.15997	8.0146	7.85853	7.7108	8.50466	8.5828	8.72304	8.27019	8.39318	8.16729	8.44059	9.01912	8.78708	7.98311	8.36563
COA5	8.13277	8.16276	8.11826	8.43012	8.05838	8.74609	7.71725	8.15007	8.2345	8.217	8.07629	8.67666	8.72521	7.42946	8.62685	8.42736
COA6	7.00819	7.34389	7.7737	8.29896	8.86269	7.5199	9.01134	7.95171	8.79617	6.33487	9.26758	8.79448	9.06609	7.53935	8.11669	8.89192
COA7	6.91061	7.3511	6.2843	5.95253	7.59042	7.27478	7.81773	7.84604	6.75013	7.32104	7.86265	7.68546	7.62433	6.98458	7.51793	7.30238
COASY	9.48636	9.08092	8.44211	8.03892	8.96233	9.08426	9.79203	8.36759	9.10997	9.41655	9.43176	9.7337	8.8893	9.22763	8.78616	8.8123
COBL	6.70376	4.9034	3.45111	5.29354	3.01834	2.63869	4.13219	3.29908	3.8927	6.15519	3.64199	3.44368	3.23246	3.09687	3.16274	2.68152
COBLL1	4.36262	4.55979	4.40483	4.2959	4.17998	3.66785	3.66665	5.0094	4.75435	4.83993	4.16372	3.50476	4.20362	4.37651	4.01937	3.85721
COCH	5.23264	6.49484	5.74852	6.43573	6.11473	6.17866	5.75589	4.98271	6.22886	5.88435	4.19514	6.26381	4.74631	5.44809	5.19791	4.88909
COG1	4.85434	4.54874	4.59043	4.56005	4.80362	4.83036	4.19738	4.3635	4.25827	4.71878	4.25827	4.92159	4.18147	4.21691	5.16078	4.12862
COG2	6.01124	6.20644	5.75903	5.22261	6.55657	6.18435	6.78556	6.25296	6.43019	6.65283	6.8956	6.42461	5.29199	6.69654	6.62436	6.52979
COG3	5.31876	4.72058	3.97242	5.79014	3.71116	4.52112	3.19332	3.75654	4.09796	4.74183	3.95868	3.68869	3.91364	3.50721	3.49352	4.16338
COG4	7.67668	7.38208	7.33082	6.74577	6.76818	7.09952	7.059	7.67964	8.13222	7.44432	7.36413	8.21223	7.98082	7.83883	6.90726	7.52074
COG5	7.03494	6.90567	6.83608	7.09849	6.97123	6.73883	7.36361	7.11276	7.06274	7.37813	6.78332	6.58949	7.21144	7.11147	7.81268	7.61117
COG6	5.32692	5.33633	5.32348	5.63984	5.30268	5.29668	6.45994	6.07628	6.65595	6.80843	5.05229	6.24425	5.82161	5.29857	6.69845	5.67007
COG7	7.07381	6.26802	4.34691	5.25444	6.12439	6.38241	6.51161	3.84143	5.88688	6.99057	5.07244	3.87137	6.40749	6.46578	3.89112	6.87583
COG8	7.08815	6.68643	5.92825	6.76579	6.62321	6.87603	6.1556	7.31528	7.25015	7.86096	4.85113	6.27962	6.91774	7.51081	6.83636	6.2985

COIL	6.4043	5.70246	5.66181	6.38755	6.51946	6.84693	7.36788	6.96411	6.92582	5.35829	6.90439	6.118	6.64239	5.78287	6.63893	7.01407
COL10A1	4.92117	6.57677	8.62008	6.42316	8.91007	7.36913	6.95076	6.94813	5.73966	6.04735	5.84212	7.29091	6.49857	6.95076	8.80228	7.42441
COL11A1	1.90355	2.14957	3.03309	1.47813	8.18506	0.94637	2.80891	3.95644	1.84255	4.67909	2.59317	2.61448	4.51992	4.0856	8.20967	5.08609
COL11A2	6.21882	6.97441	7.22049	6.83211	6.71912	6.90055	7.12575	7.27505	7.35865	7.63318	6.5782	7.11435	7.45025	7.26021	7.12866	7.1198
COL12A1	4.50716	4.83247	5.26002	4.34392	5.36786	4.92858	4.71878	5.7079	4.49077	6.03254	4.87977	5.60498	5.12406	4.90439	6.43347	5.02145
COL13A1	4.4943	5.82053	5.66827	5.24569	5.07516	4.9984	5.12539	5.54309	4.89253	4.89423	6.21089	4.74183	4.77905	5.64345	5.42209	4.56005
COL14A1	4.03862	4.90868	6.30059	5.20228	4.87205	5.81987	4.9692	5.64954	5.31034	5.75322	4.87152	6.38805	5.04513	5.12636	5.48503	5.23593
COL15A1	6.15404	4.69357	7.82676	6.02751	5.26046	7.35627	5.86149	8.63946	4.92985	8.44095	7.97619	5.57585	6.41164	6.73545	7.22593	6.86113
COL16A1	7.67409	7.15042	7.50356	7.26052	8.5244	7.57459	9.85394	7.64614	7.16938	8.23714	6.71555	7.65997	6.56865	8.64231	8.22106	7.26761
COL17A1	2.08404	2.61396	3.08807	2.43076	5.37675	6.43785	3.20323	2.43067	3.31034	4.14078	5.67044	4.16089	2.8623	4.02841	4.07595	4.32644
COL18A1	7.95868	8.15305	8.85137	8.17445	8.29543	9.25806	8.93712	9.0707	8.88559	8.85032	8.434	9.37708	8.19193	8.46832	8.81561	8.61941
COL18A1	2.44059	2.84393	2.48448	3.27048	3.0533	2.60961	3.29192	3.53745	2.13825	2.23712	3.49378	1.87757	2.42653	2.16332	2.9127	2.31622
COL19A1	4.43162	4.43918	2.99564	3.1203	2.50418	3.11933	2.5047	3.71916	2.95663	2.42411	1.1038	3.35152	2.2085	2.82083	2.21248	3.57557
COL1A1	7.10661	6.98197	7.97364	7.26649	7.85403	7.80998	7.64185	7.93978	7.11341	7.42167	7.71742	7.88149	7.46283	7.78272	8.38858	7.47174
COL1A2	7.85915	6.84366	9.31971	6.66387	9.79789	8.1843	7.48357	9.51497	7.27478	8.30721	8.29264	9.31511	7.5753	8.62008	10.7518	8.41852
COL20A1	6.04916	4.58384	6.12693	5.6367	5.43712	5.93233	4.94125	4.42002	5.85017	5.93713	5.32375	4.9467	6.0376	5.92959	4.8375	6.07628
COL21A1	8.03432	7.80837	7.74569	7.80571	9.91603	6.8411	8.55727	8.20468	8.14058	7.73161	6.93602	7.70787	7.69268	7.39599	10.8485	7.54516
COL22A1	4.89253	4.9692	5.1647	5.34036	6.54955	6.78271	7.73397	5.25407	6.8277	5.08968	5.11956	6.18419	6.51441	7.12996	6.82158	7.16903
COL23A1	3.00675	5.85352	3.69005	5.19961	3.88843	4.33243	4.03876	3.66599	4.38384	4.15112	4.21854	6.72985	5.04222	5.38464	3.64338	4.94079
COL24A1	5.26934	4.98009	5.52519	4.1095	4.42618	4.15792	4.64035	5.21589	4.70432	4.92663	2.18694	4.36401	2.90755	3.21424	3.662	3.18938
COL25A1	3.88402	4.31918	4.59029	3.51809	3.6843	4.37001	4.60821	4.10281	4.37195	3.83893	4.11792	3.63794	3.56983	4.42547	3.2376	4.80236
COL26A1	3.49378	3.37121	3.81454	3.44534	3.54873	3.3722	3.32235	3.74192	3.32397	3.43713	3.07124	2.80263	2.65493	3.77935	4.27794	3.71057
COL27A1	5.33097	5.41267	5.18206	4.72163	6.10345	5.92025	5.45357	6.05559	4.83812	5.28291	4.96187	5.56646	5.77035	6.8247	5.7765	6.10863
COL28A1	7.79159	7.17445	6.77117	7.32358	5.39197	6.32595	6.0605	6.23931	5.95993	7.42114	5.94805	6.29614	6.12821	6.47236	6.01426	5.99968
COL2A1	4.75855	4.24019	4.45332	5.32985	5.43048	4.07659	3.13476	5.12539	4.74107	4.80031	3.67007	5.04076	4.17188	3.94083	4.68671	4.37264
COL3A1	8.07664	7.70458	9.23508	7.15926	9.8453	9.04007	7.22234	9.72915	7.64589	9.0105	8.51154	8.65925	7.39669	8.21298	10.8872	8.70529
COL4A1	4.709	5.21864	6.44014	4.8415	6.10863	7.90882	6.09675	7.24511	5.29733	5.92959	8.54592	5.49051	6.08205	6.15255	8.10916	5.96696
COL4A2	4.42805	4.38754	5.52281	4.78265	5.73512	7.92948	6.25615	6.29011	5.54973	6.21452	7.85515	7.17565	5.55115	6.59083	6.59396	6.04099
COL4A3	3.76474	4.11284	4.37083	4.39545	4.44041	4.59589	4.73341	4.21647	3.96304	4.00539	3.99254	4.11067	4.26862	3.46026	5.05401	4.23521
COL4A3I	8.04348	7.33565	7.82828	7.96835	6.0936	6.92836	7.75696	7.16353	7.56138	7.27505	7.46153	7.01906	7.02771	6.58617	6.68773	7.65455
COL4A4	4.90779	4.76854	5.79816	5.26108	5.52908	5.95498	6.06651	4.78069	5.42618	4.54463	4.63475	5.09584	4.96002	5.79198	6.03389	6.10884
COL4A5	7.34444	6.9035	7.81334	6.68235	7.67171	7.91273	7.75007	6.40488	7.27669	7.21574	6.64006	7.49156	7.61729	7.49227	7.46862	5.70734
COL4A6	5.57483	5.26764	5.00397	4.80326	5.19241	4.49656	4.09979	4.21402	3.86158	5.25011	5.0094	4.76965	4.8213	6.13292	4.00461	4.64412
COL5A1	4.07529	3.90646	6.69812	2.73163	8.12416	7.31233	4.58428	7.34076	5.41283	5.07857	7.06945	6.94552	5.21013	6.53697	8.76701	6.3204
COL5A2	6.13777	6.21509	7.46963	5.64719	8.94549	7.98012	7.01614	8.44288	6.41424	7.10887	8.09264	7.40819	6.21237	6.91292	9.73939	7.81197

COL5A3	4.4803	3.43713	5.17583	4.94222	5.36312	6.36854	6.92674	6.43268	5.57186	5.80863	5.63345	6.82752	5.27801	5.27456	6.60946	4.19674
COL6A1	4.91198	4.89528	4.70583	4.94543	4.95066	5.19152	4.87368	5.43864	4.87712	5.129	5.44119	4.86678	5.09328	5.22261	5.07725	5.22842
COL6A2	4.22052	5.89446	6.79073	5.09451	5.92492	6.86104	4.87224	5.19496	5.38217	7.40347	7.35509	8.00713	5.09122	7.20502	7.23912	4.82965
COL6A3	8.50501	8.83956	10.9586	8.4871	10.8356	9.89772	7.69081	10.3502	9.31971	9.59898	10.46	9.98188	8.92921	8.77566	11.2693	9.72915
COL6A5	3.85936	3.73269	4.49302	5.40516	4.12946	3.80455	3.19234	4.1436	4.467	4.2727	2.26326	4.50343	4.43031	3.30487	3.98497	3.89038
COL6A6	2.45641	1.8594	3.77565	1.98584	3.0432	3.10714	2.24915	4.61408	3.12311	5.79876	2.29306	1.16395	3.80117	2.33582	4.89377	4.42849
COL7A1	6.86297	7.21296	7.39105	6.77427	7.62214	8.13742	7.45295	6.96845	7.63362	7.29091	7.68457	8.72521	7.28174	7.40382	7.23443	7.12375
COL8A1	4.43455	4.03876	5.40205	3.64066	5.87321	5.1141	5.69472	5.19004	4.50625	5.15954	5.19512	4.34651	4.90183	4.86513	5.41934	5.28311
COL8A2	5.46755	5.04372	5.98842	5.78012	6.69702	5.54064	6.50605	6.44275	5.82161	5.7151	6.66563	5.7874	6.28247	5.93055	6.48637	6.09675
COL9A1	2.31654	2.03596	2.54613	2.36812	2.43922	1.97567	2.25288	3.79846	2.24315	2.17431	1.93635	2.88387	2.09936	1.81697	2.17431	2.21092
COL9A2	5.08426	4.79693	4.91676	4.80555	5.11788	4.59206	5.09101	4.99664	5.42657	5.60443	4.32095	5.43894	5.04602	4.80555	5.13011	5.77662
COL9A3	7.49156	7.65686	7.67654	7.60871	6.89528	6.36922	4.91176	7.18064	6.7419	8.93549	4.44812	7.51061	3.99596	4.90027	6.0207	5.66046
COLCA1	7.47865	7.18784	6.0528	8.00348	7.65751	7.03614	8.03741	7.14925	7.7621	6.4899	6.35895	6.33219	7.32785	8.06218	7.12611	7.46031
COLCA2	7.58615	7.98156	8.07686	7.97709	7.96656	7.68808	7.94631	8.09011	7.65921	7.97126	6.09555	8.05225	10.0897	7.71422	7.35932	9.8453
COLEC1(	2.81334	1.8084	2.42383	4.1095	2.50418	2.93381	4.15069	2.731	3.31034	2.19868	3.93173	4.94408	3.10377	4.54346	4.2981	1.92725
COLEC1	5.77426	6.33362	7.40382	6.70289	6.53793	7.33587	7.18371	6.37758	6.03712	7.01368	6.15329	7.22255	6.58326	7.10858	6.93041	6.99884
COLEC1	6.26612	7.43497	7.76824	7.3161	7.27295	7.22033	7.08603	7.73431	7.3525	7.97635	7.08158	7.55949	6.57691	6.75745	7.98889	6.89769
COLGAL	5.42824	5.26744	5.69545	4.53425	6.68839	5.14562	4.72569	5.08353	5.84712	5.59856	6.87431	5.6558	5.93577	5.34584	5.09749	6.08756
COLGAL	4.8375	5.33606	5.48088	6.14368	4.94991	5.53967	6.14652	4.92491	5.14525	6.10432	5.88585	5.16531	6.01229	5.23405	5.75636	5.84395
COLQ	5.18934	6.986	6.58617	6.04567	6.60593	6.42309	4.24394	6.53931	4.53517	7.37482	6.60834	6.94792	6.8334	6.29144	5.54701	6.34863
COMMD	8.79047	9.30247	8.74734	9.25706	8.33155	9.31324	8.27148	8.82696	8.99912	8.95622	8.76383	9.67232	9.2912	8.67987	7.83845	8.30299
COMMD	6.41548	7.38556	7.51709	7.72862	7.24146	7.21844	7.0773	7.36602	7.28407	7.75653	7.39805	7.11008	7.60563	6.95968	6.89173	7.00568
COMMD	7.70723	8.47386	8.2033	8.08518	8.53034	8.43956	8.42298	8.40189	8.07707	7.27186	8.52475	8.23177	8.59875	7.68956	8.36324	8.82218
COMMD	9.47025	9.51582	9.90115	9.88096	9.4095	9.19156	9.16254	9.64485	9.38269	9.85111	9.12606	8.56923	10.0552	8.89342	9.79789	9.79203
COMMD	7.28473	7.28019	6.77427	6.90197	6.1875	6.67783	5.53003	5.59977	6.35351	6.71017	7.16436	7.3928	7.21241	7.23313	6.84633	7.1111
COMMD	6.51983	6.79668	6.2458	6.3351	6.05626	6.67771	6.78332	6.78183	7.29617	6.29463	6.76694	6.17309	7.20309	6.71402	7.05063	6.72663
COMMD	6.2907	6.61987	5.9813	6.91702	7.23672	6.8648	6.99578	6.75319	6.64741	7.26714	6.84027	6.41484	7.13293	7.10241	6.54841	6.92393
COMMD	6.03712	6.38823	6.76094	6.28592	6.21022	6.50381	6.25369	5.90076	6.43909	6.6125	6.00192	6.43815	5.9893	5.81223	6.25615	5.8995
COMMD	9.33414	10.2039	9.99653	10.1842	10.46	9.43764	9.68695	9.54799	9.04721	8.60597	10.0756	8.74609	10.1887	9.50597	10.4068	10.4243
COMMD	6.72621	7.73123	6.8108	7.74136	7.31545	7.19136	7.27186	8.21223	7.75674	6.18035	7.52074	6.51968	8.01856	7.0755	8.07728	8.06968
COMP	6.64277	6.62363	7.8917	6.45222	6.49681	6.16175	6.36582	6.08384	4.91034	6.62647	5.26083	6.44906	6.2273	7.07903	6.50107	6.68722
COMT	6.35062	6.13194	6.02266	6.02361	6.04035	6.92598	6.74434	5.81672	6.17362	5.98436	7.00902	8.02589	7.17486	7.47582	6.14728	6.03545
COMTD1	6.46142	7.0693	6.6373	6.46024	5.99292	7.14475	6.65798	7.54069	7.19775	8.03043	7.67005	8.12992	7.18266	7.26781	6.42492	6.51402
COPA	6.18015	6.10997	6.29785	4.62298	5.77268	5.93434	4.98524	4.8012	5.50079	5.45895	6.27109	5.08232	6.26698	5.93259	5.67796	5.21128
COPB1	9.40387	9.38055	9.77798	9.39963	9.26363	9.56083	9.59327	9.72612	9.90936	9.72612	9.05406	8.06968	8.64201	9.1073	9.29927	9.09062

COPB2	6.70457	6.05071	5.97509	6.83716	5.60986	5.95076	7.44986	6.97213	5.93434	6.48805	6.80312	6.27927	6.70707	6.14288	6.42388	6.31023
COPE	4.6316	4.94752	4.14154	4.83993	4.86873	5.06482	4.36302	4.09346	5.1964	5.08302	5.59486	5.39452	4.72363	5.71282	3.50784	5.49101
COPG1	6.42644	4.79439	5.02484	6.40106	6.14532	5.74089	3.74769	6.08084	6.69926	5.94323	5.8864	4.2698	5.64247	5.72712	6.20996	3.87671
COPG2	3.65093	3.91161	3.84282	4.7638	3.98967	4.18954	3.95546	4.06555	4.04059	4.15684	5.19477	3.10475	4.41697	4.95627	4.2792	4.31918
COPG2IT	6.15156	4.34246	6.56497	6.72765	6.25003	6.1716	7.37685	4.50182	6.12181	7.40742	5.48792	6.30331	6.3988	6.25615	6.19683	6.47984
COPRS	9.77064	9.38383	8.44151	9.5326	8.9973	9.52648	9.61651	10.0778	9.17096	9.11675	9.08092	9.66055	9.43496	9.58716	9.57938	8.83393
COPS2	8.48891	8.48075	8.2853	8.2838	9.13921	8.2938	8.53555	8.48187	8.39497	8.34622	8.60332	7.08952	9.19001	8.79299	8.98978	9.21274
COPS3	7.73257	8.19877	8.4476	8.08617	9.08092	7.90074	7.70723	8.28261	8.14392	8.01323	8.35355	7.59947	8.47183	8.75124	8.63717	8.30008
COPS4	6.93009	7.3965	7.1111	7.10661	7.82408	7.01358	6.78137	6.64563	6.67956	7.26072	7.19814	7.43547	7.89315	7.34115	7.3013	7.30095
COPS5	8.66746	8.75563	9.32342	9.63482	9.93225	9.64884	9.73939	8.65818	8.94713	8.99071	9.4479	8.85494	9.4421	10.0342	9.46022	9.94907
COPS6	8.80792	8.58309	8.59024	9.01134	8.82891	9.43005	9.37829	9.11675	8.80992	9.00248	8.96525	9.53788	9.14361	9.65609	9.50452	9.50597
COPS7A	7.87876	7.85197	7.91573	7.76234	8.74983	7.87018	7.8819	7.9331	7.99918	8.32985	7.86001	7.5397	7.7995	8.65312	8.44181	8.11404
COPS7B	6.47564	6.95994	7.23414	7.11147	7.13673	7.17486	7.80077	7.44601	7.09292	6.80682	7.24319	7.3395	7.39425	7.25848	7.14639	7.29564
COPS8	6.41769	6.52472	6.48549	6.77226	6.88611	7.01562	7.1503	6.74554	6.5886	6.41202	6.70066	6.35836	7.12292	6.94256	7.131	6.81521
COPZ1	8.64603	8.84609	8.86269	8.78506	8.77929	8.35151	7.94829	8.54777	9.12492	9.54799	8.61941	8.07874	8.65005	8.90341	8.83744	8.58048
COPZ2	6.44083	5.66772	6.38374	5.7441	5.58246	5.82822	4.50783	5.75787	4.74876	5.79752	5.61993	6.99729	6.04935	4.87152	6.02667	5.80597
COQ10A	7.79017	8.15833	7.71275	7.49709	7.41204	7.22567	7.25184	7.27669	7.45472	7.70022	6.65166	7.54501	7.40878	7.46593	7.12819	6.96042
COQ10B	5.64447	6.66617	6.80517	6.99097	6.86056	6.28777	7.13731	6.52589	6.94792	6.20158	6.50491	7.21213	6.83608	6.63361	5.96988	6.19845
COQ2	7.47951	7.37425	7.63497	7.47334	6.97599	7.02998	7.07704	7.55529	7.69452	7.56828	7.32857	7.13673	7.99984	7.2857	7.16663	7.53386
COQ3	7.56462	7.47622	7.33981	7.99636	8.58514	7.60782	8.08201	7.83845	7.84726	7.90998	7.92842	6.86932	8.10571	8.29809	8.07963	8.09341
COQ4	7.67813	8.02589	6.9564	7.35509	7.23779	7.32389	6.64671	7.45025	7.27934	7.49227	7.74678	8.03892	7.91644	7.76286	7.27538	7.81534
COQ5	8.5825	8.65576	7.92703	8.53248	8.62519	8.20866	8.64262	8.66491	8.37142	8.32816	8.67057	7.62671	8.69038	8.94422	8.30659	8.31453
COQ6	6.60342	6.40851	6.15404	6.47523	6.39579	6.03254	4.70432	5.85352	6.66401	5.46729	6.35836	6.67705	6.58204	6.09697	5.93176	6.27907
COQ7	6.61504	5.6454	4.15464	6.33183	6.6437	6.33025	5.73705	6.05975	4.8846	5.4529	6.49041	4.80555	6.31363	5.95617	6.27692	5.19004
COQ9	7.49325	6.61659	7.18953	5.72464	7.03131	7.1525	7.17866	7.48453	7.54789	7.32427	7.28432	6.99272	6.74281	7.84356	7.09223	7.42589
CORIN	5.16217	5.05177	4.90419	5.09749	4.43243	4.75885	4.19812	4.08394	5.15717	4.40483	4.25792	4.84558	5.32774	4.67653	5.16049	5.22091
CORO1A	8.42826	9.78666	9.56326	9.9611	8.71458	9.41655	6.5522	7.92893	8.98841	7.43254	9.91339	10.6273	8.38085	8.25203	8.19737	8.08705
CORO1B	5.58973	7.02866	4.73152	5.51869	5.05638	6.2245	5.74655	5.70136	5.77051	6.4043	6.0856	7.51651	5.88508	6.68677	5.50982	6.31081
CORO1C	6.04776	7.40742	6.72393	6.33199	7.2941	6.91702	6.96375	7.22559	8.19911	6.22536	7.8025	6.24346	7.03429	7.12292	7.35304	7.12112
CORO2A	6.69482	6.10971	5.82012	6.51815	6.87781	6.6623	6.78513	5.54715	7.5326	6.49089	6.48609	5.47673	6.50721	6.72452	7.13865	6.36004
CORO2B	3.85425	3.06378	2.29132	5.52496	4.24744	5.29139	3.65785	3.66599	3.65431	4.49669	2.36593	4.22176	2.13674	4.63315	5.48401	3.80861
CORO6	6.99984	7.04642	7.51623	6.97525	6.90206	7.51096	6.93763	7.49897	6.06835	7.35953	7.04963	7.29287	7.06113	7.32647	7.05279	6.14115
CORO7	7.43817	6.08725	5.35219	5.83023	6.07642	6.35895	4.12999	5.98826	6.13912	5.55753	6.64896	6.57303	5.33882	6.31164	5.77462	6.79018
CORT	7.3737	6.99465	7.52678	7.74898	7.4195	6.87495	7.5547	6.8657	6.8763	7.81563	7.0042	7.43953	6.94009	7.04207	6.73909	7.0308
COTL1	7.19756	9.44403	8.40127	8.46478	9.02691	7.86511	5.55398	8.25123	9.10034	6.46176	9.44929	9.16963	9.07296	6.1544	8.46562	8.28309

COX1	12.4376	12.3743	12.6989	12.2597	12.2135	12.7845	12.5041	12.5511	12.8186	12.7145	12.5041	11.8584	12.4376	12.468	12.5041	12.3743
COX10	7.79766	7.60929	7.1053	7.2577	7.63902	8.15692	7.56293	7.8378	8.00305	7.97635	7.57964	7.72445	7.94708	8.61743	7.95203	7.8312
COX10-A	6.36841	6.01917	6.20943	6.95994	6.53612	6.83848	7.02199	6.98885	6.23376	6.13578	6.61088	6.26204	6.58532	6.76434	6.78548	7.22861
COX11	6.97788	7.1351	6.57598	7.1297	7.51249	7.33565	7.27872	7.44394	6.94208	7.45025	7.31017	6.53353	7.69505	7.44838	7.26761	7.3304
COX14	9.18959	9.40525	9.09834	9.4807	8.86638	9.83281	9.57587	8.5267	9.11102	9.30365	8.66851	9.28207	9.91148	9.89772	8.70969	9.24862
COX15	6.6127	6.18515	5.94952	6.0054	6.75235	6.26366	6.20565	6.51914	6.48506	6.45994	6.44361	6.08375	6.01522	6.96067	7.02978	6.56625
COX16	7.93762	8.67259	8.19149	7.8419	8.54327	7.4292	6.68416	7.53373	8.46478	7.5049	8.16657	7.30391	8.87832	6.6512	7.56828	8.53555
COX17	4.54741	4.80979	5.96686	4.44124	6.6396	6.53507	6.43655	4.55949	6.08585	5.06904	6.04817	5.8691	6.56865	6.03389	6.89428	6.11535
COX18	6.38118	5.85529	6.27692	5.73158	6.395	5.92492	4.53425	7.14716	6.51033	6.17931	5.72192	6.94963	5.6595	6.00991	6.54082	5.45365
COX19	6.95816	6.06525	5.70337	6.15488	6.4954	6.75934	7.17978	5.95367	6.16296	5.38864	5.71961	6.29785	5.78435	6.08828	6.10997	6.46565
COX2	11.8369	12.1851	12.468	11.8866	12.2837	12.7329	12.1026	12.5183	12.6201	12.7329	12.468	9.96379	12.2837	12.6201	12.1489	12.5715
COX20	8.1427	8.3093	8.03892	8.09739	7.67964	8.07963	8.30848	8.0511	8.34289	8.33456	8.26381	8.30977	8.55828	7.50536	7.98012	8.37443
COX4I1	7.49279	7.44871	8.11142	7.82492	7.64031	8.0913	7.87248	7.70859	8.08164	8.28774	7.7726	8.66033	8.46388	8.48742	7.38424	7.95813
COX4I2	7.45038	7.70723	7.42167	6.91101	7.18079	6.75262	7.769	8.11737	6.55414	6.44498	7.20874	7.49429	7.33981	7.13535	6.83787	7.44986
COX5A	8.30977	9.02285	8.21957	8.52989	8.76808	9.03764	9.54001	9.58716	9.40867	9.11385	8.71012	8.90826	9.17582	8.97054	8.72194	9.06178
COX5B	9.30766	8.89125	8.15997	8.42443	8.70013	8.75484	9.99098	8.07664	9.28266	7.80726	8.47703	8.65235	9.25316	8.99433	8.81664	9.16537
COX6A1	6.64445	6.70844	6.48861	7.1342	6.78753	7.24855	7.30409	6.29625	6.93297	7.05207	7.10916	6.65193	7.85776	7.35747	6.45214	6.59858
COX6A2	4.84742	3.95879	4.50625	4.51886	5.1722	5.34835	3.27441	5.04974	4.49404	5.7037	3.47644	5.88627	4.6382	5.244	5.25726	5.12463
COX6B1	10.8973	11.1357	9.97015	10.9989	10.99	11.4058	11.6889	10.6075	10.7267	9.99925	10.5753	10.4883	11.3517	11.2558	10.8912	11.712
COX6B2	5.82837	6.56543	5.83049	4.63389	5.69831	4.85358	6.00799	5.96298	5.68926	5.12708	5.20401	5.1206	7.11651	6.35326	5.14584	5.9748
COX6C	10.8054	11.1559	10.8808	11.2756	11.5015	11.6449	12.3491	11.565	11.3246	10.7548	11.2558	10.2039	11.3844	11.7562	11.8254	11.6889
COX7A1	8.78561	7.6055	7.57707	7.743	4.69135	6.66538	3.35187	5.78534	3.82945	8.58691	6.70325	7.268	5.69186	4.7453	6.71599	4.76479
COX7A2	12.1851	12.4376	12.4159	12.2011	12.4159	12.3111	12.5323	12.4159	12.4376	12.0385	11.9698	12.2837	12.0504	12.0835	12.2974	12.3939
COX7A2	10.6461	10.0897	10.4698	9.7947	10.2195	10.783	9.9611	10.6304	9.99653	10.2084	10.4489	9.57255	10.1516	10.8297	10.3113	10.8485
COX7B	9.0336	8.54987	7.90962	8.29543	8.75873	8.83206	9.11675	9.1574	8.33735	8.51429	7.94585	7.53191	9.12492	8.60597	8.87832	8.60184
COX7B2	2.16905	1.09002	1.3689	1.63196	1.3442	2.27957	2.3531	1.31605	2.35886	1.35594	2.79035	1.54854	1.11444	1.36152	1.6611	2.01298
COX7C	9.7568	10.509	9.72915	10.3603	9.64364	10.8206	10.9679	10.2398	10.3563	9.76707	10.0285	9.0587	10.7652	10.3013	9.35033	10.2628
COX8A	11.1225	11.9321	10.7017	11.3355	9.65997	11.9991	11.1017	8.63747	10.2886	10.4318	11.9018	11.8254	11.9018	11.5751	10.7596	11.297
COX8C	3.73406	3.80592	2.56774	3.41062	2.21727	2.24655	3.71929	2.61382	2.86093	4.63184	4.75008	3.23711	5.12297	2.51368	2.65173	4.37426
CP	9.40267	8.32931	9.48636	8.74983	5.80045	6.58949	6.26341	5.27954	8.18689	8.65073	5.94974	6.54247	5.94805	5.30988	4.97749	6.08093
CPA1	4.85229	5.06897	2.98152	4.18478	2.85371	3.87636	5.03767	3.6374	1.92414	2.80132	4.32782	2.53152	3.16183	4.7453	2.93032	4.47888
CPA2	5.39763	3.19069	5.87779	5.25444	5.3979	4.13417	4.75355	5.75271	5.45949	4.39244	5.49101	5.59986	5.54035	3.52815	5.98852	5.19927
CPA3	8.8262	9.11792	11.4345	9.50597	8.89592	8.60157	7.81318	10.1104	8.86928	9.4206	5.8416	8.98841	6.07229	10.1061	8.94345	5.63045
CPA4	6.11204	6.59447	6.39586	5.96025	6.06196	5.92343	6.94842	6.69137	6.15629	5.61936	7.44123	6.31734	6.51043	6.43444	6.01839	6.35218
CPA5	4.74224	6.54082	5.44194	5.86933	4.54126	6.21864	5.81987	6.16296	6.32121	6.33487	6.12195	5.54537	5.91158	6.60068	6.31173	3.97214

CPA6	1.35151	0.58875	1.7777	2.59854	2.19868	3.59171	2.83233	3.25961	2.52228	3.46275	2.29132	2.50097	1.74177	2.78286	1.83822	3.66032
CPAMD8	7.57979	6.91209	6.28291	7.28867	6.98593	6.32848	7.10326	6.64264	6.85524	6.75728	5.70326	6.82775	6.0682	6.54494	6.63586	6.44633
CPB1	4.0196	3.78714	4.50237	5.98328	3.66644	4.71174	3.53968	5.62022	5.63434	4.00874	3.28741	6.34106	5.05646	4.14195	3.84644	4.96683
CPB2	4.38384	2.8813	2.95766	4.9268	1.54197	4.45264	4.89377	3.88575	2.86093	4.81582	-0.0459	4.02412	4.60738	2.99448	4.18506	1.54854
CPD	7.52685	7.20682	6.815	6.76182	6.57921	6.8119	6.47126	6.5305	7.04499	8.17578	6.80863	6.50752	6.46039	6.40072	6.58244	6.493
CPE	5.21176	5.2755	8.0157	7.81046	6.43423	6.59764	5.45744	5.32867	5.70513	8.91007	5.15683	6.31597	6.64006	5.78857	8.99157	6.05798
CPEB1	6.65179	5.2212	5.98436	6.39896	6.37168	5.66158	6.06845	5.92068	5.53716	6.07992	5.50994	5.98826	6.47861	6.00149	5.48754	6.17343
CPEB2	7.01816	6.88109	7.00026	6.94115	7.13758	7.25015	7.36089	7.59121	6.91735	6.87829	6.73115	6.94188	7.03744	7.16026	7.27377	7.11366
CPEB2-A	2.21029	2.86158	3.49445	3.38369	4.26628	2.36638	2.42155	2.731	2.43603	4.00874	3.53979	2.94469	3.60262	3.9369	2.97605	2.9809
CPEB3	4.67969	4.33776	3.79473	3.93872	4.26185	2.92162	3.11326	3.42369	3.0766	4.1555	4.03892	3.23213	3.47243	3.06481	3.937	3.43558
CPEB4	6.54069	5.79671	7.88653	6.10902	5.1023	6.40673	6.15282	6.14022	6.75544	6.17008	6.48246	6.54403	5.89549	5.71805	5.41945	5.77758
CPED1	6.63345	7.13054	7.67333	7.07369	6.52173	6.78707	6.58884	7.53498	7.27438	7.35274	6.41177	6.62027	6.80263	6.31548	6.5054	6.38327
CPLX1	4.89528	5.65982	5.55827	4.42997	5.65157	5.80329	5.60339	5.96948	3.27349	6.01099	5.42673	6.599	5.4025	6.06026	5.13431	5.776
CPLX2	5.89483	6.15536	5.75728	6.31646	5.91457	5.96714	6.76679	6.44456	5.14478	6.17043	6.01124	6.07349	6.11906	6.21882	5.97095	5.72779
CPLX3	6.33896	5.44544	5.91357	4.8391	5.68944	5.59967	6.07787	5.98083	5.49238	6.24827	5.90647	5.53311	6.3586	5.88585	5.79553	5.99319
CPM	4.65852	4.57777	5.62113	5.38965	4.49797	5.35015	5.73881	4.66845	7.19839	4.52451	6.05447	4.7492	5.79626	5.18807	5.10451	4.57473
CPN1	4.70625	6.0682	6.19154	5.21128	5.40101	5.30898	5.86149	6.5719	6.09093	5.91325	5.47001	6.599	5.47507	5.7004	6.00568	6.39451
CPN2	2.94778	4.56226	5.19266	3.77125	4.29721	2.93381	3.35187	4.1207	2.67969	3.13394	4.02808	5.3021	4.73847	3.12884	5.03876	4.65881
CPNE1	8.16729	8.24077	8.42037	8.21355	8.55331	8.79361	7.5598	8.26845	8.36393	8.2929	8.52934	9.17582	8.45121	8.72628	8.71228	7.81563
CPNE2	6.89843	7.07127	4.28615	6.44576	5.8832	7.21008	4.02856	3.15288	6.45678	3.21812	6.69189	5.59287	6.56239	6.88557	5.91104	6.74418
CPNE3	8.54777	8.73206	9.03868	8.32213	7.80696	8.3093	8.50501	7.6183	9.06394	8.91763	7.36129	7.44394	8.73349	9.18711	8.92921	9.27986
CPNE4	2.29132	3.36123	3.52145	3.83335	6.37377	2.5008	6.99449	3.80706	5.77343	4.10828	4.29221	1.62051	3.45456	6.84693	4.50197	4.80755
CPNE5	5.12745	7.27538	6.92836	6.25347	4.95776	6.90246	3.89026	6.98113	6.85409	6.25178	4.66023	7.3119	4.57269	5.41012	4.56642	3.27231
CPNE6	4.51723	3.97447	4.5817	3.4644	3.62206	3.41991	4.46646	3.71057	2.85077	3.58121	3.00675	3.21887	3.52461	3.58282	3.63765	3.6493
CPNE7	6.36395	6.90121	6.55414	6.5847	5.9728	6.47821	6.21417	6.9262	6.71451	6.58963	6.75934	7.05317	6.77795	6.00226	6.16222	7.07497
CPNE8	5.57494	5.4498	6.31489	5.99847	4.64035	4.6656	5.71246	5.82637	5.66145	5.92656	6.03871	5.01612	5.06778	4.73261	4.5554	4.8375
CPNE9	3.59987	3.09358	4.05393	3.74939	3.41088	2.5608	4.90633	3.32868	3.48123	3.80685	3.99549	3.3015	3.82075	3.80927	3.55805	3.85415
CPO	2.98506	3.57431	3.38079	3.66594	3.80647	3.41719	3.84674	3.60236	3.06765	3.55696	3.27847	3.96659	4.09292	3.52815	3.21508	3.47381
CPOX	6.64277	6.51441	7.11301	6.77254	7.48498	6.92227	7.79368	7.20142	7.21428	6.17446	6.91987	6.70282	7.32935	7.29519	7.73582	7.3174
CPPED1	7.1008	7.50356	6.774	6.95816	7.11329	6.71935	6.14261	6.34674	6.98373	6.93431	7.16305	6.60839	6.6689	6.06407	6.65654	5.6104
CPQ	6.03981	5.44809	5.46187	5.48413	5.69433	6.17842	4.31674	6.19313	6.29754	5.91806	5.73429	5.07648	4.66374	4.63871	6.07332	5.27758
CPS1	5.99556	5.88899	5.54107	5.66548	5.83837	6.22079	7.08078	5.89338	6.27109	6.52236	5.83248	6.13534	7.13366	6.70325	6.0071	8.4499
CPS1-IT1	4.8689	2.39163	3.57935	2.25844	2.55772	3.77609	3.61825	3.49069	5.0435	4.60892	4.94996	3.4402	4.09292	2.95261	4.72297	3.38208
CPSF1	3.77751	1.40126	3.64098	5.20417	3.33875	3.49365	5.8975	3.15288	3.48123	3.36001	3.25613	2.20167	4.8611	3.58891	3.62574	3.52431
CPSF2	5.83943	6.42834	6.69482	6.54101	6.62536	6.15028	6.76495	7.4913	7.09419	6.51983	7.17603	5.64905	7.42409	6.01803	6.75189	6.69284

CPSF3	8.1889	8.35838	8.02925	8.07849	8.80792	8.63992	9.64485	9.52486	8.83393	8.11471	8.63238	8.84609	8.75288	8.63776	8.78995	9.02691
CPSF3L	5.25872	5.6532	5.34383	4.9891	5.28638	5.64024	5.48731	4.72556	5.31876	5.43439	6.01803	5.34089	5.00425	6.12925	4.90183	5.6314
CPSF4	8.81664	8.9396	8.51656	8.37142	8.07664	8.96335	8.71747	7.22861	8.6446	8.80228	9.50874	9.01959	9.29432	9.20565	9.02566	9.54936
CPSF6	6.43161	6.87053	6.387	6.22437	7.81974	7.01269	7.26997	6.75718	6.75866	6.1733	7.78475	6.2599	7.50595	6.9358	6.95444	7.49594
CPSF7	4.05632	4.16233	3.71942	3.64473	4.88639	4.41516	4.67215	5.1755	4.85113	4.45264	5.08129	2.45415	4.30608	4.76031	4.03451	4.08441
CPT1A	5.5121	6.11248	5.75636	6.12821	5.84835	5.78393	6.5296	5.80674	5.7837	5.68136	5.56894	5.92025	5.76901	6.0186	5.67007	5.7905
CPT1C	3.61236	3.92591	6.07564	2.40724	6.30893	5.51524	5.54772	5.157	5.12838	3.93408	3.73917	6.09052	5.04222	4.1611	4.3989	3.62725
CPT2	8.16838	7.88746	7.8597	7.56562	7.69134	7.55265	8.4383	8.06417	6.43077	7.55025	7.96217	7.62033	7.62768	8.08028	7.30736	7.8917
CPTP	7.32963	7.22111	6.99179	7.15727	6.82917	6.93931	7.05075	6.68032	7.07159	6.91191	6.52979	6.94742	6.16902	7.36413	6.76219	7.41093
CPVL	5.75916	7.24474	8.44632	8.28751	7.14258	7.91573	5.81209	6.95912	8.52173	6.087	8.33093	6.83019	6.90589	6.0554	7.88003	8.23302
CPXCR1	3.15402	4.30438	3.54653	4.11164	4.28615	3.88943	2.97713	3.11999	4.14888	3.89967	4.3624	4.211	4.36498	5.30926	4.11653	4.91397
CPXM1	7.12487	6.97383	7.02852	6.88398	6.90705	6.74484	6.01651	7.11951	6.88935	7.84521	7.41172	7.82145	5.71246	6.65003	8.055	6.30843
CPXM2	4.92065	5.41227	5.58825	5.17376	5.58778	4.88962	4.85602	5.9177	5.55057	5.70513	5.12864	5.51406	5.34698	5.12603	5.67091	5.84898
CR1	6.43444	7.23363	6.24154	6.51946	5.91135	6.30604	5.71975	6.11204	6.90541	5.59274	6.45687	5.91806	5.83271	4.14706	6.11511	6.32441
CR1L	2.27273	2.61396	2.59102	2.67969	3.22566	3.03288	3.03237	3.13235	3.15245	3.49311	2.43603	3.21231	3.05227	3.24563	3.15051	3.08868
CR2	6.61296	6.27109	6.01209	6.15395	4.56149	4.04879	4.07595	5.08302	4.91131	5.40426	3.62063	5.35382	5.51976	3.36001	3.94907	4.47732
CR93679	5.54093	4.49983	5.04665	5.07971	6.06266	5.20188	5.95367	4.94577	4.62221	5.77587	4.3961	4.84284	6.27576	5.22324	6.33025	5.97649
CRABP1	3.01667	4.65694	4.57597	3.75226	3.82716	3.23349	4.76297	2.76695	3.86942	4.29221	2.51159	3.60505	3.8778	4.16718	2.46587	2.5047
CRABP2	4.21462	5.77073	6.43834	2.69863	5.87165	5.67044	2.75954	4.35762	6.77653	6.09515	6.70697	5.84458	5.38015	4.95783	4.39203	4.99562
CRADD	8.06572	7.96455	7.19795	7.76086	7.45153	6.9911	7.96848	7.97105	7.96786	7.34263	7.48929	7.56746	8.40404	8.17146	7.91809	7.90905
CRAMP1	5.9165	5.37887	5.8125	5.30469	5.30548	5.21721	5.65675	4.81141	5.02145	5.63003	5.04772	4.94042	5.44017	5.41616	5.41041	5.41113
CRAT	6.26231	7.15992	6.81688	6.7294	5.35079	6.34146	5.65081	6.18435	6.15893	7.33872	7.14332	6.75593	5.36786	5.22179	5.60476	5.44206
CRB1	2.36284	2.83695	4.42934	3.36917	4.11419	4.36086	3.66935	4.36479	3.32216	3.78698	3.31099	3.35439	4.21006	3.13842	3.9791	5.85427
CRB2	1.50761	2.69344	2.52296	2.93958	5.43457	1.32117	3.44209	2.95859	1.45473	2.50603	3.93813	2.89774	2.75699	4.09275	1.35876	2.84751
CRB3	5.12745	3.65681	3.15379	4.64889	2.94105	5.02328	6.48329	3.08616	5.98551	5.2129	3.19795	4.33523	6.04784	6.83647	3.50176	5.76162
CRBN	8.28199	8.55517	8.67259	8.71077	8.74734	8.09229	8.66851	8.22616	8.10225	8.58812	7.87198	7.7845	8.00348	7.40779	8.46329	8.66491
CRCP	6.50074	6.51546	6.99808	6.3204	6.43673	6.36589	7.19424	6.71871	6.68609	6.93247	6.6732	6.33496	6.80131	6.6174	7.08687	7.13124
CRCT1	4.89528	4.97234	2.93758	3.42644	5.0579	5.54219	6.09034	4.1207	3.49474	2.01376	7.91809	5.06151	3.37673	2.93125	2.63378	5.38269
CREB1	5.97543	6.06936	6.63361	6.59372	6.19482	6.50348	6.28545	5.77673	6.50835	5.64462	6.34101	5.77035	5.92167	5.78774	6.46809	6.49655
CREB3	8.32089	8.2033	8.06572	8.04151	6.83059	7.33712	3.40901	3.50531	7.29055	8.73603	7.78045	8.22892	5.95183	7.58583	6.48524	7.64555
CREB3L1	6.08615	6.92227	5.63956	5.67455	5.88196	5.0199	6.46008	6.33267	5.06976	6.6832	5.84429	6.67568	5.75961	5.98014	5.95617	5.60149
CREB3L2	6.21452	6.33967	6.951	6.70583	6.18035	6.45428	5.88708	6.21843	6.16082	6.72621	6.57013	6.43173	5.94871	5.85266	6.2605	5.9966
CREB3L3	6.06855	6.455	5.70605	6.12383	4.92078	6.31408	6.35462	6.77343	5.09372	6.13578	5.59123	5.29334	5.87016	5.61679	5.37911	6.12395
CREB3L4	8.10588	7.87951	7.58402	7.43213	7.15506	7.46603	7.22727	7.38342	7.59584	8.66141	6.9116	7.90469	7.79416	7.89701	7.46976	8.54142
CREB5	3.48571	2.23621	3.61284	3.42644	3.85505	3.55971	3.52327	3.67908	4.02473	3.42914	6.12053	4.16718	3.43133	3.82047	4.27526	3.76737

CREBBP	6.01209	5.65565	6.46097	6.01976	6.62473	6.69536	5.84898	6.5312	6.45975	6.30551	5.9069	6.44292	5.90772	5.75436	6.42803	5.72572
CREBL2	7.528	8.78035	9.05406	8.8333	8.97416	8.32931	7.73337	8.41852	8.82517	8.95046	8.53855	8.2033	8.40947	7.79072	8.94258	7.83726
CREBRF	6.58382	6.581	6.98472	6.62536	6.5143	6.6125	6.48435	6.57921	6.69613	6.88181	6.46578	5.94746	6.23742	6.5162	6.79447	6.50576
CREBZF	6.20038	6.14215	6.78618	6.7568	6.99315	6.6495	5.97527	6.66059	6.3909	6.58707	6.83226	6.17878	5.72232	6.36158	6.38394	6.72716
CREG1	10.1365	10.552	11.1275	10.2227	10.4209	10.2358	10.6494	11.5105	11.2015	10.8912	10.9946	9.46371	10.617	10.2227	10.3298	10.6769
CREG2	3.88013	3.18522	3.63509	3.61082	3.19351	3.4567	5.02539	2.74312	5.34019	3.28382	4.4107	2.37612	2.63576	5.12085	3.65578	4.0601
CRELD1	7.25914	6.84536	6.59293	6.54841	6.89934	6.50549	7.07279	5.79806	6.32576	7.03639	6.69627	6.6127	5.54035	6.60229	6.60189	7.39879
CRELD2	9.90653	9.83596	11.0563	9.89971	9.1574	9.66375	8.80685	9.83596	10.8485	11.3436	9.84358	11.4345	8.96568	8.75379	9.77645	8.27393
CREM	5.8734	6.00128	5.61533	5.83143	6.26865	5.74957	5.92122	6.08317	5.87645	5.19927	6.43116	5.22972	5.83799	6.05489	6.42707	5.57947
CRH	4.22158	4.60548	4.85891	3.92927	3.9523	3.85966	5.45592	4.29343	3.63292	3.35226	3.21231	3.45724	5.04714	3.97409	3.31223	4.56877
CRHBP	4.0196	4.93789	5.59723	4.54239	5.56331	5.75265	4.8582	6.76064	5.01527	5.78287	4.5939	5.20089	3.84364	5.13618	5.23355	6.09082
CRHR1	2.86442	3.62589	3.31872	3.85359	3.11441	3.1416	3.57535	3.51074	2.9333	3.81298	3.6256	3.5252	3.24368	4.1339	3.17857	3.14254
CRHR2	1.94285	2.47844	2.47728	2.1636	2.00052	2.26456	2.184	1.39887	1.96139	1.67869	2.19937	2.50161	2.07729	1.31667	1.68797	1.83191
CRIM1	6.61649	4.56638	8.52243	8.26814	7.08123	8.05612	9.60515	6.17362	8.2586	7.04258	6.58303	6.09694	7.00157	5.6019	6.986	6.99729
CRIP1	10.6304	9.20103	7.65632	9.78849	7.06434	8.56201	8.40568	9.38326	8.4721	8.76117	8.5569	9.17299	9.31635	7.24474	7.60078	7.8954
CRIP2	3.02599	3.11174	2.75954	2.34348	2.39414	2.88086	1.73976	2.13755	2.88086	5.71898	2.85145	2.93048	2.52228	3.21424	2.59102	2.76844
CRIP3	6.69995	6.18222	6.34947	6.81113	5.95379	6.75383	6.35015	6.49283	5.87771	6.63813	4.77111	6.41633	5.61659	6.16168	6.46039	6.31288
CRIPAK	7.09595	6.97485	7.46566	7.34135	7.22216	7.41022	7.53069	7.03517	7.31963	8.21863	6.4399	7.49549	6.62245	6.96375	7.18918	6.44808
CRIPT	7.12575	7.40382	7.62433	7.2916	7.29437	7.83923	7.7162	7.44574	7.47174	7.92528	7.24572	7.17279	7.7809	7.52561	7.64214	7.77224
CRISP1	3.38447	3.0707	4.2994	4.25556	3.31395	3.43351	4.68029	4.10354	2.99038	3.64473	2.4026	4.46592	4.69923	3.50747	4.55237	2.89621
CRISP2	8.67903	6.60527	5.65207	7.6032	5.62849	5.91451	5.94594	5.22018	6.11334	9.70215	5.24795	5.56476	4.60738	4.7453	5.10876	5.62746
CRISP3	7.25783	5.34983	3.34445	3.10053	3.87693	3.01096	3.73393	2.30474	4.83468	11.3844	2.58746	3.58989	2.7137	2.44811	1.81049	2.67577
CRISPLD	7.50218	6.38496	6.89989	6.75167	6.56723	5.76769	6.56354	6.63658	6.60777	10.269	6.47995	6.3317	5.47507	6.20722	7.10804	8.7811
CRISPLD	6.71848	7.02035	7.78837	6.62048	7.19246	7.89596	6.99046	7.67544	7.34612	8.15161	7.48453	8.14551	7.20502	7.29183	8.14326	7.23475
CRK	6.72244	6.98246	7.00137	6.32273	7.09387	6.59409	6.04001	6.5732	6.49835	6.5719	6.77008	6.28086	6.57028	7.16613	7.02213	6.73025
CRKL	7.31992	7.78548	7.82305	8.12977	7.97364	8.3687	8.14684	7.98956	8.2033	7.92881	8.02694	7.85734	8.00083	8.4172	8.43012	7.63318
CRLF1	6.78913	5.03176	5.90303	3.96234	5.09839	5.24358	4.09381	3.39861	4.34561	6.41144	4.2954	4.90933	4.26368	4.41097	4.88519	6.12946
CRLF2	6.41859	4.78107	6.28291	6.08731	5.37077	5.39763	5.85864	6.10828	6.43335	4.85694	5.30804	6.29302	6.16168	5.89557	6.36799	5.64846
CRLF3	8.20228	9.17582	9.13921	9.57352	9.55257	9.37478	8.82099	9.28645	9.32986	8.02678	9.31854	8.92094	8.92094	8.35965	9.31202	8.98902
CRLS1	5.38784	5.37281	6.13485	5.54991	6.21991	5.75828	5.56354	6.18406	5.59515	5.61731	6.0071	5.21738	6.29734	5.93291	5.63936	6.06808
CRMP1	5.85869	6.30648	6.32149	6.44845	5.8629	6.58522	7.87596	6.49559	6.77539	6.26102	6.55926	6.96263	5.90526	7.00363	6.0945	6.0088
CRNDE	9.80678	9.47897	9.27564	9.6967	9.0354	8.89896	9.17096	8.78405	8.55255	9.60515	7.90683	9.01766	10.2195	9.05155	9.22028	9.32986
CRNKL1	7.53803	7.27175	8.0875	7.28682	8.44151	7.99805	7.80162	7.59765	8.11142	7.9507	7.85734	7.16246	7.7952	8.05195	8.34556	7.55088
CRNN	3.47335	3.28675	3.61284	3.93679	3.32431	3.18781	2.53476	3.90071	3.66585	3.09196	8.96335	3.483	3.23246	4.17756	3.61778	3.0606
CROCC	5.3654	5.25231	5.68975	5.07404	4.73468	4.88213	5.05836	5.88899	4.5873	5.23292	4.56723	5.64618	5.12092	6.00684	5.23928	4.96785

CROCCP	5.73398	4.93457	5.00238	4.16233	5.11956	5.10428	5.9226	5.48056	5.72913	5.84854	4.77548	5.05869	5.73217	5.95632	4.71438	4.95161
CROCCP	2.86402	3.59043	2.79844	3.29232	3.51809	2.34856	1.91146	3.18376	2.8232	2.59488	3.44368	2.99513	3.43791	2.98574	3.03679	3.06742
CROT	7.18064	7.39688	7.40347	6.61541	7.84068	7.58901	8.43886	6.9961	7.59042	6.98738	7.0893	7.01269	7.88862	8.12039	8.39449	7.51172
CRP	3.4642	4.35543	3.3373	4.54077	3.96139	3.97703	3.9653	3.67466	4.33776	3.16569	5.21531	3.65093	5.31659	3.74859	3.53545	3.54347
CRTAC1	6.16667	4.70357	6.19045	5.99882	5.8369	5.79553	6.15085	5.55865	5.75828	6.8185	5.93894	5.81021	6.11134	5.57644	5.37062	5.8792
CRTAM	7.24097	7.70912	7.69452	7.83864	8.14205	8.1319	6.90806	8.41793	9.02862	6.5877	7.55694	8.81366	7.78913	6.31353	7.24953	8.08445
CRTAP	6.71149	7.00403	6.31936	7.61336	6.89144	7.1396	6.84518	6.95754	6.69348	7.27718	6.82702	6.41911	6.40325	6.59992	6.77343	6.63953
CRTC1	4.53976	3.99397	4.193	4.28503	4.48486	4.60263	4.79407	3.92436	5.0289	4.58146	3.61825	5.84212	5.04222	3.7497	4.17905	4.08394
CRTC2	3.17857	3.92591	4.11056	4.03862	4.22631	3.93664	4.20319	3.45352	4.37613	4.31215	5.60533	5.67663	4.20792	4.51886	4.28189	4.13063
CRTC3	6.66929	6.32323	7.69659	7.54638	6.97291	7.43906	7.29787	6.92148	7.4801	6.79309	6.80475	7.25476	7.41204	6.89817	6.79818	6.81668
CRX	2.25724	2.47612	2.09936	2.01874	2.53901	2.68743	3.11783	2.25875	2.33881	2.25724	2.08404	2.58537	2.33582	2.42891	2.73907	2.91561
CRY1	9.21051	8.74446	9.58421	9.89772	8.44675	9.06514	8.95876	8.57847	8.53486	9.07296	8.92921	8.42505	8.00205	8.50078	9.43005	8.6446
CRY2	7.5985	5.99244	5.97254	4.18478	5.83049	6.74298	6.02435	5.54537	6.62664	6.16275	4.87602	4.18135	4.66581	6.44624	5.72165	2.76844
CRYAA	2.91334	1.67217	1.4899	1.63196	2.44843	1.4697	1.03884	1.04435	2.03262	1.69907	2.98436	3.10037	1.35312	1.5436	2.29341	2.99971
CRYAB	4.98058	4.1932	5.4513	4.60376	6.76579	4.7822	6.48861	6.53713	6.7877	8.23881	6.88475	5.82484	6.32323	6.75934	5.38495	4.35788
CRYBA1	0.82494	1.35876	1.41969	3.02476	1.11444	1.81697	1.24246	1.04435	1.69898	1.59139	2.21379	1.122	1.89786	0.73695	2.65173	1.92725
CRYBA2	2.23882	2.1636	2.35871	1.67907	1.88842	2.18538	1.32308	1.31605	1.53958	1.43866	1.15042	1.19537	2.31554	1.4403	1.22113	1.66002
CRYBA4	4.92233	4.13607	5.67953	6.0536	3.70286	4.10435	2.73211	2.88789	5.48754	4.10188	2.83774	3.36359	4.09292	5.23003	2.72952	5.61508
CRYBB1	3.26635	4.5714	3.68203	2.34348	3.65448	3.35168	3.68625	3.25357	3.46459	3.95892	3.47644	3.483	3.60262	4.4695	2.79339	4.07967
CRYBB2	4.6618	4.75713	6.68773	4.22883	5.78152	5.44553	5.01022	3.70769	3.82945	5.30815	3.91647	5.32994	4.22425	4.02841	4.81782	4.93246
CRYBB2	4.46162	4.67765	4.6656	4.65737	5.41414	4.73261	5.01612	5.88481	5.04804	4.0601	4.82081	4.17188	4.31702	5.12769	4.73125	5.15309
CRYBB3	2.63482	2.67513	3.98497	3.10053	3.76997	3.27349	4.52964	2.55884	2.76258	2.34717	3.02585	3.31042	2.73615	3.46534	2.29341	3.66526
CRYBG3	9.0163	8.23881	8.63992	8.93303	7.4807	8.56923	8.90648	8.46688	8.46832	9.62902	7.92769	8.11439	7.46085	8.48009	8.31557	7.20515
CRYGA	3.16429	5.5295	4.22871	4.71865	4.97974	3.49365	3.0573	3.55509	2.86093	3.25068	4.97185	3.74466	3.50584	5.17875	2.70965	4.04011
CRYGB	2.53024	2.53824	1.97795	2.97356	4.31232	3.09851	3.23578	2.731	3.6792	4.38311	2.41572	4.24374	2.49591	4.13014	5.35208	4.51207
CRYGC	4.77121	4.05789	4.77797	3.45327	5.28004	3.99858	3.35187	3.37974	5.90526	5.75475	3.46534	3.04581	3.68721	3.42962	3.81591	3.95427
CRYGD	5.94789	5.71639	6.40488	6.0218	4.97974	6.43994	5.37133	5.77868	5.30913	6.29537	5.42673	6.15572	6.17486	5.59748	6.19838	5.98353
CRYGEP	4.57039	5.24458	5.49251	3.39777	5.55298	6.39244	3.29192	5.86803	5.73556	6.16561	5.25417	4.73947	6.63063	4.61514	4.62974	6.38299
CRYGN	2.16905	2.49227	2.29132	2.12186	2.18367	2.39513	2.67152	2.75656	2.64558	2.95492	2.63321	2.44179	2.73615	2.65463	2.65173	2.4155
CRYGS	5.69813	5.34487	5.60515	5.28882	5.19152	5.37776	4.02106	4.27232	4.94021	5.97118	5.15429	5.01758	4.96224	4.28659	4.86432	5.46484
CRYL1	7.5679	7.83743	6.98358	7.88984	7.26052	7.432	6.86696	7.49996	7.22296	8.09997	7.30778	7.81169	7.9229	7.69369	7.29703	7.52444
CRYM	9.39051	8.2105	8.24244	8.33246	6.62758	6.88989	6.83931	6.99367	7.13134	8.33571	6.53759	7.93978	6.67195	6.76324	6.91111	6.66994
CRYZ	8.01247	7.8419	8.54142	8.55255	9.2707	8.87865	8.81129	8.62066	8.12416	8.77241	8.39851	8.2838	8.60184	9.16131	9.72748	8.76808
CRYZL1	6.37807	6.23706	6.1231	6.40989	6.41612	6.39572	5.95553	5.72892	6.45247	6.25921	5.97118	6.27938	5.64024	6.37168	6.0936	5.70701
CS	8.40382	9.00781	7.99622	7.26448	8.4102	9.5648	9.05644	9.09212	9.53392	8.99568	8.7884	7.96021	9.31454	9.47648	8.63551	8.4383

CSAD	4.88779	4.38162	5.31202	4.47585	4.70017	5.24821	5.93081	4.75315	4.60464	5.75929	5.60235	5.44903	5.12829	5.79118	5.45029	5.0129
CSDC2	3.29685	1.54402	2.59102	2.79365	2.79083	2.24655	1.68451	1.91261	1.76451	2.5437	2.01441	3.39606	3.42036	1.97057	2.89621	3.08868
CSDE1	10.0029	10.2459	10.2725	9.76707	9.35321	9.43955	9.50044	8.9396	9.67232	10.2039	9.55257	9.70802	9.47711	9.59898	9.51582	9.5326
CSE1L	7.50595	7.35571	7.30736	7.29896	9.28645	8.36651	9.52199	8.9792	8.52577	7.33255	8.66327	7.22296	8.83123	8.92733	8.89283	9.21885
CSF1	3.88289	4.71531	5.47752	4.30918	5.8509	5.83143	5.8691	4.93282	6.0044	5.52467	5.87762	5.33145	5.73085	6.13374	5.01477	4.40483
CSF1R	6.18149	6.5551	7.70043	7.0764	6.44283	7.28227	6.54628	6.84849	7.55047	7.15042	7.09561	7.11663	6.13485	6.90468	7.20402	6.73791
CSF2	5.54064	5.47619	5.95435	6.3346	5.53265	5.92675	5.88734	6.0737	5.15076	6.2478	5.21834	6.07029	5.91823	5.43394	5.92	4.78297
CSF2RA	3.58121	4.52489	4.9939	3.0133	4.59471	4.19177	4.3331	3.35187	4.89016	3.37079	4.89975	4.38917	3.63219	4.39898	4.83125	4.72831
CSF2RB	8.94204	10.7222	11.6219	10.4068	10.8973	9.97305	10.0919	11.3587	10.1153	9.1073	11.3034	9.5671	10.1309	8.93342	10.3468	9.61505
CSF3	4.89951	6.51957	4.25556	4.83683	3.53849	4.33243	3.83857	5.28592	3.95837	3.47656	4.20991	4.53637	6.64301	4.9403	3.43307	5.3398
CSF3R	5.43281	5.20172	5.18926	4.21622	3.52979	5.06539	4.09851	6.8113	6.23037	4.27613	7.01699	6.13065	6.3353	4.52838	5.00103	5.65765
CSGALN	6.32093	6.51077	7.90087	7.6884	7.13233	7.38616	6.26824	6.95458	6.7186	7.8802	8.08201	7.21396	6.55911	6.40473	6.65193	6.12758
CSGALN	6.29734	7.5342	6.91379	7.01754	7.6532	7.01673	7.78913	7.28538	7.40862	6.61915	7.97727	7.23753	7.84356	6.77008	8.40309	7.4234
CSH1	2.21029	2.56774	3.30294	2.65796	2.97095	2.78532	2.81469	2.23712	2.47145	2.98998	1.54854	2.04143	2.29255	2.97219	2.49591	2.01298
CSHL1	4.18123	4.38594	4.4044	3.36969	3.91319	3.17975	4.56226	3.58935	3.90701	3.59806	3.75226	3.45895	4.74067	4.35384	4.30792	4.60821
CSK	8.27535	9.19948	8.34233	8.93143	8.59024	8.89238	8.64417	9.12925	9.57703	8.63859	8.96044	8.96961	8.52405	8.38509	8.14826	8.57988
CSMD1	5.15199	4.71149	5.06692	4.91702	5.29777	4.27723	5.45261	4.47073	4.27754	4.8611	4.14737	4.04301	4.49249	4.46011	4.39114	4.27998
CSMD2	6.0061	5.90869	6.32715	6.13585	5.1339	5.54309	6.44361	6.10124	5.54715	5.76092	5.57982	5.56314	6.54354	5.97567	5.86	5.59977
CSMD2-A	3.88851	5.87972	5.83049	5.37588	5.48441	5.65526	4.90633	5.25678	6.63893	4.96132	5.27518	6.20579	6.706	5.58961	5.58438	5.42382
CSMD3	5.95608	6.19499	5.93474	6.3828	5.0817	5.97782	5.08709	5.3451	5.0435	5.41838	5.17761	5.75224	5.98777	5.19549	5.48965	6.23706
CSN1S1	5.75738	5.22858	4.95276	5.9893	5.77673	4.66192	4.77792	4.91489	3.06765	5.541	2.72092	6.00261	6.80189	5.73779	5.37759	4.73027
CSN1S2A	5.08159	1.94258	1.13258	3.74939	1.00765	0.61335	3.00912	3.0481	0.89896	3.07203	4.86304	2.509	4.55949	4.06652	2.98901	2.86424
CSN2	5.24859	4.64949	5.75259	5.77843	6.12195	5.66497	6.66656	6.79985	5.32765	5.94323	4.99175	5.88076	4.92663	4.85467	6.12201	5.33762
CSN3	4.41574	5.21546	4.08953	2.90159	3.93705	1.63688	3.86818	5.69927	4.13584	6.39985	4.61069	4.06056	2.39587	5.04161	3.95895	4.90519
CSNK1A	6.74365	6.92598	6.70305	6.48757	6.57951	6.90567	7.45526	6.52323	7.21344	6.88337	6.5687	6.28487	6.96411	6.46194	6.8119	6.67837
CSNK1A	3.13246	2.99228	2.11428	2.88071	2.33881	2.67969	3.10453	3.17146	3.49474	2.57765	2.3203	3.15604	3.42036	4.40268	2.63378	4.5359
CSNK1D	7.04694	6.79723	5.59206	5.90706	6.11493	7.24097	6.50907	5.68906	6.99781	6.29625	6.38016	6.88815	6.47704	6.82812	6.67366	5.48818
CSNK1E	7.18817	7.28682	7.64528	7.08612	7.24216	7.22234	6.2291	7.00351	7.35212	7.58424	7.27377	7.68956	6.79818	7.07031	6.85291	6.36329
CSNK1G	5.89586	6.05707	5.74512	5.39962	5.21834	6.05028	5.82956	5.63065	5.62247	6.02838	5.43961	6.04708	6.21882	5.59162	5.86436	6.06758
CSNK1G	7.67964	7.0964	8.20591	8.04669	6.87653	8.2507	8.09933	6.3114	7.39669	5.59041	7.5578	7.50665	8.28309	7.97022	7.69867	7.97022
CSNK1G	2.53024	3.04911	3.86359	3.3738	3.68084	3.44117	3.32901	3.52249	3.33041	2.63576	2.79035	3.4402	3.57524	4.08394	2.69546	3.96332
CSNK1G	6.47024	6.65691	6.56339	6.21045	6.8071	6.69213	6.7877	6.84693	6.82553	6.36767	6.59103	6.0422	6.79541	6.60736	6.53804	7.13557
CSNK2A	6.51269	6.93064	7.02452	6.3443	6.81521	6.86998	5.65011	6.03515	7.22488	5.71282	6.69244	6.43519	6.50119	6.90769	6.60124	6.84397
CSNK2A	7.73431	7.84768	7.3888	7.70458	7.64388	7.92906	7.39069	8.14808	7.74011	8.37443	7.54137	7.44601	7.87248	8.40309	7.88396	7.97147
CSNK2B	9.61505	10.2928	9.94182	10.0444	10.1813	10.3113	9.65609	9.60844	10.1401	9.7968	10.2195	10.0667	10.3298	10.5062	10.5313	10.1401

CSPG4	4.95828	4.47514	5.55944	4.3118	5.84764	5.17003	5.11873	5.1418	4.42735	7.72407	6.176	3.84505	3.78054	5.3347	4.95701	3.9348
CSPG4P1	2.34348	3.09358	2.39414	3.06525	2.61273	2.67969	1.85693	1.73724	2.50218	2.91059	2.21379	2.20167	2.59488	2.93125	2.36623	3.23061
CSPG4P5	3.36587	3.86261	2.48448	2.52969	1.54197	2.88086	2.20014	2.67421	3.63964	2.66614	2.10233	3.18013	2.39587	3.31071	2.34348	2.28681
CSPG5	5.80993	5.28498	4.67416	6.09622	5.15888	5.05653	5.08426	5.69246	5.39962	4.98524	5.43322	5.59883	5.02826	5.31564	5.96744	5.65057
CSPP1	6.52681	5.50982	6.3484	6.37561	6.33933	5.46062	5.97073	5.21788	5.96227	5.89386	6.40779	5.74722	5.64109	6.0519	5.75522	5.87972
CSRNP1	7.44587	7.22288	6.88851	7.47964	7.12575	7.4292	6.91176	7.8327	7.38798	7.72919	7.67291	7.82907	7.40525	7.22086	7.51096	7.6636
CSRNP2	6.5596	5.98617	6.67644	5.64923	7.13836	6.64326	6.58303	5.37522	6.27798	6.66401	6.73025	5.9717	6.74019	7.737	6.69377	6.58025
CSRNP3	3.69689	3.87174	4.44608	3.89038	3.53424	3.23403	5.5832	3.48161	3.8954	4.54977	3.72504	3.33247	3.95084	6.49089	4.49355	4.47992
CSRP1	8.70461	8.8088	8.31815	8.04288	9.77645	9.54936	9.4807	8.71228	9.91603	11.547	8.99568	9.25706	9.45067	9.35321	9.77798	8.96961
CSRP2	8.18753	8.68947	8.4703	8.69948	8.45757	9.06823	9.97305	9.12408	7.87951	7.98789	8.08617	8.31557	9.10357	9.23508	8.81366	8.26814
CSRP3	1.64611	1.62441	1.68451	2.38778	1.73976	1.78116	1.68451	2.07548	2.47145	1.82992	2.10233	2.46803	1.68682	2.16332	2.00801	2.22886
CST1	3.72099	3.98362	6.99689	3.5907	3.98376	5.61194	3.97251	3.43351	5.41662	4.00874	3.08532	3.50641	3.0877	6.06808	5.8839	6.04451
CST11	3.30487	4.22943	4.81772	4.60892	4.78042	4.45043	4.96357	4.1913	4.27998	4.76678	4.78935	4.72209	5.26512	5.08353	3.83875	5.05043
CST13P	3.29685	4.22688	5.34947	3.73033	5.18485	4.20319	5.06647	5.3264	5.71298	5.01601	5.16519	5.13371	5.66559	6.18234	3.4529	4.09222
CST2	2.81334	2.82798	7.32536	2.63639	5.18876	5.95178	3.00912	4.62117	4.17624	7.4811	5.85558	3.93749	3.46411	6.75745	4.32106	5.98886
CST3	6.07413	6.06992	6.05731	6.41612	6.08299	6.51033	6.43323	6.1826	6.63119	6.91486	6.40411	6.23107	5.93531	6.39601	6.24413	5.68906
CST4	5.94573	5.93821	8.55764	3.6256	6.60593	7.12487	6.94683	7.61668	7.09069	9.56083	5.6503	6.22542	6.71592	7.34526	6.73729	7.27077
CST5	5.4315	2.79266	3.69005	5.39736	5.68755	4.16542	2.78886	4.45148	4.6793	3.25068	2.07483	5.78361	1.59204	3.29459	3.5512	2.69842
CST6	7.27175	7.14036	3.73945	7.2112	5.04627	3.74792	4.08418	4.00856	5.70877	4.37418	6.22725	6.05262	2.36805	4.1611	4.87602	5.76889
CST7	4.05217	4.55111	5.42204	6.87298	6.99403	5.21084	4.12999	6.63155	7.0306	3.49311	7.10583	7.26649	6.61785	4.66808	6.6126	5.05177
CST8	3.61236	3.78714	3.24205	3.74939	3.66644	3.6144	3.818	3.84143	4.00589	3.44491	3.73917	4.4103	3.85528	3.80927	4.37551	4.34302
CST9	2.37329	3.28675	3.79162	2.0998	3.03309	3.01096	2.47678	2.13755	2.03262	2.88148	1.98377	2.20167	2.73615	3.71992	2.34348	2.38828
CST9L	4.53148	2.74824	5.41027	5.42404	5.15416	6.22635	5.22236	3.27157	5.50616	5.64594	4.68708	5.57026	5.69754	5.65647	4.51765	5.38669
CSTA	11.2558	12.5323	11.2015	11.5923	12.6989	12.0147	12.8527	12.9043	12.7145	11.25	12.5511	9.95652	12.5183	12.5183	12.6201	11.2756
CSTB	8.90648	9.31398	8.29403	9.32342	8.09739	8.4721	8.9792	8.75484	8.53855	8.62877	9.86381	8.74734	9.14235	9.33149	8.47465	8.38151
CSTF1	6.8268	7.0572	6.96229	6.83691	7.26107	6.62898	6.69916	6.87781	6.89264	6.69042	7.15875	6.98629	7.22787	6.54628	7.22425	7.5049
CSTF2	3.73917	4.92034	4.35703	5.19457	5.64209	4.09191	4.1135	5.67833	5.84362	3.18069	6.26266	3.85641	4.86274	4.99837	5.23907	5.97983
CSTF2T	7.84356	7.0915	7.92001	7.95275	7.43484	7.83883	6.12115	6.31802	7.34582	6.89505	8.39024	7.69972	7.7963	7.73627	8.19276	7.75049
CSTF3	7.27669	7.7715	7.76072	7.96246	8.18026	8.80992	8.50784	8.61099	7.56278	8.1282	7.87951	8.42381	8.20748	8.26134	8.16319	8.18506
CSTF3-A	0.90643	4.41154	2.46272	1.00034	4.01874	1.63688	3.27441	3.52249	1.81152	0.93298	1.91586	1.2545	1.11444	4.58936	1.31925	2.15094
CSTL1	5.01394	3.32466	2.93758	2.67969	5.50605	2.51251	3.47278	5.69927	4.11778	1.82992	3.47644	4.03129	1.97096	2.74868	4.40873	3.35278
CT55	3.29685	3.25613	2.68367	4.02962	3.66644	3.76182	4.34799	3.21508	4.74411	4.57223	3.26817	5.19674	5.74785	3.8872	4.88909	2.96003
CT62	2.75185	1.8084	2.07548	2.55745	2.36593	2.34348	2.1009	1.73724	2.53538	1.96807	1.91586	2.01179	2.5663	2.34474	2.14289	1.80953
CT83	4.89951	2.99228	4.56634	5.31891	4.11679	4.61747	4.24394	5.34019	5.29255	5.18807	4.92944	5.32102	5.05646	4.81051	4.56642	4.73841
CTA-246	6.24052	4.39409	6.33645	5.78685	6.63353	6.47688	6.96702	5.34947	6.16838	6.79978	6.4034	6.1153	6.0682	6.54832	6.13746	6.67777

CTA-250	5.10549	5.93531	5.4729	5.84031	5.22694	5.75747	4.99281	5.53829	5.81858	5.0545	5.02507	5.92548	4.73008	3.96659	5.22442	5.01612
CTA-254	5.94789	4.65943	5.23698	5.27329	5.28718	4.98138	3.86818	5.3347	5.79486	5.06904	3.82034	5.4728	4.67307	4.99322	5.42183	5.25031
CTA-268	3.87518	3.53745	4.56634	6.15228	4.45424	5.5118	4.94479	4.41679	5.41128	4.37418	4.86617	4.97617	5.08852	5.37493	3.99153	4.96683
CTA-280	5.37837	3.81549	4.20503	5.33258	5.11666	5.63879	6.09488	5.12208	5.63875	5.72724	4.488	5.97527	3.77256	5.13618	5.32857	4.44222
CTA-292	2.79297	2.46272	5.34576	4.19106	4.22631	4.65553	1.24246	2.17246	2.18568	5.01	4.70133	4.53637	2.73615	2.13594	2.47462	2.16972
CTA-29F	7.7963	7.93762	7.59679	8.0026	7.41264	7.84207	8.96715	8.29403	7.75362	7.05993	7.67711	8.18026	8.04476	7.95593	7.85896	8.2438
CTA-331	2.21029	2.04582	2.14348	1.26539	1.42806	1.19537	0.61735	1.14774	1.87545	2.88148	1.32308	2.20167	1.29724	1.4899	2.70965	1.89302
CTA-384	3.75698	5.44046	7.04899	3.71004	6.3927	3.95264	4.97071	4.18478	5.66879	2.80132	6.3871	5.03733	5.83943	4.48643	5.1212	6.06561
CTA-390	6.20943	2.86158	5.03262	6.23022	6.9667	7.06134	6.52996	6.11327	6.91554	6.61469	6.00586	5.39305	6.43871	6.40374	6.76859	6.42617
CTA-445	5.32709	6.4899	6.87204	4.10306	5.9226	6.10902	6.59837	5.47147	4.29237	5.58714	5.95178	4.72363	5.56198	4.58359	6.74635	3.83648
CTAG2	4.43867	6.04851	5.65634	4.6787	4.98706	4.62548	5.47477	4.51282	4.66635	5.40398	4.4062	4.1913	4.59778	4.89861	4.72058	4.95919
CTAGE1	5.93081	6.02858	5.60592	5.47965	5.29145	4.83812	5.26131	5.36018	4.95856	5.08644	4.71878	5.41972	5.69186	4.86667	5.62812	5.73754
CTAGE1	3.71123	4.98989	4.10455	2.85497	2.58828	3.73699	5.29633	5.05573	4.04754	5.08139	4.71618	5.14209	4.73847	4.87894	3.88013	3.83921
CTAGE5	7.01158	6.22861	6.15329	6.70933	6.50835	6.10217	6.533	6.2605	6.29208	6.52754	6.44343	5.85541	6.24827	5.97222	6.07207	6.71717
CTB-102	5.32454	3.72982	3.44341	3.76038	2.63482	3.25596	3.10453	3.56906	2.70734	4.10188	3.13394	4.51148	2.92938	3.18151	3.13607	2.9809
CTB-113	4.26669	4.31399	5.9848	3.6256	5.32334	4.89474	4.36468	2.64349	5.01527	5.77406	5.18643	3.77334	5.22455	5.97749	5.15143	4.10052
CTB-119	5.59425	4.6783	5.74919	4.07003	4.63576	5.80045	5.83474	5.76347	4.09292	5.08139	5.85235	5.52122	5.94565	5.83775	5.41113	5.9606
CTB-12A	5.12745	6.26204	5.41479	5.75592	6.8912	4.64364	6.4034	5.89776	6.99403	4.34627	6.6314	5.68932	6.1129	5.82241	4.57565	6.49899
CTB-12O	5.9294	5.8727	5.44903	6.01966	5.40619	5.26618	5.85398	5.45154	5.36761	5.27686	5.46131	5.7441	6.15139	6.123	5.06404	5.98632
CTB-167	4.94543	5.33781	6.37807	6.0554	4.88265	5.41634	5.4508	5.45844	5.17084	6.76466	5.58425	4.96224	5.13109	4.77206	5.03455	5.60592
CTB-174	4.16384	3.42761	4.64502	3.46996	3.39606	3.41719	3.93793	3.43351	2.92006	3.11051	4.92944	4.36401	3.54537	3.57546	3.60386	2.88582
CTB-176	2.98506	3.48434	3.64098	3.46996	3.49824	3.33634	3.40901	3.10948	2.67969	3.87941	3.981	3.19844	4.07063	2.25724	3.23099	4.71816
CTB-181	5.51577	4.35031	5.67169	6.1566	4.84616	5.9445	6.28657	5.53362	5.70095	6.07836	5.02177	5.86232	5.41867	5.90062	5.61104	5.88618
CTB-25B	4.11983	5.54169	5.55827	5.3392	5.85869	5.45803	5.92079	5.66058	5.73855	5.7354	5.58111	5.3582	5.60245	5.57193	6.68416	5.55105
CTB-31O	7.6971	7.96631	7.78616	7.52337	8.16028	7.8862	8.04348	7.7726	7.30778	7.83726	7.24715	8.5288	8.02678	7.80604	7.48683	8.29264
CTB-31O	1.92303	2.53824	2.85145	2.1445	2.29738	2.45459	1.63196	1.96139	0.69487	2.01376	2.07483	2.36593	1.59204	2.65463	1.70284	1.0625
CTB-43E	4.44608	4.02672	5.64095	4.71279	3.35289	5.13815	3.14316	3.73495	5.85107	4.26756	4.95972	4.86421	3.05227	4.03667	4.58061	5.34559
CTB-50L	4.07206	4.52696	4.5554	5.89088	5.58847	4.26501	3.87897	4.39881	4.28832	4.35645	6.03361	3.76552	4.369	4.58936	6.10779	4.27004
CTB-78F	2.94778	3.01952	2.77497	3.46996	2.65839	2.74824	3.23578	2.81438	2.18568	3.55696	2.36593	1.73861	2.17097	3.12884	3.30762	2.22886
CTB-92J2	5.88381	5.91125	6.69189	6.32705	7.3201	6.13923	5.07033	6.93854	6.18646	5.39491	6.68677	6.16815	4.15694	7.00532	5.31676	6.03028
CTBP1	6.87959	6.9415	6.92778	6.71871	6.90303	7.26944	6.774	6.05798	6.92817	6.15584	7.48191	7.10697	6.74074	6.34603	7.24292	7.15354
CTBP1-A	3.74737	5.12193	6.02659	4.51886	3.78235	5.99268	3.49217	4.41679	5.77903	3.80685	3.03593	3.53998	3.53101	3.24563	3.32134	2.61375
CTBP1-A	5.54288	6.6449	5.37312	5.09234	5.68517	5.6558	5.89386	5.55283	5.42342	6.02758	6.22361	6.73025	6.96067	5.44001	5.82846	6.44164
CTBP2	8.32213	7.94023	7.36756	7.42907	7.26549	7.81046	7.64499	7.53221	7.91692	8.2105	7.39238	7.29993	7.27909	7.74423	7.89038	7.77571
CTBS	8.04821	7.71156	8.63335	8.24318	7.96537	7.77814	7.93861	7.78225	7.47747	7.93452	7.95894	7.98398	7.83011	8.31608	7.69278	7.95572

CTC-338	5.06616	5.18807	4.94515	4.92985	4.60781	7.32935	5.04479	5.59274	5.03802	5.40619	6.17202	6.09131	5.10586	5.33553	5.97073	5.44417
CTC-360	3.11441	3.40176	3.48538	3.35104	3.46884	2.36638	4.42885	4.00856	3.25201	3.46275	3.09709	3.14285	3.30026	3.70919	3.57849	3.80861
CTC-384	3.36587	0.69487	0.27064	1.00034	2.76484	0.67532	-0.238	1.54991	1.45473	-0.3067	0.99002	0.61335	4.34627	-0.5828	-0.2642	2.76844
CTC-425	7.25418	7.18309	7.44302	6.97459	6.20022	7.8415	9.31398	7.07946	8.63946	7.03111	7.54102	7.11301	7.17711	6.68352	5.94805	6.32263
CTC-428	6.86331	7.12292	7.72199	7.40049	7.46257	7.48341	8.0442	6.89843	7.29055	7.81285	6.63051	6.6608	6.47791	6.80813	7.44793	7.06488
CTC-428	5.24098	5.52577	5.3782	5.64965	4.97329	4.82194	5.28371	5.62022	4.78164	5.39029	5.25417	4.542	5.39073	5.50599	4.95436	5.50359
CTC-429	6.73301	7.10181	7.49883	7.56828	7.0519	7.82993	8.18359	6.17633	4.65199	7.80556	5.08327	7.31673	6.77365	7.01235	7.20912	5.94638
CTC-436	2.08404	2.77081	1.79898	1.73098	1.3442	1.73976	1.98828	1.14774	2.03262	2.01376	1.91586	2.13113	2.2085	1.17253	2.23945	1.77343
CTC-444	7.39156	6.73498	7.49352	7.05041	7.74136	7.47109	8.15863	7.35698	7.90044	8.01515	7.27323	6.90997	7.47109	7.40236	7.63045	7.18784
CTC-459	7.17552	7.59211	7.31288	7.48777	7.27377	7.1968	7.17193	7.59619	7.22006	7.54501	6.56901	7.27718	7.17072	7.15313	7.47512	7.14123
CTC-462	-1.4826	2.1636	2.25072	2.43076	3.68084	2.31052	2.06028	1.73724	2.92006	2.01376	0.31556	0.75844	2.96494	2.22838	2.29341	2.07548
CTC-471	2.79297	2.69344	2.42383	1.63196	2.21727	2.36638	2.61298	2.46648	3.40648	2.93344	3.02585	2.53152	2.00801	2.70047	1.88334	2.69842
CTC-471	4.1611	4.39832	3.57385	2.78286	4.83168	4.18362	3.86158	2.82798	3.67359	3.53187	3.17246	2.18884	3.38447	2.70965	3.42226	3.20944
CTC-471	3.17857	4.59455	5.65207	5.16352	5.51128	4.82763	4.96563	4.9984	5.45949	5.14202	5.10961	4.39854	5.59525	4.34433	5.27341	4.64753
CTC-510	5.63462	5.07679	4.39825	4.72375	5.22268	5.70221	6.11701	5.44583	4.66437	5.40509	5.34654	5.99416	5.44143	6.06328	5.72807	5.69955
CTC-523	5.27357	5.76663	6.02133	6.12918	7.05884	5.64632	5.40905	5.57521	5.85866	5.69927	5.29132	5.61554	5.79553	4.60279	5.75191	5.12161
CTC-527	4.88056	3.31135	3.76552	4.21125	3.95816	4.02752	3.14316	4.45148	3.60923	3.63896	3.55809	4.64969	4.63261	4.369	5.21941	3.1481
CTC-550	4.09491	5.20259	5.72572	4.68646	4.38405	5.7804	4.19082	4.33496	4.09292	4.79376	4.0196	4.20947	5.4553	4.34433	4.58061	4.35197
CTC1	3.57764	4.03916	5.68541	4.12652	4.79031	4.86873	4.61373	5.4816	4.75073	4.60638	4.63296	5.74127	3.68339	4.26797	4.94502	4.71037
CTCF	7.92577	8.23555	8.30299	8.0712	8.15667	8.29485	7.99096	8.77241	8.81989	8.09264	8.38345	8.27971	8.37877	8.02883	8.33124	8.04951
CTCFL	3.09851	4.98989	3.1811	3.97955	3.33875	5.30898	4.92724	4.08791	4.61934	2.63576	2.24458	3.42733	4.67307	3.79618	4.95919	3.0606
CTD-200	6.14011	6.16862	5.28718	5.74598	6.02566	5.99097	6.26102	5.84319	5.6132	6.23691	5.86142	6.40159	6.24198	7.04312	5.84548	5.98051
CTD-200	4.92554	5.11501	5.58393	5.69638	5.17831	5.93344	6.70707	6.20038	5.26149	5.85761	5.33296	5.90396	6.92712	5.34118	6.14115	5.92473
CTD-201	6.55446	6.34505	6.89645	6.8352	6.59027	6.18	6.62245	6.61839	6.28785	6.58211	6.38308	6.70005	6.87122	6.63146	6.1126	6.13354
CTD-202	5.71671	5.34065	4.70407	5.16352	4.19738	4.9039	5.34628	4.79259	4.94929	4.22052	5.63395	5.23859	5.89672	4.72987	5.05327	4.63943
CTD-203	4.63591	3.28675	3.93627	1.85049	2.63482	4.21021	2.5047	2.04007	1.59296	3.25068	2.66551	4.42829	1.73296	2.05268	2.07498	4.04011
CTD-203	3.78698	5.49063	5.97254	3.91668	4.53186	6.42309	6.51608	6.01489	5.79486	5.23533	5.74019	5.35438	4.44582	3.73088	3.53974	3.80861
CTD-207	5.75547	5.75554	5.35834	6.06534	5.12089	5.79691	5.10831	5.9856	5.3524	5.25952	5.37493	5.20401	6.07969	6.77653	4.98404	5.86266
CTD-208	3.81865	3.12278	3.19256	5.92025	3.55491	3.71116	3.61825	3.96044	4.02473	4.25792	3.77904	2.91196	5.52053	4.81051	3.70234	4.81692
CTD-208	5.36845	6.02581	6.65763	5.84845	5.57898	6.68061	5.49899	5.7594	5.82261	5.69464	4.5939	6.60321	3.78698	4.14195	5.11379	6.06561
CTD-211	4.69157	5.23593	4.52167	4.59609	5.18876	5.78654	5.6613	4.95679	5.64719	5.39899	5.3795	5.49854	4.97697	5.52482	5.44505	5.7418
CTD-212	6.25872	6.11493	6.19263	6.22635	6.40488	6.15366	6.79447	6.2118	5.73816	6.84461	5.92644	5.90756	6.2118	5.75568	6.01377	6.04417
CTD-213	4.07206	3.62805	2.61382	3.28542	3.27783	4.28649	5.34628	6.1163	5.39064	5.59977	3.20659	4.10853	3.54537	4.92635	2.54889	4.11111
CTD-216	5.14061	5.77313	5.92206	5.49184	5.0677	5.46406	3.60262	5.93381	5.50616	5.17323	5.24464	5.00749	4.33795	4.31831	5.83438	4.43638
CTD-219	5.50467	4.08875	6.22214	5.66702	5.15954	5.32297	5.38812	5.21589	4.83468	4.77152	4.81003	4.72092	6.19705	5.41453	4.99054	5.84778

CTD-219	4.75761	4.36917	5.45881	4.58019	2.87786	5.79691	4.58061	3.25357	3.97161	4.0807	4.12088	4.38384	2.52228	4.63956	4.17392	2.59102
CTD-225	3.56191	3.12278	4.69821	4.07003	4.25669	2.42212	2.9333	5.28095	4.60738	5.86819	3.55809	2.38821	4.92092	5.49251	5.38495	5.07599
CTD-225	4.29421	4.24629	3.66581	4.11572	4.00401	4.22923	3.85658	4.46162	3.06765	4.25004	4.03549	4.2698	6.51929	4.17756	4.10961	4.2961
CTD-226	6.68799	6.61097	6.70793	6.38687	6.17921	6.69845	6.33001	6.84723	6.7186	6.22203	6.2505	6.43896	6.35449	6.58555	6.57223	6.79018
CTD-228	3.25147	3.51602	3.14177	3.5907	4.70851	4.63077	4.51685	4.36705	5.16507	4.00874	4.22933	4.51148	4.70836	2.99448	4.09448	3.31065
CTD-228	2.44059	3.58335	2.35871	1.96731	3.61465	2.51251	3.00912	2.91144	3.36695	2.12186	4.66481	2.41615	2.2085	3.99364	3.74409	3.75934
CTD-228	3.69533	4.31108	3.74409	3.58506	4.05696	4.39175	4.33243	4.10225	3.95124	4.09427	3.77246	4.17126	3.55406	3.42552	3.36671	4.24885
CTD-229	7.92217	7.3725	7.02757	7.77571	8.25798	7.72862	8.56452	6.90293	5.47164	6.26461	5.89999	6.46024	7.04911	6.51651	6.97003	6.44309
CTD-229	2.89649	2.31976	1.79898	2.22193	3.26091	1.95254	1.73976	1.51119	3.13363	1.69907	3.3159	1.4899	3.23246	1.64103	2.41671	2.76844
CTD-229	5.65893	4.96244	6.08478	5.79452	6.01803	6.21688	6.72093	5.39962	5.45949	5.72724	5.99489	6.24081	6.46984	5.4694	5.76895	5.72689
CTD-230	3.02599	3.13884	1.4899	2.97356	1.20215	2.07394	1.122	2.93245	1.92414	2.93344	4.43705	0.90097	2.54194	3.79618	2.79339	2.63794
CTD-231	1.64611	5.05415	5.34103	2.52969	2.47594	4.9311	2.83966	3.73495	3.87677	3.47656	3.40575	4.44959	3.88172	5.09335	1.4899	4.83492
CTD-231	1.96392	1.84587	1.70381	3.00618	3.14557	1.995	2.1009	3.39861	2.25875	2.83032	2.21379	2.66471	2.07729	2.99448	3.04901	2.26153
CTD-232	3.33951	3.69964	3.58903	2.75974	3.32431	3.54848	3.57168	5.25678	4.16584	3.66644	5.46222	3.23711	3.17825	4.34433	2.95994	4.2961
CTD-235	3.56191	5.13199	6.11483	5.59032	5.0419	6.01899	3.55696	6.11122	6.33073	6.0512	5.49407	4.57214	5.94746	6.23714	5.21162	6.03336
CTD-236	6.47743	6.86529	6.72297	6.53264	6.32989	6.99526	7.87727	6.79985	6.73719	6.33734	5.85017	6.1153	4.82036	6.89636	7.0367	6.39033
CTD-237	2.00108	1.71163	2.82464	2.03633	1.11444	-0.5013	0.11027	0.27064	2.22165	3.07203	0.5704	1.77016	0.6691	0.89896	0.74207	0.69824
CTD-237	4.60678	4.87197	4.50237	5.12105	3.52527	4.06264	4.32228	5.34947	6.20964	4.02075	5.59567	3.91935	3.42036	4.5359	3.75151	5.27518
CTD-252	3.70138	5.21546	4.8564	5.90124	5.01701	5.37003	3.55696	5.36903	4.7581	3.72029	5.33963	6.13377	5.73271	3.8419	6.33094	5.5143
CTD-252	6.58884	5.31582	6.32366	6.29983	6.65352	6.29873	6.0054	5.28095	5.40317	5.57542	5.75058	5.53254	7.04352	6.6676	5.81659	6.50178
CTD-253	2.77283	3.35252	2.82464	2.00313	2.50418	3.96435	2.56625	2.46648	2.58986	4.17211	2.54194	3.03309	2.36805	3.66246	2.81201	3.73803
CTD-253	7.54269	7.46455	7.66395	7.73058	7.36932	7.99636	6.73015	7.68616	7.21523	8.00126	7.14971	7.45122	7.25098	7.88943	7.29975	7.58939
CTD-253	5.08775	5.25494	4.56634	5.01314	3.41088	4.44653	4.64688	3.55509	4.3125	5.27076	5.36397	3.3733	3.64142	5.62497	3.18863	5.04804
CTD-254	3.16429	4.04274	5.41719	3.33739	4.34735	4.42491	5.12739	3.6374	3.25201	5.41012	5.07244	4.44959	3.26844	3.86642	4.80793	5.10065
CTD-254	3.86261	2.51658	4.06126	3.39777	4.85056	4.33243	3.23578	2.40011	3.76729	3.25068	3.06624	1.19537	1.97096	3.52815	4.21327	4.22209
CTD-254	4.73822	5.41489	5.24515	5.40179	5.54452	5.26406	5.46734	4.59647	5.39064	5.37867	4.87189	5.72434	5.54686	5.49251	5.64618	5.88618
CTD-254	6.17611	6.78172	6.70872	6.57137	6.65186	6.47506	6.75064	6.77145	6.29094	6.90016	6.29651	6.48651	6.90439	6.88035	6.60444	6.48673
CTD-254	7.4231	7.5278	7.58738	7.45982	7.04795	6.77644	6.75699	6.8336	6.66059	7.22311	6.4066	6.91433	7.48581	6.77836	6.22635	6.93874
CTD-255	5.92582	5.81135	6.47918	6.48445	4.79743	5.17834	6.11701	7.35469	6.64383	6.99294	5.97755	6.09052	6.48318	5.66772	7.02233	5.74475
CTD-255	6.19203	4.72297	3.67421	2.79365	5.99529	3.37812	3.39293	3.67908	3.86642	6.23462	3.12278	5.2571	3.53101	3.47687	3.55805	4.10606
CTD-256	3.28382	3.09358	2.95766	3.15929	4.51121	3.13279	3.10453	3.10948	3.60923	3.2328	2.13586	3.22488	2.75699	3.05474	3.26899	1.70353
CTD-258	3.80647	3.57431	3.08807	3.56531	3.73118	3.52398	3.77935	3.65408	3.22752	3.49311	3.09709	3.83791	3.64142	2.62575	2.78105	3.67519
CTD-258	3.56191	2.49227	2.35871	3.57686	3.71929	3.37812	3.32901	3.50531	3.50839	3.70919	2.48014	3.41704	3.84364	3.6144	2.36623	4.19396
CTD-261	1.37327	1.32117	1.3689	2.06899	1.54197	2.88086	1.43866	3.41422	1.81152	1.35594	3.26817	1.69916	1.4697	2.25724	1.35876	1.73976
CTD-261	3.74737	3.53745	4.01912	5.96305	5.01197	5.13024	6.17104	3.79039	4.87322	5.15403	3.97251	4.09275	5.88635	5.57842	3.99153	4.62964

CTD-261	7.45526	5.83371	4.27544	4.51886	6.1534	6.30551	7.17193	5.49524	6.493	6.21063	6.31081	5.85641	6.46809	7.01235	6.34106	5.31404
CTD-261	3.44273	2.41683	2.04684	3.1994	4.95776	2.51251	3.23578	3.60236	5.21762	3.26858	2.66551	2.93048	3.51845	4.2645	3.29289	3.34078
CTD-263	4.11079	4.50537	4.18506	4.34058	5.68755	4.06264	3.97251	4.41679	4.10622	5.85135	4.9748	3.61408	3.78698	3.80927	3.84644	3.6836
CTD-302	4.84143	1.7774	5.61659	5.41719	6.65186	5.41634	6.39959	5.28095	2.43603	4.63911	5.68938	5.2073	3.97703	5.73779	6.61557	5.65157
CTD-302	4.07206	2.97605	2.44429	3.46996	2.1445	3.20546	2.31492	3.43351	2.83517	2.50603	3.41787	2.61134	3.17825	3.14828	3.10868	3.13394
CTD-306	3.79639	6.04592	4.41429	5.27329	4.26628	4.68499	6.02125	5.6453	5.88266	5.40509	5.43204	6.55645	6.33034	5.21946	5.38495	6.56229
CTD-308	2.63482	2.46272	3.50622	3.02476	2.73769	2.53476	2.73211	2.731	2.31622	2.19868	2.99709	1.94688	3.21485	3.57546	2.23945	2.94176
CTD-309	8.98061	9.30096	9.90653	9.39322	8.2733	10.1061	8.84845	9.56952	8.61552	9.11184	7.98728	10.3951	9.1073	8.83036	10.2856	8.56298
CTD-312	6.24627	5.86329	6.68395	6.72174	6.03933	6.35895	4.35645	4.50182	5.98188	6.85982	5.54085	4.61373	6.12219	6.05349	5.77681	5.57083
CTD-319	6.42302	5.54169	4.59156	5.45206	4.51121	4.20319	3.84674	5.90165	5.80222	4.23056	4.95609	4.39323	4.53653	5.61264	4.90254	5.00773
CTDNEP	7.65308	7.42167	7.56657	7.03808	7.08123	7.05993	4.53887	5.75589	6.82357	6.52602	7.03808	8.07334	7.51577	7.19389	6.11992	6.53759
CTDP1	7.1175	6.19272	4.71654	5.72745	5.83766	5.26854	5.35566	4.79956	5.9545	5.94115	6.37591	6.8912	5.45858	4.38727	5.60592	5.77235
CTDSP1	7.9976	8.28836	7.43749	8.19936	6.72689	7.97957	6.74566	6.34224	7.89799	8.64857	7.18439	8.87865	7.30631	6.90032	7.25271	7.27587
CTDSP2	8.64857	8.5744	8.13222	8.29662	7.90683	9.16537	7.44372	7.40347	8.58199	8.40189	8.37525	8.95954	8.41922	8.37711	8.39387	7.19639
CTDSPL	5.6286	5.13157	5.27302	4.59471	5.20142	5.75151	5.20936	4.85602	5.60601	5.73429	5.53595	4.98443	5.1686	4.90267	5.3317	5.46207
CTDSPL2	6.67783	6.33239	6.27726	6.45975	6.09165	6.8106	6.45939	6.36684	6.67817	5.96113	6.07446	6.02499	7.10298	6.45116	6.87387	6.92944
CTF1	3.6565	4.42197	3.90511	3.6256	2.29738	2.31052	2.42155	2.37778	4.36917	4.82316	4.58359	4.10853	2.07729	2.22838	3.18863	2.82844
CTGF	8.06065	5.30779	6.02659	6.10352	4.35974	4.0956	3.42552	3.93793	5.57038	6.11097	6.96616	5.87239	2.26476	4.87322	5.73768	4.02452
CTH	5.15281	3.87881	4.11284	3.77739	3.504	3.73033	3.79888	4.69896	4.08647	3.97703	4.41476	4.28816	4.56438	4.10024	4.39799	4.23209
CTHRC1	7.39219	9.46135	11.565	9.49577	10.2886	8.12753	10.163	9.63286	7.99636	8.42097	8.96961	10.0415	9.06178	9.76893	11.3246	9.96791
CTIF	6.63311	5.83892	5.88338	6.11232	5.78029	6.79474	6.82394	5.34226	6.67513	7.10605	6.35285	6.61479	6.89412	6.89021	5.66433	6.04132
CTLA4	4.62003	5.10549	5.14257	4.98956	5.76327	4.70821	5.06482	5.3528	5.7348	4.30829	5.44477	5.18845	5.63045	5.12745	5.5093	5.02776
CTNNA1	7.48908	7.02213	6.96963	6.91735	7.3965	7.25116	7.63559	6.75972	6.99449	7.32857	6.98222	6.98687	6.96523	7.01158	7.60227	7.40259
CTNNA2	3.02599	2.34474	3.97828	1.20944	2.53024	5.32297	2.81469	2.67421	2.31622	4.28394	2.50161	2.46803	3.49323	2.31516	5.10597	1.66002
CTNNA3	3.74247	3.56473	3.10475	4.04577	3.7466	3.87043	4.1555	3.5135	3.47381	4.08687	4.28545	4.02634	4.17234	3.7359	4.01078	3.77832
CTNNAL	7.97302	7.37723	7.00351	8.08258	6.951	7.82767	7.68253	6.9154	7.30969	7.38177	7.798	7.05622	7.44447	7.29519	7.46126	7.32307
CTNNAP	2.44059	3.48434	2.35871	2.25844	2.29738	3.20546	2.3531	1.3689	2.03262	2.15841	1.1038	1.97567	1.97096	3.10839	2.43868	1.62293
CTNNB1	7.69134	7.44956	7.36492	7.56597	7.3304	7.35149	7.51854	7.79314	7.46963	7.53221	7.61598	6.791	7.18095	7.39805	7.21213	7.36428
CTNNBII	6.02659	6.5054	6.0743	5.71644	5.72807	5.97782	7.22574	6.42707	5.59723	7.1399	6.58884	5.04593	6.19705	6.68405	6.32459	6.27509
CTNNBL	8.34989	8.03646	7.69066	7.71463	8.69651	7.70612	7.93468	8.05758	8.09763	7.83428	8.16376	7.51144	7.6971	8.10225	8.2869	7.65419
CTNND2	5.71771	4.72028	5.69792	5.07648	4.59491	4.8875	4.63841	4.00461	6.45758	5.69831	5.70084	4.38162	5.4365	5.48005	4.79376	5.56557
CTNS	5.18222	4.82236	3.77534	4.16172	4.42968	5.17184	3.83274	4.40483	4.94752	5.32026	5.43864	5.44046	4.69384	4.15034	4.89528	3.95025
CTPS1	6.92615	7.5573	7.50132	6.61749	9.10516	8.02106	8.85546	8.92733	7.97635	7.37482	8.94055	9.11385	9.00106	9.18959	8.99568	8.87708
CTPS2	6.96741	6.61966	5.41101	5.97368	7.44901	7.36045	7.04529	7.66602	7.34053	6.87285	5.76729	6.94115	7.15669	6.02198	7.10488	7.20891
CTR9	8.35656	8.3341	9.28207	9.08296	9.5431	8.24645	8.60184	8.17605	9.07296	8.38294	8.61682	7.92906	8.57847	8.42381	8.89663	8.363

CTRB2	2.72538	3.13884	4.15015	3.36292	2.61273	2.95599	5.45432	2.8638	5.18228	3.68301	3.43836	5.75568	5.24633	4.78915	4.54034	5.39922
CTRC	5.08775	5.09413	5.66916	4.19971	5.70072	6.94509	6.92327	6.67496	6.75365	4.39917	6.03131	6.30769	7.17993	4.58025	4.9403	6.81012
CTRL	5.83789	6.13852	4.46828	5.9814	6.02566	5.88329	5.39211	6.17362	6.02598	5.37429	6.17432	6.04339	5.75797	5.16038	5.80178	6.32291
CTSA	7.73044	7.84662	7.91216	7.43643	7.75453	8.0555	7.16319	7.20402	8.96233	8.39007	8.54913	8.17633	7.71156	7.24036	8.08135	7.07497
CTSB	9.36777	9.22028	9.7968	8.84082	8.7032	8.69689	8.89192	9.4889	10.5857	9.60364	10.4068	9.4367	9.29585	8.66768	8.94789	8.97832
CTSC	7.47582	8.40249	9.36648	8.43264	8.60447	8.65312	6.85943	9.14677	9.7224	6.69641	9.55408	7.81773	9.51355	7.80726	8.75835	8.86149
CTSD	7.81773	7.33722	6.99869	6.46847	6.46703	6.6667	5.23969	5.05573	8.89556	7.0852	8.32985	7.4983	6.73909	6.63146	6.24391	6.17538
CTSE	7.14809	9.65609	6.16152	8.01099	8.41642	7.0308	8.86001	9.48403	6.95333	5.41012	4.67236	7.03639	7.85064	8.78995	5.91325	7.05982
CTSF	8.68367	8.63992	8.04151	7.93338	7.1494	7.2057	7.02757	6.81365	6.82158	9.04127	6.79512	8.29317	7.56047	7.06945	6.84218	7.44071
CTSG	6.45334	6.24105	7.92948	8.49332	6.08731	7.05285	5.98416	6.69951	6.5358	8.39449	6.20181	6.99884	6.51475	6.35603	6.57801	6.04829
CTSH	11.118	11.5206	11.5105	10.9531	11.9018	10.5276	9.92274	11.9171	11.9018	9.71584	10.7696	11.297	11.1496	10.8206	10.6733	10.7062
CTSK	8.23628	9.25053	10.9636	9.5293	9.89394	8.61593	8.15127	9.73529	9.01766	8.52907	9.49953	10.0817	8.80792	8.8719	11.1559	9.39515
CTSL	9.76458	9.42873	10.3951	9.86381	9.98406	10.0079	9.67862	10.8255	10.1423	9.30766	12.0835	9.2593	9.9547	8.97528	9.58716	10.3343
CTSLP8	7.1494	6.78362	7.1062	6.70697	6.59384	7.09069	6.64619	6.72663	6.24261	6.86445	6.62734	6.9948	6.41831	6.79149	6.56452	6.7533
CTSO	6.79978	6.51748	6.88127	6.69951	7.11716	7.26413	6.55901	6.88557	6.59326	7.45526	6.71343	6.12918	7.21396	7.06524	7.22225	7.15069
CTSS	9.43176	9.48206	10.0139	9.57938	9.07417	9.50597	8.27971	9.5431	10.1711	8.67903	10.0415	9.15368	9.41517	8.65357	9.22523	9.47585
CTSV	5.97772	6.60667	7.49325	7.2235	7.22267	6.82178	5.99003	7.07077	7.10298	6.8874	8.22485	6.31543	8.23881	6.43957	6.46304	7.49709
CTSW	2.75185	3.52573	3.83335	5.0714	3.42572	4.81617	3.29192	3.0481	3.35168	3.36001	6.76495	4.04754	3.00618	4.28324	3.15051	3.34078
CTSZ	6.54256	6.08375	6.91944	6.03131	5.27822	5.95982	6.08128	6.38787	6.19189	6.16231	6.84939	6.38344	5.79739	5.14549	6.02637	6.51228
CTTN	6.28503	5.62492	5.56599	5.46406	5.22008	5.59651	6.45625	5.46335	5.17761	5.84978	6.31343	5.86456	5.84093	5.90151	5.31511	5.94871
CTTNBP	5.69349	5.02245	4.30526	5.21663	6.26766	7.77539	6.0882	4.9083	1.92414	5.64594	0.5704	1.54854	3.95924	5.94916	6.54147	1.32709
CTTNBP	6.3829	6.02667	5.87229	6.36226	6.21656	6.71775	6.63258	6.66639	6.54354	5.82134	6.72452	5.85064	6.35534	6.26547	6.94061	5.96765
CTU2	6.2605	5.49513	5.93903	5.79898	5.96269	6.08299	6.03981	5.95632	5.83943	6.18795	5.90568	6.23907	6.02894	6.1223	6.02908	6.06196
CTXN1	5.80361	6.24968	5.05099	6.27029	4.08624	6.05436	3.45602	4.82189	5.47164	5.47514	3.80883	3.92989	6.14652	5.31833	5.21162	5.60255
CTXN3	4.67471	4.65582	5.16078	5.55803	4.03862	4.28922	4.2307	3.8085	4.37359	4.99883	4.4803	4.27649	4.95231	3.91647	3.62201	4.32423
CUBN	5.49125	5.8704	3.93627	3.85758	4.44183	5.19496	6.01067	4.27613	6.15224	3.172	5.63045	4.42289	4.73116	5.13036	4.00819	6.08805
CUEDC1	6.08635	4.93048	5.78705	4.57233	5.23487	5.29401	4.5359	4.29189	5.17818	6.15255	5.73492	5.9052	5.07857	5.45694	5.02507	5.56646
CUEDC2	10.2318	10.4094	10.3502	9.77227	9.57255	10.8485	9.99653	10.6392	10.1104	10.4836	9.90936	11.0825	10.2318	10.8668	10.509	10.6854
CUL1	5.55036	5.77478	5.48773	5.93792	6.74871	6.33896	5.23003	5.45244	5.49958	5.26645	6.77061	5.08327	6.15108	5.40826	6.22394	6.46387
CUL2	6.07787	6.60418	6.08176	5.71558	6.36248	5.89295	6.95233	5.89522	5.71853	4.0279	5.9813	5.17033	6.13912	6.3843	6.62746	6.98274
CUL3	6.71871	7.01699	7.18918	7.43691	7.69585	7.46892	7.64917	7.2897	7.62073	7.45236	6.74845	6.40117	6.45143	7.05651	7.86174	6.87804
CUL4A	6.80263	7.3395	6.93224	7.23363	7.83449	7.00437	7.75483	7.01269	7.09387	6.82876	7.17486	7.00009	7.58542	7.19982	7.75239	7.46659
CUL4B	5.52908	6.34408	6.38016	5.85398	6.61924	6.0697	6.50855	6.23856	6.55687	5.97749	6.233	5.66911	5.91563	5.71193	6.14279	5.46528
CUL5	7.38166	7.08612	6.69457	7.17978	6.88898	6.84273	6.53697	5.55932	6.82022	6.99749	7.00656	6.39306	6.31746	5.91	6.10559	7.1002
CUL7	5.72369	5.73024	6.06691	5.30772	5.88216	5.46462	5.67735	5.2535	5.26177	5.50313	4.43455	5.5909	5.81021	5.5545	5.36466	5.51915

CUL9	5.88635	5.63936	5.92351	5.43004	6.1544	6.08596	5.78665	5.66331	5.92351	5.57791	5.64185	6.24655	6.08128	6.1556	5.99579	5.89586
CUTA	11.6889	11.4157	11.1818	11.3999	10.0868	11.5015	11.5856	11.4272	11.3034	11.4758	10.5062	11.6343	11.2278	11.2822	10.9225	10.8872
CUTC	7.21051	7.96631	7.68357	7.76668	7.64224	7.50291	6.48861	7.27109	7.1491	7.40676	8.02241	7.21396	7.26183	7.71742	7.41711	7.57624
CUX1	6.21586	5.78145	6.67817	5.57585	6.20935	6.81244	6.7557	5.20433	6.54861	6.37458	6.10124	5.33762	5.3882	5.71853	7.07656	5.82328
CUX2	2.50987	4.96044	2.45459	3.26373	2.82501	4.00266	3.1574	3.5613	3.55971	3.53466	3.71713	3.31255	3.4974	2.90159	3.13119	4.0649
CUZD1	4.75238	3.99153	3.79811	3.38369	4.9083	2.67969	5.73534	6.19148	4.23358	3.47656	4.0196	4.51148	5.38375	3.82972	5.66719	3.28662
CWC15	8.63378	8.97416	9.08426	9.52199	9.90783	9.08964	8.76808	9.79051	8.87472	9.1358	9.01134	8.77182	9.22973	9.68026	8.98405	9.04668
CWC22	7.75653	7.71742	7.86466	8.15909	7.80998	8.08396	7.66116	8.10791	8.04043	7.67654	7.35822	7.27186	7.99471	7.46593	7.33374	8.29176
CWC25	7.26915	7.16382	7.70787	7.13071	7.78475	7.48402	7.94787	7.62114	7.67787	6.91249	7.78272	7.66097	7.22669	7.33012	7.28713	7.38424
CWC27	6.82376	7.00599	7.08078	7.34542	7.32444	7.29262	7.73968	6.92174	7.32554	6.82203	7.02742	6.74939	7.16758	6.93089	7.26814	6.44212
CWF19L1	3.0766	3.98146	3.58364	3.37907	2.98295	4.69036	3.48226	4.03368	3.52979	2.03262	4.67509	3.34536	5.25231	3.82659	4.37724	3.88359
CWF19L2	5.92473	6.15904	6.17461	6.53093	5.72712	5.94405	6.2118	6.30873	6.19919	5.21059	5.73768	5.66638	5.37607	4.99704	5.96658	5.59579
CWH43	5.34463	4.2998	2.84641	5.06128	2.57765	4.04908	3.38113	3.76379	3.08134	4.05033	4.94638	2.74555	2.67382	3.02462	3.52398	3.00894
CX3CL1	7.94485	6.02272	6.93472	6.92174	5.72697	8.78881	6.28889	5.73188	6.83608	7.76876	8.17578	7.92769	6.51189	8.01042	5.93531	6.44232
CX3CR1	3.83791	5.67071	5.38217	7.18371	5.09328	7.41593	5.25407	5.79986	4.75563	5.94721	5.23593	6.34639	5.86875	4.29343	6.13469	5.77343
CXADR	6.98197	6.75886	7.15193	7.3146	7.82446	7.62466	7.57258	6.58787	7.26312	7.31799	6.62658	7.18152	8.00769	7.41632	7.91273	7.37234
CXCL1	9.93446	10.0365	9.88728	10.3833	7.9954	8.8123	7.5009	8.62766	8.81092	8.19479	9.60844	8.54009	8.15234	7.68663	9.60191	7.52624
CXCL10	7.49844	7.608	9.99505	8.32674	11.4424	10.7017	10.1516	11.7283	10.0604	7.58391	12.6989	10.6075	12.5323	10.9225	11.2633	11.4272
CXCL11	3.05435	5.51033	8.37645	3.80054	7.84964	6.92098	6.27917	8.57221	7.36877	1.25802	11.1225	5.89788	9.63071	7.7737	6.82297	8.59699
CXCL12	7.44743	7.63101	8.47465	8.96961	7.21191	8.44632	7.13935	8.38746	7.30569	9.01865	7.50132	8.55255	6.67459	7.56828	8.08617	7.60105
CXCL13	10.2195	11.3656	12.2597	10.6854	9.56952	9.13234	8.02082	9.52795	9.58421	6.60899	10.3113	10.5619	9.76707	7.90074	10.7421	11.6343
CXCL14	7.3118	8.67666	7.26549	7.56307	4.61929	7.77079	7.84024	5.13097	7.85319	8.03572	6.36658	7.14295	10.2341	4.017	5.41358	7.88778
CXCL16	7.85449	7.92893	7.8854	8.2233	7.46304	7.97557	7.92001	8.40816	8.91327	7.93784	8.78995	6.76316	8.22402	8.10571	7.83883	7.54594
CXCL17	9.26427	8.34814	7.73081	8.48395	7.10816	4.41713	6.96702	7.90401	7.52638	10.1581	6.97222	6.47821	3.8683	4.63315	6.10334	4.55047
CXCL2	4.95287	3.98194	4.14815	3.80377	4.00732	4.13181	4.07101	3.94431	4.2359	4.28848	4.87334	4.83492	4.18699	4.39778	4.76965	3.38957
CXCL3	7.76031	8.30323	7.98981	8.01042	8.3527	8.15253	8.33246	8.35018	7.31041	7.629	8.23714	8.82099	8.75563	8.29176	9.55947	8.04588
CXCL5	3.83303	5.96948	4.52512	3.70332	4.5951	3.70305	4.93366	4.22367	4.41311	4.017	5.26452	3.65314	3.26061	5.10935	3.55491	5.73636
CXCL6	8.42321	9.59003	8.74527	8.93303	7.92703	6.54926	7.38746	6.86932	7.38396	6.14874	8.71787	6.64866	6.09911	7.33244	10.6769	6.99169
CXCL8	6.92582	7.08411	6.06845	6.52805	6.52676	5.09541	6.30391	5.71853	5.22914	4.80389	6.86277	5.56929	7.41593	6.12673	7.19454	6.0218
CXCL9	7.08796	10.0131	11.3436	9.09316	11.6219	11.6143	8.98107	11.9698	11.7002	7.44302	12.6625	10.9732	11.8738	9.62162	10.7996	11.4758
CXCR1	5.0773	5.89886	4.40279	6.07026	6.09052	6.55076	5.95444	6.95233	5.47507	4.73279	4.78229	6.10669	6.20535	5.86754	5.25098	7.23363
CXCR2	5.66365	4.94092	7.03443	6.26213	5.85003	5.56226	5.35566	6.0882	5.40688	5.2535	6.43759	5.59287	4.25636	6.01413	5.96437	5.33762
CXCR3	3.97184	4.01912	4.542	4.3041	4.81256	5.62113	4.13266	4.40237	4.93968	4.1913	4.86772	4.73171	5.86	4.12652	4.08601	4.24079
CXCR4	8.1697	8.95622	8.89011	8.64803	9.29297	9.25598	7.58402	8.69522	9.11184	8.12286	8.05165	9.02566	9.04007	7.75334	9.09316	8.58199
CXCR5	4.75137	5.91547	4.81274	5.22324	5.18249	4.88176	4.09906	4.93851	4.81824	3.28	4.11067	5.39798	2.93839	3.06691	4.5951	4.7761

CXCR6	6.31537	6.44872	6.82532	5.81194	6.56664	5.80853	5.91251	7.14362	7.40347	5.04974	6.91191	6.1691	5.93594	5.58714	5.74052	6.51208
CXXC1	8.03371	7.86466	8.00923	7.40581	8.08808	7.85064	7.85571	7.99684	7.99147	7.64701	7.90401	8.9396	7.94787	8.60896	8.00978	7.24216
CXXC1P	1.79935	3.28675	1.88755	2.98748	2.79083	4.77116	5.28371	4.68363	1.92414	3.11051	4.65128	1.3666	4.8922	0.8165	3.46534	2.82844
CXXC4	6.49041	6.81244	6.07116	6.20437	5.8358	6.06074	5.67778	5.66845	6.46531	7.04973	5.20976	6.18966	6.2673	6.96135	6.57921	5.59946
CXXC5	8.99622	9.06178	8.8333	9.15368	6.41911	7.6183	9.10357	7.61481	8.09739	9.3733	7.72798	8.65818	8.75835	8.0016	7.60335	7.5514
CXorf21	6.71414	7.49393	8.068	6.81306	6.86866	7.58099	7.63984	7.56512	7.60269	7.68995	6.63268	7.33828	7.44642	7.45217	7.22892	7.02103
CXorf22	6.72462	6.32268	4.63576	6.11348	5.43993	4.23809	4.98886	5.96298	5.18228	4.79873	5.17761	4.47148	5.35907	4.51021	5.2229	5.67081
CXorf23	6.25719	6.56207	6.29905	6.64424	7.38822	6.24733	6.51384	5.91876	5.67314	6.29245	6.65877	5.62501	6.85136	6.38946	6.51521	6.30041
CXorf24	6.52602	6.43539	6.6127	6.74577	6.44565	6.3073	6.57265	5.93974	6.30901	6.89861	6.2013	6.27509	6.68032	6.17468	6.78548	6.72553
CXorf30	7.29718	4.43918	3.28947	3.49407	3.24511	2.63321	5.493	3.06557	3.5256	3.91319	2.98436	4.54726	3.34323	3.68528	3.35152	3.39583
CXorf31	2.40819	2.91316	3.27793	2.22193	2.65839	2.42212	2.47678	2.58708	2.73661	2.50603	2.43603	2.95936	2.34547	2.77311	2.54889	2.81134
CXorf36	4.22943	4.07882	4.20714	4.47514	4.16338	4.03976	3.71242	4.88092	4.43077	3.86359	4.87951	5.18643	4.88429	4.18392	4.60294	4.22367
CXorf38	6.44456	7.00878	6.86317	7.1961	7.32647	5.46335	7.20098	6.62601	6.14992	4.13803	7.97364	7.02137	7.85319	7.13623	7.08169	6.77933
CXorf40A	8.51627	8.6757	9.22423	8.88814	8.16028	8.70076	8.65357	8.6681	8.38568	8.84269	8.69732	8.33456	8.86638	8.86357	8.2105	8.65235
CXorf40B	8.41962	8.50543	9.04157	8.70344	8.06385	8.66567	8.58161	8.86638	8.36678	8.50501	8.39352	8.22214	8.9396	8.92227	8.13794	8.39139
CXorf56	5.74852	5.49824	5.31417	5.34179	5.42929	5.66911	6.35633	6.39685	6.04567	5.99514	6.49724	5.06452	6.45718	5.38226	5.77843	5.10335
CXorf57	5.42899	5.28056	5.67943	5.62092	5.08271	4.97435	4.25647	3.78397	2.98628	3.72504	5.99171	5.51248	4.02634	4.14967	4.35606	3.79618
CXorf58	6.37861	5.95042	5.80143	6.27917	5.72448	5.64395	6.15008	6.2512	5.14845	6.5877	5.77873	4.86421	4.2307	5.08737	6.09995	5.50582
CXorf65	5.38177	6.02361	6.16152	6.2807	6.71173	6.15606	6.26604	6.80725	5.86424	5.541	6.03131	6.58244	5.35907	5.68695	5.91675	4.82631
CXorf67	3.77751	4.08875	5.07215	5.05978	4.04328	4.5181	4.39009	4.36705	4.18653	4.89182	5.13338	3.14285	3.85528	4.07659	3.50176	4.10052
CYAT1	4.20074	3.52573	7.22908	6.70066	2.68714	3.45096	3.50564	5.3634	4.47552	4.09007	2.58746	6.66575	3.34323	3.57546	4.24348	4.49326
CYB561	8.07874	7.25051	7.24537	7.5193	6.92808	6.35493	7.02068	6.7883	6.9609	8.13666	6.33653	7.32741	7.22425	7.22466	6.8481	6.47187
CYB561A	10.4883	10.5826	9.5671	10.2825	9.78173	10.0604	9.94645	10.5124	10.7755	9.14235	9.31073	10.8206	9.46371	9.86852	9.50195	9.69974
CYB561D	7.4627	6.89099	6.11483	6.62241	7.08864	7.23499	8.049	3.61778	7.44413	7.3866	7.28524	7.26026	6.91554	6.88467	6.03345	4.44222
CYB561D	6.81566	6.90589	6.74045	7.14896	6.30176	6.2573	5.79337	6.55362	6.59083	7.03173	5.72735	6.99046	6.64525	6.50148	5.59022	4.77355
CYB5A	9.24769	9.21483	8.36759	9.19156	8.06529	8.38568	7.82698	8.59366	8.12977	8.63631	8.38943	8.94892	9.7224	9.34899	8.84184	8.86357
CYB5B	5.89502	6.70223	5.90663	6.18773	6.09697	5.61894	5.72103	5.71886	6.02552	6.10715	6.90197	5.66107	6.3643	6.00971	5.96035	5.98083
CYB5D1	8.64334	7.38512	6.14728	7.55817	7.52444	6.98832	5.30569	6.88611	6.19518	7.23877	5.91087	6.7294	6.815	6.96042	7.59211	6.33814
CYB5D2	7.095	7.13721	6.14165	6.23022	6.98813	6.4042	3.32901	6.19148	6.12635	6.99677	5.51451	6.80461	6.67065	6.63574	6.03567	5.66473
CYB5R1	7.04754	6.05626	6.62914	6.13342	6.87531	6.64131	6.33563	8.03524	7.07623	7.28212	6.84907	7.16382	7.08123	6.93323	7.28361	6.88587
CYB5R2	8.15714	7.90683	7.68956	7.36696	7.45626	7.06893	8.54652	6.98885	6.74695	8.99622	7.45408	6.5302	6.44179	8.16518	7.47244	8.39139
CYB5R3	8.31293	8.67002	8.47614	8.5194	8.19323	9.10516	8.56923	8.73887	8.69245	8.90826	8.69038	8.97179	8.94645	8.85744	8.54398	8.19658
CYB5R4	5.83063	5.82822	5.71442	6.0385	6.86669	6.07982	6.89851	5.5705	6.05447	5.52053	5.51228	3.31872	4.85515	5.56754	6.86964	6.46097
CYB5RL	3.7913	3.46822	3.86806	3.89887	3.73393	3.70541	4.17266	3.6843	3.86022	3.30338	3.36359	3.64889	3.45352	4.12592	4.49127	4.40173
CYBA	8.11781	8.06888	8.75563	7.93216	4.78274	6.97717	4.92384	5.12085	4.91553	7.55999	7.75805	8.66768	8.15863	7.61288	5.29298	5.89265

CYBB	5.41438	5.93989	6.21237	5.76136	5.79014	5.95392	5.25736	5.65565	6.56339	5.63022	6.76142	5.70866	5.66911	5.6242	5.42284	5.30133
CYBRD1	6.25548	7.11301	7.90401	5.55384	6.36476	7.30308	5.23042	5.52649	6.11204	7.82021	6.58441	4.78378	5.1722	5.24782	7.00026	5.34717
CYC1	8.06417	8.99254	8.0406	8.54726	8.31848	8.27879	8.89896	5.97235	8.42344	8.45101	9.43871	9.60844	9.72915	10.5345	8.32612	9.38907
CYCS	7.56028	7.70306	8.15045	7.46659	7.81085	7.82907	8.65511	6.55613	7.64142	7.94524	7.77224	7.60702	7.31362	7.01562	7.72291	8.21095
CYFIP1	10.7876	10.7467	10.5154	10.0722	10.7105	10.4632	10.7467	10.7996	10.7596	11.1818	10.8973	10.3045	10.7308	10.1917	10.9503	10.8383
CYFIP2	6.48861	7.50104	6.5777	7.46593	7.41593	6.95897	6.93556	6.66929	7.72596	6.20119	6.88541	6.75154	5.79509	5.98219	7.60636	7.11782
CYGB	6.2245	6.64693	5.90458	5.1312	6.1383	6.36329	5.96714	6.73391	6.16524	6.40072	6.50922	7.20502	6.85041	5.91563	6.6608	5.64557
CYHR1	6.91402	7.12352	6.93394	6.81521	6.70089	6.5801	6.47933	6.17068	6.43493	7.06488	6.05559	6.81108	7.03856	7.18175	6.17676	6.58244
CYLC1	4.65943	4.99358	5.51869	4.85621	5.82316	5.06778	6.16082	5.30419	4.9891	5.21609	5.13607	5.42798	6.44327	5.93318	5.62589	5.54011
CYLC2	4.09491	3.16637	2.59102	2.97356	2.29738	3.20546	1.68451	4.30714	2.5663	3.21812	3.29289	3.21231	3.12086	2.01506	3.20278	3.24808
CYLD	6.39462	6.54319	7.06319	6.87156	6.14149	6.60229	6.07023	5.54182	6.83501	5.42686	6.10275	7.08593	5.7065	5.76467	6.68544	6.46075
CYMP	6.25521	5.30145	6.22609	5.50934	4.85449	3.8659	6.07197	6.62481	5.6875	3.75611	6.01691	6.32781	5.96738	4.65312	6.14467	6.38623
CYP11A1	4.3226	4.52696	4.67099	4.97034	3.70286	3.76182	4.15069	3.61778	4.78164	5.99457	5.31347	4.30571	1.18021	3.62944	5.01627	1.32709
CYP11B1	4.73921	4.62974	5.30906	4.63727	3.70822	4.52188	3.8954	5.14895	5.35845	3.81063	3.47039	4.61181	3.91319	4.79823	4.36302	3.29289
CYP11B2	2.04089	2.01809	1.97795	1.73098	2.0729	1.95254	2.98815	1.91261	1.98342	2.12186	1.91586	1.67664	1.93701	2.13594	1.70284	2.07548
CYP17A1	4.43512	3.46884	3.23826	4.76219	4.382	2.32579	3.26593	3.74466	3.43394	3.51927	4.75855	3.24275	3.20725	2.68743	3.61388	3.39031
CYP19A1	3.07555	3.44604	4.45943	3.98449	3.6244	3.52848	4.35384	3.52587	3.43024	4.09346	3.24973	3.57604	3.31095	2.83415	2.97036	4.06531
CYP1A1	2.55807	4.11531	3.12132	3.96234	3.39606	3.93664	2.98815	3.67908	3.5404	4.51316	3.49378	4.05356	3.23246	3.82047	3.40607	4.60548
CYP1A2	5.75636	5.55288	5.04171	5.97729	5.18334	6.15519	5.0545	5.97509	6.03871	5.84069	4.68499	5.56135	5.50142	5.61993	5.40376	6.37168
CYP1B1	6.69377	7.48235	7.38342	7.90554	6.48089	7.54029	6.75806	7.53935	6.98629	6.08574	7.39688	6.86253	7.33587	5.92763	6.2519	7.53221
CYP1B1-	3.8927	4.8564	4.87023	4.36536	4.6779	4.80793	4.74319	5.22179	4.39393	4.79653	3.59313	3.98702	4.6265	4.25853	4.67416	4.49127
CYP20A1	6.67366	6.6178	6.68677	5.87754	6.82532	6.78574	6.41596	6.72473	6.60078	6.69812	7.20233	5.69581	7.34125	6.58294	6.8277	6.78871
CYP24A1	7.76594	7.21508	7.33012	7.26549	6.09857	5.1154	7.85734	5.24814	6.01437	6.88467	8.55331	5.13806	5.08852	9.0336	7.1553	5.33214
CYP26A1	7.25283	4.51165	4.33776	4.67707	8.83956	4.36427	5.16804	1.3689	2.81157	3.60777	2.91487	4.03926	6.56865	5.62497	4.00119	4.04867
CYP26B1	4.97599	4.56534	5.22546	5.86123	5.66911	6.09034	5.1064	4.09547	4.83857	5.9893	5.40792	4.9146	5.56354	5.28736	4.87023	3.46026
CYP27A1	7.9442	8.74609	8.21192	7.86265	7.87596	8.33155	8.95046	9.01455	9.16853	7.79159	7.59541	8.60157	8.58224	8.68099	8.23823	7.88564
CYP27B1	6.66184	6.14304	6.34341	5.53338	6.68972	5.88087	6.90596	7.4145	8.6025	6.34438	7.74898	6.80944	8.39497	6.91842	6.37421	7.55351
CYP27C1	6.52805	6.89922	6.95049	5.74598	8.21836	6.70023	8.71747	8.4383	6.1047	6.30722	6.70784	6.97213	8.01124	6.36872	7.44372	8.31053
CYP2A13	3.86261	2.59102	2.21086	3.61465	2.55772	2.86136	4.17685	4.48907	2.83517	3.50939	3.09709	5.33379	2.34547	3.0362	3.41773	3.03549
CYP2A6	6.9731	6.13102	5.75916	6.43268	5.36506	5.1836	5.28169	5.6018	5.33026	5.29383	5.54198	5.31988	5.05229	5.23355	5.45373	5.10138
CYP2A7	6.31876	5.99556	5.9206	4.87633	3.83175	6.24355	5.75525	6.27958	6.33445	6.01673	5.00328	6.60566	4.37787	5.86754	5.56103	6.12177
CYP2A7P	4.25526	4.15353	4.09222	4.42688	3.96304	3.32744	3.8419	3.78328	3.81298	3.76228	3.52747	3.52421	4.74183	4.42448	3.69095	4.22389
CYP2B6	7.07263	6.79393	6.41627	6.82125	6.3109	6.68416	6.74902	6.74157	6.63674	6.42054	5.96988	6.17762	7.05162	6.53649	6.2013	6.33362
CYP2B7P	8.50078	7.41939	7.66664	7.46892	6.34126	6.47506	5.87276	5.80143	4.23358	7.12462	6.14693	6.72174	6.44179	6.54092	6.24733	5.37957
CYP2C18	7.02558	6.32792	5.05022	5.36859	6.10275	2.94176	7.81725	7.12866	6.3948	4.93129	5.67434	3.899	4.10686	7.06488	6.8731	5.70084

CYP2C19	5.56456	5.47492	3.20427	4.58588	4.86049	4.87602	6.04212	5.07511	3.78033	4.57223	5.39144	4.25098	5.39578	6.09697	4.92663	5.55298
CYP2C8	5.08	5.2742	4.96515	5.72034	5.67953	5.0289	4.78093	4.53186	5.03019	5.14689	4.87894	4.28461	4.89773	4.4838	4.09041	5.27065
CYP2C9	6.28743	5.88266	5.50898	5.90223	5.46462	5.61979	6.36178	6.05942	5.01347	5.80853	5.68816	5.66433	6.08337	5.93594	5.87819	5.6699
CYP2D6	5.62838	6.27672	5.58714	5.35382	5.93344	5.61304	6.13912	6.14652	5.09772	5.70032	6.05942	6.23883	6.48629	5.86108	5.3962	6.24364
CYP2E1	5.80824	6.88974	5.94445	6.31417	5.57693	6.01092	6.4564	6.41115	5.71805	5.32288	5.08944	5.62395	5.20976	6.09815	5.10681	5.1713
CYP2F1	6.8179	5.80439	3.97828	6.31316	3.73118	2.60961	1.32308	5.1344	5.13985	4.37418	2.21379	3.99007	2.2085	4.8002	1.44837	2.31622
CYP2J2	7.93959	6.64896	5.77027	5.38794	6.67044	6.63624	7.36484	5.59748	6.77653	7.91786	6.29809	5.81694	6.58326	6.4813	5.13431	5.33214
CYP2R1	5.43557	5.90848	5.80427	5.28812	5.84879	5.67908	5.3528	5.51616	5.16259	5.37722	6.21767	5.32945	5.75308	4.82516	4.92151	5.30045
CYP2S1	5.06203	3.84364	2.70549	5.05078	3.29261	2.58692	2.31492	4.51886	2.97568	3.46275	2.18694	4.10127	3.64142	5.13618	2.43868	3.62725
CYP2U1	4.97034	5.27381	5.55192	5.50474	4.59228	5.2591	5.21149	5.17978	4.96263	5.67296	4.86016	5.01962	4.66774	5.09551	4.94486	5.20492
CYP2W1	7.35585	7.61999	7.81099	7.50708	6.94208	6.96469	7.32949	7.14746	6.46855	7.59995	6.80256	6.89365	7.17188	6.34532	7.2634	7.52624
CYP39A1	5.84362	4.75769	4.89951	6.01341	4.79449	4.1368	4.87172	4.20503	3.77058	5.89817	4.62869	4.7932	4.96879	4.83468	4.53734	4.64969
CYP3A4	5.37964	4.54652	4.46146	4.35606	4.44022	4.60781	4.63277	4.96585	4.56723	3.9653	4.80725	5.30268	4.32665	4.48984	5.22091	4.67628
CYP3A43	4.82254	3.8488	4.55308	4.14977	5.59	5.12193	5.28812	5.44301	5.48925	4.16747	4.71007	4.65356	5.24471	5.65805	4.50716	4.88779
CYP3A5	5.61979	4.7199	5.26879	4.91924	5.41267	5.13901	6.8096	6.22105	4.49693	6.00057	5.52467	4.21149	4.86538	6.19092	6.12427	4.73969
CYP3A7-	5.14458	4.23261	3.56906	4.40668	3.76997	4.64929	4.11808	6.24061	3.35168	5.73855	5.57884	3.96659	3.53101	6.48746	3.90511	5.12161
CYP46A1	5.82023	5.54169	5.39533	5.37588	3.03309	4.22923	5.29633	5.0677	4.52735	4.29458	5.0536	5.78895	5.16629	5.16562	6.13977	5.26796
CYP4A11	5.79101	5.78176	6.02407	6.46116	5.10549	5.59856	5.73398	6.42316	5.0199	5.80509	5.8773	6.13152	5.49803	5.96559	6.10066	5.87645
CYP4B1	10.2496	8.67987	6.81119	8.91549	6.89021	6.16838	8.28309	8.26535	7.11556	6.13654	5.97716	6.95968	7.15273	8.57592	5.94405	6.56458
CYP4F11	5.52355	4.74319	4.37426	2.85497	2.29738	4.66192	2.56625	3.45352	3.71298	5.69927	3.30436	3.3733	2.75699	3.27909	2.95994	2.81134
CYP4F12	10.4209	9.80678	8.42204	8.87752	9.82289	7.99167	10.7876	9.06609	8.84953	8.25718	7.75602	8.28626	7.50856	9.63286	7.1664	9.03764
CYP4F2	6.82592	6.92327	7.11639	6.82339	6.5997	7.28385	5.94871	5.02925	6.30604	7.268	4.68317	4.82307	4.80971	6.98862	7.05147	6.3343
CYP4F22	3.44273	2.53824	3.48538	2.67969	3.42572	3.57327	3.25433	3.02948	3.63964	3.63896	2.66551	2.84585	3.47767	4.25308	3.57849	3.41778
CYP4F3	7.89256	6.48735	6.13885	6.63175	8.60291	5.26854	8.54803	2.23712	6.71451	4.75195	6.25249	2.84585	1.11444	7.11898	7.30694	5.89174
CYP4F30	2.96659	3.81549	1.07116	1.55195	2.0729	2.99117	2.31492	2.64349	0.89896	1.0625	2.18694	3.65608	1.01457	1.5436	2.56931	1.51008
CYP4F62	3.02599	2.91316	2.95766	3.10053	2.97095	3.11933	3.49217	3.27157	5.12838	3.20323	3.12278	3.46371	4.08241	3.01384	3.17223	3.10689
CYP4F8	5.68623	5.71334	5.30746	5.78951	7.17836	5.56226	6.1846	6.35585	4.44708	6.0512	6.09555	3.52665	4.60192	5.42385	6.22635	6.22861
CYP4V2	5.85047	5.71282	5.48379	5.4597	5.71731	4.83543	5.26807	5.117	5.71939	5.64894	5.14689	4.99102	5.73881	5.45233	5.41438	5.47252
CYP4X1	9.60364	9.81993	8.94789	9.18179	6.92499	8.03214	9.57255	8.96485	7.79551	9.75827	7.08815	5.76162	8.90041	8.81989	9.65256	10.1277
CYP4Z1	4.61877	5.26171	2.52296	2.03633	7.00902	1.85868	7.39133	5.50962	2.07939	2.12186	1.48752	3.12959	7.17305	5.43328	6.25289	6.86113
CYP4Z2P	3.16429	2.94714	3.43133	1.26539	2.02496	2.69944	5.44563	3.41422	2.22165	3.07203	2.91487	3.0573	4.18518	3.01384	3.00483	1.80953
CYP51A1	2.23882	2.01809	2.40841	1.33008	2.2597	2.81599	4.28532	1.79233	2.43603	2.50603	1.79233	1.2545	2.73615	1.4403	2.45708	2.26153
CYP7A1	3.4567	4.11531	4.50625	4.77837	4.61145	3.44117	4.32228	4.13045	1.18021	3.94629	1.74872	3.15604	4.14977	3.73088	2.54889	2.22886
CYP7B1	4.87494	4.95465	5.99339	4.97617	5.38252	5.6174	6.03446	6.35125	6.09683	6.22203	5.58568	5.85386	5.45118	5.75672	5.23625	5.7127
CYP8B1	6.27322	6.18762	6.78897	5.40961	6.16239	5.50567	6.16959	6.4299	6.56249	7.16225	5.98336	6.41137	6.86424	5.59748	6.00927	6.12053

CYR61	8.58199	5.46099	8.10571	5.99873	6.79214	6.98274	5.41589	6.59531	8.57292	9.04381	9.06823	8.52577	6.57	7.17933	7.26733	6.90032
CYS1	4.57516	5.3348	5.09112	5.61979	4.68071	5.23948	3.52327	3.60236	2.18568	2.85867	2.93839	4.91392	4.10293	3.68528	5.53021	3.9365
CYSLTR	5.78351	5.19927	6.36767	6.41831	5.73768	6.01209	5.59669	6.77043	5.8792	5.31846	5.40872	5.69362	5.32787	3.58474	6.30311	5.38484
CYSLTR	3.66681	5.12855	3.85578	4.87023	4.68584	5.01785	5.85495	4.16157	5.30913	4.30135	5.75276	5.89092	6.35231	5.12155	5.64923	5.117
CYSRT1	6.78913	6.774	5.36067	6.7396	5.90386	6.32848	6.23891	6.6295	5.9151	5.83715	8.33735	6.71732	6.51043	5.59748	6.00927	6.27907
CYSTM1	10.4176	9.52648	9.10357	10.0897	7.90443	9.06963	8.46549	9.6978	8.49332	8.21006	9.07607	8.80453	8.61815	9.38206	7.4571	9.26078
CYTH1	6.951	7.22511	7.02275	6.37377	6.47024	7.03173	6.42113	6.22344	6.54403	6.6849	6.64239	7.28595	6.25491	6.72765	6.55245	6.42817
CYTH2	6.1524	6.68722	6.5503	6.19907	7.36877	6.50855	5.62113	6.10324	6.80069	5.99268	6.54841	7.20856	6.27249	7.04754	7.12799	6.06384
CYTH3	3.92173	4.24792	5.35106	5.10469	4.48935	5.17875	4.49249	4.56123	4.41044	4.9039	5.37013	5.19241	4.50668	4.99461	4.70851	4.95192
CYTH4	5.39491	5.17658	5.9407	4.45943	5.08801	5.21864	5.1023	5.07813	6.0088	5.44072	5.89386	5.90772	5.19731	4.71174	5.28666	5.20073
CYTIP	7.89942	9.89146	9.9547	10.0868	9.81753	9.32203	8.47306	10.5345	9.97015	7.95572	10.552	10.3113	9.68446	7.66065	9.75247	9.52486
CYTL1	3.84315	2.59102	3.63509	4.94944	3.48434	5.19496	3.55696	5.75271	2.92006	4.9891	5.30561	6.19642	4.2792	3.51712	4.96683	4.56255
CYYR1	7.0893	6.95399	7.91508	7.29117	6.39896	7.12575	6.26266	6.92598	6.395	7.38087	6.94509	7.05524	7.42868	6.22536	7.13227	6.52323
D21S208	4.08804	4.01206	4.49537	3.76722	4.11962	5.15888	4.53734	4.96357	4.18221	5.26322	3.79013	5.10428	4.06126	4.1925	4.71779	4.99415
D21S209	5.99039	4.54463	6.25827	5.29627	4.64244	5.17834	5.63956	5.99145	4.40538	5.67091	5.58837	5.7063	4.52811	5.41453	5.4513	5.60592
D2HGDH	9.28935	8.30473	8.34289	7.98708	8.16461	8.93303	7.78755	7.976	8.11291	8.47825	7.92379	9.31073	7.91926	8.25203	7.81409	8.46536
DAAM1	6.93556	6.20531	6.8266	6.6178	7.04754	7.18251	6.95795	6.79818	6.96272	7.05445	5.93772	6.53371	6.33967	6.68871	6.46154	7.22146
DAAM2	6.31417	6.8519	6.56087	6.72888	6.34485	6.36148	6.73533	6.65275	6.04212	6.9069	6.9139	6.81431	5.72983	6.72743	6.90468	6.25628
DAB1	4.31266	5.08327	4.12015	4.2174	4.56898	4.69482	4.73504	5.46214	4.76854	4.32396	5.26485	5.23078	4.66168	3.88402	4.38855	5.70157
DAB1-AS	3.26635	5.26171	3.38079	4.82178	5.21582	4.56285	3.32901	4.03022	3.2065	5.14584	3.29289	3.08704	5.78301	4.19488	4.26797	3.45478
DAB2	3.90594	2.8813	4.16313	2.22193	3.42572	3.41719	2.56625	4.63015	5.3524	4.31215	4.42232	4.10853	5.6564	3.0362	4.19913	5.19241
DAB2IP	6.11865	6.12184	6.58169	6.36616	6.36294	6.32223	5.86541	6.28689	5.77721	6.44275	6.3204	6.16356	6.01426	6.50119	5.57813	5.89763
DACH1	5.04615	3.61563	5.09234	4.99511	3.97999	4.76901	4.65199	3.20546	4.81256	4.72556	3.98424	3.88359	4.10591	3.805	3.28773	3.00732
DACH2	4.54741	5.2229	4.64127	5.24358	5.51128	5.64899	4.52964	3.31083	4.48532	6.37105	4.49355	4.33523	4.39532	4.19488	4.13035	5.42382
DACT1	4.14888	1.27177	4.65435	2.83422	5.85869	5.16063	2.67152	2.91144	4.97	5.99161	4.78714	3.72982	3.57524	5.06524	5.79997	2.9809
DACT2	7.12006	6.86192	7.13384	5.42404	3.94739	6.26966	6.24733	5.70528	5.56217	6.67897	5.05683	6.3708	7.22388	6.30722	5.77322	5.52883
DACT3	6.70305	6.33933	6.5358	6.34327	6.30808	6.60577	5.77971	6.43871	5.83271	6.68004	6.06363	6.64159	4.96847	6.3681	6.25108	6.41345
DACT3-A	5.33688	4.48472	6.18719	6.0617	5.24068	5.81617	6.16248	6.8336	6.49724	4.68824	5.03656	6.39845	6.09492	6.63146	5.98852	4.00732
DAD1	11.3913	11.3913	11.3587	11.5015	11.1559	11.3517	9.91339	10.3399	10.7178	11.3999	11.2822	11.712	11.602	10.6253	10.8297	11.0417
DAG1	8.07098	7.98889	7.68874	7.73397	7.65455	7.69946	7.64325	8.05665	7.72891	8.30791	7.33205	7.29437	7.36816	7.9765	7.62599	7.61598
DAGLA	4.87494	4.8244	6.42187	4.71279	4.74792	6.42092	5.08709	5.41625	5.9151	5.00386	4.58359	6.36903	6.80863	5.17875	4.95436	5.60896
DAGLB	4.54368	3.98737	4.49326	3.15207	4.33558	4.47486	3.9922	3.67528	4.29049	4.27343	4.79449	4.31674	4.59471	4.34748	4.11908	5.04313
DAK	5.15599	3.97409	5.67978	3.95084	4.53976	4.45842	5.29383	4.02718	4.22194	5.41755	5.50277	6.63039	4.14195	5.93103	5.49284	4.18267
DALRD3	8.21596	7.86294	6.0437	7.4156	7.10181	6.28945	6.80863	7.12112	7.1569	7.18309	7.10298	7.35212	7.03686	7.0893	6.26266	7.59726
DANCR	9.4206	9.59327	9.65609	9.73529	8.29921	9.47984	9.22652	8.91007	8.86529	9.46666	8.21006	9.41373	9.4469	9.33233	8.60332	8.96335

DAND5	4.87494	3.92591	5.31649	4.26515	4.95776	4.55142	5.19716	5.04171	5.58003	5.30419	5.43775	5.9965	4.19674	4.33558	4.60609	4.85101
DAO	4.91054	4.83898	5.07497	4.82178	5.70072	5.90903	5.44093	4.92065	4.89423	4.90621	5.06968	5.85157	4.5431	5.96754	4.05558	6.01704
DAOA	4.38776	4.33657	3.78217	3.29136	4.54258	3.50233	3.56647	5.19867	5.32537	4.23787	3.82473	4.28984	4.05064	5.08461	3.46973	5.2994
DAOA-A	1.50761	-0.7797	4.43529	3.73033	3.84331	0.74252	3.97251	2.10233	2.03262	1.63837	4.07634	4.17474	4.77152	1.59381	3.68625	3.32854
DAP	8.10729	8.19479	7.95719	7.77471	8.17633	7.30365	6.80078	4.69169	6.5702	9.40267	7.15791	6.81741	7.62934	8.80719	7.99046	6.97276
DAP3	8.01367	7.26586	7.98438	8.05323	7.4767	8.37808	8.55896	8.37894	8.02589	7.74423	7.85915	8.10844	7.46733	8.29715	8.02733	7.28713
DAPK1	4.35456	4.93158	5.10247	4.62999	5.13421	4.8471	4.48532	5.04714	5.36602	5.13823	5.11285	4.61091	5.29174	4.23866	4.54221	5.41719
DAPK2	6.76973	6.43689	6.38308	6.24176	6.34906	6.75356	6.24793	7.31362	6.40488	6.73214	6.46954	6.8179	6.0966	6.29754	5.2156	7.61809
DAPK3	0.82494	0.12919	0.53357	-0.5013	0.59539	0.89896	-0.6813	0.64273	-0.238	-0.0459	0.62135	0.32707	0.07153	0.62135	0.11027	0.55613
DAPL1	7.25652	6.91379	6.61041	6.25675	9.94182	9.54001	11.3355	8.05165	10.7134	5.30815	5.7102	8.71164	10.46	9.39963	11.2075	9.55522
DAPP1	6.73855	6.62636	6.76518	7.44322	6.86689	6.45045	5.80526	7.23779	7.02115	6.03795	6.87765	6.35649	7.38189	5.57884	7.26141	6.37898
DARS	8.24244	9.02815	8.40588	9.03868	9.17193	8.85906	9.53392	9.55682	8.66033	7.92769	8.36016	7.86967	8.8213	9.61082	10.2227	9.02566
DARS2	5.72184	5.19799	5.36371	5.41994	6.02339	5.09342	6.06726	6.58645	6.2519	4.77152	6.06012	6.43984	6.64633	5.81659	6.46304	6.22394
DAW1	7.95378	6.89281	3.9636	7.67932	5.95916	5.01785	3.40901	4.61194	6.7821	6.12195	4.81992	6.59734	3.00618	5.31833	3.84644	5.27518
DAXX	5.05621	6.1213	4.8611	6.15008	5.38331	5.2071	5.18234	6.10649	6.53336	4.62927	5.71997	5.46406	5.16276	5.4942	5.77633	5.62694
DAZAP1	9.6978	9.75247	9.72612	9.2812	9.45311	9.7543	9.77389	10.0667	9.66572	9.49038	9.7968	9.85557	9.71214	9.74747	9.7947	9.71214
DAZAP2	7.93896	8.07707	7.92217	8.18148	7.96335	7.72953	7.39494	8.35093	7.74711	8.02883	7.88907	8.00126	8.05785	7.56225	7.65874	8.15443
DAZL	5.5803	6.6308	5.48027	6.20531	6.28785	5.02813	5.08709	6.0882	5.8292	6.09515	5.63879	4.33523	5.59525	5.39607	5.55069	6.08039
DBF4	6.66963	7.48831	7.54087	6.95599	8.71927	7.60871	7.47187	7.5578	7.19454	5.96497	8.50939	6.29102	8.0316	7.43844	8.64417	8.67368
DBF4B	3.88198	3.69095	3.50071	3.70541	3.837	3.91572	4.37497	4.09143	3.61408	4.06326	4.41538	3.97356	3.70654	3.70332	3.95084	4.10334
DBH	2.54613	2.75897	4.08223	4.74678	3.26858	3.80815	3.30436	4.0649	3.48813	3.41248	5.16393	5.05918	4.90466	4.47233	3.63078	4.4329
DBH-AS1	5.26165	6.28689	5.71171	4.39175	6.98991	5.72006	6.6686	6.51165	5.75016	6.26737	6.47024	7.92449	6.86424	6.87036	6.75341	6.52183
DBI	10.8912	10.9732	10.2318	11.008	11.374	10.908	11.8738	11.547	11.3656	10.4883	10.8621	9.86381	11.3913	11.3034	11.6449	11.3999
DBIL5P	4.80682	4.08875	7.46409	6.57137	5.91335	6.54069	5.39676	4.53792	6.21486	6.15194	6.28105	6.96726	4.17756	5.57489	6.28422	6.37283
DBIL5P2	4.33259	4.15744	4.29709	4.19971	4.02718	4.37334	3.76501	4.75563	3.98331	4.44111	4.72831	4.19789	4.4107	4.58936	3.89112	4.54565
DBN1	6.15255	6.15282	7.03111	6.14382	6.60354	7.57786	7.15506	5.88508	6.62977	7.22488	5.95163	6.8336	6.55759	7.1301	6.41137	6.99387
DBNDD1	5.45261	4.86383	4.3596	5.3524	5.01197	4.50567	5.52025	5.52231	4.24079	6.60667	4.63606	5.76354	6.10432	6.09264	5.91104	5.76162
DBP	6.1982	5.662	5.85168	5.6866	5.41777	5.61494	5.69143	4.08141	5.9621	5.58285	5.42319	6.28712	5.22214	5.63541	4.02325	5.80706
DBR1	7.15791	7.38024	6.81648	7.44712	7.52561	7.08169	7.5573	7.86869	6.846	6.87129	7.36788	7.53386	7.78582	7.57352	7.62073	8.01515
DBT	5.52221	5.27534	5.61894	5.31417	5.33633	5.40205	5.98281	5.9336	5.03965	5.38331	5.24887	5.12636	5.08	5.67091	5.82812	6.0186
DCAF10	6.7877	6.7918	6.84273	6.75488	7.24445	6.66257	6.30778	6.71031	6.61672	7.23993	6.86841	6.45781	6.67121	6.35993	6.8106	7.32647
DCAF11	7.51854	6.67287	6.33947	6.13485	6.72148	6.2539	6.11232	7.41841	6.35649	6.9363	7.4092	6.66976	7.18198	6.05111	5.87762	7.12946
DCAF12	8.91477	9.30638	8.89592	8.66602	8.95735	8.03074	7.20295	8.65638	8.03444	9.00647	8.91549	9.10108	8.43886	8.53743	8.9238	9.33414
DCAF12I	4.41574	5.62022	4.64127	6.01244	4.75305	3.5373	4.63503	6.22039	5.04912	4.84572	5.80159	5.7079	3.67703	5.13618	5.71218	5.95512
DCAF12I	5.3204	2.53824	2.00164	2.25844	4.06784	2.76484	2.53476	1.83717	2.43603	4.25004	2.70123	2.2269	4.23895	5.00585	2.14289	2.5569

DCAF13	6.37229	6.35436	6.80543	6.46324	6.6025	7.08637	7.23443	6.58303	7.1078	6.20878	7.12429	6.00856	7.49156	7.54722	7.03405	7.37495
DCAF15	4.54431	5.27924	5.19361	4.93457	4.65881	5.10043	4.5892	4.37001	4.19396	5.117	5.31034	6.01189	5.19321	4.81941	4.80682	5.13985
DCAF16	6.09252	5.77833	6.13436	6.70344	6.97341	6.73634	6.72182	7.20013	6.49013	6.81451	5.93937	6.01124	6.40363	6.67737	6.28624	6.86964
DCAF17	3.89385	3.56284	4.87368	4.13154	5.62053	4.75355	2.8257	3.32355	3.44341	3.71242	4.44041	2.85264	4.81317	3.95546	4.20764	4.39519
DCAF4	5.54309	6.17178	6.33083	5.87573	6.96469	6.00628	6.70755	6.95361	6.35633	6.55834	6.78968	6.15065	6.69435	6.69578	5.54233	5.78051
DCAF4L1	2.79297	4.56638	4.13924	5.52496	4.79743	4.44183	5.1034	5.32306	4.78164	3.05259	4.99562	3.33905	2.83935	3.6144	4.60192	2.22886
DCAF4L2	3.465	4.40913	4.27381	4.04773	4.35831	4.12287	4.34346	4.01858	5.1147	4.48532	3.98967	4.40807	4.71689	3.50156	4.33776	4.24792
DCAF5	6.00971	5.97761	5.85251	5.49659	5.81194	5.08387	5.23193	5.70764	5.75808	5.65805	5.80414	5.6242	5.52153	5.18115	5.63065	5.53424
DCAF6	5.52538	5.59831	6.02272	5.16562	6.5515	5.64126	5.75088	5.99359	5.71141	5.99397	5.23625	6.21656	6.24105	5.63513	5.86584	6.22582
DCAF7	6.51053	6.43747	6.73228	6.438	6.09988	6.58884	6.76898	6.55377	6.98107	6.52209	6.7248	6.12207	6.18773	7.01721	6.47704	6.09844
DCAF8	5.95297	5.96464	5.40016	5.67359	5.79852	6.09786	5.7566	6.14674	5.98749	6.03664	5.82956	5.75436	5.42053	5.99641	6.18943	5.74089
DCAKD	6.16508	5.75903	5.63775	5.51639	5.82956	6.52082	6.24655	6.40266	5.51296	6.16356	5.51802	6.15028	6.39113	6.21237	6.35256	5.8829
DCBLD1	6.26213	5.88373	6.39257	4.9251	5.98014	5.5537	6.6512	6.05574	6.30023	6.51508	6.33638	5.60601	6.03781	5.95954	5.95579	6.05028
DCBLD2	5.00175	4.75221	5.20249	4.91646	5.3523	4.94613	5.21128	4.4478	4.23787	4.90838	4.73504	5.02507	4.43347	4.35543	5.5118	4.35356
DCC	3.64473	2.31293	3.41818	3.6881	4.16172	3.02373	3.93432	3.16183	4.1998	2.59102	3.20356	3.59749	2.25006	3.62162	3.32605	2.33387
DCD	3.76841	3.00618	3.1811	3.6993	3.66644	2.81599	2.63794	4.15015	2.79078	3.5256	2.77081	3.65608	3.02655	3.0362	3.662	3.89582
DCDC2	4.7984	2.64524	3.5606	4.78238	3.19767	3.91452	4.28816	3.85851	5.07366	5.14507	3.40952	3.0807	3.98985	3.72292	1.9817	3.8062
DCDC2B	6.90596	4.98989	5.30746	5.72983	3.61465	4.2803	3.68625	5.16539	4.93727	5.23982	3.7868	4.66581	4.32095	3.79618	3.87472	4.46917
DCHS1	4.01411	4.51021	3.42769	4.42101	4.2857	5.21162	4.48144	5.08852	4.2981	6.09844	5.47192	5.07725	3.45239	3.74113	4.76854	3.21196
DCHS2	4.1352	4.19674	4.45971	4.96208	4.97026	5.27021	4.48624	5.65403	3.89634	4.2631	4.34703	4.25565	5.56185	4.5052	4.44653	4.91953
DCK	7.33244	7.90137	7.81954	8.18536	8.26281	7.8664	7.3188	7.83883	7.49498	6.74858	8.15536	6.88783	8.50585	7.64378	8.52989	8.34789
DCLK1	6.4838	5.73636	6.38175	6.54955	6.64067	6.06505	6.54861	5.93403	6.05696	7.14616	5.52883	5.15094	5.45648	5.73146	6.16456	5.36903
DCLK2	4.1422	3.5404	4.97217	4.16994	4.52387	4.00461	3.94431	4.04706	4.21691	4.3961	4.36688	5.25573	3.59987	4.69036	3.93711	5.84019
DCLK3	2.34348	1.7774	2.07548	4.47874	4.21316	2.42212	3.2194	3.49069	3.33041	1.49394	2.85145	0.68341	4.38612	2.34474	1.88334	2.69842
DCLRE1A	6.98066	7.26223	7.45459	6.621	7.09303	7.22364	6.7013	6.21697	7.66135	7.24855	7.05259	6.69068	6.29245	7.41828	7.06794	7.20912
DCLRE1B	6.58543	6.90055	7.05849	6.79971	6.6076	7.00304	7.27807	6.76847	6.91856	6.04417	7.05573	7.49082	6.90032	6.73608	7.22538	6.94256
DCLRE1C	6.1994	6.76094	6.59641	6.4495	6.59885	7.10661	8.11303	7.48608	6.83019	6.28229	6.2573	6.10912	6.46176	6.10097	6.64348	6.88109
DCN	6.33379	6.51	6.93041	7.44574	7.40094	6.39014	6.04735	6.29235	6.46131	7.2218	6.46984	6.46864	6.03795	6.27019	7.07869	6.19634
DCP1A	5.87687	6.29537	6.27509	6.05719	6.28086	6.10912	6.04328	6.34126	6.26959	6.03545	6.53353	6.30648	6.16313	6.03898	6.14652	6.44381
DCP1B	7.57185	8.15735	7.58828	8.00143	7.45494	7.27062	8.23238	7.66537	6.90997	7.20444	7.37148	7.21296	7.19916	7.92821	6.71149	7.13522
DCP2	6.30722	6.67771	6.55232	6.17623	6.50855	6.46461	6.41038	6.31191	7.01061	6.22501	7.29595	6.0044	6.70492	5.96227	5.89295	6.56664
DCPS	6.9788	7.14512	7.7042	7.56081	7.1234	6.64701	5.73173	7.46409	7.1266	7.27062	7.51009	7.58828	7.44838	7.04472	6.79723	7.25098
DCST1	1.84505	2.51658	2.81121	2.52969	1.93871	2.36638	2.20014	1.67907	1.53958	2.07832	1.95222	2.29689	3.93646	3.31071	3.71004	2.45954
DCST2	5.24859	3.62805	4.08953	5.18602	5.8772	4.3237	4.50617	5.35451	5.88688	5.54577	5.43369	5.62225	5.51045	5.63684	5.47117	6.12177
DCSTAM	2.65839	3.04911	2.44429	2.28551	2.53024	2.07394	3.23578	2.88789	5.70661	2.72148	4.42745	2.75185	5.28981	3.16811	3.9523	5.26796

DCT	4.85449	4.57635	4.93921	5.16975	4.02973	4.74183	4.63246	4.68824	5.48108	4.81915	5.04076	4.58852	5.19592	3.85815	4.91768	5.00573
DCTD	7.76072	8.30082	8.19961	7.82655	8.63859	8.40588	7.6187	8.37525	8.01367	8.17252	8.10173	8.95046	8.35018	9.36057	8.27775	8.37861
DCTN1	6.8179	6.7878	7.28966	7.2842	7.29496	7.03288	7.46593	6.03632	7.61077	7.54367	8.0296	6.83636	6.59663	6.1571	7.38264	7.06708
DCTN1-A	5.44106	4.69941	5.1165	5.23955	4.97329	4.98736	4.5939	5.48379	4.32124	4.97382	5.24464	4.4329	4.45382	5.48413	4.10961	4.82631
DCTN2	5.56699	6.09737	5.73768	5.77903	5.16906	5.53539	6.53856	6.03743	5.99579	5.97073	6.07116	5.52374	5.37013	6.43385	5.51686	5.76339
DCTN3	8.86796	9.34899	8.93094	9.63071	8.50035	9.47025	8.57292	9.26758	8.37595	9.11315	9.11734	10.2113	8.96568	9.38055	8.25881	9.055
DCTN4	5.16136	5.96227	5.93381	5.74686	5.45206	5.05781	5.28109	5.09551	6.33549	5.64447	6.52006	5.65081	6.08225	5.60515	5.12344	4.99999
DCTN5	6.12693	6.32063	6.16976	6.09917	6.3057	6.11583	5.98862	5.93748	6.85804	6.22012	6.36458	6.58818	6.16601	6.77933	6.81474	6.33746
DCTN6	7.50218	7.8018	8.14952	8.52724	7.67932	7.6386	7.72547	7.61787	7.06673	7.83726	7.67916	7.61499	8.37121	7.76197	7.3755	7.51458
DCTPP1	9.86852	9.69292	9.53098	9.65062	8.68047	8.50644	8.87515	9.55947	8.95696	9.78849	9.69974	9.89394	10.2527	9.49577	9.31635	9.70802
DCUN1D	5.72953	6.59103	6.28793	6.25598	6.75251	6.30433	6.83799	6.44872	6.8956	6.50819	6.58382	5.67943	6.04611	5.89465	6.40446	6.94003
DCUN1D	7.27587	7.26124	7.52086	6.42945	6.72205	7.65666	7.65934	7.31811	6.71622	7.6035	6.97222	7.66435	6.59223	7.31637	6.55623	7.10453
DCUN1D	6.78753	6.78314	7.39805	7.33114	6.75444	7.00117	7.18606	7.38424	6.86703	6.93448	7.38443	7.06996	7.24262	7.32123	7.42977	7.09987
DCUN1D	6.0189	6.05111	5.91964	6.4838	7.09595	6.2673	5.95207	6.05696	6.57122	6.45085	6.52676	5.74197	5.96635	5.7854	6.12575	6.30722
DCUN1D	6.99449	6.39014	6.38496	7.12268	7.51973	6.96272	7.22326	7.47017	7.01044	7.15452	7.3525	6.87387	6.21509	5.19903	6.84737	7.17743
DCX	3.38837	3.66935	3.20725	2.26823	3.2169	3.00416	3.75809	2.89937	3.45794	6.83799	3.77315	3.22013	3.60965	3.00529	2.99615	3.68155
DCXR	7.50218	7.30433	6.77758	7.14668	5.7079	8.27429	3.10453	6.32223	7.02068	8.89283	8.40426	9.16254	7.68546	7.22086	5.02595	6.53759
DDA1	3.51239	3.36189	2.81532	3.97261	3.47669	4.09222	4.26501	3.8342	3.2187	3.97783	4.57356	3.95084	4.01858	4.68339	4.467	4.28639
DDAH1	4.87172	4.1339	3.77315	4.34547	3.90886	3.97153	4.72913	3.65854	3.58989	4.4487	3.88835	4.1368	3.96455	4.41516	3.82827	3.50641
DDAH2	7.33163	7.095	6.2577	8.049	5.52221	6.73482	5.43557	4.9771	4.90672	7.46304	7.363	7.77186	5.29087	5.45881	5.60876	5.37873
DDB1	7.53993	7.09188	6.96496	7.6481	7.68438	7.78599	7.37944	7.84	7.29217	7.35068	7.72648	7.74368	7.33133	7.60851	7.81549	6.73581
DDB2	8.38151	8.31119	8.07861	7.4189	9.12549	8.75334	7.8353	8.25579	8.69194	9.00647	8.41252	9.27726	8.3822	9.04187	8.28887	8.23524
DDC	2.73661	3.14725	3.00437	4.35134	2.49316	2.90406	3.78588	2.79844	3.39754	3.30355	5.42251	3.42369	2.74868	3.35412	4.01206	3.23662
DDC-AS1	4.88056	5.35328	4.6804	5.97245	5.63203	4.74589	4.5939	3.47335	4.15582	3.47656	4.91374	5.01256	5.85541	5.08737	4.4703	5.82766
DDHD1	5.53716	5.73904	5.94649	5.36018	6.1556	5.58847	5.79835	5.96515	5.88435	5.53443	5.82766	5.16727	6.07804	4.60659	5.31529	6.36574
DDHD2	8.89725	8.96715	9.02378	9.0707	9.43871	8.87664	9.0046	8.48257	7.90263	9.42873	8.27662	8.82099	7.88327	8.78035	8.37525	8.64603
DDI1	5.9357	5.76458	5.40583	5.84112	6.07218	5.72269	6.94359	5.73575	5.94746	5.12708	4.92635	5.83977	6.37347	5.02185	6.1524	4.54565
DDIAS	5.26165	6.01219	5.85894	6.35401	6.95626	6.387	6.5815	6.46606	7.11246	4.03381	6.81906	5.79382	5.972	7.14075	6.78	6.36458
DDIT3	7.37188	7.06583	7.19795	7.04051	7.19839	6.74952	6.88841	7.17415	6.30604	7.32741	7.51529	6.80696	6.95968	9.18179	7.64645	7.0854
DDIT4	11.468	10.9946	10.6972	10.3502	10.2129	10.817	9.68446	9.34402	10.5619	10.5482	11.174	10.552	10.0123	11.1093	10.2398	8.65073
DDIT4L	6.85717	6.621	6.16667	7.94524	3.65448	4.9039	5.92421	4.48907	5.28829	5.33406	5.29132	4.72092	5.1154	3.42962	5.03455	6.28889
DDN	4.39081	4.23261	3.36406	4.33153	4.11679	4.57551	4.29522	4.84165	2.39727	3.21812	5.13024	4.39854	4.4772	3.77151	4.44812	4.87671
DDO	5.12314	4.61122	4.55018	5.26698	4.82167	4.30655	4.28253	4.26324	4.66192	5.0999	5.16933	4.25938	4.31847	4.8391	3.94431	5.1964
DDOST	10.1581	10.0756	10.5021	10.2955	9.78359	10.1542	10.2227	9.94907	10.0897	10.2771	9.9764	10.6426	9.85721	10.5154	9.83745	9.90936
DDR1-AS	5.17033	5.41821	6.21864	6.08113	5.63391	6.12673	5.61554	5.68541	6.27938	5.75568	5.61352	5.22934	5.74899	6.23163	6.18966	6.06866

DDR2	6.25094	6.78926	7.07599	6.83419	6.47731	6.91814	5.94445	6.69812	6.55717	7.68808	6.16976	6.22981	5.40326	6.64693	6.76094	5.72177
DDRGK1	8.93264	8.25405	8.91995	8.4587	8.56298	8.66637	8.58812	7.65572	8.45791	9.24332	8.48075	9.4469	8.01247	8.66327	7.7642	7.6495
DDX1	9.46719	8.82218	9.6066	9.92829	10.5181	9.55682	10.1309	10.0342	9.71324	9.93446	9.55682	8.83956	9.0592	9.19307	10.0604	10.0285
DDX10	5.4188	5.02813	5.38571	5.94472	6.58543	5.71924	5.03614	6.80069	5.16804	5.19496	5.5751	5.16562	6.23676	5.37312	5.62336	6.34505
DDX11	5.43934	4.80703	5.66433	5.25618	6.49184	5.14525	5.79986	6.17147	5.90396	4.81338	5.78774	5.75101	5.51577	5.88528	6.03112	5.58825
DDX11-A	2.13523	1.35876	2.04684	2.58828	3.18522	0.89896	4.17685	3.39861	1.1038	4.3268	1.91586	2.2743	2.29255	4.11853	1.26858	2.4155
DDX11L2	6.53487	3.73984	3.7147	3.73033	4.80222	3.32048	3.14316	2.95859	3.79382	4.14078	6.01513	3.93749	4.12996	5.95153	5.339	3.12132
DDX17	6.35819	5.81684	6.94612	6.32423	5.37312	6.58459	6.24286	6.49429	7.12924	6.58818	5.92983	6.28284	5.57862	6.30873	5.69246	5.38078
DDX18	8.14844	8.1768	7.77756	8.35397	8.41394	8.36393	8.47096	8.49612	8.19193	7.74644	8.45287	7.91786	8.3687	8.56834	8.77496	8.61036
DDX19A	6.67304	6.63278	6.7168	6.23891	6.67304	6.5318	6.30364	6.97383	6.96375	6.41963	6.41345	7.05554	6.8966	6.71502	6.87829	6.33704
DDX19B	4.61877	3.98362	4.52824	4.14041	4.50537	4.69149	4.08418	5.82506	4.13584	4.70305	4.91374	4.48458	4.41983	4.76631	5.20755	5.00386
DDX20	7.70533	7.24216	7.13471	7.54501	7.6195	7.61653	7.65344	7.94524	7.22985	7.47174	7.82021	7.11036	7.72681	7.51009	7.50009	7.39781
DDX21	8.87234	9.4469	10.0817	9.98188	9.7947	9.77946	9.83019	10.5225	9.54637	9.66572	10.398	8.77753	9.71962	10.1813	10.298	9.99282
DDX23	7.81046	7.80351	7.55559	7.75071	7.64325	7.90401	8.20021	7.43226	8.08079	7.91692	8.06968	8.08867	7.0977	8.15216	7.46613	7.28288
DDX24	8.10916	8.1282	7.42706	8.2105	7.06635	7.9507	7.86265	8.18689	8.79299	7.69319	7.9507	7.53935	6.86964	7.8854	7.92486	7.66179
DDX25	5.67016	5.859	5.03262	5.62746	5.78152	4.9039	5.52271	5.41625	5.67968	5.61082	5.53911	4.44959	6.34438	5.43004	4.49946	4.79111
DDX26B	7.44915	7.81725	8.50431	7.64214	8.75966	8.3341	8.37347	7.8718	7.65477	7.7642	7.7952	7.75289	7.04769	8.50367	7.71541	6.9375
DDX27	8.71228	8.70149	8.72673	9.00017	8.3215	8.83478	9.50744	9.17193	9.02285	8.40648	8.64803	8.80651	8.30243	8.3403	8.57221	8.54511
DDX28	5.15063	4.6393	4.86906	4.57214	5.28144	4.2003	3.85278	4.79653	5.25696	3.91728	5.93821	5.42167	5.05935	5.35829	5.25974	6.02997
DDX31	6.51546	6.40159	6.14046	6.01106	6.87019	6.76142	6.29439	6.5687	6.68374	6.64978	6.66387	6.81286	6.93843	6.52472	6.65253	7.15452
DDX39A	7.97809	8.36393	8.50585	8.63198	8.80376	8.52211	8.51084	8.4593	9.13069	7.31858	9.74747	9.67089	8.73519	9.61578	8.64857	9.26758
DDX3X	6.67527	7.09664	7.11366	6.86345	7.24319	6.57346	6.38823	6.52299	7.11527	6.57541	7.48299	5.69861	6.69265	6.61659	6.78183	6.47754
DDX3Y	7.03131	6.54955	7.12328	4.04301	6.59605	6.89428	7.28879	6.56076	6.72553	6.85619	7.25116	7.01461	4.66845	6.6557	6.91249	6.62658
DDX4	2.08404	2.41683	3.42172	3.13915	3.70286	2.45459	2.20014	2.98628	3.49474	2.47565	2.63321	3.23711	3.32016	2.79431	3.03267	3.32854
DDX41	8.13908	8.67368	7.91759	7.91244	8.0913	8.00564	8.10199	8.02346	8.20748	7.77471	8.0979	8.58514	8.02134	8.68272	8.17315	8.44288
DDX42	6.2504	6.63499	6.43544	6.01189	6.88467	6.43161	6.28422	5.92734	6.25794	6.81894	6.50024	4.94242	6.26018	6.69137	5.51387	6.05243
DDX43	2.04089	3.27087	5.17844	2.79365	2.65839	3.40348	6.10873	3.02948	2.03262	2.15841	3.87668	2.99228	2.7137	2.79431	1.85273	1.96263
DDX46	8.61941	8.19961	8.4499	8.1821	8.40426	8.55042	8.9171	8.6144	8.5278	6.3681	8.13908	8.10118	8.15007	8.15007	8.35151	8.46832
DDX49	6.21697	5.91698	5.7905	5.6566	6.01609	5.97318	6.18525	6.03011	6.22003	6.22059	6.26766	6.49673	6.3762	6.3346	5.78051	6.4091
DDX5	8.05719	7.63808	8.01802	7.94735	8.63421	8.15094	7.60727	7.38113	7.3188	8.75014	7.32123	7.58379	7.82162	8.12233	8.1215	6.95926
DDX50	7.07914	7.51214	7.38598	7.35627	7.37522	7.7845	6.95695	7.51042	7.6386	7.06607	7.48402	7.16613	7.33702	7.38774	7.27573	7.38635
DDX51	6.27405	6.84709	7.39069	6.43229	6.40233	6.8108	6.50001	7.37813	6.89428	6.566	5.82933	7.57865	6.48435	7.23753	6.8336	6.63446
DDX52	5.69118	5.74957	6.18015	5.51081	6.17219	6.09815	6.28743	5.73235	5.52553	6.13436	6.70168	5.87873	5.65907	6.02475	6.59992	5.60753
DDX53	4.15633	3.67703	4.86793	0.64437	5.49029	4.81041	3.31153	4.8294	3.31034	4.93851	2.41572	0.32707	4.95044	5.42385	4.78568	4.56661
DDX54	6.11348	6.06551	5.71355	5.83707	6.04232	6.15426	6.61221	6.12863	6.48339	5.69601	5.42963	6.74157	6.48089	6.74684	5.92319	6.11735

DDX55	6.48947	5.44754	6.43834	6.63175	6.81906	6.28872	7.26814	7.32663	5.79184	5.81071	7.3928	6.63967	6.02198	6.92953	7.05279	6.70707
DDX56	6.94256	6.83608	6.30196	6.51314	6.2564	6.79861	6.1214	6.86503	6.83262	6.66709	6.34532	6.67871	6.72244	6.9803	6.30419	6.85564
DDX58	5.78435	6.12507	6.68208	5.89013	7.10326	6.10779	5.74722	7.85291	6.8412	5.91823	7.71422	5.83323	6.96272	5.62694	6.19068	7.76606
DDX59	7.55694	7.16929	7.36696	7.61626	7.6481	7.42526	6.46847	7.47911	7.55173	7.24953	7.60146	7.26107	7.5305	7.04241	7.54594	7.63362
DDX6	7.49656	7.01338	7.86622	8.11898	7.12268	7.13275	6.48263	6.50096	7.20502	7.25315	6.82939	6.89723	6.94061	7.22828	6.62279	7.13203
DDX60	7.66468	7.81112	9.00592	7.72243	9.21728	7.80919	8.59782	9.69974	8.80262	7.39456	9.16131	7.93762	8.77677	7.85734	9.11792	9.54173
DDX60L	5.59319	6.61706	6.94281	5.90309	7.57741	5.36928	6.50024	7.80021	6.61839	6.94813	7.14059	6.26477	5.66145	6.17343	7.04863	6.75832
DEAF1	5.06452	5.38331	4.32878	4.72939	5.31858	4.65343	5.07937	4.31426	5.5093	5.50806	5.94721	4.28169	4.87189	5.77833	4.47417	5.31915
1-Dec	5.56126	4.69941	5.89038	5.57471	5.87497	5.22596	4.64688	5.43602	5.84835	5.51424	4.31274	4.78986	4.36086	5.85906	4.88909	5.62053
DECR1	9.06963	9.68026	9.34263	9.28374	9.22652	10.1711	10.7105	10.0123	9.55682	8.70235	9.13461	8.85744	8.81753	10.4778	9.6193	8.9973
DECR2	8.02016	7.96631	7.61999	6.79607	7.92379	7.38024	7.68368	8.22674	7.72559	8.0666	7.7506	8.43237	8.0026	7.58784	7.76748	8.16058
DEDD	6.10217	5.11218	5.01347	5.92473	5.91076	5.35398	5.99062	6.48435	5.99641	4.85971	6.38034	4.37613	5.77721	5.32521	6.32482	4.86826
DEDD2	9.10897	8.71838	8.62766	8.83547	8.76701	9.33697	9.4359	9.32944	9.1663	8.94645	8.4476	9.51986	9.07809	8.98463	8.75873	8.88342
DEF6	6.80312	7.23993	7.44685	7.5738	7.12749	7.56657	6.51	7.14332	7.24986	7.04151	6.98515	8.07098	6.94586	6.96768	6.95968	6.50474
DEF8	6.84939	7.70384	7.67932	7.52923	6.84156	7.84024	6.86793	6.82022	6.52278	7.87706	7.86345	8.32009	7.42558	7.92598	7.33872	6.67922
DEFA4	5.61093	5.493	5.46755	5.14611	3.78235	5.7104	2.88209	5.93603	6.48408	5.51424	5.35576	4.88247	6.16168	5.97437	5.85731	5.81537
DEFA5	5.25618	5.82175	5.06834	5.5987	3.83175	5.52508	5.06647	4.89413	5.27471	3.62321	4.84947	5.95435	5.77662	4.3596	5.53655	5.6819
DEFA6	2.55807	1.71163	2.90619	2.43076	2.94105	1.53719	2.63794	3.0093	3.09248	3.00855	3.23213	2.81338	3.47767	2.91144	2.82464	1.70353
DEFB1	8.04566	7.43168	7.54151	7.91464	3.32431	2.69944	5.79032	5.28972	5.46799	9.89971	9.53709	5.08443	4.49101	3.6144	3.0951	3.07505
DEFB108	4.34203	6.25699	5.21285	5.07849	4.42161	5.14236	5.50534	5.69927	4.65199	5.43291	4.3732	3.97679	5.97368	5.44628	3.7606	5.33438
DEFB114	1.19711	0.24489	0.71928	1.00034	0.75071	3.87636	3.00912	3.98218	0.36087	2.04282	-0.6813	0.05171	0.248	-0.133	-1.4826	0.55613
DEFB118	4.20074	4.12453	5.10007	3.9262	3.42572	3.36385	2.63794	3.47335	4.83468	4.11891	3.42769	3.79654	3.37673	3.98175	3.33112	3.48415
DEFB119	2.76215	3.52295	3.53979	3.54227	3.54143	3.46973	2.68743	3.0766	2.74868	5.44628	3.06985	2.09215	3.20659	3.96745	2.68278	2.81829
DEFB121	3.42813	3.52573	3.30294	2.1445	2.9933	3.74792	2.42155	3.88575	3.45216	3.18735	3.42769	2.55562	3.30026	3.52815	3.47504	3.55993
DEFB122	6.47895	2.86158	4.50625	4.94042	5.28342	5.0631	4.4903	4.22833	5.39807	6.04194	5.0536	4.3216	6.28889	5.11206	5.39763	4.65881
DEFB123	1.32695	1.67217	1.4899	1.444	1.80599	1.09519	2.1009	1.91261	1.53958	1.5458	1.91586	2.86273	1.59204	1.78331	1.52655	1.89302
DEFB124	5.75079	3.93142	3.8455	4.36875	2.8257	3.18013	4.2994	4.51193	3.23662	4.07777	3.41787	3.92537	2.82958	3.19002	3.75654	2.70592
DEFB125	3.62466	2.84393	2.42383	2.65796	4.82932	2.88086	3.14316	5.41101	3.60923	4.37418	5.05088	2.29689	3.90551	3.99364	4.00819	3.93004
DEFB126	5.00749	4.77186	4.43787	5.34934	4.43688	5.40356	4.63911	4.82547	5.06959	5.11713	5.18956	4.63261	3.48948	4.73694	4.1339	5.41283
DEFB127	5.26165	5.28694	5.29126	5.47686	4.4943	5.0543	5.20807	5.55993	4.74411	5.76953	2.36593	5.24175	5.42917	5.90062	5.48401	1.0625
DEFB129	5.09791	4.61934	4.57507	5.12882	4.96712	5.07913	4.85299	5.84319	6.06266	5.80309	5.59123	5.10078	5.1616	5.71377	5.76368	5.18934
DEFB132	3.23662	5.86534	4.72787	5.23264	4.53186	3.18781	5.32281	5.66963	5.51033	3.49311	2.88166	4.50504	4.11891	4.2359	3.04901	3.23061
DEGS1	8.27971	8.9171	8.90453	8.44211	9.74251	9.15916	8.57592	8.77929	8.85441	8.68694	9.32986	9.26606	9.19156	7.80799	9.92274	9.1358
DEGS2	7.78497	7.21675	6.93899	6.43314	6.13292	6.06644	4.82631	6.97727	6.09939	6.75482	6.85546	7.3119	6.41164	6.09264	6.81715	6.61839
DEK	10.4778	10.8431	10.9849	10.8383	11.2558	11.25	10.8431	11.0563	11.1093	10.1887	11.1017	10.6686	10.9797	10.7467	11.1496	11.0825

DENND1	6.82532	7.01816	6.64633	6.50406	7.31233	5.98083	6.81451	7.51308	6.76563	7.40457	7.55487	7.0915	7.64185	7.50393	7.5383	7.62531
DENND1	5.51437	5.84953	6.70561	6.17911	5.72369	5.88508	6.44674	5.72522	6.3829	6.01017	6.51983	5.37386	5.84031	5.50719	5.8116	6.14973
DENND1	5.42243	7.67787	7.17486	7.39951	7.14827	7.47911	6.8133	8.26067	7.72056	4.5207	7.62531	7.86057	7.07611	5.5943	7.54909	6.7533
DENND2	3.90025	3.62626	4.22158	4.18908	3.8966	4.39311	3.04581	3.40514	2.65754	5.22056	2.76036	4.1581	2.50625	3.20356	3.89358	3.58419
DENND2	6.26067	5.38244	5.85125	5.95087	5.48664	5.79898	5.87662	5.39225	6.14652	6.07868	5.93748	5.93612	5.56763	6.29256	5.66409	5.29518
DENND2	7.55999	7.8327	7.42028	8.01932	7.74644	7.65828	7.44685	8.56369	8.51199	7.1198	8.5017	7.87296	7.22559	7.58312	7.97364	7.62599
DENND3	6.40819	7.31799	7.80077	6.71149	6.9368	6.8921	6.69167	6.82079	6.642	7.21883	7.12396	7.75334	6.86641	6.91272	6.8874	6.4707
DENND4	4.6971	5.79626	5.2591	5.79922	7.12819	5.78941	6.82125	4.68531	5.97036	4.35134	6.44576	4.91198	5.34336	6.34163	6.33638	6.45247
DENND4	7.53123	7.84521	7.70859	7.86066	7.55413	7.96232	7.40556	8.21006	7.38152	7.54367	8.41433	7.9855	7.61431	7.73337	7.89942	7.7249
DENND4	6.02713	6.05425	6.7013	6.28381	7.07585	6.00101	6.01106	5.86526	6.50096	7.11716	6.27228	5.58825	6.44728	6.74074	6.46194	6.93502
DENND5	6.51736	6.43844	6.8419	7.40779	8.49271	6.43414	6.49304	6.33679	7.24157	7.07787	7.7017	6.96898	7.59959	6.72429	7.20912	6.26771
DENND5	4.00094	4.64564	4.54295	4.56534	4.07826	4.11067	3.99122	3.59491	4.20101	4.6631	3.50136	4.13561	3.83088	3.80262	4.64412	3.44785
DENND6	9.00167	9.33414	9.23319	8.89159	9.62677	9.46135	9.16038	9.23779	9.49437	9.64364	9.22523	7.39238	8.6216	8.32463	9.04187	9.63071
DENND6	7.14485	6.40384	6.43147	6.04492	5.6532	6.05143	6.20604	6.18849	6.32977	6.67388	6.24803	6.76182	6.08756	5.48246	6.38675	5.96883
DENR	7.37469	7.39967	7.65208	7.48326	7.73741	7.8749	7.33374	7.94023	7.57865	7.66097	7.69972	7.59162	7.66558	7.58615	7.05622	7.44642
DEPDC1	4.48662	4.93594	4.07634	4.21672	5.6558	5.13261	6.56249	5.28258	5.40444	3.31872	5.67169	4.78407	6.51724	4.6981	5.12665	5.78941
DEPDC1-	3.87518	2.04582	3.99043	5.2261	3.6922	3.87636	2.39011	5.44975	2.79078	4.0807	4.73192	3.89608	4.05757	4.1611	4.91563	2.81134
DEPDC1]	5.55384	6.62481	6.51534	4.5915	7.47156	6.80782	7.24292	6.96496	6.67057	4.38311	8.80228	5.48098	8.1649	6.43737	7.41093	8.40046
DEPDC4	3.3065	2.66487	1.5123	2.39502	1.91968	2.05222	3.22968	3.01667	1.61711	2.8391	1.83926	2.26456	4.50167	2.69458	1.50317	1.44194
DEPDC5	6.61529	6.36671	5.95819	5.50571	6.1019	5.62765	3.52327	3.67908	5.22807	5.47514	6.10902	4.38384	6.11748	4.58936	4.71569	5.72006
DEPDC7	4.51157	3.69964	4.08953	4.76672	6.31036	4.83812	0.11027	4.26669	1.32709	4.24348	5.64598	4.25792	5.537	4.34433	4.28189	3.93004
DEPTOR	6.67922	6.42388	5.1713	5.11999	5.63161	4.01473	3.83063	5.61784	4.76339	5.89265	3.82301	5.67605	4.91646	6.19217	5.17854	5.12719
DERA	9.14677	9.66911	8.95046	8.9068	10.5753	8.25183	9.86852	9.32763	9.36777	8.78314	9.10606	9.31971	9.54001	9.66572	10.4318	9.76219
DERL1	8.10173	8.26668	8.79229	8.09933	8.2853	7.92399	7.89038	8.17445	8.049	8.10956	8.26204	8.30207	7.86725	8.40046	8.1843	8.00533
DERL2	7.83323	7.73968	8.63946	7.9949	8.31293	8.36086	6.46531	6.60677	7.31824	8.66851	7.62433	7.03405	7.36602	7.46068	8.14551	7.50595
DERL3	6.31307	7.03085	8.08445	6.7883	6.22235	5.95902	5.86708	7.18879	6.76466	6.94086	5.9857	7.47138	5.87152	7.10271	6.3204	5.73024
DES	5.06033	6.233	6.67015	5.38506	5.87061	6.07628	5.07305	6.45687	6.33967	6.69	6.14165	6.51112	6.16738	5.12258	6.09844	6.09232
DESI1	6.65166	7.36045	7.68518	7.07983	7.00304	7.64872	7.00541	7.10858	7.13317	7.18251	7.84356	8.06823	8.04348	7.62768	7.13471	7.52542
DESI2	4.92858	4.14261	4.44454	4.82364	4.69923	5.48005	4.89581	5.18766	4.9146	4.91008	5.05573	5.08149	5.7242	4.66374	4.84458	4.42491
DET1	6.76925	6.20495	6.44198	5.31338	5.76901	6.2787	7.33179	6.88287	6.48172	6.72244	5.05252	5.11832	6.16109	5.60069	5.36229	6.80543
DEXI	7.64614	7.32572	7.30083	7.57423	6.70889	7.58806	6.64337	6.8032	7.06506	7.63234	6.86948	7.92703	7.22695	7.34682	7.16464	7.38282
DFFA	6.76679	6.95554	6.62245	6.71896	6.5166	7.3259	8.28774	8.63421	7.19405	6.61362	7.82869	6.61328	7.80622	8.13277	7.39737	7.60658
DFFB	6.17842	7.09732	6.58754	6.92239	6.23107	7.08315	7.4066	6.18347	6.43161	6.19774	5.94857	6.73719	6.55112	6.96211	6.73346	6.68208
DFNA5	6.7635	7.35432	7.55694	6.33379	6.86424	8.45101	7.27309	6.97563	7.49996	5.96774	7.86571	7.26312	8.20539	8.68624	6.6942	3.87671
DFNB31	3.17093	2.90671	3.05116	3.05291	3.64825	2.97769	3.59313	2.76484	3.01001	2.89801	3.06066	2.83616	3.3087	3.19128	3.22013	3.80555

DFNB59	5.86446	5.69214	6.29572	5.65728	7.12006	6.41398	6.22252	6.33679	6.53956	6.92615	5.14857	5.38936	5.6866	5.23003	6.10622	6.27907
DGAT1	5.56883	5.53282	2.91679	5.37312	2.61273	5.92343	6.63361	3.69279	6.45211	5.88112	6.86655	7.2897	5.81769	6.35887	4.41729	4.50264
DGAT2	5.3987	5.69909	5.29383	5.17003	6.78271	6.25751	8.07048	5.33889	6.97016	4.5681	6.22501	7.82536	7.42833	8.72521	6.76679	8.05323
DGCR10	3.99584	6.79839	7.0775	6.1892	6.33628	5.12363	6.38982	5.61233	5.55208	6.80482	6.01952	5.92904	6.35743	6.88749	6.58582	6.70583
DGCR11	6.83179	7.40541	6.42921	7.6971	7.24621	7.11869	6.65981	6.905	7.06319	7.6495	6.59962	7.13775	6.88068	7.41828	7.14443	7.35884
DGCR12	4.66919	5.43821	5.96635	6.30759	5.42686	4.54325	6.22536	5.70687	4.88092	5.4871	5.34487	5.27149	5.53362	5.30533	5.28829	5.29633
DGCR14	6.29418	6.61318	6.94009	7.11288	6.55019	6.879	6.92419	6.73237	7.25499	5.97535	6.67581	6.61625	6.29245	6.56799	6.71599	6.87697
DGCR2	7.59021	7.41841	7.66053	6.8869	8.10686	8.06128	8.05665	7.21574	7.98837	7.67994	7.70564	8.36242	7.00117	7.50206	7.89413	7.63653
DGCR5	4.12453	4.06264	4.25647	3.89133	3.87968	4.07798	3.79536	4.18642	4.1147	4.22737	3.73314	4.193	4.29278	4.25751	4.39917	4.10404
DGCR6L	3.68019	5.58056	3.5252	4.49557	5.23646	4.01812	3.32901	4.16157	6.19667	3.55696	3.50469	3.96659	3.47767	4.55761	5.42944	3.71736
DGCR7	4.89861	4.65737	4.2174	5.1755	4.6793	4.59056	4.86595	4.90967	4.90868	3.22649	3.16009	3.66576	5.20742	4.82646	4.24199	4.59535
DGCR9	5.01394	6.04592	4.42144	5.24647	5.26406	5.27542	5.79032	5.96298	5.77139	5.89084	5.28977	5.37627	6.11583	5.28671	6.06651	6.76269
DGKA	5.8151	6.58226	5.47477	5.84738	6.00283	6.28732	5.86411	5.40792	6.10902	5.98632	5.93434	4.83015	5.68746	6.3979	6.10535	5.90489
DGKB	4.49636	5.32626	5.69164	5.91276	5.03997	5.93772	5.14928	5.71997	5.54991	4.48338	4.18588	5.52199	6.50922	5.82465	5.73055	5.23108
DGKD	8.35464	8.27589	8.31415	8.40309	8.61593	8.27662	8.0913	8.02694	8.28862	8.95146	7.81773	8.43237	8.03983	7.83476	8.39965	8.26668
DGKE	4.90583	5.14845	5.55632	5.84505	5.32234	5.57534	5.92644	5.88796	5.57834	5.58663	6.26231	5.78106	5.22261	5.68335	5.98436	5.8839
DGKG	2.56958	2.75807	2.88516	3.13235	3.63421	2.29132	2.295	2.79511	3.5479	3.38525	4.13078	3.12101	2.69944	3.52421	2.37886	2.42653
DGKH	6.57598	6.3346	5.93676	6.12841	5.43322	6.17896	5.76856	5.91104	5.59906	5.15653	5.95854	5.53911	5.08786	5.07734	5.19152	5.51925
DGKI	1.32695	2.41683	3.02585	2.38778	1.88842	2.48692	4.88202	1.79233	1.45473	3.21812	2.21379	2.64907	1.41985	2.09344	4.89817	4.83068
DGKK	3.69182	3.88198	3.9636	3.6916	3.83175	3.6993	3.68625	3.84143	4.10622	4.74589	4.3732	3.89608	3.65598	4.83639	4.06918	4.14722
DGKQ	4.6313	4.80874	3.94138	3.55916	4.9904	5.68373	4.4838	5.69601	5.47646	4.77035	5.0241	5.43465	4.64876	5.13789	4.77579	4.56179
DGKZ	3.55543	3.92098	3.21664	3.39266	4.63277	4.67628	4.59703	3.18302	4.70708	3.33341	5.05059	4.69923	4.75221	4.96785	4.28409	3.45063
DGUOK	6.80289	6.76291	6.76291	7.61185	6.6161	7.26885	6.93224	6.50835	6.86104	6.71459	6.93843	6.65877	7.81934	7.70787	7.03578	7.37737
DHCR24	10.5826	9.55947	8.51429	8.53486	7.27295	7.95275	7.02877	7.72392	8.56669	10.4094	9.13069	7.94991	7.24572	7.55453	6.8226	7.10941
DHCR7	5.89189	5.21912	3.93923	4.42048	6.1677	6.31624	4.48144	4.55018	5.30847	7.10298	5.89549	7.0576	5.63564	6.87285	4.72757	5.41316
DHDDS	5.48925	5.19111	5.43626	5.12281	5.92277	5.25974	5.65432	5.93022	5.54492	6.04259	6.02713	5.09342	5.48909	5.42776	5.37312	5.29878
DHDH	5.18934	4.1094	3.68203	2.55745	3.89996	3.96435	4.61163	4.10002	3.81646	5.60707	4.11419	3.73633	3.82075	3.85416	3.72694	4.28288
DHFR	6.29256	7.36602	6.57028	7.1371	7.36398	8.41433	8.99157	7.79766	7.50104	6.84787	7.60702	7.363	7.98728	8.10791	7.03085	7.7162
DHFRL1	6.85491	6.43593	6.83389	6.61672	6.54702	7.25982	6.80405	6.88646	6.14202	5.93434	6.3114	5.40703	5.56468	6.24397	7.04666	6.51464
DHH	5.78082	6.48735	6.10036	5.45483	5.56689	6.23796	5.93642	5.76823	5.94981	6.05367	5.89332	6.59663	4.12996	6.40786	6.0945	6.22003
DHODH	5.74677	5.73584	5.62925	5.02205	5.39962	5.55338	6.33083	6.62245	5.58778	5.9165	6.22225	6.04891	5.88749	5.46805	5.95754	6.35777
DHPS	7.34297	7.53449	7.32389	7.20402	7.43454	7.02068	6.74459	6.6161	7.10453	7.42977	7.65979	7.55846	7.37522	7.8922	6.92356	7.55559
DHRS1	8.33525	8.60654	9.14795	9.35829	7.98107	8.58419	7.74032	8.73043	7.92001	9.33149	9.24021	8.89896	7.98276	8.69613	8.30207	8.28261
DHRS11	5.37529	4.30874	4.36468	5.36331	3.94739	4.13417	3.91631	4.9984	2.76258	6.4835	6.28743	4.20947	6.06337	3.99364	4.54565	3.04866
DHRS12	4.03827	4.22285	3.75445	4.4239	4.27105	4.22158	4.24673	4.10752	4.14977	4.21488	4.11874	4.48705	4.45067	4.37613	4.41415	4.3118

DHRS13	7.92379	7.63288	8.00403	7.61408	8.08673	7.7785	8.0979	8.29627	8.70368	8.06888	7.9074	8.53743	8.74734	8.45232	8.32337	8.08592
DHRS2	3.97242	3.9751	3.95924	3.80894	6.45844	6.64649	5.29777	4.64145	4.15142	5.10335	4.91594	3.90701	4.542	5.2535	4.60058	4.23481
DHRS3	9.50597	9.22523	7.81773	8.2561	7.89722	7.36657	8.18536	7.68379	8.66327	9.00855	7.44046	8.51429	7.96472	8.84184	7.98708	8.11737
DHRS4-A	5.61594	5.62113	5.80721	6.19649	5.64632	6.22135	5.87249	6.03728	6.46753	6.18203	5.80282	5.88152	7.08687	6.43673	5.90297	7.03429
DHRS7	5.4645	4.79885	5.59149	4.84233	4.8636	5.57201	4.35946	5.52153	5.05022	5.70264	5.35492	5.54035	5.23907	4.9553	4.8435	5.05621
DHRS7B	8.11563	6.65209	4.27028	8.28836	6.67527	7.10717	6.12808	4.26669	5.71298	7.60563	7.10758	6.4977	6.46097	7.99841	5.86754	4.79506
DHRS7C	4.66752	4.3216	4.01912	3.95382	3.60374	4.19473	6.02435	3.86842	4.68603	3.8925	5.24098	5.55526	3.30026	5.33354	3.64338	3.95427
DHRS9	11.0563	10.0079	8.8522	9.51986	8.48129	6.92356	7.25499	8.52475	8.94258	7.35149	8.75206	7.83193	8.0146	7.26032	7.02379	6.82513
DHRSX	7.34856	6.45064	5.12697	5.93216	6.97418	6.95754	6.86455	6.90602	7.21477	7.38533	6.45718	7.24245	7.07769	6.83931	7.41663	6.47202
DHTKD1	8.08673	8.50717	8.61941	7.98276	7.9021	8.4084	9.18711	8.17903	8.44931	8.63277	7.83154	8.19842	8.049	8.50585	8.54172	8.27087
DHX15	8.83123	8.82517	9.33845	8.44731	9.7568	9.2111	8.61369	9.32203	9.4267	9.45824	9.38644	8.22834	9.08296	9.03003	9.06609	8.82789
DHX16	8.02942	7.92528	7.62114	7.55377	8.03184	7.80322	7.89952	7.7995	7.81974	7.26413	7.8018	7.91964	7.64325	7.92217	7.99888	7.69023
DHX29	8.61593	8.90271	9.21274	8.94645	9.15499	9.20523	9.20378	9.11143	8.92733	8.87664	8.75045	8.41793	8.37595	8.84269	9.57128	9.29877
DHX30	5.96676	5.64247	6.24025	6.21634	5.84429	6.02475	5.5131	5.36091	5.88899	5.95902	6.29873	6.1524	5.956	5.92167	5.56963	6.5877
DHX32	8.99912	8.12992	8.00005	8.52058	8.0117	8.23238	7.86047	7.77654	8.82218	8.9255	8.11826	7.84852	7.9098	8.78314	8.08867	8.00305
DHX33	6.87934	7.14827	7.52337	7.33179	7.86096	6.96309	7.15053	5.83143	6.89899	6.48777	7.37382	6.55759	7.12396	7.2057	7.34801	7.54819
DHX34	5.73546	4.59297	5.59041	5.06334	4.37651	6.05337	5.27276	4.59297	5.13458	4.62003	5.17489	4.37306	4.78521	5.70986	5.06452	5.03697
DHX35	3.63421	4.10622	3.09384	5.10669	4.25972	3.73945	3.04435	3.61309	4.36498	3.83335	3.47278	4.04204	4.81738	3.49924	4.49757	4.52188
DHX36	6.4707	5.87249	6.52829	6.19634	5.41755	6.33835	6.10744	5.44119	6.14001	5.56538	5.61166	6.06428	5.63775	5.53161	5.58335	6.30909
DHX37	4.75885	4.3624	4.66919	4.26368	4.87633	6.11067	3.96659	4.51349	6.21114	5.16123	6.93102	6.88759	4.80498	6.28672	4.8875	5.50806
DHX38	7.33244	7.16167	7.64788	7.67213	7.26183	7.25138	6.95493	7.13969	7.27385	7.8991	7.43579	7.43293	6.65084	7.67624	7.10241	7.28966
DHX40	8.83277	8.02774	7.83799	8.12358	8.34289	8.10488	8.84609	7.77998	7.84813	7.63792	7.77298	7.38087	8.24208	8.49565	8.18597	7.97085
DHX57	4.99543	4.06288	3.68459	3.95757	4.4917	3.02476	4.34316	4.10435	4.18147	4.77009	4.35897	3.27899	4.06288	4.36385	3.66585	4.61264
DHX58	6.20086	5.8704	6.39062	6.11008	6.4838	5.6174	5.81987	6.42187	6.29614	6.40719	6.34789	7.17165	5.79876	6.08539	6.01839	6.04451
DHX8	5.16123	4.1494	5.11218	5.05688	5.61701	5.36786	4.55677	5.44206	4.40279	4.69036	5.65752	4.73847	4.77035	5.63471	5.39004	5.0097
DHX9	5.40915	5.80045	6.50257	6.03166	6.26907	6.30958	6.06227	6.12794	6.81521	6.23325	5.38983	4.76297	5.56375	6.27004	5.32756	6.02581
DIABLO	9.55522	9.39668	9.26758	9.37769	9.36362	9.64026	8.59024	8.9171	9.43764	9.4807	9.26078	9.56083	9.92568	10.3074	8.96044	8.85441
DIAPH1	5.949	6.29625	6.74964	6.8071	6.74657	6.97754	6.95399	6.95816	6.74434	6.7359	6.80843	6.66307	6.67771	6.05504	6.6551	6.84758
DIAPH2	5.09486	5.82886	4.95919	6.64239	5.51418	6.37272	5.56699	6.26231	5.35382	6.1534	6.26444	5.19496	6.16548	5.50994	5.72307	5.96113
DIAPH2-	5.54541	5.52822	5.53553	5.93022	5.06667	5.58111	6.01124	5.34654	5.20516	5.55578	5.27149	5.82316	6.16754	5.74197	5.10043	5.61662
DIAPH3	3.19037	3.47956	3.49231	3.093	3.58733	3.95956	4.62196	3.97544	4.06555	2.70414	4.30918	3.48703	3.96416	3.48742	3.63964	4.467
DIAPH3-	3.71651	4.90672	4.96316	4.92917	4.1913	4.3419	3.48538	4.94868	4.00094	3.59491	4.14706	4.00874	5.12472	4.93087	3.50721	4.76537
DICER1	5.54898	5.47008	6.51269	6.37458	5.1428	5.91	5.22546	5.67221	6.1326	5.76382	6.16058	5.50829	5.50567	4.63704	5.33068	5.61959
DICER1-	6.93431	6.51169	6.30873	5.91026	6.36638	6.14728	6.30958	6.58264	6.28525	6.432	5.97882	6.40861	6.46341	6.2833	5.82082	6.54069
DIDO1	6.7294	6.72516	6.74227	6.72816	6.64693	6.23676	6.84461	6.44361	6.11277	6.62269	6.10144	6.23514	6.30196	6.21719	6.26547	6.29809

DIEXF	7.02487	6.68886	7.0905	7.13557	7.08736	7.01614	6.96636	6.60163	6.85121	6.91333	7.37495	7.67098	7.61626	7.20891	7.18732	7.47372
DIMT1	6.99808	7.2774	7.05497	7.73337	7.28713	7.44207	7.46283	7.55846	6.95994	7.84908	8.37038	7.79893	7.95378	7.7485	7.70836	7.94402
DIO1	5.13682	5.59446	1.07116	5.22998	2.47594	4.91834	3.42552	1.67907	5.27471	0.65546	4.68317	4.42289	3.44604	3.66246	3.29289	3.1481
DIO2	5.41358	5.31417	6.45214	5.98237	5.49443	5.62516	4.80682	5.18222	6.04874	5.38297	5.27173	5.68688	4.60422	5.88301	5.42482	4.63315
DIO2-AS	6.38183	6.22783	5.88397	6.03567	6.01106	6.52681	5.92806	6.36903	6.50381	6.83665	6.18738	5.72192	6.56658	6.05846	5.76895	5.93015
DIO3	3.42813	2.39163	3.90511	3.49407	5.42868	3.09851	3.42552	4.08791	3.80565	3.42914	3.29289	3.38388	3.79701	3.98175	2.76084	3.29988
DIO3OS	4.7659	5.07446	4.81793	5.68265	4.69843	4.56572	3.86625	3.71405	5.10708	5.16611	4.50167	5.23682	5.14845	4.78736	4.05144	4.47294
DIP2A	5.66269	5.67169	5.6046	5.65647	5.37506	5.43821	5.59022	5.43821	5.80706	5.21096	5.74127	5.79211	5.24005	5.28981	5.37368	5.47715
DIP2B	6.54303	6.75235	6.3277	6.87115	6.94552	7.10505	6.67568	6.61013	6.89021	6.85132	6.581	7.1334	6.41511	7.08193	6.92944	7.22892
DIP2C	7.11639	6.82917	6.73634	6.66446	6.84206	6.83558	6.30501	6.0893	6.83051	6.85308	6.25466	6.23544	6.16627	6.80762	7.09732	6.07302
DIRAS1	2.67303	2.64708	2.26662	2.44316	2.38522	2.31914	2.30119	2.32353	2.5498	2.56421	2.55599	2.37329	2.2766	2.53346	2.18059	2.48475
DIRAS2	2.35977	2.27904	0.76448	2.5211	2.72849	1.51008	4.01284	1.94058	1.84689	4.85948	2.49591	2.11654	2.31554	1.69511	1.50513	1.53004
DIRAS3	5.64371	4.08875	6.62571	5.53338	6.16481	4.97295	6.08549	5.04974	4.95856	6.57826	5.98777	5.14209	6.34438	4.21305	5.98264	5.29354
DIRC1	3.93705	3.86925	5.59946	3.9262	4.78187	4.16542	5.6242	5.02351	4.86178	3.53934	4.25636	5.11046	5.49578	4.92635	5.14584	4.389
DIRC2	7.37019	7.05601	7.31268	7.2798	6.80448	6.92377	5.81078	6.44702	7.14485	7.33925	6.03166	7.15001	7.03111	7.07656	7.03543	6.65003
DIRC3	3.87518	3.85394	4.86007	3.88735	5.13936	7.0468	4.50617	4.70767	5.09372	4.57223	4.95356	5.27702	4.0405	4.369	6.34474	4.44222
DIS3	6.45737	6.45428	6.35836	6.01546	6.41038	6.38544	6.984	6.31279	6.30863	6.69482	6.37833	5.47407	5.87709	6.78968	6.6076	6.96393
DIS3L	7.68808	7.79766	7.63603	7.44622	7.47747	7.38493	7.84562	7.38113	8.23238	8.23881	7.41351	7.04849	7.86001	7.69134	7.50536	8.19961
DIS3L2	5.55165	5.53079	5.97056	5.26854	6.27066	6.71592	6.67595	5.98966	6.11559	4.80979	5.15076	6.03898	5.42705	6.2054	7.14485	6.48403
DISC1	4.89126	4.28781	3.89967	4.1339	4.18531	4.27649	5.18831	4.85515	4.70821	4.08258	4.99358	5.27249	5.53864	4.88684	4.61408	4.69835
DISP1	6.64277	6.2801	7.22388	6.42945	6.44984	6.44405	6.49506	6.69482	6.59326	6.8874	6.1163	5.79382	5.94565	6.62664	5.97157	6.1809
DISP2	3.06503	2.55772	3.15379	4.3777	3.88843	3.22527	3.20323	2.55884	2.58986	4.49669	3.0131	2.44179	3.37673	2.54935	4.14967	3.08868
DIXDC1	5.1755	4.2931	4.72939	5.11089	4.31046	4.60801	3.77246	4.17392	5.12697	4.93087	4.20764	3.98497	4.29676	4.64127	4.26368	5.42236
DKFZP43	4.47148	4.43669	4.26411	4.26827	3.9791	3.14254	4.14769	4.8611	4.21256	3.48474	3.46822	4.38038	4.64006	2.73163	3.60881	4.34651
DKFZP43	5.90026	6.21089	6.01459	6.24633	5.96744	5.23419	6.48861	6.9154	5.95809	2.2766	6.54014	6.64301	6.76807	3.21424	5.89027	6.33645
DKFZP43	6.0104	5.49063	6.26517	4.94944	5.68373	4.68011	5.58532	5.81525	5.18657	5.96774	5.68695	5.81194	5.90923	5.40633	5.72807	5.95512
DKFZP43	4.77406	5.77919	5.59022	5.53553	4.46879	5.12281	4.75687	5.27776	5.43048	4.59703	5.84505	5.14895	6.34603	6.6732	3.91647	5.37537
DKFZP43	3.332	3.22291	4.54652	3.81899	3.10115	3.65854	2.00643	3.81937	2.52389	3.12164	2.6189	2.65434	3.46739	3.58282	3.35515	3.36413
DKFZP58	8.14585	7.77242	8.32816	7.88843	8.67903	8.39318	8.049	8.55727	8.51396	8.55764	7.63257	8.17853	7.10697	8.18415	7.65686	7.44226
DKFZP76	2.80802	3.80927	3.06828	2.53824	2.75175	3.08987	2.49316	3.61254	3.54755	4.0953	3.34891	3.57535	4.04587	3.3753	4.14706	3.35015
DKFZp43	3.33951	2.63607	3.69005	3.30112	2.65839	3.391	2.61298	3.0481	3.25201	2.34717	2.75175	3.49365	2.29255	2.41572	2.59102	3.03549
DKFZp43	2.08404	2.84393	3.50622	2.00313	2.21727	3.08198	2.70047	1.44837	2.83517	2.93344	2.30098	2.53152	3.47767	2.95261	2.95994	3.04866
DKFZp43	3.06503	2.95972	3.28947	4.2727	2.0729	2.67969	2.47678	3.41422	2.28837	3.29126	2.07483	2.34474	3.66589	2.01506	2.59102	2.5569
DKFZp45	6.33063	4.54463	6.27641	4.17431	5.97046	4.30957	5.54511	5.25151	4.79613	5.26485	5.98777	5.75568	6.47236	6.20065	6.19295	6.36248
DKFZp54	2.29377	2.63003	2.58537	2.84393	2.92837	3.52708	2.92343	2.66092	2.7762	2.40629	3.25331	3.05024	4.21937	3.43618	2.77414	3.06691

DKFZp56	1.74742	1.44837	2.23187	1.77186	2.42207	1.68859	2.78886	1.51119	3.06765	2.04282	1.91586	1.2545	1.59204	1.4403	1.92074	2.15094
DKFZp66	4.70625	3.69964	2.66774	2.52969	5.82	3.93664	4.74782	2.70064	4.84572	4.35645	3.23213	5.10586	1.82475	3.34999	2.86345	3.57557
DKFZp77	7.03614	7.14153	7.56995	7.06297	6.88409	7.08815	7.35932	7.55173	7.38264	7.5405	7.04769	6.88541	6.83528	6.65253	6.8044	7.45093
DKK1	5.66365	6.47034	5.50341	6.68966	7.50752	9.26222	5.9041	6.74459	5.86958	8.27087	7.4605	6.55645	8.25405	4.87894	6.89132	6.5732
DKK2	5.6905	6.58522	5.98534	6.36788	5.85947	5.21236	4.888	4.91702	4.59004	5.32334	3.69848	3.61918	5.45997	4.01749	5.90975	5.40944
DKK3	5.84691	5.91519	6.12594	5.41283	7.04028	6.46826	5.46928	6.28592	5.43465	7.07685	6.75444	6.84027	7.00686	6.29734	6.3484	5.83943
DKK4	5.82322	4.13607	5.13395	3.31099	4.11679	2.76484	4.03876	3.47335	4.02473	3.82085	5.17761	2.89774	4.92092	2.44811	3.69726	4.17756
DKKL1	2.75185	3.01952	3.47669	1.96731	2.81309	1.95254	1.73976	3.06557	2.03262	2.12186	1.7041	2.01179	2.34547	1.36152	2.56931	1.51008
DLAT	5.97254	6.52805	6.50819	5.93676	7.25934	6.17362	6.02997	6.9799	6.68208	5.46171	7.33374	6.04759	5.81627	4.7984	6.2306	6.72166
DLC1	6.09093	6.1556	6.58884	5.86766	5.70671	6.2051	6.56296	6.3998	6.14183	6.48682	6.19425	5.91125	5.84898	5.88635	5.83892	5.68679
DLD	7.98057	7.97399	8.01606	7.96656	8.92258	7.94881	7.97691	8.21095	8.15863	8.2345	8.30791	7.64835	8.31053	8.45287	9.25598	8.80034
DLEC1	8.31214	4.64145	3.98251	5.43532	3.79065	4.04011	3.72995	3.77177	3.7497	3.7862	4.02495	5.30704	3.40822	4.17998	3.79701	3.49996
DLEU1	7.21296	7.3564	6.96882	7.57136	6.97709	7.64234	6.8991	7.99608	7.47214	7.25914	7.99046	7.06244	8.01932	7.07787	7.70349	7.60767
DLEU2	5.30515	5.29597	5.33833	4.63626	4.41044	5.32756	5.75337	5.10469	5.52747	4.9186	6.3829	4.17667	4.12115	5.55676	5.65844	5.47087
DLEU2L	3.29685	3.48434	4.33416	5.98578	3.45301	5.16063	5.6487	5.02351	4.61934	3.49311	4.70133	3.3733	2.88174	5.36067	4.99814	3.60117
DLEU7	5.35597	4.16994	4.86471	5.27329	3.59057	3.94666	3.49217	4.94439	2.79078	5.73126	5.05088	4.78683	4.69241	4.59647	4.14967	5.84362
DLEU7-A	6.07854	5.5046	6.05165	5.91663	5.64806	5.88861	6.30176	5.88688	5.76565	6.38025	5.65993	5.54883	5.30542	5.21468	6.15413	5.92868
DLG1	5.39452	5.45244	5.27316	5.07734	5.69563	5.84449	5.74261	5.4553	5.46171	5.04401	5.81725	4.93308	5.52109	5.45261	5.12745	5.79198
DLG1-AS	2.47437	3.74825	1.85463	1.77186	1.20215	2.42212	2.63794	0.97208	3.6792	1.22431	2.90046	1.41969	1.29724	0.73695	2.26702	2.61375
DLG2	3.21439	3.55262	2.36953	4.28339	3.1027	3.6454	3.43618	2.33387	3.76344	2.73444	2.42499	3.70947	3.81454	2.49856	3.63842	3.40389
DLG3	7.19309	7.17072	7.18309	6.83226	7.03026	6.84248	6.75273	7.17445	6.47024	7.14925	6.55289	6.54142	7.10453	7.18675	6.81648	7.08123
DLG3-AS	4.3226	3.71031	5.13395	2.75974	4.77676	3.5373	4.47708	2.49961	5.14293	4.78392	3.8925	4.44009	4.60192	2.70047	5.07857	4.69252
DLG4	4.62832	3.49924	4.08647	3.33011	4.37306	3.64739	4.27128	4.40173	2.8652	4.30558	4.36302	4.61592	4.58043	3.7385	4.08349	3.63292
DLG5	8.23823	8.15253	8.03137	7.68328	8.03741	9.29927	8.61815	7.97191	8.04669	8.38789	7.43628	8.05282	7.48191	8.27148	8.15161	8.09031
DLG5-AS	4.45614	4.54145	5.40753	5.16547	4.36139	4.62927	5.17834	4.35974	5.24618	4.72569	5.53516	5.22028	5.44837	5.28021	4.77152	4.53734
DLGAP1	4.66973	4.59074	4.51349	3.6301	4.87525	4.85029	4.25308	4.32759	3.82301	3.42499	3.10475	4.12203	4.00838	5.25428	4.50567	4.75885
DLGAP1	6.48263	5.72779	5.29895	6.08299	5.50113	5.24588	4.73656	5.89038	5.2505	5.46277	5.1794	5.93008	5.8509	5.15634	5.82355	6.37229
DLGAP1	2.99228	1.27177	2.19105	2.32386	2.41329	2.47462	2.33731	1.76515	4.10117	2.29306	2.02586	3.02599	2.30303	1.4697	2.17636	2.08493
DLGAP1	4.39081	3.54594	4.7747	4.31831	4.24744	4.33243	4.6921	4.07245	3.95837	5.03122	5.47955	5.07091	1.86408	4.17756	3.04901	5.55587
DLGAP2	2.95885	4.64669	3.67852	4.11186	5.049	3.60881	4.51282	3.77125	3.77469	3.25775	3.47163	3.78731	4.124	4.54176	3.76414	3.59667
DLGAP2	3.22144	3.73984	1.19537	3.15929	2.68714	2.11228	1.91146	2.21132	2.13825	2.72148	2.91487	3.07028	2.49591	2.68036	2.7465	2.22886
DLGAP3	3.06503	2.01809	2.14348	2.06899	1.84689	1.90997	2.15094	2.21132	2.73661	2.19868	2.27492	2.95936	2.66449	2.48051	2.3168	1.98412
DLGAP4	6.43957	5.78435	6.42156	6.43673	5.9177	6.71311	6.73292	6.54757	6.2399	6.62196	5.4471	6.66911	6.19092	6.29956	6.12673	6.10669
DLGAP5	6.75043	8.1136	7.03561	6.92674	8.75124	7.09584	8.49106	8.79141	7.67469	5.19273	9.02815	7.64528	8.7324	7.54261	8.25013	8.84532
DLK1	6.2017	5.20347	5.117	5.47164	4.88484	6.31876	5.51756	6.49184	5.17323	6.11067	5.62589	5.12521	5.0536	5.78319	5.63452	5.2999

DLK2	6.77644	4.51165	4.48486	4.17431	4.47054	4.17971	4.08418	3.90071	4.7581	4.86372	4.21854	7.45606	5.0263	4.48643	4.33642	3.45478
DLL1	5.50579	4.10052	5.51033	5.8566	4.20918	4.542	3.09284	3.6839	2.74824	3.79888	4.53599	4.10334	5.33811	4.93197	4.54258	4.08953
DLL3	4.50367	4.79653	5.21072	4.88154	4.85735	4.59074	5.10272	4.89629	5.14689	5.19477	5.11589	4.30874	5.03733	5.1579	5.0052	4.81438
DLL4	3.11441	4.2136	3.75788	2.98748	3.01001	3.99153	4.6631	4.56358	3.95837	5.39029	3.76737	2.69934	3.93646	3.57546	3.99153	3.75027
DLST	7.06455	7.67979	7.14173	7.14464	6.80751	6.68791	6.85126	6.99654	6.73451	7.25116	7.48872	7.46114	7.69052	7.46847	6.80673	7.1525
DLX1	4.43512	4.27418	4.59589	4.39335	4.13002	4.60222	5.23232	4.23043	3.88359	4.33331	4.3268	4.06288	3.44149	4.37264	4.42603	4.02162
DLX2	3.62944	4.04706	3.57397	4.09395	4.11056	3.32605	3.89385	3.5404	3.89312	4.35335	3.07162	3.80262	3.04679	4.39832	3.66538	3.58474
DLX3	2.21029	3.4933	3.04356	3.80706	5.31915	3.57327	4.73921	5.30554	4.56553	4.02075	5.46456	5.03733	5.13767	5.62497	2.86345	4.07003
DLX4	4.05647	4.25692	4.40686	4.15877	4.61408	4.18267	4.22943	4.31151	3.95155	3.95264	3.68057	4.50253	4.35831	4.16421	5.03203	4.09669
DLX5	3.20944	5.19457	3.30294	3.36292	5.64806	5.77406	6.22443	3.53745	3.17124	3.20323	1.79233	1.73861	4.25636	6.35027	2.1886	8.23238
DLX6	2.88387	3.30564	3.1074	3.37829	4.44564	3.47059	4.41344	3.19822	3.33967	2.18059	3.38408	3.25706	3.74494	3.91728	4.13607	4.89951
DLX6-AS	6.55352	6.80656	6.59103	6.57951	6.31843	5.70543	7.18784	7.2551	6.48855	6.37606	5.80858	6.11714	6.46809	5.95512	6.68462	9.90542
DMAP1	5.29504	3.66604	3.25331	4.19971	5.41899	3.09851	3.86818	3.58474	4.37613	3.95892	3.93813	6.46024	3.23246	5.93176	4.30494	3.90548
DMBT1	11.7283	8.60559	9.27221	8.16657	6.50348	6.87781	6.55687	6.93638	5.63875	12.8527	7.69081	5.74275	6.77034	6.91366	6.41977	6.56733
DMBX1	3.38024	4.93789	4.08953	5.5524	5.90098	2.69944	2.23396	5.59748	4.13584	4.77152	2.24458	2.63249	5.01701	5.47686	3.10868	5.21721
DMC1	3.21664	3.18543	3.4402	3.36453	3.3448	3.75319	3.56706	3.42499	3.00817	2.70506	4.43979	3.75654	4.09007	3.26885	4.41154	4.28137
DMD	6.21912	5.51774	6.15028	6.21679	6.65858	6.74597	7.43307	6.61328	6.03545	6.6437	5.56699	5.8392	7.19009	7.01379	7.02998	7.43279
DMGDH	5.10517	4.33627	4.25775	3.56014	3.19351	4.10188	4.44321	4.1352	3.98985	3.95155	3.8951	4.42618	3.77935	4.53186	3.22144	4.40257
DMKN	8.48679	7.85877	6.10036	7.96606	5.9748	6.3977	7.83248	7.38734	7.10136	7.95978	8.48257	7.95239	6.2245	6.73699	6.493	7.30333
DMP1	2.54096	2.06965	1.54445	2.26908	1.22969	1.65518	3.17599	3.39175	2.2085	1.09002	2.00313	1.92303	1.7041	2.76215	1.8671	2.02257
DMPK	3.9012	4.3118	3.56378	4.17869	5.87081	5.67397	5.95579	4.71235	5.49659	5.0536	5.54756	5.38724	4.01749	5.08574	6.07655	4.42817
DMRT1	4.93295	4.81915	5.36371	4.97034	4.17502	4.38727	3.47278	3.66599	4.9433	3.3263	4.92635	5.17769	3.80685	3.29459	4.48521	4.7575
DMRT2	7.75853	6.68524	5.51616	6.48665	5.57103	5.58837	5.75322	5.76238	5.40569	6.44926	6.08811	5.55954	5.79724	5.93772	5.10517	5.30442
DMRT3	4.05558	3.27793	4.37039	3.5606	4.307	4.26048	3.67803	3.14542	3.24321	3.86449	3.27163	4.04407	3.51466	3.2892	3.88359	3.73135
DMRTA1	3.29685	3.47417	3.42172	3.52553	3.30882	3.6993	3.50564	3.34245	3.2065	3.46275	3.38676	4.10127	2.88174	3.26302	3.17223	3.44273
DMRTA2	8.35151	7.09849	6.65672	6.45625	8.02057	7.96312	6.89051	5.57879	6.98972	4.70881	6.46817	8.62416	8.37877	7.45385	5.70636	5.84548
DMRTB1	3.11441	3.13884	3.86957	4.0617	4.79167	4.20319	4.01749	4.28482	3.50839	4.83052	3.82034	4.94936	6.09492	3.9712	3.67604	3.27231
DMRTC2	5.22546	5.64632	5.15361	5.22998	5.26406	5.36175	5.42833	5.78799	5.81758	5.92806	5.67961	5.57585	5.21928	5.77688	5.76895	4.59445
DMTF1	8.85614	8.69038	9.08563	8.48009	9.38055	9.12731	8.58691	9.0805	9.07661	9.36362	8.51396	8.80936	8.71164	8.18597	10.0218	9.7224
DMTN	6.39845	6.96054	6.43167	6.84156	6.50348	6.48699	7.32841	6.6651	6.80853	6.22203	6.1103	4.66581	6.20745	6.82376	6.81089	6.80078
DMWD	5.2705	5.37151	5.67314	5.1722	5.11456	5.56822	5.64645	5.38217	5.18845	5.48731	5.37537	5.36209	5.45373	5.45803	5.38032	5.24859
DMXL1	7.46963	7.35274	8.01193	7.49883	6.9363	7.96606	7.62433	6.80664	7.72291	7.80696	7.10887	6.29956	6.91622	7.07623	7.16078	7.22016
DMXL2	5.43789	4.60609	6.23761	4.95701	5.32055	5.10724	4.54034	5.07305	5.67243	5.31712	6.52147	4.80207	5.03287	5.03866	5.38359	5.18133
DNA2	6.1559	6.05559	6.52222	4.19971	6.37502	5.90007	5.47555	6.43834	5.52833	5.6662	7.14475	5.92467	7.51214	7.0306	6.70223	7.72407
DNAAF1	7.08097	6.97459	5.52984	5.64861	5.02637	5.35585	5.43842	4.86237	5.08461	5.40205	4.71459	5.28109	4.86411	5.47514	4.56991	4.77406

DNAAF2	5.67305	5.25716	2.3147	5.00785	6.41319	4.89942	5.59967	5.42199	4.7581	4.94262	5.60346	4.14691	4.4044	5.63022	5.74666	6.63225
DNAAF3	8.43209	6.65129	2.75954	6.85717	2.61273	2.99117	2.90726	3.31083	5.58265	2.34717	4.65546	5.46025	1.97096	2.16332	2.63378	3.5127
DNAH1	4.99814	4.95287	4.70611	4.83886	4.87602	4.83125	4.57516	4.91834	4.64769	4.82516	4.62927	4.71779	4.42144	4.67557	4.71667	5.05469
DNAH10	7.52876	6.92873	6.57951	7.19222	6.27322	6.61079	6.00079	6.72068	6.00192	5.61166	6.46676	6.77427	6.30501	6.32459	6.19263	5.86456
DNAH11	3.35869	3.56531	4.10165	4.72271	3.62262	4.70184	4.67416	4.29221	4.96585	4.62999	3.21409	3.23061	3.78181	3.83303	2.63378	4.49847
DNAH12	6.30374	5.61854	4.14769	5.68112	4.17126	3.73135	4.44253	5.06115	4.9024	3.76344	3.98331	3.8854	3.13257	4.35078	4.92635	4.39244
DNAH14	3.12496	2.50365	3.47903	3.0912	3.04435	3.19767	3.51074	3.34753	3.03103	2.731	2.90619	2.21379	3.27248	3.48483	3.10068	3.60386
DNAH17	4.26138	4.28727	4.15245	4.49714	5.67141	3.91452	5.80924	4.84059	4.60121	4.53734	4.06116	4.08829	5.5775	3.27163	4.33825	3.77935
DNAH17	5.17869	5.12193	5.1255	4.65451	5.13936	4.36427	2.70047	4.70767	5.57542	4.97739	5.31194	5.22251	3.58948	5.62176	4.85844	4.79956
DNAH2	7.11301	4.93625	2.91008	5.54064	3.08321	3.31445	3.67122	4.31281	4.20319	2.94585	3.04121	3.09384	3.25646	3.40444	3.90071	3.31445
DNAH3	5.8358	4.84626	4.4644	4.83015	4.2436	4.3125	4.92674	5.15403	4.31815	4.74464	4.78042	4.8391	4.69665	4.76263	5.29857	3.73197
DNAH5	8.37808	5.13074	5.0817	6.61115	4.93738	5.41506	5.24301	4.76796	5.44823	5.33633	4.87875	5.59041	5.18587	4.51778	5.40993	4.88397
DNAH6	5.09145	4.39872	4.2296	4.83215	4.51765	4.49127	4.42688	4.82646	4.45148	4.44812	4.80845	4.20167	4.20237	4.69778	4.69482	4.26297
DNAH7	6.42945	5.75211	5.28882	6.18578	5.57398	5.38359	6.47995	4.88779	5.62694	6.00043	5.27276	5.63345	5.74889	5.53362	6.12395	5.86024
DNAH8	3.94748	4.49731	4.83036	4.19106	3.83175	4.24599	3.76501	4.26669	3.97161	4.02075	3.82899	4.20947	4.69821	5.23003	3.68625	4.50598
DNAH9	7.92262	6.07712	5.1356	6.37294	5.17403	5.12521	4.66132	5.01962	5.09531	3.01775	3.66884	5.64395	5.50341	5.66075	5.51869	3.52747
DNAI1	7.87198	6.37294	4.59815	6.99189	5.33606	4.98037	5.2242	5.00457	5.80567	4.48323	5.58936	5.44553	4.42968	4.76747	4.35054	2.88071
DNAI2	9.19438	7.85642	6.42644	8.30299	5.6132	6.84551	6.67871	6.71555	5.92461	5.47673	5.11909	5.74655	5.0546	6.61862	6.34726	6.25347
DNAJA1	9.95652	9.35525	10.4318	10.2856	10.9164	9.88457	10.2771	10.5619	10.1183	9.75979	10.4519	9.55947	9.57255	10.7696	9.85932	10.8755
DNAJA2	8.74347	9.27726	8.79808	8.77851	8.98666	8.87038	9.09062	9.28374	8.93431	8.66033	8.8861	8.70076	9.0096	9.30484	8.72521	8.63124
DNAJA3	8.24933	8.37378	8.15735	8.33807	7.97233	8.71012	8.13908	8.09882	8.09695	8.42795	8.49182	8.91763	8.40497	8.70149	8.25798	8.40549
DNAJA4	6.79447	6.51878	6.49429	6.10444	6.11077	5.59711	6.39199	5.03513	5.82484	4.69181	6.12693	5.85076	4.74575	6.30374	5.36688	4.6913
DNAJB1	8.16657	7.91786	7.7461	7.91692	8.56106	7.5305	7.93391	7.49699	8.8365	8.10408	8.40722	8.18359	6.633	8.68454	7.71385	8.06265
DNAJB11	8.68694	8.74983	9.85932	9.5431	9.07607	9.18052	9.02909	9.26491	9.50044	9.85721	9.54485	9.44547	8.44434	8.62685	9.12606	8.90205
DNAJB12	6.75235	6.94762	6.68352	6.33549	6.36458	6.44083	6.54472	6.36329	7.07841	7.04341	6.54628	6.4034	6.16356	6.82553	5.84978	6.19482
DNAJB13	8.26876	7.05859	7.40525	7.98837	6.86948	6.62374	6.83139	7.71853	6.93931	7.32805	3.68444	7.17933	6.83528	7.01917	6.776	6.71337
DNAJB14	7.54686	7.11008	8.56997	8.04702	7.57994	7.88003	6.68097	7.34135	7.42114	7.1549	7.64142	6.89588	7.4042	6.9116	7.75334	7.67409
DNAJB2	9.8453	9.00702	9.32986	9.09601	8.20121	8.84184	8.76046	8.47096	8.60686	9.50044	8.14808	8.64714	7.74711	8.68694	8.38509	7.94787
DNAJB4	6.95233	5.80882	6.09555	6.29386	6.50664	6.50632	6.63615	6.81149	6.67094	6.70631	7.04806	6.21634	6.45608	5.63564	6.815	6.0709
DNAJB5	3.23195	4.04773	2.66077	4.2981	3.74494	2.83106	2.17298	2.65667	4.05064	4.28639	3.57809	3.04006	3.07918	3.65448	3.21037	4.35008
DNAJB6	6.50827	6.74395	7.03311	6.86253	8.73982	6.72253	8.28862	7.46636	6.82826	7.08361	7.76128	6.87105	7.80571	8.5288	9.64158	7.79893
DNAJB7	2.27273	1.9808	4.96449	4.66023	4.9083	2.83735	5.13757	3.02948	3.04535	3.26858	2.79035	2.41615	4.01206	4.15245	3.10868	2.34348
DNAJB8	5.7287	6.0682	5.15888	4.2727	5.31676	3.5856	6.24397	6.11122	5.85541	5.42236	5.23391	5.10586	5.42528	6.28749	5.26485	4.67059
DNAJB8-	2.47437	1.7774	1.95191	1.73098	2.83544	2.81599	2.3531	2.98628	2.18568	3.25068	2.38828	2.13113	3.03764	2.54935	2.6136	2.53538
DNAJB9	7.18281	8.16792	9.22028	8.65698	7.95378	7.50734	7.04952	8.0941	8.11439	9.2077	7.392	8.234	7.44372	7.24802	8.49182	7.65366

DNAJC1	9.15245	9.02178	10.2341	9.29432	7.28538	9.02178	9.28645	9.51986	9.40267	9.25237	8.42381	9.86158	8.38687	8.36242	8.55042	8.29921
DNAJC1(	7.45743	7.06607	7.23093	7.36476	7.94787	6.75235	6.82903	6.77193	7.07369	8.51258	6.78137	6.51724	6.31108	6.3496	7.14258	7.1855
DNAJC1	6.0536	5.70234	6.59734	5.68639	6.62122	5.91675	6.59531	6.37144	6.48757	6.5687	6.69536	6.12018	6.5302	6.71311	6.01124	6.36872
DNAJC1	6.85834	6.66401	6.71089	6.5982	6.05425	5.67141	5.68975	6.39352	5.47786	6.61156	5.35346	5.60339	6.57151	8.17292	5.26369	5.69813
DNAJC1	4.4107	4.87977	5.23955	4.08647	4.56504	4.72569	4.40807	5.82384	4.88534	4.73058	4.73058	4.50759	4.60347	4.95609	4.94242	4.69843
DNAJC1	6.69058	6.76064	6.59422	6.56339	5.39264	6.18631	6.55613	5.55428	6.25904	6.85861	6.67139	6.32837	6.60496	6.85993	6.27962	6.85041
DNAJC1	7.54909	8.17338	8.61036	8.24826	7.3755	7.98728	8.28729	7.97364	7.34643	7.59643	7.5216	7.62114	8.40249	8.07048	8.24425	8.61308
DNAJC1	5.72712	5.98632	5.75357	5.81078	5.58265	5.57947	5.57304	6.04001	5.68425	5.4737	5.34717	5.34452	6.13292	5.87762	5.96804	5.72103
DNAJC1	3.0835	1.74177	2.61382	2.72117	3.07162	2.60961	2.63794	2.55884	2.43603	1.87612	1.87674	1.41969	2.2085	1.97057	2.67357	2.82844
DNAJC1	6.39736	6.51384	6.00927	6.50774	6.24681	6.29584	6.33134	6.21106	6.33025	6.47995	5.88049	6.27603	5.98632	6.57748	6.27109	6.01189
DNAJC1	7.90554	7.9568	8.11228	8.60654	7.78045	8.41793	7.7389	8.11184	7.84964	8.4084	7.99279	8.36919	8.61511	8.05054	7.59473	8.25743
DNAJC2	4.80964	5.0859	5.92675	5.34643	5.26572	5.26984	5.71298	5.46967	6.05326	5.04051	4.8294	5.01734	5.25162	5.15041	5.59711	5.43626
DNAJC2	5.05601	5.34251	5.96305	4.85029	6.4066	5.55587	5.95253	5.53539	5.78927	5.61194	5.74555	4.92151	5.50058	5.48278	5.7957	5.43429
DNAJC2	6.35963	6.00906	5.1023	6.03826	5.03667	4.31963	4.46232	5.34279	5.21626	6.33105	5.4529	5.59535	4.6913	4.86845	5.62571	5.53553
DNAJC2	6.55527	7.49325	7.77998	6.60053	7.90707	8.02241	7.59162	6.64772	7.09595	6.59764	6.21634	5.94675	6.54728	7.30238	7.20976	7.24097
DNAJC2	4.34691	5.16359	4.39426	4.95609	4.35656	4.86826	4.86016	5.0616	4.60263	4.41729	4.05184	5.09531	4.1225	4.78069	4.61634	4.75459
DNAJC2	2.08404	3.46411	2.8391	2.28551	3.46884	2.27957	3.2194	3.50531	2.83517	3.5256	2.88166	3.45239	3.12086	3.46534	3.38625	2.51437
DNAJC2	5.14061	5.75283	5.72572	5.65354	5.14982	5.01785	4.97071	5.45391	4.78164	5.34336	4.50609	4.61373	5.47001	6.08974	4.71569	5.60896
DNAJC3	7.49429	7.43362	8.45141	7.15085	5.7106	6.77172	7.268	6.20708	6.99729	8.62967	7.42868	7.00686	6.27938	6.66476	7.27347	6.01927
DNAJC3-	4.68296	4.66213	4.41868	5.83966	5.38965	5.24833	5.34019	4.41044	4.17188	6.16168	4.57415	4.97169	5.13607	5.5628	4.79343	5.00206
DNAJC3(	5.07516	3.93642	4.90488	4.11944	4.25396	4.73716	4.70708	3.68688	4.56051	3.76082	3.33153	2.89196	3.89796	4.15633	4.2296	4.17313
DNAJC4	5.82161	5.97567	5.85017	5.96127	5.39128	6.16738	5.51925	5.26966	6.19553	6.36493	5.72153	6.20321	5.71535	6.15932	5.55384	5.77873
DNAJC5	7.15001	6.30689	6.00283	6.33858	6.438	6.49817	5.89665	6.62636	7.04952	7.50291	7.45093	6.5162	6.39352	6.79474	6.80229	6.13194
DNAJC5I	6.92124	6.8987	6.69244	7.58702	6.85738	6.3757	7.10709	7.52405	7.90795	6.94552	6.47493	6.28732	7.84604	6.67496	6.69495	7.35822
DNAJC5(	6.41673	6.29666	6.52767	6.15904	6.52859	6.2132	4.67019	6.66328	6.20242	7.20976	6.7287	6.81884	6.38109	6.92393	6.61115	6.35218
DNAJC6	4.58508	3.91906	4.34027	4.61091	4.35703	4.91088	5.80567	5.03802	3.78772	4.74277	4.80874	4.27343	4.05284	4.2698	5.10469	2.66487
DNAJC7	6.15893	6.95257	7.1565	7.29217	7.04441	6.81608	6.432	7.1503	6.97815	6.1966	7.35698	6.99419	7.68215	5.86299	6.86032	6.43573
DNAJC8	7.82975	7.99805	7.50769	8.31666	7.82021	7.71776	8.50367	8.20702	7.68599	7.2685	8.17252	7.5753	8.32985	8.02161	8.21397	7.80077
DNAJC9	6.4057	6.63893	6.79643	6.49857	6.68097	6.76752	6.13935	6.59465	6.51364	6.11511	7.64614	6.59622	6.91463	6.77618	6.94672	6.24425
DNAJC9-	7.44394	6.84862	7.27645	7.2057	6.61977	6.96782	7.34597	7.12168	7.35723	7.53361	7.25783	6.75243	7.27362	7.17117	7.02103	7.3119
DNAL1	7.20098	6.8226	5.64319	6.79262	6.21045	4.95002	5.43894	5.93821	5.20552	4.42755	5.7212	4.6811	6.06992	5.86603	6.08811	5.60407
DNAL4	8.27019	5.89886	5.04788	6.46539	5.22268	2.89716	5.14682	3.23218	2.58986	4.83052	3.3963	5.14665	6.44006	7.12611	5.5579	4.21547
DNALI1	8.82383	7.37167	4.86214	8.13992	3.93432	5.01929	2.37737	3.68581	6.3799	6.40096	3.2995	6.03981	2.61385	3.70202	2.97179	3.46064
DNASE1	4.94373	4.62754	4.93015	4.90711	5.06033	5.05748	5.23078	4.50783	4.92092	5.12847	4.84118	4.96449	5.0199	5.14478	4.95585	5.43465
DNASE1	7.40507	8.15363	7.79368	7.28271	7.50393	7.55413	7.06265	8.1107	7.7281	7.66548	7.24339	8.20643	7.89659	7.21202	7.85599	7.82907

DNASE1	3.19594	2.13825	3.5252	3.04143	4.73788	2.67969	3.35187	3.37974	4.06977	2.63576	3.50469	4.77116	2.66449	3.01384	2.65173	3.31065
DNASE1	5.879	7.58542	7.00962	7.30509	5.08822	7.53449	5.60533	7.13054	7.54909	5.53943	6.48665	6.50559	6.10182	5.85398	5.7047	6.52278
DNASE2	6.41801	6.72068	6.52589	6.56076	6.71337	5.95444	5.84601	6.33496	6.86383	6.68374	6.93247	6.92873	6.48794	6.94902	6.58127	6.33721
DNASE2	3.82982	1.58173	3.04356	4.26515	3.64173	1.4697	4.95143	3.0093	5.31338	3.07203	5.29857	2.66471	4.53653	4.54858	2.49591	2.36473
DND1	7.22695	6.71005	6.69985	7.25934	6.62353	7.2634	7.48739	7.33872	7.30197	6.84318	7.39456	7.1349	7.29639	6.86138	6.5801	7.03744
DNER	8.17116	7.02785	6.91863	7.84487	5.49591	5.049	6.08225	5.83892	5.81758	8.15536	5.05683	5.18766	5.87302	5.67243	5.24336	6.51546
DNHD1	4.42191	4.40173	3.1863	3.95889	5.05302	3.96071	5.40291	5.05825	4.54546	5.28311	5.03287	4.06738	4.69083	4.31266	4.75355	5.03513
DNLZ	6.16827	5.82956	5.74555	7.27416	5.85581	6.07317	4.80946	3.52249	5.36067	5.56093	6.96263	8.6757	6.28592	5.33833	6.57691	6.44565
DNM1	5.18283	3.30026	4.6173	4.58019	4.31232	4.58019	4.08418	5.70528	5.81758	6.85041	4.51495	3.91935	3.60262	4.6285	6.63586	3.4643
DNM1L	6.62723	6.00833	5.73271	5.71193	6.95695	5.69415	5.97448	6.17984	6.03389	5.66845	5.96804	6.10612	6.58818	6.52082	6.67173	6.21138
DNM1P3	5.48692	4.45523	5.17033	5.76588	6.05522	5.97064	4.4903	5.05573	6.63155	6.20299	5.98199	5.60425	6.25888	6.76434	5.95988	7.08361
DNM1P4	1.79935	1.9808	2.14348	1.85049	1.48455	2.03544	1.37571	1.14774	1.69898	2.38782	1.54854	1.63685	1.7762	1.97057	2.84494	1.70353
DNM1P4	4.12999	3.79628	5.24098	2.77414	3.87693	3.6144	3.97251	4.25669	3.71298	3.99153	4.33293	3.51602	2.59488	4.1099	4.22367	3.24808
DNM2	3.86719	4.04793	3.81207	3.41818	4.25148	4.32142	2.65839	2.68598	2.72712	3.27608	4.19207	5.23607	3.8513	4.37463	4.60801	4.04587
DNM3	4.21035	4.02106	5.88435	4.81597	6.75866	5.8392	5.2156	5.24965	4.64846	4.8875	4.8578	4.77053	4.77367	5.68112	6.51914	4.93183
DNM3OS	4.72556	4.2448	4.52549	3.58832	6.02133	4.19043	3.72561	4.76709	3.70705	4.76643	5.40895	3.82111	3.74247	3.63476	6.23742	4.85998
DNMBP	6.46142	5.31582	5.72892	6.63345	6.19375	6.92733	6.40146	7.01699	5.6566	3.55696	5.49101	5.44722	5.91158	6.03781	6.70297	5.52883
DNMT1	7.75653	8.34556	8.10472	7.94808	8.27118	8.27019	8.62766	8.08617	8.07963	7.03405	8.52003	9.23884	8.45121	8.64669	8.16199	8.53743
DNMT3A	6.98119	7.25848	7.2075	7.03494	7.28649	7.19487	7.30834	7.7273	7.61253	6.95677	6.77758	7.14258	6.9764	6.88011	7.50471	7.40123
DNMT3B	6.97736	7.28271	6.54075	7.10208	7.07445	7.03506	7.10564	6.50736	7.11159	6.93556	7.7642	7.31545	7.56047	7.00363	7.28998	7.41188
DNMT3L	3.4567	4.00768	4.03231	2.83422	5.94464	3.95264	4.49757	7.62696	3.42477	3.13394	5.66728	3.32466	3.91647	4.81617	3.83184	3.82034
DNPEP	7.27807	7.64471	7.58232	7.19036	7.40347	7.5386	7.96005	7.45295	7.73538	7.41816	7.79105	8.39851	8.02589	7.91179	7.82061	7.75974
DNPH1	6.93297	7.62671	6.14973	7.3133	5.07507	6.66869	5.23211	5.5016	6.36706	7.22255	7.01967	7.76259	7.33374	6.73634	5.13733	6.404
DNTT	4.62733	4.47624	4.94868	5.64894	5.29878	5.01906	5.49464	4.89893	4.92736	4.82646	4.43516	5.09878	5.13036	5.56185	5.11171	5.48353
DNTTIP1	5.27941	4.8435	5.06142	6.50474	5.56444	4.96694	4.30829	4.45689	4.62788	5.01495	5.96714	5.65057	4.84059	6.89428	4.50274	4.12015
DNTTIP2	9.23091	9.23192	8.92427	9.16537	9.52648	9.14235	9.43176	9.80078	9.52327	9.26363	9.29827	8.66913	9.1358	9.16584	9.16853	9.25598
DOC2A	5.76629	4.78923	4.19503	4.98208	5.29145	5.37627	4.43758	6.28503	5.00335	3.53934	5.02998	5.98264	5.61659	4.78265	3.96629	5.89863
DOC2B	6.22022	6.18762	6.45583	5.55949	6.05522	6.33957	6.21754	6.45211	6.70719	6.84064	6.67513	6.42714	6.65491	6.38946	6.26834	6.31186
DOCK1	4.90904	5.17108	4.80207	4.75654	5.16507	5.53716	5.39993	5.85168	5.28699	4.52489	5.30704	4.10591	5.01537	4.67215	5.44628	5.11553
DOCK10	2.99312	5.06097	5.68843	6.3978	6.61115	5.95703	5.30066	5.32521	5.9554	3.39387	5.87547	4.53909	5.67007	5.18234	6.12151	5.65403
DOCK11	5.01929	5.99707	5.96999	5.56557	5.52965	5.87061	5.63274	6.01754	5.14578	5.58141	5.35251	5.7418	4.72447	4.90301	5.40356	5.6019
DOCK2	4.63315	5.61352	5.49685	5.34065	5.46805	5.60235	5.10247	5.51437	5.61052	4.64127	5.82355	5.62045	4.9654	5.72828	5.2705	4.87118
DOCK3	4.90477	5.37077	5.17427	5.37911	5.60384	3.98206	4.71726	5.43004	3.55701	5.95178	5.27788	5.94601	5.66827	3.90216	5.21162	5.46062
DOCK4	6.26293	5.363	5.94675	5.1686	6.85927	5.46554	7.17515	6.10066	6.27523	6.1613	7.12681	6.235	5.78051	6.44513	6.66929	6.44702
DOCK4-A	0.82494	3.11174	0.93298	1.00034	1.11444	0.11027	0.93298	3.19037	1.69898	1.43866	1.87674	1.94688	1.7762	1.21564	2.52969	1.66002

DOCK5	4.814	4.59162	4.79283	4.80647	4.32396	4.50899	4.86734	4.76031	4.72417	5.05799	4.62359	4.44278	4.20503	4.38442	4.47552	4.65312
DOCK6	5.15109	5.00815	4.81066	4.60609	4.70968	5.14578	4.96284	5.02124	4.21305	5.05825	4.86471	5.03836	4.94776	5.33971	4.63956	5.23799
DOCK7	6.23366	6.60329	6.3105	6.92033	7.38189	6.46531	6.4969	5.84879	5.4188	6.63097	6.51546	5.74805	6.71005	6.25418	7.19373	7.27438
DOCK8	5.74722	6.69536	7.68328	7.14735	6.86998	6.66446	5.73855	7.32145	7.44207	6.62321	6.99781	7.15085	6.32405	6.05602	6.42136	6.48339
DOCK9	5.47192	5.30672	6.24176	5.55129	5.21762	5.54035	5.38475	5.36435	5.06066	5.26618	5.42419	4.61847	4.79935	5.48642	5.17075	4.70238
DOCK9-A	5.78238	6.56076	6.86793	6.61706	6.14261	6.19774	5.00109	6.40325	5.8566	6.52891	5.9769	6.46461	6.15923	6.03535	5.61936	6.10048
DOHH	6.22295	6.17811	6.00176	5.49837	5.83661	6.21895	5.79778	5.82616	5.86541	5.75151	6.16109	6.93134	5.7151	6.23907	5.72497	5.46594
DOK1	7.07467	7.759	7.09122	7.17913	7.04499	7.17279	7.14791	7.81197	6.95299	7.01461	7.11527	7.74479	7.02213	7.3695	7.13187	7.24262
DOK2	6.97352	7.56618	7.79666	8.30517	7.44148	7.27062	7.20671	8.33735	8.08673	7.51025	8.04926	8.53486	8.18753	7.40109	7.85896	7.50788
DOK3	4.96649	5.8916	6.12575	5.10272	5.61012	5.30623	5.17437	6.09492	6.38544	5.61241	5.49916	5.84069	5.85971	5.54715	5.53215	4.99358
DOK4	5.30804	4.78238	4.02452	4.42735	4.44493	4.2696	5.14525	3.99805	4.28309	4.59297	5.54137	4.97312	4.09979	6.20812	4.32396	4.70583
DOK5	4.84399	5.39542	4.70546	4.96673	6.17676	4.67533	4.79903	5.21484	4.67641	5.34567	4.93048	4.81041	5.48188	4.92049	4.81517	5.15336
DOK6	3.27696	2.60621	3.54873	2.75165	2.95705	3.75544	3.46252	2.92343	3.45622	3.16713	2.81309	1.98584	2.9174	3.43791	2.83262	2.87786
DOLK	7.44109	7.03941	6.87369	6.56661	6.92196	7.41816	6.42265	7.62033	7.1491	7.34263	7.03543	7.60091	6.66628	6.90674	7.13557	7.42275
DOLPP1	7.69565	8.21355	7.73431	6.6362	7.20856	7.0876	7.24157	8.45462	7.07881	6.78541	7.81112	8.20866	7.91358	6.55748	7.16207	7.689
DONSON	6.24408	6.78416	6.20579	5.68446	7.41022	6.85446	6.68966	6.97727	6.68462	6.52602	7.78837	6.34106	7.02068	6.41023	6.84334	5.83818
DOPEY1	7.26997	7.07057	6.99012	6.87735	6.93148	6.54549	6.53241	6.74706	6.16548	6.94003	6.50178	6.72233	6.68004	6.29048	6.27623	6.70243
DOPEY2	5.32288	4.18954	4.48738	3.05368	4.71588	5.15859	3.58197	4.87152	4.3419	4.52611	4.96515	3.62626	3.91425	4.4062	5.18508	5.38452
DOT1L	4.75563	4.92568	5.21721	4.96357	5.66719	5.13528	5.54441	5.79922	5.26572	4.9541	5.96113	5.78073	5.49487	4.27841	4.79767	5.42944
DPAGT1	7.80492	7.30147	7.67098	6.60156	7.22006	7.46725	7.02199	8.04821	8.15536	7.60168	7.84813	7.26885	6.90589	7.59643	7.10312	7.36846
DPCD	10.2374	9.00106	8.18266	9.80853	7.83323	8.45462	7.2851	8.32985	7.33255	8.48815	7.72559	8.71651	8.42298	9.62568	8.39497	7.9507
DPCR1	3.49162	3.26593	3.22812	4.28137	3.67528	4.05985	4.62508	3.32235	2.94501	3.16609	3.71826	3.93385	3.61047	4.14617	3.7958	3.47059
DPEP1	3.38024	4.11531	4.04694	3.31099	2.9933	3.93664	3.2194	2.98628	3.74437	3.55696	3.12278	6.62257	3.14193	3.73088	3.67604	3.29988
DPEP2	6.46994	6.81306	7.02942	7.05429	5.93782	6.95088	3.03237	5.30926	6.37272	2.98998	4.63208	4.76686	3.67703	3.73088	2.49591	3.84496
DPEP3	6.91463	6.88599	7.15001	6.91907	6.74791	6.42092	7.15193	7.19321	6.68243	6.71324	6.85446	7.19354	7.01141	6.48478	6.52311	6.88982
DPF1	5.14257	3.69048	4.76537	4.19473	4.04059	4.97871	3.94518	5.24722	4.92653	3.10219	4.82888	5.19867	4.79518	4.7048	4.69181	4.36086
DPF2	7.15338	6.81927	5.17844	6.80312	6.69878	7.83726	7.38166	6.02244	7.50218	6.10884	6.31734	7.80162	6.48318	8.32872	7.21191	6.14843
DPF3	4.53599	5.46907	4.70793	4.80292	4.80009	4.59043	4.60566	5.46207	5.3392	5.22818	5.60785	4.78796	5.37837	5.06667	5.23146	4.99067
DPH2	6.56531	7.34733	7.12158	7.16971	7.24855	6.35993	7.63825	6.68677	7.13775	6.63564	7.37944	7.34416	7.47457	7.04795	6.17169	7.55088
DPH3	6.87387	7.61008	7.23281	7.86001	7.57667	7.528	7.26761	8.30791	7.62114	6.72393	8.26769	7.12375	7.89872	6.8718	7.21604	7.91303
DPH3P1	6.18149	6.94306	4.65435	5.78951	4.13167	6.15606	5.63956	5.49524	4.46917	6.64577	5.10716	5.04593	5.77662	5.27844	4.12102	6.34228
DPH5	8.20539	7.91179	8.01247	8.40947	8.5194	8.4703	8.23881	8.46832	7.92662	8.36651	7.82614	8.07963	8.66141	8.95046	8.11898	8.27971
DPH6	4.90106	4.24993	3.76885	3.5082	4.45813	4.65737	3.43713	4.42191	4.77152	3.5613	4.82516	4.24541	5.03131	4.25015	4.89553	4.51419
DPH6-AS	2.81334	2.34474	2.42383	1.26539	3.07162	4.4649	2.06028	1.61881	2.79078	2.85867	2.3203	2.509	2.7752	2.59761	2.76084	3.96332
DPH7	5.06203	5.28694	6.08478	4.70214	5.70326	5.84889	5.77668	5.77447	6.63564	5.95512	5.54563	7.18028	6.72553	5.00109	6.6317	6.59992

DPM1	10.7017	10.794	11.063	11.2398	11.2633	11.1434	11.1496	10.9636	10.5076	10.46	10.9989	10.1456	10.9503	10.9503	11.1909	10.9279
DPM2	7.75205	8.04611	7.61148	7.20836	6.90431	7.42635	7.0576	6.3988	7.12474	8.13823	7.81141	7.80469	7.71496	7.71341	7.33163	7.51651
DPM3	8.79229	8.43507	7.90443	8.37525	7.20332	8.25743	7.52074	6.78063	7.34016	8.74907	7.92801	9.04808	8.36277	7.4001	6.58582	7.84223
DPP10	7.01068	5.87662	5.37093	5.46207	4.39851	4.97599	4.90633	5.50962	4.81824	6.57013	4.21854	4.78683	5.6564	5.00585	5.09413	5.08064
DPP10-A	7.31362	5.71111	5.32616	5.9814	4.71358	4.11531	5.54023	5.7457	5.06749	5.63576	5.17042	4.91796	3.7479	5.13618	4.88909	5.50582
DPP10-A	4.52618	5.14689	5.38651	5.60533	4.65407	5.85906	5.27542	5.1616	5.32306	5.47996	5.38244	5.74275	5.75502	5.57489	4.85535	5.63045
DPP3	7.83502	7.72407	6.80289	6.92986	7.9514	8.41119	8.40189	8.23129	8.89983	7.3146	7.86869	8.93712	7.98651	8.49504	8.8522	8.04543
DPP4	4.44205	4.38106	4.60972	4.20427	3.91161	4.20529	3.91275	3.82141	4.2448	4.2792	4.97617	3.72694	4.37155	4.32501	4.65818	4.09427
DPP6	4.67394	4.48242	4.86873	4.369	4.75221	4.44493	5.46967	4.4062	4.31674	5.36879	4.85088	5.71171	4.5785	4.57356	4.7818	4.14331
DPP7	7.99636	7.40489	6.92712	7.64872	7.4238	6.54672	6.39369	6.99895	7.78475	7.76765	7.04923	7.65751	7.65128	6.89505	6.8205	7.7665
DPP8	7.67544	8.08079	8.43209	8.27589	8.40648	8.55828	8.37808	8.82456	8.24601	7.99636	8.14368	8.02537	8.04077	8.154	8.49885	8.14808
DPP9	5.94701	6.14455	6.19649	5.87972	5.74785	6.36267	6.32164	6.50511	5.8211	6.01152	5.9294	5.77438	5.92409	6.1733	5.99847	6.03071
DPPA2	4.49797	6.41137	5.89942	6.54841	6.11965	6.12611	6.5815	6.71924	6.33819	6.56491	6.55245	7.0099	4.43617	5.95512	5.94761	6.11877
DPPA4	4.49604	5.28471	4.66213	5.1023	4.93688	5.49513	5.14127	5.52455	5.6018	5.50496	5.16375	4.91497	5.38784	4.70357	5.68688	4.91109
DPPA5	3.36587	3.00618	3.02585	2.61385	3.0533	2.48692	1.98828	2.731	2.53538	4.34627	2.6113	2.41615	2.23314	2.68036	4.45395	3.16144
DPT	7.43579	8.38509	8.74347	8.02016	7.92769	8.99568	6.56925	7.88327	7.94402	8.08808	6.54223	9.08658	5.67113	7.4188	8.23555	8.12106
DPY19L1	4.81291	5.33126	5.40272	4.82016	6.32837	5.73584	4.74336	5.28385	4.5638	4.22871	5.15859	5.53739	5.66638	5.71535	5.22796	4.87431
DPY19L1	3.79639	1.54402	3.0093	1.96731	3.0533	3.25596	2.27576	1.99703	2.5663	3.15532	2.6113	2.69934	2.5663	2.77311	3.6535	4.61957
DPY19L2	7.01338	5.13421	5.37333	5.40872	4.99102	5.05638	5.40444	4.45408	4.16919	5.99359	5.15216	3.93337	4.13607	4.24932	3.96263	4.54782
DPY19L2	7.97582	6.41264	6.18979	6.59981	6.64991	6.57554	5.81553	5.71747	4.87944	6.13152	7.11651	6.38874	6.12594	6.58393	7.5216	6.53759
DPY19L2	3.16429	1.71163	2.82464	2.50291	3.7606	2.79576	2.81469	2.37778	3.72995	2.31329	2.83774	1.80953	4.42745	1.64103	2.36623	5.36713
DPY19L2	3.59987	2.34474	4.15015	5.33258	3.24511	4.30395	3.2194	3.45352	4.01633	3.29126	3.88263	3.19844	3.03764	2.25724	3.91498	3.29988
DPY19L3	9.12067	9.05969	8.59487	8.31293	9.18833	8.64857	7.9514	7.95171	8.04873	10.5124	8.67903	8.27215	7.67948	7.89522	9.06239	8.3717
DPY19L4	7.82408	6.80517	7.51588	7.92556	8.48507	8.30721	8.5744	7.66179	7.43858	7.41057	7.49252	6.72785	7.70612	8.63946	7.98789	8.54327
DPY30	9.74441	8.77566	9.0751	10.2667	8.81989	9.31073	8.22001	8.1556	8.3403	7.86445	9.05286	9.62422	9.89872	9.39515	8.54689	9.32902
DPYD	4.94719	4.96429	4.95456	4.45311	5.467	4.59535	4.86538	4.79823	5.62362	4.62158	6.31279	4.44237	5.49001	4.32344	5.10669	5.15281
DPYS	5.82524	4.92195	5.73502	6.24835	6.41692	5.59785	6.91176	6.21452	6.38087	6.83126	6.51155	6.01474	6.62723	5.97749	6.53737	7.16382
DPYSL2	8.19059	8.8719	9.70802	8.93046	10.0953	9.35525	10.3298	9.22763	9.819	10.1842	9.82582	9.38055	8.98405	10.4548	10.3074	9.55408
DPYSL3	5.91315	5.64645	5.87687	5.48353	5.43256	5.52883	5.84449	5.46928	5.563	6.48172	5.38864	5.75308	5.09451	5.26908	5.35106	5.31338
DPYSL4	3.18522	4.4838	3.39606	5.17955	4.37224	4.19924	5.00871	5.03555	3.47019	3.50233	4.02634	5.1163	5.70437	3.92805	4.6316	4.68296
DPYSL5	5.95498	6.00079	5.29777	5.4645	5.08327	5.40727	5.97406	6.3741	6.09052	5.62022	5.89914	5.15683	5.85355	5.67035	5.85003	4.73241
DQ57009	7.95464	7.5206	7.86658	7.73849	7.67728	8.22559	8.54511	7.73311	7.63045	8.03799	7.27858	7.60416	8.1136	8.36439	8.37378	7.55846
DQ57083	6.19664	6.79839	6.56431	7.0099	6.68426	6.52891	7.24157	6.06626	6.50907	6.35206	6.38529	6.38464	6.80553	5.4874	6.15946	5.93331
DQ57680	6.37347	6.78968	6.71622	6.8336	6.02014	6.93659	6.21098	6.56965	6.70719	6.23123	6.05177	6.5954	6.41596	6.80682	6.39835	6.66358
DQ57699	5.88381	5.33296	3.35289	5.70866	4.68071	5.31609	4.90633	5.86281	4.43996	2.34717	4.98389	5.46197	4.77152	5.87473	4.87237	5.62746

DQ58084	3.35226	2.31976	2.75954	2.184	2.47594	3.01096	1.95222	3.13235	2.67969	2.85867	2.13586	2.97562	3.19903	2.09344	2.3168	3.29988
DQ58132	4.3226	2.18884	2.88071	1.33008	1.54197	2.76484	2.5047	1.14774	2.28837	2.63576	2.04035	2.2269	2.98256	1.4403	1.40126	1.32709
DQ58278	3.06503	2.51658	3.09945	2.61385	2.47594	4.39841	1.32308	1.83717	4.67119	1.49394	2.80891	3.25228	2.31554	2.77311	2.45708	1.85717
DQ58375	5.45637	5.67846	6.08811	5.63391	5.29145	4.56285	3.29192	6.68032	5.42436	5.71403	5.73705	5.31546	6.30778	5.87709	3.99153	4.10052
DQ58682	4.49101	4.53865	3.50622	6.0945	4.28189	4.25611	4.7616	5.61233	4.52735	4.5207	3.42769	4.60738	4.36086	3.62944	4.49946	4.42279
DQ58816	2.04089	2.29438	2.11428	1.00034	1.3442	2.07394	1.03884	0.97208	2.03262	1.28097	2.45719	2.13113	1.11444	1.27177	2.07498	1.21992
DQ59244	6.73301	6.29144	6.42401	6.55586	5.55298	6.92923	6.61966	6.81608	5.68926	6.72676	6.17866	6.20579	5.87597	6.83112	6.54946	5.94393
DQ59436	2.00108	2.01809	1.88755	2.184	2.39414	1.68859	2.20014	1.99703	1.18021	1.5458	2.75175	1.07852	1.7762	2.01506	1.74155	1.80953
DQ59961	5.87483	5.61501	5.82812	6.29525	5.80674	6.28689	6.18979	5.87608	5.90229	5.79724	6.14565	6.12073	6.35743	5.74649	6.28422	6.80168
DQX1	3.85425	5.60298	4.76219	3.91668	6.10396	5.88087	6.12515	5.60468	6.19667	4.80682	4.44278	5.1725	5.5025	6.07302	5.27341	5.57856
DR1	6.36658	6.90705	7.20295	7.12714	7.37305	7.16146	7.45894	7.59726	6.9573	6.59252	7.21428	7.46832	7.16167	7.25372	7.11908	6.95057
DRAM1	8.21557	9.27221	9.11792	8.00512	9.10606	9.6978	9.41817	9.39051	9.54173	8.31637	9.97305	8.9537	8.95954	9.23319	8.78506	8.93625
DRAM2	7.58677	8.44288	7.74011	8.13873	8.35464	7.58379	6.51724	8.15735	7.70063	7.83502	7.53607	7.91065	7.97085	7.69546	7.83639	7.62995
DRAP1	6.18447	6.92639	6.53878	6.92598	6.65491	6.45904	6.65474	6.66787	7.27645	6.31008	6.67581	6.02539	6.91213	6.93693	6.26973	6.54152
DRAXIN	2.95663	3.17289	2.71495	2.7835	3.11652	4.10904	2.99797	2.87957	2.91008	3.52145	2.42411	2.65551	3.56906	2.97978	3.38007	3.05176
DRC1	9.03764	7.08897	4.05393	7.81749	3.64173	4.56925	4.34027	4.30714	4.38384	3.37812	3.36559	4.86421	2.46016	4.13014	4.2981	3.03549
DRD1	4.90477	4.98706	4.80292	3.24321	5.17658	5.6174	5.08115	3.65408	4.9172	4.74589	5.15968	4.4643	4.65932	5.46025	4.14453	2.51437
DRD2	5.82241	4.54926	5.49338	5.30442	5.16837	4.90154	5.56646	5.30388	5.55712	4.94447	5.37887	5.82306	5.244	6.06525	4.70279	5.06815
DRD3	1.82037	1.25098	1.29724	2.34717	1.38056	1.50415	1.45473	1.10724	2.04785	1.38955	1.0625	1.51913	1.95461	1.46442	1.37145	1.75002
DRD4	1.19711	1.09002	0.71928	0.47227	0.34005	0.74252	0.75071	0.64273	0.36087	0.18982	0.24178	0.61335	1.63986	0.96901	0.33356	0.80062
DRD5	6.41673	6.10715	5.68265	6.0617	6.16635	6.41627	7.54516	6.93854	6.64301	6.0372	6.0104	6.96496	6.13739	6.96496	6.50257	6.71599
DRG1	8.98598	9.40713	8.83744	9.17096	9.71584	9.62568	9.34899	9.66243	9.65881	9.8453	9.66114	9.65609	9.83943	9.55522	9.33414	9.18711
DRG2	5.47514	4.68584	4.41563	3.67633	5.27116	5.08103	4.93048	5.67859	4.64669	5.03614	5.49524	6.15753	5.88125	5.29518	5.80686	5.65192
DRICH1	5.04828	4.33587	4.97201	5.20662	4.44653	5.339	4.97201	5.17955	4.46469	4.75459	4.16142	5.98534	4.9341	4.86934	4.65478	5.65551
DROSHA	9.26222	8.8365	8.60522	8.83478	9.33546	8.74814	10.4094	9.7059	9.09776	8.25368	8.45023	8.91327	8.48679	9.36543	9.52199	8.72336
DRP2	3.31714	4.72113	3.56237	4.87924	4.80597	4.51056	4.50459	4.67215	4.28461	4.72297	4.31542	4.1555	4.87555	4.31456	4.43096	5.06692
DSC1	1.70087	1.54402	1.85463	1.20944	1.73976	1.85868	1.91146	1.79233	2.47145	1.69907	1.74872	1.94688	1.22969	1.59381	1.31925	2.07548
DSC2	4.85948	5.05998	5.97567	4.75687	6.27576	4.17016	9.16853	6.68871	5.30292	6.26959	6.76443	4.97776	4.87152	8.19619	6.49857	5.32566
DSC3	4.9891	5.37003	4.91497	5.40071	7.88441	5.10572	9.62422	7.33842	5.51802	5.88887	6.90628	6.17117	6.28982	8.13873	8.19393	4.85246
DSCAM	4.99189	4.24238	4.60566	4.26324	5.49998	4.82016	5.02973	5.35251	4.79956	4.45365	4.05985	4.12984	4.72987	5.11832	6.28563	3.99122
DSCAM-	5.81304	5.94638	5.9687	5.79452	5.94464	5.66497	5.70528	5.61233	5.52833	5.6167	5.61441	5.7106	6.42316	5.96143	5.62497	5.78564
DSCAML	5.21531	5.1641	5.78904	4.62733	4.70118	4.64564	5.59792	6.06428	5.93172	5.99607	4.85376	5.33224	5.06404	6.2608	4.73171	5.40673
DSCC1	5.0859	5.96086	5.18671	4.874	6.39214	6.54955	5.91387	6.15674	4.98301	6.45687	6.34361	5.51334	5.71171	6.73182	5.94415	6.69863
DSCR10	5.09101	5.25952	5.46277	5.26002	5.37412	5.60785	5.81346	6.28889	5.57434	5.72052	5.50211	5.5459	6.0495	5.78133	5.76238	5.61655
DSCR3	4.2296	4.37334	4.71925	4.73171	5.89665	4.64707	5.13292	5.49711	5.89522	4.56297	6.38596	5.7957	6.30523	4.85735	4.98248	5.28791

DSCR4	2.40819	2.29438	1.97795	1.67907	1.60199	2.91286	1.85693	1.73724	3.19069	2.50603	1.67696	2.10229	1.7762	1.64103	1.97136	1.70353
DSCR8	3.5501	3.01952	2.11428	3.65448	2.94105	3.08198	3.53968	3.47335	3.25201	2.98998	3.76737	3.36359	4.41983	3.14828	3.17223	2.96003
DSCR9	5.67305	6.88783	6.73129	6.07272	6.24633	6.39462	6.4483	7.13257	6.23376	6.45045	6.06816	6.95764	6.4043	6.2896	6.6126	6.78628
DSE	5.22765	4.58067	5.52702	5.95754	6.02475	6.34657	6.68609	5.29518	6.22315	5.89586	6.19499	5.20903	6.30893	5.66719	5.38915	6.31723
DSEL	4.66	3.93204	5.16743	4.36607	5.49219	3.74192	4.78187	4.70017	4.94719	3.75986	3.64825	4.28848	3.02155	3.9222	5.56699	4.41908
DSERG1	7.35321	7.50028	7.09873	6.56474	6.42916	7.59947	5.94126	7.00783	6.33203	7.0261	6.80051	6.42879	5.11124	6.52767	5.98671	7.03856
DSG1	1.79935	2.94714	1.64561	2.85497	2.10233	1.73976	2.42155	2.81438	3.02333	2.50603	2.80891	2.79123	2.00801	2.44811	2.16493	1.77343
DSG2	6.36903	6.15616	6.30834	5.89265	6.75115	7.44541	6.51914	5.80739	6.53433	6.96496	6.16456	6.83673	6.75444	6.97441	7.38227	7.29046
DSG3	5.01135	6.15893	5.15683	5.74749	8.29809	7.06673	9.35952	5.92381	6.96741	5.37249	8.65925	7.33179	6.71275	9.02285	8.67455	7.14059
DSG4	0.9979	0.9589	2.70549	1.63196	0.6733	1.81697	1.49083	1.22235	1.39887	2.19868	0.90097	0.90097	0.35046	0.96901	1.81049	0.61335
DSN1	5.85355	5.79966	6.30551	5.61264	6.56458	5.15643	5.37804	4.78229	6.92337	5.89969	6.73466	5.48098	6.09071	5.46541	6.70223	6.43909
DSP	10.6273	10.3045	10.1516	10.0844	11.6143	11.1658	11.2633	11.2154	11.0928	10.3531	10.6686	9.82232	10.2398	11.1225	11.5856	10.9679
DSPP	7.93038	7.89638	8.2869	8.15026	7.32884	7.81934	8.00403	8.32786	7.8321	7.97333	7.47089	7.89891	8.07033	7.82119	7.62114	7.6371
DST	5.03866	5.18845	5.61959	5.22275	6.42486	5.35171	6.2399	5.10517	5.45118	6.28643	5.16659	5.40753	5.61554	5.78799	5.85888	5.19399
DSTN	7.96335	8.19393	8.6233	8.33093	7.90401	9.04465	8.91995	8.21907	8.28608	9.73529	8.16199	8.05925	8.44895	8.24208	8.04288	7.61148
DSTNP2	6.73699	7.59977	7.22388	7.01539	7.34628	7.5397	7.77079	7.12168	7.62768	7.22311	6.78513	7.32079	7.35004	7.43383	7.07509	6.87583
DSTYK	4.71007	4.97034	4.89975	4.72517	4.62548	4.9443	5.06897	5.35681	4.9001	4.92218	4.52838	4.94172	4.03607	4.90183	4.56336	4.82733
DTD1	7.39005	7.61809	7.75576	8.00083	7.6386	7.68956	7.65647	7.93941	7.87018	7.76045	7.15117	7.8754	7.84679	7.72596	7.46068	7.78475
DTD2	6.97441	6.93148	6.29639	7.03131	7.54563	7.23137	7.01158	7.37708	6.06669	6.77618	7.22425	7.24986	7.86813	6.51597	7.16436	7.81934
DTHD1	5.56883	3.46411	5.92868	6.60987	5.36162	4.77116	3.64382	3.17146	4.04754	4.62434	3.24563	3.45239	3.82075	3.94866	3.86469	3.61186
DTL	6.63193	7.05063	6.80739	5.90458	8.00126	6.92002	7.42138	7.57865	8.08445	5.9769	8.12358	7.29564	8.12568	7.50009	7.78837	8.45057
DTNA	4.13729	3.45622	3.55612	4.06587	3.7348	4.42658	4.16338	3.85278	3.99858	4.307	4.10306	4.28869	3.778	3.52461	3.78955	3.82473
DTNB	5.25162	4.02048	4.84861	4.44294	4.94808	4.93488	5.46353	5.19111	5.28718	5.9171	4.2978	4.72236	6.04297	4.08141	3.87707	5.51869
DTNBP1	6.74871	7.2508	7.42907	7.25138	6.79447	7.00638	5.84069	6.44056	7.06945	7.07704	7.49002	7.56512	6.50774	6.89281	7.00157	6.77908
DTWD1	5.935	5.49645	6.4158	5.81974	6.23883	6.0589	5.8913	6.17762	5.82677	6.37493	5.62092	5.92	5.96515	6.14347	6.0987	6.03011
DTWD2	7.23297	7.75674	7.39475	7.39338	7.08864	6.8514	7.42558	7.47512	6.92479	7.36709	6.86436	7.20199	6.83067	7.09751	7.34115	7.1525
DTX1	4.39081	4.40668	4.56634	5.66468	3.91616	4.47194	3.16512	5.01102	5.06242	4.04734	3.93813	4.88936	4.01206	3.66246	4.43654	3.94585
DTX2P1-	6.00511	6.32093	5.83892	6.19599	6.60946	6.49013	6.18888	7.21707	7.5216	7.13124	6.3351	7.3959	7.61117	6.66446	7.24063	6.76123
DTX3	4.6954	4.6631	5.47619	4.78664	4.7048	5.39128	5.08531	5.70279	5.52281	5.21894	4.31151	5.90353	5.31438	4.64364	5.33329	4.88503
DTX3L	9.60059	9.22763	9.96791	9.59094	10.1021	9.56208	9.34263	10.8206	10.0103	9.48206	9.83943	9.33414	10.0844	9.56807	10.4176	9.84942
DTX4	9.65415	9.26606	8.73349	8.67666	7.53953	9.00548	8.0913	7.4811	7.89679	9.65415	6.90487	8.01647	7.1585	8.20888	7.33768	7.64368
DTYMK	6.11163	6.36226	6.1716	6.18181	6.60878	6.20951	6.50576	5.60685	5.94251	5.61224	6.82297	7.28385	7.13865	7.27843	6.9197	7.62252
DUOX1	7.19897	6.53433	6.26791	6.31766	6.14896	5.41177	6.18336	5.58126	6.2885	6.11045	6.53205	5.26864	5.36574	6.80405	6.39634	4.33558
DUOX2	4.51805	7.68357	8.66004	2.22193	7.30355	4.61047	6.85882	7.32114	6.81431	1.92074	8.55764	2.2269	5.43241	7.81677	7.37897	1.45205
DUOXA1	6.90541	6.45561	5.90706	6.18726	5.75276	5.45177	5.59041	5.26342	5.06033	4.93441	6.24509	5.37044	5.83541	6.1691	5.96127	4.38594

DUOXA2	2.55807	3.76552	5.77027	3.1994	2.29738	2.45459	2.8619	2.95859	3.44034	2.44811	6.26733	2.71947	3.05227	2.72254	2.16493	2.63794
DUS1L	8.49504	8.17232	7.45526	8.50329	8.46182	8.56052	7.85877	8.8284	8.06011	8.77753	8.36086	9.65335	9.08827	8.52526	7.94787	8.72336
DUS2	7.76523	8.18266	7.60105	7.44372	7.095	7.35822	6.88011	7.99636	7.82907	7.57707	7.58424	7.89638	7.69819	7.50769	7.42501	7.60493
DUS3L	4.89804	4.49959	4.11235	4.21802	4.25015	4.27547	3.71057	5.2591	5.5121	4.19646	5.76297	5.65805	4.36688	5.34698	3.08987	4.54391
DUS4L	5.55973	6.75738	5.7047	6.16627	6.99781	6.38477	6.27249	6.56032	5.76092	5.68906	6.64794	5.24052	6.74045	6.67366	7.51761	7.32054
DUSP1	8.07239	7.26681	7.30631	7.62531	6.80592	6.86253	7.43484	7.56828	6.91702	7.96038	7.05207	6.39959	6.6798	7.35989	6.62122	6.73798
DUSP10	6.57417	6.83051	6.0737	6.48524	7.4801	6.67304	7.30355	6.49328	6.69213	6.36248	7.00638	6.0589	6.59719	7.1334	6.77145	7.01614
DUSP11	7.88943	8.27087	8.33525	8.07239	8.66033	8.12322	8.67987	8.19126	8.12509	7.73683	8.371	8.17232	8.93046	8.95577	8.79833	8.41922
DUSP12	7.40382	7.9214	7.4231	8.40816	8.23425	8.43507	6.80078	6.64641	7.84	7.12819	8.17389	8.36968	7.76924	7.31288	7.97435	7.82787
DUSP13	7.02287	6.58914	6.98822	6.44576	6.5997	6.54069	6.6686	6.50191	6.83535	6.64577	6.45163	7.05207	7.11335	7.03226	6.74542	6.81462
DUSP14	9.51229	8.99157	8.14486	8.95954	8.64938	8.40005	9.5326	9.30247	8.75206	8.14084	8.21957	8.74074	9.38269	9.46577	8.9255	8.55828
DUSP15	4.05217	5.68283	5.63847	5.79452	5.87497	4.95513	6.25521	6.18068	6.14896	5.87159	3.6751	6.00619	5.62746	6.16168	5.93176	6.12053
DUSP16	5.94456	5.56646	5.98353	6.08983	6.37144	5.46303	5.69505	6.08682	6.44728	5.52984	6.32595	6.16644	6.63879	6.04035	6.5877	5.87709
DUSP18	5.86541	5.09784	4.76965	5.2531	4.86383	5.40619	5.3451	5.7256	5.02851	4.56757	5.34089	5.22391	4.3268	4.31556	5.28004	4.33979
DUSP19	5.80782	4.94021	5.26039	6.34485	5.6104	5.16906	5.51648	5.49854	5.35506	5.68335	5.00549	5.59022	5.58076	5.32288	5.29199	5.30672
DUSP2	8.3741	8.50939	7.47089	8.17389	7.97709	8.22515	7.74898	8.5981	8.61036	5.8969	8.41149	8.87865	8.52724	7.42188	8.41541	8.66913
DUSP21	2.16905	2.10562	1.32681	1.55195	1.48455	2.48692	2.06028	1.96139	1.81152	1.96807	3.23213	2.56799	2.52228	2.01506	2.29341	2.51437
DUSP22	10.6212	10.6426	10.545	10.4318	9.9764	9.9547	9.2421	10.8711	10.7105	10.1739	9.91603	10.6304	9.62422	9.66243	10.2886	9.91866
DUSP23	7.76863	6.2608	8.0605	7.8922	6.12439	7.68154	8.20911	7.0935	8.29444	7.87403	8.10258	8.07801	8.09594	7.06945	6.97123	7.88564
DUSP26	5.90876	6.96543	6.59933	6.77758	3.87693	6.6594	6.50501	6.57417	6.93816	7.09122	2.66551	7.35509	4.30438	7.01033	5.9813	6.5943
DUSP27	5.51577	3.81549	5.65394	5.11258	5.48441	5.63076	5.15052	5.55993	4.15582	5.06097	3.79556	4.44959	5.76092	5.81954	4.78962	5.81769
DUSP28	7.98493	8.36147	8.32958	8.75854	7.4838	8.60157	8.31608	8.2586	8.16792	7.45459	7.45295	8.27879	8.1881	7.80984	7.97085	8.22001
DUSP3	4.65199	5.76092	4.91332	4.80917	4.74007	4.85572	4.2981	4.80261	5.55283	4.88909	5.98436	5.02973	5.03068	4.67276	4.85269	4.83812
DUSP4	6.60444	4.98499	6.26246	5.81223	7.53761	6.6447	5.97882	6.93763	6.89645	7.62972	7.48041	6.37023	6.28487	5.52984	6.22685	5.11141
DUSP5	7.40676	6.40438	7.48831	5.78328	6.46341	5.79691	2.3531	5.00561	6.39124	6.36903	7.63463	6.76788	6.79474	7.29519	7.10875	5.72006
DUSP5P1	4.25043	4.00768	2.27099	4.34751	3.42572	2.95599	4.5939	4.21937	3.2065	0.65546	4.87039	3.76552	3.30026	1.17253	3.57849	4.389
DUSP6	8.17509	7.06005	7.25372	7.15117	6.21697	8.02694	5.66331	6.69435	7.1855	8.3979	8.4612	6.39439	6.10779	5.50757	6.50348	6.22659
DUSP7	5.1418	6.30821	6.20362	5.59274	5.84244	6.13169	6.95754	5.94952	6.07859	5.42482	6.74102	5.82822	6.92116	6.95587	6.11097	6.9108
DUSP9	3.74737	5.52577	5.68092	5.28498	5.11666	4.69801	5.56581	6.39586	6.40352	4.23056	5.65855	5.86232	6.78294	5.49726	5.89999	5.85869
DUT	9.24332	9.4359	9.10897	9.02044	9.49286	9.34402	9.37612	9.54485	9.61231	8.85361	9.47025	9.83745	10.1917	9.64667	9.70802	9.96657
DUX1	5.17869	5.7837	6.60282	4.64889	5.83049	6.02988	5.48981	6.19148	5.60363	6.07836	5.54982	5.18234	5.92314	4.86024	5.49645	5.62406
DUXAP1	0.82494	3.21812	1.85463	2.92162	8.05955	5.1341	7.83101	2.52957	3.25201	1.15042	2.86424	5.54883	0.86502	5.06976	6.30541	4.78652
DVL1	8.72483	8.66327	8.80034	8.67187	8.03332	8.59366	8.73001	8.7993	8.85361	8.59024	8.30207	8.90453	8.55383	8.42675	8.41962	8.62607
DVL2	5.50032	5.26645	4.96002	5.16136	5.50521	5.40574	5.40317	5.32922	4.95496	5.12281	5.22343	5.46243	5.41267	5.54532	5.4816	5.50058
DVL3	5.84978	6.19425	5.61979	5.87321	6.22725	5.85266	5.88405	5.91563	6.2599	6.59396	6.12342	6.16376	5.88764	6.11109	6.2985	5.8431

DXO	5.84449	5.80597	6.24558	4.6631	5.77903	6.10669	5.9832	5.08271	5.97145	5.78904	5.85146	6.34603	6.43147	6.14906	5.77863	5.28241
DYDC1	5.0222	1.35876	1.32681	4.00732	2.2597	2.03544	1.37571	1.04435	1.53958	1.63837	1.20713	2.2743	2.17097	2.01506	1.00765	1.21992
DYDC2	8.54511	6.89708	5.04282	8.16952	5.27234	5.87276	4.51685	4.78229	5.6132	2.97414	4.488	5.85641	5.05022	5.59748	4.61929	2.82844
DYM	6.17384	5.54665	3.9568	4.16718	5.9051	5.43118	6.01939	5.74393	5.01929	5.64679	4.68091	3.82085	5.51925	6.45045	6.40185	6.00213
DYNC1H	4.92341	4.64607	5.27954	4.79259	4.12862	4.369	4.38066	4.32015	4.39519	4.49898	4.8213	5.06097	4.49302	4.00838	4.26239	4.49501
DYNC1I1	5.83086	4.89893	5.54715	5.80642	5.36331	4.74294	6.43824	5.84429	5.11108	6.52681	5.37368	5.44924	5.7789	5.62053	4.978	7.84521
DYNC1I2	7.76557	7.25982	7.39425	6.96182	7.64589	7.87198	8.10309	7.62073	7.81868	8.06928	7.7985	6.15976	7.82939	7.55529	7.56512	6.4057
DYNC1L	7.26483	7.53498	7.11224	7.33814	7.59726	6.81012	7.322	7.88746	7.75735	7.08047	8.13158	7.0977	7.11924	7.22234	7.71824	7.46327
DYNC1L	6.87988	6.22568	6.66328	6.66476	5.95242	6.38382	6.04297	6.00079	6.1757	7.05849	6.45026	6.55377	6.82106	6.32869	5.68275	5.54686
DYNC2H	5.46187	4.25735	4.26713	4.84543	4.23209	4.03935	4.1352	3.82021	4.04011	4.47902	3.95179	4.10686	3.29136	3.89133	3.75766	4.41311
DYNC2L	5.59734	4.40984	4.66043	5.22241	5.43281	4.34089	3.9523	3.84644	3.98702	3.87518	4.08018	3.67421	3.91052	4.2061	4.51245	4.20167
DYNLL1	11.7897	11.6449	11.2558	11.9698	11.5105	12.2135	11.4058	11.7897	12.0385	10.6075	11.7283	12.1851	12.2011	11.7897	11.422	11.4854
DYNLL1	6.99729	5.39781	3.50971	6.84076	5.316	4.93449	4.40595	3.85196	4.16067	5.05043	5.41041	4.68137	4.14509	6.40548	4.87951	3.02906
DYNLL2	6.47493	7.89111	6.01522	6.86006	6.38016	6.01017	6.47005	6.21776	5.93839	6.53922	7.23313	7.24511	6.22105	6.41563	6.11602	6.75136
DYNLRB	7.02532	7.49041	6.8334	6.87697	7.27077	6.71005	6.85564	6.99884	7.0099	7.32622	7.131	7.44046	7.0981	7.15053	6.81688	7.12429
DYNLRB	10.9679	9.43414	5.52187	10.5826	5.84059	6.63353	5.57693	5.24358	7.57235	5.34336	5.46456	7.93216	7.03226	6.49681	6.1584	2.01298
DYNLT1	11.9321	11.5923	11.1225	11.9018	11.063	11.5856	11.0674	11.4642	10.8808	10.0953	11.1434	11.5923	11.768	11.3155	11.3034	11.2633
DYNLT3	9.41655	9.54173	9.12874	9.46135	8.87752	9.83596	10.0629	8.68099	9.60125	9.83019	9.82345	8.85032	9.61651	9.62422	9.47025	9.38383
DYRK1A	6.08756	5.46033	5.9082	5.53149	6.0104	5.88196	5.78176	6.37855	5.51387	5.95773	5.88764	6.0042	5.90202	5.38528	5.76467	5.44364
DYRK1B	3.50666	4.94929	3.70234	4.54034	3.54548	3.56848	3.36189	3.5152	4.07485	3.72831	4.24124	3.65227	4.00145	3.51239	3.71405	2.8175
DYRK2	7.06915	7.14059	7.52731	7.65686	7.16225	7.27263	6.86138	6.78314	7.27718	6.4202	6.83636	7.28113	7.15303	6.82532	7.236	6.42499
DYRK3	4.99475	5.69164	5.4555	5.13493	6.60736	6.01189	5.2261	4.14769	5.2467	5.10888	5.87008	5.63956	6.33597	5.91076	5.94158	5.78238
DYRK4	6.09415	6.16655	6.39586	6.42817	7.27587	6.61588	6.40146	4.46162	6.72462	6.15674	6.63407	4.83368	7.21555	6.92136	6.70448	7.02199
DYSF	4.91646	6.45101	6.97801	6.87988	6.69403	6.77908	6.47672	7.50734	6.99217	6.89005	7.86759	7.09122	6.57865	5.97749	7.12958	6.84655
DYX1C1	8.92427	7.43953	6.39586	8.56494	7.77998	6.50549	6.7013	7.17619	6.42469	6.13152	5.86507	6.3267	6.62038	6.79872	7.1553	7.32228
DZANK1	6.37898	5.25816	4.01612	6.27509	5.55428	5.12472	5.30623	5.36285	5.50846	4.57057	5.16289	5.32616	5.14009	4.90933	5.20628	4.71438
DZIP1	6.64604	5.64861	6.11602	6.10593	5.98966	6.60293	6.92393	6.06551	5.10115	6.22616	3.91498	5.74456	6.58127	5.05621	6.00079	5.09451
DZIP1L	8.60332	7.4238	6.7946	7.36211	6.49966	6.58386	7.03614	7.27263	6.53264	7.07787	6.39118	6.7077	5.33097	5.94499	6.33094	5.99873
DZIP3	6.72905	5.52089	5.39736	5.44553	5.52175	4.96649	4.68925	4.28945	5.24084	5.1794	6.22079	4.97	5.0859	4.99415	5.46033	5.31887
Dbpht2	3.16429	2.41683	3.11137	3.52553	1.54197	2.48692	3.68625	1.73724	1.76451	1.63837	3.98737	1.59868	4.03129	1.78331	3.08134	2.71584
E2F1	3.99774	4.62017	4.04301	4.05249	4.22883	4.85808	5.71355	4.38776	4.88936	4.7761	5.48534	4.664	4.7669	4.30008	4.53679	4.68387
E2F2	5.129	6.14046	6.77145	6.10931	6.5898	5.20796	6.99387	6.92337	5.935	6.28743	6.56163	6.27322	5.17658	6.30501	6.3267	5.84569
E2F3	6.34809	6.88646	7.45362	7.29046	6.77096	7.82093	7.81452	7.76388	7.69659	6.51846	7.61481	8.18097	7.97484	7.33414	7.53627	7.53761
E2F4	7.25345	7.42907	7.64234	7.51761	7.01061	6.96393	7.66223	7.56028	6.92148	7.74284	7.20816	7.19405	7.24339	7.39967	7.29311	7.24729
E2F5	5.92582	5.20259	6.85641	5.4066	7.3201	5.97527	4.71077	4.49662	4.03549	5.30815	5.6008	6.43896	7.14258	7.45217	6.0495	7.8012

E2F6	7.02287	7.43168	7.19882	7.24179	7.88653	8.34898	8.60131	8.33984	8.13158	7.74198	8.03074	7.85515	8.10686	8.43631	7.96217	8.73084
E2F7	7.06945	6.74201	6.38732	6.6608	6.55085	7.30035	6.73182	6.45045	6.28872	5.62722	6.20677	6.92582	6.49265	7.37234	6.57618	6.6178
E2F8	6.61362	7.05272	6.73791	6.60156	7.38917	6.76807	7.68174	6.95007	7.24729	5.65616	8.14417	6.63771	7.8562	6.78628	7.43659	7.10804
E4F1	6.82592	7.03639	7.20956	7.00283	7.40457	7.21523	6.8133	7.04207	7.1777	7.28032	6.88815	7.54252	7.44642	7.17565	6.61768	6.80739
EAF1	7.43728	6.35785	8.10655	7.64378	7.78123	7.41172	6.62448	7.75007	7.09717	7.5049	8.33874	7.75602	6.92356	6.80682	7.3395	7.30766
EAF2	3.91554	5.85864	6.08205	5.52702	5.02274	5.2853	5.26854	5.68944	5.85761	5.12314	4.89861	4.95342	4.73627	4.78005	4.67368	3.97999
EAPP	8.90934	9.03764	8.46765	9.4359	8.77276	8.02774	7.7963	8.25283	8.10408	7.89522	7.86725	7.72349	8.56598	8.22239	8.39657	8.77093
EARS2	6.77172	7.2924	6.88246	6.60946	7.69696	7.44226	6.79489	7.75127	7.21035	7.54563	7.236	7.63211	7.8012	8.19149	7.95029	7.32785
EBAG9	8.52577	8.67903	8.9826	9.06178	8.34712	8.61815	8.56997	8.78234	8.30848	8.59366	8.08867	8.60522	8.32756	8.68868	8.2853	8.60447
EBF1	5.1579	5.63395	6.31261	6.54247	5.22796	5.80567	4.62359	5.79169	5.36574	6.41563	4.93921	5.7594	4.28137	4.04011	4.79626	5.14307
EBF2	4.39832	4.44812	4.68646	4.11808	4.77186	4.55848	5.08852	4.56877	4.05603	4.5224	4.39048	4.25396	4.5951	4.46146	4.31594	4.56077
EBF3	4.06977	5.74611	5.29437	4.34603	5.85731	5.60255	5.40153	5.71193	5.47974	5.58265	5.34036	5.40993	5.26386	5.64816	5.64161	5.50191
EBF4	7.73044	8.28645	7.47089	7.83976	7.65934	7.98518	8.21006	8.3131	7.77384	7.93177	7.59223	8.21095	8.27954	7.92119	8.33124	7.63211
EBI3	4.13997	4.92195	4.91796	4.07003	4.28189	6.5545	4.21561	6.35585	5.14293	5.54577	7.14123	4.36401	4.59065	5.67943	4.44812	4.39898
EBLN2	4.83558	3.97873	6.13367	4.02962	6.46539	3.11933	6.71622	6.35819	3.50839	3.8925	3.71153	3.47261	5.72094	5.26311	5.51437	6.78049
EBLN3	8.11439	7.5049	8.12286	8.16905	7.53313	7.73968	7.13054	5.91782	6.73634	8.02016	7.17565	6.35047	6.46228	5.93403	6.66328	7.99407
EBP	7.39921	7.30238	7.20076	7.33702	6.48665	7.39737	7.48951	6.59027	6.86964	7.6187	7.32358	7.35599	7.40184	7.6003	6.67336	7.22216
EBPL	9.22973	8.8365	9.24769	9.66572	8.79448	9.47984	7.93896	8.5981	7.93038	9.21594	9.65062	9.22763	9.0707	9.91339	8.81813	9.82582
ECD	6.76884	6.42916	5.81948	7.23966	7.16831	6.45904	5.93156	7.41008	6.69077	6.86445	6.69469	5.76354	7.31004	6.78172	7.29579	6.53318
ECE1	6.0743	5.12636	5.12745	5.62247	5.16446	5.23646	6.11583	5.54732	5.60515	5.41719	5.58637	5.91215	5.67359	5.6595	5.46099	5.4513
ECE2	6.11334	6.03682	6.09939	4.66213	6.16356	6.51	5.09432	5.85616	5.97095	5.9813	5.53829	5.76588	5.89988	6.2885	5.43626	6.38496
ECEL1	4.01048	5.46615	4.40922	3.96234	3.24511	4.17971	3.18384	6.15282	4.33436	4.65523	4.12946	4.48087	4.62473	3.73088	4.08763	3.99805
ECH1	8.31119	8.61682	8.34667	8.92776	7.56047	8.84899	7.11463	6.16644	7.68174	8.39657	8.15007	9.37899	7.98082	9.15916	7.28524	7.55185
ECHDC1	7.42526	8.25283	8.49332	8.26067	8.87897	7.66417	7.82021	7.82614	8.17017	8.54112	8.72368	7.90263	7.58402	7.49457	8.21006	8.29356
ECHDC2	8.13222	7.77441	8.15253	8.15536	8.24872	8.68206	8.40249	7.28174	7.22511	8.03432	6.5162	8.30299	7.8327	8.77123	7.99187	7.70787
ECHDC3	2.75185	4.07403	5.01314	4.28639	7.35231	6.29331	3.45602	3.67908	2.88086	6.8108	7.27077	6.81431	4.60192	3.33112	4.24348	3.52431
ECHS1	10.2527	10.1365	9.07296	9.43496	8.61099	9.65256	8.38448	8.95283	11.088	10.8573	9.73065	10.0897	9.48206	9.99505	9.46135	9.42357
ECI1	8.49421	8.51258	7.70895	7.9098	7.41697	6.879	7.737	8.19358	7.98905	8.33155	7.76072	9.7543	8.23028	8.78616	8.07728	8.14952
ECI2	7.65437	7.88441	8.68454	9.14677	7.45743	7.45059	2.81469	7.0851	7.4383	8.42251	8.5825	8.15714	5.75502	6.22225	7.27416	6.73081
ECM1	7.06708	6.90756	7.38042	7.0915	6.80517	6.70681	7.29703	7.759	7.154	7.04375	7.04963	7.43146	7.35385	7.05942	7.29654	7.04081
ECM2	6.11559	5.14215	6.95847	5.80344	7.08717	6.79262	4.45668	7.01539	6.68978	7.29703	5.21946	7.1371	4.9692	6.30347	6.59326	7.27872
ECRP	3.99584	3.75879	3.95827	3.97084	4.06073	3.8966	3.83857	4.32501	3.72995	3.66644	3.82899	3.42733	4.07063	3.87671	3.69726	3.57557
ECSCR	6.37709	6.66158	7.89413	6.642	6.42215	7.12714	6.45975	7.03819	6.29156	6.71374	7.64872	6.85619	6.57346	5.68251	6.72244	6.52299
ECSIT	8.64113	7.38433	7.47282	7.65295	7.95413	7.72559	8.36393	7.92556	7.75007	8.70415	8.03983	8.76627	8.43314	8.34589	7.65419	8.66637
ECT2	5.76403	4.74464	5.4533	4.87368	5.67192	4.97512	6.31597	5.13157	6.31699	5.09584	5.61854	5.14791	5.03249	5.5537	5.72735	5.68843

EDA	4.78336	4.17905	4.10904	3.65754	4.41131	4.40737	4.18699	4.32095	4.01078	3.77469	4.8047	4.28431	4.30999	4.20875	4.14676	4.64502
EDA2R	3.87518	3.99662	3.59844	3.25646	4.24744	3.85447	3.818	3.32868	3.17124	3.49311	4.3412	3.38388	4.55949	4.46371	3.44194	4.39898
EDAR	7.02968	7.36287	6.73791	6.92598	6.94396	6.84397	6.86547	6.85848	6.9799	6.10884	7.14616	7.54252	6.35743	6.96952	6.6402	6.50406
EDARAD	2.08404	3.25613	3.19256	2.4789	3.09072	2.5608	3.60262	2.64349	4.02473	2.47565	2.58746	3.46371	4.2307	3.47687	3.5512	2.90822
EDC3	6.44554	6.88505	6.17961	6.19845	6.66911	6.34603	7.08393	5.22492	6.28643	5.98353	6.64649	6.55834	6.52996	6.59491	6.22886	6.67304
EDC4	6.92385	7.16495	6.94101	7.05176	6.24827	6.86866	6.89597	6.81937	7.01269	6.26737	6.46239	7.3119	6.93923	7.57115	6.25061	7.31427
EDDM3A	3.1264	2.42836	2.58708	2.96225	3.37829	3.41062	2.72106	2.66311	3.5606	2.99916	2.50824	2.77727	2.72186	2.53589	3.25308	2.42836
EDDM3B	2.16905	2.01809	2.39414	1.89139	2.71531	1.85868	2.1009	2.58708	2.39727	2.57765	0.69487	2.44179	2.07729	2.16332	2.41671	1.96263
EDEM1	7.93509	8.62685	8.93342	8.71319	8.11142	8.26668	7.49983	7.78045	7.94001	8.26668	8.01647	8.80058	7.7196	7.95029	8.1136	7.97957
EDEM2	7.32463	7.96038	7.59795	6.98418	6.77644	7.00926	6.68534	7.0935	7.63825	7.88964	7.74711	7.96996	7.66624	6.85524	6.46975	7.28227
EDEM3	7.0724	6.70376	7.49942	7.33872	6.52429	7.29787	6.68839	6.65352	6.67771	7.43728	6.71871	7.03856	6.70755	6.46008	7.00117	7.37909
EDF1	10.8255	10.783	10.4489	11.0289	10.4412	10.8872	10.4028	10.3741	10.494	10.8255	10.4989	11.0235	11.0417	10.9586	9.94182	11.0741
EDIL3	5.44544	5.59254	4.99664	4.44723	5.91026	4.8729	5.57221	5.47317	5.13711	6.09202	5.61533	3.66246	4.89454	5.08207	6.51344	5.73303
EDN1	6.129	5.59206	6.2399	5.51033	5.56894	5.30292	6.30069	5.70326	5.46099	5.46033	6.71173	6.08299	5.80739	5.40501	6.69916	5.72881
EDN2	5.27357	3.89112	3.99755	4.85334	5.76569	4.24599	6.58803	4.13045	4.56553	3.95892	3.98737	5.37044	7.03226	5.48108	5.04161	3.55993
EDN3	3.69726	4.67128	3.58662	5.79356	4.33712	4.23557	3.89893	3.68375	3.99706	6.71649	4.11056	5.27501	4.58199	4.42144	4.61206	4.66043
EDNRA	6.78435	6.70511	7.44871	7.00137	5.90328	6.82737	4.81291	6.69265	5.80924	7.70836	7.22466	6.92547	5.07535	5.65592	7.23391	6.35153
EDNRB	5.56679	5.25011	6.63953	6.46638	5.29401	6.08039	5.53244	4.93339	4.35267	6.23366	7.27505	4.91481	4.82733	4.80261	5.13353	4.61534
EDNRB-A	5.96035	6.45844	6.16926	5.11258	4.76678	6.23022	6.05296	6.04226	6.24391	6.28689	6.19879	6.15572	6.34146	6.4064	4.99054	5.99097
EDRF1	5.59535	5.51437	4.94752	6.46075	5.59906	5.07693	5.40805	5.66827	5.54686	4.73468	4.99281	5.11309	5.9634	5.45677	4.95126	5.74994
EEA1	5.33489	5.05653	5.80282	5.27601	5.91806	5.53338	5.46805	5.22324	5.75728	5.76449	6.11761	4.90027	4.67909	5.18263	5.60069	5.53096
EED	6.96469	6.00809	6.7248	7.00541	7.21574	5.72647	5.80853	5.83334	6.83587	6.78137	7.22377	5.30315	6.19919	5.37151	6.58737	6.82158
EEF1A1	11.1434	11.2278	11.0235	11.118	11.0154	10.9989	11.3913	11.3656	11.118	11.3587	10.4176	10.8383	10.8356	11.3844	11.2398	10.9989
EEF1A1P	6.30532	6.24968	6.25094	5.91096	6.89528	6.08363	3.08298	5.99786	6.5377	7.13144	7.3866	5.21084	5.3226	5.89027	6.55056	6.29282
EEF1A2	5.93982	6.53383	6.14368	6.50154	6.20964	5.96127	5.87497	6.03368	6.12181	6.58018	6.9731	6.35103	6.3778	6.54092	6.31746	6.39634
EEF1D	8.36759	8.98405	8.98061	9.23192	8.27535	8.93143	9.25806	8.89725	9.0096	9.4407	8.34556	9.25237	8.9255	9.20892	8.80034	8.55452
EEF1E1	6.56788	7.02233	7.09937	7.45844	7.19405	7.32785	7.21647	7.35212	7.06893	6.51863	8.00595	7.36722	7.75305	8.00083	7.31596	7.71882
EEF2	11.3999	11.5105	11.2822	11.5856	12.0628	11.7897	11.768	11.5301	11.2207	12.2011	10.6392	12.5798	11.468	11.9498	11.5923	12.1489
EEFSEC	6.06123	6.0002	5.64993	6.42609	5.8529	5.4297	5.66827	7.06652	6.95245	4.55883	6.2576	6.86411	6.88799	6.42461	5.27341	5.88338
EEPD1	5.41899	4.45264	5.19791	4.99883	5.43821	4.61448	5.33989	4.34027	4.58796	4.69272	5.12168	5.74373	4.60009	5.24052	5.45313	5.51616
EFCAB1	7.15452	5.1957	4.71325	6.18149	4.22106	4.15633	4.59949	5.19799	5.17403	4.42829	3.7815	4.23119	3.94319	4.90967	3.24902	4.1422
EFCAB11	5.68058	6.16738	6.38452	6.51364	6.42572	5.935	5.48818	7.2935	5.70304	6.29473	6.63499	6.39556	5.88563	5.57001	5.86631	5.96143
EFCAB12	5.56126	4.17704	2.17949	3.6993	2.65839	2.79576	2.20014	2.58708	2.93758	2.77263	2.83774	4.05356	2.29255	3.07586	2.50999	2.71584
EFCAB13	4.64535	4.10591	3.5644	4.16142	3.98921	3.7184	4.63031	4.05411	4.20427	4.26564	3.98921	4.07403	4.54726	4.16516	3.7466	4.47708
EFCAB14	5.89619	5.86075	6.26587	5.87407	6.66656	6.3351	6.41532	6.50922	6.22616	5.95026	6.20604	6.08022	6.35878	5.82956	6.18875	6.27962

EFCAB2	7.82579	6.55951	6.55768	6.69244	5.48246	6.28643	6.17219	6.40308	6.02877	5.52153	6.0156	6.53064	6.01504	6.01754	5.62606	4.92653
EFCAB4A	8.45576	6.07188	7.05052	6.41023	6.03493	6.51077	4.03876	7.26724	7.0089	8.57221	7.01235	7.39629	5.67467	6.38629	6.06651	5.5306
EFCAB4B	6.404	6.58645	6.36077	6.40473	5.95435	6.30117	5.8566	6.61308	6.54937	7.27478	6.36411	6.39759	5.99946	6.32273	5.94177	5.71853
EFCAB5	3.24563	2.85623	2.62506	3.68581	2.75404	2.71009	2.68301	3.46755	2.16388	1.19884	2.29205	3.52461	4.06126	2.53386	4.15843	2.30728
EFCAB6	5.38659	4.75073	3.68482	4.67844	4.30957	4.01048	3.77125	4.193	4.18392	4.02774	3.13052	4.06388	4.53	4.58644	4.14832	4.18547
EFCAB7	6.92766	5.79711	6.26959	7.43383	7.13546	7.01184	7.06915	5.64102	6.09438	4.46917	5.68102	5.85386	5.86066	6.32734	6.5839	6.2051
EFCC1	4.56534	3.60374	4.28253	4.124	4.4524	4.27584	4.81112	3.9653	4.9251	3.27837	4.11765	3.82218	4.55792	4.10686	3.39861	5.03887
EFEMP1	7.35865	6.31646	8.51568	6.97093	6.76182	7.03226	6.06669	8.01689	6.27668	7.43404	7.28361	7.10725	6.1481	6.9718	6.20209	6.69095
EFEMP2	8.17292	8.37199	7.87296	7.75166	7.5216	7.69452	6.44702	7.42208	7.38746	8.85906	7.93338	8.79526	6.581	7.17259	7.9954	7.24063
EFHB	7.60305	6.86762	5.41316	7.19551	5.88851	5.3392	4.17917	3.72865	5.46214	4.45735	3.64739	5.19972	5.00506	4.24792	5.03249	3.88932
EFHC1	9.11675	7.37305	7.21344	8.31171	7.36696	7.095	7.1549	7.23753	6.07264	7.50393	6.55046	6.39634	6.78541	7.39133	7.22727	6.58459
EFHC2	6.62279	6.35103	5.65907	6.71757	5.77997	4.79562	6.32921	5.16933	5.18934	5.45233	4.57635	5.27924	4.78149	5.87377	5.01713	5.1579
EFHD1	6.36395	4.97582	4.03916	7.4092	5.98671	5.99097	6.41596	6.58532	4.2251	8.02272	5.86773	5.75818	6.33713	5.77414	4.19913	6.04592
EFHD2	8.61511	8.83123	7.81046	7.74711	7.51308	7.759	7.82787	8.5288	8.0016	6.73798	8.88035	8.61181	8.51015	8.36016	7.59995	8.234
EFNA1	7.99228	7.87786	7.02942	7.46257	7.58542	7.81197	8.22559	6.65798	7.51793	7.64409	6.58645	7.51193	7.83583	8.04101	7.43992	8.19323
EFNA2	3.07641	3.34015	3.51881	3.49162	3.28495	3.46916	3.7862	3.7466	3.25894	3.36807	2.82844	3.2187	3.59882	3.72436	2.77058	3.40023
EFNA3	4.0831	4.18531	3.69741	3.8281	3.92606	4.74589	4.64035	4.07245	4.07916	3.90306	3.45744	3.7042	3.37673	4.14195	4.16718	4.11111
EFNA4	7.25848	6.844	6.99123	6.94509	7.37585	7.89362	6.51384	3.65408	6.96808	6.04194	6.69854	8.18689	7.72426	7.58177	7.35613	7.92703
EFNA5	5.55223	5.57918	6.32273	6.76563	5.27149	6.7396	5.65728	5.34717	5.99319	6.42897	5.36602	5.61383	4.99162	5.16276	5.69071	5.68373
EFNB1	6.21786	6.05319	5.8928	6.03567	5.68081	6.34101	6.48592	6.41673	5.41128	4.85072	5.59972	5.38586	5.47935	6.08539	5.70636	6.29463
EFNB2	7.759	6.81108	7.89256	7.46613	6.98295	7.71648	7.83054	6.36616	6.18525	6.3484	5.5121	6.10931	5.74943	7.60818	7.54501	7.35304
EFNB3	7.07804	6.25817	6.07349	6.75475	5.64371	6.86735	5.58168	5.95652	5.57813	5.97268	5.6494	6.39214	6.03515	5.7594	6.56491	5.76312
EFR3A	9.62422	9.98814	10.3833	9.83745	10.5789	10.509	10.6212	11.6759	10.1309	9.83943	10.0029	9.7947	9.65997	10.5124	10.3157	10.3113
EFR3B	5.24336	4.76709	4.62832	5.3531	5.13074	5.26053	6.05696	5.06128	3.93072	5.62065	5.18234	4.85376	4.73321	3.9653	4.39454	5.01078
EFS	7.89362	5.5751	6.15307	6.06691	8.10655	7.1777	8.00881	5.22673	8.49069	8.07334	5.7063	7.67128	8.03332	6.99046	7.50104	7.92217
EFTUD1	7.26665	6.96543	7.06583	7.20458	7.92528	7.22364	8.56536	7.86658	7.01879	6.6608	7.30778	7.00204	5.83698	7.80077	8.14826	7.38177
EFTUD2	6.58949	6.67568	6.03658	5.96539	6.74984	6.08828	6.48148	6.59447	6.4489	5.96883	6.73147	6.45625	6.44702	6.6164	6.77952	6.58963
EGF	4.82631	2.72769	5.4639	2.72117	6.15893	4.47194	5.50534	3.85505	3.60923	5.71898	5.26854	4.60294	3.05227	3.8419	5.14584	5.5362
EGFEM1	2.93125	2.04582	1.4899	1.00034	3.03309	4.0466	2.78886	1.14774	0.69487	1.22431	1.15042	2.73426	2.04398	1.72157	1.78116	4.25809
EGFL6	7.51279	7.86759	8.21557	7.2235	8.52752	6.64881	9.70398	8.98666	8.79808	6.4835	7.99451	7.78895	8.5278	8.25993	9.18711	7.80515
EGFL7	3.5501	3.20291	3.391	3.5907	4.12453	3.22527	3.44209	3.8281	3.46459	3.57327	5.1842	4.15353	3.7479	3.52815	3.23099	3.48415
EGFLAM	4.9553	2.39163	6.03781	4.51263	5.46569	3.36385	6.03446	3.91364	4.67119	4.33627	5.16217	3.73633	5.00103	3.70919	6.02788	3.2169
EGFLAM	3.33341	3.73419	4.00917	3.81298	3.54594	3.32597	3.68112	3.72936	4.27051	3.96659	3.28662	3.91544	3.37025	3.49866	3.3448	3.6241
EGFLAM	3.50034	3.23142	4.64127	4.97617	5.15954	3.27349	3.85658	4.15015	4.37613	4.00197	5.11218	2.71947	4.08241	4.09275	4.96683	4.69773
EGFR	6.61588	6.48361	5.82515	6.51968	6.41639	6.40096	6.89454	6.24639	6.21912	5.86281	6.13436	6.82609	6.3741	6.64067	6.52729	6.13336

EGLN1	5.69505	4.87083	6.31477	6.03871	6.43458	5.81488	5.91457	6.5054	6.10023	5.50547	6.04558	6.01587	6.94344	5.96883	6.1633	6.78728
EGLN2	2.16905	1.9808	1.32681	1.89139	1.77016	2.27957	2.1009	2.07548	2.43603	1.35594	1.74872	1.94688	2.34547	2.01506	0.88665	2.07548
EGLN3	6.68374	6.60087	7.0519	7.26183	7.18784	5.04748	7.23912	7.12352	7.4767	6.77825	6.93064	6.60293	8.26769	6.4479	6.86641	6.34271
EGOT	2.98922	2.2766	2.08688	1.65115	2.79844	2.61448	6.3586	3.87574	2.4842	2.22193	1.89053	2.6399	2.76484	3.98788	3.31104	6.48497
EGR1	8.92258	5.97983	6.98738	7.268	6.43979	8.10225	8.88559	6.87275	9.41817	8.055	7.75653	7.00217	6.21912	6.52891	6.89788	6.10779
EGR2	7.56995	7.64689	8.11642	7.63318	8.36759	7.81409	6.74124	7.81498	8.91477	7.53361	9.51426	7.12396	7.97871	5.60451	7.5475	7.60944
EGR3	7.37536	7.90327	7.19551	7.52217	7.44942	6.41769	6.85319	6.55569	7.74569	7.42914	7.43362	6.91606	7.70241	6.52564	7.94735	7.10661
EGR4	4.48486	4.11164	4.37703	5.31683	4.93488	5.2212	5.08194	4.55792	4.5803	4.4227	5.49958	4.74067	5.13064	4.80498	4.95724	5.74722
EHBP1	6.19599	6.42772	6.65003	6.54125	6.90283	6.38732	6.32715	5.99998	6.01259	5.21946	5.75308	6.62549	6.88438	6.52034	6.62448	6.96469
EHBP1L1	5.18206	4.9277	5.06647	5.23178	5.01049	5.43578	4.51377	4.23371	4.03082	4.73809	7.02396	5.98199	4.9251	6.6015	4.91497	4.16994
EHD1	6.5465	7.34135	6.78362	7.17328	6.39352	6.71374	6.92582	5.89999	6.33746	5.70049	7.05162	6.74102	6.53748	6.65556	6.28229	6.11714
EHD2	5.66921	4.73591	5.66806	4.72194	4.18447	4.87271	4.59056	4.08018	3.93204	5.7242	6.28271	5.01078	4.16568	3.706	5.26406	4.58568
EHD3	6.51419	7.08169	6.61659	6.8099	5.78381	6.61659	6.74635	6.98711	6.00788	6.68871	6.72166	6.5016	5.83559	6.10359	6.08205	5.96291
EHD4	5.81553	5.73359	5.73121	5.32348	5.3869	5.61277	5.57898	5.70016	5.68304	5.66772	5.85848	5.48455	5.90223	5.68932	5.65821	5.59425
EHF	7.11527	5.90309	5.63887	5.65592	5.59486	5.42031	6.36226	4.28892	6.71062	7.31288	4.53252	5.48427	5.76173	5.63161	5.27758	4.87936
EHHADH	8.08385	7.08255	8.04588	7.24104	8.68396	7.45765	8.91477	8.03847	7.88588	8.01668	7.19756	7.67064	7.05075	7.10988	8.66724	8.6757
EHMT1	4.98499	5.26722	5.34141	5.07366	5.56523	4.09851	4.51133	4.57473	5.16886	5.20628	5.32281	5.82933	4.60464	5.16332	5.37003	4.93889
EHMT1-I	2.88015	1.44837	3.33383	3.23213	4.06784	2.48692	2.67152	2.64349	2.86093	3.29126	3.48511	3.66815	3.69964	2.72254	3.37408	2.53538
EHMT2	3.56937	4.11908	3.98146	3.92468	4.53621	4.90672	4.30999	4.68622	5.3496	5.31156	5.2949	4.95627	4.25134	5.45373	5.28882	4.25546
EI24	9.49953	9.43955	9.48206	8.99157	10.0103	9.62785	8.9238	9.5326	8.94422	9.9764	8.93712	9.26222	10.0697	9.67089	9.66114	9.63723
EID1	8.14368	8.53091	8.8528	8.81989	8.47257	9.01865	6.36248	6.91622	7.92217	9.10108	8.81561	8.93865	8.38746	7.72681	8.19104	8.45605
EID2	6.85446	6.48735	7.08612	7.56648	8.37378	7.16285	7.77079	7.62863	7.78878	7.7897	8.06308	8.65544	7.45153	6.32966	7.20682	7.42114
EID2B	5.70016	4.29638	4.94061	5.59032	4.70279	4.83812	2.15094	3.94809	4.9172	5.03724	5.63395	5.67321	5.3421	4.90583	4.23617	5.33762
EID3	5.79997	6.45334	6.02133	7.3161	6.92499	5.30537	2.70047	6.2284	6.35794	5.39899	6.25692	5.81694	6.36004	4.44205	6.71414	6.10352
EIF1	9.27221	9.28266	9.31854	9.19557	9.43005	9.74251	9.72748	9.33149	9.38206	9.35952	8.97832	8.65431	8.95876	9.8758	9.46931	9.24769
EIF1AD	7.48357	7.62114	7.62153	7.38264	7.36722	8.20702	8.29124	7.92317	7.7273	6.64251	7.4919	7.66076	6.94813	7.82828	7.58828	7.26232
EIF1AX	8.12039	8.44366	8.51364	9.11315	8.73519	8.6757	9.38383	8.89011	8.35614	8.51364	8.55452	8.2105	9.21885	8.70368	8.93431	8.98153
EIF1AY	8.01515	8.43886	8.87897	1.87608	9.11102	8.76117	4.94991	8.81129	8.64603	7.73373	8.84269	8.01148	3.50071	8.16376	8.80792	7.18574
EIF1B	5.54233	6.21237	6.02602	6.2833	5.6972	6.0554	5.57813	5.6314	5.7941	5.80945	6.06448	6.40793	6.01819	5.70562	5.27924	5.83766
EIF1B-AS	5.40591	5.62092	5.39763	5.1964	5.19203	5.13175	4.86718	5.87061	4.91481	5.25704	5.11089	5.34141	4.87894	5.45816	5.65675	5.44882
EIF2A	8.63076	9.57587	8.99622	9.0354	9.06063	8.69275	9.4567	9.36057	8.84477	9.58269	9.06561	9.54561	9.35952	9.53788	9.26978	9.57587
EIF2AK1	7.67624	7.58828	7.14925	7.88907	8.25993	7.76686	7.91303	8.25692	8.27937	8.00205	7.54594	7.01074	6.5353	8.44501	7.82869	8.26134
EIF2AK2	6.61445	6.52754	6.73709	7.03928	7.50536	6.87387	7.74479	7.54594	7.28288	6.92356	6.50736	6.37535	6.98593	7.3965	7.04784	6.95677
EIF2AK3	7.01656	5.53126	7.17933	6.46461	6.04515	5.5845	6.50796	5.91519	6.77456	7.02888	6.50855	6.36616	6.49455	6.10197	6.59049	4.96826
EIF2AK4	6.41038	6.36517	5.94527	5.32945	6.42442	6.06551	6.16838	6.05626	5.46335	6.17384	5.92857	6.34004	6.05999	5.8182	6.3277	6.66527

EIF2B1	7.98863	7.82748	8.22106	7.86571	8.87358	7.94504	7.17193	8.11142	8.07647	8.42675	8.63859	8.20702	8.13446	8.55357	8.39821	8.20911
EIF2B2	9.0592	9.04423	8.93625	8.68785	9.39808	8.11759	7.90945	9.14447	7.97399	8.70076	8.92819	8.90341	8.83036	8.5278	8.52096	8.96445
EIF2B3	7.26232	7.73311	7.54351	7.6386	8.04288	7.84068	7.65208	8.16348	7.07999	7.65275	7.84908	7.19246	7.7715	8.09183	7.42188	7.8444
EIF2B4	8.40722	7.91926	8.02431	7.93138	8.3403	7.98356	7.98837	7.86294	8.64938	8.95954	7.98057	8.33937	8.06417	7.95413	7.93177	7.86345
EIF2B5	7.60851	7.67544	7.53498	7.58677	7.60851	7.73397	8.30243	8.05719	7.69763	7.85776	7.4807	7.80586	7.5749	7.60305	7.38512	7.98012
EIF2D	8.44731	8.80295	8.20643	8.54726	8.20672	8.60967	8.2507	8.74164	8.93587	8.8365	7.91926	8.98153	8.83436	8.79229	8.66913	8.9792
EIF2S1	7.81334	8.08705	8.15803	7.74178	8.03137	7.77111	7.83193	8.43886	8.51297	6.39033	8.46478	7.30921	8.15997	7.51308	7.69422	8.06529
EIF2S2	6.48478	6.52126	6.50736	6.48794	6.78095	6.1556	6.88181	6.87912	6.43689	6.32405	6.6164	6.28188	6.68374	6.74102	6.694	6.52589
EIF2S3	6.92174	7.11405	7.54447	7.50184	7.32824	7.39688	7.46659	7.61729	7.95757	7.62329	7.00117	7.10241	7.2181	7.10725	6.91292	7.12889
EIF3A	8.15007	8.0016	8.8053	8.53555	8.7811	8.41149	8.20121	7.76523	8.68521	8.40588	8.30848	8.68868	7.2954	8.04951	8.59276	8.39657
EIF3B	8.07963	7.4383	7.76581	6.53649	7.52685	7.22425	7.83639	7.34542	6.94242	7.52685	7.70966	7.51567	7.50132	7.77186	7.16505	8.31815
EIF3C	6.02057	4.71747	5.93974	4.74107	5.07679	5.17093	5.36614	4.62117	4.56553	5.1056	4.62733	5.14665	5.69979	5.63381	4.25015	4.887
EIF3D	10.1088	10.3951	9.79789	10.2804	10.6392	9.71962	11.3246	10.3468	10.2398	10.2527	9.94429	9.22889	9.83745	11.0825	10.7134	10.5345
EIF3E	9.07607	9.2812	9.32624	9.31202	8.82383	9.09062	9.74747	9.3797	9.15617	9.32902	9.09448	8.37595	9.43324	9.34263	9.19307	9.41817
EIF3F	7.13792	8.08808	6.71374	7.23499	7.8368	7.08016	6.98458	7.52611	7.13203	7.6948	6.38946	7.71156	6.82903	7.14657	7.49594	7.60433
EIF3G	10.1423	10.2667	9.28935	10.2459	9.66243	9.79735	10.1211	8.46536	8.52934	10.0791	9.59094	10.3468	10.3635	10.7357	9.24623	10.389
EIF3H	7.60929	8.26381	5.46691	7.83372	8.53555	7.84726	9.84759	7.86466	7.19055	5.95435	7.44432	7.36361	7.66255	9.29432	9.07205	9.7968
EIF3I	9.59607	9.94645	9.62162	9.57819	9.70802	8.94422	9.33951	9.4367	9.12823	9.82232	9.71027	9.9611	9.75247	10.0029	9.96791	9.81371
EIF3J	8.15161	8.49885	9.01348	8.72123	9.34402	8.67987	9.0336	9.4479	8.89445	8.91549	9.04127	8.39162	9.21594	8.9973	9.2048	9.56083
EIF3J-AS	7.30458	7.14464	6.58956	7.5342	7.02785	7.71255	6.80609	7.14464	6.64563	7.01959	6.23907	6.62257	7.37273	6.10997	6.83787	6.88646
EIF3K	9.07205	9.10108	8.69304	9.41373	9.1663	9.29696	9.49577	9.19307	9.24623	8.96335	9.0707	9.11102	9.4567	9.58269	9.10034	9.51037
EIF3L	11.9698	12.1308	11.8	11.8254	11.6606	11.5301	11.9498	12.0258	11.9498	11.9698	11.2324	11.9903	11.4919	11.6143	11.8584	11.8369
EIF3M	7.19582	7.02326	7.80726	7.63101	7.85197	8.15007	8.0588	7.89038	7.66255	7.41439	7.45153	7.52046	7.43484	7.86466	7.59765	7.65178
EIF4A2	3.6565	3.71031	3.9258	3.56531	3.33875	2.15563	2.70047	4.25669	5.08822	2.80132	2.63321	3.16915	4.25636	4.1611	3.47504	5.25333
EIF4A3	9.33697	10.0868	9.49437	9.65609	9.85932	9.66243	10.0029	10.0518	10.0079	8.23028	10.3228	9.76707	10.371	9.78173	9.80516	9.75827
EIF4B	7.70564	8.41149	7.94524	9.17582	7.99918	9.04992	7.9949	8.27775	8.76383	8.58859	7.5588	8.63028	8.07629	8.79526	7.96389	8.08135
EIF4E	7.23538	7.31233	7.42114	7.34509	7.8583	7.60078	7.66255	7.53627	7.61626	7.59726	7.81868	6.88386	7.56828	7.45941	7.44071	7.87861
EIF4E2	8.02825	8.56737	8.16276	8.08705	8.65357	8.2838	8.29749	8.29921	8.41922	8.25283	8.37378	8.42938	8.67455	8.63198	8.89445	8.9238
EIF4E3	5.98188	6.3762	6.90567	6.77193	6.40041	6.27603	6.8177	6.64348	6.55527	6.60392	7.1585	6.09438	6.10097	6.9225	6.84836	5.88266
EIF4EBP	7.47138	7.59745	7.13731	7.15615	6.94842	7.89087	8.18994	7.74315	7.05573	7.95978	7.76286	8.14909	8.83206	8.8522	7.01588	7.34016
EIF4EBP	6.98862	6.85308	6.70411	6.81217	6.52709	6.58169	6.49673	6.59148	6.46905	6.57895	6.43573	6.58303	6.68292	6.59699	6.69878	6.37201
EIF4ENII	4.98631	4.90556	5.01414	5.28039	5.53003	5.51686	5.47218	5.74957	5.53457	5.60835	5.24965	4.9692	5.52908	5.17709	5.18024	5.99171
EIF4G1	7.46862	7.18007	7.67711	7.16167	7.13792	7.32518	7.42774	7.40862	7.61653	7.69369	7.42409	7.29473	6.95472	7.97233	7.39005	7.44743
EIF4G2	5.932	6.0422	5.86242	6.15108	6.11045	6.04099	6.79607	6.31023	6.32249	6.18497	6.2896	5.88734	6.67644	6.11865	6.01106	6.39601
EIF4G3	5.768	5.15216	5.46099	5.49373	5.7148	4.94282	4.27998	4.91054	5.17854	5.18956	6.06074	4.89043	5.86329	4.22631	5.60393	5.86803

EIF4H	10.429	11.2822	10.8431	11.1017	10.942	11.3999	10.5124	9.77946	10.5276	11.2558	10.9309	10.3563	10.1739	11.2756	11.2207	10.3679
EIF5	8.06643	8.4721	8.83478	8.59875	8.68099	8.19619	8.35838	8.52275	8.54511	8.4587	8.57988	8.48891	8.69522	8.13632	8.68454	8.38509
EIF5A	5.53739	5.73271	5.70049	5.01016	5.48188	5.9769	5.69813	5.95982	5.48621	5.71755	5.79136	6.03446	6.18631	6.03295	5.99359	5.99457
EIF5A2	5.02465	4.17392	6.97901	4.67154	6.77008	5.9345	6.37043	6.66656	4.49604	4.52512	6.19482	4.69768	5.06219	5.51869	4.71641	7.61901
EIF5B	5.89223	5.6046	6.15861	6.25165	7.28797	6.49574	7.67544	7.64234	6.68544	6.63624	6.65763	5.4309	4.95776	7.21975	7.14059	6.10848
EIF6	9.52199	9.86652	9.22523	9.36362	8.95146	9.47585	9.31073	8.68396	9.09551	9.56807	10.0245	10.0385	9.7947	10.0139	9.01455	9.09551
ELAC1	5.8369	6.24726	5.91125	6.65654	6.83558	6.30778	6.35103	6.37128	6.15721	6.34052	6.33597	6.21818	6.87418	6.66709	6.92962	6.40233
ELAC2	6.00778	5.95105	6.09093	5.59149	6.10768	5.20936	5.95836	6.97291	6.53649	5.97056	5.796	5.68975	6.01991	6.4202	5.95187	6.31578
ELANE	2.34348	3.67703	3.1811	3.13915	2.47594	2.45459	3.31153	2.78286	3.15245	3.26858	1.32308	3.86376	1.22969	1.92414	1.52655	1.70353
ELAVL1	6.41612	6.71256	6.71442	6.32085	7.63362	6.26814	6.76368	6.69517	6.0697	5.7995	6.8247	6.77061	6.98738	7.13865	7.14512	6.95215
ELAVL2	5.66911	5.75483	5.94119	6.48913	5.67796	5.6532	6.4399	6.26547	4.54782	4.86016	6.24479	5.67908	5.81608	5.65385	5.92913	6.1326
ELAVL3	3.4644	4.63097	4.06358	3.36559	3.36231	4.58384	3.66785	2.44876	2.60771	4.10904	3.43024	3.45501	3.71916	4.11551	3.70752	3.65202
ELAVL4	4.93015	5.32985	5.65728	5.68275	5.33989	5.72084	5.74994	5.66581	4.80979	5.1106	5.70357	5.00103	5.11379	5.69738	5.40648	5.34226
ELF1	7.02009	6.11204	7.94301	7.77224	4.95919	7.33414	5.64209	5.03131	6.38895	5.53967	6.37347	6.20911	6.23883	5.67529	6.52048	5.79211
ELF2	7.02599	6.2474	6.91987	6.86436	7.26483	6.90589	6.50257	6.46938	7.08843	6.4977	6.68524	5.95242	6.73688	6.51384	6.85972	7.08078
ELF3	10.1842	8.61815	7.93762	8.8144	7.12889	6.92962	7.83406	6.06475	8.42133	7.90443	7.22727	6.98458	7.81334	6.67922	6.96582	8.06065
ELF4	5.23593	5.71666	5.58126	5.5537	5.59237	7.20816	6.49706	5.90047	7.23063	4.86049	7.7899	5.73055	5.91883	7.30165	5.37873	5.40727
ELF5	5.71111	5.39225	5.5537	4.55379	3.26737	3.78507	5.38422	4.05521	4.30874	6.43854	5.2467	5.12234	4.03667	5.89295	4.06358	4.96429
ELFN1	6.54966	6.15674	6.56431	6.23179	3.44117	6.78087	4.78492	5.7457	5.14845	5.98834	6.38394	6.26776	5.77971	6.22225	6.51815	6.13746
ELFN1-A	8.09751	8.19619	7.99147	8.27215	7.82597	7.95868	8.22892	8.36116	7.68518	8.137	7.68343	8.26281	8.35903	8.2838	7.82261	8.22455
ELFN2	5.98732	4.8484	4.8242	5.31618	5.26618	5.48818	5.85303	5.21894	5.13747	5.19867	5.68755	5.33989	5.08944	5.98501	4.85406	5.89092
ELK1	5.25786	5.27021	5.25952	5.64024	5.15281	5.46231	5.62634	5.9645	5.31712	5.38078	5.73966	5.41414	6.31164	5.23378	5.54077	5.53181
ELK2AP	6.66731	6.06227	4.81041	6.43444	6.31957	6.73741	5.70528	6.94031	4.72178	5.57193	6.25692	4.68011	6.73909	6.68791	5.35492	7.02388
ELK3	6.78968	7.1002	7.5305	6.72304	6.89281	6.31858	6.53972	7.20976	6.6447	5.76823	6.599	6.35004	6.70872	6.88265	7.37737	6.1223
ELK4	5.43309	5.0631	5.97352	6.20342	5.06404	5.21626	5.49063	5.30315	5.72995	4.53119	5.93563	5.09699	5.67796	5.3139	5.85529	5.74785
ELL	4.32063	3.15782	4.40595	4.63606	4.07985	3.04006	2.89422	4.47194	4.1099	4.47779	3.77106	3.43133	4.31641	4.02516	2.96846	3.64114
ELL2	6.26834	5.99359	7.04364	5.96515	5.8191	5.0963	6.52891	6.77286	6.54712	6.2907	6.45214	6.13292	6.00481	6.60609	6.45064	5.0999
ELL3	9.04127	8.29063	6.85409	8.43072	8.3093	6.67057	6.01907	6.89348	7.13054	7.1324	6.10632	7.83726	6.71374	5.51296	6.5312	8.80228
ELMO1	5.92269	6.75593	6.282	6.35401	6.86277	5.22596	5.55964	6.49041	6.85775	6.80229	6.45819	5.99129	5.48407	6.29144	6.64457	5.5809
ELMO2	6.47846	6.10931	6.90589	6.34393	6.40473	6.83389	6.72785	7.17279	6.35309	6.21719	6.85409	6.85063	6.36201	6.30604	7.11823	6.0893
ELMO3	7.33791	6.54082	5.67169	6.27539	6.48536	6.35595	6.08549	5.9856	6.77043	6.85697	6.67513	7.85291	6.70155	7.32145	5.83977	7.12855
ELMOD2	5.50389	6.35462	5.15216	5.1141	6.3741	5.56538	5.64679	5.54156	5.54484	5.62168	6.03408	5.75038	5.86472	5.33428	6.34979	5.01758
ELMOD3	4.75238	4.15744	4.83835	3.21843	5.0419	5.29139	2.90726	4.07245	3.50839	4.14078	3.91647	3.33905	4.78274	3.9369	4.42197	3.99805
ELMSAN	5.96113	6.42572	7.04241	6.78789	6.42868	5.96269	6.22203	6.75235	6.27641	6.67459	6.40072	6.59837	6.03045	6.45625	6.6643	6.27019
ELN	6.395	6.03276	6.23354	5.55036	5.3882	5.61082	5.55676	5.7106	5.38484	6.04132	5.6566	6.02475	5.32428	5.91251	5.40426	6.10649

ELOF1	9.99653	10.1842	9.69136	9.52795	9.0336	9.76707	8.17707	6.77516	9.72612	10.0193	9.67089	10.4989	9.51684	9.26858	8.48222	9.54799
ELOVL2	3.48036	5.66107	4.90058	4.64502	4.07031	5.73359	4.61847	5.19477	4.66687	5.07305	3.16412	5.9336	4.02718	3.75252	4.98862	4.52741
ELOVL2-	5.79227	4.49731	5.19266	3.17801	4.4489	5.41963	4.43758	2.40011	2.79078	5.15052	4.20991	5.31858	4.61995	4.33558	4.95919	5.55105
ELOVL3	2.77283	1.22235	2.3147	2.43076	1.26539	3.76182	4.6631	0.88665	0.80062	0.85718	2.15913	4.3486	0.93298	0.89896	1.26858	2.5569
ELOVL4	1.64611	1.62441	3.19256	2.65796	2.55772	2.51251	5.16332	2.64349	2.86093	2.5437	6.35993	2.41615	1.7762	2.09344	2.34348	1.96263
ELOVL5	7.78353	7.93728	8.23238	7.97105	7.37266	7.81359	7.6668	7.5386	7.69696	7.66915	7.54909	7.54722	7.71993	7.46733	7.62364	7.55668
ELOVL6	5.25494	4.97729	5.1964	4.07985	4.87494	5.22874	4.98334	4.19827	6.52323	5.6494	5.80097	5.27822	4.37953	6.15194	5.80597	5.9118
ELOVL7	7.3761	7.67916	7.8954	6.93472	7.4234	7.55108	8.96233	8.97654	6.25847	6.70731	7.79248	4.01677	8.41335	7.46213	8.01148	9.33697
ELP2	6.73522	6.46361	6.40411	6.46753	7.12375	6.75115	7.13275	6.86277	6.61529	6.71935	6.32955	6.54069	6.25418	7.1664	7.07599	6.96741
ELP3	7.44956	7.84604	7.42833	7.1334	7.65726	7.8991	7.62214	7.81141	7.07057	7.55668	7.61008	7.87706	7.16799	7.62638	7.14114	7.68134
ELP4	6.62616	6.23163	6.23022	6.81894	6.62425	6.51684	5.493	5.83208	6.41511	5.88112	6.66461	5.7905	5.93424	5.81078	7.25051	6.51995
ELP5	7.65586	7.62073	6.93183	7.73741	6.44702	6.52729	6.8912	5.60583	5.44882	6.85663	7.87581	7.69505	8.154	7.98728	6.86529	7.66727
ELP6	5.9813	7.40994	5.94989	5.62881	6.26313	6.24458	5.593	6.16152	5.64126	6.94115	7.41093	6.77706	6.59622	5.37133	6.63846	7.06345
ELSPBP1	5.2904	6.23354	5.8266	6.08039	3.71929	5.89737	6.73923	6.8268	6.27012	5.86436	6.36989	5.57353	6.93102	5.89557	6.08974	5.57637
ELTD1	5.40326	3.55786	7.5658	5.5524	5.75909	6.85382	5.74444	6.1296	5.50616	5.59977	7.99167	4.3216	5.87016	4.58025	6.12774	3.61186
EMB	5.79014	7.17711	6.86547	7.08255	7.32272	7.14362	6.23481	7.14258	7.34801	7.12545	7.3706	6.5465	6.46724	6.03254	6.36854	6.6589
EMC1	3.58935	3.26676	3.47163	3.5702	3.63794	4.22701	4.08085	3.72694	3.70654	3.7297	4.25308	2.98436	4.25266	4.24728	4.49578	4.10904
EMC10	4.33627	4.07403	3.80871	4.61373	4.65792	5.08048	6.07349	4.77905	4.88397	4.93717	4.09796	5.61405	4.29343	4.55979	4.59407	4.55237
EMC2	9.50129	9.3733	10.0218	9.90783	9.91148	9.02378	9.35321	9.66911	9.88457	9.54485	9.3797	8.25253	9.09551	9.65256	9.34402	9.63286
EMC3	6.8071	6.70305	6.55936	5.76704	6.85564	6.69435	7.33669	6.37201	6.32482	7.6532	5.915	6.21387	5.55094	6.32627	5.34279	6.79643
EMC3-A!	4.10344	3.52573	5.01314	3.87736	3.48434	5.31609	7.49443	3.94809	4.95856	4.87162	2.93839	4.49971	4.08241	5.55549	4.90254	5.98353
EMC4	9.27726	9.08296	9.38206	10.0667	8.72673	9.92065	8.03457	8.65925	8.8522	9.61082	9.24862	9.51497	9.49156	9.45518	8.6233	9.11537
EMC6	9.58421	9.6967	9.80678	9.90431	8.49143	9.41034	8.24702	8.65073	7.85043	8.60522	9.29927	10.3228	10.1183	9.7968	8.7811	9.32342
EMC7	7.36877	7.48357	7.77224	8.14058	7.79463	7.51214	5.60255	8.2773	7.92262	8.14417	7.84852	6.62218	7.24511	7.51761	7.65647	8.00348
EMC8	7.14616	7.51172	7.10969	7.30834	7.77017	7.45485	6.90878	8.23685	7.02171	7.62768	7.69946	7.36398	8.13104	7.68174	6.86297	7.93806
EMC9	7.432	6.85121	6.97236	6.05854	6.85993	6.56041	3.49217	7.51898	7.77611	7.32272	8.10604	8.23953	8.50939	3.44975	4.91938	7.21604
EMCN	5.65292	5.97527	6.92393	6.38087	5.24569	6.4969	5.1356	6.04351	4.26924	6.66869	5.97293	5.84195	4.56962	5.45924	6.0027	5.25825
EMD	6.75392	6.9595	6.97093	7.30446	6.5997	7.31408	6.73533	6.94457	7.50047	7.76993	7.33274	7.23063	7.99147	7.50047	6.80543	6.86113
EME1	7.08123	7.21091	7.23672	6.87096	7.28046	7.39559	7.43943	7.45459	7.66558	7.12749	7.419	7.62768	7.45526	7.97691	7.60398	7.62433
EME2	5.92409	6.07137	6.18679	4.95585	5.81646	4.62043	5.38679	6.24025	5.53003	6.24242	5.42977	6.38675	6.176	5.78411	6.61966	6.29873
EMG1	8.0731	7.97053	8.03847	9.19651	9.9217	7.8597	7.68518	7.43579	8.42097	7.72349	9.0751	9.00248	8.70969	9.46135	8.84762	8.44151
EMID1	5.07535	4.88353	5.34452	5.29504	4.96002	4.74151	5.15387	6.03446	5.27088	5.25618	4.24573	5.48534	4.9984	5.66035	5.60928	5.02373
EMILIN1	3.04535	1.94258	2.29132	2.50291	3.98376	2.21366	3.2194	1.44837	1.92414	3.98113	2.72092	3.62346	1.97096	3.82047	3.23099	2.22886
EMILIN2	6.17202	6.04916	6.381	6.03205	6.56645	6.05071	6.78078	6.1982	6.69495	6.16396	6.96157	6.82203	7.10858	6.33704	6.93247	7.19128
EMILIN3	6.04863	3.21812	3.97828	3.44117	3.9057	3.25596	4.935	4.89413	4.52735	4.39244	5.22953	4.73947	5.67961	3.16811	3.8556	3.41778

EML1	7.31041	6.40473	6.1383	6.69747	6.1716	6.16037	6.07197	5.81289	6.03336	6.2054	5.50389	5.65728	6.29559	4.75713	6.97717	6.24408
EML2	4.95395	5.44224	5.20104	4.32015	4.68925	4.52724	5.07535	5.21721	5.09667	5.31821	4.95325	4.26048	5.05869	5.17761	4.46879	4.94944
EML3	5.92167	5.57066	5.15466	5.05638	5.0963	5.19321	5.12587	5.04665	5.67778	4.64707	5.6255	5.38391	4.37418	5.20317	5.03614	4.95066
EML4	6.25817	6.43161	6.03933	6.24968	5.63752	5.93821	5.90975	6.22725	6.56051	6.08596	6.3281	6.27798	5.6905	6.13654	6.18061	6.08951
EML5	4.32526	4.70533	2.90014	4.34414	5.00506	2.66669	4.71325	2.99797	3.91052	4.33222	4.71386	3.94083	1.26539	5.02351	3.91689	3.09607
EML6	5.08327	4.47807	4.8578	4.94318	4.02075	4.63995	4.82805	4.68783	4.45196	4.57473	4.49636	4.71106	4.54485	3.98737	4.62196	4.1135
EMP1	5.55632	5.06762	6.15616	5.27534	6.43998	6.06247	6.52859	4.94079	5.61012	6.8319	7.28781	5.50806	4.96105	5.38177	6.50752	5.95617
EMP2	8.26281	7.10697	7.98889	7.69946	7.98276	8.36563	8.57221	7.79893	7.93941	7.80888	7.7809	7.23328	8.02733	8.53182	7.99451	6.94494
EMP3	7.97484	8.39965	9.48779	9.27221	7.58099	8.22755	7.3959	6.64827	8.11898	8.70415	9.77645	10.4548	8.62066	8.66491	8.184	7.81359
EMR1	5.06786	6.1607	5.19903	7.16525	6.72689	7.8862	8.64502	8.32303	6.34176	6.4665	9.05969	7.65851	6.23157	5.16562	7.02436	6.53136
EMR2	4.97512	6.21138	6.4057	5.94627	5.98336	6.19616	6.16413	6.32482	6.79006	6.35993	7.33842	6.00511	6.02327	4.41614	5.96484	5.56354
EMR3	6.03937	7.10312	6.8181	6.95066	5.90098	6.48445	5.65267	5.35451	6.5702	6.69435	6.02333	6.73122	6.63063	6.03781	4.31059	5.72346
EMX1	2.98506	2.46272	2.81121	2.88071	3.14557	2.93381	3.03237	3.52249	2.13825	3.18735	2.24458	2.81338	4.82835	3.27909	3.33112	3.55993
EMX2	2.58692	3.13884	1.54854	2.93958	3.50802	5.02328	6.19445	2.34717	4.06039	5.91108	2.01441	4.3216	5.64923	2.09344	4.8692	3.18938
EMX2OS	5.49916	5.3226	4.05144	4.92117	4.45735	3.47019	3.84282	5.36602	4.2027	4.67069	4.66213	5.01713	5.52702	4.7818	5.02308	5.38803
EN1	4.12999	4.66437	5.1385	5.61979	5.69349	3.88596	5.68863	6.33978	4.64364	5.03724	5.54982	5.50994	5.24301	4.42968	5.99212	5.67296
EN2	4.57516	3.4933	3.98497	4.05472	6.01106	5.82474	6.42527	3.29115	4.5431	3.15532	3.53424	2.76999	6.43526	6.24025	3.32134	5.2021
ENAH	7.49517	6.84758	6.84483	6.86811	7.82748	7.11366	7.90495	6.42486	6.93224	7.5276	6.73987	6.95233	7.87611	7.72199	7.75576	7.53155
ENAM	3.3448	3.67214	3.17712	3.2376	3.00268	2.6399	2.21817	3.09332	2.72294	2.92289	4.02546	2.88516	3.04791	2.33387	2.22967	3.15571
ENC1	6.10582	6.33001	7.3061	5.76416	5.4874	8.69356	5.79256	5.34336	5.54389	7.12924	6.57513	6.0757	7.14133	4.76987	6.0104	4.2497
ENDOD1	7.131	7.22049	7.06524	7.38774	6.54028	6.12427	6.81379	6.82962	6.76871	8.10118	8.04247	7.01358	7.03653	6.40739	6.96309	6.32249
ENDOG	6.98662	4.04274	3.30294	5.93381	3.18522	4.68499	3.61825	5.36903	4.92312	5.77406	5.97649	4.36401	4.44582	2.79431	3.23099	3.55993
ENDOU	3.35226	2.56774	3.58903	3.28542	2.65839	3.66504	5.3089	3.21508	2.83517	3.44491	5.81672	3.42733	3.26844	3.26302	3.26899	3.62113
ENDOV	5.50359	5.70391	5.13767	5.62065	5.27844	5.73271	4.91924	5.12795	5.02925	4.94719	4.82167	5.26091	5.36964	5.40291	4.72736	5.69472
ENG	4.58668	5.22694	5.31739	4.30526	4.71174	5.37172	5.11456	5.37466	5.14196	5.12344	5.41358	5.55288	4.75257	5.36656	5.1722	5.2261
ENGASE	8.75563	8.82696	8.901	8.38085	8.22402	9.03868	8.86149	8.8262	8.74814	8.78405	7.8922	9.41176	8.32579	7.85449	8.67903	8.62766
ENHO	2.53024	3.91554	3.1811	3.25646	3.62835	3.67619	3.58877	4.00856	3.63964	3.44491	4.28288	3.87137	4.28649	3.67678	2.54889	3.52431
ENKD1	8.8088	7.49393	7.22682	7.89659	6.4838	7.09584	6.2284	7.15338	7.26223	7.47229	6.84402	7.43226	6.4483	7.85599	6.75262	6.49899
ENKUR	9.09316	7.42455	6.54205	7.93704	5.8832	5.16691	5.97229	6.17362	6.45026	5.77793	5.39741	6.28872	6.32323	6.42461	5.92694	5.92868
ENO1	6.15753	7.18918	6.41372	6.21656	7.14362	6.81265	6.4299	6.68352	6.68871	7.276	7.12545	7.28432	7.15875	7.89256	6.78968	7.16758
ENO1-AS	5.9025	5.68875	4.65435	3.33739	4.05118	3.25596	1.68451	5.5188	3.36695	4.73279	4.49934	5.62225	3.7479	5.26764	3.12323	4.25809
ENO2	6.68626	7.48498	7.43213	6.30541	7.05524	7.15413	6.59245	6.8268	7.18801	6.70731	6.12395	7.43469	7.11689	9.00017	8.29749	4.65881
ENO3	4.08829	4.87936	5.69979	4.28169	6.14906	5.05959	4.83015	5.04479	4.85948	6.28777	4.44564	5.48792	6.13872	5.52733	4.92179	5.93115
ENOPH1	9.1846	9.67862	10.0472	9.7337	10.4743	10.032	10.0415	10.0285	9.60844	9.86381	10.0953	9.19844	9.90431	10.3531	10.5753	10.2195
ENOSF1	7.39533	6.83636	6.5312	6.57028	6.78541	6.25137	6.76542	7.67333	6.59531	7.61764	6.42113	6.44056	6.7888	6.35256	5.78642	6.84862

ENOX1	6.42465	6.72754	6.92489	7.18064	8.10225	6.68061	7.69763	8.30977	6.78596	5.83715	6.78596	7.19136	6.19705	7.47821	7.76101	6.60507
ENOX2	5.82413	4.91529	5.75308	5.71141	6.33549	5.87645	6.8423	5.86436	6.65907	5.8734	6.18324	6.37347	6.2736	5.69927	6.15738	5.89027
ENPEP	5.47426	5.40501	5.56135	5.55605	3.99254	5.31111	5.22914	5.80642	4.33657	5.8116	5.57693	4.98558	5.40648	4.09851	5.65081	4.43347
ENPP1	4.26185	4.79935	4.2727	3.96659	3.82792	4.06039	3.98194	4.73835	4.18064	5.01102	3.4102	4.57559	4.56877	4.44041	4.45689	4.10961
ENPP2	7.39559	9.12823	9.45824	9.13069	10.3113	9.42357	7.79044	9.93918	9.37224	7.51214	9.22273	7.85064	8.83956	7.02351	8.35614	10.617
ENPP3	8.40947	7.12375	6.22536	7.35652	6.68041	5.23593	5.40727	5.65526	6.60839	7.06345	4.24019	6.50576	5.73664	5.13823	5.23942	4.9742
ENPP4	8.5569	8.06643	8.39162	8.76383	7.30333	7.15506	8.37894	8.7291	7.45266	7.81677	8.0146	6.67513	6.60033	5.70584	7.28627	8.75835
ENPP5	8.09183	6.28247	5.95297	6.82178	4.73386	4.25972	6.0632	6.07925	5.85911	6.97145	4.46303	4.80964	4.84753	4.63675	5.35968	6.71896
ENPP6	2.30837	4.80626	1.32681	4.19106	6.07822	5.76151	5.63956	1.51119	4.4546	3.83015	1.15042	4.53042	4.46842	5.73779	4.83434	1.1038
ENPP7	6.29815	6.34863	5.43134	6.57312	5.40426	6.16175	7.00801	6.34947	6.03446	6.46055	6.83535	6.77365	7.22129	6.54702	6.41911	5.92292
ENSA	6.59148	6.78488	6.30248	6.68395	6.01665	6.7284	6.76332	6.76245	6.67304	6.82513	6.95611	6.8181	7.13731	5.89092	6.43957	7.13403
ENTHD1	3.61993	3.37396	3.97184	3.95025	5.38217	4.40775	3.17146	2.44455	5.43322	3.10115	3.04581	4.04356	5.42135	2.76343	4.72646	4.60347
ENTHD2	6.64424	6.63133	6.44405	6.06337	6.381	6.8966	6.08163	6.60878	6.72816	6.26381	6.44114	6.93602	6.4564	6.22601	6.80111	6.90705
ENTPD1	6.3927	7.43659	7.66179	6.52442	6.83019	6.90487	6.02244	7.86725	7.86869	7.22861	7.91065	7.24146	6.99143	6.61672	7.51249	6.91774
ENTPD1-	7.30694	6.61588	6.81286	6.6732	6.77897	7.14295	7.00172	8.07356	7.23363	6.84701	6.82178	7.38189	7.09595	7.27491	6.70858	7.392
ENTPD2	3.2187	3.29216	3.6392	3.52327	3.54284	3.55406	3.23061	4.20655	4.03876	4.24599	4.16172	3.56937	3.45794	3.37486	3.28711	3.74466
ENTPD3	6.75319	6.95897	4.98419	6.36294	5.55129	6.01691	4.888	4.89975	6.65179	8.38448	4.93158	5.10724	4.53186	6.08449	4.96429	4.79259
ENTPD3-	3.44273	4.13063	3.37247	3.76038	4.9314	3.79752	3.73393	3.58474	3.97161	3.53934	3.93173	3.7042	3.50584	3.87671	3.662	3.75934
ENTPD4	6.70524	6.16792	6.55896	5.78159	6.23891	5.80597	6.58066	6.00991	5.48056	6.59344	5.93145	5.64209	5.44648	6.53152	5.72103	5.95799
ENTPD5	5.63161	5.56771	4.54977	4.76177	4.33979	4.51613	4.75073	4.65034	5.29544	6.03535	5.53181	5.36481	4.74354	4.89312	5.20466	5.42199
ENTPD6	5.97916	6.4299	5.83474	6.00586	6.23412	6.20463	6.22032	6.73482	6.75115	7.88907	6.51642	8.11563	5.8691	5.83989	6.09904	6.40363
ENTPD7	7.0964	5.84122	6.48183	6.27756	6.57977	6.64591	6.77706	5.1134	7.10208	6.36517	7.08016	6.39896	6.53264	6.44728	7.19309	5.67812
ENY2	7.10635	7.97147	7.22146	7.60658	8.2507	7.7485	8.48507	7.64589	7.5753	7.73468	7.69724	7.04151	7.99918	8.14058	8.25183	8.20812
EOGT	6.75611	6.01811	6.27962	6.46685	6.27938	6.69654	6.67107	6.31081	5.66879	7.10172	6.7557	5.38586	5.81769	6.67673	7.16343	6.84655
EOMES	6.59933	7.2277	7.86279	7.26312	8.16276	7.63234	6.29119	8.04821	9.03868	6.59193	8.06455	8.29715	7.88701	5.96474	6.986	7.93452
EP300	7.31148	7.53935	7.71742	7.69052	7.29896	7.79463	7.88003	7.30355	7.19735	7.69972	7.52261	7.18095	7.55633	7.4807	8.00842	7.65586
EP300-A	9.85111	8.94383	6.35993	8.87664	7.15303	6.6178	9.10246	8.81813	7.51577	6.53737	6.70101	6.47077	6.83067	6.88379	5.50672	6.82096
EP400	6.13169	4.73809	6.17008	5.31668	5.35761	5.8259	6.26477	5.2002	5.52936	5.49524	5.4486	5.36001	5.70866	5.49524	5.59669	5.25162
EP400NL	4.80845	4.8471	4.43729	4.50487	4.72569	4.86906	4.62908	5.0084	5.02328	5.38032	4.7908	4.39898	5.13192	4.88663	4.79228	4.77096
EPAS1	7.68546	8.24872	7.41264	7.07175	6.90246	6.32382	6.94426	7.47174	6.41612	7.55198	6.59516	6.233	6.3267	6.10379	7.37635	6.64445
EPB41	3.3566	4.70279	4.89893	4.73108	4.53375	4.84118	4.46753	4.81793	4.64607	4.55504	4.61534	4.7732	3.95155	4.99004	3.90025	4.60738
EPB41L1	5.00608	5.14147	5.03131	4.60738	4.56336	5.03092	4.69519	4.37334	4.6025	5.41177	4.83573	5.01785	4.30874	4.41729	5.324	4.65553
EPB41L2	5.24505	5.4251	5.54665	5.36091	6.05758	5.79356	5.8734	6.20838	5.74832	5.83943	5.63291	6.4328	6.82513	5.18587	5.74611	5.66305
EPB41L3	5.86766	6.64424	6.76563	6.11841	8.42505	5.91883	5.84617	6.99689	7.82698	6.53804	8.4172	5.99244	5.40501	5.76403	6.42469	6.85546
EPB41L4	4.45019	4.69768	4.59407	4.44979	4.9341	4.47732	4.71531	4.69014	4.79376	4.49355	4.60801	4.70184	4.86595	4.69574	4.82646	4.88984

EPB41L4	8.95696	8.7381	8.53034	9.00106	8.26134	9.31733	8.86269	8.26232	7.13904	9.13921	7.68215	8.60654	8.8123	9.59537	8.09094	8.87897
EPB41L4	6.92385	7.08988	7.02558	6.8872	6.88319	6.78398	6.8975	7.18623	6.2519	7.17539	6.95677	6.76142	7.14668	6.81906	6.92419	6.83089
EPB41L4	6.63278	6.34254	5.47974	6.03469	6.1073	5.4315	6.47564	6.07712	6.07045	6.15488	5.85076	5.75337	6.18795	6.3643	6.42602	6.8419
EPB41L5	5.78642	6.05447	5.5524	5.61854	6.48455	5.51058	6.4377	4.92411	5.38841	6.29719	5.7268	4.55792	5.66749	5.76673	6.20554	5.89084
EPB42	1.70087	2.29438	2.42383	1.93131	2.0729	2.18538	3.71929	3.10948	3.11326	2.04282	2.27492	2.59016	2.31554	2.31516	2.34348	2.10224
EPC1	6.81894	6.96375	6.60229	6.91014	7.2218	7.10804	7.03928	6.38857	6.99895	6.15923	6.7602	6.12342	6.23366	6.45583	6.37591	6.57993
EPC2	8.35203	8.26791	7.91573	8.23325	7.70564	8.07825	8.52724	8.20228	6.89847	7.55124	8.21863	8.09183	7.9507	7.90998	8.16934	7.71776
EPCAM	11.2693	10.617	10.6075	10.7062	11.5856	10.1781	11.5105	11.7562	11.1559	11.5015	7.30945	10.2667	10.8808	11.118	11.4854	11.7002
EPDR1	5.73217	5.05825	6.19154	5.85864	3.75099	5.83799	5.3089	4.52735	5.8292	6.02598	5.53553	5.72913	4.16937	5.23003	5.57669	3.89582
EPG5	5.19529	5.20037	5.97782	5.14354	5.49916	5.33633	5.00639	5.64209	5.65907	5.47935	5.35628	5.4188	5.26131	5.26452	5.73188	5.38864
EPHA1	4.52838	6.13951	6.09592	5.5278	5.85168	5.99489	6.17788	6.31242	5.94198	6.51112	5.78012	5.8635	5.64485	6.22463	6.07064	6.24793
EPHA1-A	6.54861	6.56131	6.89966	6.82158	5.75522	6.38192	6.83297	6.79573	6.5318	6.40159	6.32349	6.68643	6.45489	6.42054	6.3419	6.49484
EPHA10	4.91294	5.5306	4.99999	4.52188	4.92903	4.46349	5.42618	5.78287	4.87494	4.95828	4.75769	4.87555	5.97716	5.95001	5.40444	5.62516
EPHA2	7.57474	6.59293	6.72297	6.31316	4.51886	4.55731	6.17104	5.37804	4.33436	7.27891	7.53993	6.99978	4.82475	4.82245	7.34693	4.61107
EPHA3	4.35543	4.91702	4.85485	4.78796	3.44868	5.09234	3.89843	4.94021	3.93836	4.89474	3.96928	4.26628	3.66318	3.86158	3.36509	5.47492
EPHA4	4.63956	3.93872	4.81941	4.70407	4.30008	4.70708	5.67054	3.69634	3.81102	3.95025	3.40918	4.46303	4.59455	3.58161	4.01168	4.60294
EPHA5	3.706	4.80177	3.9093	3.93385	4.37497	2.71255	3.57987	4.30438	3.88575	4.03714	4.08647	3.6993	4.41812	2.96494	3.49445	4.45735
EPHA5-A	3.77751	4.38909	4.42144	4.36112	3.64173	4.2803	3.0573	4.60422	2.70734	4.74035	4.05647	4.19789	3.28382	4.05603	2.97605	3.95427
EPHA6	3.64889	3.42322	3.95956	1.91706	3.4928	3.08893	2.07729	3.59313	2.65839	4.08394	4.09892	2.77897	4.93968	2.11428	3.03679	3.40102
EPHA7	4.02634	4.85179	4.39393	3.90987	4.30874	4.42191	4.35988	4.21576	5.01734	4.67029	3.70011	4.10475	3.25706	4.30438	3.99573	3.74341
EPHA8	4.83993	4.95192	5.61572	4.35308	4.72209	5.41414	3.73033	5.29579	4.52282	4.76796	4.85998	5.51577	4.47382	4.81824	5.22842	5.31006
EPHB1	4.1135	4.28848	3.91275	4.58758	5.05202	4.25238	5.02484	4.06695	4.25148	4.77693	4.93532	4.3331	4.24599	4.87494	5.07734	5.58168
EPHB2	4.68671	4.67727	4.61929	5.31378	5.55891	4.46917	4.84059	4.68137	5.6488	5.3543	5.03438	4.43413	5.08271	5.73121	4.85307	5.24471
EPHB3	5.56354	4.50111	4.46942	3.72504	3.78731	4.51419	4.46262	3.86359	4.45614	7.89942	5.06539	4.87682	3.57207	4.01473	4.17126	4.2251
EPHB4	6.67173	5.62516	6.05388	5.70049	5.96883	7.33925	6.71524	4.29049	6.235	6.62048	5.65486	6.56975	5.37446	6.58226	7.36164	7.2577
EPHB6	6.67366	7.33814	7.45251	7.6971	7.11689	7.06134	7.27694	7.50555	6.66184	7.48326	6.02526	7.62582	6.88611	7.11898	6.56645	7.45198
EPHX1	3.91761	4.33402	3.50622	4.00732	5.26818	4.01812	4.82631	4.1399	4.99264	4.21305	5.46222	4.48458	4.49752	6.62814	4.32106	4.1998
EPHX2	6.16109	5.8704	3.50622	5.94126	6.13912	5.03715	7.77079	6.12266	4.17624	6.06084	5.20401	5.363	5.6866	9.31854	6.76303	6.70707
EPHX3	6.72122	6.73794	6.05522	6.10744	6.60843	6.01466	8.45605	6.76303	5.92675	6.42295	6.36735	5.8373	3.58948	7.94855	5.65551	7.69174
EPHX4	2.72538	4.68764	5.42404	5.5524	4.47624	5.03715	2.67152	4.16157	3.38569	6.03361	4.76241	5.21937	1.86408	4.49472	4.40237	3.79382
EPM2A	5.95392	5.44628	5.65506	5.20628	6.31261	5.53244	5.17831	6.53205	5.61854	5.76261	6.38582	6.65763	5.90647	6.25548	5.76449	5.15827
EPM2AIP	7.61901	7.72534	8.02382	7.72821	8.25183	7.73627	7.16525	7.97233	7.94931	8.43605	7.34333	7.41505	7.12487	7.20233	7.36564	7.91547
EPN1	5.50982	5.47581	6.24911	5.29829	4.69327	5.38297	4.91813	5.31739	5.74303	4.95161	4.34547	5.9868	5.60165	4.98058	5.19927	5.90235
EPN2-AS	6.52805	6.06227	6.10848	5.41994	5.87165	6.1132	5.88592	6.15282	5.86424	6.10171	5.24464	5.79382	5.96738	5.71685	5.44017	6.18726
EPN3	6.71089	6.59734	5.14895	4.93968	4.69896	5.70866	6.23048	5.15827	6.599	5.48108	5.64161	5.68816	3.81207	5.60298	4.85676	4.91905

EPO	4.96449	3.92354	4.72913	4.31108	4.69014	4.85735	4.02495	4.40463	4.48984	4.33825	4.62587	4.30829	4.16372	5.36727	4.13219	5.54936
EPOR	4.68191	5.46755	5.05384	4.96879	5.21864	4.6265	5.40398	5.49937	4.88247	4.27152	5.12383	4.65034	4.85833	4.08195	4.64769	4.86016
EPPK1	6.47043	5.9914	5.13292	5.74127	5.73398	6.34163	6.40488	5.40477	5.5785	6.2982	6.46341	5.1957	6.11511	6.45064	5.03573	5.01511
EPRS	7.72445	6.84483	7.83502	7.79105	7.35989	7.35459	8.73274	7.79351	7.47865	7.17603	7.10108	7.19222	7.61077	8.03646	7.68457	7.18064
EPS15	8.52275	9.15499	9.36057	8.81753	9.73676	9.14677	10.0051	9.86652	9.22973	9.12237	8.96715	8.3403	8.8144	9.2593	9.28266	9.10034
EPS15L1	5.83859	5.02308	5.57898	5.2021	5.43226	5.5837	5.63587	5.71975	5.78351	5.23178	5.66258	5.64954	5.48228	5.57155	5.26039	5.44119
EPS8	9.15368	8.62113	9.22931	8.8861	8.35355	8.11615	7.75751	8.11678	8.31916	9.12823	7.62466	7.49227	7.06113	7.70859	8.14058	7.74315
EPS8L1	7.36993	5.64784	5.77111	5.26764	4.52354	5.22008	5.41616	5.37386	5.45803	5.69697	7.01184	5.05059	5.20228	5.46187	5.40326	4.91796
EPS8L2	5.65765	5.51451	5.53265	4.63208	5.46335	5.3328	5.70755	4.31399	4.85572	5.17489	5.88508	4.79626	5.04665	4.89694	5.10007	4.62693
EPS8L3	5.31338	5.87392	5.25119	4.76672	6.31957	6.00736	6.10352	6.25805	5.98188	5.92053	6.28422	6.42535	5.69979	4.31831	6.51815	5.98886
EPSTI1	7.93861	8.81879	9.73676	8.58419	9.43955	8.51199	8.74907	10.2113	9.14235	7.059	9.63482	8.71319	8.52134	8.6233	9.63286	9.30365
EPT1	5.66806	5.94974	7.05622	6.64551	7.36993	5.82871	6.84156	6.24509	6.47821	6.08497	7.32679	6.0893	6.45583	6.26766	6.8266	6.34082
EPX	3.57397	2.34474	3.11137	3.41062	1.77016	1.59197	2.81469	3.10948	1.92414	2.85867	2.34474	2.56799	3.00618	1.5436	1.44837	1.80953
EPYC	4.93295	2.04582	4.17984	2.58828	5.81346	5.34835	5.41247	3.84143	3.78033	2.66614	5.35576	4.79449	4.57269	5.30223	5.6968	5.26217
EQTN	3.33011	2.80584	2.85812	1.98342	2.77795	2.96494	2.17636	2.47844	3.44414	2.1411	3.30982	2.83774	1.92173	1.86408	2.2824	2.80263
ERAL1	6.88587	7.35527	7.68956	7.00283	7.0247	6.6346	7.03703	8.43072	7.66951	7.42028	7.04587	7.6884	7.24743	7.62433	7.47124	6.99001
ERAP1	6.88841	6.50491	7.14679	6.76951	6.89588	6.90514	7.04028	7.06144	6.74529	5.97338	6.85717	6.73883	6.87082	7.74315	7.18517	7.35181
ERAP2	4.42658	4.03892	5.13733	4.49797	5.35829	4.41255	4.04356	5.67243	4.70583	5.22533	5.98103	4.93282	4.61634	4.32453	4.26501	5.4168
ERBB2	5.1964	4.58884	4.01736	4.23182	4.22425	4.36033	4.57572	3.69689	3.96715	4.97134	3.54143	4.35054	4.61847	4.83857	2.71947	4.53938
ERBB2IP	7.6195	7.74423	7.73179	7.20659	7.3425	7.62033	7.31389	7.00326	7.14173	7.19735	7.59995	6.90952	7.26423	7.23475	7.1961	7.322
ERBB3	6.74964	7.1008	6.71031	6.85063	6.7877	6.38857	6.37294	6.24442	7.22613	7.15152	6.56859	6.64551	7.03173	7.14295	6.68374	6.94714
ERBB4	5.13399	4.59267	5.21738	5.42899	5.11002	4.61408	4.91008	5.40235	4.2696	5.82053	4.53679	4.26599	4.75459	4.66492	4.51847	5.42739
ERC1	4.9789	5.0241	5.22533	5.09584	5.10517	5.36001	5.00238	5.56198	5.19457	5.21117	5.17376	5.08852	5.21219	4.648	5.24924	5.21878
ERC2	2.40819	5.46805	4.34691	4.7949	6.93962	5.65192	4.71726	3.55509	5.47164	2.95492	1.85273	2.89774	5.89332	6.29815	5.51275	4.80755
ERC2-IT1	6.95299	5.31582	7.26302	6.50618	7.00902	7.10256	6.42265	7.36484	6.21237	7.08674	6.12794	6.48947	6.75946	6.90541	6.45551	6.17903
ERCC1	8.43726	7.95413	6.56066	7.73933	7.94682	7.58677	7.82145	6.78662	7.54447	7.88746	8.02733	7.85319	8.04043	7.53288	7.90366	8.31666
ERCC2	5.40101	5.50296	4.99336	5.39578	5.26108	5.1134	4.30155	5.68604	5.80097	5.61508	6.25817	6.06906	5.23321	4.79719	4.65553	5.48379
ERCC3	8.82456	8.00533	7.81245	8.38568	8.97745	7.34287	7.58806	8.1354	7.74569	7.68633	7.8616	7.96389	7.8738	8.32674	8.66327	8.80992
ERCC4	4.9443	4.52134	4.63031	5.38643	5.42673	4.42204	4.30232	4.73561	4.6811	4.33389	4.60855	5.11194	4.30729	4.95899	4.75687	5.11271
ERCC5	9.12731	9.1846	8.97416	8.46765	8.75247	8.0633	9.65751	9.81139	9.26491	9.08426	8.80295	7.97085	8.10686	7.85734	8.58514	9.21392
ERCC6	6.30196	6.42177	6.37883	7.02326	6.42617	6.53205	6.76094	6.78753	6.55858	6.22003	6.52173	6.88409	6.8277	6.98832	6.53972	6.61862
ERCC6L	5.10345	5.93821	5.75596	5.85352	6.99884	6.39462	7.02275	6.54687	6.42327	4.17211	7.26214	6.61625	6.80371	6.845	7.26107	7.26026
ERCC6L2	4.6811	5.878	4.92653	5.30623	5.65728	5.29334	5.82241	5.79198	5.796	5.16028	5.4309	5.46907	4.90215	5.22874	5.39029	5.74373
ERCC8	4.03799	3.94704	4.53425	4.61264	4.13874	4.01206	4.17154	4.07826	4.23705	4.78187	4.25396	3.72504	4.44022	3.77859	4.38541	4.65754
EREG	2.49138	3.78253	3.9561	4.65169	4.03827	3.63349	4.52112	4.61847	3.50577	3.10403	6.83608	3.52204	4.5817	4.06264	4.74107	3.43394

ERF	6.02838	5.49219	6.52299	5.36443	5.36466	6.43003	5.60909	6.11583	6.38175	5.83395	5.91964	6.94927	6.07712	5.83426	6.5503	6.39924
ERG	4.91529	5.57201	6.68437	6.24136	5.98732	5.9294	6.00457	6.26621	6.02858	6.00366	6.14133	6.04611	5.15982	5.8829	6.03493	5.7148
ERGIC1	6.0877	6.28827	6.20342	6.30059	5.26177	6.08511	5.31968	5.72807	6.09501	6.62705	6.11493	5.30442	6.01282	5.75547	6.00101	6.07137
ERGIC2	6.3778	6.95333	6.5917	7.1078	7.92262	6.20838	6.69654	6.91292	7.131	6.73855	6.76466	6.40841	6.55527	6.68643	7.02771	6.42136
ERGIC3	5.7079	6.1966	5.32055	6.09755	5.72881	6.01381	5.30736	5.25519	6.07925	6.24308	5.56236	5.77268	5.76588	6.53507	5.23487	5.11832
ERH	9.58085	10.0259	10.3343	10.8431	10.7062	11.547	9.04992	10.429	11.6343	10.2452	11.4272	10.617	10.9164	9.85932	9.39515	10.1781
ERI1	3.97447	6.06161	6.10432	5.83474	6.26423	6.562	6.2675	5.99529	5.54219	5.53814	6.92854	5.77919	6.22616	6.63216	6.09939	6.42113
ERI2	5.6019	5.41662	5.20375	5.16933	5.28169	5.08801	5.79242	5.72953	5.71171	5.56612	5.88995	5.04313	6.19068	5.88796	5.12234	5.72192
ERI3	4.55321	3.64032	3.35289	3.50564	4.6615	4.25611	3.65785	3.84143	4.77313	3.53934	3.93173	3.7042	3.8683	4.76631	5.62247	4.71816
ERICH1	4.77355	4.77643	5.14329	5.39815	4.94172	5.17709	5.81102	5.31202	4.94776	4.57635	5.30238	4.73108	5.0511	5.19806	4.43372	5.02068
ERICH1-.	4.58019	4.82307	3.1043	4.31426	4.85855	4.31918	5.41338	4.82406	4.31847	4.02546	4.74876	3.48664	4.91737	4.41344	4.67765	3.8419
ERICH3	8.46329	7.37944	5.83219	8.20866	4.88176	5.50408	4.58478	5.31293	5.69164	4.44564	5.25952	5.41376	4.64303	4.86906	3.95546	3.45142
ERICH3-.	5.38177	4.80261	5.15888	4.07722	3.52527	5.13815	3.83857	4.48907	5.6426	3.93408	5.53553	3.22488	3.38837	4.68646	3.41773	5.87377
ERICH4	5.48692	4.86383	5.66511	4.50197	5.33875	3.63988	5.32956	4.7289	5.02776	4.98208	4.88165	4.60738	4.49752	5.79284	5.33678	5.3575
ERICH5	7.20528	5.73103	6.12342	6.60033	4.41812	3.94794	4.85515	4.98359	6.10863	5.26311	4.55848	5.16681	4.49557	5.10669	4.99461	5.98416
ERICH6	5.95242	5.56093	5.78238	5.34859	4.07562	5.02328	6.06278	5.6453	5.0773	5.84725	5.60533	5.50994	5.91468	5.19254	5.75191	6.06151
ERLEC1	8.29124	8.51429	8.68785	8.434	8.07142	8.2633	8.52134	9.04381	8.35965	9.49437	8.00842	8.68947	8.23349	7.97484	8.34385	8.31327
ERLIN1	7.24063	7.11924	6.90602	5.77268	7.154	6.57865	6.77848	7.45266	6.94612	6.89947	7.31863	6.89488	6.29109	6.79073	7.05317	7.41816
ERLIN2	7.4042	7.05207	7.3928	7.40625	7.05409	7.35032	7.24339	7.29931	7.25163	7.59473	6.87418	6.95289	6.42442	6.35718	6.73688	7.23443
ERMAP	6.70543	7.14896	6.84563	6.43314	7.7963	6.50763	6.54628	5.99786	6.28554	7.07077	6.44906	6.94536	6.80762	6.47187	7.08941	6.86602
ERMARI	8.26769	8.11303	7.83173	7.83082	8.39657	7.81099	8.06777	8.29403	8.08673	8.47529	7.72117	7.50856	7.91464	7.65308	8.04887	8.02733
ERMN	6.19664	6.01219	5.05469	5.79795	5.7079	3.88596	4.36468	5.32985	6.05841	6.05367	5.91691	5.1206	6.51824	6.08974	5.30979	5.52016
ERMP1	8.13794	8.03332	8.10743	7.88233	8.01409	7.07521	7.92598	7.91731	7.80696	7.72243	8.48507	8.05423	7.86294	7.25418	8.05323	8.055
ERN1	6.73147	6.59409	7.09088	7.26107	6.26147	7.05622	5.89602	6.38344	6.59699	7.77571	6.58459	6.62914	6.85834	7.01061	5.8635	6.13317
ERN2	7.99429	6.91622	6.52645	6.47903	5.99432	6.42461	6.51464	6.33157	6.82876	7.76259	6.26791	6.3496	6.63133	6.67595	6.37833	6.9225
ERO1L	7.60335	8.0511	8.06529	7.99841	8.32646	7.61565	7.66756	8.54913	8.46329	8.57691	8.8844	7.42325	8.65576	7.49983	8.02016	7.89038
ERO1LB	5.96423	6.22736	8.1821	5.62045	8.51154	5.35265	7.60493	6.30551	7.04642	7.62491	6.28188	6.58787	6.19263	8.19193	7.9697	8.67455
ERP27	7.0353	7.65071	7.2883	7.77632	8.17338	7.26124	6.76807	7.48831	7.0089	7.90327	7.16916	7.80556	7.46424	7.31637	7.06274	6.83822
ERP29	10.3741	9.90653	10.2227	10.7105	9.28374	10.8356	9.54637	10.2459	10.4243	11.008	9.98814	11.088	9.47585	10.783	9.4421	9.4479
ERP44	7.38822	5.99489	7.52876	7.32389	7.30682	7.16597	7.2634	7.71496	6.82203	7.02558	7.40123	6.96042	6.88861	7.37944	8.09882	7.66417
ERRFI1	9.40867	8.53743	8.76971	8.65576	8.69402	9.33845	10.3157	9.06775	8.83478	9.40619	9.04992	8.74249	8.91007	8.94892	9.51037	8.2214
ERV3-1	5.9804	6.43304	3.99755	6.19518	5.21916	4.22923	6.59019	6.25598	5.7325	5.28156	6.41956	6.2574	5.41867	4.98359	5.89999	6.21372
ERV3-2	4.49101	5.56364	5.97084	2.98748	6.49835	4.84284	5.08709	7.45055	6.88287	5.87159	6.86221	5.31378	5.28282	2.09344	6.13977	4.99562
ERV9-1	6.53843	6.55896	7.08181	6.45093	6.89934	4.72201	5.97483	5.49051	6.44006	3.53934	5.75622	6.15904	6.75383	6.23869	6.33094	6.89348
ERVFH2	5.73664	5.13629	4.70708	5.68888	5.59136	2.42212	4.15069	5.55155	2.47145	3.79424	5.54085	5.50633	4.05757	4.69923	5.28144	5.78757

ERVFRD	3.02599	3.41586	3.19256	2.65796	4.18809	3.45096	1.85693	3.70769	3.45216	3.18735	3.43836	1.97567	3.25147	2.09344	3.03267	1.92725
ERVH-1	5.63462	5.12193	5.16282	5.302	4.9083	5.91983	5.78423	7.86229	6.98553	5.65616	7.1301	5.50419	8.12177	5.60866	5.62497	6.78527
ERVH-3	3.70138	3.24563	3.13257	3.21843	3.35289	3.49365	3.18384	3.08616	3.11326	2.85867	2.91487	2.86273	2.90755	3.39861	3.16274	2.86424
ERVH-4	5.9357	6.08068	5.64598	5.87195	5.54991	4.22923	5.67953	6.387	5.46528	6.1908	4.74589	6.27029	6.9818	6.10779	6.16699	5.78029
ERVH-6	4.0662	5.32616	4.97408	4.95496	4.77152	4.79449	4.23244	5.83063	5.26722	5.47752	4.16438	4.53756	4.38038	4.94408	4.06326	4.44812
ERVH48-	4.20928	4.59455	2.75954	2.79365	2.21727	3.17101	3.97251	2.21132	3.09248	2.2766	1.98377	2.44179	3.57524	1.84505	3.24403	3.4643
ERVK13-	5.46131	5.37312	5.36466	4.82272	4.99999	5.4703	4.99245	5.89619	5.59486	5.84226	5.03555	5.914	3.83939	5.37722	5.06736	4.48242
ERVK3-2	5.27357	5.37077	2.38251	3.36292	2.18367	3.74792	4.23557	4.53792	2.61941	4.58996	4.60638	3.96659	2.68899	5.04615	4.8213	3.13394
ERVMER	5.62059	5.61731	4.67099	6.16508	5.80674	2.93381	5.95116	3.88575	1.98342	5.33111	6.13943	5.2571	2.98256	6.26959	5.78516	4.05789
ERVMER	1.11909	0.79	0.89696	-0.0746	0.34005	0.11027	2.53476	0.88665	0.56521	1.5458	1.79233	1.3666	1.01457	1.4899	1.44837	1.89302
ERVV-1	4.84143	5.30779	4.2003	3.17801	5.48441	4.4649	3.60262	3.99573	5.46528	3.50939	5.36735	3.38388	6.43057	4.40268	5.59831	6.24052
ERVW-1	3.86806	3.24973	3.31025	3.8513	4.78005	4.27051	3.62706	4.71215	4.38727	3.35168	4.35054	5.09309	4.62832	4.35425	3.39499	4.52611
ESAM	3.61236	4.14691	4.48486	3.65448	3.53849	4.4329	4.36468	5.16539	3.99376	4.06894	2.6113	3.65608	3.72312	3.99364	3.62574	4.2888
ESCO1	6.92873	6.47083	6.39148	7.05868	6.44405	6.64424	7.00523	6.88354	6.25108	6.65267	6.22827	6.64794	6.72362	6.48056	6.49105	6.63193
ESCO2	4.09014	4.51531	5.02308	4.90583	5.48013	5.08531	5.26786	5.57718	5.50547	3.25464	5.74611	5.40398	5.44809	5.22148	5.27219	5.49063
ESD	7.3013	7.66558	7.77339	7.45743	8.0026	7.51329	7.79926	7.99727	7.36045	7.78475	7.74219	7.06635	7.53386	7.90401	7.87346	8.08406
ESF1	7.06179	6.36854	7.71648	7.4571	6.72579	7.50206	8.07239	6.66709	7.49942	6.54977	7.70306	6.48848	7.29669	7.40489	7.88588	7.24953
ESM1	4.0196	3.28675	5.65855	4.45523	5.73276	5.1341	5.85864	3.67908	5.45313	5.96196	6.3245	4.23244	5.03851	6.3934	3.97261	5.61874
ESPL1	6.1481	6.86793	6.7905	5.94284	7.3395	7.78878	8.84034	7.69867	7.90554	6.21767	8.6144	8.16657	7.95894	7.69659	7.43484	7.56746
ESPN	4.23009	4.74602	4.63899	4.35866	4.09001	4.1913	4.93774	4.85572	4.53186	4.22313	4.36649	4.68387	4.39851	4.41443	4.35384	4.59823
ESPNL	4.33558	3.54594	4.39716	4.51613	3.73544	3.38113	3.66636	3.42644	3.90646	4.04204	3.83175	4.07634	3.63078	4.1147	3.8513	3.91052
ESR1	4.55883	4.74631	4.9277	4.69958	4.78257	4.42144	5.01758	4.71174	4.60222	4.38792	4.45067	4.63956	4.18267	4.59949	4.46646	4.53835
ESR2	2.92647	3.25017	3.0951	3.05227	3.47743	3.55162	3.6948	3.24078	3.10403	3.64617	2.98959	3.27385	2.70047	3.61993	3.20991	3.12738
ESRP1	7.82655	7.52671	5.99025	6.99012	8.4172	7.92801	8.81561	8.11563	8.26876	7.35822	7.56512	6.70956	7.97233	7.7963	8.20468	8.75206
ESRRA	7.72891	7.44259	7.5753	7.51081	6.83419	8.137	7.86725	7.38512	7.4188	7.42138	7.31427	8.1889	7.9954	8.1354	7.67591	7.64701
ESRRB	2.73888	3.38113	2.71638	2.47003	4.83383	3.38612	2.49138	3.82065	3.14028	2.87068	2.37329	2.98553	2.85371	2.7899	2.48089	4.20427
ESRRG	5.96305	4.7864	6.16508	6.32531	7.48041	5.96484	5.47164	5.9769	5.47426	7.08736	3.90189	5.57947	5.3139	5.45313	5.86123	8.02431
ESX1	5.3204	5.59446	1.97795	2.58828	5.12472	5.22231	5.17316	2.13755	3.81646	2.77263	5.98777	5.61811	2.81611	2.65463	2.63378	2.16972
ESYT1	8.41413	8.3899	7.976	7.89504	7.77962	7.42469	6.13862	7.44059	8.07356	8.05346	8.42097	8.3899	7.75483	7.64485	8.09229	7.59223
ESYT2	7.21647	7.17165	7.08637	7.62214	7.27718	7.11527	6.8071	7.39669	7.03226	7.90962	7.50104	6.50119	7.21647	7.00878	6.96496	7.64471
ESYT3	2.42354	4.56594	4.03451	4.95945	4.16313	3.56647	4.81196	4.44382	3.86074	4.82391	4.34574	4.51964	4.7732	4.48422	3.8062	3.99596
ETAA1	7.62715	6.82775	7.43749	7.25251	7.91901	7.68368	8.13469	7.75503	7.23363	7.59864	7.31824	6.85248	7.16627	7.80469	7.44601	7.94931
ETF1	8.53799	9.13461	8.7291	8.59276	9.17582	9.38383	9.53523	8.98405	8.98666	8.95531	9.47426	8.89592	9.37478	9.38383	9.12823	9.02285
ETFA	8.74907	9.3856	9.74747	9.22889	9.6665	9.28845	9.06394	9.18613	9.22523	8.97416	9.71731	9.55682	9.8453	9.91603	9.75979	9.97015
ETFB	8.65871	8.31666	7.72798	8.50329	7.99407	7.92449	8.60447	7.54991	8.18597	8.67666	8.89983	9.41655	8.5483	8.87038	7.7281	7.75388

ETFDH	5.51058	6.16214	5.04748	5.26879	6.29331	6.06936	4.73788	5.36443	6.34769	6.62814	6.63361	3.99397	5.48325	5.73322	5.85616	5.24647
ETHE1	8.34166	9.28645	8.11278	8.73312	8.06455	8.96611	8.3988	8.43237	8.22781	8.65394	9.00415	9.08007	9.11675	9.45067	7.81475	8.74164
ETNK1	6.88898	6.75013	7.04216	6.7551	8.04669	6.17407	7.23263	7.07263	6.47656	6.76637	7.22016	7.05087	6.89947	6.91931	7.12396	6.74227
ETNK2	6.55916	6.45334	6.86578	6.19167	5.75909	6.7635	5.96981	6.63353	6.7838	6.17716	4.82299	6.75243	7.15992	5.44628	5.91892	5.32007
ETNPPL	3.19594	4.6783	3.35289	4.76672	2.79083	5.55264	2.78886	5.82506	5.30913	5.10215	5.25119	4.90933	5.58872	5.62176	3.18863	3.18938
ETS1	6.62134	7.77111	6.7557	7.38533	7.25499	6.88943	6.88989	7.5063	7.01074	5.29681	7.39921	7.88701	6.88166	5.92694	7.08717	6.28124
ETS2	7.35747	7.34297	7.39608	7.53803	7.28627	7.84768	7.44322	6.98952	7.60636	6.71732	7.51396	6.98426	7.02487	7.23328	7.43046	7.14896
ETV1	5.55535	5.42868	5.46335	5.24111	4.98208	4.76263	5.33833	5.15466	6.03028	6.28053	5.10669	4.89951	5.74261	4.84501	5.21683	5.9271
ETV2	5.63462	5.5274	5.62378	5.72983	5.10439	5.1341	5.69946	5.7594	5.80782	5.75038	5.27518	5.84458	5.94746	6.00568	5.27854	5.73556
ETV3	5.50938	5.10517	5.33971	5.57534	5.40205	5.56523	5.28554	5.94527	5.61824	5.92232	5.73024	5.7207	6.3927	5.89386	6.28525	5.48278
ETV4	4.69574	5.24175	5.48534	4.76131	5.43734	5.56719	4.27232	4.59407	3.56581	5.82837	4.09143	4.16919	5.89935	4.5207	5.33428	4.41443
ETV5	4.62788	3.92267	4.16067	4.37497	4.3226	5.44628	5.23646	4.10828	4.92195	4.65232	4.45583	4.68824	4.28209	4.32106	3.88508	4.10828
ETV6	6.63574	6.77456	6.79415	6.5377	7.89992	7.20587	7.85915	7.76045	7.58344	7.21241	6.80229	6.86221	7.25163	7.68737	7.15452	6.34408
ETV7	3.94138	4.83015	4.74678	4.80946	5.77343	6.01609	6.90215	6.69058	6.43728	2.43922	7.31268	5.52073	5.83426	6.47102	6.33362	6.4778
EU250740	5.94573	6.3949	6.05165	6.13028	5.56052	6.26604	6.34285	6.37566	5.90229	6.96694	5.9634	6.30769	5.6866	6.68938	5.86526	6.38087
EVA1A	6.73699	6.60216	6.17111	5.64142	6.90541	5.99097	6.23636	6.59641	6.17111	6.63813	6.73246	7.15498	6.70923	6.91633	6.43433	6.75482
EVA1B	6.68352	7.06524	6.92419	6.5687	6.22799	6.5782	6.27066	6.64006	6.31399	6.75593	6.43039	7.09966	6.69348	6.95257	6.05489	6.71426
EVA1C	9.62785	9.73221	7.92119	8.29779	7.69886	7.59947	8.34337	8.25183	8.89896	9.09718	7.9954	8.81708	8.70805	6.57036	7.7042	8.12801
EVC	3.80301	4.20319	4.58588	4.1611	4.49015	4.05943	5.2576	3.80004	3.60106	4.62754	3.94495	4.88472	4.30918	5.48013	4.55632	3.97783
EVC2	4.16643	4.53092	5.02623	3.9949	4.90058	4.73241	4.62463	4.98037	4.59056	4.43787	4.92159	4.39974	4.67688	4.8246	4.22106	4.3131
EVI2A	7.67251	9.10516	9.53392	9.65415	9.00415	9.01248	7.4383	9.41034	9.78849	7.55949	8.43478	9.08563	9.26078	7.20992	9.15977	8.71679
EVI2B	7.28396	8.95046	9.67664	10.0385	8.84532	8.53406	6.97236	8.70926	8.76878	7.92906	7.88149	7.65332	8.49069	7.50275	8.54777	8.30405
EVI5	4.66938	4.42331	4.67844	4.78187	4.03876	5.05722	5.2531	4.76519	4.9553	5.34684	4.40913	4.40839	4.59901	4.58199	5.2058	5.01642
EVI5L	4.43413	4.20135	4.29522	4.4879	4.60099	4.00373	4.36722	4.2003	3.58775	4.53909	4.35866	4.6673	4.20135	4.55632	4.37968	3.98554
EVL	7.7845	8.2181	8.26281	8.34289	5.979	8.28645	5.63513	6.49308	7.86466	6.63967	6.53281	8.49751	6.95361	6.75819	5.90223	7.85248
EVPL	6.35366	4.34246	4.026	5.19961	4.35974	4.49442	4.73921	4.36705	6.0054	4.11175	6.96182	4.36401	3.83289	4.45641	4.47674	4.56661
EVPLL	8.1354	7.10312	7.83082	6.42442	7.87596	7.3721	6.88653	4.66254	7.43168	5.51424	4.70546	8.04991	8.31815	8.75045	7.82723	7.90812
EVX1	4.37264	4.196	4.50459	3.25228	4.10106	5.0129	2.43603	2.99615	4.19411	3.67756	4.39858	3.89887	4.10622	5.00322	4.09851	5.31034
EWSR1	5.35438	5.19701	5.74628	6.10571	6.43173	5.68071	5.87597	5.96837	6.13014	5.27601	7.20717	5.71755	5.57947	5.94594	5.56798	5.67833
EXD1	3.19594	4.90452	5.78447	5.93903	5.54744	6.03254	6.26824	4.36705	5.64719	6.21895	5.84854	4.74678	4.88165	3.3814	6.18553	6.29463
EXD2	6.88759	7.01562	6.76245	6.84402	7.02978	6.46075	6.56431	6.86811	5.7104	7.05384	6.69731	6.87765	6.85438	6.68609	6.79073	6.63063
EXD3	4.96626	5.35918	5.00482	4.47708	5.07446	4.91676	4.84227	4.65281	5.20172	4.89528	5.21236	5.62901	4.57057	5.30066	4.79956	4.95627
EXO1	4.00401	5.03176	6.49681	3.04143	6.58382	6.57211	6.8272	7.0981	6.93706	5.92461	6.71513	6.19295	6.5046	5.64502	6.78116	6.10582
EXO5	4.26443	5.04804	5.16359	5.9248	6.37105	5.28471	5.70383	5.97318	4.792	4.30874	5.96883	5.93821	5.75276	5.8178	5.55564	5.28081
EXOC1	8.65312	8.49143	8.54142	8.24153	10.0259	8.27118	8.16657	8.77063	8.63859	8.68624	8.85361	7.66435	8.5075	8.73561	9.14959	8.8522

EXOC2	7.50393	7.09549	7.53627	7.36756	7.90495	6.98991	6.64251	7.96835	7.97302	6.8336	7.56657	7.29639	7.03494	7.20912	8.11615	7.46102
EXOC3	8.15305	7.69724	7.24756	7.46963	7.69052	7.57594	8.22729	7.29993	7.24603	7.40625	7.39737	8.33277	7.22326	7.56947	7.80622	7.49252
EXOC3L	4.70927	4.792	4.67215	3.77659	4.31413	5.28169	4.84092	5.8832	5.70986	4.23866	5.52221	4.52549	4.00266	3.483	4.45763	4.68191
EXOC3L2	7.83923	7.88305	7.84768	7.85291	7.42688	7.86759	8.0016	8.02477	7.79332	8.27357	7.51898	7.81409	7.79089	7.80351	7.84625	8.02925
EXOC3L4	3.46635	3.45724	3.3753	2.49508	2.79431	3.10896	2.82798	3.38638	3.07618	2.59685	2.96494	3.07861	2.99303	3.06819	2.70081	2.83774
EXOC4	5.67655	5.36859	5.24225	5.28328	5.35699	5.36067	5.84642	5.71831	5.41522	5.59022	5.24005	4.73428	5.30704	4.93366	5.52073	6.01939
EXOC5	4.38559	4.50143	4.51377	4.00373	4.72163	3.90348	3.59691	2.96902	3.49069	4.36033	4.68857	3.10689	4.84794	3.56706	3.9372	3.95924
EXOC6	5.0694	4.82835	5.27822	4.48157	5.05573	5.03068	5.19867	5.00917	5.4639	5.65461	4.14005	4.22389	4.31399	3.79285	4.43729	3.8342
EXOC6B	6.01167	5.96182	5.55676	5.82175	5.74014	5.88435	6.72166	5.85696	5.95929	6.06758	6.21864	4.382	4.68857	5.93022	5.81858	4.98989
EXOC7	6.46694	6.08811	6.09307	5.37077	6.59734	6.65352	6.01976	5.8116	6.19975	6.68022	6.6267	6.38992	5.56117	6.63642	6.12841	5.04924
EXOC8	7.66727	7.72467	8.2633	8.1768	8.66141	8.10055	8.61593	8.48742	8.49014	8.12358	8.26845	7.78565	7.84852	7.91244	8.56923	8.40382
EXOG	5.02373	5.32692	5.15554	4.56297	5.1995	5.22056	4.41614	6.1231	5.85971	5.0289	5.86754	6.1633	5.06616	5.36761	5.6401	5.75038
EXOSC1	4.70118	4.32046	5.24647	4.93339	4.98157	5.33697	5.21626	4.64929	5.03068	5.10984	4.03106	5.01495	5.32026	5.74475	5.22056	4.96072
EXOSC10	7.11556	6.5278	5.5975	5.76382	6.24154	5.82384	7.30433	6.31477	5.7541	5.91215	5.95703	5.94351	6.51684	6.94031	6.45276	6.8412
EXOSC2	5.44017	5.74912	5.7837	5.65616	6.10003	5.81194	5.36285	5.56894	5.19321	5.49021	6.68558	5.79778	6.1118	6.11992	5.6242	6.34393
EXOSC3	5.71558	5.84898	5.63161	5.76786	5.80853	5.43076	4.89893	5.97056	5.62722	5.79337	6.54937	6.0376	5.8846	5.56117	5.54064	5.52553
EXOSC4	7.06405	6.91814	5.81705	7.02035	6.67837	7.45812	6.94188	6.07392	6.40117	7.36602	7.4767	8.23302	7.63792	8.26942	5.93974	7.93138
EXOSC5	6.89352	7.18606	5.07767	7.68471	7.07903	6.22008	6.88841	4.65546	4.43347	5.92053	8.24077	8.88247	8.07912	8.35151	7.05942	8.74609
EXOSC6	6.18294	6.381	6.85943	6.96875	6.61504	6.77387	6.08022	7.09987	6.01907	6.3057	6.56571	7.11689	6.25692	6.6594	6.31836	6.84879
EXOSC7	8.34233	8.18097	7.90998	8.2773	8.20468	8.0511	7.76731	8.45826	8.13794	8.1649	8.60042	8.53692	8.01409	8.29063	8.06928	8.8053
EXOSC8	8.79299	8.70926	8.31492	9.21483	8.70529	8.50329	9.68133	9.29168	8.19817	7.83726	8.97654	8.94345	8.50329	8.46726	9.1743	9.06063
EXOSC9	5.62059	7.22567	6.67853	7.51308	8.30594	6.66349	7.10564	8.15692	7.02408	6.56491	7.99823	6.87959	7.4236	7.04472	7.46579	7.14639
EXPH5	7.52074	6.95023	7.17415	7.46816	6.16959	6.14693	6.89488	6.52505	7.09448	7.28741	6.24681	6.52709	6.24968	6.40922	6.50074	6.9158
EXT1	6.55405	6.23891	6.48947	6.11524	6.38755	7.22086	7.17279	6.76637	6.42834	6.75356	6.25615	6.28135	6.6557	7.22958	7.08864	6.61097
EXT2	7.37885	6.80563	6.77706	6.85261	7.33152	7.58648	6.87459	7.34748	7.28432	7.45362	7.26997	6.69916	6.79006	6.84907	6.97599	7.02669
EXTL1	4.10344	5.7148	6.07023	5.39736	4.21924	5.68258	5.86472	3.50531	5.92206	6.78541	4.96344	5.00222	5.04222	5.35106	3.83184	3.65514
EXTL2	8.55042	7.85986	8.08053	7.59516	8.18565	7.29993	7.69585	7.40722	7.43168	8.53555	7.62934	6.94484	7.73837	8.23349	8.50717	8.07801
EXTL3	6.24911	5.63605	5.8673	5.9171	5.54219	6.10692	5.40826	6.17517	5.11141	6.42252	5.76092	6.4969	4.36722	6.01907	5.57239	6.15181
EXTL3-A	8.46688	7.28099	7.14402	7.38866	7.12783	7.07381	7.90855	7.28879	6.89627	7.3959	6.32256	5.76565	7.1396	7.17757	6.50845	6.92658
EYA1	8.16792	6.87678	5.26993	6.73138	5.01701	5.79417	5.22744	4.67765	5.46528	6.60482	4.67727	5.86232	5.18671	6.8053	5.00761	5.6902
EYA2	8.94422	8.59366	8.0605	7.75222	8.54622	7.76946	8.49813	7.5253	8.14326	8.20591	7.67654	7.20013	6.69536	8.21957	7.69052	7.31346
EYA3	6.03515	6.4523	6.30117	6.48497	6.53697	6.27692	6.70376	6.46694	6.10097	6.11302	6.68886	5.66394	6.12693	6.66271	6.33379	6.21797
EYA4	4.22024	4.50253	3.74494	4.86826	3.41796	3.55559	3.59527	3.64434	3.54653	3.82716	3.49069	3.82899	4.00917	3.42369	3.99774	4.23182
EYS	3.52524	3.41586	0.27064	4.25148	4.98786	2.51251	2.3531	-0.3067	0.69487	1.22431	0.11027	3.29115	4.2792	4.47605	0.33356	2.99971
EZH1	6.70933	6.07628	5.8431	6.44252	5.85696	5.96744	6.44198	6.48339	6.02997	5.21834	5.56754	6.39257	5.92215	6.14973	6.01577	5.98151

EZH2	7.31491	7.53337	7.98518	6.69435	9.05969	7.4292	7.91437	8.48129	8.11615	6.41144	9.20282	8.00083	8.13158	7.86024	8.79833	9.84358
EZR	5.43961	4.84684	4.85056	5.467	4.47807	4.53056	5.13011	4.92686	4.71717	4.71852	5.25872	4.54463	4.58104	4.53148	3.84282	4.10306
F10	6.37657	5.02586	6.23312	5.72522	5.37077	5.40039	5.46734	4.34289	6.0054	6.087	4.74167	5.46793	5.35451	4.65943	5.64923	5.4554
F11	2.59317	2.96846	2.06712	3.03309	2.9516	1.62293	2.62826	2.36623	2.42007	2.25774	3.28105	2.74465	3.75335	3.15782	2.30837	2.97075
F11-AS1	4.14888	5.18587	5.28144	5.10366	4.00401	5.33804	4.79774	5.9608	4.71298	5.01601	5.05683	5.50633	3.77256	6.24994	5.21484	2.82844
F11R	8.64803	8.39497	8.39387	8.03332	8.45462	8.09661	8.75563	8.1768	8.97054	7.8922	7.8012	8.06928	7.90707	8.12106	8.29063	8.03332
F12	4.28659	4.46421	4.15309	4.21576	2.67382	3.44368	4.69574	3.03602	3.48948	4.65655	4.67394	3.0766	5.43076	4.55579	3.07311	4.41965
F13A1	7.39669	7.75186	9.51582	8.35333	8.30299	7.67271	7.53139	7.76765	6.7419	8.7993	7.76731	8.34589	6.1129	6.50205	9.71027	6.99419
F13B	5.34118	4.67009	3.83335	4.52648	4.33348	4.28649	4.16867	5.28592	4.6132	3.97041	4.57799	4.04754	4.82036	3.16811	4.74768	4.81177
F2	2.77283	2.31976	3.22117	1.77186	2.2597	2.27957	1.68451	2.55884	3.06765	3.82085	3.08532	2.97562	4.99358	2.74868	2.00801	2.90822
F2R	7.06771	6.62771	8.35018	7.07521	7.00374	7.37425	6.52919	7.27843	7.5588	7.98529	8.75124	7.52478	6.94115	6.94927	7.90618	8.08518
F2RL1	6.29102	4.88575	6.89231	6.89314	6.12766	6.20976	6.08337	5.26908	4.84753	6.43019	7.27451	5.96744	6.10943	6.12018	5.32055	5.82316
F2RL2	6.48089	3.88752	5.84031	4.45763	5.27316	4.27754	6.27938	6.39439	4.65395	6.12544	6.9803	4.38855	5.00335	5.50211	6.40021	5.60091
F2RL3	2.63482	3.01952	2.94797	3.1994	3.09072	4.65553	3.10453	5.52895	4.49404	4.55142	5.25417	4.58543	4.51181	4.45641	5.06097	4.37426
F3	11.7733	10.817	10.2771	9.08188	8.18359	9.58421	7.37685	8.37975	8.04125	9.51355	10.6118	8.12675	6.96636	8.08164	4.80045	6.49706
F5	6.27004	6.17432	6.45625	6.65093	6.86032	6.78945	6.08731	6.93357	6.35913	8.63946	6.10593	6.79415	6.25794	6.43519	6.76443	7.55694
F7	5.83271	5.95126	6.98315	7.13187	6.13852	6.46809	6.05111	6.72058	6.84318	6.13852	5.87195	7.62972	6.81974	5.93563	6.72015	6.16396
F8	7.34389	7.40302	7.43943	8.44468	7.96021	8.05195	8.24318	9.03052	7.5276	7.57459	7.17176	8.0605	8.22515	8.09739	8.30405	8.01193
F9	5.48413	5.89702	5.92868	5.57471	5.28004	5.74934	5.61119	5.90165	4.89423	4.78962	5.32805	5.2571	6.20065	4.90027	5.81499	6.10737
FA2H	6.01341	6.83775	5.89602	4.57572	5.18234	5.62168	6.32189	6.8608	5.69118	5.316	5.92409	5.13528	5.37804	6.32223	4.04173	5.97448
FAAH	6.17842	3.19069	3.86957	3.71004	3.46884	4.99197	4.79774	3.65408	2.97568	6.1908	2.75175	4.01677	2.13674	3.99364	2.95994	6.01067
FAAH2	7.7121	7.40676	7.41405	7.15498	7.26997	7.60636	7.56639	6.93431	6.86006	6.81379	6.27322	7.33925	7.88441	7.68457	7.23519	7.11663
FABP1	1.94688	2.82798	1.87098	3.52918	2.12929	3.05981	3.04393	2.50999	2.42109	3.38769	3.14193	1.89466	3.45399	3.45794	2.05361	3.63369
FABP2	2.79297	6.20259	5.3782	5.76238	5.47252	6.36148	5.57489	5.75589	4.7581	5.9832	5.28638	4.90513	3.78698	6.09501	4.7616	5.56494
FABP3	3.92821	3.64403	3.16183	3.10948	3.92927	2.80925	3.71177	3.64264	5.61798	3.24563	4.26924	3.59527	5.39452	3.73731	4.42997	4.16273
FABP4	4.22106	4.23539	4.39335	4.17094	4.59328	4.34723	4.03106	3.5789	4.02048	6.25512	4.44138	3.8342	4.21256	3.6241	4.71007	5.78337
FABP5	7.95514	8.99912	8.84803	8.67259	7.74011	8.21006	9.65881	8.6233	8.95773	7.04472	12.2135	7.8789	9.27726	6.68791	7.86967	10.9531
FABP6	6.68722	4.20237	4.76618	5.84569	5.04828	5.27381	6.815	5.60661	5.10065	4.23458	4.40931	5.15634	5.47407	6.52709	5.8727	4.59609
FABP7	5.83	4.41812	4.49797	5.14674	5.31156	4.65818	4.51099	4.74464	4.76177	7.16903	4.61592	4.28519	5.96608	4.12376	5.09309	4.27968
FADD	8.33063	8.62607	8.28645	8.8262	7.65344	8.66913	7.67098	8.14909	8.63992	8.33034	8.61593	9.4567	8.26942	9.04465	7.9765	8.03371
FADS2	4.5453	4.48338	4.54258	4.26663	4.29522	4.8006	4.33523	4.6393	3.35919	4.39716	3.86554	5.0199	3.34323	5.15526	4.22701	4.26699
FADS3	6.55633	6.98553	7.21537	7.21647	6.92116	7.11008	6.88265	6.82609	6.85291	6.74045	6.60392	7.65419	7.04276	7.60702	6.85409	7.20098
FAF1	5.76327	5.91054	5.24375	5.26485	6.67625	4.71531	6.43854	5.66671	5.91445	4.93625	5.85696	4.87172	5.73188	6.72816	6.41274	6.00522
FAF2	6.81351	5.32479	6.67388	4.76263	6.23179	6.6732	6.43824	5.29633	7.1342	5.54814	6.71459	6.48403	5.98862	7.09315	6.73214	5.70543
FAH	6.04232	6.432	5.73188	6.25548	6.26213	6.58481	7.33274	6.03166	6.10253	6.41484	6.42911	6.17147	7.10887	6.77343	6.7305	6.5681

FAHD1	7.60146	8.14808	7.78656	7.85153	7.89457	8.32269	7.72648	8.27357	8.1889	7.79044	7.93087	8.0146	8.24731	8.19104	8.06036	8.22515
FAHD2A	6.06227	6.01754	5.94871	6.55469	5.98842	5.94133	6.99217	6.83608	6.78271	7.24292	6.24364	7.20682	5.90848	6.9609	6.8232	6.35878
FAHD2C	4.63208	4.03106	3.73314	3.98424	4.87584	4.65169	4.7818	5.30442	4.02162	5.34906	4.62548	4.60609	4.92829	4.88984	5.05043	5.04602
FAIM	8.95876	7.78199	7.96246	9.07607	8.47183	7.70755	8.22402	8.61308	7.45869	7.86571	8.02303	8.33807	7.84068	8.07542	8.60131	8.75665
FAIM2	4.90369	5.19191	4.86274	4.2746	4.75199	4.80597	5.09667	5.33204	6.98295	6.37709	5.15281	4.92736	4.85711	4.89528	4.43897	4.80845
FAIM3	6.04708	7.4156	6.77387	7.18606	7.01656	7.63318	5.5306	6.29537	6.92903	5.88405	5.06452	7.04994	5.46774	4.71007	6.22799	6.34603
FAM101I	7.24986	8.38789	8.38294	8.8433	7.5326	8.7381	7.56512	8.38509	8.38345	7.72821	8.05225	8.64417	8.25743	7.63603	8.06888	7.71057
FAM102A	6.14565	6.20996	6.43519	6.30273	5.63327	5.84049	6.50447	6.77874	6.2504	6.75934	5.03413	5.94701	5.61731	6.8336	6.38823	5.62881
FAM102I	6.54748	6.92136	7.05884	6.26403	7.2937	6.62543	6.2836	5.85352	6.97134	7.17031	7.33669	7.23955	6.29651	5.34843	6.633	7.0171
FAM103A	8.01968	8.49182	8.12782	8.12204	8.64262	8.06417	8.67666	8.71787	8.63335	8.32579	8.35151	7.82655	8.25549	7.78656	8.12233	8.36086
FAM104A	8.96445	9.67232	9.07016	9.31733	9.34651	9.36057	9.90431	9.65062	9.46666	9.10606	9.0354	8.82696	9.23319	9.11537	8.8893	9.30638
FAM104I	6.28793	5.7373	4.80917	5.20936	5.66227	5.11644	6.6295	5.1385	5.47955	4.44343	5.52984	4.09427	6.24994	4.9311	6.25872	5.19701
FAM105A	6.02858	6.38407	6.47995	6.22225	6.61479	6.45401	4.78762	6.50559	6.57921	4.67128	6.87204	6.12841	5.00256	5.12829	6.3109	6.27847
FAM106A	2.04089	4.96661	2.38251	5.21663	4.82316	4.61747	4.25853	4.93717	5.30913	4.31978	4.96344	5.73292	4.59065	3.52815	4.42805	4.09222
FAM107A	6.86641	5.82241	6.24386	6.30689	4.87271	5.60069	4.51913	5.24136	5.59162	7.74898	5.40376	6.13935	2.80584	4.60609	4.33795	4.24944
FAM107I	9.60191	9.85557	9.44547	9.53392	8.91549	8.10118	7.30969	7.84487	8.93712	9.25462	8.8893	9.22173	8.57525	7.97582	8.91873	7.83323
FAM109A	6.64508	6.18435	5.49842	5.69581	4.16584	6.19825	5.18039	4.50182	6.07614	5.97829	5.08582	7.08411	6.46401	6.55748	5.8839	5.7127
FAM109I	7.37944	7.17031	7.08717	7.2405	6.75796	6.57417	7.44574	7.12168	6.65275	7.83976	6.74735	6.98409	6.92356	7.50118	7.55712	7.06319
FAM110A	6.06651	7.39921	6.62758	6.03567	6.47219	7.02771	6.75064	6.387	7.49612	5.64253	7.32123	7.17165	5.61273	6.29144	6.3379	6.06992
FAM110I	5.97095	4.03261	6.21818	5.71535	5.28471	6.92499	5.78593	5.15954	6.49455	7.08612	5.26618	6.61221	5.31417	6.12207	6.19445	4.59114
FAM110(	7.88588	8.39162	7.88823	6.82339	7.87596	8.60862	9.45199	5.70528	8.10258	7.97532	9.06063	5.86517	6.88611	8.45057	8.00492	4.61107
FAM110I	2.00108	1.88256	3.22117	2.40724	1.54197	3.30682	2.90726	2.49961	2.22165	3.02948	2.56627	2.38821	1.4697	2.97219	1.88334	2.79166
FAM111A	7.05684	4.78683	6.18943	6.05626	7.41505	7.32123	7.06488	7.25345	7.05247	6.91944	7.25345	6.87351	6.92986	6.65329	6.66639	6.37023
FAM111I	3.65202	3.56191	3.24634	3.20688	3.17351	3.12473	3.60024	3.1203	2.84585	2.81829	2.00313	2.96699	2.28494	2.7882	3.04143	3.93872
FAM114A	9.14795	8.49271	8.78234	8.59531	8.44211	8.42037	9.1841	7.59516	8.26232	9.54001	7.89679	7.21997	7.77111	8.17903	7.97768	7.35571
FAM114A	7.09419	7.24319	7.96074	7.59235	7.55694	7.46832	7.2916	7.69052	7.42635	7.6407	7.65533	7.36129	7.34276	7.00801	7.51144	7.2324
FAM115A	5.29504	1.67217	4.70407	5.83023	4.58067	4.61747	5.03767	5.27102	5.49837	5.45382	3.06624	5.46793	3.8683	2.91144	4.52824	3.44273
FAM117A	8.30008	8.32414	8.50784	8.56494	9.00781	8.61743	8.62286	9.57128	8.30082	8.44211	7.33347	8.40309	8.86796	9.4367	9.24862	9.2593
FAM117I	5.94445	6.12053	5.74805	5.9226	6.0528	5.75088	5.61979	5.18234	5.7268	5.63729	6.14618	5.82175	6.21864	5.98083	6.10692	6.03408
FAM118A	6.3909	5.79136	7.7049	5.70157	7.63603	7.37585	5.75079	7.26232	6.04916	6.02407	7.59516	5.5131	7.21975	5.96919	5.8916	6.48318
FAM118I	6.49013	7.45459	7.31017	7.43016	7.55265	7.20155	7.21066	7.72199	7.06635	7.15413	7.04107	7.23414	7.56746	7.06673	7.64555	7.3013
FAM120A	6.22536	5.50917	6.089	5.63879	5.6494	5.73534	5.86329	5.58285	5.9645	5.99244	6.1213	5.70157	5.72846	4.51419	5.68092	5.89327
FAM120A	4.90556	6.3496	5.73398	5.94499	6.10303	6.29651	5.89586	6.29048	6.29473	6.07392	5.582	6.07898	6.2504	5.86057	6.1209	6.23627
FAM120I	6.06551	5.10138	5.44143	5.84468	5.96658	5.80739	5.68688	5.18115	5.34415	5.35416	5.62147	5.49937	5.67141	5.2994	5.40673	5.2068
FAM120(	7.29564	7.12799	5.89586	5.36112	7.36846	6.43673	7.3728	7.14173	6.58204	7.01477	6.73406	6.6643	6.04035	6.93962	7.09292	6.31325

FAM122A	6.44633	6.97702	6.8268	6.96888	6.42302	7.28271	6.81286	6.65907	7.64185	7.63362	6.89301	7.11716	7.37305	6.30331	7.43906	7.01792
FAM122B	8.46832	8.60829	9.29073	8.67368	9.12925	8.71927	9.7947	8.50291	9.00106	8.30207	9.18918	7.67863	8.71319	8.3979	9.31854	9.25053
FAM122C	4.10828	5.18876	4.99189	5.76092	4.79981	4.83247	4.43347	5.44733	5.11677	4.90183	4.95496	4.9024	4.7474	5.049	4.45148	5.15859
FAM124A	4.48907	4.33068	4.74889	4.44653	4.30792	4.1225	4.29253	4.27004	4.35243	4.20875	4.44382	4.00094	4.08748	3.75383	4.02075	4.35575
FAM124B	3.16429	4.65407	5.53434	5.80702	3.7606	3.78772	4.11808	5.70221	3.17124	3.50939	4.78714	4.7521	3.50584	3.26302	6.50178	5.117
FAM126A	4.81876	5.18024	5.05252	4.75041	4.72867	5.01689	4.65006	5.31355	4.61145	4.22367	5.78258	5.17875	5.13338	4.80597	5.30133	4.90967
FAM126B	5.90328	5.24782	6.98769	6.75031	6.04851	5.83196	6.01546	5.7127	6.16574	5.47619	6.30993	5.21707	5.98586	5.28498	6.44646	5.60986
FAM127A	6.65309	4.90452	4.54463	4.88519	5.45685	8.36919	5.47072	5.05573	8.59487	8.82316	7.92893	6.71848	8.31293	7.56138	7.47692	5.22223
FAM127B	5.93081	5.64126	5.6255	4.94042	5.80173	5.62589	5.73173	5.65251	4.9433	6.08074	5.83136	5.59986	5.73271	6.67673	5.78757	5.51657
FAM129A	8.65576	7.80998	8.50217	8.54257	7.88907	7.50897	7.65686	7.43963	8.34712	9.42357	8.51784	7.74898	7.69946	6.52645	8.88814	8.87038
FAM129B	5.90975	6.66656	5.02925	6.33679	5.01612	6.50819	6.57401	4.48532	5.4471	7.67964	6.89264	5.90531	4.72517	6.99781	5.22866	4.93441
FAM129C	4.72447	7.15303	6.59252	7.1525	5.81836	5.75337	4.93717	6.118	4.98618	4.65329	4.97034	6.25872	5.46594	4.68137	5.89602	5.59651
FAM131A	7.0461	5.87492	6.69536	6.37512	5.90756	6.62321	6.75593	5.52397	5.96182	6.27377	6.15976	6.65595	5.90489	5.83707	6.46461	6.32017
FAM131B	6.3489	6.01811	5.7804	6.30541	5.29145	6.40779	6.37591	6.70987	6.71324	6.40531	5.71853	6.846	6.15519	5.66958	6.25649	6.19135
FAM131C	5.47317	4.04274	5.1165	5.67756	4.32613	5.28311	4.29522	6.18068	3.85447	4.10188	5.63617	5.81194	6.26091	5.61679	4.2981	5.94393
FAM132A	5.67016	3.58335	5.97454	3.97084	5.1722	5.77406	5.1218	4.85984	5.80222	5.86819	5.5172	4.87924	4.33795	5.31833	2.86345	4.64753
FAM132B	3.91761	5.62378	6.53234	5.36992	6.57618	5.90903	6.88653	6.56557	5.7874	5.49998	5.29298	5.81694	6.67407	5.90555	6.81937	5.98219
FAM133A	5.08913	3.02851	4.79693	4.30957	4.39519	4.50783	4.61634	3.79647	4.65539	4.03827	5.33489	4.38776	3.8889	5.23211	4.4239	3.92057
FAM134A	9.1743	9.13921	8.89983	8.99568	8.85744	9.27726	9.16397	9.01959	9.41176	9.29585	8.62607	9.6978	8.82977	8.8144	9.47897	8.94645
FAM134B	5.89788	6.29734	6.06669	6.08798	5.86472	5.66921	6.32837	5.92675	5.7151	6.48699	5.86084	5.53294	6.10571	6.17788	5.96113	6.45045
FAM134C	11.3844	11.1093	11.0154	10.5313	10.9118	11.048	11.3517	11.0355	11.422	10.817	10.429	11.7283	10.5826	10.8711	11.4345	10.8107
FAM135A	4.84572	5.79752	5.14611	5.91135	5.36602	5.05543	6.3484	5.21505	5.86024	6.38327	5.64846	5.67796	5.50032	5.77304	5.3347	4.98301
FAM135B	6.34446	6.07655	5.68401	6.14478	6.02159	6.4737	6.18897	6.80087	6.31279	5.42167	5.89522	6.45975	6.41991	6.40279	5.33204	6.42461
FAM13A	7.81452	7.08864	6.49655	7.29595	7.11463	6.18701	6.47506	5.93291	6.97076	7.12512	5.82205	6.70305	6.43268	7.19524	7.2034	6.90215
FAM13A	6.58169	6.50024	6.566	5.41101	6.22295	6.72716	6.38407	6.7905	5.77019	6.70112	6.01449	6.2245	6.04891	5.00773	6.32164	5.29113
FAM13B	9.33951	9.19078	9.86852	9.99505	9.31361	10.5345	9.66572	8.69101	9.57703	9.77064	8.94258	8.50902	9.28935	8.63028	9.7059	8.42897
FAM13C	6.20209	5.68816	6.97123	6.76622	5.16886	7.00137	4.70118	4.88684	5.20401	5.76416	4.46232	5.95367	5.79475	6.29282	6.32283	5.50235
FAM149A	6.92674	5.41177	5.89338	5.6286	5.29032	5.04714	5.28273	5.5628	5.2546	5.50277	4.84458	5.70701	5.20817	5.01758	5.25218	5.95652
FAM149B	5.40124	5.15143	4.80946	4.73921	4.86734	4.75618	4.80663	5.46277	4.79167	5.11244	4.83857	4.25647	5.00374	5.37108	5.39423	5.31079
FAM150B	5.78934	5.85056	5.69888	6.03276	8.65818	5.90903	6.57265	7.25954	6.44222	5.80536	3.60024	3.53998	7.84207	6.88467	8.39821	6.91343
FAM151A	3.04535	3.81549	3.11137	3.73033	4.52738	2.11228	4.20319	2.46648	3.6792	2.61134	3.06624	3.16915	3.42036	5.10272	2.52969	2.4366
FAM153A	6.15156	6.31064	6.56296	6.03567	6.25003	6.27668	5.99194	6.26155	6.63564	6.17716	4.91661	6.05868	6.76392	5.38464	5.61104	6.30604
FAM154A	2.83473	3.18041	3.12132	2.81334	2.85371	2.79576	2.9333	3.71916	3.19069	2.97414	2.88166	3.21231	3.12086	4.19488	3.41773	3.34078
FAM154B	9.10402	7.49517	5.60777	8.29485	5.82175	5.70777	5.55964	4.7289	6.65718	5.08644	3.45096	5.32774	4.09292	5.46541	5.82281	4.81177
FAM155A	5.68495	6.19114	6.4803	5.0271	4.17971	4.94152	4.93308	5.33697	5.84691	4.40714	4.59589	4.72807	3.78089	5.28356	4.33877	5.69337

FAM155A	2.53024	4.62359	4.92602	1.26539	2.1445	2.69944	3.68625	3.06557	4.6793	2.5437	3.71153	4.57959	3.68721	2.41572	2.11842	4.57163
FAM155B	5.49125	5.68058	6.49499	5.22073	6.02566	5.11016	6.13862	5.20188	5.72034	6.49246	4.94543	6.02886	5.37514	5.72434	6.11134	6.15381
FAM159A	4.54077	4.42002	3.93018	4.45956	4.1682	4.65754	4.20938	4.09222	2.79534	3.89706	4.48422	4.42101	4.2359	3.67122	3.94518	4.32291
FAM160A	4.96487	3.86719	4.99372	4.88224	5.01511	4.04301	4.86274	5.49338	4.26239	4.90369	4.7897	5.21484	4.58244	5.15653	5.14817	4.66023
FAM160A	8.40249	6.62481	7.3706	6.7248	7.62838	7.57572	7.34801	6.76064	7.55453	7.49816	6.91987	7.86813	7.33133	7.56138	6.85892	7.17913
FAM160B	6.02637	5.71411	5.32805	5.2242	6.08163	5.84362	6.84536	6.2907	7.28961	5.90098	6.69878	6.12863	5.27686	6.13336	5.94989	5.57718
FAM160B	4.73108	5.52355	4.70305	5.14549	4.8006	5.39815	5.05748	4.93246	4.76067	5.44648	5.02274	5.06879	5.37312	4.94282	5.11814	5.03535
FAM161A	5.9336	5.44274	5.47218	5.19111	5.76673	5.55803	4.94868	4.52451	5.58353	4.61264	4.83812	4.24885	4.99899	5.41209	5.27487	5.37249
FAM161B	7.81677	6.46075	7.05285	6.81974	6.76094	6.15232	7.36428	5.83128	6.46954	7.39378	5.64719	6.90769	5.64618	6.47564	6.50944	6.67366
FAM162A	7.75049	8.02825	7.44259	8.66724	8.80228	8.21355	8.80034	8.92659	8.52275	7.94154	7.73143	7.24339	9.0751	9.00167	9.21728	8.74074
FAM162B	6.6295	7.57286	6.65604	7.43213	6.26766	6.99387	6.68416	7.28452	7.77384	6.44498	6.43451	7.42114	6.50567	5.92496	6.73237	6.48263
FAM163A	5.05401	2.59102	3.25331	4.07003	2.76484	2.24655	3.65785	4.20991	4.82953	3.02948	3.16885	3.14285	3.19903	4.29638	2.45708	2.47807
FAM166A	5.1842	5.10586	6.52805	5.28638	4.83778	5.15429	5.68136	5.46569	5.03997	4.78005	3.99057	6.42469	5.44505	6.23796	5.74994	4.83247
FAM166B	7.34951	5.36473	3.08807	6.48178	4.30494	5.38924	2.88209	4.84165	3.71298	4.52838	2.79035	3.93749	5.39824	5.53595	5.63729	3.48415
FAM167A	5.46462	6.42113	5.93792	6.6689	5.63833	5.97667	6.2804	6.48825	6.38308	5.33954	6.19295	6.61079	6.33362	6.0402	6.38087	6.1475
FAM167B	4.20074	4.58555	4.49114	4.22106	4.05118	4.42491	3.90378	4.52735	3.94629	4.28394	4.03549	5.19446	4.18518	4.49472	5.09806	4.31542
FAM168A	5.94097	4.5792	4.17016	5.16217	5.89189	7.14716	6.62134	4.42874	5.03715	6.80448	5.77997	6.60087	5.07178	5.67434	6.83297	4.01247
FAM168B	5.28004	5.61194	5.98966	6.11204	6.71127	6.05312	5.35761	5.26406	5.34654	6.34875	5.64066	6.29463	5.22231	7.29617	7.14173	5.99187
FAM169A	6.56956	6.31444	6.04259	6.32382	6.26293	6.90952	6.61296	4.71077	6.44633	6.60014	6.1016	5.11171	7.5405	5.82978	5.57521	4.85948
FAM169B	5.67529	6.03751	6.2047	6.53587	5.40872	5.83	6.56778	6.81728	5.74686	5.44823	6.15937	6.18061	5.11124	6.15139	5.93713	6.12617
FAM170A	3.31017	3.35252	3.60422	3.78412	3.32431	3.36385	3.18384	3.45352	3.29007	3.68301	2.88166	3.27772	3.85528	3.24563	3.34075	3.24808
FAM170B	5.3496	3.59749	5.45637	4.12191	5.0626	3.8966	5.76629	5.39962	3.58282	5.6167	5.77873	6.4977	5.53039	5.67243	4.16718	5.52649
FAM170B	3.6881	4.03799	3.36719	4.89657	3.66359	3.3579	3.69634	3.64889	3.66935	3.48483	3.24078	3.95837	3.45182	3.96304	3.86774	3.99376
FAM171A	8.77496	8.56834	8.66567	8.36471	9.02044	8.91327	9.04721	9.50452	8.10173	9.01191	6.75154	8.63306	8.97353	9.11939	9.56083	9.66375
FAM171A	2.23882	2.26456	2.29132	2.184	2.10233	2.27957	2.15094	2.23712	2.18568	2.04282	1.95222	2.41615	2.46016	2.51368	2.14289	2.26153
FAM171B	5.50547	5.39096	6.01633	5.79966	5.40235	6.28487	6.49724	5.51444	5.84563	6.1475	4.80031	5.75395	5.51334	6.08253	5.66227	5.08531
FAM172A	7.12205	7.01656	6.81265	7.21066	6.28271	7.37167	7.37167	6.70654	7.06232	6.24092	6.32694	6.10475	6.19295	6.73937	6.12478	6.66684
FAM173A	8.00827	8.33491	7.80604	8.037	6.96123	8.47257	7.83248	7.33361	7.93681	8.36455	8.55383	8.98332	8.74164	8.98666	7.42589	8.31557
FAM173B	4.56438	5.11713	5.9978	5.43226	6.27451	5.28791	4.84817	4.75295	5.30315	5.27575	4.99763	4.42603	5.23955	5.14656	4.50167	4.7822
FAM174A	11.008	10.6461	10.908	10.9946	9.04992	9.94907	9.61231	9.56807	9.79359	10.1309	9.49286	10.9018	9.2707	9.67664	9.85557	9.10516
FAM174B	8.53034	7.73058	6.46606	7.06255	6.7229	6.9261	7.19756	6.87082	7.24097	8.77123	6.23796	6.71402	5.44574	7.95378	6.37201	7.27807
FAM175A	5.04665	4.88503	5.31876	6.13777	5.52883	4.72517	4.42618	5.47346	5.24111	4.85855	4.60058	4.67099	5.00397	4.71933	4.91397	5.85761
FAM175B	7.22752	7.31561	7.11276	7.17635	7.05651	7.12866	6.71775	7.13623	7.62176	6.6551	7.21275	6.88438	7.06066	7.18371	7.0572	7.30859
FAM178A	5.4895	5.72464	5.67859	4.98989	5.28291	5.67273	4.62955	4.81041	5.36688	5.10776	5.8013	5.39423	4.57543	4.1352	4.71459	5.41438
FAM178B	4.48312	3.78714	2.99564	5.87492	4.54126	5.00186	3.79373	3.52249	6.42136	4.16253	3.37552	5.40529	5.14236	3.75913	4.01749	4.18842

FAM179A	9.78849	7.19727	7.05409	8.22071	5.94032	6.71513	5.92806	5.92857	7.1266	6.31008	8.137	6.22183	5.18671	6.76613	5.89644	6.91829
FAM179B	9.45067	8.55255	9.35829	9.85111	10.0472	8.6025	8.19658	8.41306	8.21863	9.09316	7.93728	7.58461	8.46911	8.01263	8.45462	8.68017
FAM181A	6.63119	3.67703	5.33894	3.93679	5.76793	5.89174	6.16473	6.15282	6.90431	4.595	5.31347	6.03682	6.86068	5.30815	6.49359	6.02794
FAM181A	5.3496	5.57353	5.57211	5.39423	5.53566	3.30682	3.12496	5.02925	3.76729	5.6242	5.89999	5.64806	6.43689	5.87121	5.30388	5.8336
FAM181B	3.27314	3.3566	3.11652	3.16666	2.95335	3.86158	2.77176	2.01565	2.66443	2.7882	2.59761	2.39801	4.19207	3.391	3.32655	3.18262
FAM183C	4.05217	4.00768	4.43529	5.53338	5.98671	5.89174	5.19203	4.81522	5.48754	3.70919	6.02393	5.55526	5.90923	4.78915	5.53303	5.03019
FAM184A	7.29217	6.59548	6.97857	6.94612	6.56296	6.14099	6.89173	6.62877	6.24308	7.8415	6.43689	5.76497	6.36379	6.3185	6.69095	6.57598
FAM184B	6.13578	6.4495	6.68551	5.29627	5.83766	4.65553	4.6631	6.73741	5.3788	6.06884	5.06187	5.85971	5.59184	6.5958	5.19592	5.98732
FAM185A	6.86411	6.54916	6.34485	6.48933	5.64905	7.16078	7.72821	6.67233	6.61156	6.55657	6.11965	6.35401	6.08497	6.28086	6.98885	6.45064
FAM186A	5.23969	5.6558	5.29011	5.05202	5.14439	5.24016	5.1647	5.79497	5.17427	5.09451	5.43048	5.56599	5.29269	5.35398	5.21013	5.64345
FAM186B	2.88015	3.16637	2.98152	2.98748	2.91487	2.81599	2.88209	2.98628	3.00175	2.93344	2.79035	3.12959	3.17825	3.33112	3.7606	3.6935
FAM187B	3.50034	3.11174	2.63513	3.5907	2.36593	2.78532	2.81469	3.47335	4.28137	3.3263	3.48511	3.39606	3.40212	3.54384	3.00483	3.31912
FAM188A	4.54926	5.15403	4.54325	4.10622	5.81223	4.33027	4.37989	4.63475	4.89718	4.41398	4.76854	3.82021	4.68891	4.08687	5.03092	4.75389
FAM189A	3.32431	2.65522	3.34445	3.25646	3.2065	3.15165	3.27441	2.88789	2.70734	2.47565	2.66551	2.97562	3.16183	3.73088	4.08763	3.13394
FAM189A	8.08992	7.24855	7.51193	7.14019	8.24153	7.16039	7.14075	7.37319	6.84674	9.17193	6.41555	7.12845	7.05637	6.46975	7.24867	9.77645
FAM189B	4.87854	5.8784	5.17349	5.74209	5.85761	6.10809	5.72971	5.84953	6.4091	5.52883	6.08299	6.32129	5.37759	5.49051	6.01309	5.80361
FAM192A	7.47372	8.20591	7.62033	7.66135	7.84645	8.01515	7.8597	8.59875	8.17445	7.22016	7.93861	7.90683	8.50078	8.53799	7.93762	8.09229
FAM193A	8.25183	8.34385	8.47157	8.50217	8.65949	8.97007	8.60896	8.43726	8.61338	8.19479	8.16792	8.3215	8.11759	8.77496	8.61682	8.26257
FAM193B	4.91737	5.08873	5.1141	4.75563	4.84616	4.44382	4.82763	5.64247	5.52616	5.30315	4.93512	5.8182	4.92985	4.78121	4.41114	5.07404
FAM195A	7.57314	7.78725	6.60899	6.39199	7.24572	7.50417	6.50191	5.28471	7.47109	7.72774	8.09739	8.44211	8.62967	8.82517	7.58344	8.09183
FAM195B	7.30694	7.50028	7.4801	6.98847	6.951	7.2133	6.93653	6.2427	7.70474	7.63234	7.57212	8.17116	8.10173	6.75934	6.73599	6.95007
FAM196A	1.19711	0.24489	0.9957	0.29867	1.11444	2.24655	3.99724	0.01726	0.56521	1.78758	0.69487	0.75844	0.35046	0.89896	0.46592	0.69824
FAM198A	3.71123	4.34246	2.56774	2.73925	4.86578	1.59197	3.03237	2.75656	2.61941	2.77263	4.5939	2.99228	2.88174	1.97057	5.40039	4.95783
FAM198B	5.41625	5.38452	7.4913	6.00809	5.80567	6.73659	6.80432	6.09988	5.70963	6.73246	7.21844	5.62589	5.51128	6.56368	6.67057	5.45724
FAM199Z	5.93894	6.38582	5.89863	6.71005	6.41769	6.34863	5.92492	6.19736	6.15329	6.31766	6.21045	6.23723	6.49232	6.01966	5.98353	6.13977
FAM19A	5.68623	6.09844	4.76678	5.99734	5.77389	5.82753	5.19203	4.8294	5.14293	5.75797	5.39144	5.89092	3.12086	5.32976	5.46222	5.7957
FAM19A	4.6618	4.14691	3.88236	4.2996	3.56794	2.99117	4.48301	2.67421	4.10622	4.17211	4.96638	3.58989	4.69241	3.54384	4.34246	3.13394
FAM19A	5.85581	6.63175	5.22231	4.48948	3.36671	5.03249	4.49757	3.50531	5.45313	5.41453	4.75008	4.42289	2.68899	3.21424	3.16274	2.67577
FAM19A	2.97414	2.73769	3.67873	2.19745	2.86397	3.17782	3.47743	3.00437	2.61031	4.46104	3.57207	1.90355	2.58362	5.96035	4.19503	2.24458
FAM200A	5.3965	4.42934	5.23378	5.34463	5.9606	4.07529	5.28942	5.99244	5.56043	5.16562	5.03203	3.68704	5.84978	6.05478	5.93081	4.73716
FAM200B	7.29064	6.78095	6.70631	6.98163	7.08612	7.41505	7.16727	6.18822	6.6174	7.17515	6.50944	6.61706	7.31725	6.90439	7.20155	7.04441
FAM201A	5.89265	5.049	5.7588	4.36688	5.80439	3.34536	5.0129	5.07199	4.124	4.10622	4.01749	6.52664	5.36761	4.77515	4.54977	6.23376
FAM204A	6.76495	7.24395	6.57417	7.21574	6.96768	7.13673	7.21091	7.43168	7.20659	6.91292	7.00801	7.09521	7.04441	6.7284	7.3146	7.47778
FAM205A	1.96392	3.72982	2.39414	2.0998	1.77016	2.24655	2.06028	1.67907	1.53958	1.78758	1.51119	2.10229	2.73615	2.59761	1.26858	2.45954
FAM205B	4.69272	5.27601	4.69357	4.26185	4.24993	4.31399	4.54858	4.82516	4.18954	4.86906	4.39999	4.11832	4.50899	5.00386	3.79931	4.63208

FAM206A	9.46719	9.03623	8.52697	8.90397	8.75247	8.49302	8.43605	9.05644	8.60087	8.8844	8.25743	8.34839	9.08426	8.87664	8.83123	9.50874
FAM207A	5.54991	5.43712	5.27844	4.81223	5.61304	6.53163	5.30988	5.01347	5.29032	6.64866	6.47587	6.1994	5.60742	6.22886	5.00175	6.26147
FAM208A	6.08239	6.40964	6.41254	6.3909	6.82985	7.3133	7.05931	6.6695	6.75886	6.28889	7.3363	6.74281	6.05707	6.75972	7.13366	7.01098
FAM208B	6.12841	6.0218	6.69042	5.94043	5.93594	6.31836	6.35935	5.83348	6.63394	6.60124	6.28311	5.32922	6.35116	6.39113	6.56402	6.47933
FAM209B	5.84166	6.71607	6.92836	6.68022	6.30426	6.01899	5.49535	6.18589	5.61701	5.76532	4.31762	6.79447	6.86068	6.49681	6.18661	6.14635
FAM20A	4.26239	4.19874	4.69923	4.44382	3.76552	4.17667	4.05738	4.85179	4.82189	5.88301	6.15232	4.97056	4.22701	3.59361	4.75257	3.9922
FAM20B	5.9069	6.28086	7.10887	6.19388	6.58666	6.38582	6.69601	4.84458	6.92754	6.2474	6.36077	5.35208	6.34769	6.51748	6.76518	6.71031
FAM20C	5.25807	5.43789	5.19529	4.6981	4.87951	5.18024	4.92985	4.98125	5.44364	5.15599	5.64954	5.03472	5.07278	4.83281	4.92697	5.22391
FAM210A	4.37968	5.80973	5.76939	5.1487	6.62134	5.89092	6.44429	5.64784	4.92151	4.06156	6.56788	5.8358	6.35595	6.23462	6.48309	5.8673
FAM210B	9.04992	8.53855	8.06678	8.55042	8.68454	9.88728	8.40382	8.20591	9.29297	9.69292	7.29091	9.05644	8.89125	8.62967	8.83478	7.00701
FAM212A	4.16384	5.22858	4.6592	5.35512	5.61148	3.82218	4.03876	3.71916	3.49474	5.02776	3.82899	6.35462	3.38837	6.7396	4.21771	6.14635
FAM212B	6.72621	5.76009	6.84955	7.1782	6.60593	7.1198	6.26824	7.26141	5.86136	7.57115	7.01068	7.43146	6.23972	7.03226	7.16207	7.43454
FAM213A	8.51154	7.85734	7.63101	8.20967	8.02205	8.56737	7.91964	6.46984	8.11404	7.49156	8.4587	8.26232	7.322	9.57352	8.87038	7.1297
FAM213B	7.86571	8.6352	7.73646	8.30348	7.50393	8.43264	8.58048	8.62646	8.12509	8.19658	7.97399	8.86149	8.48009	8.49751	8.28436	7.83033
FAM214A	7.02396	7.50536	7.54638	6.98952	7.05953	7.51829	6.22381	7.27163	7.4913	7.65632	6.99749	6.60657	5.90663	6.52979	7.31112	6.76807
FAM214B	7.43362	6.38062	7.29595	7.3304	7.00568	7.32427	5.91431	7.44137	7.48581	6.98769	7.05342	7.07946	5.81369	6.5815	6.9573	7.23624
FAM215A	4.72849	5.07244	4.54034	4.14041	3.57987	4.16542	3.52327	3.74908	2.35886	2.38782	5.06968	3.27772	4.52811	3.54384	3.7365	3.62725
FAM216A	6.93914	6.68051	6.68773	7.48235	6.87216	7.26413	7.46963	7.0602	6.66715	7.01562	8.17477	6.78271	8.62646	7.27491	7.04007	7.47527
FAM216B	9.02455	7.02785	3.32481	8.23953	3.12473	5.70221	3.00912	2.52957	6.17111	2.15841	2.3203	4.59609	1.68682	3.34999	2.84494	2.04035
FAM217A	5.44206	5.7102	4.88285	5.85187	5.2531	5.76009	5.62589	5.63471	5.40179	5.41573	5.80597	6.32848	5.81578	5.76939	5.43048	5.4439
FAM217B	9.37224	8.73274	8.71077	8.87897	9.52486	9.10997	10.1104	8.57847	8.78506	8.68047	8.59487	8.03983	8.30594	8.83547	9.32342	9.39668
FAM218A	3.72831	3.13052	4.25396	3.96497	5.26149	4.42298	3.383	4.64035	4.44222	5.60149	4.09177	4.19396	4.02516	3.79013	4.9315	4.574
FAM219A	6.59443	6.75392	5.56992	7.23129	6.38204	7.11288	7.04806	7.86541	7.39033	7.0261	7.03367	7.84768	7.43858	7.21428	7.21753	7.3713
FAM219B	5.56771	5.91892	5.45724	5.33406	5.82082	5.10335	5.65971	5.24458	5.6905	5.22506	5.72358	5.86108	5.80427	5.46851	6.35794	6.16248
FAM220A	7.74515	8.04476	7.78353	7.79266	9.26858	7.46409	8.03983	7.47646	8.02883	8.21756	7.83639	7.61387	8.86149	7.79704	9.10108	9.14959
FAM221A	8.87752	6.83546	6.95493	8.03609	5.96388	5.94701	5.85495	6.02598	5.71298	6.66656	5.76188	5.55179	7.43307	2.93125	5.91104	9.38768
FAM221B	5.3528	1.58173	3.68203	2.25844	3.38334	1.42001	2.75954	2.83945	5.01527	2.07832	1.95222	3.7042	4.45382	1.5436	2.21248	3.0606
FAM222A	6.90068	6.8185	6.67304	5.96305	6.94672	7.86404	8.42505	6.57993	6.40352	6.88265	6.93041	6.39148	7.15377	7.82261	7.41022	7.528
FAM222B	3.17857	3.41586	3.15379	4.69119	2.02496	4.36427	3.57168	3.34245	3.40648	2.63576	3.45744	2.01179	2.59488	3.14828	2.9127	2.96003
FAM222B	6.09815	6.75415	6.52472	6.39707	6.14843	6.53336	6.41769	6.70561	6.62398	6.82553	6.53713	6.32101	6.25659	6.54188	6.59293	6.41723
FAM223B	4.81528	5.27758	5.46582	5.65354	5.64806	4.94013	5.77371	5.75271	4.73809	5.01	5.4497	5.13806	5.06539	5.4269	4.76672	5.32341
FAM224A	3.02599	3.89112	5.27161	4.99227	5.63906	5.37627	5.2173	4.59647	4.33436	3.34275	4.23603	4.51613	5.33882	5.23587	3.64338	3.03549
FAM227B	5.89295	5.12109	3.61918	4.82547	3.69908	4.07031	4.43372	5.46303	4.85998	5.04565	4.03916	4.08906	4.91623	4.85914	4.39426	4.86491
FAM228A	5.88704	6.40851	3.90511	5.35874	5.60384	5.85098	5.67953	6.55951	5.38276	5.37867	5.96549	4.95899	5.24301	5.87121	4.78568	4.97647
FAM228B	7.67916	7.81607	7.42514	7.80379	7.51329	6.94359	7.66179	7.18064	6.91554	8.0757	6.79607	7.50788	7.43307	7.45726	7.00077	7.5095

FAM229A	2.80925	3.12933	2.71733	2.13579	2.82485	2.84613	3.79701	2.96846	2.6628	2.52666	2.92938	2.70965	2.72468	2.89937	2.79095	2.91618
FAM229B	8.88693	8.17017	7.38166	8.02161	6.51492	7.17527	7.59021	7.07077	6.9139	7.79685	6.78753	7.02785	7.53096	7.34297	7.05554	6.13746
FAM230B	7.10298	6.41424	6.76847	6.50434	6.23348	6.35116	6.96254	6.95912	6.25847	4.13002	6.15426	6.64708	8.15069	6.40786	6.31646	6.77848
FAM230C	3.58775	3.82382	2.77497	4.59609	4.21316	3.88596	3.99724	5.25151	4.97647	5.00386	3.42769	2.84585	3.89335	4.5359	4.12102	5.59355
FAM24A	3.28382	1.71163	2.23187	2.22193	3.10976	2.07394	2.5047	1.91261	3.15245	2.47565	2.15913	3.23711	2.13674	1.72157	2.93032	2.15094
FAM24B	7.89062	7.52006	6.53878	7.68357	7.36016	7.85642	6.87425	7.43579	7.84908	7.57764	6.77193	7.27283	6.44624	7.48357	7.7506	7.80406
FAM26D	3.02599	3.56819	1.73976	5.00175	2.55772	3.04945	3.12496	4.35762	2.81157	2.63576	4.15044	2.509	3.84364	2.86263	4.026	3.24808
FAM26E	5.30133	5.78258	5.94565	5.20307	6.21634	6.28624	5.68726	6.0987	5.94627	5.86223	6.09232	6.65093	5.75636	6.42092	6.1118	6.23645
FAM26F	6.2539	6.91292	7.33464	7.39069	7.1334	6.72646	5.76224	8.11503	7.73231	5.99998	8.83277	7.85105	7.81607	5.77244	6.74019	7.36877
FAM32A	8.87897	9.16326	9.07965	9.14361	10.0817	8.74665	10.0302	9.56595	9.72748	9.02815	9.2048	9.30365	9.57128	9.57819	9.50874	9.81254
FAM35A	8.9792	9.7968	9.66911	8.85868	9.44306	9.59327	9.66114	10.3679	9.19156	10.0365	9.98188	9.83943	9.32986	8.65576	9.84942	8.86457
FAM3A	7.20076	7.49002	6.66271	6.83558	6.92547	6.85663	6.6142	6.26341	7.45408	7.33445	6.89348	7.48041	6.78398	7.11055	6.74418	6.59699
FAM3B	8.18026	8.55764	7.46409	7.46703	5.22268	3.85447	10.3013	8.84687	7.23024	9.50129	5.12779	2.94469	7.27587	9.5648	8.75484	8.70805
FAM3C	6.54223	7.01061	7.35509	7.34444	6.70066	6.91486	6.78095	5.68466	6.69406	7.43085	7.49279	5.92959	5.85125	5.64679	6.59764	7.08047
FAM3D	11.1275	10.0844	9.04808	9.3797	5.93782	5.52508	4.39009	6.81728	8.22194	11.8738	6.41313	7.13215	6.51043	6.42667	6.06651	5.49205
FAM43A	6.1627	6.64067	6.14099	6.4043	5.42372	6.15395	5.48188	5.40915	7.31799	4.80946	5.65877	7.20629	6.5719	4.80192	5.68265	6.11953
FAM43B	4.20074	5.86819	5.63847	4.31296	4.37137	5.94701	4.42885	4.50182	4.46917	5.43291	4.76672	5.71898	5.35451	5.31833	5.32247	5.34559
FAM45A	3.12868	2.75729	4.24199	3.71651	2.45954	2.96351	3.94495	3.98921	3.23222	5.0084	3.04791	2.98506	3.97242	2.6917	2.53581	3.84496
FAM46A	6.0385	5.89223	6.129	5.74722	5.4025	5.61473	5.74611	5.44182	6.20911	6.6164	5.95026	5.39398	4.45614	5.40398	5.61959	4.59778
FAM46B	6.12164	6.27208	3.57935	2.00313	5.38528	4.2936	5.55137	2.88789	4.9433	8.18565	7.26312	4.21622	5.78301	4.935	1.40126	5.50582
FAM46C	8.92733	9.19557	9.98814	8.83206	8.54009	8.77566	7.04994	9.93446	9.26606	9.7059	8.64603	9.56326	7.93216	8.33735	8.90826	7.32176
FAM46D	3.89772	5.54926	3.50622	2.40724	5.16332	3.391	3.70182	4.16157	2.07939	4.595	2.63321	3.92989	2.39587	2.93125	2.52969	2.16972
FAM47A	4.78107	3.09358	2.04684	2.77414	1.48455	2.03544	4.91176	4.84165	2.79078	2.07832	4.24944	2.6814	3.12086	2.18939	3.76841	2.01298
FAM47B	4.93295	3.83303	3.61284	5.07849	5.14439	4.82763	5.42833	4.58601	3.2065	3.26858	3.43836	3.72108	3.00618	3.66246	3.9328	3.78507
FAM47C	5.40753	5.02586	6.17732	4.12191	4.73152	3.68688	4.52231	3.69279	5.77656	3.11051	5.33963	3.3015	3.95924	3.01384	5.36869	4.96263
FAM47E	4.95075	4.18531	5.29579	4.08527	3.86774	2.65434	5.0271	2.46648	5.09372	4.55142	4.42745	1.84666	4.88674	4.45641	3.63405	4.41688
FAM49A	5.2021	6.68752	6.89947	7.04784	6.25576	6.56543	5.05799	7.11716	6.29011	5.85667	7.29617	6.73909	6.48116	4.31334	6.45376	5.87434
FAM49B	6.08449	7.20184	6.8319	7.34333	6.7396	7.61683	6.83848	6.22172	6.92712	6.92393	7.44372	6.566	6.48777	6.46624	7.41264	7.55487
FAM50A	8.7811	8.82456	9.02044	8.25993	8.67368	9.00855	8.36194	8.47426	8.81092	8.82977	8.92195	9.0336	7.74219	8.85614	8.87897	8.77378
FAM50B	7.85291	7.83883	7.11639	7.77756	7.40732	7.78913	8.10199	8.37069	8.35203	8.15253	7.4983	7.73766	8.34789	7.52624	7.82179	7.53474
FAM53A	4.59228	4.91737	3.76863	4.3268	3.88146	4.49693	4.7668	4.83353	4.29237	4.56898	4.02952	3.8399	4.56255	4.56877	4.09191	4.16783
FAM53B	6.98813	7.10048	7.10564	6.71459	6.71311	7.69867	7.76459	6.6127	7.28713	6.39601	6.71149	6.00176	6.01609	6.48214	6.30626	6.984
FAM53B-	2.51159	3.25118	2.81374	3.59643	2.95886	3.51628	2.85497	4.18663	2.96741	4.59974	4.18362	3.09332	3.06481	4.5743	2.88387	3.95879
FAM53C	8.23471	8.28261	8.40309	7.65632	7.94201	8.46973	8.05838	8.08779	7.74661	8.12218	7.53012	8.27504	7.8562	8.61308	8.28007	8.137
FAM57A	8.50217	8.40382	7.79201	7.69298	8.53336	8.67223	8.52058	8.1649	7.30969	7.91603	7.40862	9.21274	9.15028	9.93225	9.31324	9.01348

FAM58A	8.37935	8.67112	8.58309	8.64714	8.09817	8.50078	8.32241	8.76664	8.71012	8.82891	8.23028	8.97832	8.70149	8.28608	8.23984	7.95868
FAM60A	6.75341	6.98274	6.94648	7.59959	7.40862	6.13374	7.46126	6.96694	6.53205	6.94061	6.4995	6.05903	8.25224	7.94631	7.18095	7.72378
FAM63A	7.6481	7.84908	6.54445	7.62768	6.80813	7.47068	7.24216	7.74644	7.76606	7.74011	7.48235	7.7042	7.32145	7.34486	6.51968	7.00026
FAM63B	5.25218	5.03935	5.75395	5.24253	5.48925	4.75654	5.37249	4.41114	5.04544	5.24722	5.48455	4.30999	4.19043	4.79043	4.66437	4.54258
FAM64A	5.39763	5.85056	6.35806	5.92336	6.94074	6.65595	7.5397	6.14716	6.8763	5.30815	6.34906	6.69829	7.76197	7.04795	7.46213	7.34748
FAM65A	5.39578	5.53096	4.97582	5.35106	5.02586	4.70093	5.17157	4.56226	5.53079	5.03472	5.45029	6.21452	4.80207	5.61854	5.43449	4.56149
FAM65B	7.63362	7.76606	7.46989	8.26232	7.66647	8.02589	6.36968	7.6443	7.71255	5.66789	6.53457	7.61901	6.74964	5.33521	7.21574	6.89899
FAM65C	4.91553	4.57737	4.98786	4.58146	5.45895	4.02009	4.97435	3.51167	4.95436	4.58277	4.32106	4.76031	4.69519	5.41634	5.01785	3.36364
FAM66D	2.61145	2.46272	4.06856	4.40668	3.48434	5.28652	2.53476	2.46648	3.38569	5.06904	5.11463	5.02213	3.57524	3.7466	3.16274	6.00448
FAM69A	6.10848	6.22158	6.34271	5.76856	6.50096	6.0044	5.85616	6.67366	6.08394	6.33042	5.78029	6.5801	5.99097	5.57066	5.9363	5.90626
FAM69B	3.93018	3.72239	4.45196	4.15054	3.76637	3.84597	3.38369	3.48036	3.96394	4.4478	3.4974	3.71882	4.06073	3.80647	4.3009	3.81401
FAM69C	4.0622	3.3786	4.31978	5.25003	3.50802	4.10435	4.72349	5.12847	3.59405	4.96614	3.05202	4.36401	4.12996	3.94866	4.06086	3.60117
FAM71A	6.40384	5.84195	6.82702	5.49824	5.86038	6.24882	6.67057	6.72599	6.4921	7.00523	6.57255	6.60014	6.52979	6.42518	6.93009	6.92962
FAM71B	3.52782	3.45764	3.76747	4.04247	4.13895	3.6339	3.54653	3.98967	3.60323	3.71405	3.53715	3.73135	4.07722	3.80301	3.73197	3.43307
FAM71C	5.43752	5.61731	6.60817	5.89493	5.23021	5.7251	5.02086	5.73575	3.95837	6.18035	3.12278	5.09441	3.77256	5.61679	5.88887	6.45727
FAM71D	5.7287	3.34445	4.6173	4.53167	3.79424	2.97137	3.32901	3.06557	4.82364	2.66614	4.50609	4.48087	3.05227	1.92414	2.79339	4.54565
FAM71E1	5.28282	3.55786	2.50291	6.00991	4.98786	3.6993	5.72213	3.29115	3.2065	3.42914	4.77111	5.3582	6.62571	5.71685	5.42944	3.50454
FAM71E2	4.04682	3.76953	4.26686	2.95827	3.59057	2.71531	3.24843	4.38594	3.56319	3.38447	2.59685	2.88902	3.5512	2.81157	2.66249	3.52632
FAM71F1	5.88563	6.63421	5.91251	6.38374	6.02198	6.68558	7.39737	6.72985	5.9769	5.80184	5.84031	6.74754	6.45189	7.1525	6.17842	6.41511
FAM71F2	5.23682	2.94714	5.12092	5.1084	5.1722	3.91828	5.03203	5.86617	4.41574	5.26485	4.91661	4.83675	3.43133	4.60832	5.82281	4.35788
FAM73A	6.72335	6.27451	7.01098	6.37493	7.60892	6.14455	6.87096	6.41038	6.65654	7.39921	6.47846	5.36392	6.36638	6.61395	7.04216	6.91871
FAM73B	5.90026	6.15404	5.87421	5.14188	5.82	6.29873	4.14005	6.16644	5.99187	5.85517	5.80469	7.10648	5.05646	6.08974	5.40039	5.76382
FAM76A	5.04772	4.80389	4.8047	4.76339	4.91034	4.38357	4.72209	5.24005	4.11032	4.55465	4.52188	4.45196	4.66254	4.71689	4.90526	4.83778
FAM76B	5.53282	6.33157	5.67467	6.02933	6.73292	5.70049	5.47252	6.14046	5.79966	6.18888	6.44533	5.99457	5.94675	6.25794	5.83	6.52729
FAM78B	3.83387	5.33002	5.35171	5.94931	5.29691	4.74354	6.28229	5.03836	5.02474	5.77613	4.98037	5.30337	5.32334	5.87819	5.90568	5.53739
FAM81A	6.50605	5.98826	2.76695	5.33833	5.72971	3.64338	6.03276	4.72387	5.35015	3.73088	4.39409	5.44522	3.69327	5.22673	5.34251	6.74325
FAM81B	10.7267	9.46488	5.45881	10.1967	6.0156	5.48413	3.70182	5.84319	8.10956	2.83032	2.56627	6.6594	4.02061	4.16905	4.71569	2.63794
FAM83A	4.55848	5.19028	5.36903	5.03914	3.84597	4.79885	4.35831	4.76067	4.40775	4.73125	6.52442	3.95997	4.83168	4.85808	4.49797	4.77818
FAM83B	5.08968	4.25565	5.10752	5.06667	6.44633	5.44364	6.10768	4.98927	5.34551	5.14009	5.5803	5.14478	5.00891	5.63452	5.71558	5.67359
FAM83C	4.70279	6.40584	5.3965	6.37272	4.51613	4.49604	8.89983	5.78665	6.51189	5.87942	6.74484	5.80526	4.81112	4.81223	4.81941	5.39197
FAM83C-	3.25147	2.51658	2.74259	2.79365	2.79083	3.52398	3.18384	2.52957	2.81157	3.60777	2.70123	3.4402	2.79294	3.0362	2.76084	3.53602
FAM83D	8.41149	9.15617	7.90554	7.15615	8.60522	7.87596	8.0979	8.1107	7.68857	7.25736	8.43237	7.48929	8.69776	7.39156	7.93728	8.49332
FAM83E	5.57283	3.45279	2.42383	2.38778	2.02496	2.97137	2.06028	2.07548	2.07939	3.80685	2.07483	2.10229	1.86408	2.05268	1.61881	1.85717
FAM83F	6.40233	5.35328	3.9258	3.66594	5.29588	3.92656	3.818	4.16157	3.92436	5.93577	5.5763	4.44519	4.70836	6.83449	5.24846	4.46349
FAM83G	7.22972	6.08497	5.55482	5.77375	6.28514	7.3443	7.7356	6.20535	5.34272	6.62128	7.06726	6.51165	7.22067	7.48493	6.60444	6.2767

FAM83H	6.14099	5.29914	5.61304	4.93717	5.69545	5.45206	6.43161	5.30361	6.2245	5.55223	6.14498	5.17978	6.26204	5.92215	4.98125	6.02379
FAM84A	5.74393	5.52073	4.56877	5.68975	6.26933	5.89665	6.80889	4.60697	5.95954	6.51087	5.26217	4.69181	5.39763	6.05165	5.78411	6.91379
FAM84B	7.30921	7.14001	7.39312	7.01893	7.4619	7.65178	8.06265	7.05849	7.17836	8.13389	7.43511	6.49184	7.14383	7.70966	7.86466	7.68599
FAM86A	5.39977	4.29087	3.15379	5.12521	6.14314	5.91451	5.77668	5.96686	7.16353	5.92053	5.82134	5.79694	6.48318	4.72155	6.13563	5.53829
FAM86B	4.98744	4.37703	3.95382	4.68296	4.35216	3.88236	4.8375	4.91397	4.66076	3.46884	3.48275	4.09001	4.78555	3.95338	3.70463	4.06738
FAM86C	4.75238	5.7691	3.51672	3.17801	3.27783	3.45096	4.95627	4.27613	3.8429	5.1154	3.57447	5.96658	4.88165	3.54384	5.79844	4.1399
FAM89B	6.66134	8.2561	7.38512	6.79359	7.82261	8.69101	7.13591	6.96543	8.37262	7.95203	8.38294	9.60059	9.01134	8.9396	8.1427	8.06455
FAM8A1	10.46	10.1456	10.1813	9.92274	9.49763	10.1104	9.27564	10.4448	9.38907	10.4698	9.2812	10.4387	9.7337	9.55087	9.53631	9.60364
FAM90A	2.16905	2.72769	2.39414	3.57686	2.68714	2.07394	2.45415	3.10948	2.70734	2.88148	2.48014	2.71947	2.42653	2.31516	2.63378	2.81134
FAM91A	7.7022	8.13334	8.21397	8.10055	8.35528	8.11688	8.00492	8.23492	7.77756	8.32414	7.91644	7.78949	8.63421	7.92999	8.51568	8.46562
FAM92A	5.92122	5.78483	4.98334	4.58277	5.41209	6.75444	7.02998	5.98188	5.90353	5.82226	4.91034	5.2126	6.75488	6.55377	6.43147	6.21452
FAM95A	4.93295	4.46777	4.61987	4.47048	5.77051	3.76182	4.14005	4.77096	4.56553	5.23031	4.18485	4.71106	5.58872	7.4416	3.51602	4.389
FAM96A	9.99925	10.8973	10.9989	11.1909	11.3517	11.1017	11.2324	11.1225	10.9679	9.71962	10.7518	10.8054	11.3034	10.7596	11.297	11.25
FAM96B	9.64364	9.90431	9.82707	10.6233	7.70458	9.85111	7.83976	7.72243	8.06678	8.23302	9.7568	10.3741	10.0756	10.2825	7.40819	8.83478
FAM98A	7.07295	7.60365	7.96786	6.67817	7.61565	6.51314	7.14639	7.55633	7.07804	7.75932	7.30705	6.64649	6.8519	6.86703	7.51042	7.2916
FAM98B	5.57155	5.01477	6.90769	6.43057	6.80843	7.40236	6.45116	6.14853	6.67664	5.64161	6.11524	6.39601	5.92839	6.59677	6.2802	6.68938
FAM98C	6.93789	6.59641	6.1103	6.95493	6.1833	6.92033	6.61529	6.02244	5.95809	6.06344	6.34043	7.60636	6.78565	6.75243	6.02788	6.5788
FAM99B	4.54741	3.42761	5.46755	4.61877	4.4943	5.10155	3.39293	5.74316	5.17602	5.73126	4.67727	4.81522	5.80193	5.10776	4.23617	4.70821
FAM9A	4.45919	3.89112	5.43789	2.55745	3.80647	2.34348	2.42155	3.79039	2.53538	2.2766	4.82998	4.59004	2.26476	2.68036	3.69726	4.22871
FAM9B	2.90619	3.84025	2.97179	3.22968	3.26676	3.48084	3.90987	4.35425	3.70835	3.44117	4.07228	2.47629	4.15981	3.30436	4.23371	2.92084
FAM9C	4.61264	5.30779	4.74775	4.41415	3.78235	4.61047	5.54023	5.28592	5.83794	5.67091	4.04541	5.72913	6.16168	5.21128	5.1212	3.18938
FAN1	6.59548	6.92377	6.20767	6.00833	6.89301	6.32149	6.34383	6.48403	6.21309	6.5515	5.878	5.91135	5.98281	6.14565	6.31578	6.63421
FANCA	5.80597	5.53911	5.85631	5.13901	5.95527	5.27137	6.15674	6.12018	5.79382	4.78121	6.40759	6.30248	6.04941	6.03567	6.10432	6.03276
FANCB	1.85741	2.17431	2.30303	2.49316	2.72936	1.75959	2.37612	2.72127	3.08274	1.76918	3.04513	2.60104	2.80891	3.08616	2.52342	3.09332
FANCC	4.88552	4.28615	4.69958	3.92057	5.04051	5.40648	4.78836	5.0536	6.08113	4.9251	4.39454	4.2476	5.06794	5.12344	3.77832	4.1954
FANCD2	5.61405	5.81646	5.77721	5.69545	6.76316	5.4251	7.16687	6.76871	6.18294	5.76624	6.75295	5.41719	5.99062	5.65993	6.37709	6.63705
FANCD2	6.33063	6.72754	6.10848	6.65364	6.57993	6.90246	6.55687	6.79149	6.70136	6.45815	6.59193	6.63967	6.64145	7.00902	6.75745	7.18266
FANCE	6.97241	6.95057	6.93089	5.66702	7.1565	7.51294	8.45848	7.55694	8.05137	6.57826	6.82178	6.3057	6.64633	7.56278	7.57441	5.92597
FANCF	7.31898	7.55817	7.10136	7.57964	7.61148	7.63737	7.31288	7.21035	7.6526	6.65704	6.79489	7.44901	7.64788	7.42868	7.6702	7.50393
FANCG	8.53635	8.79617	9.35677	8.61511	8.84184	8.68337	8.97315	9.02178	8.89068	8.17657	8.90934	9.45311	8.43264	8.54726	8.64201	9.34332
FANCI	5.01612	4.95724	5.65306	5.21531	6.51597	5.63471	7.77962	5.97667	6.50559	5.00773	6.83799	5.81938	6.54472	5.87645	6.66684	6.83067
FANCL	8.44583	8.23238	9.20378	8.41394	9.41176	9.28645	10.0245	9.05155	9.4567	9.19557	8.99433	8.44434	9.2912	8.7622	8.85546	9.49577
FANCM	3.66032	3.70654	4.8213	3.52204	4.58543	4.74319	4.71235	4.32046	4.44138	4.33276	4.95828	3.41904	4.24199	2.53581	3.70541	4.59074
FANK1	11.088	8.46227	7.18387	9.19844	7.67312	7.60636	7.8419	7.94855	7.96091	7.36129	5.24795	7.70929	6.80762	8.02694	8.27662	7.68471
FAP	5.62378	5.38965	7.60624	3.53793	7.27451	6.36476	4.15069	6.74019	5.73556	6.2531	6.7557	5.59287	5.39073	5.71377	7.21753	6.6686

FAR1	5.31468	5.64598	6.6682	6.12544	7.37019	5.75728	6.64123	6.31417	7.09849	5.90151	7.04216	5.35947	7.13275	6.235	6.81521	5.7384
FAR2	5.84328	5.65893	5.78133	5.74832	4.814	4.37538	4.6787	5.35839	5.37964	5.593	5.77919	4.82056	4.85808	4.59852	5.51648	4.8415
FARP1	6.92291	5.11528	5.96423	6.2118	5.82766	6.00366	6.5958	6.05326	6.41563	7.49983	5.79645	6.4651	5.84548	6.18061	6.71442	6.11453
FARP2	5.70357	5.16305	5.30548	5.5121	5.23546	5.11687	5.93344	5.37446	5.86096	5.92501	5.0905	5.63513	5.60515	6.4034	5.96765	5.36928
FARS2	6.9718	7.28473	7.11823	7.66822	6.76518	7.23713	6.93472	7.28781	7.12575	6.89922	7.01562	7.371	6.81244	6.83775	7.22559	7.43659
FARSA	5.84953	5.82532	6.03605	6.11077	6.38374	5.99607	6.79912	6.34657	6.04035	6.71442	7.71824	7.98311	6.48966	7.62033	5.79118	7.49352
FARSB	6.57346	6.38675	5.57669	5.9717	5.89104	5.80545	4.57076	5.96182	5.35652	5.26279	6.60163	5.89586	6.97213	5.6532	6.72689	7.31233
FAS	6.29087	6.72429	6.791	6.35493	7.81141	6.64457	6.20321	6.64525	5.98786	5.97293	6.75319	6.32482	6.37898	6.63394	7.31963	7.12799
FAS-AS1	5.16837	2.79266	5.68932	3.99755	4.52738	4.73879	3.65785	5.43004	5.86136	5.2129	5.23713	5.75568	5.35451	4.98856	5.00294	5.61508
FASLG	6.1826	5.69083	6.93357	6.10632	6.31219	5.80159	6.80682	6.67287	6.54101	6.05071	7.81222	6.49401	5.51802	6.05312	6.09691	6.46694
FASN	5.3882	5.98394	6.34254	4.9277	5.17386	5.68176	5.41899	4.72309	5.33126	5.8694	5.0129	5.63274	5.13493	5.68203	4.58277	5.324
FASTK	7.23812	7.04028	7.0755	5.55753	7.01699	7.10875	6.73309	6.16037	7.40123	7.13275	7.21934	8.46973	6.86345	7.5749	7.97691	7.83883
FASTKD	7.98708	8.06728	8.26602	7.8419	9.04557	8.99676	9.01248	9.67232	9.75555	8.22616	8.8123	8.03276	9.10034	8.80081	9.34108	8.94892
FASTKD	6.37311	6.04656	5.88796	5.69964	6.70168	5.96999	6.42803	5.97352	6.11917	6.74939	5.55094	5.75684	5.78029	6.22135	7.09873	6.69747
FASTKD	6.95042	6.986	7.83923	7.19274	8.12039	7.71363	7.80837	7.97984	7.39921	7.06255	8.05612	6.8537	6.95202	7.03744	7.54638	7.96389
FASTKD	7.31625	7.53657	7.67098	7.56252	8.10034	8.00232	8.14931	8.07801	8.27118	7.70241	7.7461	7.56252	7.74992	8.00512	7.90018	7.49983
FAT1	9.15499	8.87038	9.37769	8.03432	9.21392	10.6118	9.46135	8.9255	9.11675	10.3679	8.93587	8.8897	9.7968	8.23238	9.04557	8.45101
FAT2	6.73699	2.51658	2.90619	2.95827	3.29261	3.84347	6.06525	3.13235	7.46017	3.63896	3.92452	4.33523	5.46473	5.51092	6.81608	3.49413
FAT3	4.64303	4.93015	6.10124	5.8839	7.10298	6.16644	6.53899	5.72913	5.54665	4.79626	5.36051	5.52965	6.03493	6.50944	6.06758	5.95902
FAT4	5.85355	4.89182	6.69068	5.64965	5.55298	5.95178	4.96563	5.97638	6.15629	6.02266	5.80858	5.89719	4.51181	5.34843	6.86877	5.27933
FATE1	6.71221	6.99083	7.35385	7.4983	6.50169	6.91907	6.97441	7.43844	6.93431	6.81678	6.30117	6.80312	6.59848	7.12832	6.56859	6.39528
FAU	12.8186	13.0559	12.8186	13.0559	13.0559	13.0559	12.9525	13.0559	12.7548	12.468	12.9043	13.0559	12.9043	12.9525	13.0559	13.0559
FAXC	4.79861	5.70907	4.96159	4.43188	6.18015	6.87216	4.80767	3.68942	6.55834	6.83608	3.04393	4.61047	7.05317	5.73966	5.92433	5.81147
FAXDC2	7.62073	7.16597	7.36428	7.60493	6.36267	7.16353	6.47297	6.99984	6.93064	7.79351	6.53093	7.41351	7.06858	5.91892	6.01691	7.08393
FBF1	6.7418	6.93763	6.96991	6.25838	6.84518	6.19907	6.29754	7.07656	5.88076	6.16097	6.18515	6.56402	6.40819	6.79415	6.37043	7.10136
FBL	10.7596	10.7062	10.0897	11.1225	11.3246	11.3246	10.9732	10.1456	10.2283	10.4243	10.7062	11.9321	10.8912	11.2633	10.8206	11.2278
FBLIM1	6.16754	7.20472	7.32463	6.88035	6.18222	7.47138	7.31853	6.94865	6.80131	7.78725	7.19582	6.85143	7.01816	6.81587	7.06524	7.45568
FBLL1	6.77897	7.49517	6.28777	6.29269	6.404	7.31625	6.63361	7.26997	7.32857	6.96411	7.27858	7.69081	6.94884	6.93854	7.01184	6.90423
FBLN1	5.62516	4.66808	6.13152	4.70017	5.77971	4.49934	5.51275	4.66437	5.54756	6.48056	5.71939	4.73297	5.33224	5.07446	6.18435	4.81026
FBLN2	7.52624	7.61253	8.80992	7.66951	7.58761	7.34845	5.34129	6.39586	6.23669	8.51656	7.58615	8.16504	6.70802	7.38703	8.35376	6.67777
FBLN5	2.30837	2.39163	2.86268	3.27048	6.41867	2.45459	1.68451	2.17246	3.02333	3.80685	1.82109	2.44179	2.07729	2.44811	4.17392	3.28662
FBLN7	5.55753	6.56965	6.31673	6.20531	6.69878	5.97352	5.88216	5.8463	5.6566	6.02979	5.66728	7.3098	5.33438	5.44628	7.16396	5.3575
FBN1	5.78504	6.16231	7.84101	5.95579	7.34834	6.65074	6.24052	7.14809	5.8995	6.68208	7.18198	6.77758	5.91087	5.52374	7.93896	6.87781
FBN2	3.07162	4.44748	3.1156	3.79285	4.75746	4.39519	4.05985	4.08349	4.2698	4.17832	4.45943	3.89967	3.68112	4.13895	4.46555	5.44452
FBN3	5.09791	4.29087	6.20038	6.44576	6.31611	4.99197	6.83931	4.63743	3.63964	6.85041	4.46398	4.59004	6.88611	5.82543	5.86281	5.35438

FBP1	6.34518	7.51329	7.04039	7.06297	6.56076	6.32028	6.28657	5.94733	8.56997	8.44841	7.50195	6.74984	7.63667	5.68401	6.09652	5.89863
FBP2	2.23882	2.18884	2.23187	1.26539	3.55491	2.11228	2.1009	2.95859	2.35886	2.2766	1.59488	1.87757	2.81611	3.47687	3.17223	3.16144
FBRS	5.4486	6.11865	6.134	5.41079	5.96464	5.27276	5.63003	5.45261	4.78378	6.08039	5.39933	5.59343	6.16456	6.35285	5.66468	4.98595
FBRSL1	4.82272	5.01713	4.9341	4.71077	5.06482	5.29878	5.2212	5.10092	4.83886	4.82805	4.78582	5.17386	5.15281	5.33742	5.0616	5.21484
FBXL12	6.25137	5.37537	5.45313	4.86073	5.35585	5.76823	5.84468	5.6892	5.88618	5.54416	5.6126	5.83859	6.01189	5.10043	5.23875	5.93676
FBXL13	5.39911	4.25052	4.50847	5.27864	4.95972	4.33416	4.40873	3.47862	4.5892	4.61206	4.51165	3.28495	4.61145	4.07184	3.38113	4.79719
FBXL14	5.90118	5.65907	5.76092	6.31191	7.42635	5.70933	5.55632	6.59885	5.95408	6.70376	5.94931	6.72058	5.75684	6.89723	6.35574	6.47407
FBXL15	6.86192	6.51608	6.04515	6.22135	5.47673	5.34835	2.27576	2.37778	6.03972	7.13022	6.94132	9.00017	6.06561	6.56066	3.94704	6.46984
FBXL16	4.06814	3.87488	4.03714	4.59974	4.60638	4.38415	5.10495	4.56149	4.45763	3.53424	4.34346	4.47807	4.48984	4.77355	4.45019	4.60009
FBXL17	5.50313	5.7789	5.81646	5.53539	5.07061	5.72735	5.63871	4.84501	5.0241	4.30345	5.61824	5.50211	3.88996	4.86214	4.89126	4.19473
FBXL18	3.94319	3.06985	3.5135	3.51777	3.1043	4.17188	4.29709	2.97036	3.73511	3.93732	3.87488	4.18699	3.0807	3.55162	3.32599	3.57057
FBXL19	5.68623	4.42829	3.95827	4.82178	3.75099	5.21937	2.20014	4.80693	3.74437	3.31009	5.76347	6.25576	4.88165	6.07557	4.86178	5.38269
FBXL19-	5.15459	6.17352	7.36788	5.86933	5.38965	5.30537	5.84791	7.28961	6.01115	5.53181	5.74268	5.95435	5.96219	5.5861	5.92567	5.12161
FBXL2	7.04119	6.85882	6.43834	7.0576	6.86778	6.69488	7.04258	6.66787	6.42733	7.36287	6.47449	6.94902	5.19042	6.40473	6.67845	6.51631
FBXL20	5.22148	5.10115	5.22694	5.06996	4.51723	5.49219	4.56473	4.44693	5.01906	5.39676	4.74464	4.56504	4.77355	4.96044	4.91008	5.55535
FBXL21	2.15437	3.59171	2.96003	2.96902	3.57327	3.11051	2.94176	3.0032	3.12496	3.77762	3.16504	2.50218	2.57877	3.1203	3.05889	2.91573
FBXL22	3.25147	0.79	0.53357	1.55195	1.42806	0.49837	-0.238	0.27064	0.69487	1.59139	0.41243	0.05171	-0.7797	0.96901	-0.6813	-0.0459
FBXL3	6.61924	7.39238	7.24395	6.76518	6.87204	7.83226	8.49014	7.45606	6.69435	6.90081	7.64185	7.42589	6.35574	7.11435	7.03398	7.35652
FBXL4	6.70439	6.57921	6.53395	6.50721	7.4726	6.64123	7.01269	6.4202	6.31957	6.54069	5.8117	6.36329	6.56296	7.00599	7.16948	7.29816
FBXL5	9.07924	8.97745	8.5739	8.83123	8.37142	8.77753	8.2561	9.14095	9.03434	9.22423	8.38038	7.9765	8.50501	8.31557	8.88035	8.25283
FBXL6	2.73925	2.70081	2.60771	2.56905	2.72967	2.47333	3.1156	2.69081	2.24074	2.92343	3.5533	2.8391	2.30762	3.52473	2.42891	3.72239
FBXL7	8.18597	7.9214	7.96021	7.23024	7.13731	8.31214	7.34287	7.89435	7.62599	8.15886	7.0308	6.89365	6.87122	7.50686	8.01606	7.0854
FBXL8	6.20943	6.91379	6.35047	5.97882	6.4564	6.45517	6.50501	6.4995	6.14347	6.70731	5.95661	5.82023	6.706	6.48293	5.91325	5.99406
FBXO10	4.39682	4.56925	4.81676	4.67029	4.86187	4.7732	4.54145	5.10752	4.27152	5.02605	4.7474	5.04051	4.4239	5.16345	4.82272	5.68466
FBXO11	7.44302	7.24292	7.50897	7.61729	8.20394	8.22263	8.64938	8.07286	8.234	7.21911	7.55367	6.87241	7.41172	8.09933	8.14205	8.09661
FBXO15	9.81607	8.46549	6.93789	9.05286	7.41264	6.74706	6.47253	7.27109	7.57333	4.81582	6.05702	7.93633	8.13808	6.52354	7.72953	5.32341
FBXO16	6.74745	6.56543	7.01686	6.24397	6.31611	6.7635	6.81021	7.49533	6.28105	6.82158	3.88263	6.81125	7.06373	7.08748	6.76605	6.73729
FBXO17	3.9591	3.61956	3.48538	3.76038	4.50197	3.99153	6.38093	3.94809	3.46459	3.82085	3.70318	3.9549	4.44582	3.99364	3.88656	3.47381
FBXO18	6.03071	6.63311	5.95242	6.51534	6.48318	6.68773	6.3009	5.59946	6.1024	6.66257	5.45724	6.56229	6.61197	6.88287	6.38062	5.85947
FBXO2	4.71779	5.41552	6.5239	4.91834	5.4585	5.0929	5.33875	5.20872	4.48281	5.67382	4.91813	5.40317	4.27608	6.2736	4.89066	4.78836
FBXO21	7.41351	7.12084	6.96211	7.35385	6.2843	6.81306	7.57594	6.8412	7.07424	7.28322	6.39959	7.00801	6.68752	7.28741	7.52337	6.75544
FBXO22	4.94835	4.80555	5.9177	5.51506	6.2804	6.24655	6.00325	4.96394	5.46462	5.92663	5.992	5.77721	5.74444	6.30585	6.09165	6.28777
FBXO24	5.27137	5.02024	4.1368	3.58161	4.69958	3.89091	3.41615	4.45583	3.61918	3.48604	3.50971	2.98648	3.87503	3.66815	3.47278	4.52039
FBXO25	7.48137	8.12992	7.86423	7.58194	8.25368	6.65137	6.68966	8.09717	7.71667	7.97748	7.21589	7.58689	8.53555	7.85291	7.38734	8.48742
FBXO27	6.4651	6.13028	6.43834	5.90124	6.23348	6.42309	5.42167	6.41892	6.455	6.7154	5.71853	6.15904	6.21022	5.79936	6.23691	6.38814

FBXO28	6.11134	6.22548	5.8369	6.50819	6.16438	5.87129	5.81488	6.04776	6.36574	5.85303	6.49232	6.35819	7.05342	6.323	5.73452	6.39369
FBXO3	6.16168	6.19907	5.88899	6.16231	6.2673	6.51291	5.97859	6.20059	6.47043	6.35878	6.50191	5.9192	6.27109	6.14599	6.24639	6.08317
FBXO30	6.2608	6.38544	6.81108	7.04499	6.75996	6.72473	5.86024	4.71933	6.13206	6.45319	6.74902	6.27066	6.72579	6.73987	6.48403	6.5503
FBXO31	6.99511	5.99734	6.27471	6.66271	6.82702	7.01407	6.92712	7.27718	7.08431	5.36831	6.1475	7.38917	6.32017	7.27394	6.43689	5.53995
FBXO32	4.60972	4.56877	4.51562	4.61007	4.73921	4.80725	5.59254	4.50716	4.75618	5.53864	4.70793	4.44183	4.90058	5.12795	5.40317	4.92635
FBXO33	7.27843	7.47821	7.75523	7.45408	7.87248	7.56512	7.88778	7.89596	7.96455	7.8312	7.94485	7.31824	7.26997	6.57488	7.3728	7.13227
FBXO34	7.46126	7.2533	7.51144	8.02774	8.15253	7.34787	7.2577	6.9262	7.16078	7.18981	7.43085	7.46909	7.19745	7.52405	7.17933	7.18675
FBXO36	5.3347	3.42081	3.33011	3.99376	4.07071	3.05889	2.97713	3.93299	4.05376	3.58305	3.75252	2.8232	2.89747	4.2307	3.73244	3.12884
FBXO38	6.90744	6.45463	6.99781	6.86762	6.65833	6.7883	7.21316	6.77427	6.71017	7.57964	6.62914	6.61862	6.95429	6.69495	6.80929	6.58127
FBXO39	4.09491	3.23142	4.74775	4.19971	4.41516	4.61747	6.17878	3.73495	5.40688	5.26485	3.30436	3.58062	4.04818	4.13014	3.5512	3.54848
FBXO4	4.53544	4.76643	4.10106	3.34265	4.95627	4.47767	4.52354	3.75445	5.27655	4.65251	4.81915	3.39239	5.89143	3.91094	4.14261	3.55069
FBXO40	3.21508	3.63696	3.65133	3.68528	3.92314	4.4227	2.59854	4.29832	4.67727	4.2174	2.46835	3.67678	4.74959	3.60559	4.65694	3.66815
FBXO42	6.14478	6.84972	6.1534	6.58582	5.97667	6.36379	6.66527	6.55896	6.56324	6.39825	6.24458	6.51189	6.57453	6.30273	5.71355	6.70005
FBXO43	4.44608	4.34246	3.99755	3.83907	4.58067	3.91828	4.75355	4.11111	3.63964	3.58913	4.54707	4.59609	4.59673	3.6144	3.36098	4.73841
FBXO44	6.31515	6.5982	6.9017	6.83474	6.6178	6.47005	7.01461	6.77061	6.72233	6.1275	6.31108	7.07497	6.92124	6.56491	6.52209	6.73883
FBXO45	5.40574	4.87039	5.43712	5.32145	5.38422	5.84712	5.78238	4.26025	5.85303	4.33103	5.74943	5.65592	6.15181	5.39317	5.15808	5.52822
FBXO46	7.81725	7.66255	8.23881	7.76155	8.15305	7.76184	7.40862	7.67668	7.88723	7.17727	7.98651	7.23377	7.45153	7.06621	7.65208	8.69402
FBXO5	5.80882	5.12314	6.45844	6.15413	5.42963	6.03045	5.02925	4.30345	4.08875	4.6793	6.88354	4.40301	5.73131	5.92045	5.27456	6.70196
FBXO6	8.44123	8.31666	8.49612	6.95859	7.46139	6.36148	7.59573	7.72919	8.03444	6.586	7.49699	8.75045	7.90347	8.05665	7.25315	6.57151
FBXO7	6.8956	7.32914	7.72534	7.43279	7.92948	7.2013	6.98832	6.83168	7.6407	7.65979	7.44793	7.10758	6.5805	8.35838	7.7785	7.18439
FBXO8	7.6407	7.88233	8.05282	7.96389	7.8991	7.2941	6.81265	7.31112	7.24572	7.14421	7.58117	7.17539	8.05054	7.18404	7.47778	7.49041
FBXO9	6.71827	7.24036	7.66502	7.30682	6.89693	7.32176	7.84356	7.09966	7.23443	7.71299	7.19334	7.2324	7.327	7.03543	7.15716	7.30458
FBXW11	6.71311	7.32104	7.49656	7.22669	7.15739	7.41439	7.64528	7.54165	6.90197	7.47865	7.38189	7.07585	6.76245	7.5431	7.69696	7.00096
FBXW12	5.23546	6.846	6.28743	5.16701	5.52822	6.01309	5.85348	5.89295	5.87377	5.76297	5.99792	5.58285	6.1336	5.45866	5.28972	5.15007
FBXW2	6.08061	6.0437	6.82903	6.2407	6.65691	6.53593	6.1613	6.4377	6.45541	6.36226	6.24136	5.84764	5.99882	6.78574	6.34146	6.28211
FBXW4	7.70439	7.92068	7.35675	7.42441	7.38917	7.64799	7.33712	7.10517	6.92337	7.04107	6.78258	8.2149	7.6481	8.44211	7.6407	6.87122
FBXW4P	2.89649	2.18884	3.15379	3.39777	2.94105	4.23809	3.61825	3.21508	3.35168	3.09196	3.28741	2.59016	3.44604	4.84817	3.4886	2.73131
FBXW5	7.74219	8.38294	7.62815	7.23822	7.90573	7.67639	7.87296	7.11159	7.91198	8.27429	7.65828	8.82517	8.53799	8.68272	6.59181	7.93087
FBXW7	6.20463	6.70872	7.60305	7.13623	6.93247	6.92582	6.5788	7.21241	7.22234	6.91814	6.62616	7.07685	7.82975	6.846	6.8334	7.9021
FBXW8	5.99039	6.01669	5.56217	4.67088	5.7079	5.07507	5.20294	5.77151	3.69577	6.09071	4.84947	4.45556	4.4044	5.4626	5.5579	5.15599
FBXW9	9.21051	7.46659	6.98358	7.76946	7.18675	6.65283	7.05247	7.47778	6.25692	6.96882	6.71238	7.2897	7.00523	7.4416	6.79723	7.02701
FCAMR	3.88851	4.77515	3.44341	6.18076	5.0579	2.5608	1.91146	5.87887	5.93916	2.63576	4.04026	4.55964	2.59488	2.65463	3.93945	2.7492
FCAR	3.67571	3.90348	3.53968	4.0795	3.90264	3.65681	4.29377	4.11653	4.00838	3.77659	3.63678	3.65133	4.1094	3.83233	3.55528	3.62534
FCER1A	6.4679	6.65377	6.6178	7.08446	6.03567	7.16126	7.01477	6.77216	5.78092	6.92227	5.40753	7.14133	5.93541	7.03897	7.75274	6.27471
FCER1G	6.00906	7.09901	7.50856	7.59417	7.6003	7.55487	7.26624	8.00126	8.68785	6.94792	8.89896	6.8869	7.7785	7.26381	7.37995	7.36129

FCER2	4.4062	4.47013	3.96826	4.10281	3.82745	4.68584	4.17234	4.18777	3.66155	3.86393	4.40463	3.43024	2.85264	3.69048	4.23311	3.49824
FCF1	5.73103	5.03836	5.64816	5.99416	5.58748	5.69214	5.89914	5.94649	5.60476	6.17289	4.86187	5.41899	3.89634	5.60091	4.55883	6.23661
FCGBP	9.48305	8.22537	9.97929	7.53123	8.12631	7.9767	9.67664	7.09511	7.18439	11.9321	5.06968	9.00136	7.80903	8.95876	11.3517	7.2634
FCGR1A	4.45264	2.69344	3.27793	1.89139	5.05393	4.76146	3.20323	4.69169	4.9172	5.19743	4.89326	5.02213	4.46842	5.17875	5.15918	4.94079
FCGR1B	3.09851	4.78107	7.09619	3.15929	7.51096	6.74706	5.23969	6.54687	7.52337	2.91059	9.85111	6.09264	7.50104	5.0094	5.37466	7.4156
FCGR2A	4.30957	5.79835	5.99754	6.02526	5.38784	5.98826	4.43135	6.16168	6.10048	3.8116	6.60467	5.6132	6.59954	4.54667	4.93219	6.04935
FCGR2B	6.57865	7.60189	8.33771	7.85291	7.69466	7.75974	6.73533	8.01193	7.34402	7.01235	7.01804	8.38746	7.65355	7.18967	7.88093	7.419
FCGR2C	4.16172	5.17051	5.75747	5.61731	5.34934	5.03535	4.67509	4.52282	5.03262	5.28021	4.92179	5.42087	5.02328	4.83726	4.46828	4.96752
FCGR3B	6.87509	8.31951	9.34402	7.79216	9.00855	7.98921	7.5588	8.75873	9.34108	8.16028	9.8758	8.14368	7.84207	7.46593	9.18354	8.30791
FCGRT	7.74792	8.61941	7.81636	8.28007	7.94351	8.62877	6.14076	7.19766	7.77205	9.12067	8.95283	9.7568	7.94906	7.02816	7.4238	8.47975
FCHO1	3.72099	3.00618	3.91647	3.28542	3.71929	3.42836	4.29522	3.85505	4.76618	2.91059	4.53449	3.9057	5.08852	3.66246	3.8556	3.18938
FCHO2	4.81793	4.81256	5.04479	4.92321	5.95836	4.74336	5.12426	4.23481	4.71736	4.80583	5.62571	4.06814	5.13318	4.29638	5.13649	4.98956
FCHSD1	3.98251	4.1555	4.97252	4.83511	3.59987	4.39244	4.2978	4.05802	5.14439	3.3365	4.74354	4.2754	3.79473	4.26827	4.15142	3.81758
FCHSD2	5.9567	5.90037	6.25955	5.72288	6.19838	6.07898	6.0877	5.75357	6.52681	4.48593	5.78176	5.9871	5.80388	6.44275	6.54403	6.03389
FCN1	5.29504	6.44799	7.06945	6.8906	6.14314	6.93816	5.6459	6.78063	6.60078	5.89969	9.02691	6.5702	5.66277	5.36067	6.54946	5.43189
FCN2	6.20252	5.81884	6.55493	5.65565	5.7268	5.91251	5.83789	5.81684	6.26477	6.5358	5.74722	5.58467	5.99084	6.35436	5.59162	6.28827
FCN3	6.76884	6.69975	6.94544	6.45625	6.15893	6.97857	6.84053	7.64096	6.36267	6.96411	6.9813	6.47236	6.7892	6.99664	6.75022	6.475
FCRL1	6.61041	7.32463	5.75191	7.04276	6.45915	6.60014	1.775	4.09191	4.47073	2.55972	3.22692	6.11977	2.44481	2.22838	4.07985	4.72757
FCRL2	5.3226	5.86754	6.29011	6.0207	5.53637	5.94021	5.29857	5.77244	5.70032	5.30926	5.00103	6.0495	4.68245	5.4513	5.70963	6.00101
FCRL3	4.94472	5.50547	5.38244	5.78886	5.70646	6.3443	4.94318	5.89679	5.79922	4.8471	6.24252	5.91594	6.19241	4.5817	5.5947	5.67544
FCRL4	3.22942	6.59954	4.35634	4.17798	4.30268	3.74494	3.1122	3.93204	5.27758	2.65493	2.57765	3.73197	2.91618	2.63576	4.27298	3.80647
FCRL5	5.77613	7.57158	8.19276	6.77456	6.815	6.84429	5.77186	6.99294	7.69258	7.62995	5.42087	7.88943	6.08239	6.34674	6.24803	5.56396
FCRLA	5.2999	5.89763	5.44119	5.95457	6.07413	6.05835	3.6244	5.80803	5.77746	4.92803	3.89582	6.81012	3.73033	4.97776	5.54814	4.49757
FCRLB	3.04535	5.90903	4.9024	3.46996	3.44117	3.04945	2.98815	5.28095	3.45216	3.39891	5.55582	5.42644	2.5663	3.77151	4.10265	4.1399
FDCSP	9.64026	9.72915	11.9698	9.24332	10.9849	8.05368	7.60248	9.25277	7.93138	12.1308	5.92496	7.95239	4.11284	3.3814	8.95531	11.0355
FDFT1	9.25706	8.99433	8.67903	8.50784	8.96715	8.74249	9.04007	9.08296	8.84034	9.57819	8.06036	8.59276	8.36759	9.12492	8.53692	8.29592
FDPS	9.75827	9.84942	9.65256	9.78666	9.62677	9.37612	10.0079	9.92568	9.70802	10.1529	10.0697	10.1887	9.08658	9.74322	9.86158	10.2113
FDPSP2	5.52799	5.94043	5.97829	5.6699	5.14982	6.77644	7.06265	4.99236	5.34272	6.42722	5.89602	3.60204	4.8922	6.06571	5.62812	3.93004
FDX1	7.9949	8.35528	7.99228	8.75563	8.44632	8.09695	7.58033	8.53909	7.80077	7.83082	8.08258	8.39449	8.39908	7.64286	8.06417	8.09264
FDX1L	7.34035	5.13976	5.23257	6.30541	6.13485	6.50096	5.79711	5.36018	3.55701	3.2328	5.73705	7.27718	5.29674	6.15504	6.34665	5.70264
FDXACB	2.75185	3.18041	2.63513	2.69863	3.94739	2.81599	2.98815	3.66599	3.31034	2.2766	3.99549	5.16402	3.97703	2.79431	3.66756	3.47381
FDXR	8.93865	7.5206	6.33203	7.34921	7.20682	7.59141	7.83726	7.0208	7.31443	6.75866	7.37359	8.37038	7.45093	8.7789	7.41816	6.67664
FECH	6.50306	6.15875	5.9567	5.66789	6.86221	6.16396	6.03682	5.30238	6.60467	6.50381	5.63956	5.33851	5.59041	5.77971	6.01778	6.00684
FEM1A	6.0422	5.26452	5.05998	6.28624	6.55182	6.19599	7.18732	5.22241	5.57155	5.29597	5.91288	6.41254	5.86123	6.60014	6.47903	5.6558
FEM1B	6.45669	6.92962	6.29809	6.04073	7.24097	6.98373	7.25372	6.48293	7.14679	7.08446	7.17933	6.02213	6.8096	6.93009	6.95472	6.4737

FEM1C	7.17445	6.87331	6.50774	7.11703	6.72205	7.15739	6.92161	6.73081	7.38264	7.11075	7.39338	5.24956	6.90904	7.33768	6.99156	6.91829
FEN1	7.67863	8.28067	8.4102	8.11688	8.83277	8.78234	8.94713	9.33233	8.54987	7.9141	9.10446	8.70701	8.81055	9.31733	8.49813	9.01865
FENDRR	6.29331	6.07493	5.82766	6.39231	6.13065	5.99025	5.38933	7.09703	6.00586	5.34698	5.87407	5.70907	6.46546	5.96539	6.24994	5.27149
FER	3.99057	4.10127	4.16516	5.34415	4.34289	4.63552	5.08546	4.54176	4.37968	4.23311	4.64969	4.54346	4.88534	4.51664	4.19646	4.52724
FER1L4	5.67359	6.31836	6.77322	6.29187	6.23742	5.66008	5.7384	6.22938	6.45868	6.92873	4.61957	6.28827	5.21372	6.39033	6.22768	6.10475
FER1L5	4.45264	2.18884	2.75954	3.06525	3.30882	2.83735	4.84572	2.8638	3.69577	2.5437	1.87674	1.91466	2.49591	3.51712	3.51602	2.38828
FER1L6-/	4.93295	5.92887	5.64411	5.71644	5.32334	5.41634	4.85299	4.7289	5.21762	3.91319	5.89151	6.01474	3.79701	4.41097	5.35492	4.2082
FERD3L	3.44273	3.21812	4.04694	2.98748	4.25669	4.21854	4.03876	3.23218	3.36695	3.49311	3.29289	3.65608	4.72178	4.35255	3.71004	3.52431
FERMT1	6.24176	6.55469	6.49246	5.91782	7.2774	7.79704	8.18643	7.08047	6.28284	5.47407	6.37512	6.96543	7.22016	8.06529	7.97893	7.04472
FERMT2	5.63203	4.63899	5.54464	5.28004	4.46892	5.04103	4.3009	4.66687	4.61181	6.46154	6.20232	4.70214	4.16478	4.11419	4.92829	4.58951
FERMT3	6.21237	6.81431	6.47918	6.99156	6.31843	5.16691	5.90764	7.01393	7.8749	4.28394	7.64677	8.29715	6.59223	5.91431	5.99212	6.21546
FES	6.1559	5.24458	6.23022	4.82835	6.20547	5.7104	5.54772	4.67009	6.20242	6.12881	7.07592	6.35769	3.96898	5.76839	6.01459	6.10582
FETUB	4.8689	3.57431	5.12092	4.14041	4.91541	4.68011	2.70047	5.47019	2.61941	4.88336	4.37803	2.38821	3.85528	4.73921	2.84494	4.2082
FEV	4.10344	2.77081	5.17033	3.25646	3.46884	4.82763	3.6755	4.2959	2.76258	5.59977	5.01433	4.4643	6.32149	1.92414	5.67434	4.44222
FEZ1	5.12472	5.43378	5.99946	5.2068	5.06051	5.77944	4.74575	4.62888	5.36331	6.80889	5.81836	6.33638	6.41451	5.37077	4.82325	5.52496
FEZ2	7.68599	7.75334	7.76155	7.95029	7.34905	7.9949	8.11228	7.87611	8.05562	7.57059	7.55025	7.45408	7.59076	7.4801	7.35989	8.01042
FEZF2	3.0573	3.29411	3.43791	3.31831	2.88297	2.34587	4.75008	1.88842	2.45697	3.54848	3.24137	3.6843	2.91573	2.70698	2.40407	2.42499
FFAR1	2.82464	2.43485	3.27115	3.01167	2.98704	3.16446	2.37329	2.79595	2.66455	3.00175	3.08843	2.6746	2.83233	2.29738	1.98828	2.75642
FFAR2	2.94778	2.89801	2.74259	3.86957	3.0533	2.31052	2.0296	3.02948	2.83517	4.87894	5.49848	3.36359	5.38015	3.82972	2.82464	2.71584
FFAR4	4.20928	3.64032	5.83341	4.56912	5.49029	6.52891	5.90764	6.03632	5.37446	5.07547	4.8423	6.09264	3.88172	3.70919	5.32857	6.02198
FGA	4.81708	4.46303	4.39519	4.55848	4.11235	4.19961	4.27051	5.07857	3.64617	4.72363	3.8889	3.92393	5.27341	4.22701	4.04059	4.76854
FGB	5.75088	5.23337	4.73865	4.60821	4.53865	4.10024	4.93822	4.36302	5.27742	4.85299	4.72363	5.49711	4.45523	5.28829	5.37964	5.59734
FGD1	4.33259	6.4987	4.37426	6.97262	5.28718	4.60609	6.82951	4.75563	4.32124	6.2628	6.10057	6.86492	5.94021	6.60805	6.27917	6.6744
FGD2	5.08944	5.08852	6.34101	4.96224	4.8766	6.02266	5.21096	5.56103	5.84166	5.11089	5.49219	6.05028	4.71959	4.44723	4.55308	4.59647
FGD3	6.43593	5.72881	6.82022	6.47933	6.6267	6.77008	6.49455	6.69077	7.49883	6.05574	6.8106	7.28288	6.45758	6.31279	6.24793	6.61529
FGD4	6.2787	5.65616	5.58872	5.61701	6.13572	5.90772	6.33239	6.2291	5.74197	6.089	6.17811	5.76823	5.70383	6.09438	6.13485	5.03965
FGD5	7.19775	7.1324	7.69886	7.76459	6.97145	7.4238	7.41264	7.15117	7.43547	7.7162	6.99169	7.45941	7.52876	7.06144	7.268	7.30631
FGD5-AS	6.06266	6.08113	6.46694	5.88826	7.46593	6.10048	6.4921	6.48861	6.03933	6.30834	6.84483	6.20277	6.44513	6.31886	6.62269	6.6655
FGD6	3.5789	4.77797	4.41114	3.89312	5.56916	4.97988	5.60113	4.56703	4.67557	3.54594	4.53994	4.04587	4.96044	5.45244	4.54295	4.73921
FGF1	4.93738	4.45956	4.56051	4.978	6.88246	5.19731	6.52729	4.52326	4.79981	6.76579	3.78253	6.1481	5.93172	7.472	6.4551	5.12587
FGF10	2.91334	4.78506	3.26549	3.41062	4.14888	5.05836	5.07679	3.25357	3.04535	3.87941	3.95578	3.51602	3.16183	4.42968	3.17223	3.03549
FGF10-A	3.19594	3.91554	3.77106	3.65448	4.52738	4.16542	4.47022	5.46715	3.59405	4.81582	3.91647	5.34983	3.51845	3.66246	1.74155	4.04011
FGF11	4.44904	4.36536	3.29636	3.77845	4.48458	4.03231	4.34511	2.80693	4.12675	4.5181	4.70927	4.07071	4.4644	3.70161	4.63367	4.54368
FGF12	3.03498	3.04393	3.95644	4.28059	3.41557	3.73419	3.74062	3.64617	3.59806	3.40514	3.87174	2.99797	3.60061	3.98967	4.02973	2.91513
FGF13	6.01259	6.32432	6.24434	5.8258	6.09052	7.20415	5.82427	5.86281	6.37156	6.92327	6.45748	5.60212	4.79774	4.90583	5.19273	5.21946

FGF13-A	4.17798	5.15808	5.89038	5.25816	4.81051	5.76769	5.39676	5.34019	3.49474	4.45539	3.80377	6.10863	5.78611	5.20089	3.58891	4.88285
FGF14	5.91964	5.06616	5.11814	5.51915	5.2242	4.574	4.64969	5.10724	4.27968	4.90439	4.93366	5.4365	4.46162	5.1713	4.64753	4.55949
FGF14-A	6.8519	6.23007	6.05129	6.28211	5.61824	6.02014	5.42673	5.8076	5.88064	6.01282	5.55115	5.58532	5.53595	5.90945	5.27718	5.70887
FGF14-IT	5.87483	6.25921	6.37469	5.29187	6.23348	5.59785	6.44639	6.80876	5.6566	6.35206	6.17676	5.28666	6.43314	6.00226	6.65691	6.3343
FGF16	2.72538	2.59102	3.02585	3.1994	3.18522	1.85868	2.5047	2.70064	2.13825	2.80132	3.93173	3.91237	2.94778	2.62575	4.19913	2.94176
FGF17	6.27789	5.95042	6.39748	5.33567	5.72137	5.87276	5.52025	5.83892	5.41128	6.36329	5.3795	5.6367	5.90923	6.29625	5.64227	6.12617
FGF18	5.03761	4.53119	5.39225	4.39851	4.27206	4.7723	4.81317	5.29152	4.8249	4.07722	4.71816	4.91676	4.00997	5.23284	4.57057	4.3447
FGF19	3.02599	3.87677	3.48538	3.72039	3.65448	3.42836	2.90726	3.17146	5.20828	3.18735	3.72069	3.72982	4.36086	4.369	3.662	3.91544
FGF2	3.15051	3.72436	5.44882	4.29473	4.14261	4.29638	6.2422	5.29608	4.8375	5.89189	3.47335	6.11992	5.37458	7.02998	5.92663	6.59237
FGF20	3.29685	5.56364	6.04515	5.12105	3.07162	4.63716	5.04372	6.43414	4.43996	3.65408	4.71618	4.873	5.5537	4.99322	4.92331	6.08039
FGF21	3.19594	3.36509	3.5252	5.22073	4.43422	5.29571	3.20323	3.85505	3.87677	3.15532	4.76241	3.60204	4.33163	5.26311	3.61218	4.02973
FGF22	4.83092	4.58199	5.41821	4.63296	4.92917	5.01256	4.99264	5.07725	4.38995	5.35896	5.22874	4.5349	4.97512	4.49249	4.20135	5.44505
FGF23	3.29685	3.99153	3.69005	3.50564	3.62835	3.92656	4.79774	6.01489	3.92436	3.73393	5.99873	3.93749	4.45382	4.68071	4.6631	4.81177
FGF3	2.77283	2.70876	1.73976	2.45536	2.33881	8.8365	2.39011	2.58708	3.35168	2.57765	2.73426	2.84585	2.62575	2.16332	2.07498	2.71584
FGF4	4.46039	4.46997	4.39974	4.59823	4.52611	4.28379	4.33627	4.58796	4.69958	4.24629	4.86142	4.47514	4.91198	4.70407	4.53938	4.56723
FGF5	3.64617	3.10219	3.59171	3.75252	3.8473	3.26373	2.87454	3.56014	3.23349	3.08465	3.28495	2.68811	3.37183	3.09851	3.84364	3.67803
FGF6	4.90477	4.94996	6.19313	6.24397	4.51121	5.27193	5.2912	6.38093	6.21797	6.64326	4.13909	5.37627	4.84193	5.12503	6.09995	5.5865
FGF7	2.64524	4.37306	2.55972	3.26474	3.94359	1.88256	2.94585	2.06712	2.81892	2.46174	2.77795	2.26153	3.3535	4.35575	2.66311	3.49069
FGF8	2.81334	3.16637	3.40102	2.90159	5.0677	2.74824	3.25433	2.93245	3.2065	3.39891	3.08532	2.31832	2.17097	1.59381	1.85273	2.7492
FGF9	3.89358	2.60835	3.40595	3.50858	1.31033	2.73963	1.59204	3.7958	2.84967	3.1434	2.37224	4.69327	2.07124	1.31502	2.77311	1.68568
FGFBP1	6.86547	7.41505	5.80344	5.8181	6.6688	6.59605	7.84562	7.2775	7.27872	6.46864	8.56834	6.03535	6.74998	6.57677	7.45472	6.67664
FGFBP2	5.31338	5.96305	3.72265	5.20417	2.65839	4.38727	4.6921	6.30523	5.22283	4.93233	3.20659	5.5407	3.99596	1.97057	4.92331	3.90548
FGFBP3	6.10464	6.65595	6.17527	6.33814	5.7441	6.36778	5.37804	6.14982	4.71298	6.59858	5.35772	6.14411	5.92314	5.96754	5.92996	5.14155
FGFR1	6.4034	6.70524	6.07925	7.01865	6.43747	6.94323	7.18753	7.12292	6.59252	6.86932	6.2608	6.9682	7.07497	6.82203	6.71031	6.62616
FGFR1OI	6.81648	6.46304	6.63097	6.02272	7.06297	6.78314	6.86436	6.9609	6.51815	6.14279	5.90179	5.99003	6.26645	6.44014	6.8181	5.64395
FGFR1OI	4.95325	5.51058	5.79284	5.87662	5.88064	4.93282	5.09486	4.91361	4.98419	5.05327	5.71084	5.05825	4.78407	5.49147	5.31821	5.19731
FGFR2	4.86237	5.07775	4.86655	4.97988	5.33742	5.5306	4.83434	4.52512	5.30066	5.60533	4.48593	5.16185	4.92858	5.13157	5.14895	4.54667
FGFR3	9.53392	9.23642	9.11315	8.78798	8.97179	9.38768	9.69292	8.5194	9.56208	7.22727	8.36147	9.32342	9.10446	8.7731	8.96842	9.14549
FGFR4	3.92882	4.07683	4.88575	3.77982	4.12088	4.28431	4.46469	4.48624	4.90267	5.30554	4.52811	3.9712	4.38261	4.12524	4.52611	4.48705
FGFRL1	4.58758	4.71235	3.90987	3.82197	3.50511	4.64822	4.44183	3.37079	4.32782	3.96188	3.3448	3.77935	3.20589	3.52145	4.10106	4.60222
FGG	5.09335	4.94092	4.29709	3.42644	3.16569	4.72201	4.008	5.69472	2.50218	2.97414	3.48511	5.81194	4.43617	4.9403	3.29289	5.02623
FGGY	6.08811	6.118	4.62158	6.04851	5.27065	4.36763	4.72699	5.04513	4.26278	5.67516	5.1064	5.41054	4.37563	5.65551	5.53126	5.46755
FGL1	3.56191	4.26036	3.89015	4.19971	6.71266	3.66504	5.10831	3.10948	4.86753	2.5437	4.07634	4.34225	4.80326	4.08394	4.9796	7.15313
FGL2	7.16866	8.59699	10.3269	9.26222	9.26078	9.88284	7.16189	9.37478	9.65256	8.22834	9.89146	8.37315	8.90453	7.91831	9.51684	8.97179
FGR	6.6466	6.64896	5.55482	5.95153	6.89645	6.89616	5.94594	6.69627	7.65355	5.06904	8.67259	5.6566	7.53627	6.40473	6.17628	6.45727

FH	6.05626	6.95926	6.92054	7.26403	7.61901	5.58056	7.18175	7.75627	7.08147	6.23199	7.21707	6.56272	7.47497	7.16495	7.43511	6.80386
FHAD1	6.18379	6.18701	5.74611	6.00128	5.6126	5.65993	5.49373	5.52496	5.82384	5.48278	5.5832	5.82956	5.75903	5.91749	5.44274	5.42776
FHDC1	7.12147	7.52217	6.69435	7.34276	7.20502	7.11288	7.21132	7.6091	6.44222	6.69975	7.09158	6.93638	5.95444	6.95023	6.72174	8.04267
FHIT	6.5297	5.6943	5.59525	6.02751	5.32934	5.96787	5.75525	6.67673	6.12181	5.28156	5.23391	5.64291	6.31284	4.82245	5.53303	6.11877
FHL1	4.71878	4.75355	5.4942	4.97435	4.99883	4.98443	5.43394	4.26368	4.40173	5.21912	4.48961	4.57543	4.04682	4.91905	4.19473	4.42002
FHL2	9.12823	9.79359	9.48403	9.63286	8.19574	9.23779	7.16157	8.49332	8.68454	10.0495	8.94892	9.09718	8.79808	8.58018	7.60944	7.68698
FHL3	6.13872	6.77527	4.2347	6.35062	6.13014	5.95608	6.38687	6.61839	5.8292	6.69152	6.66184	6.92086	4.75769	6.61115	5.39763	6.59268
FHL5	3.45239	3.95509	3.82972	4.46555	4.45148	3.13607	4.4644	4.56179	3.68688	3.9256	2.97824	4.05144	3.999	4.31354	4.2307	4.25692
FHOD1	6.56058	6.45101	6.30722	6.81306	6.47962	6.18539	6.31242	7.57235	7.05982	6.93134	6.27962	7.4236	7.06945	6.49114	7.28842	5.70974
FHOD3	5.62059	5.76231	6.34947	6.31515	9.18711	8.459	9.02178	6.19649	4.38384	8.10994	1.95222	6.71108	7.98789	9.67232	9.36362	8.73732
FIBCD1	4.58478	4.97683	4.96585	3.9761	4.0795	4.12051	3.4974	4.108	4.9403	4.30918	3.61317	4.45382	5.11744	4.80326	4.81051	3.5512
FIBIN	5.14674	3.49996	6.44845	4.55074	5.80803	6.14165	4.19961	4.28169	4.06587	7.38424	5.96291	5.89502	3.58582	4.80874	6.40989	4.81915
FIBP	8.96233	9.64026	8.54398	8.59959	9.35144	9.35321	8.78234	8.81664	9.07924	8.77063	9.27873	10.6118	9.97015	9.97929	9.52648	9.51292
FICD	5.24098	6.30648	7.19145	6.11008	4.14049	6.11708	6.45222	6.92888	5.97212	5.88112	6.38241	7.41439	6.2531	5.63381	6.03345	6.65726
FIG4	7.96917	7.87691	7.90768	7.46455	7.88327	7.35971	8.03646	8.19358	8.28862	7.90137	7.22163	6.50074	7.66787	7.87691	7.7506	7.76709
FIGLA	5.92582	6.21089	6.28592	6.11348	5.11666	5.11891	5.76629	6.36903	6.15224	5.86096	5.77214	5.80184	5.69979	5.86194	5.6169	6.09972
FIGN	4.21691	4.46324	4.53119	4.24814	4.41747	5.12314	4.05521	5.39128	5.60533	5.87747	4.542	4.94515	4.57572	2.9174	4.17094	6.5596
FIGNL1	6.61572	6.6594	6.73937	5.65907	7.52006	6.95847	7.94201	7.38917	7.3332	6.54445	7.7158	6.27273	7.65178	7.31268	6.99346	7.63411
FILIP1	6.57618	4.91497	5.25291	5.28736	5.59515	4.64455	5.98219	5.21413	5.40501	4.37922	4.76901	5.02328	4.8006	4.79101	5.56822	4.63675
FILIP1L	5.8274	6.52442	6.83587	6.93962	6.55687	6.77043	6.87399	7.46529	6.65003	6.81937	6.78078	6.18336	6.77672	6.9764	7.30458	6.98066
FIP1L1	4.98681	6.39148	5.37901	5.81627	5.79898	5.24569	5.48379	6.2896	5.63564	5.12406	5.59651	5.80863	5.30569	6.20437	4.67307	6.09691
FIRRE	5.13682	3.53745	4.78915	5.94594	3.09072	5.02328	5.38235	5.42199	5.71298	3.31009	4.99175	5.5407	3.40212	5.1836	3.57849	2.7492
FIS1	9.6066	9.46771	8.8844	9.38206	8.40722	9.14993	7.84993	6.95695	8.45141	9.46022	9.30247	9.62843	9.39515	9.52795	8.89519	9.25156
FITM1	5.42686	6.14739	6.59103	5.05978	5.86719	6.64701	6.59933	4.46867	5.49365	6.26461	5.97755	6.4977	5.63126	6.26387	4.00819	3.53602
FITM2	6.04438	6.25012	6.04099	6.59049	5.88871	6.8099	6.23761	6.19217	6.00736	6.67683	6.69111	5.83559	6.42187	6.66349	5.76261	5.98281
FIZ1	4.76643	4.75855	4.99733	4.0497	5.48773	5.16837	4.9186	5.36481	5.21762	4.84118	5.06911	4.68783	5.10888	5.40895	5.17863	4.99372
FJX1	4.92663	6.18041	6.44114	5.2261	7.1664	7.06955	5.99194	5.65668	5.20282	5.28156	6.36841	8.46688	7.62715	8.12631	7.85085	7.61653
FKBP10	2.72538	3.45279	3.15379	2.81334	2.94105	2.74824	2.53476	3.37974	2.58986	3.31009	3.72069	3.08704	2.66449	3.42962	3.9328	3.35278
FKBP11	7.97893	8.88693	9.52795	8.93431	8.17292	8.4172	8.14417	9.31073	9.24332	9.92829	8.59531	9.51355	8.19509	8.58123	8.45696	8.26476
FKBP14	6.97383	6.95795	6.8975	7.17072	7.39456	7.55173	7.41351	7.4416	6.80197	7.86869	7.20528	7.38166	7.26021	7.1503	7.32824	7.60365
FKBP15	5.04268	5.44301	5.37736	5.25678	5.19111	4.93339	5.34835	5.79424	5.42977	5.64905	5.38506	4.47552	5.80143	4.94242	5.51543	5.17427
FKBP1B	8.67368	8.40648	7.3488	7.90469	7.06717	7.09584	6.48592	7.91644	7.35469	8.19764	8.23028	7.71686	6.8535	5.84738	7.54102	7.02103
FKBP2	9.56595	9.78173	9.83596	9.83943	7.87079	9.71584	8.60967	8.23349	8.32702	9.87278	8.67112	9.71214	8.81813	9.60515	8.14952	8.08592
FKBP3	7.52956	6.54937	7.2235	7.48299	7.65419	7.63463	6.71426	7.67409	6.93602	7.35865	7.57865	7.77962	7.89062	7.35068	7.61565	7.26944
FKBP4	4.88534	4.92568	5.01495	5.10291	5.34851	5.31417	5.65765	5.34698	5.50917	5.32082	5.81473	5.34654	5.59746	6.01341	5.45055	5.38784

FKBP5	6.2675	6.64591	6.91101	6.59409	6.67737	7.41663	7.05285	7.25243	7.46717	5.96381	7.68075	6.69482	6.25165	6.53713	6.78681	7.0876
FKBP6	5.75547	4.96661	5.51103	4.85873	5.14439	4.84284	5.97229	6.10464	5.39064	4.61747	5.40071	4.67459	6.08394	5.80706	5.25562	5.95512
FKBP7	4.80292	4.66241	4.80767	5.00284	5.77696	5.46243	4.63799	4.98058	4.19177	6.19313	4.65072	4.95564	6.37311	4.84118	5.46335	5.6096
FKBP8	3.50591	3.0279	3.4642	3.33071	3.391	3.81832	3.57514	2.97179	3.69005	3.88863	3.73511	3.06557	3.31135	2.94176	2.96872	3.60505
FKBP9	8.08867	7.98107	7.98156	7.75453	8.54622	9.18179	8.76701	8.1556	8.45576	8.73771	7.52444	8.62877	8.2033	8.35903	8.51297	7.99187
FKBPL	7.07592	7.64555	7.11733	6.78477	5.20742	7.13919	7.44529	7.22861	7.53474	7.89821	7.6443	7.83154	7.2774	7.20587	7.27669	7.75735
FKRP	4.69482	3.19522	4.22557	3.44604	4.93339	4.73058	3.78526	2.83262	2.48475	3.39239	4.80793	4.43638	3.65214	4.27649	3.90229	3.93432
FKSG29	2.68367	3.30026	3.68203	5.18956	2.71531	2.58692	3.31153	3.3596	3.13363	4.38311	3.06624	6.06084	3.12086	3.14828	4.96683	2.69842
FKSG49	7.11849	6.89144	7.19405	6.53782	6.35004	7.13471	7.5383	7.53191	7.32358	7.23443	6.89899	7.38556	6.71871	6.9671	6.67513	6.73182
FKTN	6.55578	6.67057	7.19719	6.55968	7.41022	7.45951	7.40401	7.40401	6.60078	6.32107	6.88023	6.97033	6.99449	6.99839	7.04707	7.47109
FLAD1	6.85063	7.03457	6.6557	6.87053	7.17804	7.3363	7.66787	7.22925	7.2488	6.68416	7.5985	7.58264	7.85915	7.69081	7.40457	7.99228
FLCN	5.78319	5.36656	5.53282	5.89988	5.12168	5.69831	5.68944	5.72269	5.39225	5.38803	5.2156	5.63629	5.55912	5.62765	5.59425	5.64209
FLG	6.43844	5.53282	6.06571	6.47523	6.08327	6.89708	7.79368	6.46606	6.1544	5.541	6.71238	6.44381	6.09071	6.47803	5.83181	5.53829
FLG-AS1	5.30496	3.58879	3.84644	4.88684	4.72757	4.71325	5.67672	3.28265	3.77659	4.36875	4.29278	4.37922	5.5705	4.91796	2.87745	4.94835
FLG2	2.00108	4.47924	4.13154	3.45327	3.84331	4.2936	6.5522	4.74277	4.2082	1.82992	4.43233	5.24956	5.23884	2.37224	3.08134	2.49784
FLI1	4.8611	4.50668	4.89694	5.29126	5.02605	5.88481	4.25546	5.13011	4.76901	5.03262	5.49937	5.24821	5.31618	4.45408	5.13985	4.8235
FLII	7.75305	8.16319	7.99805	8.20121	7.86869	7.89638	7.13471	7.64001	7.94524	8.38509	7.82698	8.49612	7.68328	8.04288	7.95813	7.55633
FLJ10038	6.27576	5.60091	5.18175	5.73937	5.56253	6.59992	5.37368	5.32165	5.94238	5.44417	5.56523	5.48773	6.621	5.47877	6.26341	6.18631
FLJ11292	5.22468	4.11832	4.91529	4.53792	4.53734	3.97873	4.30918	4.43135	4.82616	5.22148	4.64145	4.64863	4.383	4.88285	4.34957	4.87525
FLJ11710	4.97697	5.24458	5.1255	5.81304	3.49824	3.8966	3.94849	4.00856	4.3624	4.26756	4.91999	3.50641	5.17075	3.70919	3.35152	3.55993
FLJ12120	5.70016	5.31895	5.81769	5.84112	5.46159	6.545	5.79486	6.2997	6.99855	6.01933	4.79814	6.07264	6.16667	5.4378	4.85535	6.36544
FLJ12825	2.65839	5.8404	5.41479	3.68112	5.66533	4.17971	4.6631	5.41625	5.21762	5.38177	5.04544	3.38388	2.83935	5.90303	5.30736	5.65292
FLJ13224	4.11079	5.42705	5.02776	2.50291	5.0626	4.7668	5.30403	2.17246	4.76618	5.28156	5.22179	4.60294	5.00103	4.11853	4.96683	4.71816
FLJ13744	2.16905	2.93032	2.23187	2.12186	1.97947	3.08198	2.20014	2.30474	7.14627	2.61134	2.64984	2.01179	2.00801	3.67678	2.72952	3.03549
FLJ13773	3.17857	4.32699	5.1165	2.40724	2.9933	3.63988	4.14005	4.00856	3.82945	2.80132	3.06624	2.6814	3.46411	2.62575	4.26456	3.71736
FLJ16734	4.55321	4.62359	5.74919	4.59609	5.29588	5.32626	6.02667	5.82161	5.08232	5.1154	5.38684	5.0878	5.4025	6.10997	5.90353	6.34019
FLJ16779	2.94778	1.74177	2.42383	1.26539	2.39414	1.68859	2.23396	2.52957	3.04535	2.19868	2.07483	2.07548	1.4697	2.05268	2.47462	2.82844
FLJ20021	6.90183	6.94016	6.68069	7.39575	5.70072	6.64239	6.85126	7.12413	7.30355	6.65137	7.14123	8.09763	7.24112	6.45819	7.09158	6.92499
FLJ20518	2.65839	3.84364	1.92303	3.73945	1.60199	3.79752	2.98815	3.70769	1.76451	3.11051	1.54854	3.07028	2.83935	3.26302	2.89621	1.98412
FLJ20712	1.64611	3.71031	3.99755	2.81334	3.88843	2.86136	3.79373	2.93245	2.81157	3.97041	3.90646	4.10127	2.96494	3.66246	3.68625	2.65953
FLJ21369	5.13232	5.55964	4.5714	5.28175	5.56689	4.28649	5.60753	5.80143	5.39807	5.1154	5.28638	4.66581	4.8611	4.17756	4.78962	3.83921
FLJ21408	5.37062	5.72971	5.83989	5.11501	5.21626	4.86432	5.042	5.27844	5.2071	4.41614	5.58663	4.89253	5.06897	6.00397	5.64816	5.26342
FLJ22184	2.81334	2.82798	2.48448	2.61385	2.42207	2.95599	2.3531	2.78286	3.02333	3.31009	2.91487	2.81338	2.88174	2.68036	2.69546	2.36473
FLJ22763	4.11079	4.7984	4.026	3.52553	3.2065	2.72526	2.61298	5.09372	3.87677	3.44491	3.72995	2.61134	3.02655	3.01384	2.69546	4.2654
FLJ25758	3.76841	6.13852	3.04356	2.93958	3.6922	3.42836	2.73211	3.08616	3.25201	2.83032	2.21379	3.25228	5.10281	4.28324	2.59102	4.389

FLJ25917	3.19594	3.55786	3.40102	3.61465	3.24511	3.35168	3.49217	3.92749	4.97	3.31009	3.3159	3.36359	3.85528	3.58891	3.12323	2.96003
FLJ26850	7.57474	6.48301	4.86007	7.30374	5.92215	5.35512	4.95627	4.99236	5.51676	5.67091	2.93839	4.77455	4.22425	5.51437	5.15459	2.31622
FLJ27354	1.19711	1.8084	2.23187	1.93131	0.90941	3.36385	1.63196	1.3689	2.13825	2.19868	1.32308	2.86273	3.12086	1.27177	0.80062	1.51008
FLJ30064	5.08159	4.61283	4.04694	5.13767	4.4943	4.68011	5.1853	4.73705	5.42436	3.63896	4.12088	5.29643	4.19674	3.92481	4.026	4.09222
FLJ30403	4.71106	4.69357	3.7147	5.32271	5.15416	5.36175	5.65558	5.52895	5.66879	5.06097	4.87602	5.1725	4.82475	5.09791	5.21162	5.27518
FLJ30679	6.03131	6.10003	5.1832	6.02475	5.90945	5.26406	5.32281	6.64457	5.77903	6.39118	4.92331	6.19642	6.33034	5.54064	5.76368	6.42997
FLJ31104	5.24098	5.37759	5.87421	5.41719	4.87061	3.87636	5.09328	4.95679	5.25797	7.06255	5.60733	5.68015	6.16902	3.95895	5.44236	3.98976
FLJ31306	6.54188	5.78564	7.52301	6.78294	7.0472	7.01792	6.16356	6.42338	5.52073	6.70439	6.39428	6.16738	5.82793	5.83166	6.28284	6.55405
FLJ31356	4.53702	6.08497	5.79697	6.41332	5.85581	3.44117	5.50534	6.1892	5.31338	5.66263	2.64984	5.91457	6.66007	6.63752	5.3608	3.76737
FLJ31713	6.71017	6.38771	6.29102	6.35585	5.94627	6.4479	6.42879	6.091	5.76238	5.69464	5.45803	6.65525	6.76807	5.2602	5.59237	6.08039
FLJ31715	3.44273	1.94258	3.36406	3.78412	2.53024	3.90614	3.03237	3.50531	2.43603	4.06894	2.8192	1.54854	3.17825	4.44205	3.61778	2.31622
FLJ31945	1.44194	2.8813	2.91679	2.4789	2.1445	2.99117	2.3531	1.91261	2.18568	2.77263	2.90046	2.83233	2.83935	2.48051	3.13607	1.58847
FLJ32154	1.79935	2.07729	1.97795	1.444	2.61273	1.53719	2.15094	1.86949	1.53958	1.49394	2.04035	2.53152	1.22969	1.97057	1.81049	2.26153
FLJ32255	3.23061	5.68993	5.48005	5.52089	6.38327	3.87914	3.34048	6.16097	7.05741	2.83993	5.80121	6.35351	3.41518	3.45764	5.87249	4.19514
FLJ32790	3.39513	3.13884	3.59844	3.15929	4.72375	3.68688	4.11808	3.76379	3.69577	4.14078	3.57447	3.21231	3.34323	3.31071	5.08159	3.10689
FLJ32955	6.7635	6.02858	5.21903	5.88216	5.62183	3.92656	5.63956	4.70767	4.98761	5.99457	4.68317	5.72192	6.63787	4.65943	5.97908	4.00732
FLJ33360	5.56883	6.66134	6.64937	6.13206	5.13544	6.26222	6.57501	6.20535	6.54628	6.11583	5.60533	6.51968	6.84674	6.52354	6.68087	6.55434
FLJ33534	4.69157	3.07762	2.81121	3.86957	2.89774	3.77609	3.89026	3.93793	3.81646	2.93344	3.19795	3.92989	3.90551	4.65312	3.7606	4.55047
FLJ33544	6.89636	6.74984	6.02659	6.74939	6.86778	6.40779	6.68235	6.88386	7.5429	6.75307	6.12053	6.66367	6.59083	6.85935	6.55623	6.65173
FLJ34503	0.9979	1.01454	0.64602	0.78709	0.34005	1.00765	0.35046	0.88665	0.56521	0.5704	1.54854	1.4899	0.76448	0.55613	0.61335	1.15718
FLJ34521	4.35066	5.79711	5.95187	5.24647	5.54452	6.31284	4.03876	3.31083	3.8429	6.34698	5.33963	4.92917	2.00801	6.00821	3.01721	5.73121
FLJ35700	3.93705	6.05319	4.79439	5.29187	4.70279	4.23809	4.6921	5.47965	5.80782	5.02266	5.78878	4.52724	5.38659	5.06524	5.56599	3.20278
FLJ35816	2.44059	5.33296	5.28291	4.47048	3.0533	4.27251	4.008	4.79259	4.95856	2.66614	4.77807	3.55262	2.83935	4.32699	2.41671	2.88582
FLJ35934	5.09531	4.66192	5.42868	5.22442	3.97084	5.91869	4.93246	4.88265	4.65498	4.38594	3.9262	4.65281	4.83778	5.07648	5.38659	4.88176
FLJ36840	2.91334	2.51658	2.70549	2.75974	2.33881	2.36638	2.81469	2.83945	3.17124	3.00855	3.111	2.61134	3.12086	2.97219	2.65173	2.94176
FLJ36848	3.42813	3.07762	3.44341	3.21843	3.46884	4.31657	3.14316	3.43351	3.09248	3.26858	3.64053	3.80634	3.28382	3.01384	3.4886	3.35278
FLJ37035	2.61993	3.13202	1.28992	1.98828	2.04785	2.23029	2.30076	3.09851	2.16332	1.89466	1.93478	2.9662	3.27163	2.49814	2.79078	2.06028
FLJ37201	4.89016	4.05789	2.55526	4.94472	2.63482	4.60034	2.73211	2.30474	3.5404	2.88148	3.41787	4.4103	3.23246	2.44811	2.65173	3.6935
FLJ37453	5.48754	5.84468	4.98744	4.24374	5.15554	4.90183	4.92491	4.96002	4.87431	5.38724	4.99004	4.96879	4.56572	5.01373	4.60347	5.30419
FLJ37786	4.78107	5.16539	4.69482	4.48486	3.14557	4.30395	3.8062	5.04171	3.27349	5.44206	4.62208	4.34225	4.34627	4.33558	4.27526	4.46917
FLJ38379	4.15981	4.36498	3.99184	5.66879	5.53739	4.57172	3.36719	4.21691	3.88198	5.01151	3.22488	3.14882	2.76414	2.66714	3.65681	2.13797
FLJ38576	5.26934	5.01945	5.20628	6.0029	5.58134	5.35829	5.72875	5.20188	5.43281	5.87501	5.08811	5.37322	6.01577	5.94499	5.78145	5.52251
FLJ38668	6.02417	4.79439	6.00638	5.60298	5.46159	5.23078	5.53505	5.92857	5.61701	5.89969	6.17506	5.61268	6.79252	6.06571	5.63729	6.0757
FLJ38717	5.85731	5.50582	5.67778	5.73085	3.7469	6.20554	5.68425	4.76643	5.50431	6.32249	3.90468	5.5278	3.74274	4.41586	4.46039	5.31511
FLJ38773	4.58951	3.35252	3.87671	3.33739	4.29721	3.63988	4.95143	3.21508	4.49404	4.76479	2.72092	4.84861	2.68899	1.78331	3.23099	5.92122

FLJ39080	6.40707	6.84536	6.75341	6.74227	6.25948	6.13923	6.36841	7.36993	6.31085	7.05684	6.9262	6.99304	6.97927	6.78527	6.10779	6.36113
FLJ40288	4.48458	4.60566	3.91425	4.82307	3.92882	4.27841	4.40483	4.05472	4.36436	3.87174	3.56378	4.75355	4.36649	4.39974	4.4005	5.1106
FLJ41170	2.70064	2.26456	3.22117	3.08274	2.73769	2.11228	3.2194	5.48699	3.6792	2.47565	2.21379	3.53998	2.59488	2.88516	3.01721	2.94176
FLJ41455	4.62405	2.23621	2.3147	4.6281	6.95202	5.3672	5.39676	5.25678	5.99187	5.37867	4.66023	5.14665	5.27879	1.36152	5.21484	7.26698
FLJ42627	5.98199	5.02484	5.37964	5.35761	5.09999	5.94931	5.28981	5.02563	5.95105	5.6613	5.23521	5.14845	4.92554	5.71246	5.18807	5.61304
FLJ44087	4.69157	4.2136	4.11056	4.14041	5.08771	4.17971	4.02856	4.75563	3.98331	5.93577	5.16519	4.22176	4.83558	4.56553	4.71122	4.25148
FLJ45482	7.04119	6.73545	7.22908	6.95994	6.67527	6.6437	7.56356	6.9078	7.16938	6.79087	6.60546	6.97727	6.77644	7.4238	7.31217	6.4328
FLJ45513	5.92269	6.20923	6.3681	3.08274	5.9848	5.086	5.50534	6.00675	5.95207	5.65267	4.51495	6.60911	5.88871	5.06976	4.44812	4.27608
FLJ45825	3.62466	5.28273	4.84558	5.28498	5.17658	5.28652	3.86818	3.19037	3.90229	5.34336	4.42745	5.89399	2.59488	4.50167	4.03892	3.70541
FLJ46026	6.18988	6.50434	5.73303	5.32765	5.26406	6.09904	5.33752	6.49559	4.97	6.77043	6.00788	5.21937	5.58559	5.55115	6.1584	6.1716
FLJ46875	8.13008	7.97957	8.05368	7.78463	7.61481	7.18562	7.48326	8.00842	7.75876	7.98479	7.30308	8.49162	7.42256	7.64378	7.51396	7.73284
FLJ90680	5.40753	3.95879	3.91647	3.87736	5.80173	5.1893	4.27634	3.39861	5.45694	4.63911	5.55298	6.02886	6.71324	4.25308	4.30494	5.12804
FLNA	6.36854	7.04784	7.34643	6.61097	7.43628	7.36788	6.95968	6.92712	7.80293	8.24933	7.61148	7.6183	7.1198	7.77079	6.78049	6.72122
FLNB	8.06265	6.46475	6.49724	7.02213	7.47334	5.69246	7.69052	7.13557	5.5775	6.65858	6.6125	5.55094	5.55753	6.43304	6.233	7.85368
FLNC	6.85564	6.8328	7.29745	5.61264	6.34334	6.38617	4.16867	3.94809	4.3125	7.61925	6.818	5.81694	4.13938	6.04817	6.54247	5.82495
FLOT1	5.79852	5.89602	6.24681	6.13872	5.67833	6.25817	6.41484	6.96272	6.14022	6.93883	6.58737	6.85158	6.65411	6.85234	5.99062	5.68623
FLOT2	6.01426	7.39533	6.44728	6.01991	5.86663	6.77825	5.59343	6.32595	6.06992	6.16685	7.01614	7.77441	7.33722	6.56458	6.40695	6.59605
FLRT1	4.52618	3.50584	2.94797	4.49557	3.78235	4.95513	5.44093	5.6453	3.80565	5.19743	5.14516	5.28666	4.20792	3.8872	5.16778	4.97647
FLRT3	8.16578	6.71757	7.23443	7.3443	6.57151	6.49916	6.47803	6.8181	7.20976	7.00374	6.20531	6.54472	6.49817	6.72516	6.54125	6.37855
FLT1	5.24301	5.17622	6.61185	6.06289	5.97729	6.16296	6.13042	6.1481	5.85947	5.86526	6.12252	5.80143	5.92461	5.82034	6.14545	5.47271
FLT3	4.26669	5.43602	4.87909	6.98119	5.52419	4.00784	3.98737	5.62759	5.45694	4.88336	5.72288	4.64969	6.76807	5.97064	5.48965	5.117
FLT3LG	3.05227	4.70968	3.98737	4.74336	4.2307	4.05867	3.82085	4.45735	5.23432	4.04407	4.57597	4.81676	3.82587	4.70214	3.19522	4.68245
FLT4	5.42167	4.51056	5.12829	5.45949	4.88015	5.59149	5.6657	5.39469	5.67655	4.42419	5.58617	5.14009	5.10609	5.77268	5.17323	4.66895
FLVCR1	7.77611	7.79314	7.95413	7.68633	8.94713	8.45287	8.03524	7.85197	8.40426	7.87786	8.43726	8.45101	8.33334	7.79926	8.80376	8.75124
FLVCR1-	7.02807	6.79839	5.33349	3.24321	5.46159	6.13305	3.2194	4.41679	5.63875	5.52355	6.71904	5.91306	6.4138	5.67943	6.5943	5.5362
FLVCR2	5.93344	7.2857	6.94188	6.41801	6.84334	6.16356	6.86253	7.15739	7.32647	6.15738	7.62073	6.23037	7.35785	6.77706	7.16597	7.29787
FLYWCH	5.93413	5.93434	5.39993	5.18807	5.49125	5.79852	5.24317	4.20362	6.05999	5.44608	5.41283	5.80324	5.68944	5.74832	5.64066	4.47102
FLYWCH	7.10829	7.45122	5.87779	7.60624	7.01007	6.06884	7.23812	7.2218	7.20779	7.85146	7.13623	7.66492	7.7995	6.93854	7.62934	7.50545
FMN1	5.28765	5.45055	6.29386	5.81948	5.83635	6.1383	5.73335	5.07257	6.19167	5.50884	5.75395	5.95058	5.89788	6.25707	5.50389	5.93055
FMN2	4.08953	3.92882	3.33967	3.13052	3.27087	2.9047	3.34015	4.07722	3.46884	2.6494	4.11592	4.02891	3.76747	3.38837	3.45794	3.45794
FMNL1	5.0464	5.78642	5.78799	6.32792	5.70986	6.19919	5.75373	6.16481	5.7512	6.06615	5.84601	6.21045	6.38732	5.73188	5.5537	5.27633
FMNL2	4.57882	5.4497	4.71438	3.83136	4.36262	4.45735	4.59755	4.8564	4.41344	4.33979	5.87321	4.14195	5.1853	5.1428	5.58003	5.19619
FMNL3	5.01642	5.44452	5.68176	4.78683	6.4158	6.19736	5.81123	6.3797	5.73359	4.9443	5.11608	5.98416	5.29895	4.86994	6.40673	5.17093
FMO1	6.64116	7.21035	7.74644	6.30186	6.7013	7.30458	6.45517	8.75014	7.11703	8.36455	6.0104	9.04067	8.6144	6.34106	7.54563	8.07334
FMO2	8.60404	7.66076	7.44601	7.79386	6.22032	7.47174	6.67496	7.58828	7.76101	7.89722	6.67771	7.95413	7.07585	6.85903	6.8268	7.03265

FMO3	8.38448	6.8657	7.56947	6.87868	6.29363	6.91856	3.4644	3.84704	5.29437	2.82083	6.79971	7.17852	3.46884	3.98497	6.07244	5.03633
FMO4	7.29889	6.44498	7.03443	7.26312	6.95399	7.03971	7.78519	6.57849	8.30954	6.37861	6.7419	7.91926	7.70895	7.76459	7.39338	6.6286
FMO5	5.87618	4.95627	5.62801	4.83606	4.96072	4.80626	4.95496	4.92653	4.85535	5.14845	4.29733	4.98009	4.70583	3.82629	4.22676	4.57516
FMO6P	6.87285	6.62906	6.37807	6.40719	6.31611	6.60536	5.58532	6.18068	6.26758	6.46324	5.88301	6.22855	6.03661	6.27509	5.58948	6.52383
FMO9P	0.90643	1.01454	0.9957	0.90097	1.26539	0.89896	3.2194	0.82494	1.00765	1.0625	2.34474	0.96901	1.01457	0.96901	0.80062	1.15718
FMOD	7.5193	7.8236	9.18052	8.00862	8.5739	9.16131	8.25013	9.38326	7.8321	9.15028	7.55124	8.55015	7.0261	8.72628	9.43324	8.20362
FMR1	8.27937	7.85105	8.59699	8.36706	9.20282	8.36324	9.24332	8.34385	8.44434	7.55633	8.71458	7.7665	8.48815	8.07334	8.81753	8.21161
FMR1NB	1.64611	1.16965	0.27064	4.07722	0.34005	1.4697	1.43866	1.91261	1.63986	0.85718	1.67696	0.96901	2.13674	0.22408	0.80062	1.27255
FN1	6.05337	4.31127	7.10661	5.47057	7.94829	7.2316	6.69377	7.7162	6.75392	7.12611	8.14326	6.82737	7.42526	6.97213	7.77654	7.17804
FN3K	3.73406	3.41586	3.89706	3.24321	3.45301	3.45096	3.0573	3.50531	2.86093	2.83032	5.4109	4.90513	3.14193	3.0362	4.76672	3.98264
FN3KRP	8.75484	9.12237	8.99781	8.60829	8.71563	9.22889	8.77929	8.89519	9.19498	9.32273	9.0587	8.87234	8.49589	9.09246	8.9792	8.25579
FNBP1	6.4813	6.66994	7.18281	6.75319	6.97262	7.14001	7.23209	7.12084	7.09252	6.60794	6.65193	6.63421	6.54	6.55586	7.02035	7.0964
FNBP1L	8.93342	7.79974	8.27879	8.0157	9.65751	8.64231	9.28504	8.21557	6.74939	9.5671	6.9139	8.26067	9.53392	9.03581	8.58931	8.35965
FNBP4	6.44775	5.58825	7.04499	6.50219	5.8846	6.5503	6.66349	6.129	6.57468	5.62801	5.40703	6.45815	5.85761	6.4043	6.52082	6.26645
FNDC1	5.94573	5.9748	8.30348	6.24397	7.14464	7.24828	7.3225	7.76924	6.33203	5.58847	6.46817	7.85585	6.49605	7.12832	6.97262	7.36993
FNDC3A	5.15758	5.42917	4.95791	5.10724	4.96585	4.98927	5.37013	5.31789	5.36209	5.32709	5.0199	4.64669	5.18054	5.25141	5.22231	5.78319
FNDC3B	6.03361	5.04627	5.36067	6.24835	5.22268	4.9311	6.01459	4.8294	4.69793	6.24852	4.06326	5.23021	5.81182	5.8501	5.50672	4.2654
FNDC4	4.37472	5.04627	2.81121	5.17437	5.12472	3.95264	4.69773	3.70769	4.07916	4.56572	3.36559	4.44519	4.65266	4.14195	5.53943	5.05688
FNDC5	3.76344	4.06358	4.02201	3.87574	3.67421	3.68057	3.67873	3.62729	3.91906	4.20957	4.02325	3.78526	4.22158	4.11388	3.74859	3.9473
FNDC7	3.88851	2.72769	3.47669	2.88071	3.76997	2.69944	3.58877	4.10002	3.25201	5.80536	3.73917	3.9549	3.82075	3.05474	2.98901	4.21547
FNDC8	3.9591	4.20465	3.73527	3.27048	3.18522	5.83559	4.09381	5.6453	4.72178	3.36001	3.23213	2.8813	2.96494	3.34999	5.06097	5.07126
FNDC9	5.82837	5.88757	6.21965	5.15376	5.66533	5.60919	5.92079	5.78534	5.94126	6.31502	5.63617	6.02886	4.72178	5.28671	4.06086	5.88618
FNIP1	5.20129	5.56538	5.67573	5.84328	4.57057	5.77833	5.56929	4.94042	4.85515	4.37665	5.59711	5.11766	4.61592	4.87118	4.81157	4.42688
FNIP2	7.10725	6.78728	7.80919	7.45122	6.8763	6.76041	6.68871	7.39312	6.92227	7.57827	7.90795	6.751	7.05554	7.16464	6.9069	7.05384
FNTA	6.14973	7.08341	6.69095	6.95257	7.23363	6.72015	7.03405	6.75611	6.815	7.00117	6.8419	7.06915	7.15001	7.12749	7.02351	7.11556
FOCAD	6.44343	5.76996	5.04544	4.8875	6.02894	5.30419	5.25377	6.04829	5.19028	5.42087	5.61919	5.2853	5.77746	4.98956	5.4703	5.83248
FOLH1	4.38384	4.64949	4.9024	5.66075	4.12453	4.58019	5.03767	4.79956	4.46077	4.52838	4.51064	3.21231	4.65932	2.79431	5.7354	4.93639
FOLH1B	5.36009	5.10822	4.79144	4.10198	1.11444	4.38727	4.74782	2.04007	3.85447	6.90821	2.99709	2.56799	4.87351	1.21564	2.54889	3.80861
FOLR1	7.87977	6.18041	6.94544	8.03137	2.65839	2.88086	3.16512	3.10948	3.88943	11.4345	2.77081	3.38388	2.8623	4.01187	3.6535	2.59102
FOLR2	5.98151	5.82316	6.20756	6.07413	5.44628	6.9197	6.23263	5.73705	4.82516	6.52299	6.51834	6.73182	5.2546	5.00457	6.08337	5.71831
FOLR3	4.91054	5.05415	5.60777	5.68446	4.7864	5.82474	5.68623	5.90934	4.93727	5.74642	6.03615	5.2571	5.54936	5.30815	5.33369	5.82495
FOPNL	7.31017	7.73468	7.56344	7.37944	7.8738	7.48739	6.4906	7.36398	7.59296	7.68776	7.66135	7.59679	7.96606	6.87563	7.54421	7.51588
FOS	7.42868	2.49227	2.46272	3.46996	2.63482	2.36638	2.5047	2.30474	8.52934	7.14716	3.03593	3.25228	2.7752	2.91144	2.84494	2.57571
FOSB	4.0831	2.81246	2.52296	2.69863	3.22566	2.74824	2.78886	2.46648	9.29585	4.60892	6.83511	3.01775	3.0877	3.33112	2.49591	2.84751
FOSL1	6.27461	6.09492	6.14859	6.6362	6.404	5.38506	6.64772	6.63155	6.49724	6.26989	6.75482	7.16136	6.24655	6.58294	6.14843	6.15584

FOSL2	5.96394	5.46729	5.6488	5.09878	6.13169	5.67978	7.07769	6.05337	6.16168	5.19399	6.49559	5.57119	6.21158	6.39014	6.36158	6.03567
FOXA1	6.70089	6.18897	6.15065	6.35153	6.18631	5.52616	6.28161	5.56504	5.21946	6.51269	4.05064	6.12575	6.61097	6.69244	4.74151	6.58666
FOXA2	3.45216	4.39141	3.98812	4.36849	3.47644	4.5207	4.16516	4.16643	3.96768	4.64669	4.71667	3.74742	3.60684	3.47243	3.48161	3.65785
FOXA3	8.38319	6.41627	6.60455	6.95599	3.68084	3.0658	4.08418	4.71588	5.80518	7.14716	4.76672	3.3015	2.7137	3.0362	3.15051	2.7492
FOXB1	1.50761	3.35252	3.30294	4.09184	1.3442	1.995	1.03884	2.81438	1.53958	2.88148	1.20713	3.3733	1.63986	2.44811	1.08679	2.63794
FOXC1	9.14959	7.07656	8.91549	8.99071	6.00778	6.98458	7.79072	5.99847	7.95868	8.56834	6.3496	7.58402	7.32914	7.20199	7.5749	6.43147
FOXC2	5.4513	4.39818	5.10329	4.42658	5.22858	4.15582	4.67368	3.90701	3.46973	5.01511	4.08441	4.59206	4.68051	4.85844	5.69299	4.12115
FOXD1	5.86108	5.54464	6.38407	5.24647	6.12195	5.33448	5.83474	2.98628	6.87275	5.95178	5.0069	6.25913	6.80553	5.5943	6.10779	3.73803
FOXD2	6.41673	5.6126	6.3681	5.44738	5.67026	6.01899	6.12808	4.76359	5.79752	5.20259	5.98336	5.89092	6.01067	5.82543	5.6902	5.33438
FOXD2-A	4.31963	1.86836	3.18863	2.44254	3.27048	3.64889	4.04204	3.37183	2.72106	2.89231	3.61691	2.92533	2.63524	2.6399	2.70316	3.44049
FOXD3	1.82475	3.66246	2.1939	2.78698	2.74971	1.84438	2.92162	1.97567	2.30076	1.5627	2.47003	1.65655	1.87757	2.29306	1.90355	2.58676
FOXD3-A	3.98673	3.90521	3.91647	2.79365	6.33628	5.80912	5.54023	3.92749	3.48123	4.06894	3.69464	6.71017	5.96738	4.14195	4.31059	5.2845
FOXE1	4.13266	4.85676	3.46403	3.86625	4.87985	4.98989	4.57635	4.53029	4.65418	2.33881	3.78328	4.3125	3.66815	4.52964	4.45067	3.9378
FOXE3	4.6779	2.70876	3.12132	3.25646	4.72375	4.92674	4.8582	3.19037	3.22752	5.26485	5.25119	4.33523	4.60192	5.75672	4.92331	2.79166
FOXF1	6.75392	6.65595	7.06749	6.69863	7.34167	7.24674	3.97251	5.46099	6.47506	6.64577	5.69186	7.0208	6.44624	7.0755	5.88021	6.8423
FOXF2	7.68174	8.10055	8.34814	8.16431	7.40457	7.62863	7.4889	7.32663	7.67668	7.629	6.89144	8.2633	7.46862	10.1365	8.48395	7.50047
FOXG1	5.17583	5.24136	5.05722	5.10609	5.32654	4.45424	5.61435	5.00773	5.29702	5.54853	3.46884	4.70708	3.95546	3.32134	5.12636	3.22291
FOXH1	5.94368	5.93474	6.05758	6.16713	6.17043	6.03318	6.69482	5.979	6.14705	5.92983	5.90267	5.58837	6.02794	6.1524	5.47252	5.84879
FOXI1	5.00904	5.20662	2.61382	3.73945	3.18522	4.69801	2.9333	2.95859	4.52011	3.98113	3.62297	3.405	5.32616	4.63315	4.88139	3.9365
FOXJ1	7.71853	7.11803	6.47688	6.92817	3.18522	3.08198	2.98815	3.52249	4.29487	3.8429	4.00564	4.47148	2.94778	6.12371	5.42382	3.90548
FOXJ2	6.7551	6.58459	7.14295	7.02299	7.12034	6.87829	6.70956	7.10453	7.2112	6.77322	6.64035	7.06066	6.55858	7.22985	7.11782	5.79778
FOXJ3	5.59184	5.71535	7.70144	7.23093	6.62658	7.9021	8.38345	7.54137	7.20816	6.74255	7.47423	6.71502	6.5681	7.05471	6.92873	6.43057
FOXK1	4.08647	4.74959	4.53909	5.12034	4.42491	5.1579	4.80236	4.39747	4.74631	4.51562	4.38335	4.04059	5.0222	4.83092	4.63277	5.13097
FOXK2	6.03469	5.40291	5.39491	5.4555	6.30147	5.52702	6.69613	6.03981	6.01633	5.81608	6.16862	6.16152	6.29282	6.06179	6.26698	6.08351
FOXL1	5.65565	5.45776	5.41616	5.27976	5.14762	5.17761	4.62832	5.33811	5.59929	5.24336	5.27941	4.94719	5.95242	5.61798	5.37027	5.58578
FOXL2	2.34348	3.44137	3.08807	5.43104	4.47624	4.86372	5.48981	1.83717	4.63412	3.20323	3.80377	5.27316	4.39532	5.99501	2.67357	3.17553
FOXM1	6.13872	7.75674	5.92206	4.54239	8.96335	7.09292	8.03646	8.0157	8.28309	3.63896	8.29715	7.30674	7.82061	8.15443	8.8213	8.25123
FOXN1	3.70463	5.01049	2.75095	2.84393	5.17427	4.32015	5.85707	5.09451	5.2002	3.99805	2.84291	4.22923	5.20317	6.09592	5.0014	5.21531
FOXN2	6.75934	6.89454	7.46153	6.98373	6.58914	7.82061	8.05225	7.74011	7.71017	7.29957	7.93896	5.992	7.56707	6.76694	6.62473	7.69211
FOXN3	6.8955	6.39428	6.90439	6.25491	5.73937	5.6657	5.79284	5.60986	6.3741	6.73573	6.02828	6.10023	5.89104	5.43961	6.03871	5.65565
FOXN3-A	7.22925	7.39669	6.92174	6.65193	6.38382	6.62436	6.68292	6.80543	6.95773	7.46593	7.02558	6.71442	7.00465	6.9154	6.4906	7.26516
FOXN3-A	4.13997	3.45279	4.31281	2.73925	3.9057	3.46064	4.18377	2.83945	3.17124	3.11051	3.35206	3.47261	3.77256	3.19708	3.47504	3.6836
FOXN4	4.39311	4.29414	4.42735	3.66032	4.09091	4.79981	4.53653	4.1925	4.73627	4.51021	4.80555	5.12168	5.20269	4.24885	4.86595	3.91828
FOXO1	5.69164	6.5302	6.08299	7.03744	6.9116	7.15926	6.58949	6.51291	7.18152	6.21218	5.8509	6.72663	5.96539	6.67771	6.76162	5.662
FOXO3	8.0026	7.29733	8.36324	7.55559	7.83226	7.87951	8.22834	7.66991	8.60184	8.66724	6.87697	7.21066	7.39559	7.62912	7.93251	7.3728

FOXO4	5.62059	5.17869	5.74682	5.76238	5.86129	5.60384	6.10352	5.92857	5.93654	6.43984	5.19254	5.70078	4.09292	5.88688	5.11379	3.86818
FOXO6	6.77897	5.25716	6.49197	6.96357	6.49246	8.05955	8.27775	5.68373	7.6182	6.38529	5.16821	7.92616	7.29424	7.97809	7.68718	6.08408
FOXP1	6.95872	6.48665	7.05471	7.38424	6.59103	6.8956	6.93297	6.62173	6.13852	7.20587	6.21309	6.25282	5.94701	6.39865	6.42277	6.42252
FOXP1-I	7.93633	7.52405	7.76557	7.20323	7.03182	7.63628	7.72596	7.67251	7.28789	8.17759	6.89021	6.59663	7.03578	7.51158	7.2774	8.00791
FOXP2	5.09584	4.93219	4.96357	5.0187	4.64929	4.52313	5.51152	4.37824	4.43596	4.96785	4.75563	4.80261	4.85855	4.82081	4.55731	5.52122
FOXP3	4.94752	4.51613	5.19674	4.19358	4.50668	4.26185	4.73627	5.00103	5.01962	5.56963	4.15353	4.47585	5.16289	5.06115	4.6439	4.94752
FOXP4	4.26088	3.89634	4.66808	4.84933	6.04417	6.76871	6.11602	5.33652	5.80414	6.26865	4.98927	6.09555	4.50609	6.49574	6.12863	3.99254
FOXQ1	8.73603	8.51784	8.07801	8.40046	11.0417	8.9792	10.5181	10.2667	10.9309	8.9973	7.65751	8.48187	9.02455	10.72	10.2195	8.90341
FOXR1	1.44194	2.82798	1.52785	1.33008	3.44117	1.53719	1.122	1.54991	3.69577	1.92074	1.20713	2.2269	1.93701	1.97057	1.97136	3.5127
FOXR2	5.63013	6.43844	6.54757	7.28011	6.63133	5.44553	6.9158	7.28452	6.83822	6.52602	6.4034	6.60566	7.36526	6.73545	6.25491	6.8423
FOXRED	7.52113	7.02275	7.14001	6.86689	7.04994	7.24674	7.17193	7.86229	7.26516	6.74858	6.96402	7.49996	7.1234	7.43992	7.00172	7.11663
FOXRED	4.61987	5.06736	5.72333	4.77306	4.42829	5.60281	5.67691	5.28291	5.13872	4.86655	4.80362	4.80743	4.8235	4.98499	5.33002	5.17622
FOXS1	4.44608	5.05415	4.82281	1.50761	3.64173	1.00765	5.51451	4.69169	4.39872	5.47514	3.53424	4.39854	2.7752	5.27526	2.07498	4.15607
FPGS	6.69747	7.16051	6.07564	6.1566	6.36951	6.93141	5.42833	7.29718	7.02068	6.11583	7.60382	7.32307	7.07804	6.9197	6.8247	6.97977
FPGT	6.62448	7.04514	7.04312	6.81113	7.51694	6.88208	6.47253	6.90974	6.46269	7.09987	7.02115	6.37487	6.43871	6.73545	7.10312	6.42182
FPR1	2.95627	3.96139	3.83136	3.05176	4.46828	4.70881	4.20975	3.35104	4.59043	3.14677	6.56625	3.87574	4.166	4.30379	5.03273	4.66353
FPR2	3.18584	3.94666	5.02605	4.95084	4.16067	4.1352	4.33587	4.01542	3.61563	4.23345	5.85731	4.14154	5.80439	4.47874	5.24722	5.45881
FPR3	5.45838	4.45813	6.36854	5.39128	6.45064	5.91076	5.67026	6.60829	6.62425	4.90793	5.97782	6.29473	7.36564	6.17896	6.40514	6.89645
FRA10A(	6.0218	5.78092	6.6589	5.80143	6.29102	6.45608	5.7512	5.7104	5.34983	5.48664	6.00079	6.33549	6.12053	5.23337	6.00176	6.62279
FRAS1	5.64462	5.3422	4.75746	5.17978	5.02973	5.03387	4.94242	5.70107	5.90723	4.89829	5.00573	5.64126	5.83248	5.0289	4.76796	5.45744
FRAT1	7.93087	7.86511	7.33205	7.7023	7.25834	8.11404	6.89597	7.24904	7.7899	8.16872	7.23672	8.39965	7.05207	7.54885	7.43404	7.07893
FRAT2	7.79766	8.07286	7.44743	7.90044	7.70306	7.42275	7.87727	7.53274	7.38684	6.70731	7.19414	8.16934	7.68776	8.43133	8.61308	8.56006
FREM1	4.2746	4.44582	4.82016	4.86906	5.41227	4.4703	4.50274	4.36934	4.96712	5.21505	4.28659	3.31792	4.11056	4.6913	3.63794	4.06086
FREM2	6.07473	5.88349	4.84165	4.07003	4.16584	5.83323	1.85693	2.75656	2.76258	5.23031	3.26817	3.58062	4.42745	1.78331	2.93032	1.70353
FREM3	4.77121	3.47417	2.17949	2.52969	3.07162	4.70491	4.97071	3.31083	1.59296	2.98998	2.83774	4.02412	4.88674	4.75121	2.34348	4.82236
FRG1B	5.70611	5.68746	5.88196	5.39366	6.2605	5.14034	5.16648	5.71141	5.70755	5.99641	5.80066	5.55081	5.70084	4.53909	5.34934	4.8578
FRK	6.12594	6.09071	5.11002	5.96883	8.12675	6.16548	7.73058	7.10605	6.65352	5.80882	5.48131	5.22546	6.40964	7.06035	7.7022	7.36274
FRMD1	3.74737	4.18531	3.89706	3.65448	3.0533	4.14087	4.65674	3.88575	4.03549	4.39917	2.66551	3.33905	4.24814	3.78375	3.64338	4.2961
FRMD3	4.79562	4.24199	5.95527	5.04856	5.1928	5.32165	3.69533	5.73492	4.56192	5.56253	5.57791	5.3317	4.24629	5.01347	4.75563	4.1501
FRMD4A	5.4433	6.06363	5.76027	5.48041	6.19736	6.42388	6.69966	5.92319	5.81884	6.11841	5.40673	5.90975	6.03545	5.91594	5.92308	6.44872
FRMD4B	5.16102	4.91646	5.61508	4.88285	5.37249	4.60347	4.38038	4.10265	4.43542	4.97633	5.2924	5.20839	5.07091	4.30232	4.77548	4.06039
FRMD5	3.45182	4.51664	4.39114	4.51531	4.34603	4.90711	4.42491	3.71177	4.23895	5.81858	4.11705	3.84106	4.88962	4.35735	4.5782	4.72236
FRMD6	7.70859	7.76072	9.39209	8.49504	9.03003	10.3045	8.30721	6.65458	8.28261	9.1743	8.67002	9.25806	8.61682	8.18359	8.97054	8.01099
FRMD6-A	6.09691	5.50223	5.1832	5.5785	4.15744	5.96592	5.1218	5.8463	5.3788	4.89975	5.24464	5.72913	6.13739	5.05216	5.35772	5.6564
FRMD7	2.96659	4.1094	3.46771	5.1084	4.31963	3.37812	3.90378	2.17246	4.12898	4.5207	3.89949	4.32878	4.04818	4.51021	3.55805	2.01298

FRMD8	5.45373	6.12177	5.99921	5.45924	5.32787	5.16241	5.69362	5.55891	5.79626	4.96429	6.06384	6.62078	5.28081	5.46755	5.68495	5.50962
FRMD8P	3.66681	3.01952	3.14177	2.79365	3.46884	2.78532	2.58845	2.40011	2.83517	3.05259	2.79035	2.01179	2.7752	3.31071	3.27847	3.1481
FRMPD1	5.45261	3.93772	3.6244	3.41062	4.81051	5.56226	5.86149	4.10002	6.46008	3.95892	4.82299	5.21084	6.74113	5.57842	3.86469	3.99805
FRMPD3	5.95067	5.68283	4.27028	7.18281	5.71377	4.81617	5.84555	6.26155	7.04821	6.08344	6.93269	4.27983	7.97399	5.77688	6.86265	6.91554
FRMPD4	4.88575	3.04143	3.76737	4.05092	4.28084	5.52053	4.38106	3.82301	4.09708	5.30548	5.30419	4.39682	3.7958	4.32243	4.13444	4.79626
FRRS1	2.94778	3.72982	3.91127	5.11677	1.93871	2.11228	1.43866	3.15288	2.93758	3.47656	2.8192	4.34225	4.01206	4.14195	1.85273	3.49413
FRRS1L	5.13458	5.11089	6.10768	5.37172	5.15599	5.08656	5.97667	5.80309	4.5951	5.74512	5.86708	4.91834	4.93048	5.8431	5.45816	5.14817
FRS2	4.74543	5.0671	4.71358	4.33587	5.85146	5.13318	5.21413	5.35722	5.00186	5.20037	4.7148	4.86169	4.9847	5.28554	4.81617	5.18845
FRS3	6.28624	6.48524	6.43385	6.49492	5.91335	6.29331	7.02388	6.73741	6.20487	6.25649	6.8955	6.09052	6.4665	6.17468	6.84334	5.03426
FRY	6.42365	6.01577	5.79256	6.01722	6.26604	6.08497	5.76532	5.63658	5.47008	6.44906	5.46637	5.60325	3.76677	5.9914	5.79263	5.66331
FRY-AS1	2.34348	4.33402	1.79898	1.3754	4.33348	4.07245	3.49217	5.35451	2.31622	4.79376	1.36661	5.05705	2.75699	2.44811	3.4529	2.28681
FRYL	6.01372	5.79852	6.24968	5.8392	6.51148	6.2833	5.73055	5.59149	5.90098	6.06799	5.83775	5.47974	5.7256	5.47117	5.65342	5.76919
FRZB	6.28402	6.46847	7.56462	7.04312	5.6056	7.07704	5.915	6.69189	6.13518	8.28199	5.99039	7.47978	5.43626	5.52073	6.27203	6.53697
FSCB	2.16905	3.85394	3.91647	4.83683	2.39414	3.84347	3.64382	4.58008	4.86178	5.05088	4.32438	1.94688	3.19903	3.24563	3.8556	5.22506
FSCN1	4.30494	5.99873	6.18181	5.05005	6.70802	7.5649	6.33746	7.29437	6.06094	5.78989	7.36492	7.24445	6.98932	7.56307	7.38957	6.46809
FSCN2	1.44194	1.09002	2.07548	1.444	1.97947	1.00765	1.32308	1.73724	1.59296	1.92074	2.30098	1.44837	1.73296	1.36152	2.04035	2.22886
FSCN3	5.76238	6.43979	6.3346	6.85136	5.96744	5.302	6.05868	6.45541	5.92206	6.70305	5.51991	6.52457	6.12594	6.33808	6.67845	6.2896
FSD1	6.46142	6.72122	6.95289	5.83023	6.00176	6.69086	6.2284	4.51056	5.6132	7.15518	7.46847	5.72434	7.29772	6.97325	5.52122	6.72954
FSD1L	6.44576	5.30969	4.50537	6.04656	5.48131	4.22631	5.11553	5.59579	5.12208	4.71918	5.90848	4.90215	5.54831	4.89773	6.65718	5.31789
FSD2	4.38384	4.25266	4.20503	5.28957	4.45424	4.45264	5.7995	5.6453	5.86679	5.17323	4.23603	6.23778	4.75769	4.22367	5.34851	4.27004
FSHB	3.70138	5.47836	3.09945	4.07003	2.58828	2.34348	2.42155	2.93245	2.28837	2.66614	3.43836	3.483	4.45382	4.75121	2.82464	2.79166
FSHR	4.02962	3.1532	4.2003	3.1994	1.97947	2.83735	4.10344	3.53745	4.16584	2.80132	3.84453	3.26763	3.05227	1.88842	3.9523	2.63794
FSIP1	3.39513	0.55223	3.59844	3.1994	3.44117	4.26501	2.9333	1.04435	3.40648	3.31009	3.48511	2.44179	3.21485	2.65463	4.01749	1.92725
FSIP2	4.47585	3.82382	2.50291	5.04627	2.61273	2.39513	4.7725	2.70064	1.00765	4.82316	4.66023	2.509	4.64622	2.28524	4.45395	3.7755
FST	7.24112	6.41563	7.66346	6.75786	8.0931	8.01968	7.85319	6.2787	5.96658	8.32009	8.17853	7.33526	7.49699	7.22613	8.6025	6.13374
FSTL1	6.67956	7.30969	8.08567	6.30648	6.11277	7.3525	6.14853	6.82623	7.25205	8.40792	7.34672	7.00403	6.67513	6.92074	8.08028	7.48402
FSTL3	2.44059	3.24563	2.81121	2.88071	7.03401	3.04945	3.16512	3.29115	3.69577	2.5437	4.12946	3.96659	4.38612	2.62575	3.51602	3.79382
FSTL4	4.13895	5.31846	4.96284	4.17016	5.3328	5.10247	5.31915	4.382	4.87205	5.07775	4.34651	4.03451	4.79449	4.68167	4.1487	4.85029
FSTL5	1.26457	1.01454	1.44831	1.16965	1.73976	1.00765	1.80024	2.93245	1.1038	1.5458	2.90046	1.01454	3.61424	1.36152	5.27341	1.51008
FTCD	4.01612	4.28111	3.65535	3.48948	4.20655	3.69533	4.25565	3.74573	3.79752	3.88616	3.8954	3.80054	4.4227	3.96455	3.89439	4.03607
FTCDNL	4.6592	5.1517	5.58532	4.55308	5.21788	5.49848	4.80498	5.55827	4.03799	4.46592	4.20427	5.42199	4.37264	5.10065	4.574	4.76339
FTH1	11.5301	11.547	11.5856	11.3913	11.768	11.768	11.4604	11.4157	12.2456	11.4424	12.2456	11.1357	12.1489	12.0504	11.9804	11.602
FTH1P5	12.6201	12.7145	12.9043	12.5323	12.8527	12.6989	12.8186	12.8527	12.9043	12.5183	12.9525	12.6625	12.6989	12.7145	12.7845	12.7329
FTHL17	5.82837	3.09358	4.23911	4.54239	3.07162	5.42686	6.06953	3.0481	3.38569	6.22886	4.15044	2.8813	6.09911	4.75121	4.38741	5.81021
FTL	10.7308	11.602	11.7002	11.3656	10.8255	11.602	8.84082	10.0953	11.9991	11.2015	12.3273	11.4272	12.3491	11.0741	10.783	11.5301

FTO	7.85571	7.57286	7.66888	7.81636	6.97771	8.01856	8.00827	7.98333	7.64471	7.91303	7.33163	7.26885	7.89315	7.89701	8.13992	7.15791
FTSJ1	7.17486	6.99419	7.13071	6.45489	7.20976	6.92524	7.21911	7.30308	7.22669	7.61408	7.36657	7.23993	7.21675	7.12136	6.74803	7.20659
FTSJ2	8.41642	8.52577	8.12977	7.9407	8.75835	8.31492	7.96335	8.96961	8.57771	8.22106	8.70805	8.68785	8.73603	8.55828	8.51686	8.82977
FTSJ3	8.30299	8.41394	8.01367	7.81636	8.75563	8.12072	9.20523	8.37347	8.74396	8.32303	8.62519	8.8522	8.14518	8.46726	8.25405	7.84101
FTX	3.39513	3.40176	5.34576	3.76038	4.08624	5.74383	3.35187	3.31083	3.42477	5.07547	3.55809	2.99228	3.71375	5.64502	5.09413	2.84751
FUBP1	6.77825	6.58481	7.31755	7.23779	7.31362	7.36722	7.66483	7.2057	7.41663	6.68791	6.86383	6.69731	7.28855	7.17711	7.0981	7.43307
FUBP3	6.78574	6.76829	7.36274	7.05272	7.24292	7.1494	7.18473	6.82357	7.01211	7.60613	5.57434	5.70513	4.84501	7.18918	5.36574	7.62491
FUCA1	6.86841	7.21316	7.16597	7.24474	6.51169	5.77513	5.58748	7.94351	7.77017	6.18875	7.1266	5.94043	7.62671	5.49899	6.55527	6.72816
FUCA2	7.86174	7.72467	7.92262	7.03398	7.38616	6.33957	4.67727	6.16644	7.82787	8.29592	7.75602	7.65639	7.66076	6.16967	7.0855	6.96808
FUK	6.35366	6.02581	6.15548	6.79985	6.4479	6.77226	6.67107	6.58872	6.68069	7.32554	6.61308	7.64528	6.25888	6.80069	6.34474	6.64693
FUNDC1	8.39497	8.24453	8.48462	8.86928	8.90271	8.89238	8.88182	9.43324	6.94752	7.60753	8.26134	8.137	9.38907	9.17857	8.901	9.06609
FUNDC2	8.68206	8.37894	8.53555	8.66491	8.48679	8.63859	8.7032	8.42133	8.42505	8.31881	8.42675	8.34289	8.26814	8.3822	8.64113	8.46025
FUOM	5.80361	6.92524	6.71732	6.25108	4.00401	4.55142	4.21561	4.06126	7.14059	7.68471	6.98687	7.08169	6.21786	3.62944	5.59396	3.9365
FURIN	5.50837	5.11285	6.14368	6.79607	6.00176	6.05436	5.76629	5.66963	6.58264	6.49246	6.4869	5.96658	5.64923	5.90555	5.51275	4.98419
FUS	6.35595	5.62765	6.00736	5.97761	5.96787	5.9051	5.77556	5.33145	5.38452	5.52262	5.84569	5.99579	5.14354	6.17043	6.3827	5.65907
FUT1	6.81286	6.52065	4.54034	5.93903	7.49773	7.16652	8.35018	6.71149	6.27896	6.86998	6.18165	7.23129	6.40117	7.75274	6.91774	7.08169
FUT10	6.03605	5.3089	5.02973	5.42595	5.92567	5.39542	6.22501	5.65432	5.89251	5.38754	5.92597	5.3528	5.4303	5.9294	5.18154	6.76064
FUT11	6.38241	6.44056	7.20429	6.16926	6.8096	6.85775	5.62286	6.77226	6.71005	6.36119	7.38369	6.76679	6.86317	6.89356	6.99272	6.66387
FUT2	5.88955	6.09438	6.01991	5.76752	4.9244	5.20142	5.00304	5.76532	4.88202	6.29439	5.4553	4.50111	4.87799	5.49338	4.37155	4.94892
FUT3	6.5965	7.17635	6.79006	6.26114	5.71282	5.97882	6.40819	5.8117	6.28211	8.00083	6.70654	5.82855	4.22631	5.66058	6.37144	5.50277
FUT4	6.21679	6.2383	6.41388	6.65043	7.01407	6.28468	6.33496	7.20295	6.43519	6.1373	6.25598	6.4091	5.45724	7.00437	6.63002	6.76332
FUT5	6.88092	6.75126	7.03561	6.84907	6.27654	7.06607	6.84326	7.75205	6.79656	7.4092	6.79281	6.9617	7.30631	7.19291	7.38734	7.46126
FUT6	4.83125	4.91432	4.68891	4.28309	4.72113	4.39141	4.36974	4.24417	4.49747	5.10935	4.8471	5.05043	4.79376	3.78013	4.29049	4.65582
FUT7	5.54563	5.60835	5.66008	5.34983	5.70221	5.1995	4.81438	5.46952	5.30756	5.15808	4.88909	4.22464	4.4943	5.63327	4.6313	4.90076
FUT8	6.65226	7.27669	7.0855	6.60444	6.81974	6.45101	5.95392	6.67015	6.84737	7.05554	6.32898	6.01152	6.89588	5.36831	6.61672	7.12234
FUT8-AS	6.52919	5.96676	7.09292	6.1982	6.05663	6.11453	5.76752	6.27556	6.45894	6.92944	5.29733	6.43458	6.08272	4.6779	5.8191	5.7212
FUT9	1.82182	4.29444	2.67868	2.96494	3.01775	2.47174	2.91561	2.41683	2.6562	2.89196	2.2056	2.16905	2.70081	2.69546	3.05781	2.50567
FUZ	5.20828	4.77515	5.41247	5.82803	5.89757	5.76458	4.79031	4.83606	4.40538	4.74035	5.86557	5.54537	6.05663	5.84528	6.31173	6.7985
FW33997	3.94748	2.34474	0.41243	1.444	1.00765	1.09519	1.18021	0.27064	1.18021	1.5458	1.79233	2.38821	1.4697	1.21564	0.46592	0.69824
FW34002	2.89649	6.52065	6.78694	3.8281	6.38204	6.75178	3.97251	6.85454	4.33436	5.53181	4.44278	3.80634	6.13739	6.56339	6.26973	6.91554
FXN	5.7854	6.18379	5.11456	5.87114	6.5278	5.39055	6.46546	6.55657	6.50447	5.70107	6.43077	6.25222	6.13572	6.16004	6.29011	6.82985
FXR1	7.13673	6.70889	7.07623	7.09595	7.46733	7.31112	7.92842	6.751	7.32176	7.0472	7.0263	6.81149	7.21316	7.14809	7.17043	7.74711
FXR2	6.46249	6.38992	6.6447	6.62843	6.66023	7.30479	5.67382	7.20891	6.67336	6.22799	7.11849	6.774	7.31561	7.20682	6.58264	6.75611
FXYD1	6.41859	3.89112	4.33416	5.47252	3.75099	3.24275	3.61825	3.86842	4.09292	5.39899	3.45744	6.02886	3.77256	3.67678	4.28892	4.89233
FXYD2	6.30273	6.58244	6.46905	6.09107	6.42177	6.57513	6.2716	6.35184	5.87114	6.56163	5.92825	6.28311	6.61395	8.10716	6.4158	6.38582

FXYD3	10.7652	10.4243	9.51684	9.71731	10.6972	10.1277	10.9946	10.8107	10.2771	10.032	9.4267	9.91148	10.8711	10.5711	9.49286	10.7755
FXYD4	4.0196	4.98301	5.0637	5.5717	5.19435	3.63988	3.79373	4.03916	2.07939	5.84725	5.14516	4.45556	3.71375	3.78375	3.93945	1.98412
FXYD5	7.31755	8.51297	8.00881	8.53743	7.67098	8.66141	7.56855	8.08079	8.44583	8.13632	8.13968	8.36393	7.25032	7.30071	8.07239	7.34542
FXYD6	7.58615	7.96148	7.68134	7.893	8.96148	8.13058	8.45079	7.85943	8.00126	8.39007	7.44394	8.32213	7.46529	7.61706	7.68599	7.76286
FXYD7	4.59471	3.3786	5.94768	5.21663	3.78235	5.41963	5.63452	5.8726	3.50839	6.61209	4.32438	5.85386	5.19806	4.98856	4.56642	4.24336
FYB	5.31111	5.67691	6.22105	6.86641	5.67455	5.74832	5.44206	5.63729	6.51642	5.04856	6.2054	5.44628	5.94789	5.53967	5.78886	5.71911
FYCO1	8.20643	7.83639	8.18097	8.32009	7.30035	7.79201	7.12205	7.73373	7.88943	7.99841	7.51793	7.63559	6.8223	7.22296	7.01865	7.65029
FYN	5.27601	6.23645	6.56519	6.27955	6.33134	6.52645	5.70326	6.45401	6.63752	5.91782	6.57832	6.52173	5.74512	5.65616	6.45334	6.08113
FYTTD1	6.94396	6.99931	7.59076	7.61008	7.55559	6.8223	7.04973	6.2358	7.06996	6.91101	7.59324	7.57258	6.99541	6.97964	6.96795	7.25032
FZD1	5.64828	3.98554	5.48818	5.21878	5.90883	6.24052	5.17003	4.95899	5.8839	6.58666	5.27633	5.95579	4.94892	5.58335	6.33317	5.50113
FZD10	7.13591	6.35534	6.23449	7.24687	6.24105	6.45904	7.23993	3.50531	7.32857	4.14078	4.44278	7.37495	6.07459	6.78527	7.00403	5.93331
FZD10-A	4.48705	4.72807	4.7932	5.75808	5.1141	4.28409	5.26828	4.2698	5.32055	4.27613	4.66374	6.08811	5.15429	3.91275	6.01976	4.17355
FZD2	3.01384	5.8013	4.97356	4.33389	4.1603	6.10863	4.47992	3.26332	4.69014	3.6916	6.00511	6.44252	5.48925	5.62668	5.82846	5.51103
FZD3	7.10709	6.77117	6.8278	7.17305	6.66563	7.15273	7.37382	6.92547	6.67015	7.42409	5.92025	6.49706	6.45994	7.17804	6.96768	7.42167
FZD4	7.06635	5.21894	6.52193	5.39004	5.79986	6.44646	5.65385	6.10182	5.78051	6.22981	5.3987	5.71771	3.44131	4.05033	5.43505	4.40345
FZD5	5.27219	5.21059	5.04513	4.5224	6.43304	4.84587	4.6316	5.30024	6.69167	5.60353	5.71634	4.92134	5.0187	6.06691	5.22818	5.20628
FZD6	7.09069	6.09415	6.56664	6.67504	7.63497	7.70022	7.17193	5.02925	6.31085	5.55308	5.43775	6.06808	7.59643	8.21161	7.62252	7.58413
FZD7	6.18358	6.01522	6.87653	6.87934	8.57771	7.79893	7.7621	7.35004	6.59422	8.06352	5.3962	7.09026	7.65419	8.76046	7.70647	7.37305
FZD9	5.52355	4.46777	5.64993	3.85758	5.20742	5.48413	4.31322	4.08791	3.80565	4.19403	3.98737	4.56642	5.17075	6.29815	5.77681	6.33896
FZR1	5.86679	5.809	6.432	6.1024	5.63419	5.82855	6.15108	5.87709	6.36107	6.02858	6.08272	6.76714	6.04203	6.12693	6.06026	6.17842
G0S2	7.82469	8.1821	7.93918	7.8236	7.53373	6.72553	6.99654	8.02825	7.65049	7.86967	9.40525	8.0757	8.7933	7.64614	7.95951	7.472
G2E3	6.48637	6.58818	6.59011	6.84787	6.93224	6.26018	6.88409	6.48966	6.46826	5.8529	6.89374	6.68609	6.65377	5.65506	6.06598	7.10181
G3BP1	5.52519	6.076	6.37898	5.83196	5.83143	6.36658	6.41933	6.34639	6.30059	5.82328	5.99679	5.96539	6.27134	5.87321	6.02838	5.82812
G3BP2	7.14716	7.9021	7.36211	6.98315	7.91133	7.38774	7.33495	7.82492	7.56995	7.27573	8.02537	7.82179	8.08808	7.3133	7.70859	7.98688
G6PC	3.45142	4.19574	3.67756	4.84861	4.20764	3.40883	5.33954	4.02672	4.11186	2.84032	4.50964	4.61145	3.84106	3.86925	3.3535	5.2922
G6PC2	4.98776	5.71111	4.69108	5.62746	4.68584	5.64632	3.87897	6.42187	4.79613	5.87873	5.92496	5.43241	6.18038	5.49251	5.69207	5.18256
G6PC3	5.42842	6.47632	6.38514	5.97927	6.20209	6.26498	5.62183	6.20209	6.13713	6.00906	6.43854	5.58885	5.73335	6.64035	6.23094	6.86669
G6PD	1.26457	3.36509	1.95191	1.93131	1.88842	2.63321	5.93927	2.04007	4.86753	1.43866	5.97649	2.89774	2.8623	3.49255	2.78105	2.28681
GAA	6.74241	7.00506	6.86006	6.99578	7.0367	7.60958	6.67644	4.67009	7.154	7.94708	8.10488	8.55121	6.60817	6.2716	7.60782	6.43737
GAB1	5.94381	5.89619	5.86663	5.83411	5.85398	6.25405	5.316	5.93318	5.82793	5.94405	6.0893	5.87114	6.01704	5.78593	6.06475	5.4541
GAB2	4.89528	4.70756	4.99562	5.45803	7.2546	5.9972	4.50617	7.23174	7.23993	7.21202	6.64693	7.59347	6.12219	4.79512	6.49715	4.93246
GAB3	2.42212	2.63094	2.43318	3.35467	2.67229	2.77242	1.77016	2.76765	2.27019	2.36594	3.69095	2.98295	2.53386	2.29868	2.68686	2.24671
GAB4	3.69182	4.50537	4.99891	3.99755	4.73788	3.76182	5.87081	5.85651	3.79382	5.54577	5.21642	5.30957	4.75769	4.58936	5.93713	5.91276
GABARA	10.5313	11.1225	10.5665	10.7467	9.57819	11.0928	9.09601	9.56595	10.6854	10.9018	10.6233	10.942	10.9946	10.7548	10.1061	9.96379
GABARA	6.86998	7.0242	7.8922	7.67469	7.68776	7.29931	6.93323	7.14861	7.37425	8.11615	7.23391	6.72122	7.22828	7.36756	7.38556	7.04386

GABARA	10.5062	10.3441	10.5711	10.6932	9.69136	10.1581	8.00951	9.84118	10.0552	10.4489	10.0472	10.2227	10.6304	9.5671	9.30638	9.67513
GABARA	4.80682	5.97245	5.51437	3.6993	5.0817	3.97251	3.70182	6.1571	5.25322	6.70182	5.61655	5.82688	6.30778	5.59748	5.10876	4.82236
GABBR1	6.25615	6.72689	6.32283	5.72931	7.14383	7.24511	7.16126	5.89265	6.46194	7.59076	6.73573	6.49265	5.8266	6.68292	5.91983	5.90883
GABBR2	5.58168	5.19731	5.30554	4.92411	5.04924	4.56615	6.82985	5.61894	4.97435	5.17075	5.04051	5.37759	5.65893	7.5193	5.33989	5.44553
GABPA	4.50317	5.44954	5.35722	4.7723	6.10324	4.59728	4.36763	4.23209	4.31542	4.35267	5.70866	4.82167	4.74319	5.24763	4.89043	5.92501
GABPB1	6.49455	6.87804	6.8912	6.66023	7.1968	6.50605	6.48183	7.12462	7.05101	6.37023	7.22752	5.64161	7.14716	7.54789	7.35571	7.28271
GABPB1	5.29777	4.89423	5.2853	4.8832	5.24588	5.89084	5.68032	4.46753	4.31728	4.49454	4.648	4.6316	5.12085	4.73656	4.86639	4.83635
GABPB2	8.95146	8.57691	9.04157	9.11734	8.46562	9.16853	9.14795	9.10897	8.82891	9.06394	8.4593	9.03764	7.99471	8.7789	8.97353	8.80295
GABRA1	2.99312	3.39559	3.00359	3.0151	3.13202	3.11019	3.89439	2.22243	2.94714	3.33696	2.83106	2.47936	3.06175	3.48684	2.70166	4.63704
GABRA2	4.30526	4.29377	4.70968	5.0266	4.75793	5.00815	3.87174	4.15684	3.61598	4.22701	4.16233	3.75809	3.14845	3.62262	4.03022	4.16233
GABRA3	3.09851	3.69964	2.56774	2.58828	2.44843	2.53476	2.45415	3.31083	2.43603	2.69205	2.85145	3.04581	3.42036	3.34999	2.47462	2.99971
GABRA4	5.12489	4.80084	5.83859	5.85303	4.51245	5.74852	5.4471	6.07244	5.69999	6.02877	4.46555	4.76901	5.79118	5.91288	5.4188	5.26369
GABRA5	4.73058	5.53161	5.1312	4.55018	5.70599	5.32566	4.65119	5.52441	5.35947	6.11977	5.04222	5.796	5.91594	5.18671	5.10172	4.5224
GABRA6	1.50761	2.49227	3.0591	3.1203	2.29738	3.49365	3.00912	4.62117	2.97568	3.70919	4.41154	5.47823	4.51181	2.95261	3.21508	4.10606
GABRB1	4.4487	5.28554	4.22194	4.6793	4.72058	4.16919	3.96455	4.67154	4.30558	5.00175	4.11032	4.37481	3.72029	2.30119	5.02776	3.36231
GABRB2	5.0413	4.27206	4.27841	4.61686	3.77904	3.59491	4.58852	4.57499	3.80004	4.01168	3.8969	4.17056	4.6945	3.23578	4.86031	3.75611
GABRB3	4.85998	4.63552	5.02145	4.63984	4.2698	4.64769	4.23832	4.59162	3.95264	4.59823	4.017	4.88397	5.91931	4.67817	3.98812	4.90369
GABRD	2.82162	2.22591	2.62644	2.48692	2.16738	2.73594	2.77104	2.8813	2.66015	3.17829	2.53386	2.58623	2.7875	2.98185	2.25559	2.44876
GABRG1	3.61521	5.05252	4.96879	3.20944	5.19303	5.16276	3.75383	4.04638	4.45556	4.71215	3.31009	4.86187	5.04103	4.73761	5.23521	5.62022
GABRG2	3.52918	4.2363	4.88056	4.25692	4.05632	4.57686	3.85435	4.22407	4.7199	4.73761	4.73321	3.75611	4.58951	5.02328	5.22546	4.91432
GABRG3	3.60684	4.48281	4.75041	2.86158	4.92884	5.12085	4.57057	3.72831	3.37486	3.69005	3.31059	3.56706	3.67301	6.59858	3.364	3.21973
GABRP	10.7518	10.5482	9.14549	9.46371	8.20866	7.60227	10.4632	8.56106	9.19651	9.48403	7.53221	8.52697	7.27587	9.1846	5.87687	6.2462
GABRQ	3.85618	3.66727	3.78013	4.08018	4.04011	3.93262	3.52848	4.55237	3.53699	3.4133	3.80675	3.8419	3.73945	3.39293	4.98301	3.34835
GABRR1	5.27357	5.37412	6.01459	5.71644	5.18115	5.05836	5.49899	5.19191	5.28829	5.35295	4.98736	5.91306	5.53273	3.68528	5.9813	5.96219
GABRR2	5.93081	6.18222	6.55911	5.17832	6.47083	6.44967	6.08225	5.85064	6.92604	5.58847	4.95972	7.02669	6.3799	6.26387	4.76672	5.83818
GABRR3	3.31017	5.42705	5.77853	6.36484	4.58067	4.95513	5.27116	3.81494	5.21228	5.94323	3.5826	5.47823	5.49284	5.51437	5.56599	5.25031
GAD1	4.79121	4.14967	5.13747	4.05696	6.3768	6.57691	6.57895	6.23972	6.71502	4.51664	4.39917	6.84402	6.60577	6.5965	7.0099	5.61631
GAD2	4.34603	4.57473	4.25308	4.10686	4.23557	4.44939	4.59043	4.50625	4.38917	5.19592	3.47243	3.22069	3.98449	4.3896	4.55379	4.43455
GADD45	8.08705	8.24226	8.88814	8.63859	9.80078	8.47782	8.91007	9.32944	8.09264	8.30008	8.34233	9.56952	9.56403	10.3298	9.26222	10.2398
GADD45	6.95695	7.35478	6.76752	7.03614	6.96272	7.14036	7.02532	6.63063	7.69946	7.25642	7.92556	7.19274	7.22574	6.4995	6.64978	7.16464
GADD45	8.20307	7.30433	7.50291	7.58483	6.95023	7.33828	7.26403	7.7303	7.15633	7.39051	8.1354	7.84126	7.56537	7.36722	7.55335	7.79386
GADD45	5.27575	5.17349	4.76339	4.69835	4.99543	5.11309	5.10451	4.6666	4.75492	4.90868	5.51639	5.16289	5.14549	4.94967	4.70049	5.48864
GADL1	3.50034	3.60842	3.43133	3.41062	3.73118	3.8966	3.82687	4.23662	5.33811	4.14078	3.45096	3.80634	3.99596	4.02061	4.91563	3.7297
GAFA1	4.41574	5.43309	4.98606	5.61264	5.0499	4.94013	4.73921	5.62474	5.23533	3.7682	5.56841	5.43241	5.33882	5.3792	5.53021	5.1616
GAFA2	4.35866	4.2388	4.50237	4.0617	3.95816	3.77609	4.6921	4.25669	4.10622	3.75611	5.36397	4.542	4.53653	4.06652	4.44362	4.57163

GAFA3	0.82494	2.74824	1.3689	1.06683	1.26539	2.86136	1.03884	1.54991	0.80062	1.43866	1.26375	1.54854	1.41985	2.77311	2.78105	1.15718
GAGE1	3.74737	3.80592	3.67421	3.73033	3.81865	4.83368	5.69946	4.39128	3.9348	3.26858	3.91647	4.11653	3.94666	4.58936	4.00819	3.60117
GAGE3	3.68019	2.84393	2.98152	2.72117	3.03309	2.78532	3.52327	3.31083	2.93758	2.88148	3.33935	3.98346	3.21485	2.59761	3.30762	2.90822
GAK	9.92829	9.62902	9.60191	9.04668	8.96044	9.75979	9.14959	9.40387	9.4807	9.87044	9.15245	10.3269	8.67903	9.06301	8.74164	8.85906
GAL	4.26324	4.4879	5.08656	5.22231	4.41311	4.06856	4.62341	4.76537	4.3009	4.7056	4.62341	5.10335	3.98331	4.15705	4.19574	4.71618
GAL3ST1	2.30837	3.34445	3.40102	2.28551	3.50802	2.07394	3.44209	3.55509	3.82945	3.05259	2.27492	2.61134	2.7137	3.52815	2.49591	2.04035
GAL3ST2	5.43457	4.42829	5.76173	5.82803	6.06196	4.86372	4.49757	6.40406	5.54116	5.89969	4.1725	4.77927	5.10281	6.30722	5.52122	4.56255
GAL3ST3	3.25147	5.68683	5.91306	4.29377	4.20446	4.45963	4.70432	5.50962	3.00175	3.47656	2.63321	3.18013	4.73847	3.31071	3.03267	3.20278
GAL3ST4	6.34351	6.81688	6.49318	7.53617	6.99403	7.40347	6.26387	6.12584	7.33702	6.80229	7.43168	6.06651	7.165	6.83449	7.78703	6.73581
GALC	6.71062	6.78271	7.1266	7.24445	6.42415	6.38175	5.12463	6.48933	6.99069	6.44429	7.87346	7.14036	6.70457	5.98336	6.49089	6.78926
GALE	7.05524	6.36476	6.68524	6.42499	5.98586	6.23376	6.23462	6.69702	6.68097	6.67837	7.16995	6.67015	6.63615	6.63278	6.75295	6.70784
GALK1	4.01336	4.13874	4.58199	4.46856	4.37001	4.22367	4.3157	4.4442	4.21355	4.38038	4.70419	3.80894	4.03565	4.61877	3.83724	3.81591
GALK2	6.85008	6.02499	7.06996	7.19719	6.2907	6.39845	6.35574	6.2458	6.5801	6.86762	6.381	5.84563	5.75322	6.04631	5.29011	6.04977
GALM	8.04991	8.07664	7.94787	7.44928	8.13334	6.58617	6.89693	8.02537	7.93633	7.5649	8.43657	7.59995	7.79704	7.13648	7.68033	7.7303
GALNS	6.16644	6.05388	6.03144	4.81291	5.61473	6.03144	5.41855	6.39845	6.42897	5.20466	6.27345	6.76466	5.31846	6.00736	5.92786	5.23487
GALNT1	8.13742	8.40588	8.71927	8.15803	7.93941	8.57221	8.26668	6.73909	8.53406	8.69304	8.21223	7.93338	7.89038	8.01148	8.21161	8.12233
GALNT1	5.86803	5.98501	6.14478	5.61473	6.86345	5.90795	6.55289	5.78238	6.61115	6.74227	6.22045	5.88036	5.27302	6.33721	6.41737	5.66638
GALNT1	8.74637	7.92801	9.50597	8.12887	10.6932	9.62162	10.0302	9.06775	8.41541	8.25203	8.17965	8.66491	9.92065	10.9018	11.4604	10.3792
GALNT1	7.26183	6.91137	7.04994	6.70196	6.46753	6.15224	5.28039	6.93502	6.20342	7.7665	6.67837	5.56217	5.23042	6.32837	3.96416	8.01148
GALNT1	3.37364	4.87494	5.08694	3.90025	3.3753	3.71875	4.0032	4.17584	3.45856	3.32016	3.57717	3.97242	4.10024	4.66602	3.6301	4.1099
GALNT1	6.45143	5.98895	5.60339	3.91668	3.45301	6.65595	7.3755	4.87281	4.02473	5.36656	7.10804	3.0573	5.79553	4.58025	4.47674	3.82034
GALNT1	5.71886	4.55446	5.50846	5.34698	5.5426	5.42135	5.55827	6.36201	5.67035	5.88216	5.56929	5.67516	6.03011	5.46729	5.81194	5.85848
GALNT1	5.06051	4.57315	4.91553	4.86538	4.0831	5.25407	4.03129	5.18736	4.74224	5.93989	4.93441	5.06279	3.04581	4.20397	3.86158	4.18318
GALNT1	6.61757	5.45006	6.01577	5.75483	6.60271	6.41548	6.63421	6.63421	6.19375	6.54889	6.14773	6.2306	6.37883	6.70089	6.44586	5.81165
GALNT2	7.16246	7.08674	7.84964	7.30789	7.90171	7.72407	6.83992	7.49457	7.47714	7.66502	7.27573	7.86725	6.8071	7.50555	7.56707	7.05272
GALNT3	7.41939	5.77244	6.50855	7.03653	5.81398	3.80675	6.66787	6.17699	5.15387	6.40446	6.74325	5.45626	4.95657	5.53879	6.15699	7.13366
GALNT5	6.18553	5.14562	5.26698	4.83036	4.97512	4.5022	5.99359	5.21864	5.61082	6.1861	5.38939	5.29597	4.40839	4.24238	5.78962	4.80647
GALNT6	7.01444	4.50167	4.79343	4.52112	4.29343	4.15183	5.4433	4.02546	5.83989	8.56598	5.042	4.17832	4.93594	4.05943	3.83593	5.72755
GALNT7	7.5753	7.17565	7.74091	6.93064	7.1078	7.6495	7.09595	7.30705	7.30409	8.90713	7.4066	6.68395	6.95695	7.13366	7.11246	7.94485
GALNT8	4.44009	3.47417	3.15379	3.44117	3.32431	3.81413	5.27954	4.1207	3.88943	3.55696	3.07695	3.61408	3.49323	3.33112	3.17223	2.88582
GALNT9	4.0831	4.08141	4.08394	4.21125	3.86774	4.03667	4.42347	4.06126	4.24836	3.87941	4.22933	4.31399	4.22425	4.17756	3.83184	3.97214
GALNTL	2.93125	3.52573	3.44341	3.42644	3.16569	4.89066	2.73211	3.23218	3.27349	4.16253	2.54194	5.09218	5.30913	3.29459	3.38625	3.5127
GALNTL	3.66681	5.71334	3.807	6.11947	5.38252	5.64632	6.2336	4.02048	4.59837	4.22052	4.97729	6.05999	3.71375	4.64607	5.67873	4.36849
GALP	2.68367	2.29438	3.07458	2.81334	2.89774	2.88086	2.67152	2.731	2.67969	2.23712	2.48014	3.58989	2.52228	2.44811	2.50999	1.98412
GALR1	4.37472	5.56364	5.30746	3.50564	5.83766	4.92674	5.48605	4.94996	5.30524	5.49998	3.99549	2.73426	2.59488	5.67663	5.65551	5.48056

GALR2	5.44106	6.39101	6.84955	5.00785	5.42868	6.03673	5.96527	3.94809	3.82945	5.41453	5.12489	3.60204	3.34323	6.17468	5.58126	6.17056
GALR3	4.10344	4.18531	2.65267	4.1095	4.18221	2.88086	3.60262	2.70064	3.78033	2.69205	3.66652	4.69025	3.91647	4.5359	2.98901	4.27608
GALT	6.08983	6.11077	5.90235	5.84019	6.23437	5.93927	5.69394	6.25012	5.98051	5.2999	5.87819	6.29809	5.28812	6.39896	6.06936	5.87321
GAMT	4.70407	5.43532	4.78005	4.26674	6.07392	6.66401	5.15926	4.11705	5.81705	6.29011	5.24016	6.8284	6.83211	7.64528	6.35401	5.24052
GAN	4.08712	5.0289	4.40557	4.9186	4.35078	3.81806	4.92554	3.74409	5.0511	4.54628	5.21738	3.80166	4.31815	4.00961	4.83168	4.47073
GANAB	7.39967	7.08431	7.35032	7.10271	7.40819	7.58232	7.00568	7.72821	7.12714	7.86922	7.12268	6.85903	7.04151	8.43209	7.49549	7.00204
GANC	5.99529	6.01381	5.86584	5.97649	5.76403	6.24425	5.44809	6.54427	6.2474	6.45915	6.12673	5.77051	6.81265	6.20107	5.99641	6.50001
GAP43	4.9796	4.87431	5.57066	5.16507	4.67628	4.28228	4.83511	4.90526	4.93457	4.59328	4.62017	4.51825	5.29075	4.94559	5.60986	4.95287
GAPDH	10.9849	11.712	10.942	11.0674	11.6759	11.2693	10.5711	10.058	10.4836	11.5301	11.6606	12.2135	11.8369	12.3273	11.3999	10.8973
GAPDHS	4.77121	3.32466	2.70549	4.9537	3.35289	4.79793	4.01749	4.42433	2.76258	3.25068	3.24563	5.48098	5.44143	5.61264	3.39726	4.10052
GAPT	6.14693	7.29595	6.44565	7.30991	6.19154	7.03639	4.8582	4.83606	5.56523	5.33406	5.36735	6.53641	5.03851	5.07516	5.79184	5.31202
GAPVD1	7.43858	7.74284	7.34076	7.67787	7.34856	7.22296	7.47334	7.85368	7.74052	7.10326	7.53288	7.4292	7.29473	7.36164	7.59042	7.26214
GAR1	8.76117	8.97876	9.4407	9.37224	8.87558	9.98406	8.94258	9.90115	8.88215	8.91477	9.61651	10.1401	9.10516	9.43955	8.61941	8.47157
GAREM	6.35116	5.71924	6.30273	6.67407	5.50032	5.82637	7.32307	5.28791	6.35534	7.5095	5.44628	5.12539	6.09844	7.59076	7.30766	5.8266
GAREMI	5.35185	6.24136	5.94499	5.70189	6.19241	6.13753	5.979	6.33317	6.06691	5.39252	5.56963	6.26865	6.15028	5.9069	6.56163	5.97943
GARNL3	5.0217	4.95919	4.29893	4.03368	5.26165	4.86304	4.15464	4.18038	3.93813	4.72967	3.70822	5.68888	4.28945	4.08712	4.66492	5.35968
GARS	8.71319	8.62877	8.7789	8.01829	9.19078	8.30225	9.41034	9.70215	9.60125	8.98332	9.34108	8.20394	8.22973	9.7488	8.71883	9.7568
GART	5.44903	5.69321	5.67328	5.24821	5.96999	6.08317	6.51269	6.03535	5.68541	5.72846	6.36903	5.23546	5.74475	5.83248	5.77613	6.16214
GAS1	4.87189	5.06834	5.12234	5.27487	6.50074	6.26865	4.481	4.4644	6.40159	5.03564	5.73993	5.93233	5.03262	5.03513	5.80853	4.29343
GAS2	6.22022	6.48524	2.91679	6.44845	5.12089	6.34538	7.16995	4.60422	5.47909	5.30815	3.35206	3.99715	2.42653	5.5659	6.17169	5.9606
GAS2L1	5.78145	5.77513	5.8182	5.44364	5.39096	6.75593	6.95926	5.9051	6.06598	6.75167	6.1556	5.86835	5.08656	6.3909	6.32977	5.37568
GAS2L2	3.41112	2.77081	2.21086	2.90159	1.93871	2.89716	2.42155	2.91144	2.70734	1.92074	2.56627	2.73426	4.23895	2.70047	1.88334	2.47807
GAS2L3	5.48559	5.55081	5.21413	5.33762	5.19496	5.15758	5.48393	5.53003	5.76752	5.69269	5.49021	5.10366	5.64447	6.25446	5.47935	5.87283
GAS5	5.59803	5.26171	5.4895	6.11008	6.45819	6.23796	6.59933	5.52895	5.64719	5.27487	5.3948	5.52528	5.67467	5.28671	5.90124	5.58889
GAS5-AS	5.4315	5.13629	5.4639	4.37118	4.9314	5.75265	5.85187	5.48699	5.41128	5.541	5.60533	3.4402	5.3226	5.48413	4.74294	4.66581
GAS6	7.18095	7.81868	8.65312	8.11037	6.83673	8.81055	9.05406	8.28729	7.9141	9.24623	7.92999	9.02378	7.65686	9.07417	8.01689	8.40426
GAS6-AS	4.9039	6.25094	5.78145	5.96245	5.03113	5.60986	4.71261	5.52965	5.477	5.96948	3.95025	6.46676	5.7411	5.70933	5.54532	5.68283
GAS7	5.65342	5.8191	6.48089	6.0737	5.90202	5.89886	5.26879	5.66181	6.31191	5.8191	6.39439	6.56098	5.33697	5.15758	6.20038	5.43688
GAS8	5.52006	4.2689	4.31978	4.57486	4.48291	4.73519	3.40901	4.44194	4.82364	4.83738	4.28892	5.00222	5.54035	4.04773	4.82547	4.2961
GAST	3.99584	5.31079	4.72271	5.66468	5.91698	5.1893	5.46734	4.6439	5.89088	5.42606	6.09131	4.39036	5.8673	5.87121	5.7831	5.8754
GATA1	4.45523	4.20655	4.28945	4.22425	4.25238	3.90229	3.84426	4.23311	3.69048	3.73088	4.43114	3.94789	3.84505	4.13874	4.9146	3.40263
GATA2	6.52544	5.97806	6.37431	6.56901	5.45949	6.02299	5.71997	6.2716	5.81961	6.39176	6.00684	5.9118	5.75373	6.14992	6.19907	5.75929
GATA3	5.71246	5.38803	6.42972	6.91856	7.30834	6.50219	7.59541	7.18517	6.94281	4.95325	6.63893	6.00684	6.5296	5.70643	7.9507	5.39763
GATA3-A	4.80555	4.32344	4.63871	4.19646	5.10043	2.54194	4.85621	4.0351	3.517	4.30583	3.04435	3.83039	3.53857	4.26088	3.61598	3.77177
GATA4	4.46753	4.16142	4.21488	4.23481	3.9922	3.56473	4.16421	4.54295	3.84597	4.28816	4.37155	3.81013	4.27619	4.5554	4.26048	4.82516

GATA5	2.97824	2.4777	2.52728	2.1617	2.43188	2.67075	2.04282	2.71916	2.60906	2.86736	1.80918	2.51876	2.32579	2.91928	2.42617	3.25613
GATA6	6.5353	6.10669	6.76579	6.11701	7.17515	6.52377	6.35595	7.01792	6.30501	6.15861	6.2553	6.28945	6.94963	7.02452	7.36696	7.02771
GATA6-/	6.44898	5.73502	5.9545	4.48948	6.0156	6.0617	5.81987	5.75271	5.74444	4.11175	5.20037	3.99007	6.03949	6.57908	6.7134	5.57637
GATAD1	6.83657	5.6019	6.28889	6.42054	5.89446	6.29187	5.93974	6.55976	6.32955	6.32595	6.09093	6.03254	6.25838	5.99097	6.12881	6.54101
GATAD2	6.29494	6.45669	6.15126	6.02877	6.2422	6.05003	6.5353	6.07264	6.02445	6.21479	6.49013	6.53804	6.49559	6.31023	6.27603	6.64708
GATAD2	6.28525	6.11535	7.05087	7.00523	5.98416	7.12681	7.57994	5.2999	6.21535	5.81525	6.03682	6.65014	6.14498	7.1297	7.11663	6.40548
GATC	5.21495	6.30863	5.92461	6.16396	5.79497	5.59123	6.17178	5.92336	6.05143	5.77919	6.46546	5.21642	6.47024	6.07898	6.0757	5.76752
GATM	3.80117	3.93923	3.94083	3.84132	4.14617	3.84644	3.66884	3.64199	3.29508	4.27649	3.53745	3.88447	3.70541	3.7924	3.65608	4.35515
GATS	6.43003	5.84712	5.692	6.62771	6.07171	6.77952	6.68352	5.29032	6.85943	6.67625	5.42284	6.70457	5.9784	6.33679	7.18753	5.8727
GATSL2	3.56191	4.05078	4.04694	4.16395	3.27783	3.41719	4.69773	4.23662	4.19706	4.50434	3.8925	4.61373	4.03129	5.39607	3.6535	3.55993
GATSL3	4.50944	3.76885	3.62864	3.83593	5.12131	3.31287	4.35134	3.40595	4.89742	4.57777	5.95187	5.34859	5.16345	4.71149	5.44143	4.48624
GBA2	5.18703	5.38571	6.53281	4.86049	6.50922	5.86075	6.0737	5.46851	6.67217	6.5312	6.32945	7.12352	6.44906	5.94782	5.56894	6.58226
GBA3	5.88528	5.2531	6.17043	4.62955	5.25952	5.15466	5.83559	4.78042	5.14562	6.2804	6.53414	5.11285	7.31799	5.49487	4.89182	5.08546
GBAP1	8.81505	8.05719	7.79591	7.48235	7.95572	7.23499	7.64378	8.33433	8.53799	8.31086	8.47529	7.20142	7.90525	7.92449	7.77048	8.73982
GBAS	8.56536	7.93452	7.69193	7.7017	9.08188	7.80162	8.45079	7.88588	8.50194	9.32273	8.13992	6.16614	9.22652	8.00902	9.49953	8.95622
GBE1	10.4028	9.45518	9.76458	9.60059	10.7017	9.12492	10.5665	9.6066	9.51684	9.83596	8.80992	8.44059	9.33233	8.89592	9.66243	9.67232
GBF1	6.7396	6.84862	6.39748	6.41177	6.54459	7.12767	7.10108	6.91979	6.22177	6.61924	6.71011	7.04119	6.2802	6.87773	6.5805	6.46984
GBGT1	6.99984	8.05785	6.94914	6.57951	6.31611	7.54616	6.76425	6.90589	7.44019	7.2883	6.96067	8.31951	7.40676	6.22844	6.39618	7.09477
GBP1	7.40236	6.93843	8.75379	7.45295	6.91486	7.7158	7.71017	8.08518	8.5825	6.86277	9.29297	7.7303	8.44095	6.64457	7.90099	7.78519
GBP1P1	2.65839	3.40176	1.85463	3.80706	3.53849	3.52398	3.16512	3.79039	2.07939	2.77263	4.12946	4.06056	3.25147	1.92414	2.72952	3.08868
GBP2	7.38721	7.85248	8.89283	7.57212	8.25902	8.22001	8.39162	8.61181	8.96611	7.13935	9.26606	8.66724	8.68785	7.8236	8.5278	7.92881
GBP3	9.22523	8.90524	10.2667	8.78035	9.31635	8.65782	8.55331	9.2707	9.19751	8.45696	7.85105	9.05155	8.84762	7.96944	9.10516	8.97654
GBP4	4.20556	4.29473	4.74319	3.129	4.37334	4.47807	4.4478	5.16886	6.04351	3.09851	5.44452	4.56925	5.17349	4.98644	4.63208	4.63727
GBP5	5.48131	8.22781	9.06063	7.32427	8.13008	8.16838	7.99684	9.06963	9.01865	6.76605	10.8431	8.74527	8.15692	7.33814	8.14684	8.0026
GBP6	5.8392	6.49673	5.0651	5.76339	6.16667	5.81021	5.74912	5.75757	5.7148	5.11141	7.11147	5.55036	5.98151	5.46829	5.17093	5.40101
GBX1	5.16345	2.99228	2.11428	3.46996	2.94105	3.37812	2.3531	2.46648	3.42477	1.96807	2.73426	2.41615	4.22425	2.59761	2.82464	2.99971
GBX2	4.51157	4.47924	4.69821	5.46594	4.94013	4.31657	5.51451	4.78725	4.5431	3.62321	4.3863	4.80362	3.23246	4.61514	3.12323	4.43638
GC	3.00675	4.78107	4.15658	3.87736	5.73055	4.7822	5.0271	4.65546	4.10622	2.50603	4.19082	1.91466	5.20142	6.91366	4.87602	5.24773
GCA	8.76878	9.25806	8.88182	8.84609	9.37708	8.79047	8.63161	9.12067	9.63723	8.49014	9.90298	8.75045	9.24623	8.55517	9.40387	9.85111
GCAT	7.35068	6.64604	5.33742	5.68604	6.35436	7.12328	7.42589	6.70457	5.90118	7.56278	7.06524	7.44871	7.47423	7.44372	5.63395	7.24855
GCC1	6.69937	6.76807	6.8519	6.9671	6.85834	6.75972	6.81217	6.90468	6.62877	7.00096	6.73081	6.8106	6.63235	6.91101	6.94695	6.63967
GCC2	7.42833	7.7158	7.44322	7.79159	7.62815	7.16333	6.97964	7.71915	7.33152	7.97233	7.21911	7.08717	7.23993	7.50734	7.5386	7.96289
GCDH	4.99733	6.21991	6.29935	6.17788	7.1351	6.36294	6.03605	6.93537	6.50074	4.36934	7.32427	7.22111	6.52006	7.74711	6.2577	6.56272
GCFC2	5.29298	6.44674	6.00298	5.48621	7.03494	6.59123	6.50835	5.80853	5.10335	6.00213	6.58949	6.55768	6.74845	6.5318	6.34706	7.40236
GCG	1.84505	2.91316	1.32681	2.90159	1.69898	1.00765	1.73976	1.3689	1.53958	0.85718	1.20713	2.41615	1.59204	3.26302	3.24403	2.67577

GCGR	6.70233	7.05651	6.71949	6.97362	6.38544	6.41627	6.17878	7.3488	6.78897	7.69546	6.57888	6.65352	6.62723	6.36077	6.17517	6.90931
GCH1	8.40189	9.57879	9.59898	9.29696	10.1104	8.48042	8.96148	10.0365	9.70215	8.31086	11.422	8.23685	9.97305	8.46182	8.80651	8.99832
GCHFR	7.72752	7.46847	6.20271	6.93183	5.02134	4.91415	3.64382	5.36018	5.8109	6.89272	7.09732	7.27922	6.16168	5.7441	5.79464	5.5629
GCK	5.2775	5.49584	4.9112	4.58019	4.95382	5.8691	3.77935	5.95144	5.62078	5.93577	5.55298	3.77334	3.89335	4.18663	5.5579	4.87251
GCKR	2.08404	1.84587	2.04684	2.61385	1.93871	2.03544	2.90726	3.47335	3.04535	2.01376	2.58746	3.3015	3.03764	1.72157	3.37408	3.5127
GCLC	7.16382	8.13158	6.98662	7.25795	8.06036	6.76898	7.03517	7.14485	7.93282	7.22279	6.77874	7.29703	7.41994	7.49002	7.40779	8.15497
GCLM	7.8597	8.04125	6.78789	7.68518	7.44685	6.67737	7.51249	6.62843	6.11841	5.9871	6.80197	6.50148	6.61966	7.55335	6.96963	6.69517
GCM1	3.66681	1.84587	2.33881	2.1445	1.00765	1.90997	1.54854	2.78286	1.53958	1.87612	3.981	1.80953	2.10686	2.37224	4.14453	2.67577
GCM2	4.99883	4.95465	3.43133	4.54858	3.73869	4.4107	4.39009	4.98541	5.22283	2.01376	5.19754	3.85447	5.33882	3.80927	3.92173	5.77235
GCN1L1	7.78837	7.74136	7.65029	7.36788	7.77507	7.51709	7.79463	7.25884	7.76863	7.75239	7.77186	8.17445	6.90487	8.27303	7.50184	7.59595
GCNT1	7.40581	7.09987	7.4383	7.07031	7.17129	6.56733	6.791	7.58901	7.48544	6.51789	8.02106	7.33495	7.45787	6.69674	7.24537	7.19454
GCNT2	6.48735	5.89565	3.98126	4.95724	4.85676	5.53553	5.77244	5.18956	5.76633	5.80097	4.6382	3.30487	5.82822	3.67301	5.00482	4.67727
GCNT3	9.36926	8.92512	8.69379	7.16663	7.35478	5.89412	8.43956	6.67073	7.17466	11.3517	7.43924	6.01474	6.818	7.40281	5.87687	8.29543
GCNT4	6.47895	6.56965	6.22609	5.95827	6.24434	5.92644	5.52799	6.64123	6.40352	5.17323	5.78351	6.65275	6.33478	6.41313	6.11665	6.55702
GCNT7	4.98927	4.4821	4.67727	4.4107	5.06996	4.74829	5.02851	4.97217	5.23021	5.11924	5.06815	5.02465	4.00874	6.2291	4.26663	4.48593
GCSAM	4.9939	5.37412	6.33835	6.98209	7.98418	7.05162	8.04588	7.207	7.11703	6.2132	6.3778	6.831	6.95289	6.89922	7.67624	7.08169
GCSAMI	2.27273	5.50223	3.23213	4.1299	3.70286	2.97137	2.75954	1.99703	4.13584	2.38782	5.50599	2.75185	3.28382	1.27177	3.13607	3.96332
GCSAMI	4.0622	5.01945	3.93627	2.63639	4.51886	2.03544	4.36468	4.41679	2.97568	5.08139	5.05088	5.11486	3.47767	4.935	4.36165	2.71584
GDA	7.26107	6.9158	6.46194	6.79723	5.84528	6.56768	6.54142	6.44212	7.08315	6.23796	5.70807	6.22725	5.62406	6.06123	6.37128	6.29011
GDAP1	5.67859	5.50994	5.90626	6.00788	6.12925	5.82886	4.99189	5.50829	4.98037	6.3909	6.40266	5.56963	5.50408	5.67778	5.89702	5.2306
GDAP1L	5.2531	6.24252	5.42722	4.84774	5.95916	5.3672	5.64301	5.49803	5.85866	4.37418	5.88301	5.80692	6.11583	6.03389	5.5579	6.25137
GDAP2	4.50994	4.90027	6.22938	5.28677	5.56599	4.59328	5.24965	5.82034	5.6056	5.28791	6.24397	5.85266	5.32967	5.61494	4.86678	5.97818
GDE1	7.21344	7.3721	6.9705	6.71186	7.7303	7.00465	7.2488	7.74515	7.39069	7.44071	7.32963	6.19919	7.35865	7.52731	7.43728	7.14209
GDF10	5.04458	5.81537	5.9848	4.56912	4.89904	4.79243	3.52327	4.97563	5.0222	6.29245	3.18189	5.21937	5.35451	5.3792	4.62974	5.29817
GDF11	4.42101	3.96018	4.51964	4.22596	4.67394	5.33329	4.67128	4.41415	4.66867	4.5554	4.83543	4.49636	3.85006	4.73835	3.97084	4.24836
GDF15	4.28816	4.50994	4.4442	3.88402	3.57431	2.92455	3.96826	4.05632	4.35094	4.45382	4.40483	3.87693	3.22013	4.77035	3.11375	2.65101
GDF2	3.06503	5.0097	3.24205	4.54858	3.32431	5.35829	4.25043	6.0882	3.92436	3.3263	3.21922	5.34691	6.25587	4.13014	4.36479	5.42665
GDF3	4.28431	5.76663	5.66376	5.21128	3.85505	3.57327	4.008	3.56906	4.02473	6.56837	5.84336	5.80692	2.6465	4.01187	6.13977	5.07599
GDF5	4.72201	3.40176	4.58037	4.16395	4.59728	4.50567	5.10831	4.41679	3.63964	5.76532	4.81003	3.93749	4.11891	4.8002	4.44094	3.0606
GDF9	5.70671	4.31399	4.06856	4.24629	6.08093	5.83	2.75954	5.76347	4.26581	4.39244	5.69572	4.55964	3.64142	4.02061	4.06918	6.03959
GDI1	7.92893	7.76404	7.59162	7.11075	7.24729	8.7032	7.99407	7.63234	7.89942	7.34834	8.44632	8.36439	7.56138	7.32914	7.65934	6.78323
GDI2	8.51568	8.82316	8.54257	8.18026	8.81753	8.63198	8.44931	9.15916	8.72368	8.9792	8.65431	8.40947	8.41852	8.74609	8.88693	8.2838
GDNF	6.03205	5.99187	5.41934	5.07507	4.99475	4.67048	5.03573	5.28677	6.2577	5.17515	4.69327	5.28829	5.74238	4.94543	5.68335	4.8882
GDPD1	5.46528	6.46324	5.82506	6.30433	5.79533	5.36625	6.15629	6.10997	5.49001	5.78564	5.46159	5.14549	6.01778	5.35346	6.25548	6.05975
GDPD2	4.04247	4.25266	4.29326	3.76038	3.44117	3.77609	4.07312	4.2959	3.80565	3.41751	3.70318	3.90172	2.36805	2.99448	3.41773	2.61375

GDPD3	2.21029	2.70876	3.99755	3.76038	5.34251	4.21854	3.91631	5.14009	4.55668	2.34717	7.59703	5.76565	2.98256	2.57571	2.81201	3.23061
GDPD5	5.3392	5.4555	5.44924	5.62606	5.66772	5.09944	5.51033	5.83086	5.05513	5.37964	5.40356	5.72358	5.64161	5.61383	5.5775	5.17108
GDPGP1	6.44154	4.00768	5.93612	6.05854	5.65157	5.50567	5.7251	5.1459	5.05288	4.04734	5.67804	3.93749	5.6564	6.27509	5.43322	3.82879
GEM	6.55195	7.41324	8.01042	7.23822	6.98991	7.10605	6.51608	6.5296	7.19454	7.87675	6.54251	6.81884	6.2574	7.76388	7.14668	7.42409
GEMIN2	6.22799	6.21022	6.44586	6.31624	6.94031	5.84019	5.62336	6.54977	6.46984	6.38394	6.80739	5.92381	6.74803	6.07045	6.15194	6.58169
GEMIN4	5.63311	6.08574	5.5025	6.01939	6.48056	5.54107	6.06123	6.44143	5.32867	5.19056	5.67908	6.26341	6.14347	6.55834	5.85541	6.46131
GEMIN5	6.2273	7.10517	6.41685	6.50907	7.06811	6.87666	7.37019	7.97459	7.08377	6.83126	7.1053	6.66575	7.25954	6.89922	7.39608	7.1324
GEMIN6	6.65971	6.71935	5.79835	6.86411	7.1175	7.21373	7.50132	7.41593	6.96845	6.27435	7.32647	6.71524	7.37333	6.77024	6.90322	7.36235
GEMIN7	6.31957	6.85595	5.88076	6.48293	7.09572	6.91209	5.90267	6.83139	7.01792	6.18119	6.72015	7.83226	7.36788	6.62898	6.46116	7.05651
GEMIN8	6.77732	6.80543	6.9108	6.69878	7.02866	6.61221	7.11435	6.8232	6.51983	7.26141	6.50148	6.33989	6.85972	7.22787	6.84907	6.70066
GEN1	4.22771	4.50197	5.64923	5.62634	5.10291	5.26572	4.64341	4.62888	5.1579	4.55333	5.59515	4.34346	5.43961	5.06815	5.11909	5.02104
GET4	7.43124	7.91964	7.12006	7.21707	7.71541	8.12753	7.02275	7.13865	7.54616	8.05423	7.73933	8.34233	7.99865	7.98293	7.40878	7.95464
GFAP	1.97567	2.06833	1.9914	2.04785	2.41413	2.32321	1.93556	2.82958	2.45719	4.43669	2.00052	2.16848	2.38321	2.33881	1.86836	1.94998
GFER	6.8277	5.24924	5.60742	6.48609	5.2018	5.76224	5.88435	5.05384	6.00684	6.03166	6.29625	5.35063	5.5224	6.55916	4.99704	6.34485
GFI1	3.48571	4.80979	4.84794	4.50197	6.11232	3.92656	3.92606	5.47965	5.34272	3.58913	7.06455	4.63689	2.94778	3.23061	3.51602	3.16144
GFI1B	3.0564	3.54991	3.6778	2.99916	3.28689	2.47535	2.71932	4.19207	2.77795	3.16446	3.5644	3.31445	4.64112	3.48161	3.32719	4.74559
GFM1	5.75265	6.3569	5.56872	5.31712	6.16862	5.71171	5.68176	6.0189	5.54936	5.28942	6.61221	5.49147	5.54814	5.14562	5.79533	6.21942
GFM2	6.35206	6.62295	5.28942	6.52544	6.39707	6.18726	7.02326	6.77096	6.03089	6.65763	6.18888	6.00788	6.93883	6.48246	5.31564	6.52623
GFOD1	6.36829	6.96991	6.86455	7.10162	6.65226	6.69377	7.06179	7.59679	7.16903	6.98066	7.0572	6.64424	6.85595	6.41177	6.67595	6.60354
GFOD2	5.28144	6.2126	5.17761	5.06647	4.6921	5.20862	3.5479	4.5743	4.07129	5.28004	4.98805	5.21285	5.5426	4.574	4.14056	4.1339
GFPT1	7.45844	6.75209	7.82492	7.47138	7.91273	6.09555	7.24953	6.29363	6.02499	8.43886	6.95795	5.99921	6.21991	6.87888	6.24052	5.95632
GFPT2	6.40707	5.6286	7.15739	6.38959	6.79861	7.35339	7.97191	7.53673	6.76797	7.46689	6.78596	6.47449	6.41831	7.61626	8.29809	6.08408
GFRA1	5.85235	7.1297	5.87165	7.30736	5.17003	6.27955	5.38391	6.38382	7.35627	7.70929	5.17184	6.73659	4.10052	5.66305	6.18726	6.57417
GFRA2	3.51809	3.69726	2.86953	4.1681	2.88516	3.50511	3.0472	3.44185	2.72354	2.81949	2.59045	4.16438	3.22069	3.27248	2.93642	3.78089
GFRA3	4.33776	4.7669	5.0758	4.72646	4.20975	4.32665	4.35788	4.42144	4.71779	4.93653	4.76965	4.56149	4.48705	4.79693	3.9561	4.5681
GFRA4	2.97675	4.5022	2.97525	2.99321	3.53131	2.43717	2.97414	4.35515	2.89103	2.52488	3.11783	3.2859	3.29336	3.02655	3.09072	3.16666
GGA1	6.65691	7.06996	6.64819	7.05849	6.98142	7.52366	7.09223	7.50291	6.68585	7.34333	7.17072	7.82748	7.01235	7.53221	6.48575	7.39967
GGA2	5.81801	6.33653	6.20812	5.82442	6.68251	5.9893	6.16895	6.43458	6.06448	5.91054	6.10253	6.64131	6.38946	6.36201	6.52505	6.26018
GGA3	6.12207	6.56339	6.25872	5.93713	6.23706	6.19721	6.02266	6.13121	6.41007	5.83196	6.5965	6.33478	6.20209	6.70511	6.19879	6.1118
GGACT	5.69601	6.36829	7.40123	6.6798	6.3999	5.7063	7.16078	7.24537	5.26984	5.68541	5.77268	7.03543	6.6373	5.53761	6.84429	6.00366
GGCT	10.5124	10.8054	10.8356	10.7267	12.0258	11.4424	11.7815	12.0147	11.741	11.6759	11.4604	11.048	11.5301	11.4272	11.6219	12.1026
GGCX	6.38946	6.91871	6.53336	6.74298	6.69348	6.97901	7.53012	7.14616	7.25736	6.71717	6.91944	7.31427	7.00926	6.71717	6.46055	7.01893
GGH	8.34712	8.62416	8.31755	8.12568	9.55522	8.32844	10.5225	8.51084	9.13461	8.96611	9.20992	8.26476	8.02205	9.40713	9.19156	8.31453
GGN	3.0533	3.01167	3.18749	2.13523	3.31615	3.03791	3.24439	3.1994	3.14136	2.78698	3.78428	3.18863	2.63618	3.35467	2.97019	3.08198
GGNBP2	7.91547	6.88861	7.40032	7.21428	6.18181	7.09703	7.81112	7.29896	7.31491	7.18221	7.02379	6.83587	6.94927	7.87748	7.67213	7.31898

GGPS1	7.38024	7.16101	7.24572	6.96845	8.00713	7.40259	7.62838	6.54861	7.85915	7.50047	7.06035	6.78398	7.81974	7.2038	7.91644	7.6407
GGT1	6.90068	7.13623	5.91457	7.23024	6.48947	6.88523	5.56581	7.5206	7.25259	6.961	6.06314	7.75049	5.99292	6.92604	6.6402	7.12855
GGT5	2.53024	2.63607	4.01284	2.184	2.55772	4.11531	2.27576	2.13755	4.01633	3.55696	6.23645	4.10127	2.52228	2.65463	3.4529	2.45954
GGT6	8.02563	7.41075	6.04938	6.64145	6.49429	5.65192	7.50417	6.52006	6.3998	7.69278	6.9671	4.32878	6.68978	8.62519	7.07509	6.91129
GGT7	5.50408	4.166	3.32868	4.10559	3.10403	3.73075	3.3637	3.91728	3.65902	5.20936	3.56284	4.80236	3.22605	4.04104	4.17154	2.7762
GGTA1P	7.30095	8.97353	8.74446	9.11184	8.32009	8.83393	7.58583	8.55727	8.84082	9.43324	8.23984	8.25253	8.68272	7.68663	8.98153	8.44366
GGTLC1	7.10298	6.79985	7.24262	6.41332	7.47156	6.67173	7.38282	7.61233	7.46613	7.1585	6.42921	7.52899	6.97745	7.54578	7.91179	7.0573
GGTLC2	5.4792	5.90386	6.62128	4.33153	6.33487	6.03673	4.92155	6.07547	3.79382	6.33978	4.32438	6.3492	7.00374	6.39199	5.6169	6.40084
GH1	3.12473	4.22106	3.18907	2.9333	4.01654	3.5533	4.03368	3.73049	4.04247	3.1449	3.51731	3.58364	4.88265	4.38162	4.10559	4.86595
GH2	1.97795	1.9808	2.34389	2.24458	2.04467	2.3203	1.52785	2.36653	2.48854	2.48692	2.39654	1.4697	2.24915	1.31502	1.28992	2.33043
GHDC	5.98551	5.50968	6.13739	5.88216	6.34562	6.69654	5.07033	6.63658	6.67057	6.66656	6.23907	6.2538	6.15941	6.2781	6.19295	6.25003
GHET1	5.26686	2.97605	4.95276	3.91668	4.36498	2.99117	3.0573	5.32306	1.87545	5.37008	3.99549	4.6561	5.24301	5.08103	2.26702	4.31542
GHITM	9.23884	9.76707	9.83943	9.70215	9.24484	9.58912	9.30096	9.82345	9.89772	9.89772	9.67513	9.70215	9.25237	9.77798	9.7337	9.45311
GHR	5.95067	5.26572	5.69472	5.18956	7.689	7.22267	4.88202	4.99236	7.3737	6.99294	5.08582	6.22183	6.63787	4.84227	7.91099	8.59875
GHRH	5.76238	4.91088	5.89711	5.76588	5.28004	5.81943	5.73173	6.60546	6.01991	4.87162	6.35993	6.44753	5.61969	4.82974	6.02949	5.36439
GHRHR	3.56885	3.37183	3.12819	3.01133	3.5613	3.90025	4.03381	4.62832	4.44124	3.14542	3.80647	4.23681	3.25894	3.46973	3.22069	3.56848
GHRL	4.5782	4.41965	5.25377	4.467	4.27841	4.50847	4.83468	5.12034	4.77693	4.41586	5.08498	5.28056	5.1641	4.67307	5.05202	4.4478
GHRLOS	5.70866	5.39747	5.46303	6.15777	5.58948	5.57001	5.54288	5.7065	4.87152	5.32055	4.9186	5.73584	5.65844	5.90795	4.63246	4.97408
GHSR	2.90919	3.56983	3.99461	3.82047	3.43472	3.78089	3.75654	3.71281	3.75099	4.0649	3.70752	3.69873	3.87225	3.55559	4.34574	4.03129
GID4	4.64822	5.92694	6.18149	5.92461	5.89565	6.0757	4.51459	6.48524	6.06636	5.22694	6.37023	6.29983	6.63846	5.00482	4.92858	5.08944
GID8	8.56369	8.46688	8.50367	8.32089	9.09718	8.31171	8.42938	8.31415	8.21596	8.35203	8.234	8.40497	8.43657	8.68521	8.61181	8.66383
GIF	6.31688	6.20259	6.44881	6.47821	6.28785	6.30883	6.31242	5.93974	5.97794	5.6662	5.99244	5.38936	6.53078	5.95153	5.92996	6.7985
GIGYF1	4.2803	4.22313	4.17056	3.85278	3.98985	4.81941	4.61825	3.85069	4.54726	5.04828	3.96867	3.76885	4.63031	4.03976	4.57473	4.37083
GIGYF2	6.48293	6.21776	6.04073	6.44039	6.61079	6.39658	5.92197	6.67853	6.57748	6.63642	6.72765	5.90723	6.88337	6.55362	6.91031	6.54861
GIMAP1	6.99217	8.01932	8.42097	8.49069	7.46816	8.01802	6.14001	7.52444	7.93728	7.35004	7.7715	8.24244	7.18371	6.72362	7.31898	7.24701
GIMAP2	7.432	8.84532	9.66243	9.80267	8.9068	9.4367	8.56006	9.29297	8.62832	6.65341	9.1574	8.73934	9.50744	8.38085	9.16963	8.94549
GIMAP4	5.64699	7.19916	7.20216	8.44583	7.14827	7.85449	5.17316	6.87168	7.26814	5.34869	8.50291	7.65851	7.72117	6.621	7.34509	6.24261
GIMAP6	6.18679	7.59795	8.08992	8.32414	7.51214	8.13873	6.37023	7.65921	7.50897	5.47877	8.34712	7.893	7.32389	5.89446	7.02957	7.22377
GIMAP7	8.2869	9.5293	10.6233	10.6304	9.85111	9.76219	8.6216	9.79359	9.63482	8.20307	10.1183	9.54241	8.96842	7.26326	9.55408	9.62785
GIMAP8	4.46802	5.22546	6.04735	4.60801	5.5628	6.47024	4.67154	6.11917	5.78381	5.40235	6.17178	5.37804	4.39244	4.44851	5.16659	4.94318
GIN1	5.35829	6.3778	6.32085	6.02581	6.33721	6.49982	6.0376	6.65074	6.54516	5.7127	6.77245	5.92197	6.67956	6.0156	5.71666	6.39148
GINM1	7.0242	7.46455	7.40895	7.42962	7.31545	6.97145	5.68863	6.42187	7.44816	7.42028	7.11301	7.78682	7.69268	7.09976	6.99419	7.38059
GINS1	6.26131	7.49844	7.44394	6.50618	8.48075	8.21161	8.64334	8.20866	8.37003	6.48123	8.95696	7.43953	8.28887	8.32213	7.80696	8.00126
GINS2	5.56655	5.95281	5.60091	6.30457	6.58025	6.24176	5.82616	6.51546	6.77516	6.02692	7.12636	7.12714	6.72599	7.26915	6.73005	6.98738
GINS3	6.61056	5.58559	6.53612	5.30361	7.13978	6.54781	6.96582	7.5985	7.05429	6.27038	7.30736	7.25522	7.34936	7.14679	6.86998	7.26291

GINS4	4.79259	4.6913	4.4524	5.05869	4.64969	5.20037	5.86075	5.74832	4.10225	4.33153	5.0651	5.6104	5.60407	5.00206	5.50616	4.99435
GIP	6.91919	4.28339	3.97055	3.97955	5.70072	4.0956	6.05296	5.59748	3.79382	4.23056	5.7354	3.97679	6.13014	6.10997	5.8491	5.88049
GIPC1	7.62153	8.37711	7.24729	7.44046	7.45844	7.85291	8.73206	7.99167	8.40588	8.11962	7.60269	8.00282	7.45055	8.03276	7.43769	7.87079
GIPC2	6.94086	5.31202	5.80045	5.50313	4.80513	4.94577	2.55049	4.7732	5.11873	5.66806	5.30024	4.99899	3.02655	3.56885	3.71992	4.17154
GIPC3	3.98126	5.93713	5.09358	5.63098	5.17863	5.87024	5.23521	6.46131	4.78762	6.34163	5.37027	5.48188	5.23108	4.71298	4.28615	5.93594
GIPR	5.0999	2.90619	3.50136	3.53272	2.93245	3.21781	3.67897	3.42552	3.57935	4.02891	3.49866	3.56819	3.32776	3.88198	3.22089	3.32575
GIT1	7.57865	7.78837	7.55949	7.65726	7.33274	7.44071	7.49156	7.57572	7.68633	7.38957	7.38917	7.7785	8.02678	7.66855	7.32622	7.51264
GIT2	3.89133	4.27232	3.7815	4.74392	4.78444	4.28137	3.59882	4.86187	4.34089	3.77739	4.93822	3.77739	4.24374	4.09547	4.3801	3.38887
GJA1	6.71574	7.87296	10.3228	7.64471	11.1275	10.3951	9.49038	8.83304	9.57938	8.74609	9.35952	8.45287	10.552	8.83123	9.89488	9.43955
GJA10	3.52524	5.05059	4.43529	4.25955	3.44117	4.25611	3.70182	4.84732	3.35168	4.28394	3.94748	2.93048	3.69964	3.54384	4.70756	4.61957
GJA3	4.51377	4.99415	5.09309	5.32082	5.57083	4.22487	6.21843	5.9431	5.86754	4.05144	5.74373	4.29854	5.33521	4.98359	4.91361	5.63906
GJA4	5.89602	4.01153	7.03517	5.27149	3.02293	5.63513	5.04804	4.30115	5.62008	5.64043	5.67523	6.41469	4.91834	5.77863	3.80732	3.58121
GJA5	3.76249	1.92423	4.48935	3.78894	2.88387	4.49714	4.19827	2.92162	3.03524	4.68245	3.91094	4.01138	3.53699	4.15015	3.93627	1.78986
GJA8	3.19594	3.13884	4.37989	3.31099	3.26091	3.63988	4.73921	3.37974	4.90488	3.50939	3.47644	4.03926	3.47767	3.07586	3.44194	4.40686
GJB1	5.58309	5.19457	5.95014	6.35955	6.18068	5.87276	6.04417	7.13257	6.34674	7.46163	4.49355	5.9736	5.4874	5.05216	6.89847	5.45816
GJB2	7.46909	8.32756	7.08446	6.95066	8.055	5.96359	8.36194	7.8567	9.06063	7.24395	10.5482	6.23645	7.1947	7.60958	7.42821	7.9767
GJB3	5.51248	5.23405	4.91361	5.28699	6.73791	4.03299	6.72205	5.95929	5.63541	4.58067	5.29579	5.90489	6.35285	7.28627	5.58285	6.1194
GJB4	4.24384	4.46162	4.28111	3.30112	4.24079	3.79752	3.65785	4.67765	3.60923	3.93408	3.76737	4.67459	4.4772	3.68528	3.72694	4.49636
GJB5	3.36587	3.72982	3.58903	4.51263	7.12499	4.17971	6.05868	2.81438	4.19706	3.05259	4.03549	5.66243	4.77152	7.93959	4.04773	4.99162
GJB6	3.38024	3.21812	1.4899	2.36312	1.64332	1.73976	4.37306	2.23712	2.93758	1.15042	8.83036	2.48941	1.82475	1.1104	1.70284	1.58847
GJC1	3.25646	3.9012	4.39937	4.08195	3.68721	3.93204	4.23895	4.28228	3.66359	3.90824	4.09979	3.74908	3.33011	4.14676	3.84226	2.9749
GJC2	3.6454	3.84066	3.68721	3.52053	2.75431	2.98436	2.80925	3.07311	3.03017	3.27868	3.8062	3.65202	3.16845	3.28832	3.73135	4.04638
GJD2	5.79997	7.11621	7.67098	7.09535	6.50348	6.76962	7.10858	6.93102	7.3188	6.95742	6.91562	7.39033	6.77456	7.06389	6.6672	6.54712
GJD3	5.98895	6.25061	5.65752	5.83395	5.01477	5.15216	6.04558	5.94177	5.90975	5.30623	5.35171	5.75079	5.7941	5.8578	6.25165	5.90098
GJD4	3.38024	3.61956	3.79811	4.0617	3.9057	3.68688	3.91631	3.31083	3.17124	4.06894	3.82034	3.58989	3.82075	4.17756	4.06086	3.76737
GK	4.73428	4.92341	3.80894	3.99397	4.66895	3.91554	4.31542	3.68482	5.27686	3.5809	7.27347	2.28582	5.39339	3.85675	3.7469	4.13219
GK2	6.4856	6.58914	7.02558	6.96626	6.47439	6.93816	7.03703	7.20142	6.80975	6.68558	6.57346	6.78548	6.80553	7.06389	6.51937	7.08439
GK3P	4.42363	2.18884	2.39414	2.31308	2.21727	2.24655	1.43866	2.30474	4.34561	2.69205	6.67287	1.19537	2.31554	2.16332	2.56931	2.22886
GK5	6.73406	5.77227	5.5278	5.49545	6.04611	5.02563	5.76497	5.02068	5.03203	6.34639	5.36831	4.62158	4.97018	4.25052	5.48246	5.48589
GKAP1	5.35416	4.72596	5.48482	5.40376	4.5224	5.28736	5.55737	4.68029	5.59384	4.82868	4.1681	5.29579	5.49051	4.48323	5.21352	4.96487
GKN1	2.13523	1.16965	1.68451	0.90097	1.48455	0.89896	1.43866	0.88665	2.50218	1.43866	2.43603	2.10229	0.76448	1.21564	0.80062	0.9183
GKN2	6.0458	6.47034	5.1832	6.76687	6.72689	6.23022	7.10564	7.62165	6.29094	6.15194	6.57691	5.53516	6.69995	5.54389	7.36361	5.302
GLA	8.19126	7.74091	8.70076	8.24872	8.59839	8.42412	9.57128	9.08827	9.66243	8.20591	9.3856	8.86928	9.18875	8.70926	8.70566	8.16578
GLB1L	7.73257	7.06332	6.42265	6.16304	6.50763	6.43214	6.6686	7.08284	6.56249	6.59663	6.55543	7.64894	6.39471	6.80143	7.00857	6.96411
GLB1L2	4.25043	3.71942	3.88236	5.16352	3.50802	3.52398	3.99724	4.32501	4.21488	6.48629	4.10776	4.27983	3.32016	6.01669	4.13924	4.38335

GLB1L3	5.67141	5.10609	5.662	4.46366	3.91364	5.0413	4.10127	5.81987	5.64095	6.23544	5.17622	4.36722	4.16233	3.94624	4.44222	5.40444
GLCCI1	4.80498	5.17777	5.79149	5.15954	4.92829	5.16136	5.05781	5.54441	5.30238	4.822	5.43429	5.62032	4.99435	4.66192	5.12455	4.70357
GLCE	7.77899	6.93096	7.18865	6.67504	8.39534	8.73206	8.34166	6.79295	6.51329	7.57891	6.23752	5.72434	7.16353	7.99903	8.12204	8.47282
GLDC	5.33688	5.60298	4.79814	6.44845	5.5274	5.48731	4.20319	5.04974	6.43335	6.70502	7.94402	6.29102	6.58002	6.01669	6.07014	4.22871
GLDN	5.81102	5.93008	5.02185	5.52355	5.4513	5.54991	6.29809	6.74597	5.60753	6.0218	6.17476	6.64978	6.14323	5.94405	5.81398	5.92492
GLE1	5.33145	6.36267	5.70437	5.22673	6.51834	6.49883	5.73322	5.94284	6.52948	6.42365	6.61672	6.43854	5.12987	6.22315	6.34863	5.66519
GLG1	7.91786	7.06708	7.89821	7.50417	7.19487	6.69284	6.81974	6.53487	7.41725	7.52731	7.40094	8.00923	7.04132	7.31427	6.72553	7.05429
GLI1	3.80647	6.13367	4.07133	5.37588	5.23646	5.69627	2.58845	5.92496	5.52164	5.30184	5.19042	4.70518	4.49101	4.87322	4.46357	5.77838
GLI2	5.82442	5.33971	5.96974	4.9146	4.86304	5.82328	5.9336	6.1757	5.40591	5.09394	5.27655	5.53181	5.09175	5.74889	5.9052	5.5025
GLI3	4.6016	3.96967	4.67307	4.60099	4.47294	5.07061	5.44452	4.68584	5.20976	4.70118	4.73108	4.44205	4.57882	5.4439	5.29804	3.84298
GLI4	2.25559	2.20742	1.28186	1.82475	2.16388	1.44194	1.88669	1.00279	2.24074	2.10224	1.45473	2.03052	1.37571	1.07116	1.87023	2.21132
GLIDR	7.74644	7.78404	8.05165	8.12039	8.8144	8.32521	8.27937	8.39657	8.41642	8.82696	7.4647	8.14058	7.74368	7.3928	8.05986	8.39449
GLIPR1	6.00213	7.64214	7.77298	7.47229	6.49013	7.66727	5.96999	7.4234	6.73545	6.43039	7.10241	7.42907	7.25499	6.04684	7.27077	6.91486
GLIPR1L	6.08121	6.00448	5.55069	4.82178	5.84059	6.18539	4.71726	6.47461	5.53587	5.65616	5.54563	5.8691	5.56267	6.37445	5.71939	5.88618
GLIPR2	7.95951	7.65586	7.5148	7.79416	7.01967	7.59042	6.14323	6.32382	7.92999	7.26259	8.19193	7.93728	7.8749	6.7287	6.96941	7.03897
GLIS1	5.68319	6.04156	5.99607	5.64455	6.40928	6.27134	6.40146	6.70297	6.12181	7.11301	6.16296	6.46771	5.23232	6.36077	6.17628	5.93552
GLIS2	6.39199	6.45994	6.57513	6.57137	5.0626	7.07251	6.42527	6.46239	6.48855	7.34834	6.853	5.03733	5.15588	6.31164	3.95895	4.25148
GLIS3	7.52217	5.22506	4.75199	7.11366	4.32878	4.73125	3.61309	2.85667	3.43307	4.67215	3.39966	4.25526	7.53449	2.81309	5.98219	6.9718
GLIS3-AS	3.29685	3.33539	3.14177	2.77414	3.2065	3.27349	4.86471	3.32868	2.92006	3.31009	3.21922	3.4402	3.32016	3.19708	3.34075	3.58879
GLMN	6.50689	6.93406	7.33712	6.95994	8.32463	7.18732	7.25184	7.64799	7.25884	7.39856	7.31475	7.5305	7.57212	6.64649	7.12958	7.59141
GLO1	9.64158	9.90043	8.99781	9.27564	10.6549	9.14993	10.2825	9.67089	9.77389	10.167	9.80516	9.67862	10.2886	9.83438	10.7308	10.1952
GLOD4	9.1574	9.0751	9.10177	8.86407	8.98405	8.69776	7.80998	9.00781	8.48102	9.04808	8.71998	8.57084	9.04381	8.90271	9.06063	8.40249
GLOD5	1.82636	3.00175	2.01376	2.51538	1.57334	1.83717	1.77186	2.54861	3.08134	2.17298	2.39894	2.11663	2.67587	2.69383	2.58537	2.85667
GLP1R	4.84587	5.08995	4.87712	4.34957	4.71215	4.96515	4.7761	5.06585	4.7795	5.1686	4.4764	4.8766	4.64364	4.83812	4.89718	4.9034
GLP2R	1.54854	1.35876	2.14348	2.40724	2.61273	2.15563	1.49083	2.55884	2.43603	1.35594	2.01441	1.44837	1.82475	1.92414	1.74155	2.65953
GLRA1	6.27322	3.06378	4.56634	5.4066	5.24068	5.26854	5.06115	4.99236	5.57542	5.6242	3.73917	4.42289	5.80193	4.72155	4.16718	5.14578
GLRA2	4.98776	5.45949	4.01284	5.0822	4.38405	3.95264	5.22236	4.51056	5.33811	4.60176	5.01746	5.56798	4.0405	4.28324	5.46222	4.51207
GLRA3	1.47813	3.34075	2.36764	3.22812	2.86196	3.11174	1.96883	3.54653	3.50551	3.1937	3.03103	2.47844	3.39363	3.85906	2.13523	2.44603
GLRB	5.23042	4.0032	5.28004	4.40931	3.41518	4.59114	4.46303	3.44491	3.75986	5.72572	3.99858	3.39966	3.15288	3.42681	3.11234	3.90701
GLRX	9.14549	9.64485	10.269	9.90936	8.93763	9.05155	7.70063	9.79789	8.95622	9.18711	9.40267	9.33845	9.70398	8.56669	8.99832	8.94789
GLRX2	8.40462	9.20992	9.2421	9.30638	9.44929	9.34899	9.22523	9.66114	9.54867	8.71838	9.99653	9.89971	9.65751	9.06178	9.14447	9.38269
GLRX3	6.32349	6.68773	6.51929	6.61924	6.83112	6.82394	6.93706	6.84206	7.00801	5.88563	6.8502	6.55586	6.88265	7.26259	7.26714	6.73391
GLRX5	8.76627	9.55257	8.92427	9.32624	8.81664	8.30594	8.4499	9.50261	9.53788	9.14736	9.48779	9.90653	10.0518	8.30791	8.98841	9.0105
GLS	5.68265	6.32129	6.0709	6.55182	6.4803	6.07868	6.43406	6.74298	5.66158	5.89223	6.55182	5.96423	6.04073	6.19859	6.36684	6.7248
GLS2	3.48084	3.22488	1.16395	3.01001	2.70047	1.87883	3.51167	1.88334	2.27904	2.06712	1.24246	3.53699	2.06712	4.55237	2.03052	1.87732

GLT1D1	5.84574	6.26802	6.22069	5.55949	6.32149	6.86866	5.94126	7.45122	5.67968	4.91332	7.05131	6.62819	5.88405	4.66808	6.13276	6.21741
GLT8D1	8.94345	8.10309	8.14751	8.35614	8.14909	7.9954	6.77193	8.61036	7.8025	8.17965	7.79926	8.00348	7.67624	7.75127	8.35528	8.37525
GLT8D2	5.979	5.14162	7.21316	6.06247	6.48183	6.44143	5.05722	7.07497	5.66433	7.44642	6.9764	7.05868	5.24413	5.43256	6.9667	6.11635
GLTP	9.21274	8.68624	8.49421	8.51154	8.83871	8.83871	9.8453	9.00592	9.12237	8.5569	8.82891	8.43956	8.74249	9.2812	9.02691	8.59959
GLTPD2	1.60375	2.01809	2.39414	3.00618	2.02496	2.76484	1.43866	3.31083	1.18021	2.85867	3.79556	1.59868	1.53958	2.48051	2.34348	2.19188
GLTSCR	6.48178	7.50417	7.56758	7.21923	7.49457	7.42635	6.77286	6.9154	6.61221	6.59438	7.25783	8.11615	6.57244	7.0572	6.92827	6.7284
GLTSCR	5.91883	6.74418	7.02599	6.30248	6.73498	6.51464	5.83348	6.69783	6.8423	6.81149	6.42177	6.01381	6.48056	5.67833	6.83876	6.38382
GLTSCR	3.93705	5.73502	4.19503	4.49557	5.47507	3.78772	3.73393	5.78152	4.67119	4.35645	5.66548	3.79097	3.61424	4.69923	4.87237	3.85415
GLUD1	7.72534	7.57931	7.41939	7.22016	7.5383	7.13144	5.97509	7.44642	7.60892	7.97435	7.90591	7.13836	6.49835	6.86006	7.3928	7.34612
GLUD2	4.47779	5.32281	4.95395	5.18553	4.86169	3.5152	5.38571	5.33796	3.92788	5.43189	4.0856	5.16345	3.89931	5.30469	4.6393	5.22581
GLUL	9.39515	8.76701	8.59276	8.41922	8.33735	7.65586	7.76581	8.51154	9.4206	8.42443	9.99925	8.61369	8.67259	7.93038	8.15045	7.93251
GLYAT	4.59043	5.24833	5.40648	5.47877	5.04565	5.08766	4.81793	5.18445	4.65655	5.29011	5.1517	4.4917	5.23969	4.66353	5.03733	4.8636
GLYATL	4.34203	5.05059	3.81806	4.88519	2.71531	5.22231	5.43734	4.80693	3.78033	3.98113	1.48752	3.22488	4.57269	2.65463	4.70756	3.75027
GLYATL	5.60724	5.16804	6.31563	7.05931	5.96577	6.22008	6.21098	6.13935	6.41963	8.26602	4.97185	6.22183	7.92703	5.98436	6.36505	5.89474
GLYCTK	5.91387	5.50657	5.54991	5.24175	5.41144	5.30804	5.08048	5.74749	6.17343	5.88796	6.2605	5.79533	5.76203	4.52512	5.43864	4.83215
GLYCTK	5.878	5.90386	6.25094	5.92848	5.73276	6.25512	6.27821	6.83673	4.44708	6.32441	5.94573	6.21882	5.82023	6.38946	5.77681	5.73413
GLYR1	4.63367	4.93512	5.03438	4.9958	5.49373	5.24647	4.24792	5.20817	5.51152	4.98334	5.7174	4.59755	4.75618	5.64598	4.87936	4.60842
GM2A	5.91616	6.72646	6.40159	6.73855	6.61138	6.52623	6.83168	7.05162	7.77962	6.45163	7.5148	6.30147	7.12946	6.52589	6.26067	6.60987
GMCL1	6.83389	6.55342	6.5681	6.86618	6.83587	7.46153	7.40154	6.94902	6.41224	6.32509	7.38227	6.53227	7.40779	7.0163	7.11301	7.30897
GMDS	6.83089	6.92002	6.81306	7.29993	5.98807	5.84978	5.03965	6.04035	5.58335	7.69946	6.49499	6.45026	5.33329	5.85558	5.54137	6.02213
GMEB1	5.80097	6.35004	5.37281	6.18247	5.9283	5.44452	6.40411	6.16838	5.98373	5.1034	6.04977	5.72647	5.59669	5.46664	5.50521	5.76497
GMEB2	5.23625	5.56798	5.04051	6.37043	6.82452	5.62694	5.29401	5.01495	5.12168	4.49472	5.46554	5.76297	5.02791	5.47559	6.22411	5.06568
GMFB	8.87147	9.35677	9.23091	9.20378	10.1334	9.67862	9.21728	10.1842	9.14959	8.99254	9.66375	9.28755	10.3157	9.14959	9.60515	9.80516
GMFG	7.63559	9.47426	8.87752	9.96379	8.5017	9.22973	7.13821	9.44403	8.94645	6.98234	9.36239	8.89238	8.68947	7.36816	8.76808	8.46622
GMIP	5.49559	6.47506	6.02244	5.99244	6.11453	6.27556	6.01722	7.03381	5.97293	5.70847	6.67871	6.96795	5.99118	6.33105	5.90076	5.95207
GML	5.4792	3.58335	4.97788	5.74926	4.73152	4.54584	2.83966	4.60422	4.28832	5.2535	4.81291	5.8373	6.0009	4.56553	5.1794	5.94393
GMNC	2.93125	4.70756	2.52296	5.25816	3.76997	2.45459	2.98815	3.19037	5.18657	3.05259	5.45613	5.76939	4.96673	4.46371	6.12774	4.81692
GMNN	8.11898	8.97278	8.83006	8.23325	10.4519	9.4421	9.88728	10.4698	9.78666	8.36895	10.3343	9.64884	10.398	10.0472	9.74251	10.0354
GMPPA	6.19203	6.27208	6.46024	5.81304	6.06373	6.39244	6.82543	6.59641	6.94359	6.18035	5.91691	7.45515	5.11909	6.56531	5.71939	5.87771
GMPR	6.68292	6.25129	5.0859	7.04441	5.76268	3.99858	5.13757	6.32223	4.65881	6.53737	6.08743	5.93911	4.58588	6.24787	5.4513	5.76606
GMPR2	8.5557	8.5278	8.32958	8.57847	8.39162	8.44895	7.07159	7.44928	8.78035	8.67112	8.41335	9.18179	8.51154	7.76459	7.17859	7.91603
GMPS	7.20013	7.06066	7.46174	6.93357	8.13446	7.74315	8.1354	7.82655	7.54029	7.69696	7.57423	6.75115	6.91907	7.57423	8.03137	7.93861
GNA11	8.04125	7.30705	6.76064	6.97577	7.0195	7.14383	6.90726	6.12395	6.65436	7.82614	6.42722	7.32487	6.92098	7.63411	7.30789	6.59531
GNA12	7.17603	8.037	8.09594	7.82787	8.0775	8.18597	8.11688	7.88283	8.40309	7.84726	7.95813	8.19449	7.63045	8.36277	8.80719	7.86759
GNA13	7.22255	7.88149	7.70723	7.70306	7.78404	7.71422	7.68663	7.47282	7.61185	7.4767	8.21557	6.52829	7.23624	8.11404	8.42443	7.75767

GNA14	7.0099	5.64923	5.30102	6.88573	4.63208	4.81438	3.61254	5.62395	6.10345	5.23292	5.02465	4.68708	4.20101	5.0084	4.71235	4.48738
GNA14-A	6.84893	6.31526	6.69284	5.73742	5.96744	6.93141	6.15008	6.29126	5.91108	6.12881	5.93047	6.18309	6.56658	6.79295	5.85223	6.09972
GNA15	8.98841	9.12668	8.56598	8.19936	8.04543	9.07558	9.48636	7.63497	8.47426	7.98012	9.47585	9.10034	10.1606	9.32537	8.82789	8.8088
GNAI1	8.60967	8.33093	8.07912	7.57786	7.85291	8.02346	7.77398	7.4647	7.62491	8.29921	8.53555	7.44372	8.26476	7.62252	9.13069	8.4084
GNAI2	7.30694	7.51793	7.74423	7.6652	5.50938	6.86307	6.77286	7.04207	7.74423	6.27668	7.42042	7.66772	7.44838	5.879	7.31217	5.5865
GNAI3	7.65686	7.84024	8.22674	7.94154	8.16792	8.01042	7.69724	7.89821	8.14844	7.69452	8.99071	7.84068	8.34076	7.48299	7.86622	7.92161
GNAL	6.44252	5.41414	5.76416	6.57373	4.59535	4.93197	5.18934	3.99858	5.46303	4.48551	4.44493	5.45244	4.59565	5.15007	4.34817	4.15015
GNAO1	5.8566	5.38297	6.55362	6.48637	6.11067	6.39062	6.04035	5.9206	6.10669	5.95685	5.48379	6.41038	6.20404	6.27377	6.67044	6.15307
GNAQ	7.11463	6.53972	6.87431	6.43173	6.50605	6.45064	6.50736	6.43519	7.10271	7.72798	6.77322	5.7529	6.23706	6.06212	7.1301	7.16569
GNAS	8.33456	8.03892	8.36393	8.20643	7.65295	8.03892	8.07429	7.99341	8.15803	8.84421	7.81498	8.25461	8.10456	7.77471	8.02382	7.85197
GNAS-AS	2.77283	5.10307	3.02585	2.67969	2.85371	2.51251	5.1554	5.5188	2.79078	3.18735	4.37803	3.69374	2.17097	3.60186	3.38625	3.71736
GNAT1	2.57571	4.21576	2.1617	2.15894	2.91008	2.92647	3.56161	3.12164	3.0115	3.56676	1.65518	1.684	2.97525	2.17949	3.31095	3.91868
GNAT2	3.06503	2.81246	3.55864	2.77414	2.55772	2.91286	3.08298	3.31083	3.13363	2.38782	2.70123	3.29115	2.83935	2.22838	3.61218	2.01298
GNAT3	4.6416	5.04076	5.48407	4.94042	5.46952	5.78654	5.88924	5.25678	5.25797	5.65267	5.57038	5.41625	5.06106	5.71685	5.16259	4.82236
GNAZ	4.67215	4.21854	3.807	5.4066	4.80222	6.84737	5.49535	4.92065	5.13395	5.68695	5.62509	5.97829	6.47236	4.87322	6.49715	6.01704
GNB1	7.95894	8.09094	8.34898	8.21397	7.82787	7.98956	7.77339	7.10409	8.137	8.19104	8.52332	8.02883	8.34898	8.15863	7.83054	7.77899
GNB1L	5.01078	5.52702	5.23875	3.95124	4.53328	5.50079	5.14147	4.50648	5.16906	4.91574	5.68176	6.44616	5.46928	5.85541	5.61166	5.4486
GNB2	8.12481	7.70081	7.74052	8.00978	7.02785	7.38837	6.48329	6.70518	7.03332	7.28032	7.77708	7.25934	7.08341	8.16838	7.17292	7.71541
GNB3	3.61236	2.8813	2.68367	2.73925	2.97095	2.79576	3.44209	2.55884	2.67969	2.63576	2.90046	2.63249	3.34323	2.97219	2.81201	3.38208
GNB4	5.83323	5.30569	6.42499	6.2778	5.95799	5.59734	5.13629	6.18149	6.00906	5.64797	6.95513	6.20677	5.6286	5.26512	6.27509	6.0519
GNB5	4.67533	5.62444	5.13157	5.58353	5.7047	5.45508	5.13097	4.82733	4.97329	4.81876	5.09944	5.36964	5.09271	4.9146	5.52025	4.60972
GNE	8.20911	8.35203	8.10472	7.91573	7.02408	7.74071	7.62791	7.64799	7.5305	8.98841	7.61626	6.42535	6.7865	7.09122	6.73599	6.6441
GNG10	10.5573	10.1917	11.2278	10.2257	10.0342	10.552	9.83596	10.2928	10.6932	10.2825	10.9503	10.4698	10.5398	9.23779	10.6233	10.3441
GNG11	6.04656	7.04276	7.66135	6.86998	6.41737	6.54284	6.54702	7.40302	5.89737	7.29287	7.34748	6.83775	5.27758	6.43533	6.56002	5.29702
GNG12	5.75808	5.68517	5.77304	5.8076	6.34082	5.93792	6.35794	5.65506	5.56628	5.9392	5.9025	5.54936	5.93055	5.84809	6.16644	6.02637
GNG13	2.55807	4.76112	4.10455	2.38778	3.29261	2.78532	3.03237	2.13755	2.64558	4.85694	4.99562	4.78986	2.7752	2.74868	4.19275	2.36473
GNG2	3.81369	4.35308	5.0187	4.49377	4.48511	3.9598	4.19766	4.33027	4.99162	4.06116	4.69958	4.4764	4.5001	4.04407	4.59455	4.26713
GNG3	6.49589	6.69389	7.05884	6.63175	6.30426	6.03493	6.86696	7.19321	7.02591	7.07611	6.9813	6.85982	7.33899	7.06726	7.0977	6.56847
GNG4	4.48882	4.43705	4.19674	4.99636	3.83939	3.24843	4.86906	4.37195	4.3863	4.10524	4.9277	4.06207	3.72831	3.88996	3.68155	4.307
GNG5	9.53098	10.2825	10.0988	10.4448	9.46237	10.6686	9.93225	9.99098	9.8453	9.35677	10.269	10.5154	10.8054	10.1277	9.49763	9.76707
GNG7	6.70784	6.9925	6.41933	6.73798	6.21965	6.16376	4.62397	6.35513	6.98738	6.82106	5.18831	6.9514	6.32945	6.50434	6.09189	5.71141
GNG8	2.83473	2.65522	3.12132	2.98748	3.03309	3.71116	4.06264	3.67908	3.13363	4.03381	3.09709	3.66815	5.4025	2.77311	2.9127	2.69842
GNGT1	2.63482	4.89718	1.13258	2.81334	1.73976	1.53719	4.17685	2.04007	3.40648	3.07203	3.36559	1.91466	3.42036	2.70047	3.00483	2.79166
GNGT2	4.93295	6.62906	6.61723	7.20629	6.45198	6.45214	6.46361	7.13124	7.40742	6.79087	7.42791	7.07381	7.27263	6.81487	7.27047	6.92658
GNL1	6.61966	6.75189	7.06066	6.87275	6.56002	7.18124	6.80002	6.8648	6.61328	7.14173	6.51384	6.7821	6.81306	6.61529	6.58303	6.27228

GNL2	8.44123	8.08028	8.61511	8.36242	9.13461	8.15382	9.42873	9.49577	7.87691	8.76701	8.37894	8.73001	8.12177	9.25237	9.11939	9.00286
GNL3	5.878	5.92053	5.80344	5.23593	5.71666	5.8691	6.68737	6.31611	5.93654	6.66656	5.96744	6.15572	3.7479	6.55263	6.38003	6.42316
GNL3L	4.8875	4.25636	4.41586	4.54667	4.80436	4.94105	4.83281	4.41255	4.53679	4.65395	4.65451	3.94952	4.66867	4.52134	4.41381	4.64174
GNLY	5.10043	5.84153	6.71592	5.87024	7.06066	7.02213	7.99341	9.63723	7.38533	4.38559	8.2438	8.94789	8.62008	7.64835	6.53633	7.33012
GNMT	6.13872	6.63378	6.26147	6.32966	6.46001	6.03493	5.47555	5.93603	5.47909	7.41612	5.33393	6.33721	5.96738	5.94115	5.97378	6.21864
GNN	2.25844	3.23662	3.12738	3.09072	2.24458	4.75823	3.69259	4.55715	2.4562	3.42322	3.22812	3.02373	3.59749	4.34957	3.1965	4.06073
GNPAT	8.4383	8.05165	8.14844	8.03892	9.04465	9.02909	9.32087	9.83745	9.26078	8.90934	8.82789	8.57946	9.09718	8.81129	9.49437	9.36239
GNPDA1	8.75206	9.02909	9.03052	8.89283	8.88247	9.49286	9.3245	9.4359	9.51816	8.46911	8.8262	9.17193	9.27986	9.43414	9.53098	9.53631
GNPDA2	5.59803	6.51218	6.82158	6.99261	6.36168	6.83848	5.8975	3.43351	2.31622	6.10884	6.24413	5.50994	6.28889	5.30223	6.56511	7.45961
GNPNAT	7.97302	7.75483	7.7232	7.74542	8.79229	7.60365	8.13823	8.80081	8.13742	9.07866	8.44434	7.39935	8.16376	7.62683	7.2551	7.91901
GNPTAB	6.98769	7.38774	7.00217	7.37495	7.46989	6.9079	7.20429	7.3591	7.08637	7.81452	6.39707	7.40259	7.41297	6.81566	6.82429	6.65267
GNPTG	7.10829	7.30897	7.67387	8.19449	7.91786	7.87161	7.14362	7.50734	7.24729	8.13469	7.38264	8.30556	7.47799	7.85291	7.94631	7.58523
GNRH1	5.73055	4.63626	5.53761	5.53079	5.6454	4.49249	5.61854	4.87023	5.69563	4.91034	5.77721	4.68622	3.62493	4.47992	5.32334	5.3608
GNRH2	2.98506	2.59102	2.79272	3.53793	2.83544	1.81697	3.29192	2.34717	3.78033	2.12186	1.82109	3.41704	3.60262	2.86263	2.67357	2.96003
GNRHR	4.59647	5.16906	4.38855	4.60697	4.40116	4.3717	4.56413	4.43688	4.74829	4.4879	4.85621	4.51886	4.54584	3.75226	4.66701	4.25647
GNRHR2	5.41746	5.56894	3.19256	2.83422	3.27783	4.61747	5.2563	3.91364	4.36917	3.47656	3.40575	3.77334	4.95044	5.08103	4.62974	4.89233
GNS	7.36129	7.02299	7.47174	7.12946	7.16929	7.4234	7.05524	7.44541	8.71998	7.29064	8.49885	7.36696	7.5578	7.10661	6.98107	6.8177
GOLGA1	6.8537	6.32189	7.2954	6.22601	7.28432	6.62914	5.99968	6.81286	7.35274	6.97076	6.97788	6.45355	7.01562	6.09131	7.40094	6.77516
GOLGA2	5.92	4.88265	5.30268	4.71408	4.88552	4.96208	4.80703	5.33068	5.03667	5.46507	5.07507	5.08995	4.64127	5.01511	4.81967	4.79002
GOLGA2	6.62173	6.12575	5.71324	5.0094	5.04513	5.61919	5.07199	5.54883	5.05621	6.61706	4.91481	5.99473	6.0385	4.88894	5.37568	3.96715
GOLGA3	7.11075	6.47337	7.07329	7.15229	6.98862	7.1549	6.98687	7.37167	7.06373	7.06373	7.16101	7.56562	7.20717	7.25982	7.25476	5.75101
GOLGA4	7.5063	7.14746	7.72596	7.59643	7.23877	7.29669	6.73391	7.22049	6.90487	7.8819	7.66822	6.57234	7.05272	6.87156	7.03381	7.50665
GOLGA5	7.88701	8.49992	8.2149	7.96038	8.48329	7.78353	8.16124	7.76286	8.42897	9.04465	8.18179	7.82787	8.40309	8.06888	8.01515	8.2214
GOLGA6	1.37327	1.88256	1.59211	1.33008	0.90941	1.78116	1.80024	2.07548	4.35456	1.49394	1.36661	2.75185	2.81611	2.09344	1.1668	0.48337
GOLGA6	3.04535	4.73279	4.96769	2.73925	4.45424	3.68688	2.75954	5.1344	3.35168	4.22052	3.08532	3.3015	3.55868	3.79618	3.64338	4.45493
GOLGA6	3.99584	6.23481	3.40102	3.89582	2.53024	3.28947	3.18384	6.21022	3.5256	2.98998	3.95578	2.94469	3.85528	3.31071	4.53449	4.04867
GOLGA7	8.19393	8.20468	8.56536	8.13158	8.07186	8.45696	8.64669	8.35311	8.20911	7.95868	8.3171	7.77017	8.66567	8.79141	8.44675	8.50367
GOLGA7	2.89649	4.34246	3.34445	4.25955	3.79424	4.19473	4.16867	4.38366	4.12898	4.51316	4.31762	4.3486	3.14193	3.46534	3.43307	4.14722
GOLGA8	8.59782	8.55623	9.31324	8.70701	8.70602	8.37142	8.47257	8.76971	8.18506	9.17299	7.60305	8.2507	7.44712	8.24826	8.54987	8.01367
GOLGA8	10.3045	9.7059	10.389	10.0218	10.1952	10.2145	9.14549	10.1153	9.7449	10.5276	9.10516	9.68239	8.89725	8.64113	10.058	9.56208
GOLGB1	8.38687	8.40792	8.36016	7.98012	8.71012	8.79229	8.35203	8.44632	8.70701	9.19001	7.75274	8.59625	8.35614	8.53336	8.85441	8.22263
GOLIM4	6.05758	5.67943	6.62436	6.18553	6.29719	6.14519	6.48536	5.54484	6.26366	6.31181	6.2716	5.73085	5.8916	5.58285	6.01067	6.21679
GOLM1	7.59417	6.47656	6.27273	6.54319	6.5596	5.95058	6.34408	5.94445	5.7287	7.66483	6.52472	5.53149	5.52355	6.39257	6.58326	6.04166
GOLPH3	9.50261	9.49953	9.67513	9.50874	8.98598	8.98463	8.79808	8.46765	8.62008	9.35525	9.10357	8.18581	9.4267	8.95735	9.80267	9.57128
GOLPH3	8.75873	8.41887	8.66491	8.56785	8.38509	7.89362	7.91831	8.50431	8.50291	8.86149	7.35339	7.64749	7.84068	7.78949	7.91099	8.99114

GOLT1A	6.83608	4.81438	3.50622	3.42644	2.21727	2.88086	4.52964	5.38422	3.09248	4.75793	5.49607	5.15007	1.35312	3.0362	2.56931	2.76844
GOLT1B	7.91573	8.9415	9.52327	8.48462	9.58421	7.70647	8.6025	9.08751	8.94549	8.94422	9.37478	8.11228	8.82517	8.29749	9.02378	8.53336
GON4L	6.71459	6.69	6.75611	6.86317	6.6495	6.53737	7.07198	6.64741	7.05272	6.23856	6.33769	6.34163	6.54916	6.87351	6.88927	6.86908
GOPC	5.84375	6.48148	6.44616	6.32556	6.03446	6.55559	6.642	6.78294	7.15506	6.07029	6.99984	6.70112	6.32627	6.61966	6.01504	6.27556
GORAB	7.78212	7.99279	8.88693	8.22781	9.75903	8.30791	9.64158	8.23555	7.44019	8.02678	8.02883	7.77224	8.74074	9.46371	9.55522	9.62902
GORASP	5.72971	5.91684	5.68335	5.71377	5.97145	5.0758	6.51228	6.12357	5.97667	6.59699	6.61588	5.42389	6.28402	6.13739	6.66158	6.55009
GORASP	9.18179	9.78359	9.79359	9.40713	9.53098	9.93674	9.42357	9.90653	9.90783	10.3833	9.15119	9.78173	9.22273	9.28755	9.64884	9.33546
GOSR1	7.21448	6.2985	7.09188	7.09026	7.24802	6.9723	7.20038	7.01967	7.39608	6.47493	6.76752	6.4299	6.96135	6.85619	7.53123	6.88011
GOSR2	6.20265	6.72148	6.72621	6.37023	6.70305	6.80289	6.66049	6.99097	6.6832	6.84536	6.89922	6.75136	6.43406	6.51364	6.49246	6.59049
GOT1	7.61612	7.79386	7.32914	7.26223	7.1664	7.75932	7.93941	7.98132	7.32487	7.96268	7.87767	7.43769	7.1494	8.15953	7.49082	6.95007
GOT1L1	6.00043	6.08394	6.04759	5.96394	6.1546	4.95106	5.26934	5.81758	5.6532	4.42298	6.08394	6.20038	6.18553	4.8047	4.73969	6.07392
GOT2	8.66491	9.10446	8.78072	8.87558	8.85361	8.61369	7.92217	9.59327	8.51784	9.4267	9.30638	8.44895	9.77946	9.05406	8.65274	9.42515
GP1BA	7.38208	7.88653	7.49883	7.67624	6.83226	7.86759	6.96254	7.48312	8.69069	6.40531	6.68281	7.74695	6.818	6.67107	7.19882	6.60405
GP2	4.74336	5.02637	4.50783	4.60842	4.74277	4.15981	4.82167	4.83778	4.28639	5.78106	4.47148	4.59471	4.21647	4.65582	4.43031	4.65395
GP5	4.70881	5.28829	3.69203	4.18876	4.43135	4.65943	5.56444	4.5785	4.84233	4.28984	4.15309	3.84331	5.51836	3.08671	4.12524	4.01027
GP6	5.52006	4.84572	5.21626	5.99734	5.43993	5.75554	6.32074	4.56358	5.67127	5.75475	4.04954	5.16821	5.7379	6.03045	5.45637	5.40281
GP9	3.87518	2.67513	2.52296	2.69863	2.65839	2.53476	1.98828	3.73495	2.28837	3.53934	2.43603	2.2743	2.68899	2.88516	3.83184	2.16972
GPA33	6.34351	6.00163	6.04001	6.64424	3.81865	3.33634	3.53968	7.0981	4.76618	3.79424	5.28638	6.92808	2.98256	5.50599	3.23099	3.38208
GPAA1	8.17633	7.69278	7.65586	7.55303	7.52638	7.61233	8.37711	8.06928	8.49271	8.16934	7.68546	8.72123	7.83502	7.99341	7.67654	8.03457
GPALPP1	6.3794	5.90014	6.53433	6.68643	6.1209	7.43016	7.02558	6.09755	5.53362	5.53472	6.36055	5.71805	6.15861	6.57	6.984	6.50922
GPAM	5.63327	4.22871	4.86718	4.86142	4.31641	4.85891	3.99376	4.62463	4.28615	5.09944	4.89233	3.86806	4.20556	3.8062	5.19806	4.85179
GPANK1	6.50119	6.30457	5.89763	5.82226	5.65707	5.77186	5.91479	5.96559	6.14674	5.84429	6.21331	6.45868	6.21656	5.79382	5.48559	6.16438
GPAT2	5.85869	6.16288	5.55069	4.2786	4.62281	3.54848	4.08418	3.60236	4.89423	6.52602	3.93173	5.2073	3.40212	4.07659	4.82932	2.79166
GPATCH	5.86933	4.64322	5.22874	4.92187	6.52531	6.05719	4.87555	6.99367	6.57608	1.87612	6.48767	6.40577	5.8273	4.58025	4.60609	6.5943
GPATCH	4.35515	4.92065	4.9796	6.26737	5.75467	5.09612	6.60657	5.90267	6.34327	4.62908	5.5628	4.62955	5.09201	5.06187	5.58637	5.19111
GPATCH	5.61383	5.117	4.69014	5.14709	6.5801	5.35208	5.71731	4.39335	5.22148	5.30913	5.36466	4.58277	5.48041	5.32787	6.38914	5.98394
GPATCH	5.55564	5.56014	5.93403	5.42673	6.25615	6.08337	6.21912	5.07841	5.72807	6.29119	6.06141	4.71852	5.81346	5.77903	6.20951	6.00566
GPATCH	7.1859	7.40541	7.25283	7.59921	6.98675	6.68363	6.9262	6.88989	7.26223	7.18028	7.38734	7.72984	7.26733	7.49863	7.39338	7.05409
GPATCH	5.49373	5.5755	5.66409	5.46528	5.14127	5.878	5.56484	5.64281	5.55578	5.72522	5.82053	5.25952	5.31323	5.67382	5.04924	5.92409
GPATCH	5.83023	5.82134	5.33762	5.0999	5.10335	5.41079	7.14258	5.03262	6.26933	5.19903	5.56005	6.24956	5.8546	5.40317	6.25598	5.08574
GPBAR1	3.29685	3.46411	5.25119	3.42644	2.81309	4.60034	4.97647	3.15288	4.72178	3.26858	6.00277	3.58062	4.34627	6.07557	3.37408	3.91544
GPBP1	9.34263	9.35033	9.44403	9.36777	9.68695	9.46371	9.73065	9.99282	9.81254	9.58912	9.36057	8.23628	9.05155	9.48206	10.0868	9.49763
GPBP1L1	6.96411	6.65718	7.11341	6.815	6.72058	6.96875	7.43659	7.42907	6.28672	6.46194	6.63771	6.66023	7.20891	7.1078	6.79158	6.76694
GPC1	7.13071	6.93041	6.84879	6.96309	7.34773	7.78272	7.65586	6.51946	7.44071	7.17234	6.85804	7.51588	6.92419	7.59595	7.81934	7.47229
GPC2	6.44898	7.76581	7.66453	7.08897	6.48536	7.97022	6.96924	7.0306	7.07769	7.44518	6.63564	7.41612	7.49996	6.14859	6.53216	7.48663

GPC3	5.81578	6.27668	6.29873	5.00322	5.21013	5.66719	5.95993	6.41202	5.8578	6.13632	6.2539	6.46546	6.31936	6.31477	5.21059	5.86584
GPC4	6.84836	7.04694	6.73309	6.61041	6.58244	8.18565	6.64978	6.62374	6.6689	6.63311	5.50032	6.70376	6.62658	6.43593	5.56198	6.14046
GPC5	1.44194	1.44837	1.73976	1.77186	1.20215	1.95254	3.3753	1.51119	1.18021	2.50603	4.50609	1.122	1.82475	0.96901	1.26858	1.70353
GPC6	5.20073	5.85251	6.33721	5.60636	5.94337	6.56975	5.27021	6.65877	5.5537	7.04408	4.4044	5.20796	5.99734	5.89104	6.1383	6.23151
GPCPD1	7.5386	8.2149	7.83845	6.85008	8.20812	7.62364	7.34076	8.10844	8.07286	8.83393	8.76316	7.63318	7.5369	6.98885	7.94154	7.71686
GPD1	3.89439	3.47791	4.41131	4.15183	3.67604	3.465	2.89231	4.21305	3.77609	4.45956	3.77565	4.17704	4.01473	3.59643	3.47903	3.46695
GPD1L	8.42474	8.21932	7.71363	7.66239	6.61027	6.57007	7.02388	6.97901	7.88884	9.18918	7.4535	6.82775	6.25587	7.13305	6.608	7.11159
GPD2	6.35256	5.73685	6.16082	5.29048	6.11602	6.20911	5.85667	5.73146	6.36004	5.95087	6.64633	6.09786	5.54198	6.3009	6.22315	6.35133
GPER1	3.1416	4.01284	4.02241	4.35575	3.86022	3.53998	4.09014	3.16009	3.1449	4.43596	3.45456	4.9186	2.99339	4.14769	4.3226	2.97095
GPHA2	5.35597	3.16637	3.13257	3.08274	3.48434	3.22527	3.08298	2.64349	2.73661	3.09196	2.86424	3.12959	2.94778	3.66246	3.57849	3.16144
GPHB5	4.39937	4.54463	5.65855	5.31891	5.07679	4.85358	3.58877	3.47335	5.73556	5.12708	5.19042	5.79382	5.4025	5.08737	3.76841	4.94543
GPHN	4.60821	4.66635	4.67745	4.33416	4.83417	4.85998	4.28309	4.30999	4.55271	4.34957	4.35094	3.81369	4.4394	4.60121	4.97462	4.978
GPI	8.43605	9.19438	8.25579	8.19276	9.30247	8.17878	8.38448	7.93896	9.30247	9.0861	9.36648	9.47025	9.52199	9.81024	8.93763	9.18613
GPIHBP1	6.50269	6.20572	6.3643	6.10495	5.63906	6.04396	4.98886	6.26758	5.30913	5.76532	5.42908	6.09052	5.07488	6.49246	5.67434	6.74887
GPKOW	6.17842	7.03779	6.98991	6.59503	7.45295	7.21675	7.75576	7.7726	7.55964	6.80229	7.66086	7.44148	6.59548	6.88749	7.25	6.97213
GPLD1	4.31215	4.20101	3.99526	4.59004	4.39141	4.52167	4.82868	4.71298	4.6307	4.71779	3.90348	4.40775	4.42204	4.33243	4.12376	3.98045
GPM6A	5.2507	5.30388	6.32263	6.07557	6.18822	6.43173	4.75137	5.07734	5.68265	5.12383	5.77051	5.5306	5.67655	4.63799	4.69778	6.39959
GPM6B	6.89693	6.26444	7.31853	6.95795	6.70155	7.23024	7.2181	6.44808	6.36178	8.17445	7.96489	6.70802	5.57874	6.54937	7.40067	6.2807
GPN1	8.74637	8.94055	8.45848	8.81092	9.18613	8.54112	9.16731	9.18052	9.1073	8.8242	8.70235	8.52475	9.02815	9.24484	8.9537	9.14677
GPN2	6.9368	7.14209	7.10505	7.12112	7.10108	6.68752	6.68374	6.83501	6.86641	7.26997	6.67336	6.7305	7.54382	7.02326	6.83211	6.81169
GPN3	7.51193	7.79926	8.13823	8.30207	8.8861	8.09183	8.67903	8.77566	8.33216	8.05254	9.13234	8.35528	9.03003	8.86529	8.81989	8.64669
GPNMB	8.0064	8.74907	9.26606	8.28261	9.10246	10.7222	11.3034	8.89192	11.0355	8.51015	9.67664	7.98508	9.82086	10.8808	10.9732	9.27564
GPR1	4.55321	5.67407	5.46755	5.21128	5.80335	5.83799	5.92806	6.44616	5.93318	5.79464	5.94097	4.69025	4.22425	5.34223	5.62022	4.97647
GPR1-AS	4.49101	5.47155	5.73502	4.22106	4.43422	5.48731	4.79031	6.16296	4.88674	5.51424	5.37249	2.83233	4.34627	5.33833	5.11379	4.58777
GPR101	6.12164	6.27768	5.58438	6.45625	5.65877	6.32278	6.46361	6.07842	6.36267	5.75475	5.98777	6.33896	6.54598	6.57417	5.46222	6.09488
GPR107	5.88006	6.17248	6.00991	5.08786	5.51451	6.20531	6.00057	7.1553	6.58567	5.70887	6.44926	5.64861	5.72779	5.87249	6.533	6.31896
GPR110	7.76969	7.5193	6.34219	6.38151	5.30102	4.77186	4.68091	4.83247	6.39865	5.61798	5.96074	5.07199	4.82694	4.50317	3.86925	6.27134
GPR111	2.21029	2.10562	2.38251	1.96731	1.97947	4.0466	4.95143	1.04435	2.07939	2.15841	2.45719	1.2545	2.7137	3.8419	2.39175	1.85717
GPR112	3.09851	3.09358	4.68542	2.88071	3.62835	5.09772	4.93968	4.16157	5.55954	3.00855	2.38828	2.31832	3.8683	2.25724	3.03267	4.22871
GPR113	2.74036	2.63125	3.42753	2.51481	3.17289	4.25853	4.15938	3.44785	3.47278	3.67604	3.85721	2.54292	3.80166	4.31399	3.99662	2.70549
GPR114	6.54028	6.73573	6.48339	6.77805	6.48887	6.29386	4.75996	7.06524	6.92962	6.66563	6.59465	7.20323	6.65833	6.07392	6.38374	6.38874
GPR115	3.97955	3.9473	4.64006	3.80555	3.89358	3.48703	5.12281	2.94176	2.37886	3.34983	5.98586	2.35543	3.58537	4.99931	5.42824	2.37329
GPR116	4.49669	5.34613	6.8099	4.18123	4.89293	5.94381	6.27451	6.59344	5.66719	5.43439	6.2383	5.95087	5.60601	5.66702	6.01053	4.55918
GPR12	3.93337	4.6969	3.98788	3.88447	5.43578	3.93072	5.55753	4.95395	4.67601	5.42372	5.46677	5.26279	4.49656	5.37776	5.0266	5.62971
GPR123	5.26165	5.81135	4.89082	5.88057	5.80335	5.88329	3.55696	5.17831	5.83794	6.54223	3.8679	3.51602	5.54686	5.55932	3.7365	5.1755

GPR124	4.70335	5.11031	5.29354	5.04304	4.3801	5.70279	4.4489	5.94594	5.77513	5.76654	5.26744	5.68283	4.51531	3.47019	5.20129	4.39215
GPR125	4.44111	3.98702	3.43977	3.56906	5.58936	5.65821	5.53879	3.93262	4.36688	5.60407	4.39114	4.75405	5.80309	4.86793	5.84226	5.62925
GPR126	6.22981	6.0156	6.35718	6.33219	5.49854	5.7127	6.50696	6.12523	5.26934	7.33233	6.0728	5.86084	5.66479	5.40541	5.73609	6.35285
GPR128	1.74742	4.62869	2.98152	4.25148	6.18966	2.76484	4.78492	7.92119	3.90229	2.38782	3.54938	5.25333	5.42528	5.2072	3.5512	5.31683
GPR132	4.04744	4.44183	4.23244	4.60918	5.75211	4.50924	4.33657	4.13266	4.24394	4.14906	4.41747	4.26797	4.21305	4.04356	3.63872	4.28044
GPR133	6.18149	6.24105	7.23877	5.70866	6.80229	5.6142	4.19082	2.98628	4.71298	6.43506	6.16676	5.07937	2.39587	5.8501	3.12323	4.21547
GPR135	2.39091	2.58128	2.01565	2.42051	1.78331	2.94714	1.53004	2.60451	2.16598	3.55069	2.1445	2.18846	2.19105	2.23945	1.98342	2.3531
GPR137	4.41182	5.12561	4.62788	5.19791	4.85914	4.2698	5.36141	5.04372	5.18956	5.17583	4.70407	4.77579	5.22203	5.73993	4.93653	5.24833
GPR137B	7.48814	8.02714	8.26204	7.57891	8.97353	7.96005	7.38721	8.26668	8.63776	7.60091	8.81753	8.05638	9.14677	7.95203	8.86001	9.26978
GPR137C	4.56185	5.08479	4.36468	4.97617	5.96135	5.44553	5.06647	4.59647	5.19903	5.39029	5.44215	0.32707	5.40574	4.9403	5.19273	6.34863
GPR143	4.89016	4.08875	3.53502	3.95382	5.71126	4.69801	5.81025	4.34289	3.86642	4.03381	3.76737	4.49442	4.33163	5.88448	4.26797	4.18842
GPR144	3.36587	5.60583	4.42144	3.1994	4.82316	3.74792	1.85693	4.81522	4.26581	5.74642	4.26259	5.79382	4.8611	4.31831	4.6804	5.27518
GPR146	5.4315	5.83661	4.95701	6.45093	5.92215	5.8657	6.06525	4.44194	5.67968	5.21721	5.80702	4.97617	6.70923	5.66958	5.73768	4.389
GPR15	5.37837	6.26996	3.38079	5.49937	5.82627	6.51425	5.8678	6.16109	5.51434	4.94262	4.99175	5.79694	6.03398	6.72244	5.954	6.29126
GPR150	2.04089	1.8084	4.17548	3.53793	3.27783	5.62765	5.65866	4.51056	4.10622	2.07832	5.33963	2.41615	3.90551	1.97057	2.67357	2.34348
GPR153	6.80111	5.61662	6.77908	6.68208	6.49514	7.33526	7.41697	6.65991	7.37737	7.1117	7.77111	6.93297	7.08078	7.22559	7.86216	6.94695
GPR155	5.07971	5.50938	6.42743	5.41899	6.30852	6.09737	4.82835	4.43223	6.11134	5.20516	5.03802	5.37506	5.63311	4.53835	6.1194	3.79654
GPR156	5.4251	5.66433	5.60909	5.06187	4.91247	5.42342	4.83573	4.85258	5.60583	5.35947	4.88285	4.70851	5.77478	5.93748	5.4541	5.46829
GPR157	6.51087	6.73228	6.20996	6.67837	5.52519	5.97145	7.00902	6.79541	6.57067	6.37758	6.66869	4.88716	6.67015	6.07982	5.79752	6.14938
GPR158	2.77283	3.19069	2.89422	5.93903	5.32334	3.65332	5.94126	3.92749	3.78033	3.46275	5.42908	3.08704	5.96219	3.8872	3.24403	3.18938
GPR160	7.52624	8.10472	8.068	8.28122	7.72199	7.15739	6.95049	7.57115	7.6182	8.20839	7.68484	7.06244	8.27696	6.76613	6.95659	8.2533
GPR161	4.67088	5.05722	5.43532	4.75221	5.72016	5.73705	6.18795	5.08149	5.76449	5.15336	4.72699	5.42456	5.49824	5.55398	5.59343	4.99733
GPR162	7.10298	3.80592	2.70549	2.95827	2.2597	2.78532	2.88209	2.93245	4.28832	3.172	3.50469	3.19844	1.89786	2.99448	2.29341	3.42878
GPR17	2.8652	2.73925	2.81469	2.86481	2.62266	2.75729	3.15493	2.97579	2.74745	3.28186	3.81454	3.72332	3.84597	3.22291	2.77242	3.70072
GPR171	6.71017	7.99608	9.11939	8.40816	8.08445	8.28836	7.19916	9.19156	9.33191	4.24348	9.76219	7.82907	7.3965	6.23371	8.38598	8.10956
GPR173	4.0065	4.1399	4.74336	5.21834	4.35634	4.81497	3.93534	5.18334	4.54821	4.76219	4.29253	4.3447	4.36436	4.4524	4.30232	4.54431
GPR174	5.35597	5.0097	5.10329	5.18214	4.80673	4.50127	4.55321	2.10233	4.69241	3.62321	5.14155	5.31858	5.87302	4.83639	4.49023	5.24773
GPR176	5.31649	5.16332	5.64861	4.91008	4.92944	4.97729	4.1147	4.14477	5.39398	5.02998	5.63729	5.44072	3.63421	4.66277	5.58056	5.19773
GPR18	7.11182	8.92195	8.53909	9.55838	7.96811	8.12753	6.19445	7.93534	8.29444	6.10559	8.61036	9.12925	8.03444	6.54092	7.15791	7.92358
GPR180	4.53029	5.06794	5.3328	4.94373	4.76709	5.25618	5.16531	4.61929	4.45668	5.52965	4.88621	4.50587	4.54546	5.60636	4.78378	4.98831
GPR182	5.1084	4.26639	5.64797	4.76796	4.45895	5.53761	6.21882	7.03398	6.21138	5.44046	5.1344	5.90223	6.26517	5.66911	6.21417	4.82307
GPR183	7.31093	8.45757	8.79617	9.34186	8.0195	7.95868	5.2506	8.17853	7.82427	6.17446	8.57691	7.69278	8.07542	6.83112	8.87147	7.80799
GPR19	4.01048	5.37412	5.23257	5.02046	6.39579	4.06264	5.84791	7.07704	5.55777	3.11051	6.85136	6.33896	6.98534	6.10779	6.84701	5.08786
GPR20	4.8012	5.07679	3.79811	4.96023	4.10606	3.78772	6.21417	5.08644	3.72995	5.69464	3.72995	3.90172	3.94666	5.08737	5.6968	5.63045
GPR21	6.14375	5.70611	4.40922	4.09184	4.94529	5.10155	5.13292	6.2427	5.49113	4.39917	5.76559	5.97084	5.83098	4.38727	5.74666	4.99162

GPR22	0.41243	2.33387	0.9589	0.71928	0.94637	0.36087	0.98655	1.3689	1.36658	1.10036	0.99002	1.33658	1.44194	0.42629	1.76827	0.34005
GPR25	5.91716	6.01811	6.01459	5.85135	4.52738	5.94097	5.97229	6.14509	5.23893	5.65982	5.22179	5.45382	6.10692	6.26737	5.86997	5.94638
GPR26	4.8882	5.03965	4.84399	4.78521	4.5892	4.90106	4.51165	5.28736	4.28687	4.62955	4.12287	5.39747	4.65006	4.45943	4.92985	4.59806
GPR27	6.87804	6.73309	7.15354	7.30333	7.09549	6.32921	7.20013	7.09937	6.76269	7.64677	6.93009	7.35068	7.50324	7.66991	7.06066	6.56519
GPR3	3.70138	4.73879	3.30294	4.22883	3.96564	3.6256	3.77935	4.67009	5.12838	3.09196	4.05647	4.66991	3.72312	3.24563	2.69546	5.41414
GPR31	1.79935	0.9589	2.98152	2.38778	2.58828	1.73976	2.73211	1.14774	2.31622	2.07832	2.04035	1.67664	2.42653	2.25724	1.94998	2.63794
GPR32	2.04089	1.67217	3.72982	3.32481	2.33881	4.03667	1.98828	3.97032	3.22752	2.69205	2.54194	4.4643	4.78966	3.55944	2.7465	4.52387
GPR34	7.197	7.82597	7.65874	8.14684	7.61253	7.71518	7.11301	7.7726	6.83665	6.89861	6.38394	7.60767	7.08402	7.06726	8.09763	7.28113
GPR35	5.99641	6.47918	6.34726	5.82803	6.53612	4.84871	6.71904	7.21079	6.5377	5.05621	6.77805	7.0195	6.16902	6.50205	6.33298	6.07883
GPR37	2.30837	5.00175	1.88755	2.00313	4.28892	1.00765	2.9333	2.93245	6.01713	4.80682	1.91586	1.80953	4.49101	2.86263	4.59094	3.07505
GPR37L1	4.16478	4.97462	4.6393	4.54628	4.84269	4.55308	5.1106	4.32106	4.50167	4.85299	5.29458	4.78555	4.50587	4.6954	3.77739	4.93532
GPR39	5.68843	5.48981	6.72429	5.41573	5.86411	4.4478	7.35339	6.32977	6.17984	5.2156	6.45781	6.06615	4.47847	6.94281	5.74805	5.96732
GPR4	5.03019	5.19266	4.40463	4.46469	4.26324	4.76569	5.00206	5.1428	4.48882	5.00506	5.07126	4.29189	5.22886	4.61957	5.2994	4.91294
GPR45	5.25618	5.66603	5.49842	2.83422	3.79424	4.98736	3.45602	4.80693	5.72034	4.61747	3.63292	3.08704	4.74517	3.8872	5.37466	5.80493
GPR50	3.9591	3.13884	3.16713	3.32481	3.12473	3.50802	4.14005	3.52249	4.27526	3.29126	3.50469	3.72108	3.00618	3.33112	2.98901	4.16516
GPR52	3.99584	3.71031	2.82464	3.10053	2.89774	3.76182	4.3989	4.07245	4.21488	2.98998	3.45096	3.80634	4.11284	3.66246	3.52918	3.31912
GPR55	4.89718	4.57259	4.35356	4.14429	4.19924	4.30729	4.38792	4.22285	4.20039	4.1998	4.30526	4.38754	4.08527	4.35606	3.7572	4.30008
GPR56	5.44301	5.49837	4.96966	5.24887	6.0402	6.1373	6.39462	5.04401	5.99025	6.85903	5.02308	5.47559	6.58393	6.22981	5.89338	4.69157
GPR6	6.23233	5.13353	5.87501	5.71246	6.07505	5.03019	6.00043	6.32509	6.57	6.32898	5.65765	5.94805	5.57434	5.87972	6.17407	6.05731
GPR61	5.45261	4.90452	3.28947	4.62434	2.81309	2.24655	3.42552	4.38366	3.82945	4.80682	4.93295	5.35438	5.42243	3.95895	4.6631	5.117
GPR62	4.69157	5.56894	6.24099	5.563	6.10593	6.18973	5.75951	7.07219	6.34393	5.81455	5.84555	5.61811	4.41983	5.90555	4.27526	4.52387
GPR63	5.40753	5.05059	4.69482	5.03667	5.23021	5.75265	5.60753	5.55155	5.3948	4.93233	4.69677	4.64303	4.48458	4.34433	4.99054	4.07003
GPR64	6.54966	7.89722	6.34176	7.76404	6.28785	6.89144	3.47278	6.85308	4.24836	6.73719	3.29289	5.99129	5.95749	3.21424	2.50999	3.42878
GPR65	6.60839	7.89962	7.44183	7.93704	7.88036	7.36756	6.46685	7.52261	8.20468	5.37429	8.67187	7.41439	7.99865	5.78941	7.40139	7.4292
GPR68	4.18267	5.593	5.4365	5.65893	5.07559	5.48228	6.02877	6.62353	6.7903	5.41358	6.89041	6.8232	5.42167	6.19774	5.98336	4.7795
GPR75	5.45261	6.1607	4.97462	5.5987	5.0419	5.23078	6.14478	4.49662	5.95809	5.34336	4.90886	5.93682	5.45858	5.48108	5.15143	6.03959
GPR78	6.31081	5.87195	6.21965	6.1566	5.68081	6.11511	5.73534	6.34224	5.17602	6.00553	5.93381	5.42644	5.97368	5.80421	5.45936	5.82168
GPR82	3.39031	4.58697	4.39917	3.80301	4.97134	4.46104	3.90701	4.07683	4.86432	2.65101	3.72436	3.7682	2.6137	2.9662	3.78872	4.23311
GPR83	4.95075	1.01454	2.65267	3.72039	3.55491	4.0956	2.31492	4.58601	2.31622	4.5207	1.20713	3.94634	2.42653	3.55944	3.29289	1.70353
GPR84	4.99883	3.23142	3.69741	2.98748	5.34691	6.00893	4.6631	6.33679	6.31307	2.72148	7.80998	5.34983	6.8423	5.91431	6.69111	6.28554
GPR85	2.97568	2.92533	2.58413	2.9134	3.10351	2.7137	2.87745	3.05781	5.68843	3.22291	4.51282	3.68459	4.81291	2.96351	2.92343	2.75669
GPR87	7.50807	7.23648	6.91633	7.06472	9.62162	7.35599	7.99279	6.81937	8.36814	6.96254	7.51319	7.34845	8.13908	8.73001	8.49504	8.70926
GPR88	3.85425	2.21392	2.35871	4.41415	3.9057	4.29854	2.31492	4.89413	4.90488	3.47656	4.04541	1.59868	5.54035	4.90027	1.78116	3.79382
GPR97	3.20382	3.74409	2.93188	2.86397	2.43318	2.86866	2.87657	3.25894	2.82162	3.91572	2.98922	3.02655	3.36917	2.85111	3.6493	4.0189
GPR98	4.73008	3.81937	3.94824	3.54284	3.23455	4.07755	4.36086	3.64514	3.94882	4.23481	2.79511	3.41088	4.17406	3.26974	3.80719	4.53865

GPRASP	7.78497	7.67128	8.22037	8.45121	8.35965	7.66157	7.61925	7.48312	7.96679	8.93342	5.8694	7.52746	7.02816	6.84173	7.47951	7.24146
GPRC5A	7.1855	6.83587	6.35762	6.49013	4.56594	4.42805	5.62606	4.13803	5.66376	6.78618	6.40898	4.25587	4.32624	4.20465	4.11592	4.21035
GPRC5B	5.45592	5.72103	5.85266	5.92381	5.27864	6.38787	4.65312	5.53039	5.89935	5.77997	5.42868	6.14618	6.36248	4.4613	6.17219	6.39176
GPRC5C	7.80622	7.2582	7.22255	7.4042	7.03075	7.16569	7.62288	7.42868	7.60078	7.45093	6.04417	7.09987	7.31201	7.53886	6.52613	6.65877
GPRC5D	6.0104	4.89182	6.60156	6.56474	4.07562	6.25872	5.56307	6.04226	5.782	4.41983	4.26713	7.06843	5.49908	5.44628	5.97908	4.18842
GPRC6A	4.0196	5.74435	4.94061	4.79981	3.10976	4.41713	6.05296	3.70769	5.18228	5.49998	2.8192	5.67321	5.64923	5.60451	5.7106	5.21721
GPRIN1	3.31287	3.33011	3.36671	3.46297	3.82301	3.65578	4.89804	3.76747	4.16172	3.77256	4.75355	3.85069	4.18908	3.69279	4.08441	3.80608
GPRIN2	4.08906	3.99949	4.15938	3.94083	3.81591	4.22024	4.1368	4.14617	4.82547	4.28892	4.46146	3.71758	3.52508	4.08018	4.18876	4.2106
GPRIN3	5.65551	6.0987	6.20375	5.98072	6.46606	6.29256	5.57834	6.83636	6.82086	5.26722	6.92148	5.70246	6.30117	5.33697	5.93233	5.41054
GPS1	3.98673	3.86261	4.29709	3.71004	3.78235	4.17971	3.85658	3.08616	3.57258	3.99153	4.69149	4.57214	4.07063	4.81617	3.78253	4.00732
GPS2	5.3204	5.63823	3.49445	5.82067	5.07679	5.85341	5.62032	2.731	5.33269	5.74642	6.29956	6.28238	5.81182	5.68695	6.00009	4.97152
GPSM1	5.41573	5.27276	5.68579	5.47551	6.26517	6.3829	5.87367	5.15281	5.80008	6.30248	5.53039	5.87321	6.38895	6.25576	6.5579	6.07982
GPSM2	5.11909	5.08694	6.07473	4.99372	6.80432	5.91315	8.64113	6.16815	5.05998	4.50567	5.9871	5.88677	5.67887	6.45608	6.95816	6.45101
GPSM3	4.07647	3.87225	3.38468	4.16919	3.5644	4.18876	4.33201	4.16757	3.89706	4.04011	3.66426	4.74224	4.00094	3.85595	2.96902	3.94794
GPT	7.95378	8.07471	7.16167	7.22098	7.06652	7.33012	7.26107	7.49302	7.05802	7.42749	7.23078	6.83404	7.798	7.12499	7.01184	6.90527
GPT2	8.61682	7.47271	7.07869	5.6699	5.64806	5.94701	5.01022	7.40568	6.58083	8.4593	7.78669	6.22315	7.94437	6.18909	5.57124	6.79993
GPX1	11.5206	11.7815	10.9118	11.2207	9.9611	10.8431	9.42229	9.64884	10.9279	11.1275	11.6143	12.1489	11.6759	11.2075	10.269	11.2207
GPX2	7.73538	8.2869	6.95897	6.45994	7.48326	5.2818	7.53729	6.3009	6.89966	6.01259	6.92174	6.53748	7.5383	8.35767	6.90589	6.23437
GPX3	7.50324	7.31963	8.03012	7.71299	6.69244	7.49041	6.77672	7.23313	7.9514	9.5648	8.64262	7.47497	7.35627	7.11556	6.95042	7.08612
GPX4	10.794	11.0741	9.91866	10.8755	10.2398	10.8383	10.2459	9.95833	9.77645	9.97929	9.54936	10.7518	10.8973	11.1658	10.1581	10.371
GPX5	3.78328	2.66669	4.9904	3.332	2.75326	3.02155	4.0916	4.0687	3.71992	3.90531	4.28503	4.60842	3.60464	4.98232	4.59445	4.1611
GPX7	7.17031	6.90963	6.20271	7.82869	7.56811	6.97977	6.90303	6.42442	6.02244	5.95512	5.93676	7.76017	6.706	8.23881	8.50501	6.86455
GPX8	8.24674	7.893	7.73397	7.14332	7.62176	8.11669	8.29356	8.64201	7.90962	8.5825	7.35652	7.54447	7.39921	7.2324	8.08518	7.66076
GRAMD1	6.2985	5.26698	5.29829	5.6823	5.57434	6.815	5.782	5.03349	6.81089	5.39705	6.05143	6.12594	5.28356	6.70005	5.99397	6.35649
GRAMD1	5.38177	4.71408	4.13154	5.73502	6.10396	5.47132	3.40901	4.6981	5.32306	5.42236	6.67015	7.40109	3.98812	4.28869	4.34713	4.34302
GRAMD1	8.7291	7.75853	7.16569	7.58631	6.79512	6.08635	6.49304	6.19397	6.41963	7.23779	6.41151	6.63574	5.27234	6.81635	6.50559	7.09901
GRAMD2	7.05162	5.78864	3.40102	7.01098	3.41088	3.74792	3.58877	3.32868	7.05342	7.11405	6.60834	6.33239	4.83558	2.59761	5.50296	3.31912
GRAMD3	6.92986	6.79474	6.52979	6.39389	6.8319	7.06749	7.53191	5.91054	7.39559	7.81141	6.34271	5.6896	6.48682	7.11194	6.6557	6.81648
GRAMD4	5.40426	5.65707	5.66145	5.79697	5.56841	6.10023	5.95336	5.82281	5.50719	5.26807	6.20375	7.23475	5.58778	6.37347	5.65971	5.88168
GRAP	4.1339	6.34979	4.02952	5.38544	5.25261	3.63078	4.28848	4.32782	4.2445	3.27772	5.81064	4.21387	4.87214	4.14967	3.58305	3.84953
GRAP2	3.84315	3.46411	4.13924	3.988	4.18221	2.5608	4.06264	3.65408	4.3125	3.50939	3.65202	4.08601	3.88172	3.9369	3.72694	3.6935
GRAPL	5.09551	6.2573	5.12769	5.35784	4.41255	4.58199	4.58884	5.46907	4.9847	4.73627	4.76177	5.34717	4.44124	4.45956	5.17033	4.41563
GRASP	6.81286	6.64896	7.09158	6.0002	7.02908	6.16481	7.0936	6.05079	6.32843	6.64145	6.846	7.17043	7.38024	7.57964	7.23648	6.96211
GRASPO	3.11441	2.01809	1.95191	4.35425	3.07162	1.78116	4.63503	1.61881	2.03262	1.43866	3.03593	1.94688	6.04784	4.9403	3.94704	1.62293
GRB10	6.47506	6.07264	6.78968	6.12998	6.44143	6.83051	7.44601	5.84854	6.09333	6.83319	5.58141	6.26517	7.12268	6.59954	6.96042	7.05573

GRB14	2.50129	3.51602	2.44429	3.15929	6.06551	3.04945	2.81469	4.51056	3.49474	4.7154	2.99709	3.35152	2.81611	4.50167	4.07595	3.18938
GRB2	7.61653	8.39449	7.77398	8.44288	8.04077	8.55961	7.47778	7.88503	8.54777	7.81636	8.39162	8.51686	7.83799	7.73933	7.57994	7.99888
GRB7	4.47048	4.7984	3.807	5.00175	4.48291	4.4329	4.4903	6.20321	5.32765	4.87162	3.99549	5.94133	4.98805	6.01413	5.58126	5.69415
GREB1	4.60801	4.28519	3.31009	5.8117	5.11832	4.43832	6.63473	4.42849	5.45419	5.2261	5.26369	5.22636	5.68558	5.97859	5.15577	5.475
GREB1L	4.62117	4.28169	4.57214	5.99025	4.60566	4.63475	5.07178	5.02507	4.69418	4.61987	5.08271	5.18926	5.72464	4.43243	5.57304	5.4498
GREM1	4.56703	5.61224	9.76707	6.48699	8.72304	8.39024	7.42056	8.77378	6.37311	3.87043	8.52275	8.26876	5.23432	7.69174	9.7488	8.29403
GREM2	3.38712	4.36522	3.41704	3.49203	3.69689	2.66834	2.82901	2.89747	4.14005	4.8766	4.86826	2.96542	3.38046	2.70769	4.28659	3.46973
GRHL1	5.44754	6.54781	5.475	5.14034	6.14165	6.42252	6.12998	6.22315	5.56963	5.2212	6.05863	5.84343	6.09425	5.44093	5.16886	5.28638
GRHL2	7.74423	7.38433	6.8232	7.52026	7.70836	7.38734	8.95773	8.29627	8.72551	7.66548	6.08074	6.41555	7.60365	7.66483	8.42381	8.43631
GRHL3	2.61145	3.73984	2.86268	2.97356	3.61465	2.69944	8.69038	2.75656	2.95663	2.57765	7.07855	2.59016	3.26844	3.6977	5.87367	2.99971
GRHPR	8.36242	8.28436	8.53635	9.01248	9.11315	8.21298	8.59531	8.92819	7.88503	8.77929	8.23628	9.4889	8.52332	9.39808	8.4703	9.92568
GRIA1	5.04804	4.99763	5.28356	4.62548	4.12015	4.78683	4.7795	4.28922	4.72596	5.01906	4.64769	4.23539	4.62955	5.34161	5.40753	7.23561
GRIA2	2.67244	0.92423	1.02564	1.78726	1.16965	1.71583	2.00337	1.40365	1.61259	4.34027	1.46034	2.34191	1.0625	1.40365	1.59197	2.09215
GRIA3	4.42002	4.36086	3.92098	4.57125	3.67214	4.72417	4.33558	4.50759	3.8446	3.81401	3.5789	4.35178	3.96598	3.85528	4.0065	3.5945
GRIA4	1.775	2.61031	2.38821	2.29738	2.23882	1.39846	3.53071	2.53988	2.30796	2.25559	2.64349	2.68743	2.63606	2.21132	2.99422	2.21242
GRID1	5.75467	4.52549	5.61701	5.52553	4.40279	5.20172	4.86772	5.76009	5.55288	5.10351	4.78187	4.89804	5.03573	5.19927	5.03322	4.57279
GRID1-A	4.52618	5.81135	5.21285	5.17832	4.79743	5.1893	5.24432	4.79259	5.47164	5.64594	5.38391	5.96795	5.37108	6.01669	5.48401	5.94393
GRID2	3.28382	2.79266	3.07458	4.96023	2.39414	2.03544	2.75954	3.45352	3.19069	1.92074	4.57799	2.20167	2.42653	2.51368	2.72952	5.31202
GRIK1	5.87008	5.83989	6.20708	6.26973	5.83799	5.50686	6.22886	5.24924	5.10752	6.51291	4.55979	5.89886	6.42911	6.49982	6.05312	6.1163
GRIK1-A	5.57669	6.04791	6.24827	6.44172	6.42338	6.33001	6.8278	6.07547	5.76872	6.16561	5.25119	5.56798	5.79876	5.86194	5.10597	5.98518
GRIK1-A	4.35866	3.75879	3.83335	3.57686	4.16584	4.3237	3.27441	5.25678	3.91489	4.91332	5.95392	3.84426	2.46016	3.87671	5.26064	4.51207
GRIK2	2.92289	3.5512	3.83648	4.40839	4.36763	4.24993	3.72865	4.2792	2.63434	4.50143	3.66515	3.53624	3.88616	4.2994	3.9636	3.16778
GRIK3	1.85693	2.78405	2.43255	2.60104	1.91706	2.66714	1.27255	1.34338	1.96387	4.70708	2.25774	1.98925	2.02586	3.69409	2.05562	2.13853
GRIK4	2.65839	5.26171	2.89422	3.15929	2.81309	2.79576	3.53968	3.53745	3.27349	2.91059	3.32655	2.84585	1.82475	3.66246	3.26899	3.04866
GRIK5	5.16185	4.34027	5.00035	5.13607	4.80874	5.15941	4.58568	5.40272	5.83063	3.95382	5.53716	5.6694	5.29152	4.01612	5.65403	5.37776
GRIN1	3.57935	2.93642	3.61825	3.36719	3.57207	3.5789	3.11652	3.07618	3.26122	3.9378	3.28832	3.24439	3.93072	3.86022	3.15711	3.90646
GRIN2A	2.48507	4.09796	5.87129	4.44321	7.22488	4.76297	7.83923	3.87665	3.77315	3.63219	4.31127	5.78857	4.53909	7.89362	4.307	3.66935
GRIN2B	4.71261	4.71174	4.42419	4.54463	4.46592	3.64617	4.54821	4.2226	4.62869	4.19082	4.95106	3.981	4.41729	4.35703	4.89932	3.84154
GRIN2C	5.30926	5.36018	4.93851	5.26675	4.94203	5.23284	5.31712	5.51976	5.40516	5.55632	5.45373	5.79263	5.27002	5.19435	5.05513	5.54883
GRIN2D	4.06856	5.21013	5.08775	4.13266	4.63899	5.00322	5.05959	3.93582	4.47767	4.31702	4.27841	4.1339	4.24238	4.90904	3.81806	4.2727
GRIN3A	4.41781	4.82254	5.38506	4.53375	4.15309	5.19266	4.52451	5.47407	5.25519	4.4039	4.95126	4.97295	4.92302	4.85844	4.64364	5.15027
GRIN3B	3.69182	3.16637	3.26549	3.72039	3.45301	2.65434	3.70182	3.8281	2.31622	3.20323	3.19795	2.89774	3.30026	2.95261	2.50999	3.94585
GRINA	6.455	6.08327	5.95014	5.2261	6.40928	6.25296	5.92421	5.30926	6.95429	5.51424	6.33835	5.04593	5.94375	7.17859	5.91675	6.1809
GRIP1	3.57557	3.45895	3.17599	3.65681	4.05776	4.21576	4.30268	3.07518	2.49029	4.20975	2.34191	3.43168	3.13235	4.39141	4.20714	3.86625
GRIP2	5.36845	3.90521	5.23257	5.40179	4.89904	3.63988	5.70189	6.68261	6.5216	4.31215	5.81954	6.05484	5.38659	4.95783	6.07014	5.31202

GRIPAP1	7.1175	7.20659	7.52498	7.08988	7.26997	6.44212	6.76807	7.03627	7.58232	6.8266	7.32503	6.9617	6.2574	7.24474	6.633	7.33842
GRK1	3.59987	4.20465	4.42592	3.38369	3.2065	4.58019	3.83857	4.78229	5.06242	4.65523	5.47001	4.73008	3.54537	3.73088	4.35255	3.50454
GRK4	3.89149	4.14389	3.78816	4.32095	4.41214	4.56108	4.11091	4.27998	4.36522	4.648	3.40212	3.46739	4.12557	4.50459	4.12809	3.86205
GRK5	5.30045	5.51418	5.79337	5.69455	5.94133	5.46033	5.27219	5.94581	5.93216	5.76704	6.04438	6.03276	5.45419	5.46462	5.29562	5.29087
GRK6	7.00217	7.54029	6.9609	7.56855	6.76973	7.34967	6.951	7.05445	7.15229	7.10758	7.12845	7.91831	6.8226	6.4977	6.94714	6.55362
GRK7	2.44059	4.10265	4.66716	2.61385	3.12473	4.47194	4.7725	1.51119	4.55668	4.51316	2.07483	2.94469	4.15694	3.85416	2.98901	5.67081
GRM1	3.58161	4.54977	3.64338	4.08906	4.59589	5.51774	4.12203	3.51628	4.95192	4.13444	5.16028	4.00025	3.87338	4.06156	4.3447	4.05985
GRM2	5.29643	5.27173	5.67998	5.83766	5.62634	5.55944	5.76238	6.6596	5.74628	5.71218	5.72807	6.48592	6.19045	6.05028	5.98732	6.06448
GRM3	3.71123	2.82798	5.2998	5.83329	3.33875	2.99117	4.73125	3.6374	3.71298	4.09007	3.38676	5.09441	5.79273	3.6977	3.59615	3.28662
GRM4	5.80361	5.20259	5.75828	3.44117	3.93705	3.45096	3.94849	4.20991	3.25201	3.72029	3.13394	3.6339	4.11891	4.80703	4.36165	4.2961
GRM5	5.23955	3.72183	4.58988	4.65792	3.63765	3.97656	4.67307	4.16665	3.44868	3.28495	4.08601	3.76136	3.86158	4.5915	4.16233	4.6209
GRM6	5.93081	6.62481	6.50683	6.39263	6.28785	7.07381	6.83211	6.56965	6.12891	6.77476	6.29208	7.08169	7.34693	6.71599	6.71149	7.30682
GRM8	2.06965	3.07124	3.38676	2.69205	3.96018	3.48483	3.45063	3.84757	3.61825	4.51071	3.5199	3.21895	3.65133	3.25357	4.2959	2.81611
GRN	8.73519	9.09316	9.45311	9.0336	8.08567	9.63482	7.97105	8.19574	10.0629	9.58421	10.0844	9.86852	8.87558	8.93431	8.36706	8.33735
GRP	3.61236	5.6943	4.58744	6.70624	4.79743	6.00032	3.25433	3.96044	3.60923	5.55308	5.62509	4.16089	5.26645	4.86024	4.93457	4.30438
GRPEL1	8.71012	8.94892	8.93549	8.79229	8.55828	8.73001	8.84762	9.36543	8.75873	8.52058	9.42229	8.49421	8.96233	9.38644	8.69245	8.67112
GRPEL2	5.77587	5.35608	6.1994	5.4533	6.24882	5.19994	6.60467	6.75072	5.60724	4.9576	5.54732	4.98524	6.31766	5.63228	6.04427	5.87165
GRPR	6.51464	6.94306	7.53981	7.30446	6.6158	6.41038	6.84737	6.37303	6.51937	7.61312	6.80256	6.80696	6.69178	6.60657	6.70858	6.08596
GRSF1	7.35822	7.50393	7.7809	7.68698	8.23129	7.91179	7.44109	8.32463	7.71057	7.93038	7.67409	7.47282	7.92217	7.78519	8.06218	7.83226
GRTP1	6.46055	6.06544	5.67833	5.35079	5.98083	5.92763	6.70987	5.40895	5.45816	5.63395	6.35103	5.22091	5.54156	6.6832	6.39572	5.99832
GRTP1-A	0.11027	2.59102	-0.7797	4.25955	3.29261	2.91286	3.16512	-0.7797	3.38569	0.85718	-1.4826	-1.4826	3.77256	1.97057	2.1886	0.07153
GRWD1	7.42441	6.61197	6.98222	7.11703	7.66395	7.7899	7.30631	8.0296	7.35723	6.60163	7.69525	7.80888	7.49571	7.36632	7.77456	7.4428
GS1-111C	7.62466	8.65235	6.90527	7.78463	7.80837	7.99374	7.52337	7.07408	6.79474	7.60658	7.7963	7.94524	8.50329	8.65235	6.59093	7.97768
GS1-124K	3.13246	2.97605	4.03916	3.27048	3.2065	3.92656	2.15094	3.65408	3.6241	3.91319	3.14656	3.25228	3.40212	4.03667	3.71004	3.38208
GS1-124K	1.74742	1.9808	3.74811	2.97356	5.16332	2.48692	3.76501	3.50531	2.43603	3.6977	2.10233	3.68084	2.34547	3.58891	3.59615	1.89302
GS1-164E	3.97	5.81135	5.89038	6.0945	5.87497	5.63076	6.45894	3.55509	6.07614	4.34627	6.0376	3.16915	5.48407	5.08103	5.03144	5.77235
GS1-166A	3.41112	1.67217	2.48448	1.67907	2.10233	2.93381	3.97251	0.64273	0.89896	2.91059	0.90097	2.97562	1.53958	2.09344	2.00801	2.34348
GS1-24F4	5.33339	3.65681	5.49842	5.70866	4.38405	5.23419	5.40489	4.95679	5.34272	5.93577	5.04361	4.13105	3.17825	5.76562	5.01627	3.01871
GS1-259E	5.60724	6.03955	3.36406	4.07003	6.49246	5.51524	4.52964	6.18347	4.30345	4.55883	5.77015	7.22364	3.16183	4.56553	6.30868	4.35197
GS1-279E	5.56126	4.99527	4.33416	3.32481	3.16569	4.14087	6.38687	5.72395	5.27471	6.37606	3.48511	3.73633	5.39073	5.45068	6.11841	4.23617
GS1-304E	2.89649	3.66604	3.37247	2.4789	2.44843	2.67969	2.70047	2.81438	2.31622	2.98998	3.60024	3.33905	2.49591	3.57546	3.4529	2.9809
GS1-600C	2.85784	1.94258	3.25331	2.45536	2.02496	1.90997	2.9333	2.78286	1.76451	2.01376	2.8192	2.2743	3.12086	2.28524	2.1886	3.23061
GSAP	8.62877	8.93625	8.9415	8.69689	10.4489	8.96715	8.97054	9.11385	8.72123	8.52134	9.27564	8.66327	8.82456	8.86928	9.89772	10.6075
GSC	2.53024	1.01454	1.54854	2.1445	1.97947	1.78116	0.83956	2.37778	1.87545	0.85718	0.90097	1.73861	1.11444	2.25724	1.52655	2.12859
GSC2	1.37327	0.89181	2.04684	1.55195	2.85371	1.78116	1.49083	1.04435	1.63986	1.28097	1.95222	1.97567	1.68682	2.31516	1.00765	1.51008

GSDMB	6.51929	5.75171	6.17432	5.88098	5.6314	5.20073	5.84395	5.68726	6.18041	5.43378	5.42824	5.35566	5.41522	6.05425	5.45744	5.51081
GSDMC	6.32278	7.22958	7.09026	6.66985	5.9482	6.67939	6.30868	6.47918	6.65877	6.28468	7.62838	7.67994	5.76092	5.91948	6.80181	5.86266
GSDMD	8.27357	8.00126	8.19842	7.76234	7.73837	8.17759	8.3687	8.21557	8.66602	7.59032	9.06561	9.81607	7.90347	8.56411	8.02057	8.13586
GSE1	6.56458	5.14817	5.6401	5.44093	6.06289	5.69792	6.44039	6.44513	5.2705	4.74756	5.48056	5.5947	6.28503	6.39428	6.00149	7.36164
GSG1	4.52741	4.76471	4.59852	4.69923	4.58322	4.74249	4.75754	4.9312	5.03113	5.06404	4.54107	4.36849	4.71852	4.383	4.68745	5.10323
GSG1L	5.49464	3.32466	3.64717	3.73033	3.55491	3.74792	3.89026	3.77845	3.74437	3.99153	4.05647	3.79097	4.78966	4.43638	2.56931	5.06428
GSG2	5.04458	1.7774	1.92303	3.42644	2.81309	2.34348	5.30403	4.23662	2.88086	3.60777	4.92635	2.38821	3.25147	4.15245	3.7365	3.63765
GSK3A	6.06352	6.65458	6.97418	6.38895	6.44484	6.60354	6.51189	7.47582	7.0977	6.33597	6.52099	7.25243	7.09873	6.35794	6.46565	6.58481
GSK3B	6.72166	7.16285	6.5965	6.93009	7.08674	7.32228	6.84907	6.67625	6.7294	7.01792	6.88989	6.58362	7.15413	7.46409	7.33464	7.03517
GSKIP	9.28504	9.48636	9.29585	8.94302	9.03623	7.90495	7.5216	8.85679	9.00702	9.1574	9.77798	7.41252	9.23642	8.40462	8.68337	8.71077
GSN	4.45498	4.30457	4.41729	4.42618	4.52313	4.65281	4.56642	4.55658	4.86934	4.792	4.1494	4.1934	4.39141	4.31108	4.18663	4.32782
GSN-AS1	4.72849	5.40961	4.50237	3.28542	4.51121	2.21366	3.71929	4.00856	3.36695	4.4261	2.99709	4.6561	3.32016	5.31211	5.41528	4.90519
GSPT1	6.48506	6.40266	5.94594	5.92913	6.26341	6.25208	5.60515	6.28161	6.60899	6.5278	6.30147	5.64109	6.58787	6.70112	6.29048	6.48478
GSPT2	7.25783	7.47931	6.86679	7.81851	8.6681	6.50549	7.26867	6.68677	6.99984	7.40994	6.44586	7.12136	6.0929	7.69023	7.82145	6.27334
GSR	6.36476	7.72159	6.89356	6.87129	6.94792	6.29956	7.46368	6.48665	7.1494	7.23093	7.75388	4.79719	5.25191	7.09703	6.50001	6.04891
GSS	9.25237	9.00592	8.5278	7.92528	8.82456	8.65511	8.50939	8.91327	9.2812	9.18052	8.7731	9.14447	8.7032	8.72779	8.39116	8.75563
GSTA1	9.35829	9.39322	7.81141	9.42357	7.82869	7.89504	8.2105	8.36563	7.67591	7.96335	6.33947	7.81934	8.99568	8.80376	6.66787	5.74968
GSTA3	8.63238	8.33491	5.15361	8.99912	5.15416	6.70681	4.99448	4.32501	3.55701	3.8429	4.20991	5.44722	4.006	3.98175	3.26899	2.4366
GSTA4	8.18506	7.82869	7.75305	7.78783	7.78949	8.7731	8.95432	7.56855	8.51568	8.61593	7.08097	7.38443	8.89663	8.16199	8.50431	8.62877
GSTCD	5.15827	4.43638	5.13011	5.44248	6.27435	4.71298	4.8636	5.24948	4.14832	4.6265	5.15717	5.94649	4.35656	5.5775	5.53472	4.8846
GSTK1	10.4094	10.6686	10.3441	10.3283	9.74747	9.99098	9.0751	9.90431	10.371	10.0778	10.0162	10.0785	9.89146	9.99925	10.4548	10.5857
GSTM1	7.26586	7.2685	6.85972	7.06345	6.51863	7.23993	7.42907	7.66558	7.4807	7.37662	6.84461	7.48581	7.41939	7.20429	7.30631	7.34076
GSTM2	7.24621	6.67312	7.43124	7.55611	6.70681	7.22892	7.78021	7.65647	8.28667	8.02161	6.86655	7.87346	7.46703	6.73798	7.20682	7.29424
GSTM3	6.59787	7.00261	6.87156	6.82702	5.75684	7.38979	8.39318	6.51775	6.07332	8.2633	6.40964	6.54445	5.9209	6.15584	6.94003	6.20003
GSTM4	6.07332	5.21176	6.25659	6.39759	5.27742	6.00252	5.22886	6.44232	6.28732	5.59408	4.81469	5.7048	6.22548	6.0044	6.2512	5.89817
GSTM5	7.32463	7.25599	6.76172	6.99952	6.91014	6.89144	7.41204	7.35304	7.24841	8.04288	6.80913	7.5193	7.50769	7.46379	6.88265	7.44838
GSTO1	9.7337	10.3603	10.1309	10.0139	10.1981	11.2633	9.30638	10.398	10.5573	9.85394	10.783	10.9503	10.2955	10.3635	10.0285	10.1365
GSTO2	5.86557	6.14382	5.13936	5.76009	4.80946	5.97627	6.04099	6.51815	5.28498	6.88573	5.88599	5.1206	5.78857	5.41161	5.66353	5.92461
GSTP1	9.71214	9.31324	8.56834	9.12823	7.97399	9.61082	9.31324	9.09212	9.57352	9.05644	9.02285	9.39963	10.0495	10.6686	9.055	9.34754
GSTT1	6.50774	4.07798	5.96291	6.12863	4.63084	6.38327	4.99336	4.94613	5.80853	4.86142	4.72163	6.2126	4.79903	6.29719	4.65356	5.50973
GSTT2	3.86261	2.1636	1.91144	2.34348	2.21727	3.27349	2.45415	1.31605	1.39887	3.8925	2.43603	2.63249	1.4697	2.74868	1.70284	1.15718
GSTTP1	4.47048	4.64322	4.45763	4.88519	5.42868	4.82194	5.42167	6.79925	6.01437	5.23533	5.91823	4.59004	4.93183	6.15139	5.05678	4.85485
GSTZ1	6.11683	6.56017	6.23907	7.19756	6.84674	5.30898	3.23578	6.05079	6.72654	7.21051	6.82876	6.73581	7.52939	6.37067	6.03795	6.21372
GSX1	3.27837	3.82047	3.86666	2.95045	3.63714	4.3919	2.92084	3.74341	4.13063	3.72936	3.29722	3.44713	3.97261	3.46198	4.01247	3.46594
GSX2	6.34351	6.98822	6.31563	6.58254	6.4838	6.51248	6.69863	6.88023	6.55768	6.59858	6.68281	7.18187	6.80069	6.47317	6.53216	6.7287

GTDC1	6.08225	6.46606	6.54628	5.7384	6.31515	5.75768	6.20784	6.75593	6.12544	6.3927	6.19241	6.65971	6.76123	6.5465	6.39329	6.62398
GTF2A1	6.69077	7.57994	7.57023	7.55453	6.42295	7.44838	6.27405	7.8431	7.66602	7.53557	6.83992	7.52217	6.63674	7.06232	8.13277	6.44252
GTF2A1I	5.39305	5.20662	5.92492	5.88216	5.28004	6.01658	6.6076	6.53713	5.3948	6.13804	6.13608	6.05484	6.2291	6.11748	6.01209	5.476
GTF2A2	6.80229	7.05445	7.30272	7.08637	6.88927	7.04276	7.20402	6.68374	6.59677	6.47159	7.26516	6.81917	7.54991	7.00656	7.1266	7.2851
GTF2B	9.24862	8.91763	9.56952	9.60844	9.54173	9.10402	8.47703	8.72368	8.46942	8.32492	9.22889	8.54511	8.9973	9.32203	8.78405	8.86796
GTF2E1	7.76863	8.35464	8.55042	8.31053	8.15189	7.8819	8.35151	8.71228	8.26814	8.09628	8.38448	8.07286	8.25461	7.89992	8.39908	8.93342
GTF2E2	8.86928	8.73603	9.20892	9.28645	8.92921	8.8213	9.4889	9.32624	8.60896	8.33905	8.86149	8.91477	8.63306	10.2318	8.71077	9.12067
GTF2F1	6.67644	6.28643	6.40041	6.18203	6.15108	6.05863	6.35351	6.23007	5.90647	5.77322	6.59011	6.67073	6.16248	7.31017	6.6295	6.16183
GTF2F2	6.43526	6.24408	6.91486	6.50038	6.77034	6.52201	7.36709	7.21079	6.43335	5.94115	6.16296	5.10586	6.23514	6.98769	6.97964	6.89348
GTF2H1	6.53922	7.36398	6.39306	6.89488	7.45941	7.08393	7.5023	6.41769	7.13275	6.56002	7.0905	7.00172	7.30374	7.03381	6.69613	7.19897
GTF2H2I	6.15404	5.09413	5.28291	4.74107	5.93145	5.6875	5.03203	4.66254	5.38622	5.74642	5.64598	4.9875	5.4874	5.81335	4.95023	6.06314
GTF2H3	7.66537	5.59237	7.96108	7.29091	6.85101	7.74284	8.33735	8.00533	7.46327	6.59605	7.93452	7.27872	8.04178	7.42093	8.17086	7.34719
GTF2H4	6.99283	6.92327	6.8226	6.53587	6.88409	7.21523	6.63735	4.45148	6.44006	6.4835	7.46725	7.36932	6.3778	7.45093	6.91735	6.63564
GTF2H5	5.01176	5.50567	5.18587	5.37151	5.0222	5.38724	6.53922	4.94808	5.21013	5.60281	5.18206	5.32848	5.97749	5.88006	5.21589	5.18074
GTF2I	2.47437	3.1532	2.02586	2.25844	3.55491	3.82218	2.90726	4.63743	4.48532	3.78199	5.12109	2.99228	3.90551	3.09139	2.14289	3.75027
GTF2IRD	8.08567	7.71518	7.29745	7.74071	7.67312	8.24481	8.30348	7.82888	7.57741	7.69763	7.26214	7.32554	7.51914	8.08396	8.08992	8.14157
GTF2IRD	5.95408	6.31164	5.79014	5.70933	6.55377	5.97254	6.03545	6.28135	6.85619	6.20232	6.01633	6.5886	6.46531	5.55223	5.37151	6.11348
GTF2IRD	2.79297	1.74177	2.96792	3.93679	2.65839	2.83735	3.53968	2.10233	2.53538	4.06894	2.36593	3.31042	4.84921	1.59381	2.76084	3.04866
GTF3A	9.40525	9.60515	9.28755	9.56952	9.51229	9.55522	9.94182	10.4489	9.97305	9.04007	10.2583	9.19751	9.25462	9.73676	9.45311	9.83019
GTF3C1	6.45608	5.89084	5.43333	5.38452	5.86855	6.03781	5.54898	5.95617	6.05425	6.10997	6.10649	6.06561	5.94456	6.50024	6.1223	5.79795
GTF3C2	7.29957	7.75388	6.98862	7.47622	7.70673	7.47951	8.01148	8.46973	7.60189	7.23624	7.23832	7.53729	7.29519	7.97191	7.19145	7.64872
GTF3C2-	5.20976	5.16268	5.01537	5.21894	5.02308	5.06187	5.29032	5.57585	5.39578	5.60857	4.74277	5.39128	4.96159	5.01495	5.56014	5.11108
GTF3C3	4.57172	4.66602	5.12472	4.86595	5.95457	5.44274	5.89265	4.54926	5.41945	4.4838	4.98849	4.31762	5.57103	5.25952	4.97134	5.49265
GTF3C4	7.17415	7.01498	7.03398	6.82939	7.68956	7.62564	7.31561	7.08952	6.41846	6.67139	7.22111	7.04386	7.55589	7.41961	7.63737	7.75127
GTF3C5	6.74345	4.44094	4.18663	4.78005	5.05543	4.45668	4.07826	5.13353	6.02838	5.58603	6.07849	5.96035	5.71298	6.34146	5.33781	4.84233
GTF3C6	9.11385	9.9764	10.4135	9.75827	9.4267	10.0953	9.46022	10.7017	10.7996	9.84118	9.95652	9.88284	9.88096	9.07714	9.32624	9.56807
GTPBP1	5.41981	5.09201	5.13206	4.87205	4.80793	5.08149	5.04171	5.57026	4.73535	4.86826	4.91905	5.11814	5.40541	4.93219	4.71689	5.34415
GTPBP10	2.13523	1.49036	2.65267	2.85497	3.78235	2.63321	2.61298	2.98628	2.76258	2.57765	2.64984	2.46803	3.93646	2.62575	3.70234	2.59102
GTPBP2	4.74959	5.18133	4.7638	3.805	5.34089	5.97448	5.11528	4.93559	6.3978	5.76275	5.1928	4.8012	4.8882	5.49021	5.10115	5.30969
GTPBP3	6.57013	6.48777	6.59372	6.08128	6.94902	7.46257	6.54841	7.31268	7.02998	6.22045	7.37662	7.27759	5.89483	6.75167	6.44327	6.87082
GTPBP4	6.86735	7.02742	7.56421	7.20155	7.33565	7.23877	7.34402	7.82579	7.14971	6.85291	7.74515	7.68379	7.53547	7.57827	7.44207	7.18175
GTPBP6	8.92094	8.86357	8.19149	8.35803	7.85698	8.65668	8.34053	8.17605	8.71563	8.55255	8.70529	9.87831	8.68521	8.47306	8.46765	8.4721
GTPBP8	7.21975	7.48608	7.1198	6.2845	7.79105	6.63278	7.80622	7.04694	7.38087	5.59435	7.96335	7.33445	7.59595	6.73482	7.55453	7.86096
GTSE1	5.52649	5.49998	5.90425	4.62908	4.76487	5.84031	5.97567	5.50408	5.99707	5.66479	5.80245	5.43378	5.23682	5.65432	5.42618	5.67243
GTSE1-A	5.85869	5.72298	5.35576	5.78328	4.13167	5.02813	5.34129	6.29126	4.28832	5.31895	5.8392	5.77485	4.19674	5.4378	6.29946	3.71736

GTSF1	6.28284	7.52956	6.74845	7.41828	6.81906	7.01656	6.56778	7.75503	7.22752	6.69435	6.27858	7.24715	6.8411	7.43709	7.19639	6.43414
GTSF1L	6.73353	6.99884	7.33152	7.5326	6.88354	6.92419	7.5369	7.92068	6.03276	7.51854	6.02602	7.45647	7.44928	6.77908	7.21241	7.45025
GUCA1A	4.4039	4.44979	4.25176	4.42178	5.48642	4.53621	4.07798	3.46459	4.80009	4.39023	5.32709	5.29959	3.94794	4.03299	4.46162	4.99264
GUCA1B	6.97016	6.56625	6.91735	6.97599	6.75392	6.29463	6.42365	6.93883	6.51863	6.81715	6.02877	6.41846	6.24025	6.77456	6.39062	6.46905
GUCA1C	3.6535	3.31564	3.79392	4.01612	3.97051	3.39606	3.45216	4.70503	2.72078	3.85069	3.93582	4.02774	3.33071	3.78955	3.9012	3.65286
GUCA2A	3.72099	3.89893	3.46771	2.95827	4.06784	3.68688	3.91631	3.8281	3.97161	4.9891	4.36479	3.93749	4.29511	3.7466	3.51602	4.39898
GUCA2B	3.77751	5.49584	6.24633	5.4066	5.14982	5.39264	5.32594	5.80143	4.73809	5.90223	3.82899	5.60777	5.6564	4.24417	4.81782	4.73027
GUCD1	8.90271	9.85721	9.06301	9.20565	9.63286	9.60191	9.53788	9.82707	9.47025	9.43496	9.43324	10.0139	9.07417	9.51816	9.69136	9.26606
GUCY1A	3.50971	3.90071	4.25853	3.96745	3.83893	4.11944	4.76618	3.80719	3.51672	4.16568	4.07376	4.07485	4.017	3.98554	5.1601	4.60099
GUCY1A	5.70755	5.82506	7.17953	6.60829	5.55944	7.31491	6.10217	6.16413	6.56002	6.97123	5.47117	6.5353	5.60814	5.85731	7.10941	5.71612
GUCY1B	3.64066	4.10265	3.46771	3.15929	4.48291	2.95599	5.6613	3.37974	2.50218	3.13394	3.60024	4.10853	3.23246	2.97219	3.50176	5.06122
GUCY1B	6.77096	6.68558	7.15768	5.46729	6.68609	6.87019	6.30059	7.47423	6.36589	6.88319	6.9035	7.02213	7.04806	7.34053	6.80033	7.1494
GUCY2C	3.20944	3.32466	3.23213	4.7949	2.97095	3.94666	4.37306	4.03916	4.2251	3.63896	4.22933	5.52874	4.13938	1.72157	5.11666	5.5419
GUCY2D	3.35226	3.79628	5.31323	3.31099	3.56794	3.71116	4.71726	4.02048	3.65431	3.87941	4.01138	3.88029	5.83943	3.79618	3.8556	3.47381
GUCY2F	2.44059	2.84393	1.3689	2.61385	2.47594	1.68859	2.5047	2.61382	2.43603	1.5458	2.04035	2.63249	1.35312	1.72157	2.41671	2.61375
GUF1	6.62549	5.93081	5.71731	4.96752	7.44372	6.17202	6.31325	7.45568	6.87912	7.03719	6.81566	5.05959	6.85063	7.20792	6.8657	6.65352
GUK1	8.037	7.83193	8.08406	6.8956	7.29091	7.59995	7.23624	6.84655	7.36816	7.47527	8.02382	8.30008	8.69101	7.86922	7.72445	8.26602
GULP1	5.50686	5.27193	5.40805	5.29113	4.90215	4.88429	4.53186	4.65232	4.80207	5.33851	4.89893	4.5554	4.98009	4.62397	5.782	4.39335
GUSB	7.81222	7.25884	7.65647	7.52611	7.14036	7.91303	8.33649	8.234	8.06065	8.49565	7.57023	8.02477	7.52542	7.08476	7.66602	7.70144
GUSBP1	3.81865	3.50584	4.46828	3.94629	4.03498	2.53476	5.0047	2.2672	4.74411	4.34627	4.10776	5.042	4.93183	4.88494	4.19275	4.81177
GUSBP11	6.32164	6.04492	6.37272	6.55768	6.24136	5.67573	5.89549	6.21609	5.8151	6.25094	5.69909	6.46249	6.44753	6.3797	6.30808	6.16109
GUSBP2	5.71324	3.52573	4.4962	5.89493	4.10606	5.21937	4.81992	6.01952	2.90046	3.8429	3.93813	5.07937	6.88068	5.27844	5.30736	4.91623
GUSBP5	4.73297	5.69663	4.7747	4.07003	5.07153	4.86617	4.31322	3.65408	4.71298	4.97382	2.41572	3.91935	1.35312	5.53595	2.86345	3.95427
GVINP1	5.80863	5.9271	6.58441	6.75957	6.19295	5.77343	5.16933	5.44522	5.97056	6.12115	5.22324	6.24956	5.60374	6.30069	6.29418	6.00128
GVQW1	4.62405	4.6783	4.8346	4.90452	4.40686	4.67381	4.92155	5.26099	4.92312	4.83052	5.49848	4.58543	4.86826	4.45641	5.06869	5.32341
GXYLT1	6.15777	6.39214	6.18589	6.64834	5.96988	6.6076	6.61197	6.31984	6.74803	6.62771	6.27955	5.67735	6.18149	6.60033	6.5782	6.36589
GXYLT2	6.61221	5.89586	6.37493	6.23676	6.68061	6.47754	5.14507	5.69427	5.70562	6.79447	4.48995	6.27109	6.67336	6.62616	6.28298	5.97406
GYG1	7.80293	8.10118	8.40549	7.96217	8.49014	7.26072	6.3419	7.93087	8.98061	8.70602	10.3833	6.52099	8.48075	8.07801	7.89777	8.08028
GYG2	5.68746	5.77214	5.77371	5.7765	5.49864	6.1809	5.52467	4.23277	5.62765	6.93418	4.75171	4.2251	4.92713	4.94486	5.53879	4.22676
GYLTL1I	7.65071	7.28099	6.92366	7.16353	6.36055	7.70549	7.67863	4.43413	6.87418	6.52602	6.59326	7.32679	7.21202	6.35603	6.72362	7.31596
GYPA	4.28687	4.81112	4.12984	4.00145	3.8488	4.14676	4.04587	4.28984	3.93872	4.43507	4.41415	4.02752	4.13266	4.53865	4.30301	4.58478
GYPB	4.90633	4.45311	4.92341	4.89528	4.79002	4.9654	4.74464	5.28273	5.69269	5.02586	5.22842	4.74277	5.2212	4.9692	4.95657	4.94808
GYPC	6.75145	7.43429	7.2697	8.35333	7.07804	7.27445	4.96187	6.12584	7.28099	7.37482	7.63984	8.82218	7.71725	8.13683	7.66346	7.20038
GYPE	3.10839	3.29289	2.88263	3.36436	2.67587	3.05822	1.88284	3.9739	3.67466	3.72332	3.25308	2.43188	1.98412	2.42965	3.07422	2.60451
GYS1	6.67837	6.74325	5.49251	6.15228	7.0367	6.96782	7.38433	6.58872	6.8763	4.52838	6.95257	6.14938	6.58855	7.43454	6.92419	6.64827

GYS2	2.53024	3.36509	3.67421	3.99755	4.67688	1.90997	0.83956	4.44194	4.10622	2.04282	1.79233	4.03129	4.6382	2.51368	3.83184	3.53602
GZF1	6.77322	6.87888	7.24192	6.52034	7.05247	7.28288	7.2075	7.41172	6.99143	7.11527	6.98607	6.65833	6.79938	7.12429	7.02582	6.67853
GZMA	7.88233	8.69101	10.2398	9.66911	9.37224	9.27986	8.17445	10.032	10.0415	7.11651	11.4424	9.60364	10.3269	8.07239	8.65073	9.40867
GZMB	7.14809	8.09157	9.87044	8.58895	9.65256	9.26758	9.29585	11.048	10.6769	6.22886	12.7548	9.60191	11.0928	8.41793	8.18689	9.4421
GZMH	7.40994	8.28309	10.2886	8.09157	9.04721	8.84687	8.44895	9.91866	10.9849	7.70121	10.4632	9.99282	10.1401	7.40109	7.82939	8.94258
GZMK	6.93914	7.48643	8.96044	9.05572	9.40267	8.08617	6.61529	7.67515	8.53336	6.61785	9.84759	7.99407	9.03623	6.67107	7.85803	9.51816
GZMM	6.05497	5.86329	6.12451	6.30541	5.45343	6.28277	6.33628	5.26563	6.54247	4.25004	6.8613	6.78789	5.82322	5.91704	5.66719	6.52383
H1F0	8.16161	7.44529	8.20539	7.81346	7.29055	7.72037	7.37234	7.1455	7.32606	7.99147	7.47089	6.27858	7.76581	6.67107	7.62815	6.98422
H1FNT	3.27847	3.30982	4.389	3.45895	3.09731	3.3733	3.49924	2.44991	2.96699	3.7147	2.28779	3.54848	3.13394	4.15744	3.54525	3.76228
H1FOO	4.39937	5.17157	4.47125	5.46207	5.33349	3.72561	4.47022	4.49662	5.75016	4.36468	4.19082	3.90172	6.52681	4.49472	5.39264	4.3381
H1FX	8.77566	8.65511	8.23984	8.12509	7.56811	8.24403	6.69863	2.91144	7.46892	7.79926	8.26845	8.97745	8.58859	8.7811	8.08445	8.31293
H2AFJ	8.5278	7.89062	7.26032	8.35528	5.62045	6.76542	5.71771	5.86855	6.53414	8.10055	7.71057	7.65921	7.23499	6.74845	6.0218	6.85619
H2AFV	7.81141	8.33571	8.71707	8.56201	8.59276	8.86638	8.54009	7.36877	8.17146	8.26535	8.32872	8.04765	8.34166	8.0146	8.72446	8.28067
H2AFX	6.87431	6.44775	6.32112	5.79169	6.29494	6.79415	6.01381	6.1544	6.22861	6.03515	6.05602	6.21356	6.15307	6.05663	5.99968	5.82241
H2AFY	6.37629	5.87547	5.88599	6.0061	6.1809	6.29494	6.49124	5.76633	5.99679	6.30909	6.63446	6.37868	6.75273	6.56684	5.96074	6.00788
H2AFY2	8.26876	8.08518	7.58963	7.80271	7.55817	8.43209	7.50275	8.33155	7.88305	7.69081	6.93789	7.88884	9.31324	8.14952	6.68087	8.81561
H2AFZ	10.4243	11.0235	11.547	11.25	11.5301	11.174	10.371	10.9732	10.8255	10.3741	11.8493	11.4758	11.5856	11.3913	11.6889	11.4919
H2BFM	2.75185	2.93032	4.13154	2.58828	2.85371	3.4746	2.56625	3.76379	1.69898	3.3263	2.01441	2.79123	1.93701	3.07586	2.52969	4.02973
H2BFS	4.92233	6.10884	5.39353	5.8358	4.48291	4.96837	6.26604	5.3264	6.21486	5.2129	6.09131	4.18135	7.01141	7.99608	7.17292	6.90423
H2BFXP	3.13884	4.05789	4.79903	3.56885	4.50053	4.99415	4.84753	4.017	3.72099	4.21672	4.2803	4.70357	5.10984	5.24016	4.28431	4.09619
H3F3A	6.14375	6.30883	4.6804	5.06404	5.65461	5.60919	4.95627	5.85064	5.90526	4.62434	6.12794	5.98617	6.4483	5.91431	5.91104	6.79087
H6PD	4.95791	6.03131	4.95585	4.38855	4.51282	4.35356	5.17075	5.5803	5.13767	4.7908	5.33875	5.05653	4.86432	4.6975	4.90466	5.01
HAAO	5.67529	2.46272	2.33881	2.22193	4.9039	3.24275	5.06115	5.49803	5.70095	4.66895	5.63216	4.48862	3.07124	6.26737	1.97136	6.6127
HAB1	5.62822	5.20552	4.80663	4.87875	4.42874	4.4039	4.90131	4.90466	5.13192	4.60566	5.00256	5.78962	4.85998	4.55465	5.54631	4.91088
HABP2	6.30661	5.40574	5.38936	6.19705	5.73276	5.2498	5.42833	4.6439	5.88266	5.49383	4.64412	5.26053	6.26989	6.81098	4.98404	6.2896
HABP4	7.04198	7.11194	6.47253	6.7418	7.34672	6.76291	6.11019	7.39456	6.83752	7.07329	6.7284	7.20717	6.49484	6.88109	6.78789	6.60946
HACE1	7.64347	7.24254	7.46202	7.77168	8.45101	7.28019	8.68624	7.07535	6.61013	7.57352	7.51096	6.75866	7.61185	6.86655	7.91464	7.87581
HACL1	7.04386	6.67683	6.29235	6.78015	7.52217	5.62045	5.7789	6.65275	6.53264	6.91863	6.81987	6.11277	5.97056	6.57908	6.97262	7.02199
HADH	8.79361	8.70076	8.15642	8.56369	8.31171	8.39162	8.14368	8.79299	7.99451	8.95432	8.33937	8.32269	9.00248	8.51627	8.83547	8.73274
HADHA	7.65029	7.5588	7.419	7.76799	6.96795	6.7918	7.73104	6.95587	8.04588	7.80293	7.73373	7.55108	7.3721	7.46717	7.56096	7.42635
HADHB	10.7421	10.4883	10.6854	10.2358	10.552	10.0629	10.9797	11.374	11.3913	10.9279	11.4058	10.3157	10.5857	10.6075	10.8255	10.2374
HAGH	8.55961	8.10716	8.66851	8.70602	8.07513	8.11898	8.08932	8.03911	8.02161	8.65394	7.89638	8.99832	8.46507	8.75379	8.28285	7.94585
HAGHL	7.5679	7.57286	7.72559	7.5497	7.21008	7.36657	7.24656	7.03627	6.91814	7.12136	7.10661	7.29889	7.33669	8.04101	6.95926	7.57041
HAGLR	5.31618	4.57021	4.92034	5.57918	5.52833	5.17376	5.10669	5.91749	4.1925	5.30292	5.77696	5.49741	5.31006	5.64784	5.16102	5.72608
HAGLRC	2.96659	2.01809	5.15361	3.3738	3.79424	2.5608	5.31867	3.45352	3.82945	2.50603	3.80883	2.07548	3.54537	3.10839	2.41671	5.61508

HAL	3.65431	3.26154	4.307	4.01654	4.85334	4.60821	4.73761	4.38106	3.18262	3.86022	4.0662	4.06947	4.74889	4.081	3.31071	3.88198
HAMP	7.5095	7.92974	7.69525	7.93062	7.3146	7.48581	7.75932	8.32931	8.16376	6.95273	8.69245	8.17965	8.51364	7.30095	7.74178	7.48872
HAND1	6.63886	6.66367	6.99869	6.76838	6.5851	6.56041	6.97236	7.31811	7.16265	7.35953	6.73246	7.26392	7.56811	6.66563	6.84334	6.90081
HAND2	2.58692	1.9808	2.61382	2.61385	2.53024	2.39513	1.80024	2.64349	1.81152	1.69907	1.95222	2.509	1.89786	3.14828	2.14289	2.28681
HAND2-A	3.08843	2.62826	2.83429	2.34547	2.57571	2.0499	2.36953	3.14573	3.28495	3.50389	3.75544	1.78986	1.74338	3.06924	3.08893	2.73925
HAO1	2.77283	2.46272	3.391	3.33739	2.58828	3.11933	3.44209	3.45352	2.50218	2.63576	3.33935	3.15604	2.5663	2.72254	2.76084	3.12132
HAO2	5.7411	5.6104	5.89353	4.16568	5.40039	5.69888	4.07071	5.41945	5.43429	5.60943	6.10432	5.46099	5.97543	5.74468	5.19085	5.53311
HAP1	5.03667	4.38335	4.08085	4.66076	4.29189	5.15242	5.06219	4.40116	3.39411	4.6673	4.59949	3.98737	6.27273	3.78894	4.32423	4.71149
HAPLN1	2.70922	4.03638	3.65514	3.71713	3.92354	4.24944	3.95717	3.09655	3.74839	4.34217	3.46297	3.03738	3.68203	3.88075	5.53799	5.67169
HAPLN2	4.09491	4.12453	4.20503	4.12191	3.91616	3.83233	3.53968	3.65408	3.72995	3.7682	3.64053	3.42733	4.32095	4.13014	3.56833	4.30438
HAPLN3	7.32123	8.15161	7.83372	6.72263	7.77571	7.50118	7.29274	8.37595	8.31666	7.57115	8.87832	8.96044	8.00305	7.84521	7.82427	8.26535
HAPLN4	1.70087	1.9808	1.95191	2.52969	2.10233	2.11228	1.98828	2.10233	2.13825	2.19868	2.38828	2.31832	1.97096	2.01506	2.81201	2.07548
HAR1A	4.48312	6.31363	4.27544	6.48329	3.39606	5.85664	4.65674	5.41625	6.04791	6.58211	5.71853	6.17373	5.75136	5.81078	4.88519	6.05296
HARBI1	3.20944	4.1094	3.73945	3.39777	3.36671	4.55731	2.63794	4.39881	5.99481	3.57327	4.73192	3.42733	5.00579	4.24417	3.47504	3.6454
HARS2	7.70306	7.29595	7.42093	7.4983	8.16348	8.27357	8.02825	7.20912	8.17903	7.65178	7.42256	7.5588	7.85716	8.33937	7.88441	6.78435
HAS1	5.82524	1.71163	5.57802	4.94472	1.84689	5.93172	5.69581	4.67765	4.86753	5.31895	5.50142	5.15007	5.66559	5.9868	5.09413	4.1399
HAS2	5.70562	5.52109	6.4377	4.73788	5.87573	5.73816	5.80159	6.0186	6.01209	4.73675	7.78913	5.37446	5.78393	4.46592	6.58645	6.27004
HAS3	5.20172	6.17732	5.69246	4.71588	4.99603	6.44114	4.52011	3.48084	6.70956	4.90488	6.41202	6.11701	5.32756	4.83886	4.98499	3.77125
HAT1	8.69356	8.56106	8.87558	8.85614	9.67664	8.66768	8.97315	9.42873	9.22423	8.87832	9.61505	7.74961	8.78881	8.79617	9.68239	9.37708
HAUS1	5.19994	6.58294	6.53362	6.14874	7.62073	6.75262	6.77131	6.68799	6.94359	5.90474	6.853	6.82513	7.76031	6.88749	7.73104	7.06444
HAUS2	6.67421	7.02888	7.16285	6.71031	6.95057	7.17072	7.07424	7.44743	6.32617	6.15395	7.26423	6.91292	7.34856	7.03457	7.04386	7.33981
HAUS3	6.97108	6.98048	7.90618	7.3775	8.54511	7.78156	8.12416	7.69763	8.21192	7.46409	8.12782	8.62607	7.48851	7.19136	8.25993	8.18689
HAUS5	6.46039	6.42743	6.19189	6.91191	7.73058	7.32824	7.92119	7.93391	7.26291	6.67233	7.92634	8.05538	7.14001	7.16727	7.55487	6.8912
HAUS6	5.05847	4.83778	4.53865	4.35243	6.67217	4.49209	4.83543	4.29147	4.63911	4.7474	6.36767	4.15015	4.06652	5.03472	4.6656	5.82355
HAUS7	6.8334	6.93258	7.18064	7.11579	6.95399	7.31408	7.78021	7.81346	7.79998	7.86279	8.21907	7.96835	7.82536	6.91842	7.33445	7.12396
HAUS8	6.46142	6.17652	6.84429	6.68022	7.0367	6.70023	7.30523	6.83673	6.80312	6.01426	7.3161	6.75866	7.05953	6.71599	6.49715	7.19756
HAVCR1	2.81334	2.86158	2.65267	3.33739	3.9057	2.60961	2.58845	3.77845	1.92414	2.69205	2.88166	2.66471	2.59488	2.48051	3.88013	2.15094
HAVCR1	3.50034	3.21812	3.45525	3.41062	3.71929	3.08198	4.32228	3.52249	3.31034	3.2328	5.27341	3.18013	3.50584	4.33558	4.9403	3.31065
HAVCR2	4.07071	4.99785	4.981	4.10475	5.20628	4.88575	4.22194	5.41934	5.39264	4.08349	5.74348	4.75373	5.47087	4.50783	5.03287	5.04584
HAX1	6.6495	7.13071	6.99217	7.14512	6.02426	6.93224	6.47515	7.14657	6.78314	6.80563	7.56597	8.01247	7.28473	7.05849	6.86122	7.54165
HBB	7.82061	6.65329	7.44574	6.8921	8.41228	7.85571	5.2376	5.83509	7.63653	7.49719	7.5326	7.98651	7.59121	6.95444	6.91272	7.03398
HBBP1	4.48312	2.99228	3.70804	3.52553	5.62849	3.71116	2.0296	3.61778	3.22752	3.58913	3.37552	4.18135	3.23246	3.8419	4.2981	2.86424
HBD	5.85355	4.31399	4.71136	6.27239	6.87583	3.92656	4.88202	7.68379	6.53064	6.34969	5.78593	7.34065	5.75136	6.80893	6.37067	4.87251
HBE1	3.96394	6.21843	5.81884	5.14439	5.11553	4.08349	3.31951	5.10428	3.58923	4.92944	4.8242	5.12587	3.39543	5.52965	3.88146	4.74889
HBEGF	5.18024	4.96826	5.28812	5.04401	4.82516	5.6566	5.66058	5.89223	4.92554	5.12208	6.13292	4.97134	5.40727	6.08635	4.93851	4.8213

HBM	3.41112	0.89181	1.4899	2.00313	1.00765	1.95254	2.61298	1.04435	1.98342	1.0625	1.98377	2.59016	2.68899	1.21564	1.35876	2.10224
HBP1	6.07538	6.68871	5.74475	5.91457	6.17117	5.71771	5.30223	5.4746	5.67833	6.2736	6.34383	5.64645	5.90795	5.70599	5.8358	5.90894
HBQ1	2.68367	1.94258	2.59102	2.88071	2.18367	3.03288	2.81469	3.10948	2.5663	2.47565	2.45719	2.01179	2.98256	2.48051	2.89621	2.96003
HBS1L	5.46033	5.32123	5.18845	5.13968	5.87367	5.7148	5.20172	5.4895	4.99603	5.40915	5.4251	4.43729	5.2845	4.94341	5.97782	5.22343
HBZ	3.23662	3.19069	3.85578	4.52648	2.94105	3.15165	5.39211	2.93245	3.38569	3.8429	3.48511	3.35152	5.63921	2.83991	3.23099	2.99971
HCAR1	1.0625	3.00618	2.11428	2.38778	3.16569	1.90997	1.73976	2.04007	1.69898	2.80132	2.63321	2.34474	2.66449	2.44811	2.89621	2.81134
HCAR3	9.82863	7.34834	7.59557	6.37325	8.86357	7.07057	9.08188	6.40916	9.97929	7.19373	8.61815	8.38568	8.72194	8.92819	9.31733	6.29126
HCCAT5	7.61999	7.82408	7.02326	7.36564	7.1267	7.34845	7.24493	6.7516	7.04587	7.80198	6.87298	7.13293	7.72363	6.81098	7.22296	6.98234
HCCS	7.34276	7.5305	7.5749	7.43511	7.55918	7.27872	7.59595	7.61901	7.52923	7.38746	8.16905	7.22216	7.94829	7.67681	7.73468	7.76765
HCFC1	6.11277	6.02765	6.21843	5.45029	6.05165	5.91616	5.9914	5.89013	5.45508	5.83023	5.67605	5.56338	5.84505	6.23481	5.24432	6.16082
HCFC1R	5.17309	5.01785	5.06187	5.08025	5.10822	5.129	5.12829	5.35761	5.45006	5.34613	5.29544	5.12101	5.1995	5.6892	5.16375	5.34812
HCFC2	7.08284	6.68938	7.20184	6.80802	6.95513	7.10162	6.33183	7.17913	7.41961	7.31561	7.03744	6.34863	6.54152	5.60533	6.77322	6.33814
HCG11	-0.0746	0.84574	0.96595	1.01683	-0.2642	-0.133	0.69149	0.36087	1.13258	1.43866	0.94637	0.64602	-0.5828	-0.2642	-0.4198	0.32707
HCG18	5.00585	5.20817	5.64894	5.37368	5.21505	5.42929	5.31943	5.75483	5.2058	5.33811	5.51033	5.69909	5.42007	5.10984	5.13936	5.62788
HCG22	4.80682	4.21006	5.01027	4.61877	4.18221	5.02328	4.5939	4.06126	4.67119	5.44206	5.02998	4.36401	4.4772	5.76092	4.70419	5.55298
HCG26	7.78548	8.12233	8.51477	8.03184	8.35614	8.63277	8.59875	8.17315	8.20986	7.21707	7.87018	8.64201	6.92239	7.64224	8.02825	7.72221
HCG27	4.20928	4.10265	3.99755	4.50197	3.53849	3.6993	4.41747	5.99786	3.9348	4.39917	3.80377	5.83056	3.7479	3.44975	3.82329	2.28681
HCG4	4.6618	5.32827	4.09823	5.26993	4.68584	2.78532	3.39293	3.23218	4.36917	5.47514	4.77111	4.64303	4.83558	5.08103	3.99153	4.76031
HCG4B	5.80361	6.25598	5.6146	5.37911	6.15674	5.89737	6.03446	6.41892	6.35428	5.76333	4.99999	4.22754	4.2307	5.96754	3.75151	5.64034
HCG9	5.17869	3.04911	5.48664	5.44477	3.61465	5.62589	4.23557	3.90071	4.00589	5.63112	5.54233	5.92467	5.17075	4.41097	4.65312	3.73803
HCK	4.0196	8.03184	7.23538	7.50118	9.22763	7.02669	7.8917	7.65647	8.23628	5.42929	8.32756	7.84024	8.47465	8.05772	8.04077	7.49082
HCLS1	9.13234	10.5911	10.3765	10.2444	9.04127	10.2415	8.60332	8.86983	10.2318	9.31202	10.6304	10.8431	8.55331	8.35528	9.20565	8.20643
HCN1	2.95869	3.10196	2.38828	4.03299	2.04582	3.59234	4.5182	2.59685	3.19844	1.67664	2.20091	2.31014	3.72936	3.25579	2.40494	3.16885
HCN2	5.75276	6.05243	5.76009	5.58603	6.11097	5.98353	5.42595	5.53443	5.38794	6.82071	6.05262	6.60271	5.83023	5.75265	5.493	6.66023
HCN3	5.12105	6.35963	5.85894	5.90124	4.79743	5.07913	6.36119	6.39586	4.88674	4.31215	6.40125	6.87848	3.97703	4.33558	6.28952	6.6127
HCN4	6.11888	6.72233	6.56249	6.59083	6.10475	5.81369	6.50683	6.23891	6.26102	6.05478	5.85412	6.80249	5.61224	6.37591	6.69561	6.67871
HCP5	9.50874	9.88457	9.20992	8.8528	9.54637	8.91327	8.40648	10.2804	9.68446	7.49816	9.14736	9.49437	7.08016	8.36086	9.41655	9.08563
HCP5B	6.42136	6.3928	6.23907	6.71075	6.61235	5.7251	6.4066	6.31611	6.30604	6.28135	6.65563	6.59402	6.74395	6.37723	5.84343	6.475
HCRP1	5.12034	5.01642	5.8151	4.38917	5.4486	6.3281	5.49192	5.09328	6.35935	5.84835	6.34446	5.26322	5.55165	6.19295	5.43485	4.47351
HCRT	5.95764	5.72006	5.14196	5.45483	5.33875	4.84871	5.0047	5.68798	4.7581	5.74224	4.62208	5.7079	4.92092	5.52251	3.0951	4.15607
HCRTR1	1.37327	1.67217	3.43133	2.36312	2.81309	3.27349	3.03237	2.95859	2.83517	3.13394	1.74872	3.36359	2.6465	1.72157	2.89621	1.15718
HCRTR2	2.88015	3.40176	3.27793	3.27048	3.55491	3.8966	3.14316	3.56906	2.92006	4.99475	5.27341	4.10127	5.13767	3.77151	3.35152	2.99971
HCST	6.89301	7.8222	7.74178	8.2181	7.14679	7.93019	7.05637	8.076	8.15714	7.16815	8.86357	7.73257	7.78616	6.95482	7.4535	7.17667
HDAC1	9.96379	10.3113	9.89772	9.83281	10.2318	9.77645	10.2496	9.78359	9.71962	9.21438	9.97929	9.03868	10.0218	10.6607	10.1104	9.66243
HDAC10	4.6025	5.27116	4.47708	3.2112	3.58775	3.69327	4.53375	4.14706	4.17917	3.30112	4.22	4.06358	3.5135	3.99949	3.35467	4.90633

HDAC11	7.57667	6.62705	5.04856	6.23931	5.90223	6.31925	6.38857	5.86108	5.61894	7.23209	4.56534	5.34879	5.44452	5.94032	5.27976	4.67394
HDAC2	6.56491	6.74434	6.42461	6.94061	7.86511	7.30272	8.36324	7.30569	7.79463	6.70089	7.24603	6.19482	7.74315	7.31799	7.96656	7.70723
HDAC3	8.18026	8.28751	8.00083	7.89942	7.92001	8.38687	8.4593	7.68134	8.36814	8.47306	8.32816	8.15094	8.49014	8.37378	8.43264	8.35151
HDAC4	6.03567	5.95854	6.0156	5.7379	6.6589	7.02379	5.98842	5.78301	6.50736	6.32792	7.31528	6.79489	6.51571	6.11045	6.33183	6.2395
HDAC5	6.30709	5.1064	6.2982	5.44143	6.28402	6.69042	5.38153	4.92582	5.08531	6.0437	5.34983	5.89251	4.89403	6.4778	6.05086	5.24887
HDAC6	4.99227	5.46878	5.46907	5.40291	5.3531	5.32145	5.41041	5.76985	5.82506	5.50235	5.5785	5.87547	5.06667	5.54198	5.59067	5.51334
HDAC7	4.77515	4.70184	3.79373	5.51543	4.45043	5.0985	4.49442	4.60121	5.11501	4.87712	4.33537	5.58893	4.70674	4.40913	4.24124	2.68409
HDAC8	5.41589	5.99946	4.88123	5.82721	5.52281	5.32867	5.29011	6.20935	6.07116	5.25141	6.28135	5.83219	5.10428	5.49591	5.39452	5.58847
HDAC9	5.60443	6.1291	6.23233	5.87819	5.94761	5.61012	4.78238	4.99603	5.63182	5.71355	4.66774	5.14034	5.29777	4.79653	5.98373	7.09419
HDC	7.52542	7.8018	8.21907	7.322	6.57618	6.63624	6.75064	7.89256	7.49227	8.46562	7.10409	7.99918	4.87351	7.36067	6.90602	5.5629
HDDC2	7.36846	7.78913	7.15117	7.87161	7.76155	7.86096	7.57115	7.96489	8.06888	8.38345	7.7737	7.84726	8.40189	7.13758	7.51009	7.95203
HDDC3	7.99279	8.61338	7.94682	8.20394	7.8789	8.037	7.94931	8.15382	8.0442	8.4102	8.05838	8.92473	8.38431	8.37861	7.16778	8.69613
HDGF	9.23192	9.45824	8.91007	8.69568	9.9517	9.68239	10.3113	9.41655	9.83596	9.39322	9.73221	9.06063	9.45255	10.0897	10.2113	10.3013
HDGFL1	7.60647	7.29595	7.77654	7.65477	7.66822	7.69492	7.89952	8.54552	7.8738	7.98921	7.43659	7.28713	8.53034	7.83976	7.75853	7.76557
HDGFRP	8.13418	8.20839	7.92424	7.86423	7.57212	8.07142	7.96148	7.9697	7.67349	8.16028	7.41711	7.98034	7.75653	8.14326	7.96758	7.69023
HDGFRP	6.03432	5.92381	6.07628	5.95058	6.92337	6.72148	7.36129	6.25222	6.28945	5.64371	5.88677	6.34254	6.59326	7.44743	6.61156	6.87959
HDHD1	7.68808	7.49252	6.61723	8.47306	7.67544	7.7631	7.7506	7.3061	7.63559	6.6957	7.6481	6.88541	8.03074	6.25888	7.21537	6.90423
HDHD2	9.10246	9.38706	9.12668	9.13921	9.10997	8.8308	9.39808	9.63482	9.53631	9.91148	8.28887	8.57988	9.31854	9.57587	9.68026	8.91995
HDHD3	7.5193	6.63541	3.44341	5.74926	6.9158	6.68952	4.21561	2.731	6.80638	7.31389	5.75916	7.71686	7.36188	7.57583	5.60325	8.05925
HDLBP	7.55633	6.9718	7.69867	7.44137	7.46892	7.45153	7.59516	7.34115	7.46257	8.48891	7.00261	7.76184	6.95513	7.94991	7.90998	7.62696
HDX	4.62405	3.07762	3.74811	4.44124	4.76067	5.1893	4.76528	4.85346	5.11766	5.13703	4.22933	3.405	4.70357	4.04773	4.73297	5.26217
HEATR1	5.10092	6.27273	6.61479	6.14149	6.9803	6.50696	7.31148	7.06345	6.03011	6.04099	7.01125	6.9261	6.66869	6.51344	6.91643	6.81108
HEATR2	5.77011	5.18903	5.01527	5.52733	7.14173	6.39033	5.84429	5.80721	6.49184	6.4856	5.4433	5.65971	5.23928	6.48575	5.83304	6.22269
HEATR3	3.99805	5.76297	4.60659	5.45006	5.7102	4.709	5.87709	5.34684	5.66519	5.11218	6.33183	4.41182	5.77556	4.94719	5.60047	5.70189
HEATR4	5.55753	6.26996	3.94585	5.33567	4.56051	6.86019	6.7013	4.2959	4.09292	5.83989	4.00564	4.30571	4.18518	4.04773	6.04278	3.84496
HEATR5	7.71299	7.32134	8.42736	8.3215	8.22455	7.46068	6.61318	7.40722	7.25884	7.27645	7.47978	5.98093	8.00595	6.62241	7.36287	7.54638
HEATR5	8.32579	8.17633	7.71017	7.62491	8.4259	7.48581	7.66548	8.3198	7.43484	8.3212	7.63497	7.12006	8.09341	7.59211	8.49565	8.16431
HEATR6	6.18061	5.90647	6.47024	6.09333	6.33746	6.40922	5.04151	5.81369	6.56402	5.80439	6.15699	6.43834	6.19518	5.24253	6.34327	5.8704
HEATR9	5.5803	3.95879	5.31649	5.69813	4.89365	4.89066	5.83208	5.76347	4.2082	5.85517	5.43204	6.51043	5.32616	5.66451	5.76173	5.71685
HEBP1	8.23302	9.59003	9.36777	9.28266	9.74393	8.23984	7.44743	7.54382	9.12823	10.1021	8.95876	9.95833	9.20103	7.88843	9.39322	8.81505
HEBP2	6.89412	7.1175	6.63824	7.02928	6.62279	7.04564	6.78314	6.67217	7.04276	6.91433	6.94865	7.02009	7.34377	6.41137	6.61588	6.41911
HECA	5.4508	6.123	6.10912	5.5837	6.55858	6.24252	6.46176	5.79966	5.74862	5.64846	6.05522	5.91983	6.22799	6.18773	6.06866	5.82698
HECTD1	6.7168	5.79169	6.22635	6.07687	5.65634	5.76856	5.61352	5.78381	6.15028	5.90297	5.88699	5.76118	5.72931	5.01929	5.50547	6.1846
HECTD2	4.64455	4.26368	4.17704	4.21854	5.00871	4.96316	4.82982	4.05144	3.75132	5.80706	4.18777	5.21788	4.98138	4.57635	4.66774	4.47767
HECTD3	6.56684	6.62481	6.2474	5.60298	6.29119	5.31891	5.61119	6.30852	6.87848	6.84064	6.27556	6.18784	4.55026	6.96496	6.41838	5.67943

HECTD4	5.43842	5.60018	5.97716	5.81987	5.42135	5.76574	5.96464	5.95553	5.87873	5.82677	5.57494	6.03795	5.8361	5.68558	5.67544	5.94527
HECW1	4.51531	5.36401	5.1853	5.73055	5.5545	5.28812	5.15941	5.82793	5.55115	5.26854	5.12603	5.96074	6.17098	6.16508	5.18381	6.20265
HECW1-I	1.26457	5.11644	3.22117	2.61385	2.91487	2.36638	2.96225	4.69169	2.70734	1.82992	4.9692	1.3666	1.68682	2.34474	2.11842	3.44273
HECW2	4.52861	4.82272	4.97329	4.44454	4.66808	5.08775	4.63084	4.63296	4.66808	4.56991	4.84794	4.23481	5.38189	4.62412	4.90106	4.38512
HEG1	7.19373	7.32647	8.66141	7.79974	7.78878	8.31119	7.76334	7.49594	7.48299	7.30479	7.77756	7.51709	6.09592	7.40994	7.78783	7.13187
HEIH	9.88929	9.92274	9.96379	9.74618	9.15074	9.61578	9.51037	10.4226	9.96518	9.83745	9.52327	9.67664	9.50044	9.66727	9.46488	9.61651
HELB	4.87894	4.50648	5.98416	4.79167	5.31988	5.62395	6.118	6.47613	5.90795	4.25134	5.37344	5.70543	5.44248	5.16185	5.20492	6.36267
HELLS	4.10879	4.38512	4.8471	4.17744	4.91953	5.59616	5.21946	5.27276	4.33627	3.82745	5.72016	4.68745	4.99227	4.80979	5.97235	4.85358
HELQ	4.57233	5.37911	5.02328	5.1064	5.72931	4.32095	4.52689	4.94105	4.86031	4.95287	5.01537	4.77548	5.27518	4.83543	5.05601	5.42251
HELZ	6.22315	6.07744	5.79169	6.99839	6.20277	7.10858	7.16929	6.19845	7.08796	5.91288	6.24052	6.68135	6.70889	6.84879	6.61362	6.67388
HELZ2	4.41868	4.30526	5.5093	4.87712	4.91008	5.80824	5.55803	5.477	5.41358	4.99067	5.90377	5.50757	5.34383	5.55652	5.20172	4.95564
HEMGN	4.72569	3.97544	4.89423	4.01542	3.92057	4.35267	2.25844	5.65069	4.07376	5.08873	3.83289	3.60464	4.54221	4.24814	4.98208	5.0859
HEMK1	5.86299	5.86057	5.8117	5.19266	5.22179	5.80184	5.15356	6.73451	5.72647	5.80824	5.60661	5.9206	4.71007	5.70611	5.82721	5.70847
HENMT1	6.51608	6.8747	7.07187	6.37868	6.63886	5.22596	4.08418	5.39317	6.67266	6.73719	7.95378	6.50293	6.12219	4.11853	6.48805	6.16781
HEPACA	7.82614	6.41801	5.15888	6.34219	5.79694	1.85868	4.7725	6.93297	2.39727	4.93851	5.03656	4.66991	7.31637	4.98856	4.69327	7.50545
HEPH	4.56572	4.39778	6.73909	4.85485	5.84738	5.40179	4.80207	5.8345	5.12769	6.87959	5.15634	4.86793	4.07595	4.84558	5.60374	4.72867
HERC1	3.49311	3.96071	3.41378	4.92803	3.82197	3.44491	4.72939	3.07641	4.16955	3.31395	4.55822	3.27496	4.50716	3.63794	3.65619	3.86993
HERC2	8.96842	8.84687	9.21728	8.72779	9.7224	9.63071	9.51229	9.38602	9.23642	9.26491	8.26535	9.15617	8.88035	9.17193	9.38206	9.3797
HERC2P7	3.68375	4.19001	3.84066	4.02546	3.98066	3.87881	4.10024	3.91868	4.2307	4.25252	4.60464	3.94789	3.97214	3.8925	4.22052	3.87043
HERC4	5.38724	4.88285	5.01553	4.44582	4.94835	5.60339	3.88198	4.37397	4.73212	4.23895	5.64109	4.14967	5.2376	3.80117	4.54874	4.77121
HERC5	6.19203	7.0693	7.59726	7.3192	7.66991	5.80329	7.1782	8.51522	8.06011	7.34719	7.27669	6.91137	7.81725	7.0755	7.65275	7.46294
HERC6	6.09034	6.11019	5.41777	5.89665	5.9262	4.84543	5.96291	6.95795	5.13036	5.14061	5.70543	5.19927	6.49184	5.47541	5.80698	5.91519
HERPUD	7.02582	8.46622	9.00325	9.07714	8.13058	8.24318	7.77441	9.08563	8.91149	9.31398	8.12204	8.58309	8.27775	8.01802	8.31492	7.57081
HERPUD	6.15488	6.02949	5.94415	5.21372	5.77304	5.85047	5.75858	6.13753	5.89412	4.69778	6.31164	5.41522	4.65553	4.39872	6.3351	5.49916
HES1	6.96636	6.2577	5.99457	6.03493	5.79319	6.60946	6.38216	5.67455	6.05374	6.32531	5.93008	6.51863	6.26907	5.86663	6.29809	5.80282
HES2	5.28471	4.91198	3.97307	5.33126	4.93457	5.25872	5.31202	4.55465	5.28981	4.61181	5.14209	5.16507	5.55081	4.04505	5.00397	5.28882
HES4	7.16505	5.72566	5.66916	6.26566	4.80673	5.37003	5.48605	5.77447	5.155	5.88338	5.45459	5.39305	6.45214	5.29145	4.95436	4.9875
HES5	3.00675	4.05789	1.79898	3.23213	2.91487	2.99117	4.05033	3.69279	2.39727	1.28097	2.99709	3.27772	4.56642	1.92414	3.39726	1.80953
HES6	8.45757	7.61431	5.45637	6.91814	7.24395	7.35897	7.79159	5.57879	7.34263	5.53587	6.0376	8.14684	7.5397	7.77756	8.04247	8.49751
HES7	4.97295	6.08327	4.84794	6.85234	6.0372	4.2936	6.15963	5.90655	5.54116	5.88338	5.63045	4.97252	5.81182	6.15946	5.28144	6.67664
HESX1	1.64611	1.32117	2.35871	1.73098	1.77016	1.73976	2.81469	1.91261	2.03262	1.63837	1.59488	4.55964	1.59204	1.59381	1.70284	3.10689
HEXA	6.47531	6.4778	6.7602	6.42722	6.42772	6.84907	6.64834	6.74365	6.46546	6.51748	7.08843	6.61362	7.03026	6.35493	6.71871	6.42921
HEXA-AS	4.84742	4.22688	3.32481	4.92187	5.10439	4.03667	4.45365	5.31438	4.61934	5.66263	4.2954	4.6561	5.87302	2.54935	4.40873	5.74894
HEXB	9.31324	9.01581	10.5954	9.74393	9.3797	10.1739	9.89582	10.0444	10.552	10.3635	9.99505	9.00136	9.86852	9.41655	9.36777	9.33845
HEXDC	4.65498	5.12034	4.40116	4.86471	4.69384	4.77788	5.05401	5.22391	4.18179	4.64035	5.12258	4.99958	4.90106	4.51765	4.93968	4.92179

HEXIM1	7.36526	7.4767	7.61431	7.70564	7.8097	7.68776	8.11278	6.75031	7.52876	7.46102	7.25243	8.055	7.35432	7.88396	6.87399	7.33179
HEXIM2	7.53935	7.17852	7.79368	7.19524	6.87934	7.02669	7.30197	7.04587	7.33938	7.92662	6.84402	7.6055	7.56047	7.67745	7.32289	7.04575
HEY1	10.7357	9.70398	8.96445	9.69447	9.09601	10.5313	9.23779	9.24484	10.0953	10.2257	6.56956	9.59898	8.17965	8.9826	7.96246	6.75415
HEY2	5.36743	4.88962	5.49645	6.05051	4.38106	3.65588	3.58062	4.61563	5.1385	5.69563	5.10864	4.11132	3.82899	4.48226	4.4644	3.49866
HEYL	5.57434	5.09101	6.94963	5.67382	5.91112	6.33317	6.0743	5.84468	6.12252	6.12371	5.31252	5.42824	6.42972	6.48794	5.80388	6.00667
HFE	5.49578	5.64618	5.57862	5.75079	5.52649	5.45694	5.76312	6.10571	5.3869	5.55912	5.6699	5.6657	5.68517	6.06505	5.47715	5.5947
HFE2	6.06123	5.5274	4.90711	5.30542	5.77873	5.32297	4.6631	5.62759	4.19706	6.37105	5.4497	6.0005	6.33478	4.82974	6.71149	6.29645
HFM1	4.41114	2.97019	3.27018	3.68482	4.36934	3.32655	4.73694	3.57809	4.51805	3.29908	3.43094	4.55658	3.36671	3.45724	2.92084	4.33389
HGC6.3	4.30677	6.29144	5.0822	5.71961	5.18485	3.94666	5.13757	4.74277	3.86642	4.06894	5.15565	4.25098	6.48815	4.06652	4.81782	4.32063
HGD	4.74354	5.68975	5.68058	4.76901	5.18024	4.78923	5.12813	4.60659	5.33448	6.12946	4.78069	4.54077	4.42331	5.38331	5.16136	4.71531
HGF	4.41812	4.90933	4.84092	4.73835	4.98334	5.64784	4.40173	5.4479	4.28409	5.27276	8.30977	4.467	4.85891	4.65034	5.05022	4.84458
HGFAC	4.8689	2.29438	3.45525	1.85049	2.02496	2.03544	3.0573	3.77845	3.22752	2.04282	2.01441	3.80634	2.62575	2.13594	2.9127	3.50454
HGH1	6.70289	7.17804	5.92381	5.80193	6.31746	7.62176	6.96135	7.46963	7.62252	7.42808	7.05868	7.86869	7.12889	7.36129	6.33549	7.11951
HGS	5.96608	5.69394	6.15519	5.86507	6.41254	6.89588	7.27843	6.39329	7.34773	6.50559	7.08736	6.56249	5.4533	6.2553	6.40279	5.89914
HGSNAT	5.79497	5.67273	5.43894	5.81525	5.36964	6.20158	6.31164	5.65821	5.24924	6.37253	5.96381	5.06959	6.03191	6.41224	5.88657	5.68932
HHAT	7.74113	7.20629	6.91486	7.49927	7.77681	6.95245	7.69452	6.51384	6.68791	7.57891	5.33643	7.14627	6.41596	8.0633	7.18359	6.36933
HHATL	5.26165	1.32117	1.44831	2.12186	1.48455	3.03288	1.37571	1.22235	2.25875	1.22431	1.85273	2.17829	1.53958	2.44811	1.35876	1.77343
HHEX	4.69418	6.30909	5.73235	6.07925	6.09484	5.55973	4.36262	4.54726	5.18485	3.84704	6.69561	5.87061	4.75492	3.72561	5.10392	4.49101
HHIP	4.28084	4.06039	5.04878	4.08687	5.37804	3.57764	4.0195	4.6016	4.75459	4.15633	4.18064	4.0977	4.48075	3.80466	6.4921	3.84364
HHIP-AS	4.17798	6.53623	5.84965	5.52175	5.95916	6.47688	5.85495	3.91364	6.48293	6.76466	4.10165	5.72434	5.60685	6.15139	6.10152	3.49413
HHIPL1	4.48312	3.97873	3.76552	3.66594	3.61465	3.85447	3.77935	1.91261	3.72995	4.39244	3.91647	3.68084	5.02985	3.9712	3.88013	3.76737
HHIPL2	6.34682	6.53899	6.66023	6.38687	6.27273	6.11511	6.52664	7.16026	7.04821	6.24408	6.2822	7.13775	6.84415	5.35478	6.79971	6.53318
HHLA1	3.48226	3.39491	3.90189	3.71812	4.20714	2.92343	3.09731	3.05512	3.53349	2.92455	4.2696	3.83175	3.47039	3.28812	2.95261	4.15112
HHLA2	4.04638	1.90032	2.06833	1.5366	3.41818	3.39851	3.72627	3.36969	2.52342	2.59362	2.23187	2.60031	3.35266	2.73426	3.44749	2.54821
HHLA3	5.97145	5.34812	5.58335	5.43688	5.59813	5.7957	5.67859	6.10971	5.63587	6.05028	4.74803	4.78149	6.18119	5.1459	5.56504	4.78121
HIAT1	8.26218	8.40158	8.95773	8.5068	9.54001	9.36926	8.98405	8.07164	8.16657	8.91327	8.78314	7.26885	9.16963	9.02378	9.18354	9.26363
HIATL1	6.43815	6.84334	6.99541	7.1002	6.57677	6.65003	6.61079	6.642	6.91061	6.26604	7.76184	6.7284	7.16597	6.80649	6.60677	6.93064
HIATL2	5.24859	5.77688	2.46272	3.02476	5.14982	5.94995	2.9333	6.31081	5.53587	2.61134	5.95247	4.78986	5.11124	5.18903	2.43868	6.1129
HIBADH	5.06482	4.83215	5.26165	4.64127	4.79283	5.2229	5.15429	4.63225	4.7638	4.6561	4.70851	5.19221	5.29857	5.62881	5.34118	4.85735
HIBCH	7.38979	6.91643	8.70529	8.10844	9.09834	7.72349	8.30473	8.1881	8.05054	8.42133	7.89821	8.13666	7.58615	7.22326	8.97654	8.77851
HIC1	3.93072	3.46695	4.21576	3.80004	3.02067	3.5945	3.21286	3.74494	3.5644	3.93872	3.7273	3.76082	3.51391	3.6899	3.1156	3.2112
HIC2	5.50962	5.34835	6.29363	5.71218	5.809	6.92116	6.34505	5.90458	5.9262	5.68401	5.66806	6.39515	6.03295	6.70618	5.68251	5.70599
HID1	4.83452	5.28614	5.57947	6.17289	4.62117	5.23211	5.2126	5.31988	4.98125	5.84898	5.06794	5.3128	6.31925	5.61012	4.14078	4.99785
HIF1A	10.617	11.4424	11.712	11.2075	11.9903	11.4272	11.1093	11.712	11.7283	10.9732	11.8254	11.008	11.6143	11.422	11.9171	11.6759
HIF1AN	5.80567	6.31802	6.41069	6.84053	6.44164	6.85063	5.86875	6.26517	6.77117	6.70141	6.71127	5.78123	5.96988	6.34863	6.59516	6.34809

HIF3A	3.6144	3.94783	4.00145	4.4005	3.81401	4.16783	3.57654	4.18876	4.21149	4.01736	5.04665	4.25546	3.76136	3.9077	4.76519	3.79065
HIGD1A	9.41176	9.79789	9.47711	9.56083	8.77496	9.55408	9.32624	9.2593	9.16131	9.819	9.62568	8.71563	9.55408	8.67368	9.25706	9.50452
HIGD1B	2.89649	4.42197	4.59156	6.72378	3.88843	6.12936	6.50096	3.71916	3.75611	2.91059	2.70123	7.04312	3.32016	4.05603	4.93071	2.99971
HIGD2A	6.49706	7.03111	6.53093	6.99855	6.77061	7.05741	6.53093	6.70005	6.61079	7.37944	7.16727	7.06893	7.60078	6.83501	6.35762	6.52805
HILPDA	7.22086	7.09088	7.08593	6.40021	7.49699	7.24802	7.14896	6.96067	6.92674	7.20937	6.98885	6.7013	7.83726	7.30333	8.69882	8.02694
HILS1	4.42363	3.82382	5.20172	4.69677	4.73788	5.47877	4.94479	4.34289	3.97161	5.58847	4.0196	3.86376	3.46411	5.34843	5.22992	4.10052
HINFP	7.64872	7.55335	7.18562	7.35068	7.35478	7.35089	7.12749	8.08385	7.4292	7.16078	7.50393	7.76709	7.87296	7.28524	7.39834	7.86145
HINT1	9.82086	10.2145	9.62568	10.3951	10.3013	10.5665	10.4209	10.2628	10.3157	9.82582	9.819	10.7062	10.7421	10.6426	10.1021	10.2955
HINT2	9.88728	9.98406	9.50744	9.80678	8.29356	9.29073	8.5828	8.66226	8.9537	9.95833	9.49577	10.7017	9.70215	9.15617	8.32009	8.79526
HINT3	5.95799	5.82	6.20784	6.75341	4.81291	5.97235	5.11271	4.44851	4.84794	6.04977	6.47253	5.47935	5.23355	5.16305	4.89657	5.69246
HIP1	4.03638	4.99664	5.44001	5.38261	5.36928	5.41719	5.41012	5.52984	4.56179	5.41662	5.75828	5.11744	5.14147	5.24084	5.56679	5.79509
HIP1R	6.47672	6.44554	6.45428	7.10326	6.0893	7.13623	6.15584	6.43493	7.0472	7.10271	6.14599	7.45198	6.54445	6.49283	5.74832	6.15255
HIPK1	5.73754	5.56504	5.25551	6.41388	5.06616	6.40898	5.15451	5.0129	5.62311	5.07126	5.51334	5.26572	4.76067	5.23264	5.28021	4.81378
HIPK1-A	5.35145	5.14928	5.33489	5.78411	5.25428	5.67221	5.31293	6.8223	5.29458	5.54336	6.30924	5.99292	5.56763	5.24588	5.38933	6.04916
HIPK2	6.01474	5.72807	6.3948	6.00684	5.98072	6.11204	6.18553	6.14382	6.05165	6.24968	6.10396	6.03089	6.19482	6.19553	6.16109	5.90869
HIPK3	4.59703	4.50964	4.93738	5.46967	6.33219	5.54093	5.60896	5.35185	5.06879	4.58199	5.20872	5.01477	6.32694	5.68071	5.30315	5.96305
HIPK4	5.68623	6.65991	5.54219	6.87298	6.69403	5.84566	6.42265	6.21022	7.02408	6.7154	6.24413	7.11916	6.96254	6.12575	6.69731	6.5885
HIRA	5.89522	4.87894	6.02224	4.97462	5.00397	5.01656	4.7669	6.06448	5.18074	4.95585	5.17075	6.84248	4.56336	5.96291	3.92927	4.39311
HIRIP3	6.90997	7.01269	6.58818	6.90107	6.63235	6.64772	5.95058	6.43747	6.80229	6.5054	7.0099	7.18251	6.57013	6.83051	5.69321	6.43994
HIST1H1	4.01048	3.86925	3.89015	3.17801	4.10606	4.05393	5.31453	4.17171	4.16584	4.31978	4.15843	5.96658	5.0263	3.09139	5.21162	4.57163
HIST1H1	2.44059	3.58335	2.00164	2.50291	2.58828	2.65434	2.58845	5.04171	2.43603	2.42411	2.79035	3.19844	2.90755	2.93125	3.40607	2.22886
HIST1H1	6.82011	7.24339	6.48403	6.64881	7.08123	5.89174	6.28657	6.67496	6.75957	5.92806	6.66684	6.56768	6.8334	9.25706	7.86365	6.13951
HIST1H1	1.96392	3.51602	2.94797	3.53793	3.39606	1.59197	1.68451	1.96139	2.13825	2.75002	2.34474	2.69934	2.5663	3.85416	2.07498	2.61375
HIST1H1	4.65553	4.24629	5.6255	5.27776	4.73152	5.21084	4.45365	5.83622	3.09248	3.36001	5.73322	5.94393	5.87016	5.51676	4.32106	4.99162
HIST1H1	3.74024	3.73544	5.22992	4.39937	4.32719	4.84732	3.7087	4.94752	3.39499	4.52724	4.51222	3.91498	3.55219	5.27758	3.86993	4.5001
HIST1H2	7.55025	7.54929	7.82408	7.17188	6.76579	6.879	7.82492	7.53012	7.49227	7.39737	7.25283	7.2883	7.6386	7.35459	6.90726	6.72553
HIST1H2	8.0757	6.45625	7.46862	6.45093	7.68698	6.97977	7.09549	8.13104	7.9156	7.46689	7.41711	6.38151	5.83395	8.61593	9.29073	7.79704
HIST1H2	6.27322	4.29638	5.30746	5.14982	2.1445	3.83233	3.18384	4.93717	3.85447	5.31895	3.43836	3.39606	6.06109	5.24887	4.44094	4.86201
HIST1H2	5.19341	5.08129	4.29326	4.9537	4.06784	4.0466	4.52964	4.84732	4.59837	4.33627	5.38684	4.14691	4.8611	4.55761	4.64949	4.92092
HIST1H2	5.07599	5.33097	5.2535	4.14769	4.19998	4.68857	5.16185	4.19961	5.16933	3.84816	4.69014	4.62196	4.37306	4.27879	4.20397	4.814
HIST1H2	4.36572	3.18041	2.88071	2.63639	1.60199	4.96429	5.0271	2.23712	3.88943	3.20323	5.10961	2.63249	5.99151	1.72157	4.91938	4.13063
HIST1H2	3.42813	3.87677	2.70549	2.83422	2.97095	3.6993	2.67152	2.23712	2.35886	3.62321	4.63606	2.71947	2.7752	2.99448	2.29341	3.52431
HIST1H2	-0.238	2.49227	2.17949	1.73098	1.11444	-0.0172	3.0573	2.10233	2.03262	2.23712	2.72092	1.84666	3.54537	0.22408	2.70965	4.44222
HIST1H2	2.44059	3.32466	2.68367	2.93958	3.80647	3.28947	3.58877	3.37974	3.6241	2.63576	3.16885	3.04581	3.72312	3.62944	3.94704	3.61186
HIST1H2	6.52602	6.10715	4.17984	2.93958	2.63482	5.68258	5.82427	2.30474	5.88266	5.8076	6.33219	2.2269	2.23314	6.24787	3.44194	3.26138

HIST1H2	7.12799	6.43709	6.49752	6.96694	6.22536	6.66134	7.45485	6.94695	7.17866	6.3185	6.95554	6.53457	7.99096	8.10655	7.57931	7.47334
HIST1H2	5.86708	3.34445	4.94061	5.52994	5.30524	5.302	5.95116	5.9545	5.91964	5.48805	5.72903	4.68488	6.41596	6.61452	6.5162	6.23843
HIST1H2	3.06503	4.65943	3.11137	4.67707	3.61465	3.09851	5.95116	3.25357	3.13363	1.78758	3.36559	2.15748	7.65285	3.90216	4.51765	6.76898
HIST1H2	3.82982	4.65943	5.25704	4.37118	5.03761	5.66497	5.58532	5.80439	3.79382	3.6977	5.36141	2.31832	5.0263	5.4626	4.61514	6.11535
HIST1H2	10.1104	10.7596	10.2825	10.0988	9.93918	10.6889	9.14677	11.1357	11.2278	10.0697	9.7947	9.92274	10.4883	11.1434	11.4058	10.5225
HIST1H2	4.31556	2.56774	2.61382	3.10053	1.88842	4.13417	3.45602	3.66599	1.87545	3.73393	2.50161	4.50504	3.77256	2.44811	4.18051	2.51437
HIST1H2	3.38024	2.74824	4.42144	2.52969	4.82316	4.79243	3.45602	2.21132	3.44034	4.19403	3.23213	3.10037	1.63986	3.66246	3.46534	4.61957
HIST1H2	4.77121	2.77081	4.87525	4.47874	3.66644	4.06264	3.74769	5.05573	3.88943	4.60892	4.24944	5.09784	5.38659	4.13014	5.44505	3.18938
HIST1H2	0.248	1.71163	1.79898	2.58828	2.0729	2.15563	4.97647	2.04007	1.45473	2.44811	2.85145	1.77016	1.22969	2.95261	1.1668	0.9183
HIST1H3	1.19711	2.53824	3.67421	1.67907	2.50418	2.18538	3.82687	1.73724	2.03262	2.31329	3.65785	4.85959	0.93298	1.78331	3.4886	2.57571
HIST1H3	5.86108	6.09492	6.27641	5.92336	5.88552	6.20767	6.10612	4.95679	5.78528	5.98834	4.39789	6.17817	5.29339	5.87709	5.47117	5.302
HIST1H3	1.96392	4.80979	2.21086	2.72117	2.0729	3.84347	4.7725	2.70064	3.15245	1.00522	2.85145	4.31399	5.51437	2.41572	3.41773	4.58777
HIST1H3	5.15683	6.47531	5.07559	6.41911	6.08574	6.25615	5.3422	5.7541	5.72953	5.66409	5.1964	6.22012	5.07913	6.33317	6.04941	6.51815
HIST1H3	1.74742	2.93032	0.79531	3.25646	0.05171	3.15165	3.20323	1.86949	1.63986	-0.1724	4.13909	2.75185	4.42745	2.18939	3.21508	2.86424
HIST1H3	2.16905	1.7774	2.61382	2.45536	1.97947	2.21366	3.12496	2.731	2.18568	2.50603	2.95531	2.81338	2.39587	2.82083	2.26702	2.49784
HIST1H3	3.44273	4.06571	2.27099	3.17801	3.27783	4.12592	2.8619	1.96139	3.58282	4.6502	4.51495	2.63249	2.13674	2.51368	2.78105	4.89233
HIST1H4	4.26669	3.30026	3.46771	4.0617	2.83544	3.36385	3.58877	4.03022	2.93758	3.55696	2.98436	4.48087	3.12086	4.38727	2.67357	2.90822
HIST1H4	5.20828	4.95465	4.01912	5.62746	4.83558	5.302	6.22252	6.15572	4.34561	4.98208	5.49101	5.07091	6.05349	5.3792	5.41777	5.6902
HIST1H4	4.85229	3.82382	5.86382	5.89493	6.1994	5.32297	6.3927	5.3347	5.23893	5.50973	5.19042	5.82023	6.76807	6.32393	4.42805	5.98886
HIST1H4	3.97679	5.5046	3.93627	4.72375	4.6615	4.52501	5.58083	5.81871	5.02776	3.09196	5.78593	4.09275	6.03661	6.13502	4.6804	5.03019
HIST1H4	6.24509	6.36004	6.50605	6.54403	6.17407	6.2291	6.03728	6.26604	6.11493	5.88508	6.90997	6.65166	7.16436	6.5801	5.90723	6.17866
HIST1H4	6.36554	7.12636	6.77986	6.39835	6.65966	5.85341	6.24136	6.86331	6.38087	6.34698	6.31734	6.48651	6.28732	6.77986	6.2336	6.53318
HIST1H4	7.40994	7.31362	6.43048	7.50575	7.64788	6.12326	8.26845	3.90071	5.6426	3.93408	4.07031	5.82484	7.78534	7.22086	3.94704	8.2507
HIST1H4	4.94543	5.44903	4.95276	4.5915	2.87786	5.17834	6.43019	5.57186	4.9433	4.35645	3.15604	4.83368	4.98271	3.09139	4.4703	3.41778
HIST2H2	8.4499	7.42455	7.04694	7.48235	6.59523	6.39462	6.07197	6.94457	6.98972	6.98234	7.0977	6.84064	6.59548	6.49455	7.37006	7.23122
HIST3H2	7.04642	6.71896	6.42834	6.57275	6.36138	6.1475	6.1214	6.8966	6.37229	6.95399	6.65226	7.00902	7.73933	7.01539	6.56684	6.54488
HIST3H3	3.97679	5.41954	4.99255	4.87023	5.41562	5.31891	4.37306	3.21508	3.74437	2.77263	3.0131	3.92989	6.20535	6.28749	2.63378	5.69955
HIVEP1	4.90301	4.56336	4.31594	4.62117	7.03856	5.32123	6.61395	5.21878	5.30191	5.17709	6.41484	5.28791	6.46938	6.09107	6.55951	5.15429
HIVEP2	6.42518	6.50348	6.80002	6.41254	6.49605	6.1213	6.62295	5.98219	5.70383	6.00325	5.78238	5.91721	5.4541	6.86841	6.69641	5.98014
HIVEP3	5.63887	5.74373	5.73754	6.16838	6.13349	5.78962	6.86908	6.38895	6.03045	6.02213	6.1716	6.54977	6.98107	5.97268	6.17878	6.56002
HJURP	6.57122	6.77836	6.91486	5.14188	7.08032	6.70681	7.31977	7.77785	7.33414	7.29139	7.06345	6.59049	7.11716	6.81098	7.46391	7.26698
HK1	9.72612	9.25237	8.89519	8.90271	8.75484	8.75873	9.26858	9.23091	8.98978	8.70149	9.55838	9.40525	8.11163	9.42357	9.15977	8.26381
HK2	7.53361	7.65828	8.58419	6.86253	7.94402	8.03983	8.52332	8.4259	8.24674	8.35464	9.46771	6.2574	8.49813	7.67863	7.57609	8.16376
HK3	3.41112	2.99228	6.18497	2.93958	3.39606	2.81599	2.75954	3.53745	7.97399	3.13394	8.61308	5.23346	3.40212	2.86263	3.06557	3.12132
HKDC1	4.43832	4.46077	4.51613	3.64114	4.51664	4.15423	4.43031	4.15496	3.94028	4.49983	4.35216	3.79536	4.26756	4.7155	3.57258	3.99089

HKR1	3.7273	3.41062	3.53767	3.29356	3.69873	3.73049	3.54594	2.87641	3.36074	3.70305	3.21439	3.5479	3.5256	3.46916	3.39966	3.4974
HLA-A	12.3491	12.1026	12.3111	12.2366	12.1308	12.2456	12.1308	12.2597	12.5183	11.8254	12.1308	12.468	11.5923	11.9903	12.1026	11.7562
HLA-B	11.048	10.6031	11.3246	11.0355	10.7596	10.5482	9.85932	10.0604	10.8621	10.3792	10.9279	11.3517	9.4889	11.0417	10.4209	9.76458
HLA-C	11.5856	11.468	11.9171	11.547	11.4272	11.2822	10.8573	11.3844	11.768	11.2324	11.3517	11.7002	10.6075	11.3355	11.4157	10.8808
HLA-DM	10.1781	10.9225	10.7421	10.6351	10.2415	10.2725	7.62478	9.20282	10.3228	10.1334	10.4548	10.4743	9.66727	10.2444	9.6967	9.56326
HLA-DM	10.1021	10.9359	10.8912	10.4836	10.5329	10.7876	9.25053	10.8668	11.6143	9.69447	10.6854	11.1275	10.7518	9.71731	9.87278	10.0604
HLA-DO	5.59554	5.46371	6.31279	6.24286	5.67655	6.11761	5.79211	5.935	6.07244	6.27109	6.38823	6.13317	5.76	6.3871	6.04465	5.85187
HLA-DO	5.95703	5.91215	7.07295	7.41264	6.16281	6.33819	6.17476	6.14896	6.59103	6.30873	5.4365	7.0261	6.75341	7.13904	6.06308	6.46546
HLA-DP	10.0778	10.1309	10.1456	10.9225	9.85557	10.1153	9.94429	10.5665	10.6304	9.90936	10.8297	9.90936	10.2459	9.98188	10.5619	10.2084
HLA-DP	8.90453	9.83281	9.82086	9.51229	9.2812	9.53392	9.31511	8.79808	9.78359	9.33951	9.38206	9.92829	9.08563	9.64364	9.54001	9.49286
HLA-DP	6.52136	8.17232	6.62128	5.75592	6.67527	6.12611	5.28718	7.21647	7.02068	5.45382	6.75262	6.58244	5.02177	6.25158	5.73768	6.51775
HLA-DQ	3.36587	7.09521	7.03653	3.3738	3.92606	4.96429	4.70432	10.5154	6.7419	3.66644	6.62898	6.54916	5.13767	4.82974	9.79051	6.0061
HLA-DQ	8.75835	9.26758	9.04007	8.71998	9.00248	9.48206	7.58677	6.04759	9.22273	7.89329	6.48435	9.01348	8.61593	8.60967	5.79898	8.56369
HLA-DQ	7.43817	9.03868	8.0757	8.42251	7.67064	8.54987	9.07924	7.61565	9.48636	7.55817	6.07614	9.46771	7.43691	8.94055	10.9946	7.73081
HLA-DR	9.71731	10.6075	11.2324	11.1559	11.2756	10.3343	6.9197	7.53729	10.2011	9.65751	10.9118	9.80678	9.84759	11.174	9.83596	10.1739
HLA-DR	2.06712	7.73582	7.22727	4.39454	3.58832	5.73904	2.25559	6.32556	7.30859	6.14215	7.83323	6.67094	5.64095	3.89038	6.6732	6.32921
HLA-DR	6.52082	7.90962	7.53935	6.90407	6.68544	7.22216	5.62722	6.81244	7.91831	6.84551	7.14173	8.41394	6.63473	7.45787	7.80077	7.41961
HLA-E	11.0928	11.2693	11.4854	10.942	10.8621	10.7518	10.1813	10.7518	11.602	10.5619	11.0417	11.174	9.7568	10.4176	10.8107	10.2825
HLA-F	9.31635	9.17299	10.0385	9.48636	9.43496	9.49437	8.434	8.42675	9.55522	8.36759	9.98406	10.4135	8.28836	9.47426	8.91642	8.76701
HLA-F-A	5.02145	5.00425	4.28288	6.24726	6.14992	6.21776	5.32375	6.43909	6.19907	5.15683	5.65461	5.92215	5.15309	4.84587	5.28614	5.07305
HLA-G	8.56923	7.9785	9.00017	8.75484	7.73468	8.04476	7.77708	7.16663	8.66141	8.57084	9.14235	9.22652	7.39264	8.89519	8.1354	8.184
HLA-J	7.46126	7.7042	7.84487	8.54327	8.79299	7.56206	7.8012	7.87861	8.96148	8.02431	9.15499	8.86529	7.18817	8.71787	8.0757	7.7952
HLCS	4.53352	5.43429	4.14676	4.98443	4.31556	4.62263	4.82291	5.10451	5.24569	5.96305	4.41015	4.55761	5.22091	4.92282	5.15403	4.55271
HLF	7.49227	6.70731	5.51387	7.00009	6.83389	6.34906	5.65907	5.56538	5.35106	7.26681	4.83511	6.65858	5.98551	4.06136	6.74395	6.20362
HLTF	8.36416	7.74678	8.59782	8.51278	8.62066	8.29871	8.11898	8.33034	8.05902	8.07874	8.57084	7.97105	8.51297	7.44259	8.5569	9.13351
HLX	4.12999	7.15042	7.28385	6.84306	6.62425	6.87781	4.17685	7.00009	6.82928	6.07564	7.72378	7.50788	6.74745	6.60657	6.94494	6.9892
HM13	5.477	5.32288	5.28856	5.02484	4.86214	5.53003	5.40205	5.07126	5.23969	6.46475	5.97448	5.17622	4.80155	5.43505	4.92582	5.10201
HMBOX1	6.1209	5.92839	6.97964	7.10048	6.21218	6.59208	6.3843	7.15273	5.84019	5.94251	6.35913	7.19188	5.84449	7.1569	6.78945	6.06094
HMBS	8.11037	8.08592	7.35385	7.70384	7.75767	7.43497	7.13317	7.5253	7.36321	8.22892	8.59839	8.78234	8.05902	8.23555	7.33669	8.42321
HMCES	7.99841	7.78156	7.79266	7.81085	7.01929	7.41093	6.91674	6.8987	7.14114	6.85738	7.6407	7.71882	7.3395	7.61809	7.9407	7.31941
HMCN1	7.80863	6.75699	8.76701	5.59669	8.83697	7.03789	7.92399	5.83892	7.00701	7.86445	6.2594	6.61919	7.0576	6.67837	8.82067	10.0162
HMCN2	3.96416	3.46771	4.05033	3.9012	4.09427	3.64695	3.61335	4.17633	4.05144	3.94783	4.07798	3.85528	3.57057	4.01542	3.8889	4.19827
HMG20A	6.64116	6.99465	7.22425	7.22511	8.0941	8.13492	7.57551	7.34672	7.06319	6.47261	7.18784	6.89843	7.52074	7.90171	8.07647	7.81621
HMG20B	5.37506	4.9186	5.09749	5.01049	5.26279	4.85246	4.98359	5.05302	4.70049	4.93071	4.7723	4.76359	6.07116	5.35918	4.77676	5.53684
HMGA1	6.07171	6.83211	6.58522	6.40841	6.42879	7.28432	7.78725	7.70533	7.21373	6.40325	6.56925	6.61757	7.41841	7.5453	6.79861	7.24674

HMGA2	4.70503	4.9646	4.45583	4.50567	4.2803	4.43787	4.50053	4.29893	4.3412	4.18038	4.50343	4.19207	4.45842	5.00304	3.84385	4.92491
HMGB1	9.92065	10.0604	10.298	10.2145	9.90653	9.91866	10.4243	9.44929	9.98188	9.94907	10.2283	9.94907	10.2113	9.82086	10.0518	10.1887
HMGB2	8.1881	8.03074	8.46388	8.21557	7.88746	7.59021	7.90327	8.55121	7.83799	5.90353	7.31963	7.24756	8.30473	8.20228	8.22037	8.38858
HMGB3	7.8236	8.28887	7.41994	6.99123	6.80111	6.42156	7.12396	6.25208	8.37711	5.956	7.33981	6.97815	7.44322	6.5545	6.96254	7.70612
HMGB3P	4.72849	5.8181	4.64502	6.40719	4.63576	5.049	6.71054	6.02244	6.64819	4.05738	6.8613	6.04558	5.89332	5.69822	5.21941	5.68746
HMGB4	3.0835	3.85394	3.7147	3.65448	3.52527	2.24655	3.27441	3.37974	3.36695	2.72148	2.90046	3.405	3.72312	3.6977	3.56833	2.76844
HMGCL	10.0365	9.7568	8.63551	9.00742	8.01802	8.50585	8.35571	8.44675	8.73001	9.32986	8.58691	8.91642	8.94345	8.84421	8.46478	8.31171
HMGCLI	2.31832	3.67122	3.67703	1.78789	2.27178	2.88648	3.07162	3.18262	2.0499	2.83989	2.40407	3.63078	1.92088	2.66915	2.48014	3.1937
HMGCR	7.98529	7.46304	7.41461	6.93502	7.76731	7.49844	7.99147	7.77398	7.67251	7.38917	8.11563	6.63165	7.60753	7.98651	7.36045	8.36147
HMGCS1	7.29931	7.37763	7.2034	7.05601	7.31799	7.38917	7.39669	7.6948	7.36274	7.52611	7.12575	6.6798	7.02379	7.45339	6.93763	7.12714
HMGCS2	4.94613	5.3654	5.33448	5.72881	5.31186	4.93366	6.13534	6.55834	5.63658	7.06828	4.87118	5.9746	5.24505	6.72553	5.83859	5.63605
HMGN1	11.6759	11.9903	11.3517	12.0147	11.0235	11.1527	10.545	11.1017	11.9321	10.794	10.7876	11.25	11.8254	11.6889	12.2135	11.8106
HMGN2	11.6143	11.7562	11.3155	11.3246	11.8254	11.118	11.063	11.8493	11.8106	11.2075	11.7897	11.0289	11.9321	11.468	11.6143	11.7733
HMGN2P	6.47173	6.29809	5.91082	6.06855	6.13485	4.53909	5.27116	6.94256	6.39306	5.91325	6.7419	5.26415	5.87597	4.90027	5.7831	5.26468
HMGN3	11.6219	11.2154	12.0835	12.0835	11.8866	11.2278	11.2693	11.2278	11.6449	10.6972	10.3045	11.1434	11.2822	10.5826	11.0154	11.174
HMGN3-	5.6056	6.30523	6.22381	6.4328	5.75191	5.68702	5.91	5.90489	6.04558	6.0728	6.38452	5.70671	5.70337	5.23321	5.5628	6.38374
HMGN4	9.20892	10.1781	10.3399	9.7543	10.7222	9.86652	8.65925	9.8453	9.67664	9.89146	10.2113	10.1309	10.3228	9.64158	10.3951	9.88728
HMGN5	6.76847	6.90659	6.93009	7.69659	5.97649	6.22361	6.90541	6.81566	6.7914	6.7287	6.24844	6.19167	6.61895	6.7918	6.27798	7.0519
HMGXB3	8.00595	8.03432	7.66223	7.31268	7.48544	8.38038	7.43016	7.45362	7.46989	8.07098	8.23492	8.61099	7.40581	7.97893	7.60658	7.33445
HMGXB4	7.49352	7.20155	7.90882	7.08843	7.528	8.09763	8.26204	8.35699	7.96861	7.44601	7.91358	7.75853	7.70787	8.02303	7.97191	7.84645
HMHA1	7.31389	8.23028	7.98837	7.89596	7.74284	7.91508	7.80351	8.24425	7.97085	6.81608	7.95757	8.95773	7.30766	7.37495	7.472	7.50897
HMHB1	5.84574	4.1932	5.36371	4.0617	4.48705	4.87162	5.33752	5.58335	5.68373	5.58409	4.1725	5.12821	4.14977	5.91118	4.90254	4.31542
HMMR	5.92839	7.32427	7.28595	5.80973	7.71255	7.3888	8.82977	7.48777	7.43404	5.35465	8.90713	6.53205	8.57592	7.75932	8.58691	8.89663
HMMR-A	2.85784	4.94996	5.9634	5.12521	5.26046	5.58889	5.14257	6.62481	6.15224	5.85135	5.28638	6.08422	5.40842	5.2072	5.69433	4.94996
HMOX1	6.42302	7.54447	7.41697	7.1585	7.14768	6.95587	5.96781	6.80876	7.84223	4.31215	9.75247	7.11194	7.43691	7.05497	7.99147	7.22828
HMOX2	6.14133	7.49656	7.08411	7.23263	6.56571	7.08193	6.06384	5.92983	6.90821	7.27347	7.55999	7.4913	7.39378	7.11527	6.85595	6.6832
HMP19	4.39081	2.49227	2.44429	4.23832	4.29721	3.94666	5.33349	3.0481	4.59228	5.08644	4.98132	2.66471	5.03851	5.76562	4.56108	5.50582
HMX1	4.53148	3.89112	5.0859	4.31831	3.93705	4.82194	3.2194	4.51886	3.25201	3.86818	3.5826	4.07184	4.25636	4.42968	4.49023	3.82879
HMX2	5.2775	6.86192	5.49251	6.11947	6.22592	6.30883	5.93642	5.47019	5.88266	5.75038	6.11906	5.69196	6.62398	6.82116	6.34474	5.86679
HN1	8.75288	9.11537	8.53799	8.30659	8.30243	8.73982	8.83277	9.1358	8.37199	7.70723	9.57587	9.36239	9.39808	8.91642	8.41852	8.57525
HN1L	8.70805	8.04348	7.70836	8.1411	8.46329	7.96455	8.54592	8.50644	8.60522	7.64234	7.46593	7.14059	8.31951	8.83206	7.7249	7.04408
HNF1A	6.33638	6.18661	5.74585	6.47202	5.77758	6.17098	6.42911	5.88098	5.74585	6.23376	6.24793	6.39586	6.22635	6.90567	6.28124	6.84273
HNF1B	6.14773	5.57483	5.00815	5.43626	4.66938	4.47013	4.52811	5.4486	4.96224	4.03799	5.26675	6.14304	4.91805	5.18567	4.38066	5.29914
HNF4A	4.83886	4.7638	4.78238	3.96867	5.23264	4.37803	4.59114	5.14507	4.52354	4.67186	5.16276	4.89932	5.14958	5.35839	5.05543	4.98862
HNF4A-A	5.22275	5.18234	4.41429	4.21125	5.02465	5.60149	5.27954	6.10228	5.51434	4.50434	5.0929	5.30957	3.19903	5.69822	2.84494	5.27193

HNF4G	4.42934	3.84106	3.89358	2.94939	3.95167	3.0432	2.94917	2.85623	3.86261	3.14371	3.29636	3.25579	3.49642	4.78555	1.90648	4.36012
HNMT	6.10649	6.09917	5.86855	6.34146	5.73188	5.31338	5.71111	6.28914	5.7256	5.68032	5.95207	5.69999	6.98629	5.74805	6.21991	6.24681
HNRNPA	8.47157	8.61593	8.8088	8.73434	8.76117	9.59537	9.08658	8.51627	9.03131	8.87358	8.48679	8.77378	8.65073	9.00325	9.10897	8.43726
HNRNPA	8.68099	8.58859	9.23642	8.68947	9.67862	8.92733	8.56106	8.53248	8.55202	8.25013	8.83206	9.88929	8.434	9.33414	8.74347	8.69304
HNRNPA	8.30848	8.234	8.53855	8.70149	8.93431	8.67002	8.48395	8.60896	8.27662	8.04043	8.85906	8.65005	8.38858	8.33277	8.63992	8.60829
HNRNPA	8.06777	8.16578	8.36147	7.97893	8.91763	8.25798	7.67964	7.21508	8.13008	7.70306	7.18918	6.47933	6.84013	7.86174	8.79448	8.78881
HNRNPA	5.34559	5.79711	5.88708	5.5785	6.20964	5.17449	5.91869	6.76762	6.38087	5.82945	6.33327	5.30548	6.00345	5.77414	5.94111	4.21547
HNRNPA	10.4448	10.6273	10.794	10.5573	10.9309	10.7421	10.5789	10.1183	10.5753	10.1917	11.25	10.99	11.008	10.8973	11.0674	11.0154
HNRNPC	7.59573	7.43728	7.62888	7.52671	8.58309	8.58309	7.95757	8.01647	8.18753	8.19059	8.50717	7.66223	8.10055	8.09094	7.88036	7.95275
HNRNPD	7.72648	7.43016	7.39988	7.50734	7.84679	7.83639	7.13366	7.71057	7.20891	7.51567	7.7028	7.50184	7.70144	7.67899	7.49429	7.67213
HNRNPD	8.50291	8.44788	8.72521	8.58309	8.90205	8.56106	7.94351	8.70368	8.53909	8.69948	8.61743	8.02303	8.35699	8.24872	8.62832	8.56997
HNRNPF	6.6713	7.37495	7.39928	7.42011	6.81296	7.19439	7.06635	6.18068	6.59614	6.5239	7.55949	7.54594	6.94522	7.47646	6.10334	7.21742
HNRNPH	5.91335	5.48686	6.42518	5.73566	5.76856	6.04776	5.89027	6.19467	5.61119	5.93676	5.88242	6.42388	6.63421	6.15646	6.08828	6.01673
HNRNPH	8.71838	8.07186	9.35525	9.15245	8.65235	9.23884	8.90713	8.97278	8.41149	8.10604	9.02909	8.9792	8.5267	9.2111	8.89011	8.61181
HNRNPK	10.4135	10.0193	10.6351	10.5711	10.5826	10.2459	9.88096	9.33546	10.3013	10.0079	10.5345	10.3792	10.3013	9.90115	10.817	10.4743
HNRNPL	5.67978	6.85331	6.52323	6.28402	5.98945	6.41737	6.84273	5.98749	6.45355	6.52805	6.65613	6.77786	6.37657	6.94991	5.68906	6.12794
HNRNPL	6.03089	6.64159	6.4483	5.72052	7.00009	6.83535	6.55527	5.49958	6.6373	6.395	7.38042	6.1103	6.93431	6.5982	6.67407	7.40581
HNRNPM	7.12946	7.09292	7.26516	7.0893	7.22892	7.13317	7.19188	7.23499	7.14735	7.14512	7.16799	7.86265	7.20098	7.40347	7.25982	7.1371
HNRNPR	7.78272	7.93896	8.46227	8.03245	8.23425	7.268	7.48402	6.35633	7.10241	7.83372	8.53486	7.96489	8.15803	8.0913	8.11503	7.93978
HNRNPU	6.774	6.5681	7.00638	6.8955	7.33179	7.03457	7.41405	6.47846	6.90375	7.1111	7.36846	6.71983	6.79573	6.8099	7.32176	7.22925
HNRNPU	8.00005	8.48329	9.1358	8.24659	10.163	9.27414	9.4722	8.82267	9.33697	9.31635	8.89192	7.7273	9.04187	8.62416	9.47426	10.043
HNRNPU	7.96246	8.31053	7.7952	7.76184	8.04991	8.56598	8.43264	8.10916	7.94631	7.87861	8.23922	8.0913	8.11898	8.08303	8.04178	8.33034
HNRNPU	8.33334	8.15642	8.8861	7.82061	8.57292	8.65005	8.86928	8.47157	8.11826	8.56201	7.98529	7.80622	7.54722	8.53248	8.44583	8.11898
HOGA1	6.15937	2.56774	3.16713	3.21843	1.93871	6.46938	3.27441	3.13235	3.72995	3.65408	2.72092	3.83791	3.68721	3.27909	2.50999	2.63794
HOMER1	6.75972	6.1223	7.16687	6.5296	6.19467	7.50047	7.61253	7.06232	7.18007	6.39618	6.60878	6.51291	7.27163	7.10941	6.4651	6.78556
HOMER2	6.62295	4.81157	5.85506	5.84754	4.69519	3.69448	4.70674	3.98737	4.04104	7.16929	5.13232	5.32341	4.52112	5.63311	3.45724	4.32841
HOMER3	5.27193	5.76136	6.05559	5.58285	5.6503	6.3797	5.2949	5.00256	6.06428	5.9804	6.30176	6.81622	6.5877	6.47973	5.59319	6.65633
HOMEZ	1.32695	2.91316	3.19256	2.06899	3.27783	3.42836	2.96225	1.61881	2.43603	1.74155	1.63512	2.2269	2.39587	3.33112	2.70965	1.96263
HOOK1	7.74011	7.12179	6.87781	6.97901	6.98607	6.82297	8.12977	6.40473	6.73828	7.17953	5.99998	6.80002	6.53856	7.33722	6.70168	7.16333
HOOK2	7.71255	7.1078	6.48515	6.96357	8.26814	7.71275	7.49022	5.57186	7.19188	7.30421	6.57691	7.96246	6.97441	8.25798	7.25138	6.79925
HOOK3	5.57001	5.49545	6.05478	5.45592	6.07744	6.05051	5.96696	5.84153	5.78886	6.00667	6.38973	5.50787	5.71961	5.98842	5.97509	6.10432
HOPX	3.49352	4.48705	4.23182	4.43897	4.61938	4.09906	4.07755	4.61448	5.53215	3.95084	5.82034	4.81941	4.21149	3.81727	4.37397	4.39393
HORMAI	4.67215	3.56819	2.29132	3.39777	2.79083	2.11228	3.42552	3.15288	5.37062	5.30184	3.51391	3.3015	5.14648	2.31516	3.83184	3.17553
HORMAI	4.85406	5.62694	4.89553	4.27608	4.43996	5.10776	5.86985	4.86372	5.60325	5.11309	5.82384	5.25162	3.20458	4.71122	4.70639	4.93048
HOTAIR	5.33688	4.40668	3.70804	3.78412	5.46569	3.87636	5.14682	5.11563	1.32709	4.87162	4.92331	4.57214	8.08344	4.59647	4.35255	4.89742

HOTAIRI	5.81078	5.54064	6.13336	5.61435	5.45472	5.92473	6.12342	5.44274	5.80642	5.61631	5.57221	6.27955	5.73158	5.19056	5.5046	6.71017
HOTS	5.35597	5.18587	3.40102	2.92162	3.0533	3.44117	4.78492	2.75656	3.17124	3.60777	2.86424	4.39036	1.73296	2.16332	3.03267	2.99971
HOTTIP	4.86538	6.70913	5.95553	6.68677	6.17842	6.75996	6.83752	7.10136	5.50567	6.12794	6.37629	7.12767	6.58264	6.10884	6.44753	6.72205
HOXA-A	3.94083	4.39175	5.0084	4.88663	5.33068	4.9537	4.66895	4.80306	4.91574	4.45763	4.49693	5.07599	5.10572	5.0069	4.47902	6.09438
HOXA-A	5.32454	5.04076	4.25556	5.66702	5.17658	5.55264	5.56307	6.23123	5.56217	5.13703	5.0069	5.44151	5.61273	5.9868	4.89253	5.63419
HOXA1	2.91334	4.0953	4.39215	4.47048	6.67044	5.24358	6.81906	7.19596	8.05612	4.0807	6.30615	4.4643	6.72193	6.06571	5.77111	6.83535
HOXA10	4.41015	4.8294	5.15094	4.94835	6.30347	6.84483	7.08255	5.71924	5.53338	4.78714	6.99046	4.61798	5.15888	7.29669	7.21448	8.30721
HOXA11	2.88648	3.40772	3.64403	3.79846	5.13747	3.39754	3.84298	4.25266	4.96603	2.90014	4.33416	4.4838	4.38066	3.96188	4.22631	4.77053
HOXA11	3.58007	3.84116	4.09469	4.196	4.27723	4.79031	4.50964	4.01473	3.44713	3.94849	4.83993	4.48301	4.55465	3.83495	4.41182	4.79043
HOXA13	2.86736	3.129	3.33802	3.05781	4.2689	3.18189	4.30115	3.40556	4.15054	4.04301	2.76133	3.13842	2.91513	3.82716	5.1842	4.88552
HOXA2	1.37327	1.91586	2.11428	4.76672	2.89774	1.68859	4.97071	1.61881	1.53958	1.87612	1.95222	4.4329	2.26476	2.31516	3.34075	4.18842
HOXA3	4.69294	3.6144	5.45997	5.3128	6.87387	4.81223	6.2807	7.01461	5.80159	5.38933	4.40686	6.25466	7.33526	7.51973	6.83716	6.61915
HOXA4	3.81865	5.03176	5.4895	5.64142	7.01269	5.85664	5.83208	6.58645	6.97684	6.6608	6.72621	6.21598	6.55911	5.82543	6.24612	7.01461
HOXA5	4.93295	3.13884	5.64598	5.45803	5.51597	5.68938	7.08603	7.56512	6.08246	4.78962	6.27756	6.17373	6.58666	3.55944	4.49023	7.97105
HOXA6	6.29625	7.05272	6.35806	6.31876	5.90386	6.36476	7.35018	7.92893	5.67127	6.04533	6.76629	6.3934	6.38109	6.73699	5.84548	6.44309
HOXA7	4.77643	4.84794	5.10366	4.66168	5.35063	4.80583	4.94944	5.43134	6.36158	4.92554	5.25642	6.23594	6.78435	5.33068	4.58244	7.72349
HOXB-A	7.10697	6.46269	6.11535	6.93931	6.19263	6.56713	5.33521	6.00101	6.03795	5.60601	5.77111	6.13885	5.30238	5.27381	5.78941	6.14896
HOXB-A	4.4881	4.3717	4.42658	4.74602	4.72556	5.30066	4.94172	5.09584	5.07559	4.91529	4.89951	5.28081	4.65539	4.37703	4.68245	5.01851
HOXB1	4.41747	5.40516	6.02713	6.13534	5.26675	5.76382	6.49605	5.1686	5.98394	4.71261	6.21479	5.58847	6.06884	6.4564	5.79382	5.91387
HOXB13	4.50899	4.09395	4.64607	4.21402	6.21741	4.74959	4.20655	3.40487	4.02009	4.25252	3.70908	4.40279	4.71717	6.13418	4.23928	4.34511
HOXB2	6.44898	5.04627	6.84461	7.22267	4.98443	6.12936	4.07312	7.07535	6.59181	8.67259	7.4571	7.70081	4.63261	4.35255	6.08974	5.5093
HOXB3	6.48757	6.20071	6.75544	6.63705	6.76637	6.10182	5.60661	6.00833	6.95554	7.03543	6.80682	5.61701	5.08574	5.99025	6.09052	5.84468
HOXB4	5.9804	5.55145	6.31563	5.0822	6.97222	5.22596	7.5588	7.30165	7.07999	6.55405	8.27303	6.06475	7.52821	6.71359	7.7049	5.95703
HOXB5	6.95554	7.07983	7.07585	6.8284	6.2407	6.17476	6.86411	7.21742	6.78541	7.06066	6.63624	6.77952	7.39805	6.99749	6.65014	7.28649
HOXB6	5.41625	5.84854	6.09528	5.58335	5.67467	5.58265	5.98237	5.80344	5.51836	4.99733	5.45055	5.37133	5.86242	5.85146	5.01176	5.98617
HOXB7	4.49578	5.16701	5.79778	5.48325	6.29386	6.81149	4.57105	5.31683	5.8392	4.76177	6.76807	5.47218	7.15506	5.86958	5.08103	5.23842
HOXB8	2.36219	3.17712	3.49121	4.12592	3.27018	3.57717	3.54991	2.87864	3.52145	3.11999	3.98362	3.46695	2.93758	2.78532	3.75809	2.65281
HOXB9	3.88508	4.03231	3.96071	4.79823	4.10879	4.38323	4.29414	5.47164	3.98066	5.02124	3.57935	5.62113	4.56473	3.69279	4.10591	4.03827
HOXC-A	3.00675	2.94714	5.19903	4.33153	2.81309	4.61047	3.0573	4.20991	4.07916	4.44999	2.77081	4.6265	4.2792	4.9403	5.08582	5.72837
HOXC10	6.39003	7.40302	7.3775	6.60677	3.88843	4.58796	6.71054	6.80876	5.53587	6.06544	6.815	7.33828	6.85014	6.16168	6.8906	7.06621
HOXC11	5.67016	6.21572	5.94218	6.3884	6.27654	6.01138	7.06373	6.62481	6.42733	6.27933	6.02997	6.79262	6.80069	7.12611	6.5702	7.0979
HOXC12	5.13682	4.79439	5.4895	5.31891	4.76678	5.60571	5.39211	5.02351	5.10973	4.6502	4.89126	5.22251	5.26233	4.2359	4.99358	5.2845
HOXC13	5.44106	3.78714	4.44205	4.33153	5.45343	5.9445	5.6242	4.39881	4.40538	4.26756	3.92452	5.82688	6.08846	6.43957	5.85419	5.57353
HOXC4	7.45894	8.02057	8.21836	7.3725	7.47582	7.89362	7.90724	7.28342	7.93452	6.85376	7.7952	7.84993	8.20121	7.72786	7.88149	7.36002
HOXC5	6.31876	3.6843	4.89489	3.54894	6.22873	3.71116	3.93793	3.96044	3.04535	3.00855	3.35206	3.04581	4.57984	3.95895	4.34246	5.88338

HOXC6	5.32883	6.81431	7.70612	6.08225	9.25462	8.2938	9.52795	8.62877	8.95215	5.68695	6.47888	9.10947	9.4722	9.60364	9.1574	8.76081
HOXC8	5.14857	4.2689	4.00732	4.90452	4.71898	4.15792	3.73393	5.55993	3.79382	5.18807	5.13338	5.26053	5.08115	5.10776	5.22992	4.67059
HOXC9	2.53024	2.95972	3.08807	2.92162	5.83766	3.27349	3.03237	2.93245	2.79078	2.47565	3.94748	2.66471	3.12086	3.39861	4.00119	5.87771
HOXD-A	3.42813	2.77081	2.38251	3.06525	2.33881	2.36638	1.85693	3.8281	5.11766	2.31329	3.15604	5.38286	3.43133	2.34474	2.63378	2.88582
HOXD1	5.08609	4.57356	4.34433	4.91432	3.31223	5.00397	4.28781	5.59184	4.78836	5.29048	4.68925	5.30469	5.1836	5.10708	4.57356	2.62826
HOXD10	4.17338	3.71651	4.45956	4.01473	3.93262	4.12004	4.52549	5.04772	3.97544	3.33424	4.07826	4.43787	5.56338	3.41948	3.99432	3.50721
HOXD11	4.53702	4.58555	3.57935	3.9262	3.93705	2.86136	5.32956	4.39128	3.69577	2.44811	4.77111	5.61268	5.7348	3.10839	5.61273	5.2818
HOXD12	3.02599	2.53824	2.79272	2.95827	2.50418	3.15165	2.42155	2.46648	2.70734	3.41751	2.75175	2.94469	2.59488	2.68036	2.93032	3.28662
HOXD13	3.59361	4.73627	3.9739	3.0919	4.47382	4.50367	4.15744	3.6454	3.68721	4.57499	4.23458	3.80301	4.0351	3.35726	3.42914	4.52549
HOXD4	2.58692	2.29438	2.90619	2.22193	1.93871	2.39513	3.08298	3.37974	3.09248	2.12186	2.6113	3.10037	1.35312	2.72254	3.13607	2.88582
HOXD8	7.27347	7.2324	8.39534	7.16295	7.62329	7.84207	8.15584	7.58483	7.07999	7.65355	7.75876	7.48814	7.72159	6.71904	8.29485	7.08637
HOXD9	4.24836	5.39736	5.44592	4.66095	4.38917	4.3486	4.05696	3.89582	3.72183	3.93765	4.88663	4.74249	5.0084	3.74062	3.85196	4.69036
HP	5.91716	6.19713	6.34544	5.72192	6.21435	7.19775	6.54748	7.62165	5.81987	10.5573	5.58837	7.19897	5.22455	6.02588	5.54464	6.95533
HP08942	5.97772	6.17352	7.00694	3.76038	6.74791	6.54069	5.98797	6.34224	5.96744	7.03075	5.12779	6.29883	6.30369	6.94009	5.85223	6.91129
HP09025	3.85425	6.08983	5.51657	5.8045	6.46001	5.38506	5.65866	4.92969	4.57006	5.53587	5.7354	5.57353	6.65084	6.18234	5.39763	5.74475
HP1BP3	7.46031	6.69435	7.87748	7.57059	7.26021	7.60818	8.31119	7.98651	7.52444	7.67624	7.67333	7.50077	7.81452	7.65632	7.86759	7.65557
HPCA	6.03361	4.00768	4.44205	5.26993	5.67359	5.01102	3.39293	4.03916	4.3624	5.56444	3.111	3.60204	5.97368	5.30223	3.71004	5.3575
HPCAL1	5.13806	5.72232	5.77919	5.11832	5.88677	5.80193	5.23146	5.88838	6.14215	5.25591	5.50474	6.20252	5.57261	6.40021	5.30826	6.44343
HPCAL4	4.67509	4.35575	5.27276	3.93262	4.20875	4.73212	5.26424	5.7588	4.68428	4.78836	4.49656	4.49669	5.31186	5.12665	4.83247	4.82391
HPD	2.68367	3.07762	2.42383	2.12186	2.21727	2.65434	2.0296	3.10948	2.67969	2.57765	1.85273	2.63249	2.96494	2.31516	3.12323	2.28681
HPDL	3.64066	4.30232	2.94797	3.8281	3.12473	2.83735	3.52327	2.64349	3.04535	3.46275	6.28577	4.89553	3.9262	3.23061	2.79339	4.02973
HPGD	6.26246	7.81334	6.7877	6.89843	8.28261	6.64176	5.92045	6.81306	6.5545	6.27405	8.53743	5.82241	7.27807	6.72785	7.07198	6.5805
HPGDS	6.10937	5.9748	5.99084	6.49221	5.35918	5.23419	5.76985	6.7516	6.18897	6.10559	5.74019	7.06843	6.27623	7.20767	7.28524	6.05296
HPN	5.89711	5.64993	6.19154	5.76588	6.15893	5.93894	6.24397	5.87887	5.60018	6.54319	5.75058	6.22542	6.01907	6.06026	5.94601	5.39922
HPR	2.75185	2.8813	2.99564	5.563	2.71531	2.88086	4.008	3.17146	1.63986	6.20038	2.52439	2.2743	2.8623	3.18151	3.41773	3.41778
HPRT1	6.0987	4.85291	4.80362	5.50829	5.94952	5.09913	5.7588	5.84738	6.47903	4.7616	7.08952	4.63367	7.89362	5.14525	4.62221	5.72971
HPS1	5.5785	6.16248	5.879	5.5755	5.44452	5.50359	4.98558	5.45233	5.43864	5.15758	6.34562	6.58459	5.86194	5.8691	5.75808	5.61784
HPS3	6.85409	6.38394	6.8987	6.43533	6.53547	6.5162	5.31079	5.89327	6.80517	6.36107	7.01847	6.54188	5.89863	5.17349	6.42415	5.9784
HPS4	7.37333	7.6187	7.52638	7.22828	7.89329	7.11556	7.60537	7.48191	7.19334	7.26944	7.41663	7.96148	7.10941	6.97485	7.59643	7.59541
HPS5	6.39985	6.59293	6.53519	6.5917	7.60105	7.24254	6.26996	6.43689	7.39264	7.39264	7.33814	5.31546	6.89616	6.37294	6.83673	7.59661
HPS6	5.58238	4.55398	5.54077	6.09718	5.61959	6.33063	5.18445	5.81123	5.62492	4.56123	5.77244	5.98353	4.74829	6.38175	4.96394	4.85711
HPSE	5.67573	6.68395	6.46712	5.61508	6.751	5.73024	5.38724	6.98197	6.31537	4.50253	7.76799	5.81102	5.8995	5.72931	5.9336	7.12205
HPSE2	2.34348	2.49227	2.59102	2.95827	2.47594	2.15563	2.67152	2.61382	2.22165	3.09196	2.97056	2.59016	2.88174	2.82083	2.39175	2.63794
HPX	5.08995	5.4168	5.12208	4.76854	4.63871	5.45949	4.87271	4.97988	4.34233	5.67359	4.78908	4.20101	4.20957	5.39197	4.16172	5.11528
HPYR1	4.45763	3.53466	4.00373	3.47743	4.29394	4.82391	4.78664	4.66043	4.81915	4.88684	3.7913	4.17313	4.65694	4.85148	4.18267	4.1913

HR	5.31219	4.75315	5.4471	5.60149	5.63395	6.03191	6.58459	5.95579	5.43449	5.75191	5.30191	5.50846	5.91698	5.33126	5.80335	5.7256
HRAS	7.18371	7.93941	7.47911	7.53557	6.74566	8.37595	7.99984	7.26997	7.5679	8.25549	7.9949	8.41642	8.36324	9.18959	6.96393	7.33152
HRASLS	6.08001	5.51103	4.08601	4.12557	4.01411	2.71733	7.21448	3.48275	4.3157	6.633	5.34359	5.44544	7.03044	4.10106	4.21435	3.12884
HRASLS2	5.30604	5.74832	4.76297	5.78176	4.92554	4.94125	4.79562	5.00115	5.62838	5.21176	4.50143	5.57201	5.19303	5.14061	5.26764	4.7897
HRASLS3	6.45625	6.15126	6.41151	4.77111	5.56418	5.1418	5.50806	4.92341	5.69071	6.233	5.39886	5.8704	5.71939	5.53079	4.9891	5.9857
HRC	1.26457	1.9808	2.00164	1.444	2.1445	1.4697	2.42155	1.51119	1.59296	2.01376	1.54854	1.3666	1.53958	2.22838	1.70284	1.89302
HRCT1	4.37472	3.84364	4.01284	3.6357	4.01874	3.6993	4.05033	4.07245	3.94629	6.01426	4.19874	2.8813	2.2085	2.88516	3.91498	4.10052
HRG	3.98066	4.41516	4.86538	5.09394	4.65072	4.44519	5.41393	5.68993	4.25355	5.41267	4.75104	6.03389	4.13125	5.29562	4.22158	4.78876
HRH1	4.81438	3.77469	5.54563	4.76569	4.19514	4.07634	5.11141	5.11644	4.98595	3.85196	5.14354	3.84066	5.00482	4.79781	5.2376	4.0977
HRH2	4.9553	5.33296	4.73407	4.52648	5.68081	5.70777	6.29926	5.38422	5.49113	5.74224	5.53911	4.95899	5.72094	5.46541	5.71461	6.55434
HRH3	4.62043	4.89016	4.73045	4.68339	4.66437	4.63436	5.03997	4.88224	4.87251	4.56962	5.05869	4.89742	5.04748	5.316	5.02328	5.07734
HRH4	3.90468	3.1074	4.49959	5.3608	2.92938	5.10752	4.82254	4.83965	4.44205	4.84205	4.87682	3.69027	5.61854	5.11999	4.73591	4.83683
HRK	5.22442	5.3139	5.2576	5.27065	4.91198	5.19399	4.44343	4.9001	5.62788	5.31649	4.48551	4.82547	5.06736	5.17323	4.56962	5.35171
HRSP12	3.53272	4.45365	4.70821	4.76445	5.66702	5.32967	4.63097	4.92302	4.64981	4.05411	4.53976	4.709	5.98966	5.83966	5.2325	6.73451
HS1BP3	4.73591	4.47054	4.12898	4.3009	4.16955	4.96626	4.63899	4.42658	4.47807	5.08995	4.66353	4.56962	5.08232	5.06219	4.6592	4.80682
HS2ST1	4.65418	5.49443	6.15255	5.81578	6.55426	6.1209	6.10809	5.29075	5.62901	5.96999	6.51208	5.48621	4.99833	5.36229	5.81525	5.26645
HS3ST1	5.49899	5.55865	5.06242	4.74559	4.2754	4.39023	5.12109	4.7669	4.78444	4.61877	5.08115	5.08574	4.6173	4.34651	4.13266	4.24019
HS3ST2	4.96737	5.54926	6.25521	6.22568	6.21435	5.61194	4.64688	7.06274	7.91065	6.87697	6.4751	6.28872	6.82702	5.75672	5.87367	6.71599
HS3ST3A	7.11366	7.66822	7.50734	7.63045	6.39408	8.02662	6.38687	7.5206	8.28122	6.05367	7.75362	7.19136	5.90923	5.90555	6.73599	7.59878
HS3ST3B	6.55768	6.67366	7.2935	7.11951	6.64563	5.70887	6.5917	6.93472	6.42187	6.58362	7.49041	6.92598	6.90407	6.61079	7.00926	6.6449
HS3ST4	3.85425	3.35252	4.63576	3.10053	8.96525	9.36543	8.0731	4.61194	4.51187	2.75002	3.90646	5.61554	5.29674	8.23177	9.08092	3.24808
HS3ST5	5.30688	2.61396	5.42722	3.54894	3.71929	5.54525	3.64382	4.17171	4.88674	4.3268	3.79556	2.2269	5.23232	5.02185	4.36165	5.46892
HS3ST6	7.73044	6.35785	5.44194	6.62636	6.21304	4.66192	5.61771	5.02351	4.74411	4.94262	4.68317	5.30024	5.35907	4.86667	5.74427	5.25031
HS6ST1	4.69327	4.95585	5.18703	4.67236	5.19592	5.86108	4.91397	5.08873	4.96752	5.1957	4.92218	4.72336	4.77818	5.13767	5.44954	5.03262
HS6ST2	6.02499	6.20086	4.73241	5.69946	5.88508	6.23437	8.29592	5.76092	7.09873	6.88783	5.78504	5.44505	5.85631	7.07704	6.3057	4.24573
HS6ST3	3.7087	4.55333	4.12751	4.68387	4.49747	3.56706	3.95644	4.41154	3.47335	3.67214	4.20319	4.68091	3.93204	4.23119	3.90824	3.90408
HSBP1	10.0259	9.54799	8.95531	9.20103	8.86149	8.83277	9.61082	9.46022	9.25156	9.57938	9.48636	8.48955	9.86652	9.49156	9.29696	9.55947
HSBP1L1	8.34337	7.86057	7.3721	7.9954	6.7904	7.67492	8.57967	6.79149	6.82826	7.93896	7.02582	4.77927	6.71791	7.61408	7.29975	7.89413
HSCB	6.87678	7.55124	7.91179	7.15173	7.23209	7.86404	7.35585	6.40125	7.28879	7.71496	7.59121	8.55015	7.75483	7.17117	7.24231	7.3259
HSD11B1	5.78387	5.67407	7.30682	5.68446	6.47219	5.48131	5.70189	6.55748	8.44288	5.93577	8.40792	6.09492	7.42962	6.16536	5.37466	6.20798
HSD11B1	6.751	6.01546	5.71535	5.58299	5.26541	5.96696	5.16578	6.04166	5.24588	5.76203	4.86031	6.19736	5.49848	5.74512	6.18038	5.97567
HSD11B2	5.19994	1.44837	1.19537	1.63196	1.97947	1.36658	4.67019	1.44837	3.57258	1.59139	3.57447	3.91935	1.73296	1.36152	1.35876	3.50454
HSD17B1	6.687	6.82357	6.03639	6.1846	6.53939	6.77286	6.566	6.50855	6.45915	6.76162	7.059	6.59148	6.47564	6.38477	6.21741	6.44845
HSD17B1	10.2011	10.8912	10.429	10.794	10.1211	10.8573	10.6233	9.87831	10.1739	10.4209	10.7467	11.2756	10.298	10.794	10.2667	10.7178
HSD17B1	9.16254	8.95482	8.86796	9.15554	8.84953	7.89962	9.83943	8.55042	8.48462	8.12782	8.39497	7.41008	8.15363	8.70805	8.57292	8.62832

HSD17B1	7.00568	7.01044	6.16004	6.59858	6.74019	6.21634	6.78728	7.26423	6.50774	6.17098	6.3797	6.59283	7.40347	6.39528	6.83089	6.82737
HSD17B1	5.54077	6.64525	6.34875	5.80739	5.99707	6.10632	6.43458	6.06525	6.55067	6.06308	6.30532	6.34979	6.10863	6.26907	5.71771	6.1024
HSD17B2	6.58737	6.21572	6.86492	6.99578	2.87786	2.58692	3.40901	3.86842	3.36695	10.2415	7.49794	2.86273	2.42653	5.27526	3.66756	6.93874
HSD17B3	4.20074	6.11134	4.42144	3.28542	3.80647	3.35168	5.01511	3.69279	3.82945	4.55883	4.32438	4.74678	3.62729	3.99364	5.31252	5.30548
HSD17B4	7.00057	7.3959	7.17913	7.50047	6.51419	6.97441	6.77322	7.46926	7.51081	6.72166	6.52919	6.82429	6.33083	6.49184	7.53012	6.47803
HSD17B6	6.31181	4.77857	6.10379	5.6255	6.13951	5.35968	6.26444	5.62925	5.84031	5.37568	5.86223	5.72269	6.28755	6.05003	6.06266	4.60192
HSD17B7	9.1358	8.75124	9.13234	8.6703	8.71838	8.79617	9.24769	9.02566	8.9255	9.10516	8.39352	8.48395	8.36147	8.83744	8.66491	8.78616
HSD17B7	3.80647	3.77816	5.45881	4.98755	5.0817	4.84871	4.94479	5.82855	5.60919	3.07203	4.93717	5.74934	5.21117	5.23942	5.35772	3.6836
HSD17B8	7.87876	8.04991	7.33205	7.75916	7.59235	7.22892	7.24656	7.70121	8.07356	8.93737	7.4619	8.4721	7.91288	8.20021	7.27843	7.68234
HSD3B1	4.10176	4.4943	3.72049	3.97544	3.82629	3.17857	3.17351	3.49691	5.19477	2.53152	3.92098	3.123	2.97556	3.88127	2.75326	4.2476
HSD3B2	3.55406	4.06184	3.95509	3.68459	3.53187	4.15142	2.74868	4.12351	4.23209	3.4527	4.52512	2.87657	4.29253	3.71405	3.5358	3.52647
HSD3B7	2.75185	3.87677	4.00732	3.13915	3.50802	3.33634	3.76501	4.28482	4.27526	3.99153	5.10329	4.56642	2.7752	3.57546	3.67604	2.79166
HSDL1	7.01477	6.94695	6.65267	6.18506	6.60843	6.10997	6.4978	6.47918	7.15958	7.47229	7.20587	6.31431	6.69178	6.8053	6.96135	6.89972
HSDL2	5.81858	5.92319	5.62092	5.6018	5.75547	6.4091	5.41144	5.51639	6.65193	6.86221	6.29404	4.84794	6.31646	6.26194	6.323	5.89522
HSF1	2.86402	3.14932	2.22165	2.32321	2.42207	3.41248	1.59381	2.19745	4.08748	3.33505	4.5803	2.82474	3.59924	3.47059	2.40819	2.97356
HSF2	4.15142	5.40039	6.27917	5.86024	5.67735	4.75295	5.8839	4.52489	4.46592	4.55677	4.62463	3.99461	4.46232	6.02933	4.73535	4.89377
HSF2BP	6.82903	6.26802	6.04656	6.48445	6.49966	5.31236	6.25794	5.7092	6.13912	6.72801	5.90526	5.92734	6.35231	6.21786	6.03567	5.30548
HSF4	4.51157	4.52298	4.64127	4.50716	4.24079	4.3562	4.43758	4.89413	4.46917	4.47533	5.91445	4.85676	4.78966	4.75817	4.46357	4.57777
HSF5	6.39003	6.17652	5.27161	5.29187	6.31611	6.05719	4.10344	6.43173	4.90488	5.57193	5.64281	6.85555	6.42316	4.55761	5.95087	6.03781
HSH2D	6.27789	7.39005	7.27783	6.70889	6.82761	6.10997	6.33808	6.8657	6.11965	6.14088	6.82348	7.14001	5.06106	5.70403	6.5702	2.15094
HSP90AA	11.3355	10.3765	10.7134	11.2278	9.77946	10.5753	10.8808	10.6889	11.4424	10.617	10.4094	10.2145	10.6118	10.4519	10.4519	10.5398
HSP90AB	5.50973	4.82081	4.41214	4.93197	6.22269	5.50994	4.72517	5.49373	6.18553	5.91276	5.16727	5.15387	4.32602	5.51543	4.96357	5.52355
HSP90B1	5.18807	4.45895	5.9294	6.62898	3.92989	5.65805	6.88127	5.49219	6.80929	5.50431	4.60548	6.17676	6.3351	4.9039	4.95287	5.56103
HSPA12A	6.50381	5.94871	5.85334	6.13935	5.75236	5.66737	5.5118	6.03236	5.53386	5.90377	5.29199	5.92644	4.29189	5.64066	5.1487	6.08718
HSPA12B	5.78528	5.83248	5.94627	5.9345	5.73131	5.75961	5.6836	6.74939	5.84328	6.45276	5.63452	5.53761	5.01373	5.22796	4.56504	3.93793
HSPA13	6.81149	7.58117	9.46371	8.51686	8.28007	7.68457	7.65726	8.50784	8.32269	8.48009	7.95514	8.28007	7.20155	7.1324	8.34789	6.84737
HSPA14	7.39935	8.06777	7.63362	7.79766	7.94114	8.07239	8.51297	8.63335	8.1697	7.81974	8.07142	7.96702	8.53743	8.06417	8.37975	8.28436
HSPA1L	5.03092	3.87392	3.9473	5.33145	3.83791	4.13607	3.22812	3.99287	5.40895	3.99573	4.32142	4.70279	3.82659	4.02495	4.72209	3.60362
HSPA2	9.06728	7.00339	7.14735	7.34801	7.5206	7.61974	6.18041	7.11639	8.02754	7.92161	8.23349	6.83404	7.25	7.87977	7.29654	6.6127
HSPA4	7.11329	6.90997	6.30457	6.19616	6.23723	7.0242	7.66888	6.63258	6.96393	6.27509	6.77308	5.96883	7.10108	7.2941	6.79643	6.70956
HSPA4L	5.97352	5.90202	6.01839	6.36107	8.20591	6.14133	7.24986	6.58025	5.76339	6.78398	6.16466	6.90744	7.66727	7.75974	8.43726	7.48739
HSPA5	8.62607	7.71341	9.19651	8.31951	8.47465	8.49014	8.12675	8.78035	8.87147	9.49286	8.71927	8.3496	7.73665	8.46973	8.90934	8.82383
HSPA6	6.58818	7.72821	7.79551	7.53993	7.20098	7.27934	6.69937	7.3146	6.88372	7.30789	8.15909	7.77998	6.93502	6.98607	7.11951	7.17376
HSPA9	7.1266	7.02978	7.21035	6.68807	7.30538	6.62977	7.75853	7.50595	7.65979	7.34135	7.78199	6.86056	7.35544	7.81112	7.51651	7.51144
HSPB1	8.70529	8.82891	6.61905	8.74609	8.32579	9.76458	10.7267	5.43004	9.65997	6.98234	9.35144	9.37612	9.25104	10.9359	9.41034	9.41655

HSPB11	8.11669	7.53803	7.53547	8.09882	7.63966	8.15161	8.06308	7.80077	7.44986	6.95472	7.54087	5.88995	7.78475	7.14464	7.63966	7.43046
HSPB2	3.75698	3.99153	3.90511	3.51493	4.13167	3.71116	3.50564	4.03916	4.18653	5.06097	4.20991	5.7063	3.88172	3.6144	4.01749	3.98264
HSPB3	4.30102	5.27329	4.13154	5.05502	4.30494	4.25611	6.31657	5.73921	4.49404	3.60777	6.04817	4.92491	3.82075	4.10225	5.86754	5.19927
HSPB6	4.58384	4.65232	6.40325	6.51161	5.23432	5.52262	4.79506	6.86032	4.648	6.30059	4.58644	5.70221	5.91964	5.18249	6.07229	5.29562
HSPB7	2.15536	2.33582	1.81049	2.39337	2.67303	1.92725	1.7041	2.31873	1.84826	1.99402	2.20259	3.7184	2.18995	2.21029	1.59595	1.91149
HSPB8	5.582	6.05731	6.48455	5.7874	4.3863	5.80439	5.94675	7.85138	6.9634	8.41394	6.26423	6.02198	5.73868	5.85506	5.42546	4.96002
HSPB9	5.13232	5.25098	5.52519	5.91883	6.00176	6.24733	6.17878	6.71281	6.06266	5.96497	4.33293	5.46197	6.06109	5.85636	5.87492	5.30548
HSPBAP	7.52519	7.52624	7.5193	7.55377	8.08183	7.90327	7.21691	8.32303	7.77111	6.99511	7.09158	7.92119	7.85716	7.5985	8.15536	7.86992
HSPBP1	7.7621	7.17527	5.24327	5.87492	6.90431	6.79347	6.50339	4.37563	6.55414	6.36658	6.96067	7.66346	6.35743	7.10208	4.8692	6.79431
HSPC081	5.63013	5.52199	5.75828	6.46539	6.23919	5.53483	6.15963	5.79806	5.62571	5.87873	6.08743	5.63875	6.23157	6.00568	6.48805	6.13608
HSPD1	6.04465	5.52864	5.99268	6.09592	6.40117	5.83943	7.47109	5.57458	5.8846	5.75357	6.38805	5.75467	6.32898	6.77061	6.642	6.57013
HSPE1	9.43414	9.53631	9.71214	9.91866	10.149	10.9164	11.0741	10.0856	10.2459	9.08296	10.7267	10.3399	11.1275	10.5276	10.8621	11.0563
HSPG2	2.92533	3.14636	2.93063	3.49001	3.34999	3.43351	4.50994	3.44307	2.72936	4.25526	4.05943	3.85542	4.1925	3.06175	3.49388	2.34856
HSPH1	7.8854	6.9611	6.76898	7.82145	6.78137	7.2075	8.28199	6.67336	7.17515	6.04297	7.19036	6.02667	6.53163	7.14234	6.60987	7.33526
HTATIP2	7.04784	6.83657	6.60987	6.22463	6.75415	6.35836	7.46566	6.089	7.40994	6.66446	7.10969	6.81648	7.16225	6.95677	6.73522	7.08988
HTATSF	7.23993	7.93138	8.05785	8.14909	7.43307	8.00978	8.23984	8.05986	8.21397	6.88035	7.79666	8.00403	6.78078	6.50001	8.10686	7.23978
HTATSF	4.17798	1.16965	0.9957	2.00313	1.93871	1.42001	3.68625	0.48812	-0.238	-0.3067	1.74872	-0.133	-1.4826	0.62135	1.00765	1.70353
HTN1	3.11441	2.36797	4.48486	4.55668	3.94739	4.72913	4.67727	5.60468	6.06266	7.53361	5.33157	4.48862	4.57984	4.43638	1.88334	4.83068
HTN3	0.248	1.91586	1.73976	1.55195	0.34005	3.13279	0.01726	1.96139	0.69487	2.93344	2.04035	1.69916	0.76448	0.55613	-0.0459	1.45205
HTR1A	6.24052	5.52577	5.54788	5.58812	4.63576	5.7251	5.50534	4.46162	5.27471	6.15963	5.89465	3.45239	5.8273	5.82837	5.25098	5.01962
HTR1B	5.9804	5.18234	5.33567	5.18214	5.57898	5.89174	5.19716	6.41307	6.01713	6.63564	5.76663	3.89608	5.42243	3.79618	5.88618	5.92868
HTR1D	3.89772	3.11174	5.68631	4.71279	4.40686	3.28947	4.78492	6.15282	2.86093	5.67897	4.61069	5.95183	3.47767	4.92151	5.89237	4.67059
HTR1E	6.87509	6.44624	6.94101	7.03205	6.74298	6.75906	6.89597	7.26312	7.18439	7.73683	6.71717	6.32781	7.04207	7.5931	7.05409	6.66639
HTR1F	5.32883	6.46685	6.18497	6.42817	5.61572	6.47506	5.66468	6.97901	5.88266	5.68265	6.07237	5.63434	3.95924	5.96143	5.68156	6.36799
HTR2A	5.30847	5.30988	5.16028	5.39029	5.02623	5.81705	5.06381	5.23232	4.89773	4.38541	5.12193	5.05005	4.31728	5.24317	4.60781	4.54107
HTR2B	4.37472	5.44903	6.1118	4.73609	8.26535	5.63647	5.7251	5.87887	4.83468	5.53587	5.0773	5.85641	5.14236	5.42385	6.12617	6.07197
HTR2C	4.85056	4.8258	4.72987	5.43256	4.26297	4.19903	3.72831	4.27298	3.8377	3.42172	3.91364	4.00917	5.22914	5.16259	4.15353	4.36498
HTR3A	4.36417	3.9077	4.07485	3.74788	4.08195	4.23643	4.46879	4.11511	4.00997	3.94907	3.76136	4.35086	3.98146	4.026	4.5022	3.90071
HTR3B	6.23145	6.36113	5.67169	5.9482	6.71732	6.49265	6.83211	6.73081	5.96981	7.05993	5.63045	4.92491	6.18419	6.78172	5.72807	6.14245
HTR3C	5.46677	5.10307	5.56009	3.97084	3.94739	4.16542	4.26699	4.23662	4.50459	6.6651	3.79556	4.49442	3.93646	3.9712	3.88013	5.11359
HTR4	4.42618	3.19458	4.94944	4.03638	3.57057	4.02254	4.44851	5.15063	4.37224	3.81694	4.30608	4.86142	4.37613	3.63964	3.78894	3.37794
HTR5A	4.33259	4.5803	6.09771	3.76038	3.95816	4.17971	3.77935	4.49662	5.09913	4.17211	4.24944	4.11653	4.85376	5.26764	4.34246	5.60255
HTR6	4.76177	5.09145	4.25355	5.13872	4.98644	5.13629	5.22992	5.07971	5.36141	4.80555	5.43281	5.48909	5.32911	4.9341	4.98595	5.54615
HTR7	5.55145	5.38422	5.2073	5.21352	4.68478	5.24052	5.43532	4.73125	5.05469	5.06219	6.0437	4.87152	5.61533	5.05401	5.46371	5.29075
HTR7P1	4.50783	3.9761	3.91364	4.36934	4.42298	4.29522	4.48738	4.41443	4.193	4.16516	4.11164	4.0351	4.72939	4.34027	4.33416	3.92098

HTRA1	9.31073	9.01766	9.55408	8.68624	9.75247	10.149	8.13058	9.33845	8.53635	11.1434	8.81366	9.34263	7.51709	8.5974	10.4778	8.71927
HTRA2	7.47282	7.7017	7.89062	7.75049	7.9949	8.21095	7.40742	7.81974	7.98956	7.48191	7.69319	8.44632	7.55529	8.32816	7.55068	8.0064
HTRA3	7.03111	7.06828	7.49773	7.36045	6.86887	7.10208	7.34189	7.63825	7.08864	7.53993	7.02275	7.6187	7.2112	7.22669	7.46832	7.14421
HTRA4	4.23422	3.16637	2.98152	2.43076	1.20215	4.91415	4.73921	3.88575	7.08748	2.12186	6.87399	4.44009	5.80853	2.22838	2.6136	1.32709
HTT	7.80998	6.97754	7.30991	6.95429	7.31963	7.54948	7.15377	6.01189	7.55386	7.09901	7.44518	7.65686	6.34562	7.42589	7.25954	6.82532
HUNK	6.62353	5.13872	5.43309	5.81473	5.40153	5.73868	6.39428	5.09839	5.31789	5.02851	4.33627	6.01691	5.98199	4.87189	5.63647	5.7454
HUS1	4.65971	4.32396	4.69635	5.39073	5.42199	5.51437	5.80427	5.22442	5.51506	5.38276	6.26776	5.48589	4.57076	4.56255	4.33103	6.4838
HUS1B	5.3793	5.72192	4.32275	4.74354	5.24808	4.55979	4.8415	5.25952	5.65342	4.53679	5.19303	5.61052	5.12636	5.72259	5.08694	5.93772
HUWE1	7.32741	6.78863	6.85882	6.73828	6.79281	6.8874	7.72159	7.14679	7.0915	7.17376	7.36877	6.88246	7.02035	7.46989	7.12205	7.06124
HVCN1	7.84768	8.25993	7.92769	8.40158	7.57911	8.07647	7.67863	6.88557	7.95951	4.53581	7.77079	8.42736	6.94884	8.10975	8.48815	7.69763
HYAL1	4.09491	3.1532	3.807	3.21843	3.50802	2.74824	2.47678	2.95859	3.42477	5.31378	5.29638	3.61408	3.69964	2.28524	2.21248	2.9809
HYAL2	6.91614	6.97525	7.44183	6.79839	6.59237	7.64286	6.4034	5.5136	6.59478	7.75523	7.82907	7.29172	6.95968	7.36067	6.74124	7.5578
HYAL3	5.79561	5.55964	5.51228	5.11677	5.63906	6.22008	5.82427	4.32501	5.40317	6.16275	5.82134	5.07937	5.94021	5.03633	5.21162	6.56733
HYAL4	3.39513	4.37518	4.32665	3.27048	3.65448	4.0956	2.15094	6.3988	2.90046	4.41097	3.99549	4.07184	3.54537	5.09791	5.19273	4.77196
HYALP1	2.72538	2.21392	0.27064	1.73098	1.88842	0.89896	4.20319	2.88789	0.36087	1.5458	2.10233	3.23711	0.57957	2.62575	2.07498	2.45954
HYDIN	1.50761	1.40126	2.17949	0.78709	2.33881	1.09519	1.63196	2.17246	1.69898	2.57765	2.41572	1.122	2.59488	1.97057	1.81049	2.53538
HYDIN2	3.13246	2.94714	4.00732	3.33739	2.97095	2.72526	2.9333	2.8638	1.69898	2.61134	4.22933	2.56799	3.21485	2.74868	2.34348	4.10606
HYI	7.91179	7.68698	7.98057	7.70673	6.95257	8.01148	7.2954	6.35462	6.85834	7.83226	6.69674	8.25798	7.06488	7.73837	7.09937	7.79416
HYKK	5.95067	3.71031	2.81121	3.31099	2.63482	3.33634	4.008	4.08791	5.12092	5.63112	2.68367	3.90172	4.49752	2.82083	5.07609	3.85415
HYLS1	7.17352	7.27347	7.32435	7.65295	8.05955	7.44901	7.4571	7.8991	7.28649	6.30722	7.15262	6.71186	8.48187	7.62195	7.80984	7.7809
HYMAI	5.53895	4.98989	6.04001	5.7533	4.02718	4.72913	6.10048	3.60236	4.24836	6.38529	5.77642	3.64264	4.32095	5.45508	4.95919	3.80861
HYOU1	6.11204	4.70413	6.87258	6.09947	6.31611	6.1277	6.5777	5.3347	6.99217	6.30355	6.57234	7.11602	5.93008	6.28749	5.78757	4.70463
HYPK	6.99403	6.52564	6.10171	5.35874	6.03236	5.69186	6.50501	7.05041	7.04375	5.65002	6.19367	6.50184	6.59848	6.61599	6.14947	6.58522
HYPM	1.74742	2.04582	2.00164	1.73098	1.54197	1.59197	1.91146	1.73724	1.76451	1.82992	1.54854	1.59868	1.53958	2.05268	1.70284	2.19188
IAH1	7.1641	7.5111	7.38227	7.46068	7.60335	7.60335	8.43209	7.55108	7.90327	6.17896	7.38512	6.98222	7.60398	7.38746	7.25032	7.52478
IAPP	3.59987	3.69964	5.93612	3.68112	2.76484	1.68859	3.70182	2.61382	3.6792	3.26858	3.64053	5.37044	2.68899	2.86263	3.61218	3.5127
IARS	9.77645	9.84358	9.88457	9.46488	10.6461	10.2496	10.429	11.3913	9.95833	9.87831	9.71584	9.71584	9.85394	9.94907	10.6075	10.9164
IARS2	9.35952	8.91149	9.37098	9.68026	10.1902	9.5671	9.38269	9.47897	9.85394	9.6193	9.4807	8.8583	9.03131	8.96525	9.5293	9.88457
IBA57	6.18035	6.75251	6.72244	6.03408	6.82125	6.71337	6.62571	7.07467	6.58963	6.69613	6.81474	6.91031	6.66787	6.47126	6.77933	6.75886
IBA57-AS	5.43752	6.35641	5.34226	6.04001	5.97046	6.12326	6.63863	6.6117	6.6179	6.46055	6.00277	5.6703	5.58872	6.31353	6.45116	6.13076
IBSP	5.40242	5.71886	5.73265	5.70437	6.1613	5.29895	5.36713	5.94857	5.01314	5.08387	5.65292	6.35231	5.56628	6.1627	6.47407	6.30924
IBTK	6.87019	6.6827	6.28124	6.30709	7.04836	6.82609	6.36281	7.02532	6.58204	7.54421	6.82394	6.67421	6.77732	6.9667	5.85334	7.03353
ICA1	5.8116	5.9192	5.35784	5.87367	5.65267	5.51275	5.56719	5.69615	5.89502	6.39462	5.81553	5.73452	5.76786	6.04001	5.55973	6.41612
ICA1L	6.70618	6.8352	6.36534	6.8205	6.68773	6.74418	6.37229	6.23742	6.61757	6.72093	6.18943	6.46097	6.43573	6.08061	6.26018	6.43834
ICAM1	4.6945	6.74964	6.9154	5.69615	8.07018	5.98662	7.27263	6.71827	6.12998	5.25218	7.5386	6.37561	6.89966	7.92881	6.21237	7.28174

ICAM2	6.36684	7.52444	7.74315	7.92948	6.85331	7.23978	6.82623	8.03371	7.53729	6.33083	7.60335	7.89942	6.88409	7.8327	7.52671	6.78488
ICAM3	9.61231	10.7755	10.4989	10.5789	10.2011	9.88929	8.96525	10.6212	10.7467	9.64026	8.8525	11.5105	9.08188	9.29827	9.91866	9.25316
ICAM4	5.17869	5.82175	5.59274	4.98755	8.52934	2.93381	5.87931	2.78286	3.17124	4.70881	4.85938	5.40529	3.02655	8.11688	8.81505	4.09222
ICAM5	4.41574	3.64857	3.73527	5.69813	5.15954	3.17101	4.84572	5.08064	4.06977	3.2328	1.32308	6.21114	5.03426	6.28459	6.35513	5.48692
ICE1	8.48129	8.34481	8.49565	8.13389	8.68337	8.62563	8.28971	8.54552	8.6446	8.30348	8.53034	7.61387	8.33216	8.07378	8.53909	8.05225
ICE2	5.80509	6.21417	5.6566	5.85731	6.46461	6.13042	7.01656	5.41414	6.05758	5.31219	6.35062	5.63984	6.34271	6.3267	6.17248	6.77786
ICK	5.70986	4.65199	5.01176	4.79101	4.44454	5.09584	5.77478	4.53215	5.35416	6.10359	4.78274	4.15084	4.80555	5.65403	3.78553	5.08194
ICMT	7.48872	7.08393	5.76823	6.16815	6.14046	6.11865	6.48214	5.85864	6.841	6.19295	6.73309	5.56872	6.32223	6.79818	7.1371	6.80249
ICOS	7.68014	8.45546	8.30405	8.46536	9.03868	7.93745	7.54861	9.12606	9.51497	7.04626	7.57594	7.81169	8.19842	7.69867	8.90524	7.51458
ICOSLG	4.74559	5.57874	4.65137	5.42236	6.03354	5.82532	5.56916	5.47117	5.60769	5.03287	5.6018	5.56043	5.86223	5.64638	6.07859	4.80964
ICT1	7.66727	8.19737	7.17743	7.43803	7.60537	7.73683	7.00172	7.37885	7.98758	7.83903	8.27937	7.77611	8.18266	7.93633	7.79231	7.77339
ID1	8.87358	7.50244	8.77496	7.89413	7.48951	6.24099	5.57038	3.70769	6.8113	7.21373	8.51627	7.40643	7.36188	7.07903	6.51815	4.82631
ID2	8.39534	8.66226	9.51229	8.65818	8.17211	8.97179	9.25598	8.91763	9.01959	9.02691	9.35677	8.55383	9.24862	8.51258	9.34263	10.0988
ID2B	4.28431	3.57431	3.97055	3.50564	4.6969	2.45459	3.18384	4.18478	4.09292	1.59139	3.65202	3.14285	3.50584	2.57571	3.66756	4.13063
ID3	6.60518	6.7638	7.69066	8.08932	7.09026	6.97693	4.39009	4.46162	4.29487	7.3704	6.951	7.85877	6.72976	7.00752	6.66244	5.23232
ID4	6.04684	5.46528	6.028	5.60498	5.44544	5.65081	5.9118	5.52519	4.95231	8.48679	5.86803	5.31252	5.05302	5.11814	6.3586	5.16241
IDE	7.60105	7.64325	7.28713	7.20891	7.36129	7.50441	7.8583	8.0913	7.51436	7.52923	7.47174	7.24638	7.36016	7.85368	7.7273	7.84604
IDH1	7.57115	7.76924	7.72407	7.10136	8.83036	7.86216	8.41119	8.56997	9.13692	8.01968	7.98688	7.55265	8.95283	8.41276	9.7224	8.58812
IDH1-AS	5.40753	4.8244	4.79439	5.27776	3.70286	4.67381	5.27542	5.45391	4.48532	4.70305	4.95609	5.47823	6.1129	5.67243	2.45708	6.32848
IDH2	8.46025	8.81561	8.42443	7.93589	8.65431	7.92556	8.70076	7.39338	8.34789	9.45311	8.44583	8.92659	9.06823	8.87832	8.42675	8.57691
IDH3A	6.51148	6.48682	6.15753	6.23462	6.69306	6.52442	7.45787	6.93041	6.66787	6.56925	7.24802	6.08718	7.38369	6.78435	6.95847	7.18309
IDH3B	8.94645	8.81129	8.28887	8.40382	8.64714	8.80651	9.17299	9.00325	9.09601	8.98598	8.91477	9.1851	8.45757	9.13692	8.89342	8.70461
IDH3G	7.55265	7.60702	7.50555	7.68776	7.35274	7.77017	7.81607	7.54447	7.5219	8.08028	7.30569	7.97191	7.83976	8.33571	7.24638	7.57827
IDI1	7.73143	7.77079	6.81398	7.12487	7.73862	7.21997	6.86221	7.30991	8.02477	7.37234	7.65092	6.86032	6.4091	6.81149	7.80469	7.11489
IDI2	4.00401	2.99228	3.44341	3.25646	2.36593	3.24275	3.61825	3.21508	3.25201	3.07203	3.53979	2.24796	3.19903	2.25724	3.6535	3.76737
IDI2-AS1	5.90876	1.16965	5.46222	4.42279	5.76793	5.16359	6.18212	6.08384	5.6566	5.88112	5.31852	4.91392	5.72094	5.94499	5.2002	5.74611
IDNK	8.28774	7.70787	8.03457	8.34166	7.0724	7.38264	6.95994	7.92662	7.27295	7.94829	7.3591	7.68995	7.03517	7.2577	7.09315	7.75483
IDO1	7.40779	9.09551	10.3157	8.80058	9.31361	8.06968	7.36211	9.34186	10.0817	4.24348	11.3155	7.88762	9.91603	8.71458	8.47096	8.99622
IDO2	5.84764	5.97245	5.48664	5.74926	7.0042	6.36148	7.38166	7.56512	7.53582	3.37812	6.95897	5.88329	5.99542	6.13943	6.96898	6.54293
IDS	6.31164	6.37347	6.17811	6.16574	6.09438	6.09956	6.3708	6.36158	6.10848	6.20478	6.40096	6.59992	6.5143	6.14728	6.29494	5.8369
IDUA	4.90672	4.72092	5.02205	5.35015	5.16078	4.92944	4.91796	4.97329	5.39339	5.38452	4.77693	5.50567	4.76487	4.97329	4.67653	4.95609
IER2	10.5276	10.6854	10.6392	10.5954	9.86852	10.163	9.81312	9.71731	10.3679	10.494	10.5154	10.9118	9.75827	9.75979	9.57255	10.1104
IER3	11.5923	10.545	10.6932	9.78521	8.64502	9.00248	8.1697	9.96724	10.298	10.2804	11.4854	10.6816	9.04936	8.21161	9.65881	10.7017
IER3IP1	7.72596	8.2633	8.24481	8.17784	8.21644	8.54652	8.71998	8.18506	8.78798	8.4259	7.93216	7.79266	8.93712	8.69038	8.35018	7.95514
IER5	9.46022	9.93446	10.0079	10.0051	9.85721	10.0919	10.4362	10.1365	10.2084	9.65881	10.0342	10.5954	9.87831	9.67862	10.3399	9.13069

IER5L	6.73765	6.86032	6.49605	6.77008	5.99641	6.78753	7.59995	6.28124	7.40819	6.36829	6.68839	6.45116	7.37662	6.41372	5.54219	6.59677
IFFO1	7.77224	8.2853	9.24623	8.05562	8.06928	8.53182	7.57786	8.95622	8.57525	8.06036	8.54652	9.47426	8.06678	6.97383	8.01099	8.03892
IFFO2	7.33925	6.98822	5.19266	7.07424	6.21853	6.55239	7.64749	5.35451	6.32843	7.50184	7.31475	5.89092	4.57269	5.09335	6.74952	2.07548
IFI16	8.049	8.05612	9.3856	8.82316	7.69211	8.25461	8.48593	7.8917	9.35829	7.21647	9.1841	7.87675	8.85906	7.7985	8.78881	8.71012
IFI27	10.1917	9.38706	10.0791	9.88728	8.47386	8.7635	10.3765	9.66572	7.85043	8.18506	10.4698	7.99071	11.25	8.70566	8.79526	8.38294
IFI27L1	9.91339	10.2084	10.167	10.0953	8.95531	10.0667	9.89971	10.4176	10.0193	9.51816	10.1952	11.063	10.0868	9.44403	9.71962	9.29696
IFI27L2	9.18833	9.24332	8.75966	9.28755	8.35803	9.04381	9.32342	9.14795	8.68624	8.01263	9.055	9.08296	9.46931	9.10034	8.90713	8.76971
IFI35	8.49992	8.65357	9.56807	8.6757	8.37808	8.29317	7.94504	8.31557	9.12823	7.72349	9.83745	9.64364	8.84421	8.52134	8.43133	8.1697
IFI44	7.35509	7.38059	8.83547	6.77952	8.58859	7.1455	7.154	9.47711	7.99984	7.26733	8.24645	7.30897	7.89504	7.58738	7.86047	7.99341
IFI44L	6.98422	7.44915	9.64667	7.1585	8.67455	7.06244	7.35018	10.4743	8.48222	5.84343	8.84082	7.93878	8.98841	7.55817	8.45757	9.29073
IFI6	6.40707	6.82203	7.22326	5.22073	6.71434	3.17101	4.42347	5.7092	7.15958	4.02075	7.8312	4.11653	7.57059	6.89636	5.11379	5.79136
IFIH1	4.76747	4.97408	6.02552	5.61012	7.0023	6.24639	6.96393	6.79241	6.19068	4.78683	7.07521	6.44586	6.97291	6.16627	6.81917	7.59573
IFIT1	4.99883	5.74435	8.65471	6.33379	8.67002	6.76201	8.81783	11.0741	6.99855	4.41983	7.91508	7.14222	7.99228	5.94115	8.31145	8.22616
IFIT2	6.33157	6.66605	7.48798	6.72985	6.7284	6.62616	6.98952	8.01968	7.32029	6.20119	7.82828	6.99749	7.17129	7.10709	6.26566	7.5386
IFIT3	7.8738	7.58901	9.31635	7.34773	9.12731	8.00769	9.35829	10.4548	8.68396	7.15716	9.73676	7.67813	8.94258	9.46237	9.25237	9.22973
IFIT5	6.69812	7.13471	8.42505	7.30308	7.86242	7.17018	7.45093	8.42505	8.09817	7.05818	7.76045	7.11849	7.79201	7.09937	7.79351	7.58312
IFITM1	10.8573	11.4854	12.2366	11.4272	11.4157	11.712	11.6219	12.468	11.7897	9.88457	12.1851	12.0628	11.9903	10.8872	11.7002	11.5206
IFITM10	4.98157	4.68519	3.63714	3.65709	3.68459	4.19207	4.36012	3.51576	4.90301	4.26185	4.1611	3.82141	3.39483	4.51193	3.60803	4.47807
IFITM2	10.0897	10.8107	11.3913	11.048	9.95652	11.1357	10.4176	11.2207	10.8107	10.5062	11.8866	10.9279	11.0235	10.2583	10.8973	10.7652
IFITM3	9.79789	10.4698	11.0289	10.4412	9.84942	10.99	10.398	11.6219	10.7421	9.93674	11.1093	10.8255	11.6606	9.99098	10.2928	10.5954
IFNA1	1.70087	5.87662	4.1682	3.24321	4.38405	3.0658	4.74782	4.44194	2.64558	2.95492	4.9692	3.75239	2.5663	5.21128	2.95994	5.81021
IFNA10	4.71569	4.30232	2.25072	5.54116	4.06784	2.91286	5.48605	3.66599	3.5404	4.4261	5.38812	5.8373	3.16183	5.78361	3.40607	3.88705
IFNA14	6.27789	5.66145	6.46966	6.08731	6.06808	6.986	6.03446	6.55254	5.72745	6.55926	6.46817	3.99715	5.66277	6.46304	5.39508	6.49429
IFNA16	6.05841	5.90543	6.58391	5.77843	5.8529	6.4042	5.45881	6.06247	5.51033	6.25838	4.70133	5.27036	2.54194	6.19445	5.77462	5.05688
IFNA17	7.09987	5.493	5.31006	4.47048	3.96564	5.68517	6.88215	5.38853	5.86424	6.83889	5.0985	6.89173	6.49506	6.71983	4.91938	6.3928
IFNA2	5.36418	2.8813	4.76219	4.79981	3.57987	5.80912	3.8062	2.8638	5.6132	4.93851	4.93295	3.4402	4.8611	5.81954	5.26934	3.42878
IFNA21	3.85425	3.76552	3.91647	3.6357	4.08624	3.6256	3.53968	3.56906	2.25875	2.66614	4.11419	3.00642	3.54537	3.21424	3.5512	2.63794
IFNA4	4.43162	4.85515	4.49114	4.16395	3.39606	4.84284	4.27634	4.25669	4.04754	4.00197	3.8679	3.35152	4.10293	4.28324	4.09448	4.13063
IFNA5	3.23662	2.63607	2.29132	4.5915	4.52738	2.63321	3.00912	2.61382	4.95356	4.48115	4.24944	2.15748	5.41169	2.57571	5.0902	2.73131
IFNA7	3.81865	2.53824	4.63216	5.33567	4.85056	4.38024	5.03203	3.02948	5.0222	2.31329	5.14516	4.60294	3.54537	3.49255	3.90511	5.78375
IFNA8	3.97	5.69663	4.74775	5.61979	4.73788	4.1494	5.06115	4.94439	5.45949	5.90889	3.8925	2.29689	3.95924	5.34487	4.34713	4.36368
IFNAR1	6.48497	6.60271	6.41963	6.50191	6.42469	6.29734	6.39685	6.96888	6.27962	6.14843	6.43229	6.47888	5.99998	5.9271	6.13121	6.55493
IFNAR2	6.04735	7.06794	7.28242	6.70802	6.04567	6.10649	7.38533	6.64035	6.77758	5.79835	6.85861	6.12693	6.20232	5.82721	6.51748	5.81627
IFNB1	2.37329	2.59102	2.02586	2.00313	2.9933	3.95264	2.3531	3.8281	1.92414	2.57765	2.04035	2.36593	2.49591	3.3814	3.00483	1.80953
IFNE	5.74926	5.82175	6.23163	5.71961	6.21586	6.04883	5.78423	5.93164	5.29255	6.26737	6.24286	5.63875	5.87597	6.24247	5.59598	6.50648

IFNG	4.98776	5.95677	6.81587	5.88893	7.23122	5.91451	5.52271	7.17147	7.69319	5.06904	9.41373	6.47623	7.42791	5.23587	6.09107	6.56032
IFNGR1	7.82536	8.01247	8.35397	7.798	7.16799	8.10655	7.05953	6.633	7.68328	6.98119	7.23993	7.39456	8.08992	8.48257	7.69369	6.79883
IFNGR2	8.5739	9.68571	9.16537	9.06823	9.84118	9.49038	9.78666	9.31971	9.27726	9.22273	9.48403	8.81708	10.1365	10.0518	9.95833	10.2771
IFNK	5.3496	5.75554	5.38139	5.06786	4.9314	4.66192	4.56093	5.62022	3.66585	1.92074	5.06631	4.59004	5.77286	5.42385	4.22367	5.57083
IFNL1	6.78513	6.29809	6.89041	7.36696	6.39969	7.30789	7.04132	7.69081	7.52337	7.29628	6.93141	7.18187	7.34628	6.81906	7.35527	7.25795
IFNL2	5.98551	5.20662	5.89038	5.26572	5.84343	4.79243	6.70448	6.10828	6.33445	5.22455	5.73103	6.73214	6.89851	5.78062	6.35895	5.71685
IFNLR1	5.79438	6.2245	5.12383	6.07956	6.10515	5.00304	5.47823	5.69663	5.23337	5.22231	4.88265	5.33489	6.21843	3.71527	6.81119	4.27298
IFNW1	2.34348	1.88256	2.35871	2.79365	3.26091	2.18538	1.91146	3.56906	2.07939	1.49394	2.85145	2.07548	1.73296	2.77311	2.86345	3.03549
IFRD1	6.77539	6.70066	6.97548	5.89999	7.74423	7.01893	7.35149	7.29117	6.69702	7.5326	7.39935	6.70583	7.5985	7.4292	7.82579	7.77017
IFRD2	8.03245	7.93338	7.3488	7.42441	7.06434	6.90891	7.26107	7.5547	7.50708	8.68868	8.70013	8.39116	7.33479	7.90768	7.3201	9.43871
IFT122	5.42868	4.67154	4.97599	4.82616	4.86906	4.82307	5.33448	5.74475	4.6793	5.42657	4.83125	4.93339	5.46851	5.46371	4.72028	4.86411
IFT140	6.63674	6.1809	5.73024	6.13374	6.24943	6.06799	5.7418	5.61405	6.11865	5.7765	5.27456	5.80509	6.04438	6.58666	6.23233	6.45376
IFT172	9.03131	7.21344	4.99562	8.04951	5.73276	5.44159	4.03876	6.77008	6.32432	6.56664	3.71153	6.44753	5.5025	6.49925	6.37067	6.31477
IFT20	9.39963	9.16731	8.62066	8.80228	8.50717	7.83799	8.217	8.27019	8.00595	9.21728	8.28122	8.24153	8.7731	8.62607	8.57731	8.01802
IFT22	8.94789	8.31755	6.94792	8.28608	8.22263	7.42808	7.34856	7.95813	6.84156	7.41461	6.8185	8.34166	8.32213	8.2533	8.67057	7.53886
IFT27	5.94415	6.02788	6.3267	5.44954	5.42382	5.63291	5.85334	5.80882	5.1686	5.11766	5.62838	5.62571	5.72913	5.33258	5.0244	5.39833
IFT43	8.01193	7.30374	6.85834	7.9507	7.65874	7.12749	7.20792	6.65691	6.4803	5.87618	6.42897	7.12512	7.49082	7.90618	7.0195	7.21574
IFT46	8.73084	7.07295	6.43048	8.00923	7.42589	6.176	6.33001	6.92888	6.07804	6.85376	6.63835	6.17087	5.38015	7.23528	7.09088	6.30041
IFT52	7.0163	7.02928	6.51314	7.07599	6.65718	6.68722	6.70448	6.29893	6.10971	6.07956	6.32405	6.68292	6.85804	6.97901	6.84483	6.11965
IFT57	6.95076	6.20209	5.1106	6.83449	6.00252	6.05942	6.75635	5.956	5.91276	5.82871	5.64395	5.61012	5.89914	6.13632	6.20086	4.96515
IFT74	6.73214	5.43688	3.87842	5.37837	7.47911	4.50253	4.47464	4.44454	5.21484	5.45626	3.35869	3.94138	5.04615	5.34551	5.95163	5.15982
IFT80	6.80386	5.3523	6.09501	6.41469	5.86242	5.6454	6.39618	5.72288	6.12841	5.78927	6.68752	6.58286	6.41949	6.19879	7.08255	6.77216
IFT81	6.15008	4.77206	4.64244	5.43281	5.58393	4.7199	4.64364	4.90513	4.02106	4.74319	5.04151	4.76666	4.89016	5.63182	5.41552	4.99004
IFT88	8.88585	7.45799	7.74178	8.16952	8.31755	7.54069	7.58806	7.61233	7.65751	7.37763	7.58677	7.78272	7.10697	7.82021	7.85599	7.6715
IGBP1	8.371	8.76971	8.49813	8.76117	8.44583	8.51119	8.46478	8.24244	8.56369	8.76971	8.14618	7.85877	8.93431	8.66882	8.50291	8.73349
IGDCC3	4.76031	5.53039	5.58603	5.81488	5.77944	5.12539	5.84093	6.12053	4.13105	5.72034	5.76996	5.30826	4.39818	6.32898	5.84691	5.97388
IGDCC4	5.79561	6.46546	6.71949	6.93874	7.30736	7.0811	5.79032	6.60003	5.91964	5.88338	5.30337	6.69607	3.00618	5.49726	8.11563	6.23402
IGF1	5.29334	5.4874	6.77061	6.14347	5.83859	5.22914	5.11194	5.98151	4.981	6.41319	4.96752	5.75728	3.59806	4.48075	5.70584	5.41041
IGF1R	6.66787	5.13823	5.92336	5.47104	5.41981	5.94119	5.8013	5.24225	5.23405	5.65526	5.44775	6.01341	5.63752	5.59946	6.44232	5.35185
IGF2-AS	5.02649	5.13976	4.51085	5.12105	4.70851	5.09772	5.15052	4.08791	4.79002	5.51424	4.52313	4.59609	5.09372	5.4378	2.69546	5.12161
IGF2BP1	2.99513	3.3579	3.23948	2.86183	2.95663	3.0912	3.07124	3.12188	3.28382	3.40952	2.98881	2.67382	2.72213	3.44117	2.71638	2.79844
IGF2BP2	5.00284	5.11171	4.69294	4.31456	6.08811	5.62336	5.23799	4.03451	4.8258	4.32142	5.54464	3.81937	3.89015	4.78612	4.82016	4.32878
IGF2BP3	5.92433	5.95178	6.89505	6.13102	6.7287	7.18095	7.62329	5.19457	7.20098	4.91676	6.14115	5.37108	5.83837	6.88505	6.35913	7.57212
IGF2R	6.54702	5.67243	7.92528	6.81451	5.7174	7.82698	6.96991	5.59237	7.8754	6.63258	7.60433	6.99839	6.98274	7.3443	7.12112	6.83051
IGFALS	5.72184	6.02361	5.57802	3.50564	4.51121	5.42686	5.72875	2.70064	5.60919	5.59977	4.94092	4.08601	5.4874	6.22225	4.83898	5.57353

IGFBP1	4.1147	2.00337	3.8488	3.79195	5.07305	4.58299	4.67969	2.36593	3.3742	3.8488	3.39175	4.23043	5.07937	3.8455	2.63869	4.12809
IGFBP2	8.38539	7.13721	5.7991	7.45587	8.2838	7.54447	5.53505	3.47335	7.4825	4.24348	6.46738	9.19651	6.64145	9.85111	6.7349	7.14091
IGFBP3	8.92195	8.41589	9.68695	8.81879	8.48009	9.52199	8.32931	8.2438	8.38687	7.89872	7.41632	7.83502	7.25418	8.84532	9.1851	7.02599
IGFBP4	5.0222	4.25266	7.37115	5.02826	5.16753	5.23078	3.40901	4.77096	6.91554	5.94565	4.93717	6.78987	1.68682	3.62944	3.53974	4.79956
IGFBP5	5.80159	5.42342	5.7079	5.25191	4.91109	4.80845	5.17863	5.63112	5.4585	5.41737	4.55658	5.49464	5.34775	5.21072	5.25678	4.64863
IGFBP6	7.12714	6.38914	6.78137	6.3247	4.39215	7.03856	4.97647	6.27029	5.77903	7.53845	8.92659	6.66367	5.90923	7.02091	5.95087	6.57712
IGFBP7	8.32702	8.49504	9.05078	8.40426	8.44024	9.27221	8.15045	8.73206	8.08406	8.30517	8.5267	8.64669	7.75576	7.82614	8.37443	7.48326
IGFBP7-A	4.36572	4.61934	4.72271	4.47048	2.02496	2.21366	4.87555	3.97032	5.40688	2.47565	1.79233	3.03309	2.52228	4.30792	4.19275	4.36849
IGFBPL1	3.36587	2.41683	3.02585	2.81334	2.63482	2.31052	2.23396	3.29115	1.76451	2.80132	2.24458	3.19844	2.73615	3.68528	3.38625	3.24808
IGFL1	2.47437	2.72769	3.20427	3.66594	3.59057	3.33634	2.73211	3.58474	3.60923	3.72029	3.06624	4.06571	3.82075	2.72254	3.90511	3.73803
IGFL2	3.41112	3.42761	3.95055	3.28542	4.41516	3.22527	3.98737	3.80483	4.11778	4.14078	3.76737	4.31399	4.17756	4.20074	4.80793	3.2169
IGFLR1	7.28279	8.32872	7.7232	7.59573	7.19046	7.00018	6.99654	7.43454	7.95489	6.50709	8.34481	8.58691	8.3093	6.14455	7.29274	7.40625
IGFN1	4.78736	5.51444	5.35608	5.22492	5.82698	4.88265	5.68541	5.9052	5.12281	5.82515	4.86734	5.97187	5.17777	5.70189	5.13338	5.75483
IGH	5.89988	5.31468	5.49591	5.53494	5.55482	5.93103	5.89013	6.1209	5.88528	5.98462	4.93488	5.48503	5.12193	5.33989	5.4168	5.46187
IGHD	5.77371	7.56225	4.34346	4.1954	4.26048	5.14097	3.22999	3.8513	5.25704	7.0724	3.50747	5.28422	3.53767	4.27968	3.62252	3.89967
IGHG1	4.27754	5.2467	3.96745	4.81876	4.63097	4.28169	4.87977	4.96649	4.91953	4.15582	4.57451	5.12779	5.18567	4.38415	4.65395	4.26827
IGHM	6.55896	7.09252	7.43858	7.52731	6.76064	7.29756	5.71084	6.66911	7.78225	7.28473	5.17875	8.32337	6.15156	5.82012	6.11473	6.2553
IGHMBP	6.52891	6.7883	6.78398	6.73081	6.59465	6.73292	6.83587	7.09223	6.41177	6.73909	6.64445	7.1342	6.41469	7.08047	6.60536	6.3827
IGHV1-6	4.0196	5.17489	4.67509	2.72117	5.21916	4.69149	3.65785	6.06247	5.76872	5.44477	5.12489	5.69196	4.53653	4.48643	5.90353	4.79506
IGHV3-5	2.72538	2.82798	3.74811	2.1445	4.30494	3.25596	2.61298	2.95859	4.14509	3.65408	2.85145	5.32479	2.54194	3.46534	3.6535	2.84751
IGHV5-7	6.65734	6.93923	6.14565	6.31099	6.31408	6.81668	5.21321	5.67691	5.99957	5.73126	4.41154	7.26026	2.17097	4.54346	6.39985	6.43909
IGIP	7.81934	7.8312	8.16199	8.21863	7.64872	8.23349	8.3899	8.22973	8.06265	8.62685	7.50856	7.33082	7.36089	6.96694	7.93589	7.74368
IGJ	8.84269	11.174	11.3034	10.7134	8.30977	8.02183	7.18017	9.54637	9.5648	11.8369	7.51436	9.3733	7.93267	6.35603	10.1781	7.11159
IGK	3.32431	3.95879	6.42401	5.71961	4.01874	4.51187	3.99724	4.1207	3.87677	7.60892	2.91487	7.80515	2.88174	4.08394	2.39175	3.73803
IGKC	5.50211	6.45758	7.2857	6.96963	5.97212	6.19217	5.90869	6.9017	6.56956	7.43628	5.09772	7.05162	6.48506	7.00204	5.9025	5.56655
IGLC1	7.51436	9.15368	9.59677	9.65997	7.72445	8.82789	8.10716	8.49751	8.21298	8.74527	6.7903	9.68026	8.29124	8.65141	8.45287	7.29617
IGLJ3	6.05086	6.46888	7.56811	6.54916	6.26959	6.47187	6.30311	6.74577	6.79573	6.71871	5.43118	7.33347	6.17676	6.49559	6.40779	5.98945
IGLL1	6.93357	7.16333	7.49699	6.85409	4.81051	6.88035	6.46194	7.33361	7.46689	6.84248	4.24944	6.63574	3.97703	6.92499	6.5805	6.02667
IGLL3P	10.1711	11.7002	12.4376	12.2456	9.7059	11.2398	9.99505	11.768	12.2837	11.422	7.88327	12.3939	9.82232	10.8431	12.0147	9.19078
IGLL5	7.61565	9.38907	10.5911	9.61578	7.62252	7.99636	7.12866	7.73791	8.86796	9.34402	7.03913	9.24332	7.59223	8.19276	8.28122	7.02532
IGLON5	2.75185	3.89893	4.22425	3.10053	3.2065	3.67619	3.35187	3.93793	3.69577	3.75611	3.40575	2.81338	2.79294	3.60186	3.50176	3.80262
IGLV1-4	5.98807	7.84726	8.65357	8.46273	6.45894	7.64388	5.65144	6.60124	7.77571	7.90591	5.41161	8.5483	6.01803	7.30736	7.79666	5.39491
IGLV6-5	2.44059	4.34246	4.78915	3.86957	3.79424	3.4746	3.42552	3.90071	3.5256	3.92077	2.79035	4.6561	2.75699	4.07659	3.99153	3.78507
IGSF1	6.13152	5.73993	6.59027	6.29331	6.68292	6.93736	7.13865	6.53093	7.43769	6.48524	6.15488	6.26266	6.42722	6.75444	7.27109	6.40384
IGSF10	6.5377	6.83957	7.62734	7.13275	8.48891	6.36903	5.65169	5.7379	6.0743	8.1697	4.49127	6.49328	5.28699	3.61157	5.39833	7.36788

IGSF11	2.70064	3.95879	3.91647	4.34751	3.14557	4.03667	2.78886	2.98628	3.46459	3.36001	4.57021	3.88029	4.69821	3.21424	2.52969	3.13394
IGSF11-A	2.72538	2.49227	2.55526	1.55195	3.03309	2.45459	2.20014	2.30474	1.69898	2.63576	2.07483	2.24796	2.26476	2.99448	2.59102	1.27255
IGSF21	3.70138	3.50584	2.98152	4.54239	2.1445	3.91828	3.16512	3.52249	3.06765	4.34627	1.54854	5.2571	5.52597	5.80121	4.06918	3.32854
IGSF22	7.5193	7.66537	6.78565	7.40994	6.55559	6.74484	7.40819	6.79404	7.4292	6.72135	6.81987	7.25184	7.04352	6.89158	6.36505	6.88068
IGSF3	5.44775	6.05051	6.11635	5.93259	5.54615	5.6503	6.32129	5.93434	6.29809	6.74515	5.22581	6.57151	6.64671	6.0743	6.29235	5.74686
IGSF5	2.61145	2.39163	1.32681	2.4789	2.71531	4.60609	5.24432	1.79233	2.39727	2.91059	4.81291	1.91466	3.53101	3.9369	2.89621	4.04867
IGSF6	5.0986	7.14639	7.0893	7.00172	7.07077	7.40032	5.82532	7.39513	9.00248	5.7566	7.90137	6.57598	8.07334	6.19536	7.05573	7.25444
IGSF8	5.4629	3.27087	3.36406	5.18956	3.32431	3.93664	5.79032	5.63251	5.25797	4.89975	5.01433	5.53254	3.46411	4.58025	4.25827	5.02291
IGSF9	5.00441	4.86753	4.75389	4.83683	6.57468	7.61431	8.36563	5.52231	6.089	4.60892	4.53449	5.57585	5.01701	6.86171	7.03819	4.61107
IGSF9B	3.08893	2.96699	2.97414	2.86407	3.55993	3.5907	4.31151	3.09607	2.90857	3.45399	3.95338	3.14998	3.31042	3.40883	3.42172	3.18391
IHH	7.02837	6.57044	6.38874	6.92196	5.90014	6.14046	6.1966	6.28872	6.27623	6.78271	6.07473	6.88287	6.54516	6.27203	6.63879	6.86547
IK	10.3157	9.18833	9.17857	10.1423	8.89663	9.34547	9.22423	9.46666	9.28755	8.83871	9.00248	8.69776	8.60291	9.3856	9.18613	8.50615
IKBIP	4.78612	5.8829	7.01929	5.80945	5.72608	5.7384	6.5687	5.53911	5.6823	5.06482	6.65907	5.56061	5.17157	5.94608	6.5982	4.98558
IKBKAP	7.42635	6.86411	5.89914	6.84027	7.84024	6.70583	6.79512	7.28271	6.94306	6.15596	7.15193	5.13157	6.61862	6.27672	7.27759	7.6948
IKBKB	5.94133	4.48551	6.77644	6.38118	6.69213	6.51475	6.52099	5.53265	5.02605	5.41144	6.24176	6.36411	5.46406	6.85678	5.62925	5.29959
IKBKE	6.13534	6.3768	6.73883	5.88152	7.11823	6.50491	7.18309	7.0099	7.51329	6.25061	7.15085	7.10709	7.35181	7.43307	7.5342	7.30272
IKBKG	6.82158	7.11716	6.9731	6.5515	6.97736	7.42833	7.38774	7.37585	7.55694	7.08431	7.25418	7.65586	7.31863	7.05601	7.05601	7.25418
IKZF1	4.99636	5.72953	5.78106	5.52025	5.80824	5.73322	5.11285	5.46462	5.66353	4.85938	5.75373	5.28021	5.1163	4.50343	5.48188	5.4597
IKZF2	5.07446	4.73656	5.14641	5.06585	4.92491	5.2507	5.60476	5.49916	6.16754	4.05184	5.50235	5.51543	5.55827	4.61373	6.04851	4.45332
IKZF3	5.01758	5.66269	6.32531	5.92409	6.27847	5.59435	4.02048	5.51228	5.83559	4.65694	6.63674	6.00238	5.92734	5.52597	6.23761	5.32537
IKZF4	5.88181	5.21203	5.41573	4.72209	4.76519	5.86754	6.16058	5.64993	5.88635	5.37627	5.22261	5.00917	5.14737	5.93008	5.39815	5.37219
IKZF5	6.14859	6.17961	6.09815	5.96423	5.51334	6.81351	6.36989	5.68446	6.56925	6.24627	6.2804	5.23942	5.94284	6.40841	6.34341	6.9358
IL10	2.04089	2.46272	4.62423	1.63196	4.47054	5.11016	4.14005	3.85505	5.00335	5.12105	7.26141	3.88029	3.55868	4.90027	3.8556	5.48692
IL10RA	7.55574	8.96445	9.46488	8.53406	8.53909	8.38448	7.20891	8.98463	9.40713	7.45765	8.7381	9.01455	8.44211	7.19291	8.63335	8.15997
IL10RB	8.04634	8.53486	8.12675	7.82993	7.93087	7.94154	8.28862	8.30659	8.19596	8.14326	8.08567	8.17315	7.93391	7.58885	7.83976	8.21557
IL10RB-A	5.10115	5.44206	4.95972	4.7048	4.2285	6.07264	5.1487	5.84019	5.98768	6.07207	6.71311	5.27844	6.09786	4.17392	4.87993	4.42658
IL11	4.28727	3.17475	4.66526	4.04011	4.49669	3.80555	4.60548	3.54594	4.72517	3.25629	5.10392	4.73835	2.81041	4.26862	4.93246	5.39542
IL11RA	6.79541	6.69111	6.72968	6.9035	7.40525	7.39156	7.51973	6.29917	5.86557	7.47622	6.35534	7.94201	7.27451	7.59516	6.90842	6.99855
IL12A	4.52618	2.41683	3.40986	4.18478	3.0533	2.42212	2.88209	3.17146	3.13363	2.91059	5.18915	3.57258	1.7762	1.36152	2.95994	6.46468
IL12A-AS	6.54966	6.29484	5.86382	6.56661	5.65653	5.94244	4.31322	6.27334	6.28105	6.47812	5.98878	3.88877	5.96738	5.99501	5.34613	5.99406
IL12B	6.18584	5.37412	6.58002	5.60876	6.00448	6.20277	5.60753	5.27601	6.29614	5.87501	5.29638	6.39685	6.34438	5.68695	5.70636	6.30843
IL12RB1	5.57947	6.62977	5.63906	6.16438	6.05312	5.90555	4.95972	6.39257	6.40548	4.94776	6.41639	7.00656	6.28229	5.61533	5.879	5.65893
IL12RB2	3.48571	4.21854	5.92492	5.81553	5.95694	4.89474	6.37833	5.7092	5.74444	5.38177	6.59962	5.94133	5.4025	5.58961	6.16222	5.61508
IL13	5.82322	4.15744	5.43429	5.9893	5.2507	5.40929	6.04874	6.49041	4.43996	3.98113	4.59792	5.46793	6.36968	5.4378	5.66921	5.5809
IL13RA1	6.93102	6.58787	7.16333	6.93706	8.37894	6.67625	6.86641	7.08897	7.3888	7.06102	7.24855	6.23007	6.9514	7.33565	6.53457	6.66709

IL13RA2	2.27273	2.91316	4.9024	4.23832	7.1859	5.99268	6.23048	5.99145	0.69487	7.49022	5.40826	5.77997	9.73529	7.11489	8.74734	8.7731
IL15	4.04855	5.91883	7.16663	6.26604	8.56834	6.55717	5.87377	5.30515	5.62336	5.27758	7.5049	5.98749	6.96795	7.68134	7.14234	6.86503
IL15RA	7.09272	7.59584	8.02825	7.22511	7.41748	7.37019	8.27053	8.94422	8.15216	7.10844	8.46301	7.84487	7.4619	7.97381	7.71882	7.93338
IL16	6.22079	8.03245	6.81894	7.86216	6.67817	6.58567	5.24782	7.4801	7.51854	6.48575	5.71193	7.72037	6.53713	6.12624	7.04408	7.04994
IL17A	2.57215	4.06977	3.61993	2.60031	4.05558	2.59102	3.0919	2.48301	4.40931	4.1681	2.86149	3.46771	2.78886	2.69205	4.59925	3.61736
IL17B	2.37329	3.35252	3.11137	3.38369	2.44843	3.13279	3.71929	2.64349	2.64558	4.18447	2.52439	3.33905	2.23314	2.18939	2.00801	2.69842
IL17C	4.45919	5.57353	6.62758	6.77365	5.80959	6.10593	6.52429	6.94457	5.99792	6.00788	3.93813	6.10454	5.17844	5.79613	5.97378	4.95783
IL17D	3.64066	3.74825	2.63513	3.50564	5.24068	6.05719	6.35015	6.46606	3.75611	3.62321	2.88166	6.23645	5.02177	5.39607	6.18347	6.99057
IL17F	2.53024	2.39163	3.04356	2.92162	2.36593	3.57327	2.23396	2.30474	2.39727	2.93344	1.87674	2.509	2.17097	2.31516	2.11842	3.47381
IL17RA	6.02327	6.06475	7.15825	6.72244	6.2401	7.13071	7.19405	6.22295	7.2857	6.02499	7.27759	6.6682	6.562	5.68136	6.76973	6.20342
IL17RB	5.85506	6.93602	6.66307	5.89251	7.737	5.27633	5.9579	6.54574	4.73261	5.98966	5.62634	6.028	8.04821	8.0588	5.949	8.59487
IL17RC	5.99473	6.03045	5.83271	5.76449	5.63112	5.62533	5.6595	5.97388	5.32616	5.93115	5.64227	6.03131	5.94177	6.1291	5.73937	6.3496
IL17RD	5.91357	6.39685	6.49265	6.13342	5.86	6.85041	6.33549	6.70731	5.98586	7.7249	6.08375	6.32223	5.483	6.23325	6.65833	6.25369
IL17RE	4.211	3.63542	3.71129	3.38024	3.26914	2.43485	3.40306	3.28186	3.68625	3.46916	3.36074	2.67303	3.14882	3.007	3.01001	3.78054
IL18	7.09732	8.16729	7.42933	7.34377	7.21508	6.64067	6.54628	7.49062	7.89256	5.87159	8.19104	6.65059	7.61901	5.49251	7.37006	7.97484
IL18BP	5.10669	6.18336	6.83752	5.62444	6.60467	6.54142	6.23856	7.35953	6.9116	5.80993	7.02701	6.67922	6.5503	5.33762	5.70755	6.62237
IL18R1	3.20944	3.25613	5.15041	4.61877	6.14532	4.03667	4.26699	4.79956	5.16507	3.86818	6.11453	4.69025	4.17756	4.11853	6.36928	3.1481
IL18RAP	6.84701	6.60847	6.77496	6.00658	6.99884	4.00784	5.60339	8.75206	9.05406	3.172	9.4421	4.87924	5.60685	4.18663	6.20252	5.01197
IL19	6.24408	6.72968	6.65309	5.9482	6.02014	6.09415	6.01875	5.80698	6.14896	6.99294	6.06981	6.52457	5.22455	6.61785	5.89999	6.14843
IL1A	5.37568	5.60476	5.95498	6.05028	6.25282	5.00797	6.45101	5.12521	5.72477	5.59237	6.78913	4.9748	5.94472	7.10409	6.3281	5.44046
IL1B	6.16738	8.49069	7.65455	7.99046	8.40127	7.9568	7.62995	8.48075	8.27535	7.1885	9.10246	7.72862	9.17299	7.86242	8.76514	8.04043
IL1F10	3.09851	4.11531	3.07458	3.42644	3.27783	4.24599	3.12496	2.2672	3.11326	2.5437	4.93295	3.29115	3.40212	3.49255	3.13607	2.5569
IL1R1	6.73391	7.27934	7.40722	6.89588	6.64445	6.21138	6.2885	6.91702	6.18795	6.4906	7.28322	6.27451	6.4856	5.8345	7.09849	6.21299
IL1R2	6.93962	7.36756	5.86835	8.63717	7.64917	10.9018	9.67232	5.66789	7.57594	4.58614	9.11315	7.80799	6.80155	9.51037	7.09966	5.38177
IL1RAP	4.60294	5.40426	3.90886	3.60965	5.45924	3.90189	5.46171	5.01612	4.60972	2.78405	5.75554	4.02672	4.5892	4.46077	4.90633	3.69815
IL1RAPL	3.18907	4.54782	4.28922	4.45067	4.23182	4.44812	4.19557	5.03715	3.55162	4.53835	4.4442	4.62908	4.39175	3.65461	4.11164	4.80155
IL1RAPL	5.36009	6.08327	6.78466	5.22073	6.0512	6.05436	5.94351	6.32223	6.44006	6.50709	6.1585	5.74693	5.49578	6.09928	6.19975	5.2021
IL1RL1	5.32594	6.07804	5.84563	5.89886	5.53386	5.7268	5.96608	5.61012	5.45866	5.85251	5.90425	6.03743	6.40488	5.8369	6.16004	5.25231
IL1RL2	4.8689	3.36509	5.07767	3.57686	2.97095	3.30682	3.3753	3.25357	3.35168	1.92074	4.05647	3.11416	4.9034	2.57571	2.39175	3.53602
IL1RN	4.55677	4.88639	4.21365	4.08875	5.03438	5.38803	5.25261	5.14398	4.91332	3.77698	6.36248	5.1842	5.07878	4.814	5.38297	4.69327
IL2	3.58775	3.83303	2.91679	4.89377	3.0533	3.5373	2.56625	3.6374	3.99376	2.93344	2.64984	3.18013	2.68899	4.2359	4.83898	3.24808
IL20	4.44009	5.1248	4.71654	4.36112	4.25669	5.049	4.87555	5.85352	5.29621	4.5797	4.64863	5.07937	4.93183	5.29145	5.70636	2.88582
IL20RA	7.1961	6.80357	5.92597	6.61079	5.14737	6.17432	6.34639	4.19924	6.71149	6.9225	4.92151	5.48818	6.48575	6.45541	6.14288	5.61012
IL20RB	7.45038	6.9225	5.90568	6.35753	6.34126	6.70289	9.55682	6.19148	6.08585	5.7037	7.96861	6.06475	6.07459	6.85121	6.00568	6.21864
IL21	2.94778	2.61396	2.79272	2.79365	2.85371	3.27349	2.90726	4.37563	3.55701	3.53934	4.28892	2.86273	3.38837	2.82083	2.6136	3.57557

IL21R	5.16531	5.82677	7.23993	5.8792	6.84758	6.51148	5.7373	8.31119	8.06823	4.15705	7.89111	7.77471	5.75265	5.24647	7.04441	5.95187
IL21R-AS	6.3489	5.10307	4.33416	3.42644	5.61572	5.23078	5.97229	6.11327	5.6875	5.91108	5.76188	6.6117	4.15694	5.73322	4.28189	5.88049
IL22	5.83738	5.4541	4.66938	5.78593	5.88266	5.59367	4.90215	4.33153	4.25308	5.86557	5.2999	4.3268	5.76856	4.55446	5.83128	5.52538
IL22RA1	5.5016	2.95972	2.33881	5.38345	5.94244	5.19496	7.67654	5.10351	5.6566	3.60777	6.21395	5.3654	3.57524	6.27509	6.67266	1.98412
IL22RA2	5.95608	8.4593	7.322	6.70439	6.85641	6.599	6.94086	6.60003	8.00791	5.48805	5.5114	6.4954	7.1396	6.79541	8.51784	6.18553
IL23A	5.972	7.07482	6.22214	6.67504	6.57801	6.65137	7.39951	6.87418	6.2296	5.10215	6.04817	6.82513	7.73791	7.82446	6.66244	7.17515
IL23R	2.6189	3.86658	4.39048	3.27772	2.79511	2.5929	3.75252	4.47294	3.81369	2.7326	3.65785	2.54725	4.2106	3.74024	3.24817	4.2388
IL24	5.62059	5.30505	5.49842	4.39175	5.79256	4.73879	5.52271	6.19649	5.43281	3.62321	7.06124	3.92989	5.89672	5.86194	5.76173	6.60967
IL25	3.50034	3.74825	3.65613	3.73033	3.62835	4.92233	4.71077	3.98218	5.09372	3.82085	4.22933	4.13909	6.13485	3.0362	4.03892	4.25809
IL26	2.34348	4.31399	5.71788	4.70214	2.81309	2.24655	4.39009	2.40011	5.39807	4.11175	4.22933	2.04143	0.07153	3.27909	2.21248	2.82844
IL27	2.68367	3.09358	2.72411	2.72117	2.94105	3.18781	2.39011	2.88789	2.88086	3.34275	2.38828	3.3733	2.75699	3.10839	3.37408	3.38208
IL27RA	5.93654	5.61936	5.82316	6.04806	6.5054	5.9645	7.83372	7.00568	6.85206	5.26588	6.0044	6.41177	6.14728	6.45894	6.42868	5.51774
IL2RA	5.24375	4.82888	5.97761	4.89694	6.02788	4.59703	5.64095	6.028	6.20579	4.53328	5.9345	4.92686	5.99014	5.93974	4.85179	6.29187
IL2RB	8.434	8.50784	8.80262	8.92427	7.98418	8.65235	8.20839	9.22889	8.67512	7.56096	9.41517	9.11939	8.47703	8.12233	8.60862	7.81974
IL2RG	6.49761	7.04849	5.30746	6.93183	6.73451	5.78328	6.69536	7.2358	7.17396	6.89272	6.95472	6.5702	7.38245	5.96754	7.2442	6.43909
IL3	2.50129	2.79266	2.35871	2.28551	2.2597	2.45459	1.91146	1.99703	2.13825	2.2766	1.7041	1.94688	1.82475	2.57571	2.36623	2.22886
IL31RA	3.54495	2.73636	3.94783	3.14725	3.29722	3.69299	3.04271	2.88015	2.55599	3.71527	4.04301	3.37974	2.72712	3.64053	3.3373	3.83495
IL32	3.0835	2.49227	2.42383	3.85758	4.36498	4.01812	2.67152	3.47335	4.44708	2.75002	4.54346	3.00642	3.99596	4.369	4.03231	3.92452
IL33	8.31053	9.06301	8.60447	9.12152	5.66533	8.30045	5.1853	2.40011	7.08377	6.5845	8.64669	4.69529	8.75379	5.35478	5.74666	5.23232
IL34	6.1559	5.64993	3.99043	5.34279	4.01874	4.14087	3.73393	3.70769	3.55701	4.66095	3.69464	6.50074	4.006	5.16562	3.23099	3.95427
IL36A	6.04863	5.58299	6.29235	6.45625	6.06373	6.50549	5.51451	6.2427	6.27896	6.58211	6.3245	4.2645	6.13336	5.72006	6.2284	6.48123
IL36B	4.83281	4.09367	4.61485	4.57336	4.61302	4.13938	3.71265	4.55035	4.28922	3.38994	4.23832	5.09944	4.06039	4.53375	4.14815	3.77982
IL36G	3.41112	3.06378	5.50806	5.82803	5.41562	5.302	6.00238	6.52664	3.13363	4.79376	8.00403	2.86273	5.28614	5.5659	7.64185	5.29354
IL36RN	5.45261	6.71973	5.49545	6.39462	5.8772	5.65526	4.67727	5.72395	5.34823	5.91555	7.01519	6.19045	5.67961	5.89557	5.92567	5.73413
IL37	5.02068	5.66479	4.96626	4.99415	4.29377	4.42735	4.11419	4.56898	4.32453	4.92736	3.94226	4.82646	5.24782	5.50829	4.63389	5.31821
IL3RA	3.59987	4.1094	4.89789	4.19971	4.02718	4.02752	4.05033	4.5714	6.90313	3.87941	5.99489	5.09784	3.83289	4.39545	4.01749	3.75027
IL4	2.86327	3.41948	3.5384	2.11428	4.44723	2.54448	3.51301	3.69908	2.69458	4.07376	3.34714	2.07548	2.72514	4.12155	3.40023	3.33696
IL4I1	6.50961	6.88705	7.36235	7.28271	7.25163	6.77414	6.88337	7.17852	7.62466	4.87894	7.97022	8.19059	8.27019	7.19775	7.32463	6.633
IL4R	8.2438	8.52332	8.87038	8.50431	9.27726	8.95915	8.74637	8.47306	9.31398	7.65178	8.95577	8.8433	8.33491	8.86269	8.88342	7.84223
IL5	2.96659	3.87677	2.74259	2.88071	3.50802	3.20546	3.14316	3.21508	2.13825	3.42914	2.77081	2.07548	2.23314	2.97219	1.44837	2.07548
IL5RA	5.0902	4.77035	4.82391	4.76965	5.05177	4.52326	4.01247	4.90027	6.03295	4.94868	5.08194	4.51992	4.94752	4.481	4.4394	4.98125
IL6	3.29685	4.1094	7.13384	3.86957	3.98376	5.95608	3.95924	7.01939	6.51077	6.68558	7.45674	4.13105	6.77226	4.52704	3.90511	4.2082
IL6R	6.55046	6.81622	7.19487	7.64142	6.32382	6.95299	6.44586	6.59787	7.36476	6.07014	5.91519	7.17234	6.40384	6.21158	7.00304	6.34587
IL6ST	4.84284	4.80326	5.13175	5.51228	4.39716	5.37466	5.40753	4.71261	5.36229	4.83307	4.76339	4.87039	4.59373	4.74294	4.93594	4.92554
IL7	5.2904	5.31895	5.58275	6.92817	6.17921	5.80692	5.98416	5.91876	5.85352	4.82316	5.5763	5.64034	5.78611	5.30815	5.7354	5.6564

IL7R	8.36016	9.20892	9.31202	10.1887	8.0875	9.37098	8.72779	9.35144	9.74251	6.70561	7.893	9.30766	8.95622	8.63859	9.36543	8.52475
IL9	3.62466	3.64032	4.40922	5.5524	4.54126	4.37334	4.71726	4.15015	3.71298	3.55696	2.90046	4.39323	5.09372	2.74868	5.32594	2.84751
IL9R	4.57214	5.23003	4.85515	4.7744	4.97	4.68296	4.66043	5.06616	4.82694	4.82105	5.90663	5.56005	5.10495	4.96737	4.62138	5.19457
ILDR1	4.69014	5.0929	4.51992	4.52811	4.5453	3.40952	4.2931	4.3801	4.58758	4.87251	4.10334	4.15684	4.38917	4.78093	4.23787	5.16393
ILDR2	3.55705	3.7348	3.41453	4.44278	3.58537	4.84616	3.36292	2.85037	4.03862	3.97756	5.23264	3.18907	3.45501	3.86993	3.36559	3.65133
ILF2	8.27775	8.10604	8.19449	7.8419	8.77753	7.14627	7.59121	7.01614	8.23325	8.42856	8.73603	8.50717	8.64262	9.12823	8.59699	9.17299
ILF3	6.87053	6.9671	7.22016	6.67094	7.58194	6.9925	7.52478	6.28982	6.87988	6.74529	7.49594	7.80021	7.12179	7.04863	7.05101	7.2935
ILF3-AS1	6.08915	6.03198	5.69888	6.56182	4.47054	4.14087	4.63503	5.27102	4.23358	6.0512	4.84947	6.20404	5.68275	5.99767	4.85535	6.29282
ILK	6.7396	4.59974	6.14859	7.31148	5.63653	5.53579	6.41838	6.06247	7.67128	6.90016	7.25283	6.74671	6.38344	6.76162	6.52311	6.56417
ILKAP	8.19619	8.41541	8.47306	8.21907	8.52275	8.16276	7.89659	7.96021	7.98107	8.20839	8.89592	8.63776	8.01515	8.04652	8.11228	8.45726
ILVBL	6.44381	6.1633	4.88503	6.20404	4.39937	5.3574	4.77111	4.34511	4.81051	6.39062	6.39845	6.70511	5.51774	5.48909	4.6913	4.47624
IMMP1L	6.815	6.83501	6.65377	7.47372	7.62491	7.86466	7.31528	6.77952	7.34672	6.34532	7.40779	7.05953	8.09183	6.75415	6.90423	7.06373
IMMP2L	6.12673	6.48933	6.53457	6.60392	6.59933	5.79795	5.6126	5.32479	4.89303	6.18247	5.16681	6.60053	6.61079	6.76182	6.91218	6.9788
IMMT	7.98438	8.02714	8.10034	8.25433	8.39908	7.97147	8.39534	8.92195	8.05225	8.16872	8.58199	8.27662	8.3899	8.29568	8.4593	8.30243
IMP3	7.90855	8.35122	8.38687	8.62416	8.29871	7.97893	7.56356	7.84813	8.34233	7.90236	7.72681	8.04543	8.54552	8.50367	7.8738	7.83976
IMP4	7.79766	8.02241	7.77489	7.98789	7.68174	8.12887	7.98651	7.87861	7.79998	8.09264	8.44024	8.63969	8.4612	8.48815	7.94114	8.10118
IMPA1	9.79203	9.53098	9.41817	9.31073	8.90524	9.10606	10.0868	8.89896	9.25316	8.35965	9.49763	8.18506	9.21728	9.61578	9.59677	9.50087
IMPA2	7.72841	8.39244	7.22234	6.74577	6.59523	7.4619	7.16995	6.65275	7.37969	6.40916	8.52989	8.14826	8.10604	8.11278	6.44498	6.2273
IMPACT	6.45207	6.791	6.14674	6.74281	7.17043	6.31489	7.03398	6.45428	7.36526	7.06726	6.88409	5.00322	7.2235	7.11951	7.28649	7.0461
IMPAD1	5.65971	5.99039	5.62474	6.33563	6.26672	5.39339	5.79795	5.92597	5.78705	6.44056	6.23343	5.80282	5.86541	5.91315	5.56754	5.78411
IMPDH1	2.91334	6.12371	5.448	6.39959	5.76268	6.43994	6.22252	5.8726	6.48855	6.77476	7.16583	6.5773	6.23157	3.9369	6.65193	7.2133
IMPDH2	10.3228	10.2856	8.97745	9.81024	9.53631	9.71121	9.06514	10.494	9.28504	10.1246	10.163	10.1842	9.04695	10.5911	9.62902	10.9359
IMPG1	2.21029	2.63607	2.91679	3.10053	3.53849	2.79576	3.87897	2.46648	1.26079	3.49311	2.72092	2.69934	4.07063	2.09344	2.79339	3.17553
IMPG2	3.03461	4.05284	3.56319	3.92821	2.75175	4.62298	3.30355	3.39293	4.38792	3.59956	2.67331	4.09572	3.59527	4.10658	2.85371	3.19458
INA	6.16343	4.05789	6.1291	5.19529	5.86129	6.09093	8.00827	6.37566	5.77414	4.36468	6.16296	6.20097	6.24425	5.9868	6.78	4.87251
INADL	4.86142	4.61592	4.24079	4.43347	5.50719	5.43189	5.77919	4.79031	4.86049	5.21531	4.19358	4.52326	5.30268	5.02791	4.86411	5.32165
INCENP	3.50034	5.99803	5.5865	4.80453	3.45301	5.09772	5.79711	4.75563	4.80597	5.65616	6.13349	4.78986	3.95924	6.09264	5.1212	4.86201
INE1	6.72801	6.25129	5.95819	6.65525	6.54902	6.26966	6.35462	6.36281	6.14107	6.85143	5.96025	6.44179	6.44381	6.43737	6.38895	6.76898
INF2	4.51222	4.22024	3.84488	3.93142	3.4746	4.49077	3.76953	4.47464	4.57279	4.62196	4.47552	4.07659	3.66884	4.37481	3.87043	4.01937
ING1	5.76786	6.22003	5.73359	5.79691	5.67887	5.94805	5.56468	5.16648	5.99084	5.09358	5.81078	5.52616	5.60498	6.12998	6.02692	6.02266
ING2	6.13381	5.81346	4.87431	6.57044	5.67627	5.42595	5.77758	6.562	5.8013	5.18926	6.09675	6.39014	5.68579	5.62065	5.11218	5.61268
ING3	7.19188	7.3332	7.52444	7.27109	6.65253	7.07585	7.32518	6.4328	6.90514	6.69321	7.31853	6.8423	6.44775	6.51684	7.70533	7.50324
ING4	6.69265	7.12429	6.18222	7.11405	7.08169	6.79746	6.11372	5.19903	5.25582	7.04952	5.82812	6.10396	6.3109	7.92528	7.2582	5.78504
ING5	5.02851	4.73716	4.9633	5.03573	5.03203	5.13192	5.22028	5.9118	4.4644	4.91054	4.59114	4.46917	5.06834	4.56149	4.87118	5.339
INGX	3.0835	5.23593	4.9891	5.31891	5.0626	4.20319	2.70047	4.78725	4.58372	4.95044	3.75879	2.93048	5.1154	4.90583	4.89253	4.44222

INHA	3.11441	3.71031	4.39215	3.41062	3.27783	3.08198	4.43758	2.98628	4.49404	3.13394	5.1842	3.66815	4.43617	5.33354	2.47462	4.94079
INHBA	5.37013	4.981	7.2774	4.24885	7.34076	5.92139	6.8921	6.20265	5.06452	5.8578	7.50077	5.76856	5.59384	6.21299	7.06673	6.03871
INHBA-A	3.65455	3.60374	3.82408	3.61186	3.80166	3.40918	4.02009	4.78407	3.43133	3.29806	3.81806	4.85855	3.56473	3.48474	3.50604	4.52222
INHBB	7.58264	4.20465	5.19701	4.69119	4.21316	4.16542	4.55321	3.13235	3.72995	6.97588	3.8925	3.97679	4.68584	3.75913	3.53974	3.34078
INHBC	6.71221	6.39896	6.39586	6.43444	5.92045	6.44543	6.69086	6.45798	6.49105	6.42492	6.18599	6.16473	6.92598	6.60657	6.46304	6.36933
INHBE	5.15926	6.43844	5.93974	5.5845	4.03498	5.64395	5.72213	5.21589	5.51033	5.14202	4.39789	4.18135	5.3226	6.07302	5.76368	5.55587
INIP	5.95336	6.97548	6.89099	6.70755	6.45319	6.41274	6.94612	6.82985	6.66101	5.84093	6.02581	6.20158	6.64563	6.4954	6.62237	6.41874
INMT	3.90594	3.18041	5.53995	3.06525	5.02134	3.84347	3.35187	5.28095	3.57258	5.61368	3.6149	5.25333	3.69964	3.91524	3.52918	5.08786
INO80	7.78949	8.11781	7.60892	8.11228	7.60189	7.96758	8.03432	8.13632	7.4042	8.0775	7.64701	8.01323	8.02477	8.22973	7.74479	8.13222
INO80B	6.72621	4.87197	5.05099	4.94472	4.69135	4.95972	4.93968	4.94996	5.8292	4.94262	6.29956	6.12624	5.36439	5.75347	3.86469	4.93246
INO80C	6.13194	6.84907	5.96774	7.18404	6.8133	6.93502	7.36045	7.31648	6.791	7.22511	7.27295	6.55362	6.97362	7.68776	7.46926	6.8113
INO80D	5.65267	4.83965	5.87534	6.39914	5.51406	6.07023	5.66548	5.60091	5.87081	6.24176	5.65169	5.87195	5.9431	5.75808	5.82677	6.089
INO80E	6.59933	6.50729	6.44565	6.39626	6.64757	6.53507	7.12499	6.88783	7.23363	6.61209	7.16916	6.85982	7.03332	6.54832	6.48524	6.72239
INPP1	9.22423	10.0415	10.371	9.07924	11.7562	10.429	11.9018	11.4504	10.9018	9.21192	9.90783	10.2415	10.2771	11.1909	11.5206	11.1357
INPP4A	4.83965	5.49001	5.69071	4.99999	6.91272	5.47252	5.48108	6.14874	5.76053	4.79506	6.24882	6.10779	5.05901	6.28872	6.04592	6.30501
INPP4B	6.06726	6.29208	5.59408	6.69561	5.52538	5.39096	4.49578	5.93413	5.96883	6.45669	6.8537	5.62606	5.95854	5.05573	5.96635	6.2478
INPP5A	7.39312	7.6948	7.30238	6.61013	7.11924	7.40556	7.01539	6.95994	7.26259	7.96148	7.07111	6.87531	6.62321	6.76898	7.14036	7.34582
INPP5B	4.01369	4.49934	4.20764	4.78582	4.30729	5.52397	4.86304	3.83749	4.33745	4.23617	4.37001	3.13781	3.62197	3.57057	4.09979	4.62117
INPP5D	5.63395	6.13229	5.95144	6.0088	6.42187	6.90602	6.03712	5.63513	5.88098	5.54492	6.32273	6.17931	5.90568	6.18035	6.93843	6.49013
INPP5E	8.31171	7.95029	7.93918	8.10335	8.31415	8.26204	8.13632	8.41642	8.08518	7.34719	7.80469	8.04991	8.21355	8.34898	7.75483	8.42097
INPP5F	6.90215	7.00026	6.94474	7.08016	6.69189	6.89788	6.00736	6.4838	7.29311	6.66049	7.34643	7.03819	5.26108	6.36968	6.82106	5.66827
INPP5J	4.6416	5.64126	6.09264	4.42279	5.56052	5.34499	4.65674	7.85021	6.20242	5.16701	3.96082	6.58543	5.77286	5.83559	5.08159	5.10495
INPP5K	6.76219	6.45781	6.22394	5.80803	6.26246	5.41012	4.90183	4.84921	6.73338	7.16505	6.36554	6.54	6.67304	6.43637	5.49487	6.15861
INPPL1	8.32844	8.31666	8.07212	7.86571	7.49816	8.0588	7.2577	7.12528	7.07881	8.2603	8.19911	8.66567	7.69134	8.38789	7.47692	7.97557
INS	5.18934	5.4303	4.65435	4.72819	5.23329	5.36175	4.61995	4.04879	2.58986	4.75793	5.30804	2.64907	5.21928	4.11853	3.04901	5.43914
INSC	3.35226	4.20465	4.13154	3.00618	3.41088	5.00186	3.74769	4.00856	6.13377	5.12105	7.41939	5.93442	3.95924	3.55944	4.44812	4.55668
INSIG1	7.41461	7.28781	6.86887	6.56925	7.32785	6.57712	6.03254	7.0853	7.46283	7.01125	8.13334	6.02595	7.34053	6.70631	7.42558	7.41057
INSIG2	7.68956	7.91644	8.38767	8.25096	7.99341	8.05195	8.12631	7.84	7.83583	8.16657	7.9407	7.8954	8.23425	8.4383	8.48462	7.90263
INSL3	5.6255	5.89988	5.80477	5.55712	5.46729	5.72697	5.49238	5.88563	5.6595	5.49899	5.57534	5.65765	5.94445	6.30364	5.17437	5.96015
INSL4	4.38384	3.93361	4.64127	4.1299	4.22631	3.601	5.44093	6.03368	5.1046	5.29843	3.80377	5.42908	3.98812	4.60832	5.33678	5.26796
INSL5	4.22576	3.30026	3.21294	3.57686	4.00401	2.95599	3.60262	3.23218	2.88086	3.55696	3.51391	3.51602	3.69964	3.07586	3.91498	3.62113
INSL6	5.10752	4.80979	3.99755	5.302	3.0533	3.33634	4.3989	4.77096	4.74411	2.50603	4.94543	4.03129	4.59065	4.65943	5.20337	3.94585
INSM1	5.13232	6.16426	6.43699	5.99359	7.66086	6.14618	8.67112	7.90945	6.23669	1.49394	3.99549	5.71623	6.74998	9.60059	6.82917	8.32872
INSM2	5.78934	3.32466	3.42172	3.6256	5.40426	4.64929	4.32228	2.83945	4.88674	5.08644	4.17832	3.77334	2.66449	2.88516	3.84111	3.26138
INSR	6.79723	6.49265	6.70457	6.49246	6.46228	6.11992	6.3909	5.97782	6.08093	7.75166	5.24722	6.4483	5.89013	6.03131	6.24346	6.2673

INSRR	4.29421	5.20867	6.61516	4.07722	4.37137	6.57211	5.83715	6.00457	4.06039	3.78199	5.58837	5.82688	4.12996	4.40268	3.7606	5.96359
INTS1	7.34582	6.56066	6.02788	6.70411	6.69578	6.61479	7.16353	6.84633	6.7602	7.03856	5.93989	7.06405	6.71935	7.35181	6.69284	6.84518
INTS10	7.05818	6.52099	6.71808	6.6512	6.81688	7.01158	6.35565	6.86669	6.31343	6.40133	6.8608	6.03028	6.42602	6.4856	6.71221	7.03457
INTS12	6.76563	6.44222	7.20792	7.30272	8.05538	7.32884	7.29617	7.9141	7.16265	7.52519	6.98629	6.62436	7.62564	8.2438	7.63257	7.81409
INTS2	8.13683	7.75674	8.10034	7.74071	8.5495	8.38085	8.81024	8.76514	7.7985	6.83665	7.85877	7.26275	8.3496	8.02694	8.65607	8.30889
INTS3	6.56324	5.58686	6.23343	5.16648	6.37883	5.46371	4.69418	5.25011	6.89817	4.84684	5.97095	5.38189	5.34309	5.34141	6.36989	5.99707
INTS4	5.51406	5.58003	5.49464	6.04874	5.56872	5.68058	4.89528	6.10003	5.76939	5.80924	5.55737	5.73024	5.80008	5.78564	5.77873	5.72712
INTS4L1	3.22144	2.97605	3.55864	2.73925	2.47594	3.88596	3.27441	3.77845	2.13825	2.85867	4.71618	2.99228	2.79294	3.71992	3.70234	2.26153
INTS5	8.49751	7.93484	7.75071	7.86922	7.44838	8.20967	7.31112	7.43803	7.72349	6.95773	7.75205	8.35203	8.16058	8.60332	7.12767	7.61999
INTS6	6.78398	6.96616	7.11329	7.17933	6.8718	7.00686	6.93394	7.15669	6.77496	6.42187	7.26483	6.49655	6.5917	6.55633	7.09387	7.16436
INTS6-AS	4.45472	5.03733	3.89931	4.82516	5.32537	4.51349	4.36649	4.23244	4.29709	3.89931	4.38394	4.52501	3.90071	4.89915	3.80675	4.4943
INTS7	4.75966	4.98157	5.47909	4.56504	6.29734	5.949	6.60313	6.32921	5.91883	5.51577	6.13169	5.28856	6.24308	5.50657	6.1546	6.88246
INTS8	8.62766	8.65818	8.77566	8.58624	8.74814	8.71228	8.92983	9.13351	9.02862	8.48742	8.56369	7.61706	8.67187	9.30247	8.56333	9.00855
INTS9	7.09315	5.98151	6.84248	6.98738	6.32249	6.65691	6.90842	6.52602	6.64896	7.11276	6.42572	7.20472	7.09167	6.60313	6.87781	6.92854
INTU	7.81607	5.93216	6.04515	6.79474	6.38992	5.93894	6.2013	5.68015	5.62571	6.32705	5.87521	5.61554	6.61504	6.36872	6.49574	6.38419
INVS	4.33695	4.4489	4.67394	3.912	4.89504	4.3777	5.483	4.91088	5.46371	4.36824	4.65754	4.46646	5.22658	4.37497	5.54389	5.19806
IP6K1	6.75611	6.78671	5.22231	6.48555	6.75356	7.23313	6.59245	6.90016	6.86436	7.65355	7.44207	7.56618	6.65003	6.44212	6.25921	6.9892
IP6K2	8.78798	7.81197	8.4259	8.38627	7.81268	8.04348	8.00126	7.77611	8.25993	7.37708	7.80919	7.66179	7.76557	8.26067	7.5405	8.38038
IP6K3	7.43031	3.04911	1.73976	3.65448	2.71531	1.73976	3.25433	2.04007	2.61941	1.43866	1.67696	2.81338	6.76053	1.84505	4.21327	3.34078
IPCEF1	7.1569	7.97053	7.26681	7.83428	7.34628	7.95203	7.79368	8.04288	8.61181	6.33734	9.02111	7.9949	9.39051	6.51043	7.29882	7.48357
IPMK	6.53281	5.8773	5.72931	4.66808	6.04592	5.33204	6.34485	5.15451	5.28614	5.95721	6.75886	3.31831	6.18726	5.51577	5.48041	6.11067
IPO11	4.30677	4.73879	2.14348	4.57486	4.81051	3.18781	2.31492	5.20645	3.13363	1.63837	1.82109	4.03926	4.56642	5.09791	2.36623	4.15607
IPO13	7.41577	6.70956	6.89555	7.15498	6.88048	7.94608	7.22892	7.72665	7.57081	7.84662	7.36045	7.5193	6.8535	7.65208	7.07381	6.96135
IPO4	7.6658	7.83743	6.74102	7.84852	8.21957	7.13215	7.48235	8.00842	7.66664	7.55124	7.78599	7.84126	7.83639	8.19658	7.13775	7.76709
IPO5	6.91272	6.98426	6.36743	6.67922	6.98373	6.92479	7.88588	7.43254	6.49631	6.95076	7.81934	6.34875	6.72068	7.32785	7.78582	7.42056
IPO5P1	6.05003	6.0939	5.47935	5.64395	5.98436	5.5755	5.3543	6.11701	5.85334	6.07302	5.36001	5.31934	5.23337	5.99118	5.78904	5.46159
IPO7	8.57166	8.47529	9.01959	8.79617	8.82789	8.91763	9.33697	9.20892	8.93763	8.8522	8.84532	8.50431	8.19911	8.63277	9.0096	8.39244
IPO8	7.32358	7.33842	6.94762	7.20767	7.67128	7.20323	7.30333	8.06728	7.29756	7.70533	7.25499	6.38914	7.17104	7.19735	7.55949	7.27143
IPO9	5.54505	5.80642	5.81021	5.40805	6.73353	6.39306	6.48497	5.68702	6.29386	6.75189	6.46662	6.11841	5.85667	5.42135	6.60922	6.53593
IPO9-AS1	7.20332	7.0693	7.58194	7.01939	6.4564	6.98885	7.10564	7.43293	6.65275	7.18769	6.65734	6.694	7.00157	7.41593	6.50107	7.05217
IPP	6.56625	5.59813	5.35628	5.55737	5.60896	5.73664	5.92663	5.63371	5.59813	5.69299	5.05274	5.03573	4.814	5.46406	5.85017	5.08129
IPPK	7.27394	7.14589	7.52542	7.03353	7.00701	7.21091	7.327	6.87934	7.3728	7.12636	7.57786	6.85663	7.15768	7.05041	7.05741	7.28473
IQCA1	6.08351	5.10469	4.26324	5.39594	4.55883	4.65478	5.12636	4.94835	5.45776	5.41981	4.48624	4.83778	4.82325	4.6307	4.39393	4.78149
IQCB1	7.7715	7.46391	7.25444	7.88396	7.59121	7.51761	8.23555	7.06607	7.21091	6.88815	7.35989	7.62995	7.65586	8.26476	8.03572	7.73741
IQCC	6.77758	6.07849	6.76172	6.52577	6.27391	6.46938	6.1846	5.65668	5.69444	5.70745	5.82837	6.51968	6.65491	6.70872	6.32715	6.65726

IQCD	9.80078	7.70081	7.03443	8.79047	5.67359	6.6694	6.5815	5.67359	6.17468	6.72319	5.74677	7.35675	6.47236	6.47656	6.51364	5.89702
IQCE	6.16942	4.64707	6.47632	5.30024	5.50191	5.02539	4.46802	5.83775	4.67509	6.01754	4.74782	5.57718	5.19361	4.99867	6.31288	4.1494
IQCF1	5.04246	3.83749	4.72699	5.14398	4.77406	4.70674	4.22871	4.36974	5.43578	4.80964	4.2727	4.91247	5.99473	5.00736	5.82413	4.6173
IQCF2	5.84166	5.06524	4.08394	3.73945	3.32431	2.79576	4.11808	3.17146	3.90229	4.595	4.76672	5.34266	3.96898	6.08763	3.03267	3.57557
IQCF3	2.16905	2.04582	2.27099	2.63639	2.73769	2.74824	2.70047	3.3596	1.92414	2.77263	3.18189	2.20167	2.96494	2.44811	3.99153	2.36473
IQCF4	5.78387	5.58603	5.5865	5.66075	4.61811	5.68517	5.48605	5.06322	5.06242	4.39244	3.73917	5.49001	3.60262	5.50069	4.64949	4.94079
IQCF5	2.61145	1.67217	2.17949	3.15929	2.89774	3.88596	2.42155	3.45352	3.04535	2.23712	2.13586	3.16915	2.73615	3.58891	3.4529	2.5569
IQCF5-A	5.3204	4.04274	4.03916	5.61264	5.62483	4.59455	4.65674	5.5188	4.23358	5.09188	5.69186	3.60204	5.93224	5.28258	4.97026	4.81177
IQCF6	3.59987	3.55786	3.40102	3.32481	3.30882	3.22527	3.61825	3.06557	3.87677	3.87941	2.95531	3.42733	2.96494	3.49255	3.13607	3.0606
IQCG	7.08736	6.11524	5.58467	7.44394	6.30023	4.65312	4.27343	5.98732	5.59554	5.49238	5.6905	6.37883	6.06196	4.73591	5.69563	6.11602
IQCH	4.93625	4.32957	4.24728	5.11108	4.46555	4.91737	4.76339	4.46646	3.82085	4.25437	4.05284	4.30792	4.52451	5.0999	4.81469	5.00256
IQCH-AS	5.91716	3.89893	5.12092	3.73945	6.72476	4.40473	6.46361	6.38441	5.26316	6.57312	5.49101	6.5773	6.97801	6.65423	6.45116	5.84362
IQCJ-SCI	4.09491	5.36162	3.97055	3.8281	4.13167	4.51187	4.41106	4.37563	2.5663	6.31502	3.58961	3.32466	4.98805	5.55549	4.7519	4.42279
IQCK	6.77805	6.33638	6.1544	5.82355	5.76118	6.1544	5.63605	6.2807	5.70611	6.40964	5.9209	6.03942	5.98662	6.54256	5.86835	5.39798
IQGAP1	7.18879	7.03429	7.04132	6.94742	6.76368	6.89264	7.54447	6.69731	7.60958	7.41351	7.29026	6.20059	6.85206	6.29873	6.94426	6.90726
IQGAP2	4.82378	5.85731	6.23151	5.53799	5.58973	5.55129	3.93299	5.2742	5.53181	4.99162	6.93297	4.70118	6.00649	4.00704	5.65385	4.74067
IQGAP3	4.22313	5.15526	5.07913	4.10404	5.07033	5.23682	5.39004	5.38983	5.57458	4.72209	5.16102	5.05638	5.36018	4.52222	5.0986	4.86031
IQSEC1	8.39162	8.39318	8.59625	8.33525	7.68484	7.67544	7.85197	8.03983	7.68776	8.02774	7.8327	7.83583	6.94612	7.83406	7.61148	8.2149
IQSEC2	6.99578	6.87735	6.82106	5.6595	5.95058	6.72166	6.089	6.60609	6.35326	6.66787	5.94675	6.27471	6.23645	6.74779	6.1475	6.28672
IQSEC3	3.13781	3.43472	2.62826	2.20167	2.64224	2.96145	2.87786	2.74154	2.00958	2.32838	2.31215	2.77795	2.72538	2.49723	3.03791	3.47791
IQUB	4.74756	4.63286	3.73945	6.12617	4.30494	4.95513	3.25433	4.20167	4.19706	3.55696	4.94996	4.01677	5.24633	3.46534	4.58644	4.02452
IRAK1	8.14684	8.80719	8.65005	8.47096	8.35311	8.28608	9.07417	9.26078	8.43956	8.50217	8.12724	8.83547	8.24826	8.68047	8.54327	8.61815
IRAK1BI	5.96577	5.22623	4.58951	5.54645	6.46304	5.30756	6.26517	5.44775	5.69601	3.61521	4.40557	4.66192	5.29437	5.17622	5.90425	6.48309
IRAK2	6.19406	6.48609	6.27249	6.1275	6.12881	5.75357	4.55035	6.1716	5.67192	6.11701	5.68203	5.27357	5.58714	6.28247	6.42911	6.1983
IRAK3	6.12925	6.35285	6.30863	5.88995	5.65592	5.58501	6.4328	6.38374	6.33704	6.15008	6.24655	5.28882	5.41414	4.44693	6.48455	6.49283
IRAK4	6.06855	6.32617	5.78627	6.04567	5.77051	5.34835	6.28945	6.1892	6.67057	5.58847	6.24413	6.17087	6.4281	6.11917	6.21493	5.98518
IREB2	5.56043	5.56217	6.01053	5.46793	6.36829	5.60476	6.4202	5.94251	6.123	5.69581	6.06407	4.00373	5.95553	5.88098	5.93115	6.19045
IRF1	8.15909	8.55042	9.02691	8.22402	8.61941	8.55331	8.5017	8.63631	8.98463	7.66453	10.1365	9.10446	8.72446	8.77378	8.23302	8.60654
IRF2	6.10937	6.61318	6.14165	6.49318	7.65545	6.8728	6.65014	7.45198	7.533	6.70731	7.23795	6.63345	7.08625	6.35326	7.45787	7.05953
IRF2BP1	5.79778	4.01765	3.72982	4.25955	3.9949	3.93664	4.15069	6.51384	6.12181	5.05621	4.48301	3.86376	5.76092	5.39607	4.40873	4.93639
IRF2BP2	8.58514	8.03931	8.69689	8.63335	8.06888	8.53909	8.23349	7.84726	8.43072	8.54726	7.94829	8.53336	8.57771	8.48507	8.49676	8.40947
IRF2BPL	11.2278	11.0563	12.0385	11.2154	11.3587	12.1851	11.9171	11.4758	11.5301	11.4854	11.7815	11.4604	10.6031	10.5665	11.0417	10.7518
IRF3	7.74792	7.71275	7.7845	7.89722	7.92379	7.91216	7.67654	7.99865	8.40947	7.67932	7.62683	8.75045	7.73205	8.44583	7.74961	7.82907
IRF4	4.45424	4.35735	4.19812	4.05943	4.35178	4.23311	4.11032	4.47054	4.29893	3.97656	4.93197	4.02075	4.54391	4.06207	4.31815	4.02774
IRF5	6.46428	5.86679	6.03955	6.29133	5.77746	6.51546	6.43229	6.55342	5.949	5.94701	5.93703	6.72553	6.46249	6.43573	6.06799	5.483

IRF6	6.84862	6.37591	5.9868	6.60555	7.15229	7.5431	8.57847	6.81265	7.52127	6.37481	6.5302	6.5815	7.66223	7.48453	8.09465	7.02326
IRF7	7.65851	7.65828	8.11404	7.48908	8.0016	8.2823	8.10055	8.83304	8.32816	7.60168	8.16578	9.04668	8.2871	7.69492	7.69997	7.62364
IRF8	8.5288	9.71435	9.39668	9.4206	9.10034	9.7224	7.69452	9.17582	9.0751	7.20528	9.13921	9.59094	8.90648	7.66201	8.98061	9.2421
IRF9	9.23779	8.8333	8.76383	8.14551	8.70461	7.51096	7.05429	9.00106	9.60515	8.12977	8.75966	9.24816	8.7993	7.87143	8.03931	8.30111
IRG1	5.7287	6.44114	5.90303	5.8045	6.36168	6.6178	6.19774	6.69627	6.30355	6.39985	9.68695	6.599	6.32792	5.49726	6.19838	6.33896
IRGC	3.17857	3.11174	3.0093	2.77414	3.09072	2.99117	2.96225	3.15288	3.09248	2.98998	4.04954	3.11416	3.47767	2.82083	2.89621	3.73803
IRGM	1.19711	1.49036	1.73976	1.06683	1.80599	2.39513	1.95222	1.79233	4.39183	1.92074	1.82109	2.34474	1.11444	1.5436	1.00765	2.4155
IRGQ	6.15861	6.01106	6.12252	5.98807	6.35947	6.09844	6.49574	6.21895	6.12575	6.26164	6.06196	5.79242	6.04684	6.29363	6.36841	6.38755
IRS1	5.34452	6.40739	7.05787	6.74845	6.70223	5.98219	6.57	6.23437	6.53713	6.94281	7.19982	5.18553	5.14578	6.43039	5.98945	5.44224
IRS2	9.47585	8.79448	8.57592	9.01581	9.22973	9.67513	10.4778	9.42357	8.15363	9.36926	7.78315	8.1411	7.64917	10.6494	8.82456	8.1136
IRS4	7.05458	5.51616	6.54875	6.42442	5.95379	5.94244	5.35566	6.31611	6.23376	5.932	6.01691	6.77204	6.76563	6.78926	6.65059	6.60087
IRX1	6.83917	6.75126	7.01562	6.47523	6.40806	8.62373	6.47102	5.79806	5.88266	8.46973	6.14261	7.35675	5.84764	5.96474	5.15143	5.69415
IRX2	5.68816	5.49711	4.83281	4.81568	6.09276	6.69058	6.43077	5.25825	5.34567	7.58738	5.27249	5.80945	5.26879	5.44954	5.68679	5.36112
IRX3	10.5789	9.55087	9.70398	10.1183	9.82289	9.19798	10.908	10.0139	9.48403	10.6118	7.46725	9.7968	10.2283	9.88457	9.97929	8.94422
IRX4	4.73297	5.74889	6.42265	6.32705	5.87497	6.49631	5.44093	6.04567	4.06977	8.40005	7.26214	4.2376	5.72983	4.05603	5.31676	6.01582
IRX5	5.3496	5.53282	5.77656	4.1487	4.88936	4.45264	5.6242	5.80439	4.52011	5.97535	4.28288	4.64303	4.83558	5.5861	4.86513	5.22223
ISCA1	8.04765	8.45605	7.86001	8.48187	8.7291	8.62008	8.12568	9.0488	8.75045	8.00713	8.32414	8.83871	9.37829	7.6187	8.36439	9.07924
ISCA2	9.38206	9.52199	9.33951	9.84358	9.19557	8.50717	6.83461	8.80081	8.44675	7.90683	8.84687	9.46022	9.33149	8.22559	8.05538	8.68017
ISCU	10.3635	11.2558	11.4919	11.4345	11.2075	11.2015	11.374	11.6143	11.4272	11.0355	10.4243	11.5206	10.9636	11.6759	10.9636	10.5665
ISG15	8.92659	9.17193	10.149	9.54173	9.1073	9.1851	10.2886	10.3563	9.39963	8.6233	10.6075	10.7134	9.93446	9.73529	9.26363	9.93918
ISG20	9.32902	9.58716	10.1542	10.058	9.43414	9.32902	8.55383	9.49437	9.79789	8.05665	10.0193	10.7421	9.34402	9.00248	8.6349	9.04721
ISG20L2	5.80439	6.23676	6.01819	6.11248	5.78012	6.24844	6.69783	6.35231	6.72579	5.67273	6.76245	6.60677	6.81668	6.31984	6.70802	6.64035
ISL1	8.96525	7.58264	7.70673	5.72522	8.22214	7.84645	8.04267	7.64471	6.12891	6.56332	5.89332	5.63434	5.91468	9.01348	7.63653	5.3398
ISL2	7.62599	7.07482	7.6227	5.9482	6.86538	6.57417	7.29274	6.28749	6.95429	7.20013	6.67094	7.21753	7.09238	6.25158	6.16699	6.89972
ISLR	7.27175	6.97063	7.27718	6.62442	7.66991	6.68363	5.84791	6.73741	6.87275	7.82427	7.07592	7.59417	4.87351	6.60967	7.87248	6.79431
ISLR2	6.02417	6.58386	6.01017	6.37105	6.19154	6.69488	5.24432	6.62481	6.63311	6.11327	5.81025	6.36574	6.72976	6.23371	6.3927	6.53972
ISM1	3.72627	3.84644	4.06388	3.57327	3.6922	3.72029	3.56161	3.07535	3.89796	4.57451	3.16073	3.72831	2.76892	3.09607	4.03485	2.97414
ISM1-AS	4.68509	3.45279	3.61284	3.87736	3.66644	4.0466	2.73211	4.79956	4.85113	2.95492	3.45744	3.7042	3.61424	1.92414	3.35152	4.50598
ISM2	6.24052	5.66976	6.2047	5.73265	5.18876	4.49442	5.37133	6.9078	4.10622	5.63956	4.79301	6.10097	6.52377	3.90216	6.49359	6.82553
ISOC1	8.56669	8.97876	8.99254	9.09179	8.36651	9.43871	9.51684	9.10071	8.63717	9.01348	8.82067	8.80453	9.16254	9.54637	8.64603	8.68868
ISOC2	7.42774	7.56995	7.0981	7.6636	6.84923	6.9764	7.0576	7.7485	7.25065	7.84084	8.08135	8.07018	7.91065	7.65178	7.48498	7.57764
ISPD-AS	2.39175	3.5702	4.70546	5.02623	3.81102	4.26713	2.94737	3.32466	3.54915	4.49847	4.24541	3.01248	4.72807	2.46648	3.73049	4.40557
IST1	8.05785	8.23349	8.11184	8.39244	8.33649	8.11563	8.36086	8.48462	8.41793	8.62832	7.89329	8.19104	7.78682	8.78881	8.66768	8.39387
ISX	4.35866	4.46162	5.3987	4.51263	4.83558	2.65434	5.66827	5.21589	4.39183	3.63896	5.86031	6.05673	5.69979	5.64126	5.25098	6.0554
ISY1	5.74699	5.65805	5.55253	5.64797	6.15798	5.8076	5.88373	5.51451	5.33989	5.38679	6.48414	5.77513	5.61631	6.09786	5.43557	6.29734

ISYNA1	5.48589	5.2535	5.95617	5.08426	5.45483	5.34359	5.87573	5.11309	5.76704	5.77304	5.46569	6.26973	6.28422	5.70246	5.51506	6.0402
ITCH	5.13901	5.26675	4.86934	5.11589	5.64066	5.15403	4.57499	4.71386	4.97871	5.26369	4.73921	4.51847	4.87118	4.52313	4.99435	4.46077
ITFG1	7.31427	7.22861	7.40067	6.88181	7.32307	6.87459	6.77172	7.18473	7.0981	7.54447	7.11366	6.39924	6.95076	7.17953	7.01792	7.18606
ITFG2	6.99283	7.60305	7.47622	7.13305	7.19046	7.85734	7.57645	7.25652	7.4535	7.53139	6.64383	7.48453	7.31233	6.92953	6.77183	6.66446
ITFG3	5.4629	4.16994	4.49114	6.26566	6.80876	6.12611	6.95493	6.15898	7.45526	4.23056	6.70325	7.05834	7.35304	6.44624	7.30197	6.74102
ITGA1	4.16718	4.47148	5.2071	5.14762	5.16102	5.32479	4.97776	5.01642	5.92381	6.27556	5.22546	4.87083	4.77306	4.61047	5.9966	5.70391
ITGA10	7.12292	6.14133	6.59456	6.62977	6.6396	6.6437	6.73122	6.93102	6.92863	8.01099	6.64383	6.85132	6.68978	6.62549	6.32101	6.31186
ITGA11	4.06039	3.9523	4.22596	3.31615	4.09979	5.10351	4.02546	4.37858	3.50462	4.04247	4.15245	3.56983	3.40952	5.27357	3.46026	4.5797
ITGA2	8.61308	7.45059	7.99727	8.36563	7.52261	8.57525	9.18179	6.72579	8.1411	8.371	7.35432	7.80837	7.8312	8.61181	8.82696	7.38556
ITGA2B	3.51777	4.06086	2.75185	3.70267	3.54421	3.818	3.67007	3.75611	3.7517	3.67678	3.8966	3.95816	3.50907	3.85641	3.61365	3.9761
ITGA3	6.92385	6.32945	7.0981	6.50618	7.19439	7.533	7.44148	7.74219	6.90744	7.17031	7.44322	7.70647	6.79169	6.89158	6.95784	6.96135
ITGA4	4.48624	5.04856	5.96515	5.80361	6.28889	5.11677	4.56438	5.39578	6.53633	4.88962	6.36829	5.48005	4.71878	4.06116	5.66603	5.23405
ITGA5	6.91614	6.0737	6.96054	7.51025	6.35326	7.70549	6.85319	7.69174	7.62016	7.45408	6.59726	7.15768	7.5397	7.78353	6.92304	5.30906
ITGA6	5.75357	5.72052	7.1396	5.4942	6.4202	6.74803	5.66227	5.52109	6.25249	7.31528	6.98373	6.66212	5.85483	5.97543	6.99449	6.35718
ITGA7	4.89233	4.9654	6.27896	5.24471	4.71149	5.64109	5.46016	5.34835	5.10247	6.20209	6.2985	5.55384	5.2306	4.95657	5.29579	4.87951
ITGA8	5.54883	5.20976	5.86038	5.73121	5.02998	5.14127	5.02308	5.30045	5.56646	5.32967	4.45488	5.85235	4.88894	5.14127	5.4792	5.23682
ITGA9	5.09503	4.55504	5.62247	5.05847	4.76297	5.30787	4.13607	4.36498	3.97656	5.72647	4.93889	5.03866	4.50759	4.66469	4.58543	5.00035
ITGA9-A	5.65625	5.88552	6.02901	5.73265	3.94739	6.16175	6.55426	5.61655	5.65192	6.19774	5.55165	4.88247	3.60262	5.03176	5.35772	3.45478
ITGAD	6.39626	4.78923	5.85696	3.65448	4.18221	3.87636	3.76501	4.08791	3.5256	3.41751	3.5826	3.55262	3.58948	3.47687	2.97605	3.08868
ITGAE	9.88096	9.83745	10.1246	9.93918	10.269	10.4698	9.15499	10.217	10.5826	9.63286	10.167	10.4489	10.5062	9.72748	10.0629	9.65256
ITGAL	6.70889	7.8444	8.23492	7.81534	7.54501	7.40862	5.77414	7.80799	8.41962	6.75235	7.57314	8.1881	7.18124	6.8096	7.00204	7.26448
ITGAM	7.53288	8.70013	8.37894	8.49885	9.57128	8.34289	8.49106	10.794	8.31053	7.13305	8.70076	8.71228	8.89283	8.62877	8.36759	8.13823
ITGAV	9.76893	10.163	11.2075	9.90653	11.8	11.3913	11.8493	11.1658	10.5313	10.8054	9.75827	10.4176	10.7178	11.5105	11.9018	11.468
ITGAX	5.6018	6.71047	6.90659	6.581	6.75718	5.81884	5.95527	7.14827	6.31242	5.27193	6.50119	6.62374	6.21586	5.21531	6.562	6.53673
ITGB1	5.08546	5.14762	4.98359	4.87152	5.32026	4.81196	5.24924	5.47752	5.2869	5.76752	5.51648	4.80528	5.60325	5.29878	4.99245	4.84794
ITGB1BP	5.99187	6.16524	6.02213	6.18589	6.23778	6.0402	6.10475	5.59967	5.97318	5.22636	6.47126	6.19751	6.26498	5.80324	6.10715	6.71775
ITGB1BP	1.60375	2.07729	2.48448	1.50761	3.29261	2.11228	2.70047	2.07548	1.45473	1.78758	2.18694	1.63685	1.89786	1.78331	1.70284	2.07548
ITGB2	5.64993	6.80813	8.08135	6.9564	7.15958	7.59516	4.93688	5.49238	7.67899	6.45463	8.17292	7.63045	6.82752	6.74434	6.53064	6.20604
ITGB2-A	6.73451	7.74752	7.25163	7.57827	7.35181	7.81498	6.42415	7.44226	7.54165	6.67496	6.2802	7.89256	7.47372	5.32145	6.76332	8.12724
ITGB3	5.12155	5.27941	4.8636	4.87951	4.8875	5.04032	4.98681	5.19435	5.03158	5.12258	5.0875	5.1023	5.31378	5.53864	5.10351	5.17658
ITGB3BP	8.34481	8.94645	8.04951	8.92427	9.13804	8.72582	9.20892	9.25104	7.74178	8.32931	8.63335	8.49014	9.66572	8.74774	9.15028	9.29297
ITGB4	5.11814	5.09175	5.4251	4.44748	5.64109	5.53181	5.36209	5.42892	5.23713	5.7021	5.32594	5.16332	5.34463	5.88899	4.7638	4.92985
ITGB5	7.97532	5.92336	7.04973	6.63278	7.41172	7.62815	7.1525	6.32423	6.07493	7.61683	6.21493	7.22146	5.47752	6.8284	7.75974	6.99664
ITGB7	7.40139	8.1838	8.11642	7.8562	7.7715	7.98651	6.92327	7.77471	8.47426	7.35953	8.3496	8.24453	7.40525	7.48929	7.4042	6.87583
ITGB8	4.95856	4.83543	5.0902	4.31071	4.8391	4.72596	6.27641	4.51245	4.39682	4.74517	4.6787	3.75766	5.08694	4.58428	4.59491	6.05663

ITGBL1	5.57613	5.3421	6.66257	5.67113	5.92597	6.2845	5.06279	5.93039	4.9939	5.01929	4.79506	6.16413	4.74876	5.40915	5.83559	6.49982
ITIH1	2.58692	3.12278	3.56906	3.46996	2.53024	2.76484	3.2194	3.10948	2.50218	2.34717	2.13586	4.70518	3.02655	3.21424	2.78105	1.89302
ITIH2	3.62466	5.28273	5.9848	4.95776	5.12089	4.38024	4.71726	3.96044	5.40317	6.01933	5.55777	5.61811	4.30438	5.71377	5.57862	5.16989
ITIH3	3.4567	3.91554	5.07497	5.49184	5.28342	4.4329	3.18384	2.83945	5.97794	4.18447	3.5826	5.3021	4.82036	3.3814	5.26248	4.30438
ITIH4	3.61778	3.20866	4.66076	3.79931	4.6923	3.34284	4.02254	4.24374	4.15877	3.67421	4.15633	4.27547	4.22194	4.03368	3.47163	3.81727
ITIH5	6.43458	6.91121	6.35743	6.53487	5.86057	6.7359	6.03236	6.6594	6.41115	7.31233	4.02241	7.29117	7.87706	5.43429	5.60113	5.86603
ITIH6	3.52524	3.13884	3.28947	3.41062	2.44843	3.17101	2.67152	3.23218	3.91489	2.5437	3.19795	2.20167	2.66449	3.31071	2.72952	3.31912
ITK	6.75043	8.05538	8.38767	8.13938	8.57592	7.49443	6.51384	8.07164	8.53555	6.09939	8.20431	7.40722	7.70673	6.74522	8.396	7.33842
ITLN1	4.92663	4.07403	5.4513	5.73265	4.21316	4.25611	5.13757	5.82161	4.86178	8.1862	5.66318	4.61373	5.60935	5.17042	4.16718	4.2082
ITM2A	7.08078	7.63463	8.78314	8.96715	8.11439	8.10309	5.76823	6.83019	8.83956	8.29715	8.83871	7.81725	7.62329	6.38874	7.67745	6.67897
ITM2B	11.422	11.5751	11.9321	11.8106	11.7283	11.9903	11.8106	11.7002	11.8866	11.7733	11.5301	11.2015	11.297	11.602	11.9441	11.6606
ITM2C	9.13069	10.1401	11.3355	9.96903	9.20565	9.86158	8.65073	9.39515	10.4362	10.5665	8.25405	11.2324	9.08007	9.51229	9.46237	8.99254
ITPA	8.93549	8.41119	7.70367	8.5483	8.09094	8.13808	6.93763	6.07103	5.93654	8.00403	8.48329	9.46488	8.58309	9.06728	7.79926	7.8327
ITPK1	5.4555	5.55283	5.55891	6.01092	5.51925	5.98103	5.64954	6.30924	5.34584	5.76053	5.30913	6.00971	5.60857	5.54898	5.049	5.8635
ITPK1-AS	5.53039	5.55517	5.28981	5.53995	5.04032	5.38679	5.5717	6.09844	5.20742	5.74899	5.44837	4.37463	5.76752	5.32899	5.71831	5.42546
ITPKA	2.63482	2.59102	2.68367	2.61385	3.09072	2.18538	2.63794	2.93245	4.35456	3.15532	3.14656	2.73426	3.53101	3.23061	3.13607	3.31912
ITPKB	4.96044	4.78612	4.25636	5.23321	5.36879	5.50389	4.48705	4.67969	4.69665	4.67307	5.14236	4.45311	4.08647	4.45971	4.31871	4.84921
ITPKB-IT	3.69182	2.77081	3.57935	3.27048	2.50418	3.74792	3.97251	2.52957	3.11326	3.62321	3.43836	2.38821	2.34547	2.88516	2.41671	2.16972
ITPKC	7.51061	7.16663	6.47688	6.59503	7.45626	7.46804	8.01647	7.28649	7.58232	7.82787	8.2853	8.35355	7.21555	7.71017	6.95066	6.82429
ITPR1	4.74294	4.95231	5.54484	5.49803	5.77513	5.21834	4.92969	4.87602	5.76312	6.56571	6.06936	4.77035	4.30155	4.22106	5.38983	5.6175
ITPR1-AS	2.58692	2.82798	5.0199	2.72117	3.12473	2.45459	2.88209	2.46648	3.22752	4.06894	2.10233	3.21231	3.96898	1.6809	3.15051	5.75568
ITPR2	4.33509	5.39469	5.82306	4.98862	4.62482	5.47619	5.70357	5.42419	5.86084	6.28605	5.53637	5.12603	5.01135	5.03535	5.73235	5.29579
ITPR3	6.4899	6.65309	6.56733	6.15932	6.89099	6.24612	6.26933	6.07229	6.11019	6.04314	6.15028	6.2147	6.53507	7.21934	6.04567	7.21764
ITPRIP	6.14279	6.95695	6.79861	6.00366	6.73937	6.79793	6.20375	7.3304	6.48947	7.09521	6.55342	6.73309	6.46324	7.12352	6.75444	6.58543
ITPRIPL1	5.78082	6.58914	6.19729	6.21818	6.04946	6.32278	6.38982	6.70518	6.35206	5.84343	6.27203	6.2574	6.29404	6.89158	6.30215	5.6819
ITPRIPL2	6.16627	5.7207	6.00366	5.69927	5.34584	5.55737	5.2002	5.33224	5.88995	5.70933	6.18481	5.48731	5.49711	5.67007	5.43961	5.28273
ITSN1	5.45816	5.70437	5.55223	5.46739	5.44477	5.89788	5.70072	4.9315	4.90076	5.49824	5.51248	4.58697	5.11608	6.29917	5.72249	4.80389
ITSN2	7.43279	7.93282	8.03432	8.10225	7.77756	7.98398	7.93038	7.90366	7.88003	7.88149	7.02009	8.02925	7.34167	7.17486	7.99841	7.82536
IVD	6.23481	6.01341	6.07392	5.8151	6.02979	5.84809	6.43444	6.14843	6.2985	5.98394	5.97235	6.2836	6.51597	5.95685	6.03658	6.62218
IVL	5.88381	6.01017	5.76333	5.7533	6.02566	5.70221	6.7013	6.45798	6.56778	6.39317	9.50261	6.10097	4.65932	4.64607	6.00927	5.476
IVNS1AE	8.63946	8.37262	8.84609	8.10956	9.04668	8.49565	8.33155	8.23302	8.81561	9.06823	8.68785	7.76334	8.59625	7.78878	9.12925	8.8844
IWS1	5.58825	5.47252	5.72522	5.39292	5.70611	5.68726	5.56135	5.99556	5.58663	4.82189	5.37862	5.84738	5.34279	5.80924	5.71612	5.79452
IYD	5.30688	4.19998	1.59211	0.78709	1.20215	-0.2642	4.60294	1.3689	0.80062	0.33356	3.0131	0.46592	2.98256	2.28524	2.34348	1.32709
IZUMO1	3.76841	4.70756	2.48448	3.54894	4.5743	4.11531	3.95924	3.3596	4.57635	3.21812	4.71136	3.99715	4.08241	3.44975	4.04773	3.45478
IZUMO2	3.64066	2.44316	3.68203	6.01244	5.23646	4.24599	5.81987	4.67765	5.155	5.03724	5.47001	3.80634	5.58559	3.66246	3.15051	4.64753

IZUMO4	5.43048	6.11888	5.62286	6.15798	5.69638	5.79256	5.89846	6.08128	5.0875	5.98749	6.60644	6.38241	6.17699	6.06906	5.81346	5.7411
Igk	3.14636	4.08875	2.79272	6.48837	4.20446	4.18599	4.06264	3.58474	4.13584	5.44206	3.52473	3.72108	2.92938	3.0362	4.31059	3.80262
JADE1	8.01323	6.58737	8.0296	7.88441	6.90726	6.97788	6.44456	6.2985	6.70376	7.7985	6.52034	6.90904	6.47672	6.43544	6.05051	6.81379
JADE2	6.00684	6.2896	6.40446	6.98515	5.51387	5.78258	6.57691	5.91931	6.75488	6.45608	6.11953	6.79359	6.23412	6.85291	6.10097	6.29719
JADE3	6.45143	7.62165	6.55911	7.46174	7.87951	7.11288	7.06373	7.30766	7.14627	7.05285	6.55067	6.76788	7.48739	7.74157	7.15975	7.0676
JAG1	6.08478	5.39763	6.10444	5.67833	5.75636	6.8537	5.95297	5.5763	6.03071	5.71084	6.10809	5.63564	6.14202	5.84429	6.67527	5.50994
JAG2	8.97054	7.90495	8.32009	7.48872	9.03229	8.44434	8.21863	8.10956	8.9973	9.26606	7.52671	9.93674	8.88559	9.03229	8.91549	8.87558
JAGN1	8.82517	8.82067	8.16838	8.79448	8.83436	7.39105	8.79299	8.13158	8.40005	8.78938	8.59366	8.27589	8.56052	8.73848	7.76045	9.53788
JAK1	5.48228	6.66271	6.32063	7.2218	6.15426	5.92878	5.40541	5.78705	6.55633	5.97368	6.3794	6.04684	5.54517	5.89679	6.53353	6.14304
JAK2	4.57356	4.86073	4.88534	4.70639	6.79971	4.61938	5.75728	4.66774	5.39197	3.92882	6.03639	3.41197	5.65765	5.88749	5.01016	6.35819
JAK3	4.12326	4.76796	4.84961	4.21387	5.17075	5.51444	4.97269	5.12489	4.92491	4.16665	5.38965	4.98419	4.85148	4.99733	5.14737	5.12697
JAKMIP1	3.16429	3.33539	5.99607	4.2996	6.14314	5.26131	4.42885	5.30554	6.79322	3.05259	7.8789	5.92467	6.41023	3.51712	5.51275	5.26796
JAKMIP2	3.9093	4.01153	4.4239	3.47883	4.4005	4.48705	4.29087	4.13607	4.92674	4.45332	5.1722	3.84298	3.46916	3.80555	4.20957	4.19177
JAKMIP2	6.14922	4.65943	5.66243	3.33739	4.68071	2.58692	2.75954	1.86949	3.38569	4.6502	4.37803	4.71106	1.41985	3.47687	4.00119	2.22886
JAKMIP3	4.14888	4.67521	3.33383	3.73945	3.42572	2.18538	3.52327	3.3596	4.55066	2.95492	3.54938	3.3015	3.28382	3.47687	2.7465	3.07505
JAM2	5.53311	6.14586	7.48326	7.53761	6.29584	7.50856	6.35777	6.7877	5.4555	7.29519	6.5166	6.69137	6.27896	6.29584	6.78488	5.23928
JAM3	5.34859	6.30273	5.69638	5.56841	5.14034	5.24722	5.74749	5.88349	5.62753	6.09165	5.69999	5.84953	5.89886	5.4639	5.9746	5.90911
JARID2	7.00437	7.88588	8.24425	7.81934	8.09933	8.10916	8.05323	8.57988	8.12039	7.35652	8.16934	8.15305	6.65043	8.24318	7.77756	6.26366
JARID2-A	1.79935	2.34474	2.11428	4.68646	2.76484	2.97137	1.03884	2.34717	1.63986	4.18447	2.80891	1.73861	1.4697	1.84505	2.34348	4.73448
JAZF1	6.80357	6.88127	5.49741	5.91749	7.45408	5.7789	6.92598	6.13739	7.02009	5.62765	7.1342	6.44702	6.0709	6.49155	6.19018	7.33274
JAZF1-A	2.44059	1.62441	2.07548	2.36312	3.68084	2.79576	2.73211	2.88789	1.32709	2.38782	2.15913	2.04143	3.80685	5.20089	2.82464	2.59102
JDP2	5.63087	6.85927	5.18461	4.80845	6.16183	5.48246	6.14674	6.45355	6.11524	4.65754	5.55428	6.05821	6.60392	5.88076	6.33989	5.89565
JHDM1D	7.9442	8.13742	7.17088	7.43728	7.05445	7.17527	7.39264	7.02785	7.49062	7.50665	7.55817	7.36583	7.75239	7.66417	7.22296	7.56356
JKAMP	9.01865	8.48593	8.55452	8.60522	8.74074	8.03931	7.99622	8.27971	8.42736	8.41119	8.56052	7.58344	8.30517	7.85153	8.37038	8.1889
JMJD1C	5.95819	6.04203	6.1809	6.14133	5.92139	6.10715	5.59319	6.19907	6.25598	6.37053	6.49673	5.33678	5.92567	5.6104	6.51112	6.34979
JMJD1C-	5.54131	5.98895	6.26517	5.48246	5.36727	5.56226	6.52664	6.70121	5.94126	6.06344	6.09555	7.30391	6.1129	6.47656	6.41092	6.15224
JMJD4	5.91445	5.00457	4.68245	3.94952	6.33563	5.67796	5.24808	5.45648	5.90328	5.05252	5.6046	6.96991	6.40021	7.14861	4.81568	6.41846
JMJD6	4.18842	4.44653	5.11563	4.25526	5.08852	4.71618	5.36312	5.11956	5.17978	4.14568	5.34309	5.4555	4.47351	5.18508	5.00186	5.09839
JMJD8	7.91831	7.43497	7.26586	7.09535	7.43858	8.17878	6.85319	7.36802	7.39133	8.27589	7.41816	7.75289	7.86869	8.05665	7.34693	7.89329
JMY	7.23189	7.51308	7.35785	7.34189	7.38684	8.12631	7.92906	7.70458	7.75205	7.41725	6.81622	7.35747	7.29117	7.56421	7.55918	6.83019
JOSD1	6.07045	6.31363	6.87369	6.08225	7.3511	6.80087	6.77986	5.37804	6.7821	6.53987	7.29228	6.85834	7.09595	7.66855	7.09987	6.79281
JOSD2	6.52805	6.67057	6.37807	4.37118	6.24827	6.62374	6.97736	6.19649	6.7186	5.48805	6.853	7.1053	7.0676	6.10593	5.9813	5.90706
JPH1	6.54781	6.43423	6.74939	6.53899	6.90589	6.86587	7.5193	7.06726	6.94003	7.12084	6.42252	6.32595	7.80077	7.34612	6.85308	7.50206
JPH2	4.21976	3.68775	4.30155	4.34346	4.18547	4.16142	3.49503	3.90646	3.70785	4.70503	4.03876	3.53745	3.04513	4.32423	3.86205	3.79556
JPH3	4.59778	3.86554	4.55379	4.05985	3.89749	4.09327	4.02075	4.081	3.85815	3.8342	4.00094	4.02201	4.31542	4.44493	3.80706	4.20503

JPX	5.16345	5.76663	5.88708	5.59384	5.70072	5.595	5.97965	6.10464	5.23193	5.67091	5.58837	5.44722	6.09071	5.68401	5.37759	5.49001
JRK	6.56402	6.48805	6.3542	6.69265	6.27917	6.43458	6.65329	6.56296	6.42092	6.50001	6.40021	6.55976	5.33359	6.84429	5.92878	6.37325
JRKL	6.65411	6.52278	6.57921	6.13804	7.07685	6.3999	6.79006	6.02858	6.55085	6.80386	6.75189	6.44039	6.16004	6.48825	6.54028	6.90134
JSRP1	4.59471	5.99244	6.26959	4.59609	4.39215	5.17093	5.09806	4.27613	5.71676	6.01673	4.44812	5.32994	5.57521	4.39545	5.07609	4.36368
JTB	10.9503	10.9797	10.8297	10.9732	10.4698	10.7357	10.509	10.3298	10.6494	11.0674	10.6426	11.6449	11.048	11.088	10.5398	11.547
JUN	6.98373	6.03567	6.90744	6.6682	6.62616	6.71402	7.4156	6.76443	7.27323	6.92148	7.00962	7.29217	6.98222	6.69348	6.91856	6.17219
JUNB	4.0831	4.15069	3.5252	4.07722	5.31676	4.4329	5.41247	3.43351	4.44708	3.47656	6.75934	3.76552	5.15588	6.44212	3.4529	4.15607
JUND	6.01839	7.0853	6.48933	6.45163	6.47506	6.48148	6.45844	6.37657	6.22032	7.19916	6.31261	6.6025	6.88319	5.71634	5.73024	5.40376
JUP	7.36657	6.49434	6.88646	7.27242	7.35747	7.43953	7.96537	5.79149	7.80586	6.77043	7.4186	6.3267	7.27362	7.81851	7.33722	6.53519
KAAG1	3.73406	5.29349	4.21177	4.71865	2.81309	3.24275	2.90726	3.86842	3.27349	3.90306	3.70318	2.95936	4.11891	4.17756	4.08763	2.88582
KAL1	6.45026	5.74722	6.33267	5.56083	5.83248	6.39865	5.90663	5.36743	6.17732	5.48981	5.62113	6.55009	5.15387	5.45744	6.78913	5.84854
KALRN	5.61473	5.46507	4.86595	4.94282	5.53761	5.30337	4.63759	5.29878	4.88224	5.3965	5.51616	5.47541	5.51296	5.28812	5.59435	5.3226
KANK1	6.52236	5.84738	5.94974	5.72249	6.01504	5.35652	5.62533	5.37368	5.68176	6.8205	5.70264	6.17476	5.5362	5.17108	5.30045	6.06845
KANK2	5.02973	5.41209	5.77804	5.12769	5.53282	5.1842	5.39491	5.49147	5.28638	5.49001	4.64174	5.13968	5.38841	5.26563	5.69946	5.47541
KANK3	6.31417	4.65943	6.4651	5.74275	5.73609	6.13923	5.59967	5.66497	6.30604	6.78707	6.16918	6.65691	6.02198	6.08763	5.77322	6.68395
KANK4	4.75238	2.79266	2.59102	2.00313	4.82932	2.15563	2.96225	3.41422	1.92414	6.99057	2.01441	2.75185	2.39587	2.68036	5.53943	2.19188
KANSL1	7.66787	7.66179	8.63631	7.98057	6.79474	8.21957	8.07801	6.95611	7.67171	7.7042	7.36361	7.86922	7.81868	6.83297	7.68633	7.25243
KANSL1·	5.90396	6.28755	5.979	6.39306	5.08873	5.9717	5.82316	3.70072	5.50191	5.58973	5.70049	6.11415	6.74597	4.42658	5.43688	5.44574
KANSL1	5.59254	5.2853	5.27601	6.03368	5.36903	5.51387	6.60847	4.89804	5.48353	5.31006	4.71531	4.79781	5.16359	5.24111	6.1024	5.63345
KANSL2	8.72726	8.76383	8.92094	8.07849	9.52199	9.14008	9.00702	9.40525	8.58309	8.28626	8.54257	9.2077	9.09448	9.4267	8.64298	8.8365
KANSL3	4.47947	4.35703	4.66845	4.58951	5.02826	5.05573	5.43359	5.20037	4.68457	4.84181	5.25519	4.47779	5.52175	4.56962	4.84861	4.55333
KARS	10.6351	10.6733	10.2283	10.1021	10.617	10.0552	9.86381	10.7267	10.5789	10.4743	10.8356	10.2725	10.6461	10.817	10.1309	10.7548
KAT2A	7.1175	6.77836	6.48515	6.42182	7.12783	7.6003	7.3761	6.79793	6.99217	6.94914	7.3161	8.4084	7.36452	7.23528	7.01967	7.3713
KAT2B	6.89352	7.08493	7.59296	7.13124	7.29496	6.67555	6.47874	7.18064	7.49325	7.65946	7.19234	6.67845	6.80371	6.91213	7.12636	6.96694
KAT5	7.63101	6.99972	6.841	6.64006	7.04364	6.54427	5.29344	5.19028	6.62448	7.50897	7.07685	7.3304	6.80664	7.51529	6.52664	6.80263
KAT6A	5.83559	5.82328	6.86345	5.91823	6.32085	6.38087	7.27759	6.56733	6.31515	5.9345	6.49455	6.08039	6.05262	6.47083	6.00736	6.36517
KAT6B	5.63629	6.09718	6.41723	6.67853	5.11271	6.28563	5.54336	6.14261	5.94835	5.77944	4.93129	6.46531	5.49837	5.55428	5.36656	5.35839
KAT7	6.85446	7.57624	7.12474	7.37649	7.76058	7.46409	6.92327	6.77145	7.34125	6.51929	6.99123	6.67635	6.99952	7.67312	7.39559	7.06996
KAT8	6.95847	6.70042	6.19634	6.73182	6.52891	6.46475	6.14599	5.8125	7.10916	7.03897	6.58543	6.88587	6.60536	6.13229	6.75115	6.51066
KATNA1	7.57366	7.36932	7.16423	7.38635	7.72936	7.30649	7.37019	7.56326	7.39513	7.19177	7.77874	7.60227	7.70439	7.52337	7.5216	7.51973
KATNAL	5.98394	5.63564	5.95408	5.9052	5.99792	5.56983	6.26231	5.95993	6.34052	6.63908	6.76123	5.30787	6.82532	5.68517	5.78092	5.30268
KATNAL	5.81147	4.3041	4.34259	4.74575	6.30311	5.50917	4.99227	5.55712	4.00025	4.68478	4.8249	5.62694	5.36743	6.17309	6.20935	6.06906
KATNB1	6.51384	5.65144	4.8294	5.19085	5.47823	4.94502	5.30537	5.43394	5.79671	5.03387	6.64108	5.52025	5.0464	5.16837	5.0084	5.19085
KATNBL	5.97118	6.19553	6.65283	5.99151	6.26698	6.66617	6.05071	5.99025	6.52082	6.55559	6.36476	5.83541	6.44926	6.0709	6.40488	6.3542
KAZALD	5.65752	5.13097	4.76177	4.29709	4.56534	4.99543	5.09122	5.21219	4.84284	5.96858	5.00797	5.32375	5.11218	5.37368	3.90594	5.30756

KAZN	7.32857	6.24364	6.11559	6.97815	6.22981	6.54598	6.49013	5.80924	6.27134	6.42617	6.22849	6.14001	6.26194	6.6495	6.46228	6.7674
KB-1000I	1.64611	0.89181	4.54463	2.1445	2.89774	3.28947	2.83966	2.04007	1.39887	2.31329	2.30098	2.59016	3.58948	2.62575	2.39175	2.38828
KB-1410(	1.74742	2.21392	2.74259	2.88071	2.73769	2.99117	2.3531	3.6374	3.17124	3.15532	1.98377	2.75185	2.5663	3.26302	1.61881	2.86424
KB-1568I	2.77283	2.01809	1.64561	3.8281	4.25669	4.50567	3.61825	3.67908	3.48123	3.47656	2.93839	2.55562	4.80326	1.36152	5.00761	3.27231
KB-1836I	7.01477	6.49942	6.51863	4.87633	6.6185	5.51903	5.33752	6.96157	5.7874	6.96411	6.13088	3.9057	5.8273	6.13502	5.28699	6.15381
KB-431C	7.5049	7.51793	7.03653	7.40123	7.04795	7.1648	7.47714	7.27922	5.69851	6.8911	6.47995	6.66575	6.51824	7.1968	6.64557	8.23129
KB-431C	3.52524	5.46243	6.32843	6.24231	5.22539	5.48731	5.49899	5.68373	6.13377	6.70182	5.39144	6.01971	5.69754	5.65251	5.32857	5.69955
KBTBD1	3.44273	6.33362	5.52828	5.5987	4.74792	3.5373	3.29192	3.58474	3.35168	4.37418	5.80159	5.13371	3.47767	3.55944	4.83434	2.81134
KBTBD1	6.2804	6.8537	6.69284	7.18064	6.36055	6.75064	7.25041	6.40125	6.87275	6.97003	6.72182	6.68208	7.23978	7.03226	6.55846	7.03494
KBTBD2	6.14304	6.98629	6.80863	6.70561	7.16146	7.45844	7.08446	6.44753	6.26392	6.41274	7.26259	5.89353	6.36922	7.03686	6.28311	6.36353
KBTBD3	6.61138	7.06652	6.97373	7.49265	6.87418	6.26758	6.54188	6.14982	5.84439	6.85143	6.21818	6.57201	7.08625	4.81617	6.60061	6.66751
KBTBD4	4.47486	5.4816	5.34036	5.1842	4.61339	4.64127	5.28471	4.9034	4.80306	4.78582	5.04257	5.35546	5.02068	4.96002	4.54368	4.07659
KBTBD6	7.06144	6.60293	6.7821	6.87351	7.18028	6.45561	7.04341	6.19263	6.12925	6.94306	6.29011	5.69427	5.21762	7.00304	7.12714	7.7022
KBTBD7	6.24346	6.51344	6.75996	6.68097	6.96496	6.93323	6.97548	6.22135	6.17811	7.05247	6.13152	5.77447	5.86299	5.8727	6.93962	6.49105
KBTBD8	6.841	7.86725	8.07212	8.38415	7.81773	7.50258	5.86472	7.05217	7.30355	6.83126	8.18359	7.29816	6.80553	4.58936	7.0855	6.88982
KCMF1	6.97525	6.71275	6.92754	6.9368	7.40382	6.8071	8.85744	6.89693	7.00737	7.1777	6.79541	6.99012	6.79971	6.98952	7.68484	7.16285
KCNA1	4.58428	3.5519	3.18721	3.63964	2.95261	3.82899	2.88015	3.34835	4.7864	3.0463	3.63714	4.8875	4.1611	3.74247	3.57447	4.38038
KCNA10	4.84742	4.45111	4.15015	4.53637	4.14888	5.39469	3.31153	5.03455	5.72358	4.27479	5.82316	5.62801	4.80326	4.77727	4.60609	5.32922
KCNA2	4.19503	4.90609	5.05748	5.56444	5.96227	6.09003	7.01721	4.77515	5.10681	4.66687	3.6493	5.56628	4.68985	5.82933	4.83092	4.0197
KCNA3	3.57397	3.73984	5.14525	5.9082	3.91616	3.67619	3.49217	4.54565	3.86642	4.63184	4.54707	4.03129	3.9262	3.42962	3.78253	3.73803
KCNA4	4.36572	5.47836	4.56634	4.88519	4.06784	4.03667	3.84674	3.56906	4.34561	3.73393	4.15843	4.2698	4.19674	4.30792	4.03892	4.32063
KCNA5	4.29421	3.99153	6.26672	5.17832	4.21924	6.70681	4.09381	7.69763	4.55668	6.34241	4.80248	6.26498	4.61995	4.14195	5.35772	6.37561
KCNA6	5.37837	6.50148	6.81231	6.1373	6.62571	6.96782	7.03098	6.96357	6.75086	6.85982	6.56249	5.06679	6.60987	6.91735	6.34106	6.20038
KCNA7	4.11983	3.66604	3.33383	2.97356	3.9057	3.17101	3.18384	2.95859	2.97568	3.47656	3.6149	3.12959	3.10377	4.00373	3.06557	3.27231
KCNAB1	3.62864	3.97	4.36722	3.59806	3.49407	3.99461	3.78872	3.98985	3.47527	4.81157	3.82238	3.52473	3.4133	3.85542	3.92882	3.98066
KCNAB2	3.17102	4.82924	4.06555	3.74573	4.72831	4.70335	4.37886	5.05935	5.05043	3.64514	5.24225	4.93129	5.07126	3.9791	4.50587	3.79013
KCNAB3	4.05217	3.12278	6.16281	3.41062	4.01874	5.55264	5.75211	4.91489	4.68603	4.83052	4.62733	5.10586	5.17427	5.38794	5.43322	3.10689
KCNB1	6.06992	5.06404	5.21961	4.98058	5.14791	5.29804	5.63311	5.76118	5.11956	6.01577	4.64564	4.85572	5.80335	4.60972	5.56005	5.049
KCNB2	4.34433	5.5809	4.7443	5.78029	5.84548	5.45895	6.7287	5.62987	5.02586	4.07529	5.32537	6.01907	5.90098	6.62173	5.90235	6.19295
KCNC1	3.92354	4.16568	4.29444	2.49556	3.51576	3.35467	4.37481	3.36509	3.57604	3.22144	4.18653	2.95045	3.78126	3.11999	2.87641	3.89091
KCNC2	2.25906	3.25291	4.25827	3.74733	2.95886	3.61218	4.27968	3.52683	3.65968	3.08274	2.82958	3.78698	3.45602	4.63503	4.07826	3.56937
KCNC3	4.71759	4.33153	4.97556	4.37334	4.42363	4.23345	4.59565	4.91247	4.66023	4.81141	5.08048	4.18588	4.16395	4.79407	4.43432	5.15758
KCNC4	5.98219	5.61304	5.74393	5.40444	5.76939	6.12544	5.84879	6.80289	5.68816	6.07244	5.59687	6.1326	5.55712	6.10144	5.8182	6.59933
KCND1	4.45919	4.78923	5.10329	3.56531	4.28892	6.02988	6.18041	4.88503	5.24379	2.93344	5.13024	6.09694	5.46165	5.9868	6.26213	2.76844
KCND2	4.0622	5.73502	2.3147	4.85873	3.57987	4.19473	5.73534	4.63015	3.6241	3.91319	4.33776	4.66059	3.64142	3.86642	5.81289	5.23003

KCND3	4.67628	4.4881	4.79885	4.02634	4.60892	4.62196	5.07446	4.44564	4.39545	4.85891	4.51245	4.71918	3.69409	5.62634	4.58852	4.43996
KCNE1	6.97927	6.17008	3.47381	6.95299	3.93337	4.8249	3.71004	3.73033	5.73121	3.4402	3.19212	4.48738	3.95509	3.06525	3.87665	3.26844
KCNE1L	3.75698	4.26036	2.25072	4.74107	3.62835	3.32048	2.47678	2.37778	2.50218	2.04282	2.8192	4.22754	3.12086	3.12884	3.72694	4.5359
KCNE2	3.52524	3.31135	3.95827	4.00732	2.79083	4.83368	3.29192	4.26669	3.92436	4.46917	3.60024	3.3733	3.93646	3.90216	4.27526	3.37025
KCNE3	5.48353	5.83474	5.65354	4.90633	4.59565	5.10586	4.07985	4.59043	4.87555	5.34654	4.99307	4.79121	5.56103	4.74354	4.33928	4.07683
KCNE4	4.17392	3.96094	4.56005	4.08055	3.46064	4.97169	3.60803	4.0183	4.07326	4.7864	4.2019	4.66701	4.84645	3.94226	3.07358	4.69357
KCNF1	6.0179	6.42916	6.48633	6.76925	5.28342	6.62843	6.22158	5.93603	6.01991	6.77235	5.83698	6.25576	6.11583	5.99767	6.07137	6.41639
KCNG1	3.15266	4.7723	3.44049	4.33657	4.43729	4.60388	4.74411	2.94657	3.85675	4.49501	4.21672	4.49656	4.98681	5.06647	3.11416	3.47019
KCNG2	1.50761	2.46272	2.33881	1.3754	2.02496	1.85868	1.18021	1.44837	1.32709	1.5458	1.41342	1.44837	0.93298	1.72157	1.88334	1.58847
KCNG3	3.60594	3.64264	2.86866	3.46198	3.40444	2.00958	3.81207	2.32134	2.79701	2.65281	2.81246	2.82162	3.19002	3.11375	2.97258	3.0951
KCNG4	5.14061	5.51248	6.21634	5.45803	4.648	5.96127	5.75211	6.32627	6.27896	6.23931	6.30364	5.79694	6.58666	6.21645	6.5702	6.14635
KCNH1	3.52524	1.54402	3.60422	1.67907	2.55772	1.59197	1.49083	2.64349	3.45216	1.92074	3.111	1.54854	1.7762	1.4899	1.81049	5.52883
KCNH2	3.86666	5.01078	4.98443	5.82012	3.86359	4.77009	5.88049	4.48131	4.08829	4.70674	4.21547	4.75137	4.08018	5.74912	5.10335	6.1826
KCNH3	4.82631	4.29087	3.82769	4.18478	4.41516	3.5373	4.24394	5.20645	4.96412	4.67521	4.40218	4.78297	4.42745	4.62104	4.19275	3.08868
KCNH4	3.44273	3.32466	3.28947	1.33008	2.94105	3.50802	3.53968	3.43351	3.33041	3.42914	3.94748	3.56237	2.49591	4.3596	3.39726	3.80861
KCNH5	4.52793	5.76588	5.01511	5.67169	4.35788	4.86934	4.50367	5.83989	4.51778	5.12426	4.95776	4.53835	5.54505	4.6016	5.21413	4.98524
KCNH6	5.09073	4.00429	5.22972	4.62263	4.91332	5.44224	4.8875	5.80973	4.89233	5.10724	4.65737	5.36112	4.56757	4.76177	5.06279	3.78013
KCNH7	4.85572	5.58872	5.22723	5.7174	5.72735	5.47752	5.66258	5.44837	5.2845	5.02623	5.27193	5.51727	5.57221	5.53443	5.38643	5.11031
KCNH8	5.74926	6.10444	6.30382	5.82803	6.55559	5.76151	5.72875	5.66497	5.57038	6.80343	5.06187	5.52528	5.55596	5.17427	5.6169	5.68746
KCNIP1	6.60644	5.78864	6.37318	6.28914	5.879	5.71671	4.72349	7.10256	6.01991	6.13152	5.37249	6.47077	6.54092	3.91524	6.27566	3.82879
KCNIP2	4.14331	3.9568	4.40651	4.25396	4.63911	4.63899	4.542	4.08223	4.18478	4.69958	4.61686	4.36824	4.47514	4.38261	4.26138	4.12376
KCNIP2-.	5.14857	6.42037	6.50914	7.24687	6.74406	6.82022	7.00694	7.64541	7.09069	6.78304	6.52729	6.98725	6.4138	6.6512	6.51189	6.78628
KCNIP3	3.91479	4.6561	4.73212	4.71122	4.37968	4.80207	4.28169	4.02634	4.66919	4.56226	4.18547	4.71459	4.06156	4.37434	4.69014	4.19503
KCNIP4	3.76552	3.8455	3.71177	3.04964	3.57397	3.09072	4.22596	3.69873	4.00874	4.42805	2.58746	3.56896	4.14429	4.19766	3.53502	4.21854
KCNJ1	3.57654	4.06784	2.93032	2.29847	3.62493	2.29255	4.88534	2.41659	3.01248	2.67996	4.0977	2.76036	3.53909	4.49714	2.73769	4.13561
KCNJ10	3.51881	4.06116	5.92734	3.99122	5.11814	5.89483	3.7385	5.91594	6.52919	4.21547	6.44554	4.28209	3.72049	3.96826	3.91616	4.96044
KCNJ11	2.91334	3.97873	4.58744	3.57686	3.71929	3.49365	3.47278	3.53745	4.03549	3.72029	3.30436	3.55262	3.17825	3.29459	2.94685	5.12463
KCNJ13	3.61918	4.69181	4.65655	4.91054	3.66282	4.36875	4.60659	4.87633	5.70764	5.4792	3.32081	4.2959	5.91869	4.05898	3.62864	4.4821
KCNJ14	5.05013	5.48072	5.39533	5.67285	5.07679	4.99197	5.14257	5.1616	6.5216	4.5207	5.58425	6.27203	6.6127	6.11483	5.291	4.50264
KCNJ15	6.25061	6.36616	5.93259	6.26517	5.6892	6.32189	5.26764	5.2505	5.20662	5.34161	5.71218	5.42482	5.72269	4.75996	5.68304	5.6836
KCNJ16	5.19903	5.22179	5.78732	5.33002	5.65243	5.20742	5.47803	6.04851	5.03092	5.85888	4.60294	5.59067	5.85911	5.54917	5.51128	5.21834
KCNJ2	8.94204	8.48222	8.67987	8.84532	7.93896	8.30225	7.92881	8.15863	8.20702	7.5049	9.7449	8.31327	8.68396	7.3737	8.37894	8.38415
KCNJ2-A	2.08404	2.01809	2.46272	1.85049	3.75099	2.24655	2.0296	1.99703	1.87545	1.59139	1.7041	4.31399	1.97096	2.65463	1.85273	2.22886
KCNJ3	4.34754	4.56572	4.64669	4.54726	4.02106	4.1603	4.48458	3.07493	3.10545	4.78238	3.97544	3.64596	4.42289	4.08647	4.86016	4.59029
KCNJ4	3.58197	2.66394	3.81591	2.93063	3.51754	3.87968	2.80064	2.22591	3.30112	3.79654	2.35117	2.95014	3.53745	3.3579	2.68324	2.02586

KCNJ5	4.19082	4.07101	4.05092	4.31641	4.74559	4.89182	4.55822	5.14236	5.42209	4.16478	5.18175	5.19791	4.68824	4.00676	5.01818	4.49797
KCNJ6	4.28209	5.09328	3.7942	4.84997	3.67756	3.47956	3.93173	4.06531	4.49898	4.22771	3.0606	3.77762	4.08687	4.05802	3.31615	3.30564
KCNJ8	4.16003	4.59228	5.6426	4.10024	4.09222	4.71816	4.0687	4.46592	3.93004	3.80054	4.26456	5.33697	3.72982	4.46777	5.23799	4.16172
KCNJ9	2.50987	3.18584	2.45536	2.74868	3.40139	2.34945	3.79618	2.54096	3.49121	2.32747	3.44194	3.0951	2.47807	2.98648	3.20866	2.73963
KCNK1	4.79283	4.89326	4.52039	4.13125	4.95106	4.68191	4.45614	3.89015	4.90154	4.86562	4.44111	4.2359	3.29168	4.33027	3.73075	4.89629
KCNK10	4.55658	4.17338	4.21355	4.37359	4.6316	4.26088	4.68985	4.30457	4.5022	4.53029	3.73212	4.28228	4.62341	4.51377	4.48842	3.32397
KCNK12	3.50034	3.00618	1.68451	1.89139	1.69898	3.15165	2.45415	1.83717	3.00175	4.70305	3.80883	5.15888	3.34323	3.0362	2.39175	2.67577
KCNK13	3.06503	4.02672	3.28947	2.92162	3.61465	3.20546	3.2194	3.08616	3.63964	5.37008	3.23213	2.97562	4.70836	4.56553	2.881	3.94585
KCNK15	2.62266	2.98563	3.28382	4.05144	2.00164	2.29793	2.87864	3.57764	3.61365	3.40601	3.07518	2.59854	3.03103	3.0257	2.28494	3.79752
KCNK16	4.12999	3.4933	4.56634	3.90548	3.64173	4.51187	2.53476	5.57879	5.67537	5.75038	4.73192	4.48087	4.08241	4.55761	4.45949	3.41778
KCNK17	5.99641	6.00736	6.17343	5.64455	6.03933	6.23796	5.83954	6.17833	5.97794	6.51189	5.96155	6.48785	5.87302	6.07813	5.97378	5.56494
KCNK2	2.40819	3.57431	3.24205	4.97034	3.33875	3.55971	2.83966	4.68363	3.33041	3.93408	2.75175	3.99007	4.87351	2.51368	5.13836	3.63765
KCNK3	5.48482	4.81196	5.01151	4.78836	5.30191	4.56077	4.68137	5.39594	4.48301	4.63389	4.48157	5.45483	5.38177	5.01451	5.26645	5.71111
KCNK4	2.91334	3.45279	3.53502	5.04627	3.29261	3.391	3.00912	2.78286	3.29007	3.82085	3.49378	2.71947	2.59488	3.42962	3.20278	3.61186
KCNK5	7.15338	7.54447	7.54351	7.14173	7.42821	6.75819	7.40401	7.7897	7.61729	8.75014	7.59921	6.27029	6.21022	7.12832	7.00261	7.47017
KCNK6	5.71671	6.36554	7.3591	6.55019	6.04735	5.42686	6.33327	6.81728	6.81286	6.90589	7.06996	6.93089	6.06561	4.57214	6.31746	3.16144
KCNK7	3.08987	3.10351	2.89864	2.79035	2.52205	2.84291	5.29199	2.85145	2.81829	2.6153	3.86957	2.72514	3.11051	3.81591	2.80802	2.72514
KCNK9	4.65837	3.78483	3.62918	3.13202	4.10208	3.38168	4.17338	4.38855	4.72736	2.96518	4.18267	4.34574	3.95924	3.32016	4.65418	3.89133
KCNMA1	4.70017	5.55891	5.43505	6.00397	5.46829	5.75038	5.58246	6.09501	5.39366	6.68352	5.52496	5.98462	5.8566	5.94177	5.60742	5.23942
KCNMB1	5.77513	4.63475	5.05621	5.69433	5.02259	5.11194	5.75684	5.43134	6.06505	6.04396	5.12281	5.33781	4.59407	5.75171	5.33971	6.23462
KCNMB2	7.3425	5.44685	4.91034	5.97509	4.70503	4.53119	5.26342	5.1713	4.71618	5.40703	5.07775	4.74319	3.86406	3.23662	4.89975	4.70305
KCNMB3	3.73406	3.81549	4.34691	3.60342	3.80647	4.53909	6.51033	4.26669	3.69577	3.60777	3.79556	3.75239	3.49323	3.71992	3.66756	3.7297
KCNMB4	5.71084	5.63274	5.61241	6.03354	7.18175	6.25012	5.64485	4.14261	4.68137	6.16082	6.03942	6.14261	8.48891	4.74249	6.92074	5.12521
KCNN1	4.16384	5.66816	5.1832	4.7744	5.21916	5.81617	5.67127	4.87944	4.84059	5.44206	4.50609	3.96659	5.38375	5.49726	6.04278	4.46917
KCNN2	2.61145	2.69344	3.32481	1.55195	4.71898	3.13279	5.0499	3.50531	4.46077	2.72148	4.5385	3.19844	4.97252	1.5436	6.48735	4.73841
KCNN3	3.54347	3.41904	4.52011	4.17905	3.51881	4.06977	4.64889	3.69005	3.2679	4.09292	3.27496	3.81207	3.3365	3.8513	4.0649	3.36123
KCNN4	8.27429	8.11421	7.33205	7.32634	7.03798	7.3728	6.51815	7.51388	7.42441	10.1813	7.6652	8.04588	7.54885	7.01235	7.18404	7.65268
KCNQ1	6.02552	5.9966	5.49125	5.85911	5.62722	5.43789	6.08299	5.03633	5.50359	5.71558	5.51058	5.83143	6.13088	5.29702	5.51577	5.48482
KCNQ1-A	5.74926	5.75797	5.34576	5.66468	5.57527	5.78878	5.65267	6.07103	5.4508	5.15403	5.28977	5.8148	6.74113	6.24247	5.57862	6.02667
KCNQ1D	4.4643	5.84226	6.27377	4.22106	4.50197	4.62473	4.61163	4.50182	4.15582	5.13703	4.49934	5.75568	4.27078	4.72987	4.4329	5.76162
KCNQ2	4.13219	2.85497	3.70463	3.72561	3.07861	3.12819	2.87369	3.83593	3.21887	4.31594	3.54347	3.06175	3.82745	3.53857	3.83495	3.39966
KCNQ3	5.34775	4.98208	5.75768	5.16578	5.36981	5.40101	6.86811	7.29046	5.14127	5.11687	5.46277	5.80008	5.43322	6.21679	5.96269	5.91983
KCNQ4	5.94931	5.15281	5.73566	5.64784	5.25377	5.83635	5.7941	5.84548	5.31858	6.53281	6.03826	5.88563	4.32453	5.38915	5.40477	6.28229
KCNQ5	3.38468	5.27501	2.85867	4.64564	3.81207	4.12115	4.98706	3.54065	3.16274	3.92537	4.97312	4.00961	4.01654	4.71261	3.3365	2.75925
KCNRG	9.20103	7.65071	4.01912	7.91573	5.32934	2.99117	1.85693	3.3596	3.31034	3.05259	5.27788	3.36359	3.50584	4.95231	4.79462	5.05688

KCNS1	4.84742	5.00579	4.5951	5.01314	3.30882	5.11016	5.17316	5.41101	4.89893	5.5803	5.06187	5.6566	5.51045	4.85467	5.1212	4.86726
KCNS2	4.29893	5.50521	5.19512	4.74631	5.29857	5.41438	5.42546	4.17769	5.22028	4.93559	4.75137	5.18334	4.49501	6.04438	5.5545	4.49934
KCNS3	8.00126	8.25549	7.65498	7.27478	7.0367	9.80765	9.73529	7.94855	9.72915	9.07714	7.66901	9.18613	9.06963	7.70384	9.84358	6.16473
KCNT1	5.37333	5.28385	5.31934	4.94638	4.87189	5.39197	5.2591	5.16763	4.86961	5.14398	5.39264	4.77693	4.78612	5.1853	5.02373	5.00891
KCNT2	4.7908	2.97095	5.41755	4.20237	4.22194	4.5349	3.85196	5.33329	4.64145	5.14737	4.21402	5.06794	3.94495	2.73293	4.35946	3.70847
KCNU1	3.20944	5.57693	5.24515	4.97617	5.32934	6.01899	3.2194	5.40572	4.34561	5.90474	5.04116	5.61268	5.66827	5.29621	5.25341	5.72006
KCNV1	2.54725	4.54756	3.94849	4.27051	1.82475	4.14617	1.93025	3.76737	3.05822	3.09991	3.29908	2.11601	2.72294	3.16073	3.60751	2.85867
KCNV2	5.22546	5.47492	4.04694	4.89377	3.12473	4.36427	3.45602	4.7289	4.44708	4.28394	5.32805	5.46197	4.37787	5.03633	4.7616	4.95783
KCP	5.95144	5.65192	5.809	5.15076	5.3128	5.54137	5.87195	6.02788	5.46878	5.63752	5.14762	5.45029	5.51152	5.39339	5.438	5.64632
KCTD1	6.66101	6.88989	6.76788	6.49883	6.32734	6.58582	6.89099	6.47632	6.07064	6.7821	6.09034	6.60609	7.19839	6.4906	6.65267	7.2857
KCTD10	8.42381	9.00017	8.69101	8.45057	8.55383	8.74983	8.87897	8.83547	8.91007	9.18298	8.86638	8.85906	8.33735	8.67002	9.03623	8.27589
KCTD11	7.46816	7.50028	7.03443	8.02241	6.35878	6.88208	7.38282	5.79356	6.46615	6.74418	6.9262	7.57402	6.97084	8.06128	6.9139	5.12463
KCTD12	8.58812	7.93633	9.28266	9.49763	6.88943	7.91877	7.81409	7.29852	8.28007	8.3822	8.92733	7.16687	8.04288	7.73179	8.22781	7.84768
KCTD13	3.78217	4.24944	4.73561	4.04041	4.93774	5.92277	4.83036	6.14099	5.95874	5.10115	4.51148	4.33795	5.67544	4.50409	4.88224	3.66785
KCTD15	5.2845	5.0999	4.96603	4.47351	5.29458	5.10092	4.83383	5.08387	4.86304	5.14307	5.25218	5.10961	4.52167	5.5837	4.5207	5.44143
KCTD16	3.5199	4.59673	3.93872	3.68688	4.96224	3.48474	4.47382	4.93968	2.51876	3.77565	4.34316	3.75986	3.49599	4.64112	5.18074	4.02718
KCTD17	6.4158	6.62601	6.55209	5.86136	5.94581	6.35718	6.25598	6.3351	6.43834	6.63394	6.66367	6.7918	6.5278	6.37535	6.05447	6.3762
KCTD18	6.91031	7.33702	6.91191	6.8096	6.65309	6.58303	6.60392	6.07898	6.0071	7.19551	6.3443	6.56076	5.77492	6.27962	6.55559	6.99272
KCTD19	5.55384	3.09358	4.11056	2.58828	3.45301	3.601	3.94849	3.97032	4.44708	5.69188	5.19754	3.15604	4.46842	3.82972	3.29289	3.26138
KCTD2	7.23499	7.26448	7.10583	7.24572	6.95754	7.07869	6.73147	7.35884	6.984	7.28627	7.08897	7.30569	6.57373	7.20402	7.06551	7.04151
KCTD20	6.7918	6.27471	7.03381	6.91137	6.66059	6.91249	7.11849	6.57748	7.26483	7.13535	7.40625	7.42749	7.23877	7.0981	6.94188	7.25884
KCTD21	5.2904	5.34983	4.87214	4.34058	3.9057	6.38904	4.45365	5.90655	3.2065	6.37105	5.70221	4.77116	5.15588	4.02841	3.94704	4.00732
KCTD3	5.96988	6.63674	6.22844	5.40179	8.15026	6.62257	7.01967	5.04974	6.83535	7.10988	6.67287	6.00261	7.33133	6.93547	7.79105	7.47821
KCTD4	2.59723	4.03129	4.07376	5.30292	4.07228	3.67007	3.91094	4.74768	3.29636	5.24763	2.81292	3.27215	4.13561	3.5244	3.56237	3.20866
KCTD5	6.45428	6.38874	6.14957	6.2401	5.77371	5.81858	6.42972	6.64591	6.19217	6.58382	7.13821	5.87972	6.63574	7.03819	5.99151	6.45523
KCTD6	6.37737	6.27938	6.69406	5.75151	6.17461	6.16627	5.94805	6.33105	6.3204	6.99541	6.62824	6.04592	6.16508	4.85621	6.2787	6.17623
KCTD9	7.73876	7.7737	7.87786	7.94402	7.70144	7.97727	8.45605	8.13008	7.76946	8.35355	8.03276	7.14932	7.59679	7.45093	7.20295	7.60818
KDELC1	5.02649	5.51248	6.56664	3.5907	4.48291	5.595	4.8582	6.57849	5.8258	5.5278	6.63051	4.25098	4.96673	3.77151	6.09652	7.0905
KDELC2	8.8522	8.23129	8.41942	8.09287	8.73084	7.57366	7.60248	7.71993	7.54102	8.32872	7.91809	7.62734	8.36416	7.8321	8.75379	8.58419
KDELR1	8.07142	7.48453	7.57423	6.71275	7.10409	7.72919	7.1301	7.75735	7.68134	8.10225	7.31992	7.69585	8.2181	6.98274	7.50356	7.34693
KDELR2	9.60844	9.58421	10.2145	9.33845	9.57938	9.46237	9.29696	9.56208	9.31854	10.2667	9.39515	9.55087	9.37098	9.3797	9.4722	9.91148
KDELR3	6.94991	7.23313	7.17565	6.19092	7.00217	7.12179	6.55586	6.57712	5.80698	8.37038	5.86411	7.3786	5.63228	6.62295	7.11075	5.90129
KDF1	6.10768	4.13607	3.84282	3.24321	5.7079	5.09342	5.43281	4.71588	4.46077	4.10188	3.75879	3.66815	6.08394	6.10303	3.38625	4.21547
KDM1A	7.60012	7.4913	7.35274	7.54204	8.154	7.21438	7.7023	6.36903	7.15085	7.25259	7.51679	6.92086	7.6003	8.32958	7.82093	8.32702
KDM1B	5.25231	4.62463	3.46371	4.12051	4.91834	5.43394	5.15403	5.07665	5.22179	5.19838	4.91529	3.9257	5.16886	5.03438	5.61224	5.26698

KDM2A	7.92449	7.6386	8.57084	8.32269	8.07239	8.35767	8.01968	7.74792	7.89872	7.93484	8.24826	8.40382	7.73468	8.26876	8.23881	7.96606
KDM2B	8.50585	8.72194	8.98978	8.75379	9.71435	7.88472	8.2922	8.3131	8.45791	8.66491	8.42505	8.67187	8.42856	8.60131	9.34827	9.0707
KDM3A	5.07841	5.0271	4.62263	4.88265	5.32165	4.57214	4.81824	4.18179	4.41182	4.74392	4.56703	3.67604	4.96394	4.54628	4.75618	4.91481
KDM3B	7.97022	7.40722	7.06893	7.22466	7.47527	7.31853	7.25444	7.33814	7.45198	7.08717	7.2857	7.30035	6.94086	7.32857	7.80726	7.89777
KDM4A	7.34115	7.42589	7.45059	7.47527	7.07599	7.70063	7.94585	7.66727	7.74898	7.37382	6.99839	7.6702	7.63463	7.7273	7.55633	7.363
KDM4B	5.44505	5.8846	5.96765	6.03728	5.29633	6.22269	5.54631	5.29621	5.84953	5.52538	6.04941	6.21697	5.6056	5.10888	4.96187	5.21413
KDM4C	6.39759	6.59148	6.71047	6.33704	5.4871	6.05165	5.1641	4.7474	5.23321	5.26248	6.30501	6.1073	4.99603	4.89829	5.42319	5.69615
KDM4D	4.93804	4.19903	4.383	4.40873	4.10904	4.13045	4.15773	4.79562	4.30829	4.30752	3.0432	3.95889	3.70785	4.47194	4.28816	4.47779
KDM5A	6.028	5.86024	6.404	6.19375	7.04694	6.54354	6.15224	6.19295	6.56076	6.00176	6.02133	5.83635	5.92433	6.24882	6.45207	6.02949
KDM5B	6.6178	6.07787	6.70913	5.79242	6.91292	6.12115	6.24509	7.12234	6.56491	6.62536	6.25108	6.02159	7.20682	6.54574	7.02396	7.33114
KDM5C	6.57921	6.04438	6.4995	6.66563	6.51189	6.73246	7.11405	6.76829	6.78294	6.52849	6.53064	6.78753	7.059	6.39759	7.06434	6.6174
KDM5D	7.60767	8.049	8.57525	5.99359	8.54398	8.1398	6.58391	8.00403	8.29871	8.29514	7.4983	8.8528	3.77256	7.52624	7.91692	7.2954
KDM6A	5.22492	4.29893	5.28927	5.6488	6.09718	5.2126	5.45626	3.76927	5.16289	4.96449	5.08103	4.20556	5.18115	4.54726	5.45006	6.05337
KDM6B	5.66719	5.93911	5.97591	6.52407	5.73492	6.53713	6.16037	6.60657	5.76729	5.77051	6.05111	6.25659	6.71896	6.23007	5.86958	5.88796
KDM7A	6.84972	7.55386	6.84633	7.60433	7.24927	7.15117	7.04364	7.72862	7.33495	7.00568	7.71156	7.01044	7.2883	7.3013	7.61518	6.63499
KDM8	5.15859	5.09309	5.65342	5.07278	5.05688	5.29857	5.40993	4.89773	4.33068	5.16763	4.9039	4.97435	5.36112	4.83215	5.11141	5.12161
KDR	7.30569	7.47865	7.94351	7.16525	6.37502	7.6407	6.57036	7.87861	6.32705	7.29473	6.94385	6.17585	7.3511	6.30532	7.28998	6.05071
KDSR	6.96694	6.02933	6.26621	6.88541	7.32914	6.68251	7.50356	5.68283	7.03205	7.17667	6.79309	5.84978	5.77019	7.08717	7.27718	6.74779
KEAP1	9.12606	8.8522	8.92195	8.52243	9.29827	9.04721	9.12237	7.71733	8.2233	9.10246	9.30766	9.7224	8.36051	9.57255	8.92473	9.32624
KEL	2.70064	4.1932	5.26993	3.79536	6.11232	5.61194	7.25662	6.23787	7.00137	2.04282	2.56627	4.0069	6.07029	8.4612	8.32612	8.3215
KERA	2.08404	5.28694	3.42172	5.74275	6.26577	5.80912	3.71929	5.85352	4.24079	5.35295	2.77081	2.509	4.95044	5.79613	5.92467	6.44198
KGFLP2	5.48692	4.92917	6.16152	6.04278	5.25573	5.91983	4.38384	4.8294	4.60738	7.01444	4.12946	5.27702	2.54194	3.34999	4.3989	4.06288
KHDC1	2.75185	4.49731	2.55526	3.51493	5.31915	3.8966	6.24943	2.49961	4.58372	2.2766	2.86424	5.41625	4.01206	5.75672	5.59598	4.44959
KHDC1L	3.68019	4.06571	3.27793	3.04143	2.97095	3.66504	3.45602	3.86842	3.11326	2.93344	3.111	2.15748	3.10377	3.75913	2.76084	2.76844
KHDC3L	1.92303	0.69487	2.59102	0.78709	1.00765	2.45459	1.85693	2.04007	1.1038	0.47227	0.62135	2.04143	1.41985	2.37224	1.55502	2.12859
KHDRBS	8.47386	8.6025	8.73732	8.5267	8.57166	8.19842	8.77123	7.86759	8.56536	7.93728	8.41642	8.32985	9.14549	8.75665	8.76971	8.74907
KHDRBS	6.79252	6.16655	7.09489	6.64794	6.16047	6.60829	6.74124	5.99145	5.97427	6.56332	6.48568	6.45207	6.66317	6.70872	5.97678	6.55905
KHDRBS	5.61894	5.37506	5.78886	5.80309	7.11639	6.03826	5.9165	5.38679	3.58903	5.97352	4.93594	5.61119	4.70049	7.77899	4.83635	5.8975
KHK	4.30829	4.73561	4.80845	4.67307	4.34511	4.58299	5.04544	4.7581	4.85376	4.87602	4.82056	5.5234	4.45019	5.01217	4.40483	5.41177
KHNYN	8.4102	8.50291	8.40792	8.45232	9.2077	8.67368	8.27662	8.89283	8.82383	8.34076	8.13873	8.7731	8.41149	8.3215	8.4587	8.04476
KHSRP	5.6952	5.66879	5.93821	5.56185	5.68623	6.16058	6.64896	6.38544	6.3778	5.4251	6.33563	7.2316	6.69878	6.52407	6.13336	5.99489
KIAA002	7.18007	6.71031	6.49439	6.83992	7.52519	6.97362	7.05497	7.34719	6.88759	6.71047	7.24192	6.55046	6.98119	7.2916	6.58914	7.68357
KIAA004	6.89428	7.51567	7.05445	7.69972	7.08361	6.33563	7.11055	8.49992	7.1968	5.78351	6.88943	6.56956	6.28381	7.0263	7.26915	6.83775
KIAA008	4.89951	4.63759	4.60832	4.51886	3.88843	3.13279	4.18377	2.55884	4.5431	4.87162	4.30729	4.40501	2.94778	4.09275	2.45708	3.84496
KIAA010	4.51099	5.32945	4.96263	5.72448	5.20037	4.89893	5.92139	4.62626	6.37883	5.02266	4.80436	4.81967	4.73297	4.76987	5.00035	6.61895

KIAA010	8.3093	9.51684	9.34547	8.85744	9.39668	9.40525	9.87278	9.93225	9.37829	7.83558	9.7059	9.71731	9.84358	9.57128	9.54637	10.0051
KIAA012	6.87399	8.70602	9.2812	8.07186	6.99169	7.20528	6.4651	7.50356	7.92528	7.35509	5.92913	8.16792	5.72477	6.9595	7.64286	6.37043
KIAA014	5.809	6.74845	6.55009	6.20565	6.46966	7.06583	7.15413	7.02009	6.60677	6.44164	6.63216	7.05787	6.7396	6.64604	6.687	6.40841
KIAA019	8.82696	8.217	8.58624	8.23953	8.82067	8.65925	9.07607	8.39244	8.51853	8.23591	8.31053	7.6055	7.48493	8.88814	9.35144	8.58514
KIAA022	5.7276	6.70289	6.32694	6.54152	6.54628	6.2395	6.48757	7.11663	6.44616	6.71622	6.36684	6.50348	6.10197	6.118	6.36903	6.50024
KIAA022	7.23475	8.66724	8.52989	9.00505	8.45546	8.69613	7.11602	8.75835	8.30243	7.55303	8.37142	8.70235	7.55068	6.56131	7.84908	8.69194
KIAA023	8.6144	7.91273	8.03741	7.91877	8.30517	8.0296	8.10118	7.54819	7.75305	7.70612	7.24445	7.21091	7.51279	7.71686	8.38943	7.70458
KIAA024	8.49565	8.58931	9.03434	8.96611	9.35033	8.84532	8.25368	9.02691	9.41034	8.6144	9.05769	8.71458	8.65974	8.35656	8.77344	8.10283
KIAA031	6.75392	5.66603	5.2998	4.74829	3.27783	4.73879	3.20323	5.86617	3.76729	3.50939	4.84579	3.14285	4.05757	4.65943	5.18903	5.37386
KIAA031	6.18336	5.95336	6.2594	5.99489	5.66749	6.14545	6.3022	5.98336	5.99607	6.57712	5.79452	6.2673	5.64395	6.40096	6.02339	5.95126
KIAA035	8.19126	8.14618	8.62967	8.62607	8.72446	9.26004	8.76383	8.22366	7.9507	8.69462	7.76388	8.21006	7.80818	8.11962	8.52211	8.05612
KIAA036	7.59765	7.50807	7.7715	7.52301	8.09763	7.38443	8.06572	8.16838	7.75974	7.90366	7.35785	7.45961	7.44071	8.15094	8.25123	7.97191
KIAA039	5.74238	3.81549	3.50622	4.46262	3.86774	3.09851	5.40905	4.24814	3.31034	3.26858	2.73426	3.49365	2.88174	3.75913	3.21508	4.77693
KIAA040	1.64611	1.09002	2.07548	0.90097	0.84574	1.4697	2.56625	1.86949	1.81152	3.26858	1.26375	1.19537	1.4697	1.97057	1.08679	0.86912
KIAA043	4.90183	5.38601	5.4792	5.23799	5.57718	4.75996	4.83965	4.71852	4.67533	5.16975	4.70881	4.95287	5.45233	5.03715	5.24225	4.26259
KIAA048	6.07804	3.72138	4.16568	4.48705	3.65785	6.14323	7.98921	5.49265	4.83667	6.36534	3.25175	3.41248	4.13154	5.31668	4.41443	5.28144
KIAA050	5.87483	5.94043	5.84439	5.60876	5.51128	5.54525	5.68293	6.00457	5.68926	5.17832	5.17427	6.10669	5.63647	6.11232	3.93945	4.96263
KIAA051	6.70561	6.43673	5.6972	6.29754	5.75265	5.86708	4.93851	6.37431	6.47202	5.6902	5.67397	6.8806	5.01851	5.41719	6.0743	5.6018
KIAA055	7.98708	6.98515	7.20956	7.06955	7.53373	7.41405	7.10858	7.03627	6.96042	7.59995	6.61529	6.77204	6.76563	6.92393	7.13673	6.67664
KIAA058	6.88541	6.88815	6.61445	6.38914	6.78398	5.40805	6.21634	6.78618	6.02894	6.56032	6.18966	6.78314	6.44056	6.64445	6.37855	6.8133
KIAA075	6.86192	6.41137	4.6592	6.1427	7.70564	7.17176	6.78871	7.52746	6.92337	7.16815	6.00381	6.85555	7.19745	7.0935	7.58648	6.5943
KIAA075	4.22923	4.02325	4.481	3.57057	5.0266	4.40807	5.94701	4.71959	5.54336	5.21864	4.62434	4.06918	3.95382	5.10549	3.86842	4.64269
KIAA082	2.10775	1.47813	2.19315	3.3065	1.6611	1.97644	3.36917	0.81159	2.16744	2.40841	0.74298	3.07918	2.85325	1.00279	2.66077	0.49837
KIAA089	7.64001	6.72579	6.55112	6.70697	8.05195	6.79925	7.06635	6.24793	5.80222	6.75056	6.04696	6.19045	6.41164	6.49681	7.19405	7.17859
KIAA089	4.82998	3.84364	5.40086	4.39175	6.2212	5.14737	5.66827	2.30474	3.13363	2.61134	2.80891	3.32466	5.60935	6.28284	3.53974	4.07967
KIAA090	7.87248	7.58583	8.31171	7.71275	7.66502	8.10408	7.90263	7.7809	8.00842	7.82698	7.81452	7.37019	7.8789	7.65029	7.62888	8.15536
KIAA092	7.68484	7.93589	7.28966	8.05758	7.89413	7.99167	6.65474	7.91486	7.34125	7.40969	6.89497	7.46368	7.28611	7.19136	7.15863	8.00978
KIAA093	7.52478	7.75127	7.90591	7.69258	8.26432	8.63717	7.96038	7.10758	8.1427	8.00769	7.81409	7.89722	7.60636	8.3341	8.40588	7.63603
KIAA102	3.87518	5.07244	6.35317	5.33567	6.96375	5.63076	6.1223	5.37333	3.74437	6.28689	3.68444	5.61969	2.34547	3.0362	6.19683	5.13183
KIAA103	6.9764	7.30509	7.68215	7.16866	7.00489	7.31963	7.17072	7.22695	7.34542	7.28649	7.18281	7.31898	7.32272	7.21296	7.26072	6.99931
KIAA104	5.72333	5.10935	5.32848	5.98462	5.36051	5.4497	5.32123	4.98956	4.91294	5.19457	5.63471	5.46277	6.00252	5.72953	5.69792	5.46664
KIAA110	6.24458	5.13711	5.65144	5.73452	6.46116	5.99556	6.03942	5.8694	5.74912	6.13977	5.30533	4.92302	5.73534	6.12279	5.17462	5.935
KIAA110	4.95701	4.45943	4.21006	4.83092	4.65694	5.06066	4.5915	4.85833	4.27232	5.1084	4.67128	4.06264	4.8766	4.26924	5.27742	4.80703
KIAA114	6.74657	6.35595	7.2488	7.63257	7.25982	7.54563	6.92074	7.36045	6.95695	6.44039	8.34076	6.87735	7.09549	6.52829	6.92479	7.36045
KIAA114	7.69659	7.55198	7.5049	7.14362	7.90327	7.52923	8.1215	7.52478	7.32741	7.82579	6.01587	6.8133	7.23753	7.19551	8.20643	8.11142

KIAA116	5.34684	5.67487	5.1134	5.59734	4.97633	5.31034	5.24887	5.74785	5.32026	5.99792	5.00815	4.85056	4.89694	5.23432	4.89403	5.49591
KIAA119	9.2421	9.5671	9.2077	9.23884	9.09316	9.55257	9.43764	9.02909	8.87865	9.55838	8.55828	8.75835	9.64884	9.7224	9.77389	8.95696
KIAA121	5.16837	3.81549	5.14196	4.21125	3.57987	5.34499	4.08418	3.65408	5.42436	5.16393	5.60346	5.48686	5.1154	5.61264	5.1794	5.37077
KIAA121	5.67735	4.97356	5.34065	5.63203	5.72034	5.77214	5.13872	5.50496	4.89126	3.47059	2.44481	5.08194	6.2599	5.85187	6.04806	6.56131
KIAA121	4.83215	4.43596	4.15773	5.50079	4.55172	4.63367	4.60842	5.23108	4.56757	5.25231	5.07878	4.54485	5.48056	3.94666	4.15582	5.16332
KIAA121	6.06758	5.27976	4.84284	5.29544	5.662	5.81123	6.45319	5.83411	5.90037	5.90795	5.96423	5.86382	6.30532	5.67998	6.28161	5.9363
KIAA124	6.20003	3.981	3.47278	4.07485	2.91059	3.46822	3.17246	3.24843	3.36001	5.1487	2.89534	3.81102	3.48703	2.33043	3.17975	3.50136
KIAA125	3.85906	3.44995	4.23043	3.88996	3.74466	3.80706	2.55526	4.05184	2.61204	3.92656	3.33341	3.6256	3.71942	3.32466	4.389	4.71077
KIAA127	6.76762	6.98048	7.19551	7.37404	7.12429	7.33479	6.72553	7.32663	7.14373	8.13469	6.44292	6.54303	7.11405	7.0853	7.18028	6.51631
KIAA132	6.57951	5.55535	5.1579	4.95231	3.981	3.24973	6.25405	4.4489	4.02826	7.58344	2.87369	4.8006	5.56418	6.61041	3.9256	3.71129
KIAA132	5.61993	5.54035	6.46864	6.47656	5.79475	5.73398	6.89021	6.48414	6.10809	6.55112	6.30909	6.13912	6.44343	5.12383	6.06551	5.77478
KIAA132	5.2242	4.69519	4.85148	4.01206	3.82587	5.26541	4.51181	5.19241	5.63471	4.13266	5.74899	5.67455	5.63871	4.23928	6.06544	5.20317
KIAA137	8.65638	6.33947	6.00397	7.64835	5.2845	4.80177	4.39175	4.76678	5.21531	6.49499	4.83215	4.53734	4.29638	4.38323	5.70687	6.37883
KIAA140	7.14191	6.16655	6.89989	6.8244	7.33205	6.40779	5.83954	5.19191	5.91108	5.24846	5.77485	6.37229	6.25888	6.09264	6.8277	5.07599
KIAA142	6.79793	6.85834	6.7305	6.43519	7.17953	6.79241	6.97684	6.52859	6.74984	6.68978	6.94426	6.26698	6.68251	6.74735	7.04899	7.06828
KIAA143	5.24569	5.2949	4.97633	5.28791	5.56468	5.13694	5.15758	5.43734	4.87039	5.26879	4.72987	5.10912	5.85076	6.05682	5.47551	5.23355
KIAA143	5.04714	5.33428	5.24965	3.7359	6.28	5.02998	5.20516	6.58914	6.37561	5.12455	6.51508	6.22601	6.11204	4.29377	5.68888	6.52082
KIAA145	2.75185	2.26456	1.54854	2.28551	2.02496	2.65434	1.91146	3.17146	2.13825	1.87612	3.30436	2.75185	2.46016	2.37224	3.60386	2.38828
KIAA146	5.23284	4.49127	5.64557	5.97095	5.55753	5.73103	4.8047	5.61104	4.85602	5.48088	6.02617	6.12115	4.76519	5.27219	5.47909	5.58467
KIAA146	5.23521	6.06428	5.4168	5.56418	5.88242	5.75191	6.37737	5.72828	6.46361	5.99039	6.17984	5.96515	5.8773	5.59206	6.05835	5.81938
KIAA146	7.00137	7.12462	7.34773	7.40457	7.66602	7.16613	6.91061	7.05409	7.21604	7.1525	6.95816	6.27307	6.9788	7.10162	7.19947	6.80898
KIAA152	7.58344	7.41612	6.30722	7.47089	7.40067	7.06828	7.85734	6.71791	6.73451	7.02103	6.51464	5.9736	6.57865	8.50717	7.30991	6.89051
KIAA152	5.57884	6.22725	5.93563	5.55578	6.37629	6.14957	7.31308	6.62196	6.53152	4.76205	7.62599	6.08951	7.05601	6.37833	7.08843	7.04754
KIAA154	6.15674	4.98443	5.55712	5.86411	5.41041	6.64794	6.03826	4.74756	5.19004	6.0376	4.35575	4.97871	5.0129	6.01474	6.08596	5.78962
KIAA154	3.77982	5.42595	4.75618	4.04173	6.60229	5.50633	6.03639	6.56214	4.75008	5.54788	4.8375	6.12184	6.20181	6.92033	6.21081	6.01651
KIAA155	7.00878	7.34115	8.3527	8.14618	7.00026	7.27022	7.05131	7.23391	8.07142	6.29983	7.03405	7.53557	6.53414	5.83474	7.22828	6.61156
KIAA158	5.07215	5.41489	5.67169	5.93381	6.46539	6.4042	6.2336	5.9545	6.20767	5.95178	5.88871	5.02595	6.3988	5.90889	6.20252	6.39451
KIAA159	9.70215	9.78849	9.91148	9.3856	9.9217	10.4412	9.18613	10.6769	10.429	9.90431	9.38383	8.56452	9.14795	9.32537	10.1542	9.48636
KIAA161	2.93125	2.36797	2.99564	1.96731	2.53024	2.31052	2.81469	2.75656	2.61941	2.77263	3.08532	2.6814	2.42653	3.10839	3.24403	2.51437
KIAA161	5.37195	5.56364	5.02484	4.71865	5.77873	5.72269	4.65674	6.21697	5.51676	5.55753	6.22626	4.14691	4.88674	5.96143	5.91675	5.40805
KIAA164	4.14154	4.84233	4.99461	4.92736	4.69357	4.15245	4.70017	4.93308	4.69482	4.53865	5.2358	5.13985	4.96187	4.61938	4.89694	4.80917
KIAA165	2.78144	2.98295	4.17372	2.36953	3.04393	3.07162	2.77311	2.79365	3.23977	3.69095	2.22967	2.98574	2.24733	3.20265	2.80388	3.27837
KIAA165	4.574	3.74466	4.53375	4.07298	3.21843	3.23662	3.15288	3.42455	3.21895	3.38769	4.07326	3.12245	3.70978	3.23269	2.99513	2.58623
KIAA165	2.91928	3.23578	3.37794	2.91196	2.49029	2.6179	2.17829	2.32353	2.77474	2.70922	2.14289	2.05562	2.92084	2.87657	2.32747	3.54284
KIAA166	2.58692	5.23996	4.25955	3.10053	3.18522	4.07245	4.55321	4.32501	2.61941	3.41751	3.52473	1.84666	2.42653	4.50167	4.64145	3.34078

KIAA167	5.38679	5.79778	5.08327	5.56043	5.55954	5.43449	6.17248	5.38754	5.78319	5.24225	5.34859	5.63291	4.98058	5.75191	4.59297	4.95899
KIAA168	3.6339	3.39655	3.44995	3.22527	3.67359	3.36719	3.79639	4.1064	2.98628	3.46973	3.61309	3.59882	3.47039	3.64074	3.72138	3.72332
KIAA171	6.09232	5.46207	6.47493	6.37807	7.60227	6.75319	6.83822	6.05999	6.59516	6.75996	6.66494	5.83509	6.08539	6.12184	6.88541	5.79497
KIAA173	4.3961	4.26663	4.72646	4.13105	4.45523	4.24304	4.87118	4.21327	5.25011	4.21576	4.18699	4.57473	4.44111	4.78149	4.20938	4.56615
KIAA175	4.03451	4.59778	4.01749	4.32178	3.81566	3.28105	4.29854	4.21547	4.24417	4.35094	4.00704	4.48281	4.24993	4.11511	3.85414	4.03638
KIAA175	4.16783	4.79903	5.20228	3.88508	4.53425	4.31371	3.56769	5.12651	4.62927	4.6913	4.76092	5.80439	4.17372	4.34723	4.59535	5.05573
KIAA180	6.31081	6.47034	6.93089	6.51863	8.11291	7.48851	7.97435	5.99457	8.01779	7.89638	6.65009	6.92974	8.22174	7.33098	7.56828	7.92001
KIAA184	6.49484	5.40895	5.0875	5.69337	4.79518	4.31151	7.27109	4.2061	4.8213	4.69835	4.42101	4.52501	5.25333	5.33224	4.7761	4.18531
KIAA187	4.96737	3.87677	1.23236	2.65796	3.68084	1.63688	4.06264	1.3689	1.00765	2.47565	1.95222	4.81522	4.85376	4.55761	1.31925	1.85717
KIAA191	5.41945	4.86513	4.88909	5.58559	5.40272	6.00649	5.85064	4.89207	5.63311	4.87993	5.76901	5.4639	5.77379	6.06615	5.91479	5.47164
KIAA195	5.35699	4.49454	4.65737	5.22818	5.29927	5.58578	5.52221	5.72846	5.25716	5.47192	4.38415	4.86237	6.23627	5.64281	6.129	6.44456
KIAA201	7.9407	7.87198	7.91877	8.20175	8.14751	8.32009	8.18148	7.77339	8.03074	7.45674	7.91547	8.27357	8.34622	8.17734	7.87748	7.97893
KIAA201	6.10396	6.20708	6.0104	5.92139	5.63471	6.15108	5.67314	5.88373	5.47104	5.94043	6.07687	5.84019	5.36879	5.94805	5.74585	5.71355
KIAA202	5.7541	4.98232	5.48792	5.61759	5.1084	5.05043	5.4645	4.91388	5.14674	5.4433	4.8611	5.03287	5.47104	5.33606	5.24175	4.85269
KIAA202	4.58322	3.81063	5.17658	4.84059	4.389	3.84704	4.02634	4.9244	4.86016	3.99706	4.91553	4.28781	4.05472	3.71651	4.17056	4.49983
KIDINS2	5.80309	6.04259	6.30501	5.80824	6.1103	6.1336	5.71666	6.03254	5.97627	6.19536	6.35649	5.97667	5.65993	5.76967	6.07925	5.65866
KIF11	6.26381	6.94306	7.40489	4.39175	8.16124	8.02477	7.64224	8.09717	7.7485	3.55696	8.79617	6.84445	7.5477	7.19827	8.51258	8.34868
KIF12	6.07264	4.98989	5.32297	5.96999	5.66138	3.99153	5.33349	5.90165	5.83403	4.26756	4.37803	5.58627	5.29674	5.70403	3.55805	5.2085
KIF13A	5.57521	5.02776	5.18553	5.23713	6.10253	6.11248	5.82908	5.93233	5.43934	6.02339	5.33553	5.34584	4.65451	5.96676	6.20277	5.30988
KIF13B	8.36968	8.54292	8.54652	7.80049	7.75166	7.95514	7.94134	8.80992	8.13446	8.36895	7.58483	8.39515	7.1947	7.26649	7.85197	7.59394
KIF14	5.44001	6.08615	7.05272	4.98389	7.66453	6.6374	7.65419	7.44838	6.90032	4.96712	8.60447	6.46194	7.02978	7.55694	7.76686	7.54686
KIF15	4.33259	5.17869	5.31968	1.00034	5.70562	5.69627	6.06726	6.14982	5.93654	1.22431	7.91692	1.84666	6.64708	5.00109	6.09107	7.61233
KIF16B	5.1928	5.67978	5.82532	5.32521	4.93366	6.01778	6.16926	4.9553	6.02133	5.54441	4.83247	4.86049	4.43223	5.13733	4.94808	5.03614
KIF17	3.32431	3.04911	3.66581	3.27048	3.16569	3.01096	2.45415	2.34717	4.32665	2.93344	1.82109	3.16915	2.6465	2.70047	2.23945	2.7492
KIF18A	4.13997	3.93772	4.79814	1.33008	5.93782	4.55731	5.41247	5.09372	5.51676	2.95492	6.08974	4.99814	5.22455	5.84738	6.08488	5.24347
KIF18B	6.52136	7.72905	7.48777	5.78123	8.78881	8.04043	9.63482	9.08658	8.77753	5.48393	9.11537	8.41149	8.69356	8.05772	8.73934	8.83241
KIF19	4.10622	3.80861	4.73894	4.67394	3.95264	3.92267	3.73049	4.01612	4.68387	3.7382	4.81772	3.53131	3.78428	4.17094	4.58322	4.61847
KIF1A	3.70822	3.63219	4.47585	4.4764	3.94083	4.05092	3.49524	4.34603	4.03299	4.9692	4.49557	3.88616	4.14261	3.98857	4.15773	4.50924
KIF1B	5.72755	5.53516	6.49883	5.47087	6.81265	5.77863	6.09644	5.94974	6.3538	7.50258	6.55905	5.71345	6.00991	6.40695	6.21797	5.71771
KIF1C	6.74635	6.94086	6.67044	6.84709	6.06247	7.80198	6.40964	6.66184	6.46578	7.41961	7.06551	7.18981	7.03398	6.84206	7.40236	6.91606
KIF20A	6.34155	6.53899	6.62128	5.5987	6.95399	6.79347	7.45153	7.49429	7.24729	2.77263	7.55124	6.92808	7.48544	6.65672	7.4238	7.55303
KIF20B	6.0156	6.02858	5.70605	4.79981	6.65763	6.49265	6.85319	6.71583	5.17084	4.50434	6.853	5.00749	5.46473	6.1983	6.46975	6.78227
KIF21A	8.03457	5.56253	5.90869	5.59254	5.07857	5.56894	5.74127	3.61127	6.73659	5.73322	5.35506	4.4184	4.05184	4.56077	3.53624	5.1064
KIF21B	4.29421	6.04321	6.04656	5.71644	6.01309	4.58019	3.90378	5.76347	7.05982	3.53934	7.47271	4.2698	4.33163	3.3814	4.18051	5.08064
KIF22	5.79136	6.58211	5.33224	6.22536	6.05086	5.50982	5.37568	5.40205	5.69946	4.35831	5.93541	6.31624	5.58973	6.78707	5.94701	6.23514

KIF23	4.53425	3.85906	4.2027	3.06985	5.19321	5.46967	6.89843	5.34383	5.59149	2.53067	6.57303	4.1725	4.55271	5.06334	5.21721	6.64772
KIF24	1.79935	1.16965	1.32681	2.28551	0.75071	1.95254	1.24246	1.31605	3.76729	3.79424	2.54194	1.67664	1.93701	1.4899	1.81049	4.59445
KIF25	4.98862	5.37172	6.44429	6.69783	6.01449	4.6969	5.99607	5.04615	5.76027	6.51815	5.83766	6.60829	6.04515	6.02652	6.00057	4.50899
KIF25-AS	4.74319	4.42688	4.70445	4.29049	4.43832	4.66526	4.32644	4.7593	4.49797	4.7199	4.69036	4.93246	3.92354	4.96072	4.93308	4.60868
KIF26A	4.65281	3.92989	6.27095	6.3281	3.73511	5.09432	4.57543	4.91594	5.22056	5.88585	4.82189	5.89295	4.53328	4.14737	5.50884	4.30301
KIF26B	4.52039	4.56757	5.57693	4.35634	6.03368	4.92917	5.5537	5.28004	4.89098	5.35784	4.06784	4.67765	4.82364	5.57119	5.85558	5.67221
KIF27	4.87494	4.08141	2.72411	2.81334	4.80222	3.08198	3.27441	3.6374	2.22165	2.85867	2.93839	2.24796	4.98805	3.9712	2.94685	3.98264
KIF2A	7.47229	6.99169	6.694	7.41527	7.64528	7.54686	7.22279	7.65049	8.1282	6.34603	8.23177	6.18406	7.67787	7.26586	7.79766	7.69505
KIF2B	2.40819	1.94258	2.07548	3.71004	1.69898	5.18553	4.21561	3.41422	2.22165	3.11051	3.23213	2.01179	3.57524	3.33112	3.25706	4.25148
KIF2C	6.42572	6.79912	6.60354	6.32921	7.05601	6.84518	7.5305	7.08476	7.17635	5.65765	7.50291	7.44207	6.96907	7.236	6.85331	7.09292
KIF3A	8.06728	7.20937	7.48608	7.84768	6.76694	7.08446	7.22466	7.013	7.19916	7.32145	7.09088	6.69495	7.11782	7.2685	6.93556	7.16687
KIF3B	9.09246	8.27971	8.434	8.49612	8.17252	8.08135	7.78656	7.90882	8.11228	8.0157	7.84101	7.61999	7.21883	8.32579	8.34712	7.0242
KIF3C	6.91814	7.01074	7.1585	7.28797	6.78513	6.97262	7.00766	7.64677	7.12946	6.94672	6.99346	7.53123	7.85571	6.92873	7.59162	5.78642
KIF4A	3.88851	7.16333	6.12102	6.76687	7.49816	7.0257	8.92983	7.71853	7.32785	4.11891	7.61431	6.8419	7.65455	7.17031	7.7017	7.17515
KIF5A	6.22225	6.09956	6.43323	6.26814	5.59535	6.04035	6.09917	6.45669	6.27955	6.54781	6.18061	6.06161	5.60835	6.43871	6.42921	6.30273
KIF5B	8.68868	8.68206	9.30638	8.63776	8.41922	8.70529	9.09316	9.06063	9.18711	9.00505	8.89519	8.5194	8.60896	8.55452	8.78708	8.51084
KIF5C	4.74464	5.40872	4.67653	5.50113	4.74294	5.05177	4.86187	5.50341	5.49591	4.99763	5.768	4.84961	5.10776	5.0199	5.58837	4.83886
KIF6	6.54889	5.57982	5.24432	5.06097	4.46646	4.55883	5.64066	4.93441	4.83683	4.68584	4.76031	5.17709	4.82189	5.19203	4.82835	5.00103
KIF7	2.30837	2.36797	2.55526	2.34348	2.55772	2.60961	2.9333	2.21132	2.47145	2.66614	2.38828	2.34474	2.98256	2.57571	3.08134	2.45954
KIF9	8.74814	7.42114	5.75038	7.96455	5.92857	6.01754	6.19518	6.14279	5.87367	6.79006	5.9262	6.36353	6.6623	6.08225	6.16895	7.05317
KIF9-AS1	7.19424	7.17031	6.10848	5.78123	6.89365	6.18	6.25521	6.57849	7.17552	6.32107	6.37591	6.30769	6.56239	6.20722	5.8292	6.46154
KIFAP3	7.7148	7.51396	7.94178	7.85515	8.36147	7.68272	7.35698	7.74695	8.01588	7.80818	7.53761	6.87285	7.51416	8.54292	8.23714	7.53935
KIFC1	4.69157	4.61934	4.53653	4.31831	3.87693	4.54584	5.16332	4.81522	4.32665	3.41751	7.46566	5.42357	6.17299	3.91524	4.28189	4.61957
KIFC2	6.50329	5.43961	6.36055	6.21912	6.45026	6.791	6.75957	6.68135	6.86932	6.40861	6.06581	6.68886	6.36267	6.61706	6.33199	6.51314
KIFC3	2.7835	2.92084	3.42644	3.86393	3.36189	3.19332	3.28105	3.44676	2.93245	3.50389	3.94546	4.03827	3.9636	4.07101	2.76999	3.49231
KIN	3.76529	3.07162	4.48907	5.18054	4.28431	5.64828	4.85572	5.7566	4.74803	5.23713	5.16611	3.8927	5.34019	4.67236	4.31728	3.8889
KIR2DL1	3.19594	3.09358	3.34445	2.93958	3.41088	3.09851	3.44209	3.55509	3.6241	3.83015	3.72069	3.56237	3.53101	4.02841	3.60386	3.20278
KIR2DL2	5.17869	4.67521	3.9258	4.31296	5.76569	3.40348	4.57297	4.75563	3.6792	4.52838	5.41426	4.27983	5.54936	5.5943	5.86754	3.82879
KIR2DL3	6.15404	5.79075	6.76324	5.5987	5.70326	6.28277	5.37804	6.53713	5.77656	6.92044	6.04817	4.96683	5.60935	6.49925	5.6902	4.27004
KIR2DL4	5.52441	5.93937	5.76275	5.25162	5.7765	5.47559	4.5349	5.93055	5.29011	4.95701	7.48326	5.86584	5.49973	5.01962	4.77009	5.48455
KIR2DL5	5.06203	4.42197	4.64876	5.0822	6.06808	6.33487	6.45035	4.60422	5.25322	5.96497	7.14475	6.52299	7.0261	6.91842	5.96549	5.64846
KIR2DS1	4.79343	3.70541	4.32214	4.37306	5.7151	5.61993	5.09913	5.90309	4.72028	4.69327	5.36067	6.31307	5.64319	5.95392	5.88125	5.58559
KIR2DS2	3.42813	3.94952	3.5252	5.43449	3.88843	3.4746	4.32228	5.01102	3.42477	4.10188	4.49934	4.52123	4.60192	6.22003	5.06097	5.45068
KIR2DS3	3.72099	4.55696	3.27793	3.45327	5.62849	3.66504	4.03876	3.98218	3.74437	3.13394	3.64434	3.405	3.62729	4.01187	3.18863	3.44273
KIR2DS4	2.61145	2.56774	4.2347	2.45536	2.97095	2.86136	3.12496	2.37778	2.81157	2.85867	4.32782	2.76999	2.79294	2.68036	3.20278	3.0606

KIR2DS5	5.03573	4.90215	4.87909	5.47686	4.65407	4.51187	4.82932	4.93717	5.23893	5.19743	6.67015	5.48379	4.76177	4.80703	4.88519	4.84049
KIR3DL1	2.47437	3.34445	3.07458	3.00618	2.85371	2.45459	2.83966	3.27157	3.6241	2.57765	3.40575	3.88029	3.46411	2.77311	2.93032	3.23061
KIR3DL3	3.51548	3.25613	3.02585	2.83422	2.87786	3.5856	3.6755	3.47335	3.90229	2.95492	3.92452	3.4402	3.60262	3.67678	3.82329	4.46349
KIR3DS1	4.0622	3.91554	3.78517	3.60342	4.06073	5.15643	4.10344	4.16157	5.67968	4.78392	3.99549	3.68084	4.43617	4.14195	3.78253	3.93004
KIR3DX1	5.01102	6.95677	6.14279	6.93659	6.00057	5.92522	6.71555	6.13042	6.0929	4.47947	4.86845	6.28982	5.79382	6.81715	4.44519	5.98103
KIRREL	1.90648	2.70166	2.98959	3.32719	2.31518	3.07493	1.88334	2.51343	2.69081	3.99724	3.82587	3.504	1.98342	2.03992	2.85623	3.05368
KIRREL2	2.96659	6.10444	4.82733	3.988	3.46884	3.90614	3.89026	5.22018	3.40648	3.70919	3.981	3.25228	3.51845	4.72155	4.43654	3.4643
KIRREL3	3.19594	3.65681	3.11137	3.93679	3.14557	3.15165	3.57168	3.96044	3.38569	5.69188	3.64434	3.73633	3.49323	3.60186	3.39726	3.63765
KIRREL3	2.65839	3.64857	3.79811	3.39777	2.81309	3.01096	3.70182	2.49961	3.09248	2.85867	2.97056	3.56237	3.93646	3.98175	3.72694	3.73803
KIRREL3	3.36587	3.85394	3.51672	3.46996	4.23397	4.14087	3.68625	3.55509	4.00589	3.98113	3.94748	3.91237	3.95924	3.7466	3.99153	5.01962
KISS1	2.61145	3.09358	3.14177	2.58828	2.61273	2.36638	2.61298	3.06557	2.67969	3.07203	2.64984	3.01775	2.46016	2.82083	2.89621	2.73131
KISS1R	6.53172	5.9748	6.52531	6.24397	5.85869	5.82474	4.91176	5.02925	5.57038	3.72029	4.04541	6.29102	6.68791	6.33213	2.21248	2.4366
KIT	6.54142	3.51602	7.54261	6.63175	7.85021	3.79752	2.61298	3.58474	6.5358	8.48429	2.15913	2.15748	9.67664	2.70047	9.00167	10.167
KITLG	5.06381	4.37858	5.23355	4.88176	5.23907	5.29354	5.91675	4.14289	4.74151	4.7593	4.8832	5.40326	5.03176	5.84395	5.36481	6.21158
KIZ	7.02199	7.29703	7.43279	7.1301	7.54819	6.64301	5.74677	6.52517	6.97093	6.96768	5.89679	6.9609	6.81688	7.28797	7.28385	6.68807
KL	4.47048	4.46777	5.29126	5.52175	6.07037	5.47132	6.62111	3.60236	4.10622	5.066	5.30561	4.47148	4.93183	5.62176	5.95087	4.4838
KLB	5.80282	5.68466	5.85529	5.06115	5.58299	4.85855	5.01151	4.4394	4.50899	5.84528	5.50787	4.56226	5.32348	4.17491	5.58076	6.57028
KLC1	6.84156	7.02998	7.43016	7.5216	7.23137	7.24537	5.87819	6.84518	7.15152	6.83211	7.72037	7.49352	6.69095	7.02558	6.68041	6.70089
KLC2	7.2446	7.58194	6.63446	6.76409	6.87241	7.47646	8.1411	7.07704	7.50832	6.53737	7.04529	7.13124	6.91418	7.19389	7.42706	6.88379
KLC3	4.58796	5.74024	4.78612	5.07305	5.09999	5.23178	6.27955	5.41316	5.3882	5.31079	4.6673	5.12489	5.64142	5.14928	4.75966	4.74782
KLC4	5.37368	4.53679	5.2156	4.35216	4.69861	4.41538	5.30045	4.83383	4.58104	4.78555	5.2994	4.75855	5.43118	4.29147	4.78714	4.39545
KLF1	5.42686	2.74824	3.64717	3.73945	3.80647	5.48131	4.5939	4.46162	4.63412	5.23982	5.59376	5.26415	5.78611	5.40633	4.08195	5.44618
KLF10	8.31608	8.46478	9.78359	9.27986	9.14959	9.05286	8.75334	9.09718	8.6352	8.84953	9.10997	9.02909	8.36706	8.08542	9.69447	8.15584
KLF11	5.74832	6.75806	6.75056	5.87942	6.34446	6.75738	6.41723	6.31723	5.97916	6.27134	5.97591	5.98662	6.91137	6.81827	5.67359	5.81646
KLF12	5.26424	4.82733	4.79562	5.32616	4.61534	4.91594	4.41644	4.53425	5.07516	4.61448	4.6173	4.07003	4.85535	4.50759	4.70184	4.81568
KLF13	5.10247	5.97368	5.78319	6.07493	5.19266	5.86096	4.9039	5.65893	5.86194	4.94577	5.42456	5.18154	5.7588	5.22658	5.22391	5.27249
KLF14	3.76414	3.36001	3.86625	3.9598	2.90857	3.26737	2.40629	3.20382	2.98792	3.24634	3.32317	3.40918	3.39754	2.68987	3.75445	3.43926
KLF15	5.68136	4.99999	4.70279	5.26786	4.43705	4.46366	3.96947	4.28781	5.46994	6.50632	4.42547	5.46967	4.47874	4.981	5.03697	4.53792
KLF16	3.72865	3.75445	3.50233	3.77609	3.28733	3.71862	3.2995	3.05435	3.61465	3.35088	4.65694	3.68528	3.111	3.59171	3.15493	3.54525
KLF17	7.80696	7.47931	7.94881	7.78548	7.04994	7.3728	7.67863	7.62511	6.60777	8.02382	7.60753	7.74961	7.60983	7.88653	7.63559	7.14716
KLF2	6.94612	6.63879	5.92763	7.37469	4.5638	5.1722	4.51064	4.98767	6.46638	5.65342	6.50474	6.7168	5.70157	6.27917	6.02997	4.78521
KLF3	6.70492	6.13206	6.44381	6.45737	6.94457	6.67459	6.9634	6.23627	6.54427	6.51344	7.01269	5.91387	6.38992	7.06319	6.58884	6.27756
KLF3-AS	6.48887	2.95335	4.71531	4.90672	3.63476	5.34179	5.1995	4.05647	4.27105	5.35171	3.07493	4.54977	2.53152	5.61554	5.38841	5.76823
KLF4	7.63211	6.13292	7.14827	6.6495	7.81409	6.82752	7.98107	6.8502	7.0855	7.25051	7.85138	6.55232	7.60892	7.44046	7.39069	7.12487
KLF5	9.69447	8.5569	8.8365	8.9415	6.79985	8.75045	9.18052	8.69245	8.22834	8.61181	7.97435	6.77582	6.66212	8.28971	7.86725	9.2812

KLF6	7.11246	6.28982	7.12136	6.61815	6.30374	6.09592	5.45233	5.89586	6.76829	6.94991	7.61653	6.56214	6.24364	6.19313	6.23645	5.82226
KLF7	6.22135	6.1892	6.35401	6.2885	5.81473	6.41202	6.09528	6.21818	5.63605	6.20677	6.52544	5.97927	6.04232	6.29893	5.99432	5.77673
KLF8	3.49069	4.43114	4.6307	2.89287	3.43024	3.42172	3.14998	5.53181	4.8435	5.28422	4.56255	3.53424	3.1532	4.30115	4.95231	3.08274
KLF9	4.81648	4.92713	5.00549	4.03381	5.02024	5.12503	3.99397	4.6173	5.38754	5.44544	5.18845	4.41443	3.20866	4.0183	4.59373	4.26674
KLHDC1	4.55579	5.4529	5.53943	4.75746	5.62362	5.2994	2.12186	4.43705	3.60236	6.2147	4.76445	2.71114	4.55142	2.87454	4.68457	5.5189
KLHDC1	7.27263	7.03686	7.36164	7.45941	7.13317	7.05041	7.74284	7.47555	7.01184	7.17072	6.86866	6.32617	6.88201	7.41297	8.03646	7.67711
KLHDC2	9.31733	9.28935	9.19156	9.56326	9.78849	8.93763	7.94134	8.88247	9.02455	10.058	8.38568	9.05286	9.14959	8.27954	8.53855	9.30484
KLHDC3	5.34266	5.79898	4.58478	5.78528	5.55505	5.6952	5.32082	5.75757	6.64925	4.83417	5.90626	5.82384	5.75987	5.67455	5.78106	5.95367
KLHDC4	5.60113	5.56185	5.59123	5.6242	5.5803	4.78664	4.75793	5.50719	5.78012	5.46159	6.09052	6.52996	5.39736	5.23459	5.26786	5.19838
KLHDC7	6.87216	6.69654	6.42302	6.41274	5.2705	5.13232	5.51666	5.12946	5.40016	6.37535	6.30457	5.05601	5.16727	5.03322	5.01734	5.30102
KLHDC7	7.05016	7.66374	7.0851	7.15273	7.00737	6.41831	6.91272	7.68776	7.53935	6.13317	6.68462	7.08897	6.80229	7.34748	6.72429	6.81306
KLHDC8	3.18721	4.1681	3.93262	4.39974	4.17769	4.42968	4.63704	4.93532	5.62406	6.60068	4.23244	5.29174	4.50317	3.80455	3.92468	3.90348
KLHDC8	9.0046	9.06394	8.83393	8.36147	7.81563	8.31583	8.50431	8.26476	8.53034	8.85137	8.86712	9.15916	8.95432	7.399	7.54704	8.20866
KLHDC9	9.71027	8.0064	7.51793	8.69568	7.31673	7.47003	5.96781	7.49773	7.80763	7.8802	5.26854	7.35149	7.11849	7.33872	6.93693	8.07849
KLHL1	4.41154	2.6271	3.57327	4.35788	3.97656	3.88075	4.83307	3.77246	4.80917	4.48486	4.22596	5.25872	5.21707	3.77762	2.99474	5.1084
KLHL10	4.50847	5.04939	4.76092	5.01906	4.80767	5.12455	5.14034	5.54991	4.86073	5.17108	4.67368	3.42081	4.73386	5.62032	5.01151	5.10822
KLHL11	1.64611	2.07729	1.91144	2.1445	3.32431	3.4746	3.40901	2.07548	3.5404	1.92074	2.75175	3.25228	2.04398	1.78331	2.39175	3.85415
KLHL12	7.58738	8.06928	7.5598	7.49498	8.13104	7.95615	7.1664	9.62785	8.1649	7.40328	7.7389	7.95868	7.88823	7.86869	7.8754	8.06218
KLHL13	7.24292	6.54082	5.6931	6.48043	7.19145	7.62073	6.46685	5.68373	6.63564	6.087	6.56699	5.9634	6.7229	5.49251	6.86696	5.00773
KLHL14	5.44954	5.0963	5.16763	5.59206	6.08596	5.34065	5.69792	5.21946	5.52649	4.8012	5.30756	5.5121	5.33349	5.36688	4.96449	5.21285
KLHL15	7.2897	7.41075	7.86841	7.37115	8.23685	7.22892	7.02487	7.65128	7.2218	7.85021	7.38342	6.36281	7.58379	8.10975	7.78913	7.76072
KLHL17	6.40021	5.35492	5.08302	6.22827	6.45489	4.89829	6.26213	5.06066	6.08828	4.95945	5.61679	6.39389	6.01259	5.65486	5.07033	5.4698
KLHL18	4.86187	6.25659	4.92697	5.46484	5.06879	5.34266	5.70304	4.49472	5.8117	5.24084	6.53939	6.61815	6.48478	5.2999	4.94719	5.28812
KLHL2	8.5557	7.93806	8.21644	7.91244	8.67223	8.02382	8.2922	7.62983	8.23881	8.9537	8.26281	7.4807	7.9098	7.96944	8.29871	8.28007
KLHL20	6.44586	5.48754	5.72016	5.79876	5.30826	5.57239	5.46637	5.17157	5.44754	6.1103	5.77804	5.29895	5.89817	5.36743	5.7021	5.50142
KLHL21	7.87346	7.98956	7.67387	7.70647	7.46424	7.57624	8.4526	7.97459	7.97212	9.57128	7.40347	7.81452	7.95868	8.71927	8.18148	7.48608
KLHL22	3.99287	3.71527	4.37195	4.16643	4.34913	4.71918	3.9348	4.50567	3.80927	4.49077	3.85641	5.41534	4.20167	4.03129	4.63436	3.61598
KLHL23	2.50129	1.71163	2.50291	2.28551	2.47594	3.13279	3.27441	3.55509	2.58986	3.37812	3.26817	2.17829	2.31554	2.72254	2.04035	2.31622
KLHL24	5.76467	6.44179	6.05337	6.15065	5.92734	6.23742	5.95982	5.67778	6.1481	6.1129	5.18222	5.63906	5.3654	5.5278	6.09592	6.05863
KLHL25	5.53895	2.89801	4.67509	6.34869	3.84331	6.02213	6.36119	4.52735	5.28311	4.65523	4.08209	7.11335	3.23246	4.6923	5.57414	3.97214
KLHL26	5.29504	5.13629	5.03914	3.96234	5.21916	5.15361	2.31492	3.21508	5.52482	5.09778	5.68695	6.11277	3.97703	5.05858	5.23355	3.7755
KLHL28	7.59235	7.0724	7.62176	7.62252	7.11527	6.9948	7.07585	6.59837	7.3511	7.52444	6.67121	6.8412	7.29816	6.13572	7.25205	7.2235
KLHL29	5.38297	4.81708	5.24694	5.26369	5.33204	5.22442	5.59384	5.10822	5.15365	5.15634	5.42342	4.99664	5.01414	5.71558	4.87334	4.7056
KLHL3	4.96002	5.23378	5.11744	5.10984	4.54977	5.22028	4.54874	5.5537	5.02623	4.76747	5.0159	4.89182	4.94042	4.84137	4.72699	5.18222
KLHL30-	5.22275	4.11531	5.38936	4.9312	4.63576	4.80276	5.7251	5.50962	4.48532	3.94629	5.54982	4.34225	4.33795	3.73088	5.0902	5.12161

KLHL31	3.5082	3.88508	2.60305	2.54096	2.57136	2.82798	4.00429	2.38894	2.30728	3.17904	2.59362	2.8556	1.95191	3.70234	2.88181	3.77106
KLHL32	3.75698	2.79266	0.53357	4.85873	3.29261	1.4697	1.03884	3.19037	0.69487	0.5704	1.20713	2.81338	1.53958	0.22408	3.56833	1.54854
KLHL34	5.71586	5.41696	5.64247	6.25222	4.39114	5.49487	5.25963	5.00206	4.79283	4.50911	4.23345	5.98336	5.22796	4.38106	6.15329	4.84501
KLHL35	4.97252	5.14578	4.92985	5.0723	4.3419	4.80682	5.53338	5.07648	4.37418	5.01135	5.15888	4.07326	4.77009	5.45206	4.43188	3.90216
KLHL36	6.74325	6.30059	7.21764	6.70005	6.78556	6.40514	6.49105	5.73398	6.90055	6.41548	6.73608	6.81521	6.68839	6.61987	6.63394	6.4743
KLHL4	5.31668	4.47552	5.49037	3.18584	5.55192	4.19766	3.53349	5.16259	4.68478	3.37183	5.53149	5.54631	2.99303	4.75405	5.16906	5.25786
KLHL40	3.82982	2.82798	2.61382	2.55745	2.65839	3.17101	2.88209	2.98628	2.39727	2.69205	2.63321	3.07028	3.25147	3.87671	2.94685	3.1481
KLHL41	6.30585	5.32055	3.98194	6.15536	5.71535	5.46507	6.15139	5.98945	4.95456	6.1809	4.53287	5.3882	4.47417	5.324	5.56185	5.66581
KLHL42	7.61288	7.74479	7.93338	6.81937	8.78035	7.72774	8.8583	7.85734	8.04634	8.68337	7.90618	7.98479	7.55386	8.01606	8.83393	8.24645
KLHL5	6.16713	7.00172	7.2324	6.79541	7.8749	7.88943	8.19737	6.65411	7.48326	6.92712	6.65858	7.00523	7.1111	8.07142	8.02537	7.18404
KLHL6	7.08016	6.71775	6.31242	6.80033	6.13804	5.94581	4.84399	6.25491	6.70618	5.42135	6.3353	6.24994	6.16524	4.71037	5.89549	5.62113
KLHL7	6.77986	7.30991	6.99046	6.23706	7.48101	7.21975	7.19454	6.82513	6.99931	5.67655	7.75423	6.51228	7.23189	7.15273	6.31307	7.20937
KLHL8	7.01673	6.25955	6.45975	6.01449	6.54841	6.12863	7.95572	6.88438	6.44292	5.6892	6.52354	5.79198	5.45006	7.01358	6.95023	5.05825
KLHL9	5.12258	5.92501	5.75787	5.46033	6.58127	5.70107	5.45244	6.3411	6.28743	6.37807	6.27471	5.72522	5.97916	5.69455	6.09555	6.54889
KLK1	5.32883	3.88198	4.06856	4.0617	5.45343	3.99858	5.80316	4.61194	4.88674	4.46314	5.16217	5.13371	4.65932	4.84227	6.04054	4.25809
KLK10	3.55752	3.7942	2.58362	2.97824	3.33424	3.32719	3.65386	3.24368	3.10589	2.76133	5.03262	3.30762	4.49454	3.29007	3.94824	3.45895
KLK11	7.743	4.38415	5.36371	5.38345	5.94244	5.62765	7.13673	4.93717	5.11278	8.19911	6.93141	4.29394	5.32616	4.28869	4.33642	6.01067
KLK12	4.94341	5.18736	5.21059	5.5705	5.16578	4.60892	4.83417	4.53994	4.30008	9.08964	6.91622	5.09551	4.43188	4.74768	4.35094	5.07878
KLK13	6.04759	5.72712	4.69768	5.85761	5.13458	4.95084	6.04977	5.63462	5.17831	6.22105	5.40235	5.22468	5.18074	5.60707	5.52496	5.75088
KLK14	3.42813	2.07729	4.75389	5.35512	3.16569	2.74824	3.08298	4.96224	2.47145	3.6977	3.69464	3.25228	2.90755	4.04773	3.04901	2.84751
KLK15	4.36974	4.09143	4.45447	4.01284	4.1954	3.60594	4.32526	4.08195	4.17056	3.97261	4.10591	3.62944	3.66246	3.92882	4.26259	4.12287
KLK2	4.48935	5.58837	5.03733	5.67487	5.13064	5.48056	5.87229	5.95058	5.35918	5.61759	5.17275	5.3451	6.20252	5.35722	4.99899	5.41696
KLK3	5.90647	5.97729	5.34359	6.01381	5.82532	5.96182	5.68251	6.09252	5.49559	5.46214	6.05626	5.72084	5.20862	6.12821	5.31111	6.4483
KLK4	4.96907	4.60347	5.56253	5.32537	5.13011	5.3421	5.16975	5.20358	5.12314	5.01322	4.84284	5.79852	4.9646	4.85179	5.29733	5.1428
KLK5	3.48571	2.77081	3.27793	1.89139	3.22566	2.24655	2.3531	3.31083	3.42477	3.36001	7.64749	2.86273	2.17097	2.77311	2.14289	2.73131
KLK6	3.73406	5.06524	4.57507	4.41415	3.30882	5.64899	5.62801	5.157	4.55668	4.41983	7.14648	5.29643	3.98812	5.27102	4.74768	4.56255
KLK7	5.03249	5.70455	5.72779	6.06726	5.33448	5.64301	4.9789	6.48637	5.93974	5.07954	8.35464	5.45677	5.20358	5.63847	5.39933	5.18154
KLK8	6.09622	5.97627	4.66192	5.34551	4.96515	4.65418	5.56103	4.9312	5.87152	5.16804	6.08128	5.56324	6.06026	5.38359	5.6096	6.16413
KLKB1	6.80143	5.16113	5.97454	3.02476	5.71666	3.44117	6.58582	4.18478	5.4207	4.39244	3.69464	3.69374	2.31554	3.7466	5.18256	5.98219
KLLN	6.28284	5.81537	6.40779	6.27239	6.45523	6.72093	4.58656	6.39586	6.64819	6.3127	6.41816	6.94792	5.76673	6.31673	6.67107	6.82876
KLRAP1	4.65553	4.67009	5.12092	5.53655	5.58344	4.63077	4.91661	4.65546	5.52833	5.54577	4.8882	4.57959	5.6564	5.45068	4.88519	4.39898
KLRB1	7.70306	9.76458	8.04151	10.0472	8.32414	8.48679	5.57489	6.88023	9.34402	6.29245	6.6015	6.00916	7.76863	5.37493	8.16934	7.45726
KLRC3	3.94748	3.06378	4.82733	4.14041	5.37077	3.63988	3.73393	5.57521	3.63964	3.55696	7.73862	4.70518	5.80567	3.80927	3.53974	4.4838
KLRC4	4.8689	4.28339	5.57398	4.64889	4.87415	4.98138	4.47708	6.30699	5.1046	4.28394	5.77642	4.42289	5.52053	4.64607	4.75447	4.93639
KLRD1	3.56906	4.94835	5.22056	3.83194	4.95609	4.23244	4.18038	6.01704	5.31006	3.40918	6.20277	3.9093	4.48935	5.21589	4.1175	4.76569

KLRF1	7.3525	7.22234	8.01689	7.2857	6.63624	6.599	2.61298	8.38294	6.63021	7.8327	6.66054	5.84617	5.76339	5.4874	7.34178	7.24146
KLRG1	6.05271	6.04592	2.96792	5.01314	6.00658	5.66816	4.58061	4.26669	5.90526	6.35428	5.54982	5.22709	5.92035	5.81335	5.54464	5.46398
KLRG2	5.593	5.68373	6.1275	6.99294	6.66639	7.14133	7.51379	8.25902	5.40944	5.73398	5.44809	5.91869	6.07302	7.48831	7.82655	7.80837
KMO	4.41729	7.06373	6.91931	6.69916	6.76788	6.46676	4.8235	7.23281	7.47457	5.9294	7.46926	6.65436	7.37708	4.20655	6.45822	6.55209
KMT2A	5.11002	4.56473	5.56612	5.66227	5.2535	5.09451	4.94203	4.78492	4.97569	5.30388	5.39911	4.91154	4.74336	4.83125	4.99197	5.04878
KMT2B	4.76219	4.91294	5.10428	4.20918	4.80389	4.86237	4.44748	4.78947	5.13011	4.68339	4.73297	4.9315	4.83247	4.99785	4.74067	5.06242
KMT2C	6.63039	6.42644	6.85775	6.59933	6.47493	6.30759	6.52006	6.05374	6.47564	6.70411	6.46055	6.08253	6.90659	6.24558	6.44381	6.83139
KMT2D	5.57129	5.48413	5.7287	5.41855	6.02637	6.56956	5.68071	5.95281	6.19721	5.82766	5.90894	5.90118	5.51756	5.78159	5.9345	5.77944
KMT2E	8.13823	7.74898	8.97353	8.75288	7.21911	8.68454	8.76878	7.2883	8.88693	8.11228	7.74644	7.83976	7.64835	7.39559	8.77753	7.99279
KMT2E-A	6.07045	5.64428	6.00638	5.66702	3.18522	5.97527	5.18039	5.1459	5.60018	6.00788	5.41954	4.83368	5.34576	5.17875	4.62482	4.2961
KNCN	3.50034	3.46411	3.74811	4.15684	3.65448	4.87602	5.66827	3.77845	4.87944	4.15112	3.50469	4.3486	3.91647	2.86263	4.06918	5.43914
KNDC1	5.36688	4.60638	4.33103	5.22391	5.12281	4.2061	4.35243	5.17622	4.81112	5.04513	3.84132	5.00115	4.57635	4.94502	4.66687	3.79811
KNG1	2.10357	2.98436	2.47462	2.89422	3.54915	2.80584	2.91461	2.54889	2.37778	2.84585	3.28894	2.87745	3.84066	2.61134	2.93574	2.72294
KNOP1	6.24655	5.94111	5.92308	6.55858	6.36841	6.72621	7.09252	6.04328	6.33157	6.16313	6.14478	6.26672	6.92778	6.51314	6.30523	6.28872
KNSTRN	7.20184	7.46659	7.97484	7.0935	7.20184	7.22033	7.73205	7.54789	7.31201	7.61312	7.42114	7.37305	8.21863	7.7158	7.39879	8.33155
KNTC1	5.97437	5.95677	6.8983	5.74926	6.98675	6.14424	6.14478	6.89264	7.11246	6.55926	6.4551	5.85971	6.89331	6.28284	6.26973	6.06992
KPNA1	6.92227	6.86866	6.55046	6.76466	7.25418	7.07804	7.15001	7.29617	7.3786	7.1175	7.33114	6.01426	7.00261	7.02137	6.98472	6.79818
KPNA2	9.16537	9.87278	10.0415	9.11537	10.8755	10.0897	10.8872	11.0235	10.5181	8.86529	10.9679	9.76893	10.2415	9.92568	10.5573	10.6426
KPNA3	8.21355	8.12509	8.33034	7.95894	7.87786	7.9407	7.98688	8.27535	7.26586	7.71463	8.3979	6.18435	6.93864	7.58402	7.99918	8.32931
KPNA4	6.18661	6.10396	6.32482	6.77286	6.58303	6.6682	7.35652	7.06583	6.76679	6.17104	6.69321	5.98188	6.91517	6.23514	6.81351	6.79793
KPNA5	6.87418	6.77476	7.16525	7.37167	7.67813	7.40094	6.91931	6.56713	6.84879	6.86618	6.66023	6.61296	6.15395	6.87387	6.8412	6.87459
KPNA6	7.49983	7.34643	7.80469	7.33925	7.56746	7.54819	7.99805	7.83011	7.50555	7.67681	7.276	7.22559	6.89922	7.91731	7.79044	6.97599
KPNB1	8.82891	8.67187	9.30247	8.58691	9.10357	8.71077	9.20282	8.87234	9.16537	9.0354	8.91149	8.78995	8.55452	9.5293	9.16397	8.87832
KPTN	7.68633	7.55335	7.43943	6.88127	8.20967	8.22428	7.74178	8.35151	8.11142	7.98311	8.10686	8.68099	7.96679	7.52217	7.24828	8.0555
KRAS	7.4238	7.25522	7.13758	8.21756	7.21275	7.15354	7.60563	7.07893	7.38512	6.95872	7.44541	6.74902	6.79883	6.93183	7.54447	6.51475
KRBA1	7.63463	7.09188	7.05524	7.74644	7.15808	7.51914	7.48173	7.63881	7.43691	7.73231	6.9262	7.98132	7.50356	7.53403	7.58402	7.06621
KRBA2	3.39513	5.54715	4.21937	5.26993	5.41899	4.16542	3.76501	4.51056	5.29959	5.51925	3.66652	4.54726	3.62729	3.77151	4.37551	4.38335
KRBOX1	6.14693	3.35252	3.85298	3.3738	3.84331	3.55971	3.39293	3.70769	5.8258	4.10188	5.50891	5.18766	4.36086	5.76839	4.73297	7.10285
KRBOX1	5.70446	5.69663	4.83835	6.25675	3.57987	5.8657	5.03203	3.10948	6.37624	4.63184	5.59123	6.3708	5.69186	4.92635	6.29269	3.6836
KRBOX4	7.77539	8.04611	7.90171	7.53069	7.80198	8.31951	7.94046	7.45844	7.87767	7.58264	7.03198	6.694	7.17584	7.24867	7.769	7.40799
KRCC1	8.05758	8.07874	8.30008	8.38943	8.61511	7.95464	8.05282	6.49724	7.45025	7.82061	7.68253	8.06218	8.44288	8.04702	8.3215	8.54652
KREMEN	5.61508	5.8278	5.72395	6.03682	6.12575	5.87462	6.6594	6.28188	6.10066	5.77721	5.4555	5.93974	5.8358	5.7418	5.91251	5.91782
KREMEN	5.37837	6.22609	7.96537	5.44738	9.08426	8.33735	8.56006	7.42409	7.66502	5.6287	5.62509	8.48009	8.82789	8.90489	8.33124	7.99805
KRI1	6.8119	6.03368	6.75251	7.17445	6.85717	7.20629	7.36235	6.03112	6.33597	6.31191	7.14861	7.22279	6.03236	7.87426	6.88337	5.99529
KRIT1	5.96837	5.94251	5.81836	4.71717	6.14705	4.82982	5.70643	4.58322	5.95579	6.50406	5.65647	5.35681	5.1601	5.06381	6.19406	6.42707

KRMP1	2.50129	3.16637	2.50291	3.39777	2.68714	2.69944	1.91146	2.91144	2.13825	2.2766	2.54194	2.91196	1.7762	3.55944	0.93298	3.13394
KRR1	5.49238	5.6488	5.67273	5.54288	5.87597	6.10003	6.44014	5.28699	6.08731	5.71711	6.20478	5.81608	5.88734	5.80461	6.15904	5.24948
KRT1	6.27109	6.51748	6.7903	6.55586	6.93829	7.05993	8.63591	6.5042	6.75235	6.67555	6.84318	6.64708	6.56438	6.19445	8.53091	6.52383
KRT10	10.5482	11.0417	10.7178	10.8711	10.1456	10.6233	11.0563	9.59898	10.269	10.6733	10.7105	11.1658	10.5711	10.0218	10.9989	9.78173
KRT12	5.85581	4.28339	5.448	5.49584	2.9933	4.10435	5.55137	4.88503	5.24814	5.9856	5.28039	3.58989	6.09071	5.16562	4.7519	4.66581
KRT13	6.62048	9.36057	7.79044	8.26769	10.2039	9.20378	9.91148	10.1088	9.3797	3.3263	10.8808	8.71883	8.47869	10.9989	10.2415	6.6686
KRT14	8.48955	8.32521	6.85308	8.92045	6.6608	7.01052	10.0139	7.80863	5.68373	10.9359	12.0385	6.49439	6.0929	4.29638	6.04278	3.6454
KRT15	10.9946	10.3399	10.4068	9.94907	11.6449	11.8106	12.0147	8.5825	11.5105	9.38383	8.62725	11.8369	11.0289	11.768	11.468	8.65511
KRT16	3.89772	4.5714	2.48448	3.6256	6.24434	4.2936	10.7652	3.08616	4.3125	3.93408	10.1246	5.29643	7.11651	10.509	9.01348	4.35788
KRT17P5	6.08915	4.44401	3.55141	3.08274	2.58828	3.54848	4.19082	3.10948	2.67969	2.69205	4.73761	4.86859	3.14193	5.93474	3.9523	2.90822
KRT18	11.063	9.56952	8.54777	9.62568	9.28935	9.58269	10.4989	7.79216	8.80034	10.783	8.18415	9.42515	8.52058	11.5206	8.17578	9.15554
KRT19	8.11737	7.51042	7.31427	7.6443	7.15085	7.66991	7.68134	6.48089	7.67291	7.88823	7.75007	8.06678	7.33274	7.18095	7.19719	6.387
KRT19P2	4.44608	4.71747	5.45881	3.44117	5.64455	4.77116	3.29192	3.55509	5.039	4.78962	4.9748	2.29689	4.24814	4.95231	2.23945	4.94543
KRT2	7.13353	6.86948	6.92366	6.56474	7.75853	6.61345	8.34337	7.55351	6.74365	6.6596	5.62336	7.00451	6.91333	8.76316	6.6942	6.85727
KRT20	6.39845	6.31064	6.04194	6.6346	6.07218	6.20059	6.29926	6.2997	5.95207	6.2628	6.51704	5.66243	5.36439	6.71904	5.64618	6.45727
KRT222	4.32672	4.63315	5.74348	5.69394	4.89474	5.58532	5.13968	4.69418	5.33725	4.58104	5.01527	4.90301	4.69482	5.32123	3.96094	3.49001
KRT23	5.59425	4.32699	6.26517	5.12882	2.76484	2.34348	4.3989	4.50182	4.72987	8.73312	7.66306	3.00642	2.36805	3.73088	4.11491	2.59102
KRT24	6.67837	6.60667	6.89281	6.73228	6.93425	6.57211	6.50096	7.90591	6.31307	6.74657	9.33697	5.6703	6.63633	5.78941	6.38477	6.50896
KRT25	6.21501	4.81915	3.79162	5.34551	5.90579	5.54219	3.45602	3.8281	3.00175	6.47575	3.84453	5.93682	6.20535	5.98945	6.09786	3.45478
KRT27	3.14636	3.45279	3.22117	2.36312	3.03309	2.83735	2.96225	2.88789	2.5663	2.47565	3.35206	2.8813	2.5663	3.18151	2.9127	3.07505
KRT3	5.85355	6.52695	6.52767	5.86647	5.9848	4.38727	7.06066	6.32627	5.96332	6.26461	6.74735	6.16231	7.73058	5.40633	6.2284	6.01401
KRT31	6.06651	5.7174	6.53725	5.46928	4.77053	5.66816	6.85126	6.66787	5.30524	6.34698	5.98336	5.19674	7.1037	7.69724	5.84548	6.26933
KRT32	3.06503	3.23142	2.99564	3.52553	6.34334	3.09851	2.78886	3.15288	2.64558	2.77263	2.64984	4.85676	5.12757	5.57489	3.08134	2.67577
KRT33A	2.40819	3.78714	4.84165	3.3738	3.55491	3.09851	2.70047	3.91364	3.31034	4.67521	3.76737	4.01677	3.38837	3.7466	3.44194	3.55993
KRT33B	3.33951	3.71942	2.99564	3.35104	2.89774	3.11933	4.12999	3.19037	4.80597	3.98113	4.15044	3.36359	3.47767	3.19708	3.59615	3.4643
KRT35	3.04535	4.89182	5.32994	3.32481	4.87854	4.76146	5.28718	5.54093	5.25322	5.09778	4.65546	4.68011	6.45819	3.87671	5.59237	5.09761
KRT36	2.04089	1.54402	0.89696	1.06683	3.81865	2.18538	1.37571	2.91144	1.45473	1.96807	3.23213	1.44837	1.86408	2.51368	1.6611	1.45205
KRT37	5.36845	6.00448	5.63471	6.21106	5.23646	4.72913	5.26618	5.98826	5.58889	6.09071	6.27556	6.09917	6.19705	5.45508	5.66533	5.67081
KRT38	6.20362	6.56837	6.67304	6.31099	5.92045	6.14618	5.68863	6.35819	5.22807	4.03381	5.77379	6.20935	6.43689	6.4064	6.19975	6.42997
KRT4	6.43637	8.0026	3.18813	4.88716	6.11635	5.32774	4.97252	6.76694	3.29459	5.75337	7.36252	4.06894	3.32744	4.92302	3.54594	3.77859
KRT40	5.93474	5.50079	4.42298	3.83387	4.40301	4.31266	3.52708	4.06388	3.59987	3.83857	3.89749	2.78067	3.76249	3.45942	4.07262	4.26185
KRT5	10.4989	10.6372	10.4362	10.1456	11.741	11.9441	12.4376	9.98406	11.7733	10.389	11.7002	11.9171	11.2015	12.1851	12.0385	7.87248
KRT6A	4.22576	10.0518	8.32337	7.05429	7.99783	8.63076	12.1851	10.3765	9.10357	6.42722	12.7145	8.93763	8.71458	10.5954	8.38598	3.08868
KRT6B	6.58522	6.5782	6.34789	6.16466	6.62977	6.30834	7.91731	6.86436	6.63235	9.5293	10.9531	6.27377	6.84318	8.59875	6.18996	4.61007
KRT7	6.67737	6.48947	6.03295	5.6657	5.8361	6.14279	5.8509	6.3979	5.81553	6.70066	6.22183	6.22736	5.82554	6.00128	5.84854	5.72269

KRT71	3.62466	3.61956	4.13154	4.1487	3.87693	4.01812	3.92606	3.31083	4.2082	4.19403	3.85459	4.2645	4.68584	2.97219	3.95895	3.42878
KRT72	3.25147	3.03524	3.15379	3.60342	4.92078	3.97251	4.03876	4.55949	3.87677	3.99153	3.46534	6.88541	3.60262	5.15309	3.32134	4.59445
KRT73	2.18711	2.93574	3.08379	3.85318	4.15464	3.1937	4.9537	4.20465	3.88289	2.96518	3.52647	3.57431	4.45813	3.64074	3.47019	3.4402
KRT74	3.42132	3.58961	3.65314	4.48242	4.36824	3.80815	4.3447	3.42081	3.51777	4.17614	4.57415	4.978	4.90758	4.8012	4.53581	4.28545
KRT75	4.23422	6.05809	6.48767	3.83907	5.02465	6.27405	5.66827	4.03022	6.63564	5.81455	6.32256	6.47077	6.31854	6.3934	5.68755	4.04867
KRT76	2.79297	2.26456	3.46771	3.13915	2.1445	2.51251	2.45415	3.8281	4.79613	2.31329	2.36593	3.10037	2.6465	2.48051	2.79339	3.01871
KRT77	5.2531	4.91088	4.8059	5.9893	5.68081	5.13815	6.96702	5.41625	5.27854	5.72477	5.30084	5.71623	6.01907	7.14173	5.49177	4.45493
KRT78	3.89481	4.36688	4.382	3.91161	4.1032	3.81899	4.51193	4.39311	4.33979	5.24965	6.55414	4.45813	4.48242	4.91676	4.23481	4.2388
KRT79	5.18934	3.6843	4.87214	3.30112	3.18522	3.01096	4.4903	5.27102	3.06765	5.18249	4.20991	3.49365	3.47767	3.41704	4.72967	4.51771
KRT8	9.39808	8.71787	8.39851	8.46765	8.68785	8.97278	8.29514	7.61787	8.61815	10.1401	7.90044	8.77851	8.40005	10.3792	7.95543	8.04887
KRT80	5.14061	4.05789	4.9891	3.83907	3.32431	3.24275	7.62791	4.23662	3.97161	4.70305	6.54251	2.69934	3.34323	5.05858	3.29289	3.52431
KRT81	4.25043	5.70611	3.97828	6.07592	5.0677	6.16175	5.11637	4.99236	6.23376	7.36129	8.11103	6.0877	6.19705	4.41097	4.71122	4.50598
KRT82	7.08461	7.23822	7.35149	7.6652	7.10034	6.9911	6.95493	7.98438	7.09069	7.58901	7.05087	7.26649	7.19639	6.85935	7.29519	7.02532
KRT83	2.37329	1.91586	3.83335	3.66594	4.67688	3.63988	5.49899	3.90071	3.94629	3.93408	3.45744	3.68084	3.85528	3.92481	3.76841	3.12132
KRT84	2.53024	2.36797	2.91679	2.88071	2.42207	2.45459	3.35187	3.43351	2.76258	2.23712	2.21379	4.3216	3.0877	3.75913	3.26899	2.10224
KRT85	2.89649	3.67703	3.65613	3.57686	3.07162	3.96435	5.52799	4.20991	4.18653	3.57327	3.32655	3.65608	4.12996	3.14828	4.00119	4.62964
KRT8P12	5.42618	5.76856	6.07229	5.32654	6.35998	6.29809	5.50277	6.20437	6.22045	6.75444	6.62279	5.82281	6.55834	6.64424	5.83661	6.5839
KRT9	6.21237	6.39896	6.62758	6.34219	3.16569	5.74934	7.71233	3.55509	6.50689	5.92461	6.19189	6.16815	7.21202	5.90062	6.07822	6.20158
KRTAP1-	2.61145	2.84393	2.14348	2.55745	3.0533	2.07394	3.2194	2.30474	5.12426	1.87612	3.29289	3.4402	3.54537	1.27177	2.14289	3.23061
KRTAP1-	3.35919	4.25647	2.58128	3.74466	3.8144	3.42552	3.78894	3.09909	3.19844	2.55833	3.41378	3.41869	4.24417	3.71242	3.67359	4.22546
KRTAP1-	5.77804	5.45118	5.21903	4.93594	2.85371	5.76458	6.01459	5.74912	5.49837	6.06084	4.69677	6.17087	5.99542	2.79431	6.00927	6.24835
KRTAP1(	6.69863	6.76951	5.03262	7.38189	6.74566	6.87781	7.22574	7.57115	6.64563	6.62386	5.40071	7.28019	6.95599	7.39051	6.97003	6.94552
KRTAP1	2.81334	2.95972	2.11428	2.52969	2.97095	2.45459	2.83966	2.52957	2.97568	2.01376	2.99709	2.97562	2.49591	2.62575	2.67357	3.37025
KRTAP1	6.77117	6.81085	6.6127	7.48119	6.98991	6.89843	6.98629	7.25431	6.64383	6.58211	6.92903	6.48488	7.04039	6.69937	6.96702	6.73081
KRTAP1	2.44059	3.59749	3.391	3.74939	3.9057	3.5856	4.21561	3.27157	2.35886	2.93344	3.37552	3.61408	2.17097	3.49255	3.37408	3.6935
KRTAP1	3.11441	1.71163	2.59102	2.34348	5.03304	4.69149	3.55696	3.88575	1.81152	2.50603	1.26375	3.73633	6.97084	1.6809	2.59102	3.88705
KRTAP1	5.8404	6.28889	6.19616	5.12521	5.49029	5.40929	4.55321	6.04567	5.48754	5.89084	5.36903	6.35103	5.60685	3.9369	5.65551	4.61466
KRTAP2-	3.26635	4.00768	2.8391	5.14188	1.73976	4.22923	5.39211	5.64861	4.79613	5.03122	1.87674	3.07028	2.49591	1.5436	2.54889	2.53538
KRTAP3-	3.33951	3.85394	3.25331	3.51493	3.60374	3.35168	3.68625	4.06126	3.46459	3.66644	3.32655	4.22176	3.95924	3.55944	3.79392	4.04011
KRTAP3-	5.34118	5.75554	5.60339	5.68888	4.84049	4.74589	5.35053	5.47546	4.60738	3.72029	3.62297	4.58543	5.11124	5.33833	5.89757	3.32854
KRTAP3-	0.73695	4.40668	3.77762	0.90097	1.73976	3.98206	4.23557	2.13755	4.80597	2.83032	4.88503	4.22754	4.32095	2.18939	2.07498	2.4155
KRTAP4-	5.10345	6.43116	5.38359	6.2742	5.47955	5.80045	7.27909	6.45975	6.01437	5.8076	5.28273	6.30769	6.52377	6.25888	5.97157	6.79281
KRTAP4-	5.30988	3.23142	6.00079	5.82803	4.33348	4.71174	6.36841	5.61655	5.09372	5.61368	4.67236	5.62225	5.58168	6.83647	5.03455	6.23843
KRTAP4-	3.59987	3.71942	3.43133	3.61465	3.60374	3.68688	4.70432	3.8281	3.31034	3.91319	3.65202	4.25792	3.46411	3.58891	3.26899	4.73027
KRTAP4-	6.21786	6.77908	6.65525	7.41461	5.46952	6.94198	6.72335	7.45055	6.84076	6.08344	6.90246	6.87459	6.49365	6.31925	7.32289	6.32291

KRTAP4-	5.7287	5.66145	5.90087	6.10744	6.13292	5.02328	5.93642	5.71747	4.98208	6.33487	5.93676	5.80184	5.26233	5.80121	5.53303	5.75818
KRTAP4-	4.9403	3.59749	5.36713	5.73742	5.58598	4.60034	5.66468	5.6453	5.51033	3.02948	6.24092	4.18135	6.37128	5.23942	5.88021	5.75818
KRTAP4-	4.14888	4.65407	4.62423	5.29187	4.67141	4.92233	5.78423	5.10351	3.87677	4.51316	4.15843	5.96795	5.13109	3.99364	3.74409	5.03019
KRTAP4-	1.96392	2.21392	3.57935	4.81755	2.97095	4.48115	4.6921	1.83717	4.42376	2.80132	4.17832	4.57959	5.39578	3.75913	4.14453	3.39583
KRTAP4-	6.84283	5.93216	5.95819	6.17887	5.9848	6.43785	5.92806	6.18589	5.87508	6.38529	6.02333	6.08644	6.49365	6.07813	6.88191	6.5267
KRTAP4-	5.0773	6.05999	4.72271	6.43834	6.00856	6.01466	6.31876	5.89117	5.61701	6.43759	6.26973	6.18489	6.83799	6.39199	5.98264	6.05702
KRTAP5-	3.91761	2.44316	3.57935	3.21843	2.50418	2.42212	3.18384	2.8638	3.88943	3.02948	4.25636	2.89774	4.29511	4.08394	2.49591	4.1998
KRTAP5-	4.27584	4.35931	3.9636	4.09864	3.66644	4.26501	4.3989	3.88575	4.30345	4.55142	4.49355	4.08601	4.38612	4.64607	4.08763	4.60548
KRTAP5-	2.98506	2.86158	2.77497	2.92162	2.81309	3.50802	2.98815	2.67421	2.70734	2.85867	3.12278	3.33905	2.94778	2.82083	2.9127	2.90822
KRTAP5-	5.1853	4.57057	4.58508	4.15843	4.73947	4.7864	5.50898	5.29139	4.81528	5.13399	5.47823	5.23178	5.2818	4.53252	4.56757	4.89915
KRTAP7-	5.83426	5.80184	6.60593	5.86647	6.17775	5.49311	6.12515	5.99457	6.22548	6.61785	6.47791	6.12493	5.84195	6.07154	6.1524	6.52531
KRTAP8-	6.43526	6.70136	6.65074	6.95066	6.35143	6.70023	6.17352	7.19321	6.7284	6.68077	6.74984	7.27556	7.34315	5.74649	7.1342	6.93962
KRTAP9-	3.04535	2.29438	2.44429	3.04143	2.44843	2.53476	2.73211	2.78286	2.95663	2.75002	2.73426	2.91196	2.7752	2.51368	2.26702	2.22886
KRTAP9-	4.93295	4.60868	3.79811	5.37588	4.7864	2.76484	3.98737	3.47335	5.37446	4.21305	3.20659	3.0573	3.32016	4.72987	4.28189	2.82844
KRTAP9-	2.47437	2.61396	1.4899	2.0998	2.44843	2.39513	3.00912	2.61382	3.00175	2.75002	2.43603	2.69934	2.81611	2.09344	2.70965	2.36473
KRTAP9-	2.53024	2.26456	2.39414	2.83422	4.16584	2.42212	5.06647	2.40011	2.58986	5.05621	3.74792	3.405	2.46016	2.51368	1.40126	2.76844
KRTCAP	7.94301	6.38016	8.08201	7.9141	7.31824	8.48815	8.52934	8.06265	7.9568	7.95894	8.15094	7.58939	8.09817	8.3687	8.02106	6.81715
KRTCAP	8.6757	7.3725	7.40094	7.66727	6.47656	6.88208	8.18753	7.53373	6.70524	8.84803	6.16413	9.01134	7.69972	8.96715	6.87241	8.83956
KRTDAP	2.81334	3.06378	2.79272	2.50291	2.10233	3.09851	4.38384	3.13235	3.2065	3.02948	8.66183	3.18013	1.63986	3.10839	3.08134	3.31065
KSR1	4.45488	4.63503	4.8731	5.26424	4.90267	4.79518	5.52984	4.78121	4.87023	4.63503	5.2073	4.55848	5.31156	5.2156	4.60099	4.95585
KSR2	5.05935	5.30913	5.18766	5.37458	4.46421	5.2325	5.41634	5.51686	5.67382	5.46878	3.25228	5.57483	5.39962	5.4251	5.45776	4.73947
KTN1	10.9279	10.0552	10.4743	10.6426	9.32342	9.95833	10.2257	9.71962	9.6193	9.78359	9.64158	10.0051	9.86381	9.32342	9.90653	9.88929
KXD1	5.76151	5.56484	6.15738	4.46077	5.36392	5.05229	5.74329	5.63647	5.13206	5.28812	5.1755	5.88181	5.59274	4.97356	5.8274	6.12507
KY	4.60464	5.00335	4.61007	4.66254	5.41283	4.63208	4.54107	4.70419	4.27723	5.43394	4.21365	5.03438	4.41443	4.69418	4.74575	5.75636
KYNU	5.86958	7.21144	6.51441	6.26776	6.64649	6.22344	4.5782	7.06319	7.06066	5.18934	7.23978	5.74852	9.19651	5.90923	5.93474	8.64113
L1CAM	4.18777	3.67007	3.24005	4.36795	4.77515	4.62955	4.54346	4.11765	3.5789	4.71408	3.26154	4.81291	3.97184	4.3419	4.6265	4.06555
L1TD1	4.51245	5.23178	4.14195	3.71405	3.70785	4.71933	4.12592	4.05092	3.97873	4.97661	4.62974	3.7606	5.24995	4.24629	4.77693	4.87464
L2HGDH	4.72596	4.9244	5.88242	6.08596	5.69771	5.38104	5.78012	5.69083	5.79319	5.04544	4.59056	5.10708	4.71089	5.28471	4.91313	5.23969
L3HYPD	6.12533	5.51248	6.36107	6.31515	6.44283	5.71355	6.93431	7.2358	6.24391	5.94565	7.3965	7.01792	6.57244	6.64834	6.33877	6.52531
L3MBTL	4.90822	5.18831	5.3317	5.50389	5.4251	5.30442	5.69638	4.74035	4.99636	4.8047	5.01929	5.8431	4.95192	5.89999	5.02145	4.7155
L3MBTL	6.06289	6.20767	6.19375	6.29363	6.0728	6.55182	6.14859	6.48848	6.19634	6.37431	6.70731	7.68484	6.62898	7.01792	7.20472	7.10829
L3MBTL	7.13353	6.70439	6.8206	7.34921	6.88048	6.51248	6.81021	5.85352	7.16078	6.78707	6.77486	6.08191	6.13014	5.97437	6.55623	6.29126
L3MBTL-	6.37458	5.54011	6.6142	6.23856	6.85261	6.53782	7.1297	6.98629	6.03515	5.14382	6.29513	6.86192	7.28538	7.36788	7.44901	7.45787
LA16c-35	3.71123	3.88198	3.15379	4.32526	4.01874	4.07245	5.44563	4.04879	4.01633	4.55142	4.20991	4.61987	3.55868	4.21305	4.54565	3.39583
LA16c-38	3.74737	3.6843	3.72982	4.41415	3.81865	5.50829	4.01749	3.61778	3.82945	3.8429	2.93839	3.81618	4.4044	4.39545	4.27526	4.02973

LA16c-38	4.84742	6.34155	5.98061	5.09328	6.17554	4.2803	5.12739	3.93793	5.92206	5.91108	6.21558	4.85258	6.02198	4.48643	5.12503	5.19512
LA16c-38	2.77283	3.85394	3.54384	3.5907	3.68084	3.68688	3.39293	3.71916	3.6792	3.92077	2.99709	2.69934	2.96494	3.8419	3.50176	3.1481
LA16c-39	2.16905	2.04582	2.33881	1.93131	3.03309	1.95254	5.16804	2.70064	3.29007	1.96807	2.68367	2.24796	1.93701	2.48051	2.65173	2.94176
LA16c-39	3.00675	3.50584	3.95827	3.13915	3.35289	3.22527	3.0573	3.49069	2.93758	4.03381	3.16885	2.83233	3.49323	3.26302	3.08134	3.60117
LA16c-83	3.41112	3.12278	3.42172	3.1994	3.9057	2.76484	2.90726	3.41422	2.61941	2.19868	2.43603	4.11653	3.65598	3.05474	3.68625	3.95427
LACC1	5.30787	6.09232	6.45143	6.13852	6.50907	5.9271	6.36727	6.19919	6.28712	6.1546	6.49283	6.089	6.55009	6.42156	6.60701	6.35595
LACE1	4.25972	4.88779	4.66469	3.99573	5.30158	5.14507	5.15634	5.00061	4.76205	4.74543	4.64753	5.49629	5.363	4.5224	4.76747	5.07366
LACRT	4.24384	3.64857	3.69005	5.88704	3.56794	4.91415	3.35187	4.10002	3.66585	6.07564	3.83893	5.96143	5.40574	5.83775	4.45395	2.90822
LACTB	5.11427	6.00252	6.48805	4.39778	6.50491	6.43147	4.99833	6.90423	6.42707	5.07091	7.56639	5.36981	6.60677	5.78176	6.46578	6.28755
LACTB2	7.32104	7.62491	7.64917	7.93861	7.77471	8.01278	8.72194	8.049	7.5111	6.18222	7.27186	7.06749	7.94023	8.98405	7.47068	8.95773
LAD1	6.10582	6.00043	5.86136	5.3422	5.99118	5.34643	6.03336	5.54631	5.62286	6.43593	6.12863	5.1084	5.96858	5.95367	5.71685	6.05835
LAG3	6.63771	7.38734	7.92486	6.36695	7.22593	7.53935	7.35865	8.14717	7.25884	6.60482	7.62838	7.9855	7.77591	6.88841	5.79997	7.77339
LAGE3	9.09551	9.2593	9.20282	9.31971	8.31951	9.77064	9.43496	8.94055	9.80078	8.66768	9.11102	10.2374	9.57938	9.31635	9.00061	9.01959
LAIR1	5.35812	5.92734	6.42617	6.26791	6.39062	7.27669	5.6018	5.96804	6.26604	5.78176	7.57624	6.5877	6.75718	5.56396	5.93403	6.35611
LAIR2	5.85869	7.21589	7.05993	7.86145	7.74992	8.26067	7.55185	8.00232	7.71824	4.98208	7.54401	7.99341	8.06572	6.69937	7.90573	7.17515
LALBA	3.11441	3.99153	2.56774	4.11572	3.07162	2.15563	2.75954	2.91144	2.50218	3.25068	3.30436	2.89774	3.0877	3.34999	2.56931	2.4155
LAMA1	2.57215	2.70316	2.69458	2.66614	6.66527	5.07619	2.79595	3.32134	4.24336	4.69861	2.64083	4.61825	2.85784	4.52416	4.57499	2.68324
LAMA2	5.0289	5.83219	6.36658	5.78857	5.35346	5.52025	5.92522	5.91125	6.03535	6.05758	6.01189	5.96919	5.18206	5.86835	6.58787	5.54853
LAMA3	6.25165	6.48246	5.95087	5.84712	6.14099	6.27174	7.28473	7.10875	6.28298	6.20181	6.29537	6.18661	6.64551	7.6407	6.38596	6.8319
LAMA4	5.11309	5.63419	5.7941	5.67978	5.4597	5.50296	5.6699	5.66409	5.63112	5.54898	5.80309	5.73512	5.7454	6.2126	5.90489	5.69861
LAMA5	8.66851	8.29592	8.17272	8.47001	8.54172	9.29432	8.36944	9.15119	9.31511	8.92473	8.32269	8.89896	8.80034	9.09718	8.21672	8.31755
LAMA5-4	3.91761	4.08141	3.81806	3.61465	3.46884	3.73699	4.34027	3.81494	4.00589	4.61747	3.62297	3.58062	3.60262	3.86642	3.97261	4.39898
LAMB1	5.19179	5.80344	7.39737	4.58884	8.21223	7.76557	6.4165	7.2685	7.78682	7.96074	7.3133	7.01847	6.14565	5.56236	8.07186	7.54252
LAMB2	8.47782	7.23648	8.15886	7.65049	7.10703	7.77539	7.9954	8.06065	7.44413	9.75247	7.54261	8.84762	6.08585	6.12115	7.17176	6.93297
LAMB2P	6.46724	4.74319	5.73862	5.42404	5.66533	5.41963	5.51451	6.91979	5.70095	5.7037	5.25807	6.68752	4.52811	5.76839	5.62812	5.31404
LAMB3	8.39908	7.3363	7.48154	7.74821	9.46771	9.30247	9.52648	7.89329	9.08242	8.62607	8.1885	9.26363	8.1411	10.1516	9.07296	7.89942
LAMB4	3.92267	3.83039	4.55979	3.91906	3.77659	3.57809	3.94359	4.22464	3.97955	3.97409	3.76228	4.05603	3.62206	4.13444	3.99724	3.55696
LAMC1	7.45485	7.47778	7.97768	7.1885	8.44895	8.85744	8.13666	7.69422	8.434	8.81989	7.57667	7.46153	8.02537	7.85642	7.97532	7.98209
LAMC2	7.32176	7.13673	6.96582	6.76772	7.11194	7.80799	7.72774	7.76969	6.72393	6.77786	7.53191	7.02199	7.25884	7.92068	7.54819	7.66951
LAMC3	5.54011	5.27518	5.63729	5.4498	3.8951	5.59319	4.9403	5.91315	5.22442	6.21158	4.95856	5.3635	4.53105	4.93282	5.31988	5.09913
LAMP1	8.32414	8.3014	8.35203	8.27473	7.63463	8.82067	8.65782	8.51199	8.57592	8.74446	8.33807	8.57166	7.67515	8.42736	8.22214	8.05282
LAMP2	8.89519	8.68454	9.49286	8.88035	9.63482	9.82582	9.72612	9.38907	9.31733	9.80516	9.12823	8.46911	9.00325	8.71228	9.58085	9.08007
LAMP3	8.59531	9.5326	9.82345	8.81664	10.2496	8.9537	8.13058	10.3441	10.4209	6.90986	9.08007	9.00702	10.7017	7.95593	10.4989	10.4094
LAMP5	5.24098	7.90882	7.26232	6.91101	6.36778	6.26758	4.31322	5.23337	7.21647	6.11917	4.16718	7.68616	7.39296	4.24417	6.75022	4.34302
LAMTOR	8.15714	8.89725	7.89679	8.20591	8.42766	8.93046	8.16657	8.21783	8.62685	8.33905	8.69194	8.9973	9.2593	9.08658	8.4102	8.51477

LAMTOF	7.32054	7.6183	7.12385	7.29944	7.00147	7.50513	6.87531	7.32289	7.54616	7.28032	7.41405	8.21644	8.31583	7.53498	6.92615	7.7899
LAMTOF	7.22538	7.30834	7.66991	8.02589	8.16518	7.95951	7.37995	7.56065	7.16126	8.01409	8.2507	6.85775	8.38789	7.52519	8.18506	7.82021
LAMTOF	9.6967	9.66572	9.14677	9.6978	8.66724	9.19798	9.09718	7.82305	9.09316	9.18179	9.42515	10.2496	9.54936	9.1358	9.22889	9.67862
LAMTOF	10.0103	10.4028	10.4883	10.8054	9.84358	10.617	9.90298	8.97745	9.39668	9.43176	10.1981	10.8711	10.1088	9.55682	9.36239	9.58085
LAMTOF	7.419	6.5054	4.83835	5.87754	5.72137	4.99785	6.12808	6.46837	5.19903	5.97535	6.34906	5.23346	6.71324	5.80421	5.16539	6.10352
LANCL1	7.35181	6.76443	7.25736	7.25662	7.56562	7.52876	8.07629	6.80263	7.92317	7.34167	6.59641	6.76443	8.24244	7.23672	7.86265	8.3496
LANCL2	7.08687	7.49719	6.79573	6.82917	7.66756	7.18281	7.10271	7.02171	7.02701	6.95444	6.61659	7.03429	6.99123	7.20856	7.60613	7.65794
LANCL3	4.45919	5.61501	5.66737	5.87195	5.60769	5.63393	7.78519	4.24814	5.62571	6.09515	5.37493	4.22176	6.62571	6.37294	5.20337	7.3395
LAP3	9.62568	10.2527	11.5206	10.3228	11.0825	10.0029	9.11315	10.4412	10.6273	9.55408	11.9804	10.032	10.2444	9.63482	10.3441	10.3269
LAPTM4	11.602	11.3844	12.0628	11.5751	11.3913	11.468	10.1456	9.84759	11.1818	11.7815	11.4345	10.8668	10.7267	10.6253	11.174	11.0928
LAPTM4	8.27215	8.29749	8.58048	8.14368	8.81129	8.44024	9.40867	8.74814	8.71319	9.03229	8.58931	8.42856	9.37708	9.79789	8.14909	8.39965
LAPTM5	9.38055	10.8356	10.5062	10.1153	10.4094	10.0495	8.96842	9.38206	10.6075	9.49156	10.2856	10.2398	9.97929	10.0495	10.1246	10.1516
LARGE	3.71713	5.49973	4.5349	3.6948	6.00809	5.51666	4.17392	3.44368	5.04222	5.15309	3.83335	5.57221	5.38803	5.16446	4.83068	5.41821
LARGE-A	2.93934	2.80132	3.03267	3.20866	2.95859	3.94226	2.89287	2.63094	3.05368	3.3373	3.17553	3.28689	2.67868	3.6792	3.391	3.51672
LARP1	5.84429	5.66058	5.65971	5.46016	6.01426	6.4158	6.88287	6.0536	6.74577	6.40819	6.31288	5.93748	5.87972	6.76219	6.44275	6.52236
LARP1B	6.02997	5.88242	6.74201	6.35819	6.39685	6.06525	5.73452	6.58459	6.22736	7.14383	6.16097	5.34613	6.04314	5.87229	6.03639	6.74597
LARP4	5.09878	5.38391	5.44017	5.13629	5.35044	5.02507	5.2306	5.79509	4.60422	5.40272	5.26934	5.09101	5.09749	5.43578	5.26311	5.50032
LARP4B	5.56253	5.14507	5.40426	6.1223	5.23842	5.40541	5.77447	5.94133	6.11992	5.17906	6.13121	6.42113	5.52262	6.05696	5.96464	5.26572
LARP6	6.31578	6.50632	5.78564	6.09786	6.00571	6.14565	6.60354	6.54823	6.07836	6.53843	5.92139	6.71149	6.80448	6.99189	6.00667	5.99814
LARP7	6.35513	6.11714	6.45718	7.09732	6.66446	6.54977	6.27603	6.37168	6.7557	7.09549	6.60609	6.27726	6.15065	6.44056	6.92337	6.34562
LARS	7.68328	7.18251	7.6481	7.21883	7.35953	7.35652	8.03012	7.97302	7.56707	7.81868	7.47911	7.25662	7.73373	7.73968	7.81046	7.93177
LARS2	6.46662	6.45189	5.11171	5.80674	6.37709	6.3909	6.68135	7.60636	6.52517	6.53593	6.79938	5.12155	6.47731	6.4483	6.39586	7.24339
LAS1L	6.72182	6.57453	6.34004	6.67644	6.16976	7.27323	7.43628	5.62406	4.88353	5.79242	6.2736	6.76041	6.32085	7.36564	6.76466	6.75806
LASP1	9.92568	10.8755	10.9279	10.6733	10.9018	10.6273	9.40713	11.3155	10.908	10.4068	10.6031	10.9946	9.99653	10.163	10.7222	9.61231
LAT	7.57258	8.26232	8.53182	8.65511	8.62008	8.97416	7.18152	8.40549	9.51986	6.52034	8.36471	9.74251	7.79351	6.62705	8.09695	8.07286
LAT2	5.71411	5.67516	6.22501	5.99529	5.62113	5.55777	5.34934	5.93474	6.13485	4.94752	6.68061	6.16548	5.49777	5.09913	5.12697	5.59206
LATS1	5.7905	5.64024	5.69269	5.93291	6.15941	6.26444	5.89327	6.59011	6.16152	5.93689	5.89071	5.35106	5.21352	6.04656	6.17008	5.99025
LATS2	5.66258	5.75357	6.41511	5.94974	4.92321	5.98436	5.57367	6.16862	6.04073	5.89353	6.0402	5.57083	5.59792	5.82328	5.54288	5.66806
LAX1	7.44587	7.72349	9.3797	8.38415	7.39178	7.79314	7.1855	8.8053	8.05692	8.47529	7.25023	8.5278	7.04911	7.17757	7.44259	6.8277
LAYN	7.22669	6.1544	5.66789	5.65011	5.68495	5.95026	5.88826	6.78681	5.37997	5.55145	5.92167	6.66656	6.60609	5.1487	5.91215	5.79691
LBH	8.16934	9.25156	8.77241	9.0105	8.8333	7.98242	5.81987	7.40722	9.22173	8.50939	8.32089	9.48206	7.21742	7.68887	8.86149	7.74922
LBP	3.99858	4.42363	4.96649	3.5199	4.99958	3.95816	3.72694	4.05284	4.26278	2.70592	3.81743	5.04437	4.50197	3.60684	3.74742	3.3365
LBR	9.71435	9.99653	10.3074	9.90298	10.5225	10.7755	10.8668	10.0856	10.2825	8.63198	10.7996	9.53392	10.2257	9.88284	10.2771	9.98814
LBX1	0.9979	1.09002	1.4899	0.90097	1.20215	1.42001	0.75071	1.22235	1.26079	1.35594	0.99002	1.07852	1.18021	1.36152	1.31925	1.42001
LBX1-AS	1.44194	1.58173	0.9957	4.03862	2.33881	0.49837	3.93793	1.91261	1.00765	1.00522	3.54938	1.54854	3.88172	2.13594	1.26858	1.42001

LBX2-AS	3.70138	3.6935	3.65613	5.84845	5.01197	3.74792	2.78886	5.26099	3.38569	3.00855	6.12053	5.07937	5.6046	4.21305	3.26899	6.34361
LCA5	6.2422	4.27105	4.60548	5.70807	4.63984	4.94079	4.35267	3.36559	4.10265	4.82547	4.16994	4.17154	4.88779	4.67128	4.62341	4.41476
LCA5L	7.84487	6.56207	4.69821	6.90527	5.74699	5.06879	5.91096	6.11122	5.53587	5.45382	5.71853	6.03535	5.88871	5.17427	5.42686	5.81537
LCAT	3.29168	2.09743	2.38894	2.20091	2.31832	2.58692	2.74465	2.31873	2.69832	3.01834	2.6399	2.18677	2.09608	2.9008	2.44991	2.47174
LCE1B	3.78698	6.7678	6.43385	5.78951	6.37502	5.91118	6.7147	6.71149	6.2519	6.56491	6.02333	6.44906	6.81414	7.73143	7.01469	5.60033
LCE1E	7.08361	7.08736	6.14001	7.07143	7.06144	7.059	7.77814	7.19897	6.63193	7.16727	7.52876	7.44541	7.73284	7.63966	7.64388	7.27047
LCE2B	1.74742	3.36509	2.3147	3.1994	2.50418	1.36658	2.73211	2.46648	4.15582	2.77263	3.45096	2.34474	1.73296	1.64103	4.19275	2.5569
LCE3D	6.23145	5.95223	6.26004	5.70272	5.43669	5.94244	6.35231	6.25369	6.46428	6.33487	6.47159	6.86411	6.34875	6.48293	6.03795	6.0554
LCK	5.49937	7.92317	7.72037	7.82828	8.30348	7.38189	4.91905	6.04297	7.94485	4.62043	8.01968	9.19156	7.08736	6.64563	6.88841	7.3511
LCLAT1	8.53091	7.9765	8.21192	8.25096	8.33456	8.25692	8.44151	8.35376	8.38943	8.60404	8.23881	7.49996	8.39139	8.40816	8.48222	8.4102
LCMT1	8.72483	8.7206	8.25123	8.48329	8.77123	8.7811	8.59168	9.06348	8.98153	8.70529	8.54726	8.24533	8.96961	9.4567	9.24769	9.47711
LCMT2	5.62571	5.3258	6.51878	5.01102	4.50716	4.76965	4.47233	6.35153	6.10912	6.80111	5.70907	5.03887	5.47823	5.63833	5.6255	6.02339
LCN1	3.64066	3.71031	2.56774	2.50291	1.88842	2.45459	4.96563	3.27157	2.28837	4.81582	5.05683	4.2698	2.75699	5.24887	4.41729	3.97214
LCN10	6.69536	7.63682	6.70707	7.6884	7.29172	7.04514	7.20191	7.57009	7.15085	7.89992	7.06726	7.60636	6.19415	6.94509	7.3332	7.16136
LCN12	5.94789	6.65595	6.29994	6.36848	6.3927	6.75383	6.26387	6.46606	6.45211	6.17716	6.30615	6.43414	6.72676	6.82376	6.18553	6.64176
LCN15	6.13578	6.3949	5.31649	6.28914	5.47507	6.13597	4.90633	5.65668	4.43347	5.16393	5.22666	5.11486	6.76152	5.77062	6.01839	4.04011
LCN2	10.7134	11.3436	10.8668	10.0365	7.90928	7.67492	7.27047	8.87415	9.62162	12.6407	8.73887	7.91692	5.72094	6.63146	7.04258	7.15863
LCN6	6.62448	7.68357	7.44942	7.42706	7.01223	7.20671	7.29078	7.91216	6.6694	7.21462	6.95994	7.46488	7.58677	7.26997	7.63101	7.49816
LCN8	5.64618	7.00137	6.69111	7.0263	6.4978	6.15646	6.03318	5.8773	6.32627	5.73566	6.3267	6.91249	5.83196	6.4057	6.60518	6.86411
LCNL1	2.82441	2.86866	2.98922	2.83422	2.95827	2.91928	2.97568	3.42132	3.72049	3.06097	3.26332	3.39411	3.07861	3.20291	3.14542	3.23403
LCOR	7.87079	7.75007	8.02477	7.96108	8.30082	7.76045	7.6526	7.25116	7.08078	7.23063	7.90099	6.90514	7.0023	7.60365	7.66374	7.04529
LCORL	7.03026	6.41874	7.68737	6.88076	6.94695	7.28713	7.7017	7.11301	6.79912	6.62473	6.88438	6.56625	6.70112	7.01074	7.07685	6.90878
LCP1	5.86108	7.90327	7.37662	7.72752	8.42938	8.01099	5.74052	7.64799	8.37861	6.86866	8.97278	8.33649	7.43992	7.34377	8.18643	7.45093
LCP2	5.21683	6.04035	5.92409	6.12693	6.54069	5.81064	4.89829	6.6437	6.53856	4.37651	6.70987	5.7411	6.0088	5.14215	6.06352	5.96919
LCT	6.2767	5.68683	5.9373	5.89493	6.15168	5.77708	6.6076	5.9608	6.26239	6.92615	5.00328	6.30769	6.83799	5.99767	6.00788	6.51995
LCTL	0.82494	0.24489	3.09945	2.4789	3.32431	2.21366	2.78886	3.31083	0.36087	3.02948	2.15913	0.46592	2.92938	2.54935	2.72952	-0.5828
LDB1	5.22028	5.56043	6.32249	6.56051	5.93318	7.33872	6.71757	6.41737	5.88851	4.64068	6.63473	6.86964	7.236	7.327	6.63146	6.15646
LDB2	5.82721	6.0877	6.91774	5.67943	6.12073	5.64319	5.6694	6.85727	6.15008	6.31957	6.15139	5.73609	5.48686	3.98985	6.28211	5.59457
LDB3	4.22224	4.65169	4.48995	4.29854	4.11874	3.94431	4.75654	4.61686	4.32501	4.81112	4.69294	4.15112	4.76569	3.96263	4.49249	4.21911
LDHA	10.908	11.9171	11.9903	11.468	12.4376	11.8254	12.2456	12.0628	12.3491	11.712	12.3743	11.7562	12.3939	11.8866	12.2456	11.7897
LDHAL6	5.97437	5.93821	6.17527	5.97882	5.9482	6.30883	6.3927	6.34438	5.17084	6.15674	5.69186	5.47072	6.11583	6.23371	5.00294	5.62053
LDHAL6	3.6565	4.79439	4.94613	3.6357	4.4943	4.38727	3.14316	5.91431	4.50459	4.48115	5.49607	5.04878	1.97096	4.64607	5.06097	2.31622
LDHB	11.6343	11.8584	11.8866	11.9321	12.5798	11.6606	12.0258	12.3111	11.8493	11.4157	11.6219	11.9498	10.3343	12.4159	12.5183	12.2597
LDHC	6.37512	6.21719	4.38727	5.17832	5.56052	6.80087	5.09806	5.692	6.44576	5.41012	6.0376	5.82688	5.86376	5.82837	4.16718	5.64034
LDHD	4.11079	2.94714	2.14348	3.13915	1.54197	2.45459	1.49083	2.49961	2.13825	4.67521	5.06187	4.23244	2.00801	3.98175	2.56931	3.71736

LDLR	5.55954	5.05959	5.33126	5.18766	5.27302	5.13985	4.48907	5.22275	4.49656	5.28273	5.79795	5.15356	4.71667	5.18703	5.42087	5.60685
LDLRAD	6.4856	7.18456	7.44942	6.14599	8.1862	8.50902	8.66567	7.08123	6.68069	8.03043	7.82305	8.49271	7.38746	7.95868	7.5872	8.05785
LDLRAD	7.13557	7.15875	7.59121	7.54819	7.48643	7.40692	7.21296	7.39105	7.32463	6.93962	6.35574	7.20792	7.06005	7.26403	7.08393	7.19839
LDLRAD	2.08404	3.01952	2.17949	1.63196	2.18367	2.45459	2.73211	2.52957	1.87545	2.80132	2.48014	2.94469	2.00801	2.91144	2.16493	3.16144
LDLRAP	9.17299	8.98598	8.92659	8.73001	8.32337	8.41541	8.42795	8.26204	8.55961	9.12492	8.06643	8.68047	7.19582	8.49271	8.26381	7.75205
LDOC1	7.65739	7.86992	7.4919	7.72392	7.10703	5.67948	7.533	6.02244	6.49966	9.19844	7.16051	7.75007	7.89821	7.24245	7.51841	3.80262
LDOC1L	9.61651	9.36362	9.44859	9.55522	10.1711	10.3635	9.80516	10.1309	9.99505	9.59537	8.82696	9.23779	9.54637	9.84358	10.1711	9.13692
LEAP2	6.91463	6.53899	7.48908	6.90705	7.07717	8.05738	8.32337	7.33157	7.4838	7.20013	7.63387	7.16051	7.59573	7.12924	7.03928	7.79332
LECT1	5.70016	5.36473	4.79144	6.14874	5.83341	5.43316	7.37482	6.07103	5.37446	5.84725	5.10329	5.6703	5.97667	5.99767	5.64618	5.84548
LECT2	2.47437	2.10562	3.56906	2.45536	3.35289	3.46064	3.03237	3.58474	3.36695	2.15841	1.87674	1.87757	3.0877	3.23061	2.3168	2.04035
LEF1	5.30533	5.55021	5.49711	5.2306	5.41054	5.62668	5.41079	4.77306	5.31683	5.30361	4.65251	5.07813	5.58663	5.41144	5.20401	5.50431
LEF1-AS	6.18247	5.8358	4.17094	6.04438	5.61268	6.19241	5.53943	5.09175	4.40345	5.71644	3.81369	5.98807	4.54034	4.67688	5.56484	4.86538
LEFTY1	6.06123	4.98706	4.25043	6.42945	4.14049	5.16691	5.07679	5.73575	4.3125	6.66328	4.99999	6.42316	6.47493	5.8501	5.77957	5.50582
LEKR1	4.46646	4.70214	4.80979	4.54584	3.89133	3.66658	3.70947	3.9761	3.42967	3.88705	3.15207	3.76927	4.53287	4.11235	3.62262	3.61563
LELP1	5.70016	5.66331	5.98061	5.45206	6.03112	6.31284	6.31657	5.10351	4.99837	5.59567	5.88871	5.01851	3.58948	5.54389	4.85844	6.92116
LEMD1	7.24953	8.02303	7.16101	7.12996	7.24729	8.06218	8.40309	10.0756	8.49612	6.26102	7.04375	8.85614	8.8365	7.77814	8.59366	10.0472
LEMD1-A	2.15094	2.87641	3.3621	3.01289	3.13529	2.31832	2.68484	2.80693	4.77818	4.46039	3.22527	3.40952	3.06255	4.49797	2.55972	3.16915
LEMD2	3.39513	2.99228	3.36406	2.77414	2.83544	2.81599	2.88209	1.79233	2.13825	3.57327	5.38924	5.76939	3.61424	5.78941	2.47462	2.47807
LEMD3	8.73312	8.1831	8.61593	8.29896	8.91873	8.86928	8.38824	8.46073	8.79361	8.66226	8.66768	7.69916	8.0815	8.66882	8.44788	8.69101
LENEP	4.3226	3.74825	3.45525	6.01673	5.95916	4.07245	2.75954	5.38422	5.77903	4.05738	2.73426	4.96224	2.96494	3.60186	5.05327	3.7297
LENG1	7.5808	7.45982	7.46126	7.64967	7.26814	7.20902	7.42103	7.61974	7.14059	6.73346	6.75341	7.80351	7.35897	7.24588	7.20816	7.61271
LENG8	3.36587	3.19069	4.1682	3.39777	4.04328	2.89716	4.32992	4.10002	5.66485	4.24348	3.93173	3.50641	5.42243	3.68528	4.46357	3.71736
LENG9	5.26165	3.01952	4.45763	6.04768	5.20269	6.49752	6.6174	3.76379	6.32432	6.04806	3.86158	3.49365	4.57269	5.88688	2.78105	4.2961
LEO1	6.57865	6.64251	7.50356	7.73058	7.65794	7.39425	7.65295	8.09325	7.77384	7.3133	7.56811	5.89994	5.82474	7.98813	7.41961	7.17966
LEP	3.38024	6.34341	5.59723	5.9893	5.76569	5.14737	5.97965	4.13045	5.97427	5.29504	3.93173	3.79097	3.80685	4.22367	4.54565	3.82034
LEPR	6.88201	6.26403	7.38979	7.18533	7.11405	7.42635	7.30523	7.45408	6.92074	7.21051	7.22163	7.82261	7.66483	7.29718	7.74423	6.99449
LEPRE1	7.5049	6.91071	7.19321	7.16295	6.9158	6.90643	7.11951	7.34333	7.05802	6.98472	6.82452	7.33587	7.21066	6.77836	7.08431	7.154
LEPREL1	3.07493	2.99797	3.58537	2.9132	5.28258	3.36001	5.39423	3.3464	2.93063	4.52282	5.57201	3.8042	3.19002	4.92034	4.95564	3.40051
LEPREL2	3.42813	3.03524	3.66581	2.31308	3.48434	3.72561	2.67152	3.58474	3.46459	4.79873	2.95531	3.14285	2.73615	3.01384	3.34075	3.32854
LEPREL4	7.31201	4.40668	4.94061	7.25914	7.10149	6.81668	6.72553	4.75563	6.8336	7.78427	4.87602	4.34225	4.48458	6.01167	5.53021	4.22209
LEPROT	6.85775	6.54823	6.63394	6.73909	6.26834	7.54102	6.90952	5.80824	7.09223	7.30834	6.85008	6.47493	6.84787	5.97318	6.50774	6.30523
LEPROTL	8.8528	8.96611	9.31733	9.21392	8.96445	9.09246	8.85441	9.19651	9.34899	8.52405	8.93865	8.99071	9.12823	8.72194	8.55764	9.0354
LETM1	6.17289	6.65003	6.25282	6.20976	6.61706	6.52354	6.65633	6.9358	6.66563	6.40989	6.61041	6.61966	6.50736	6.66158	6.80627	6.74964
LETM2	4.25692	4.05521	4.76445	3.9568	4.20101	3.48036	4.21035	4.6945	4.29087	4.49934	5.4871	4.45424	3.03267	4.46511	3.96867	4.66095
LETMD1	9.38644	9.88096	10.0919	10.0285	9.76707	9.70802	9.23192	9.21051	9.88929	10.3094	8.74609	9.76219	9.36777	10.2283	9.64667	10.0139

LFNG	5.54517	5.00284	5.38724	4.65852	4.73969	4.67653	4.53679	4.7747	4.85299	5.24413	5.15027	4.89975	4.80009	4.70851	4.60892	4.99281
LGALS1	8.91642	10.0444	10.2804	10.0029	9.88284	10.9225	10.99	7.18064	10.0365	10.3045	11.2207	11.7815	11.6219	11.1818	11.1017	9.19307
LGALS12	2.30837	2.59102	2.3147	1.96731	3.2065	3.04945	3.08298	2.78286	2.92006	2.66614	2.77081	2.53152	2.04398	3.0362	2.52969	3.03549
LGALS13	4.88663	3.86261	4.2347	5.7106	1.80599	4.02752	6.1223	5.72077	5.59264	6.29537	5.21362	4.81824	4.28649	3.64454	5.20337	4.92816
LGALS14	5.51128	5.57693	5.05469	5.42404	4.59728	5.10495	3.6755	5.60468	5.86958	5.49383	6.62173	6.10324	5.57293	5.57489	5.8816	5.82495
LGALS2	6.37512	10.3074	9.57255	10.0193	8.34433	9.36777	5.03203	7.50481	10.0778	6.82761	7.51679	9.94182	9.35829	6.92136	8.0655	7.13062
LGALS3	7.98156	7.85571	7.8789	7.60269	7.16051	6.95289	7.32554	8.69948	7.13403	7.54991	7.49457	8.34898	7.83372	7.5475	6.45718	7.61008
LGALS3I	9.12925	8.84058	8.48129	7.98107	8.49885	8.98405	9.34547	8.90341	9.23091	9.57255	8.90586	8.54622	8.68454	9.73221	8.8333	8.8144
LGALS4	3.20944	2.10562	2.17949	2.184	2.55772	2.67969	2.20014	2.10233	3.19069	2.15841	2.34474	2.509	2.34547	2.91144	2.49591	2.28681
LGALS8	7.2634	7.15825	7.22296	6.56249	6.94509	6.95611	7.29473	7.53607	8.03741	7.419	7.32389	6.8099	7.57994	6.84273	6.98813	7.18198
LGALS8-	6.44154	6.39601	6.78694	5.84112	5.9482	6.33191	6.26102	6.29126	5.8292	6.5845	6.6448	5.94963	6.72976	6.71745	6.65595	6.66358
LGALS9	4.76359	4.81438	5.70605	5.47965	6.52948	6.56041	4.32992	7.04514	5.8109	5.12708	4.99175	5.42908	6.60987	6.41023	4.62974	6.19599
LGALSL	4.68051	5.36831	5.13493	4.61339	5.30704	5.52175	5.87421	5.55737	5.11171	6.39586	6.22105	5.21236	5.70415	5.57874	5.42798	5.27381
LGI1	3.6565	4.15744	3.49445	3.17801	3.92606	3.28947	2.9333	3.60236	3.17124	3.37812	3.19795	3.32466	3.05227	3.09139	3.30762	3.52431
LGI2	3.94748	3.86261	4.21937	4.02962	4.10606	2.89716	6.85319	4.59647	4.09292	3.70919	3.87668	4.41586	4.2307	3.92481	4.05558	3.53602
LGI3	3.76841	3.54594	5.27509	3.3738	4.02718	3.78772	5.45432	4.49662	3.76729	4.73279	3.48511	3.26763	3.30026	3.52815	3.08134	3.91544
LGI4	3.79373	2.60906	4.56077	3.5533	4.30345	3.58903	3.65314	4.21622	3.80861	5.22765	4.56226	3.7479	4.52354	4.21884	4.02938	3.5519
LGMN	8.35767	8.68073	9.33233	8.53248	9.20992	9.07809	8.68947	9.65256	9.99282	9.10034	10.2145	9.07417	9.48636	8.39139	8.4383	9.81607
LGR4	5.71911	6.11473	5.46878	5.05825	5.94119	5.86057	5.96015	5.70415	5.85398	5.88181	5.29597	5.43449	5.61824	6.77043	5.67054	6.19975
LGR5	5.28829	4.54077	6.97145	5.07516	7.40154	8.60042	6.8247	5.15926	4.66973	5.82484	4.80703	7.45153	4.45172	7.98356	6.37105	5.15526
LGR6	8.54592	8.05395	8.39281	8.45462	7.26052	7.74479	7.8632	8.54987	6.68689	8.0828	7.24715	7.81636	7.91603	6.50605	7.35068	6.93874
LGSN	1.74742	3.64857	1.73976	4.67088	5.11666	4.87977	4.37306	5.57186	3.97161	1.92074	3.37552	4.33523	4.08241	0.96901	3.57849	3.2169
LHCGR	4.0622	5.84809	4.92884	5.60876	3.66644	5.23948	4.79031	4.96893	4.91034	4.75195	5.67273	4.97617	6.03949	5.47358	4.18051	5.77235
LHFP	5.77944	6.02692	7.68457	7.27047	6.57101	7.5023	7.08047	7.28084	6.81894	7.86658	7.01444	7.57459	6.49673	6.33496	7.45647	5.90848
LHFPL1	5.38528	2.86158	5.70605	5.54883	4.31963	5.15361	2.88209	4.86698	3.87677	6.01673	3.52473	5.51639	5.64557	5.37493	3.03267	4.81177
LHFPL2	7.13947	7.58161	8.43012	7.26997	8.70926	8.27535	8.23238	8.64898	9.29168	9.66243	9.21728	7.75751	8.76006	8.16729	8.29356	8.3384
LHFPL3	4.59992	5.38715	4.34691	2.43076	4.98443	5.80329	5.18039	3.43351	4.76618	3.172	5.18054	5.14209	6.51475	4.75121	4.45395	3.78507
LHFPL3-	2.76133	2.43076	3.3081	2.97675	2.64349	3.00268	3.63678	2.41528	3.39699	3.56473	4.13607	3.66452	3.24137	3.43926	2.77176	3.12819
LHFPL3-	6.55916	6.1983	6.55414	6.45222	6.2982	6.51248	6.39556	6.61672	6.08585	6.82394	5.68102	6.5773	6.45214	6.72599	5.24846	6.41785
LHFPL4	4.66752	6.1585	4.73108	5.28957	6.36778	4.53909	6.80263	4.2959	6.81622	4.67521	4.19082	5.49238	4.2307	5.07516	4.76672	4.36368
LHFPL5	5.25618	5.59446	5.61026	5.50211	6.0605	5.54883	5.54226	5.02351	5.33269	4.66095	5.48642	4.49971	5.33097	5.79284	5.26248	5.84548
LHPP	5.59032	3.03524	3.79811	5.00175	3.33875	5.84889	6.09746	5.79806	5.24814	5.5803	5.7276	4.60294	2.66449	4.91553	5.70246	3.50454
LHX1	2.85784	2.55772	5.47877	5.34859	2.71531	3.76182	3.74769	5.49524	2.43603	3.97041	3.93813	4.70518	4.14977	2.86263	2.59102	4.81692
LHX2	2.15094	4.12996	4.34233	2.41935	6.55414	5.97983	5.81801	4.67509	5.30117	2.46016	3.38887	5.89338	5.86631	5.62739	6.55768	4.43882
LHX3	6.41673	6.25129	6.06384	6.04768	6.22873	5.70543	6.42527	6.77008	6.2296	6.24136	5.48925	6.26204	6.54284	5.61679	5.63098	6.37283

LHX4	4.82291	4.8047	4.80874	4.70049	4.81876	4.98232	4.60972	4.75171	4.81617	5.21878	4.78005	5.43048	5.07153	5.15888	4.78042	5.28004
LHX4-AS	7.10194	7.15193	7.24097	6.75167	7.31017	7.51793	7.60416	7.83137	7.18879	7.23414	6.92438	7.31545	7.72798	7.38113	7.02877	7.67624
LHX5	2.13523	2.07729	1.97795	1.67907	2.9933	2.86136	2.63794	1.96139	2.35886	1.78758	1.67696	1.77016	1.53958	2.54935	1.22113	2.26153
LHX6	6.60053	6.15596	7.26381	6.13885	6.28422	6.06212	6.00971	6.45085	6.33317	5.90328	5.91251	5.87283	4.33509	5.73492	5.7529	4.77111
LHX8	3.51548	4.35931	6.77758	5.21663	3.45301	4.08037	1.43866	6.17633	5.75308	4.44111	2.27492	2.38821	3.05227	4.6285	6.29133	4.43077
LHX9	3.12572	2.83774	4.00539	2.20259	3.47862	2.59317	3.64011	3.30187	3.26373	3.39293	1.89087	2.3109	2.9749	3.09945	3.57291	2.8388
LIAS	5.63823	4.94092	5.3987	5.45206	3.89996	3.08198	2.58845	4.83606	4.76618	5.08139	4.67236	5.7063	5.27879	5.08103	4.56642	4.70463
LIF	5.98312	3.44137	5.36371	5.87492	3.86774	5.47485	3.818	4.00856	4.99837	3.78199	5.27341	5.7995	5.24301	5.89027	5.36614	3.48415
LIFR	6.52099	6.23594	6.89348	6.34639	7.81934	5.69071	7.60105	6.33337	6.47973	6.55182	5.64142	6.53281	6.07349	7.18152	6.76807	5.41755
LIG1	6.18988	4.86383	6.5596	6.14034	6.92873	7.18562	4.69773	4.58008	4.77313	4.72736	6.98066	8.46025	6.03949	7.72426	4.80513	4.84049
LIG3	6.39062	5.94133	5.67007	6.37201	6.48309	5.99457	6.17699	6.0939	5.879	5.90945	6.0495	5.93839	5.90458	6.10345	5.99416	5.80698
LIG4	5.76092	5.86194	5.56754	6.06799	5.63813	4.98271	6.39658	5.85529	5.71886	5.83271	5.85616	5.94774	6.03336	4.30457	5.0963	5.57239
LILRA1	6.2017	7.42706	7.10326	6.48403	6.72166	6.93763	6.5596	6.66158	6.75319	6.27576	7.40184	6.27345	6.51983	6.01778	6.39462	6.43173
LILRA2	2.64349	2.68278	3.41796	3.1481	3.26844	3.65754	3.54848	3.01442	3.78698	3.24439	5.24175	3.17599	3.39293	3.40822	2.99339	3.29336
LILRA3	3.51548	3.48434	3.53502	3.33739	3.36671	3.46064	3.42552	3.34245	3.40648	3.65408	6.123	3.32466	3.38837	3.55944	3.18863	3.49413
LILRA4	6.82011	7.77998	8.27019	8.20702	7.28256	7.93633	7.48498	8.29732	7.89362	7.32307	7.58828	8.1831	8.09465	7.66065	7.52876	7.62053
LILRA5	5.4365	4.74559	5.46243	5.1147	4.73627	5.1064	5.63022	5.37653	5.19056	5.4729	5.4585	4.98644	5.40619	4.92736	5.30926	5.11924
LILRA6	3.71123	3.82382	4.06856	4.07722	3.60374	4.22923	3.8062	3.73495	2.86093	3.87941	7.11823	4.03926	4.50434	3.86642	3.71004	3.94585
LILRB1	3.12819	4.20918	4.02372	3.6491	3.40671	3.75319	3.50939	4.27152	3.74811	3.72912	6.9718	3.73212	3.92493	3.2376	3.2995	3.96967
LILRB2	3.35226	4.18842	5.4433	4.06543	5.73546	5.67627	4.66	6.26498	5.38794	4.86187	8.66033	5.11788	5.49125	4.50648	4.98727	5.37522
LILRB3	7.24339	6.51419	7.26423	7.12462	7.03111	7.24927	7.01023	7.37234	7.59795	6.97459	8.06888	7.50393	7.4801	6.74657	7.25599	7.56947
LILRB4	3.86658	5.88851	5.38754	4.14737	5.57669	5.32805	5.15808	5.5278	5.29139	5.68176	6.05758	5.93216	4.66808	5.61894	4.54821	5.29163
LILRB5	2.65839	2.10562	3.02585	2.58828	2.39414	2.60961	2.15094	2.78286	2.70734	2.75002	3.41787	3.0573	2.29255	2.28524	2.00801	2.4366
LILRP2	5.49125	5.03176	5.31323	5.35512	3.7606	4.75121	3.53968	5.24814	5.12426	5.18249	4.31762	5.38586	4.18518	5.3792	5.33678	5.31404
LIM2	5.9357	5.43309	5.99847	6.23022	5.56331	4.99197	5.67953	6.36903	6.2722	5.63576	6.35513	6.13095	6.72037	5.80706	5.85223	5.55298
LIMA1	7.01792	5.6892	6.2564	6.28605	6.68643	6.22158	6.30523	5.78106	6.62196	5.66433	6.41911	4.99336	6.43444	5.34309	5.84049	5.65461
LIMCH1	7.13275	6.58567	6.38914	6.47973	7.24511	6.49439	7.1565	7.64499	6.36032	7.40259	4.94447	6.30391	7.35339	6.18849	5.99171	6.41069
LIMD1	5.90723	5.3574	5.87942	5.95076	5.77781	5.68092	5.97388	6.14586	5.53039	5.96577	5.92045	5.52281	6.05821	5.42209	5.95001	6.31064
LIMD1-A	6.43526	6.7914	5.97254	6.36848	5.46159	5.93654	5.83715	6.41151	6.91554	6.01673	6.21888	6.32273	5.82023	6.36505	6.28952	6.03639
LIMD2	5.45924	6.26204	4.81549	6.36329	6.33846	5.56226	2.98815	5.17376	6.01115	4.41097	4.41614	3.79654	4.51744	5.32234	2.9127	5.62053
LIME1	3.26635	3.85394	2.35871	5.51387	3.71929	4.68011	5.44563	2.52957	4.99837	3.85542	3.16885	6.40577	5.13767	4.78915	5.4513	3.94585
LIMK1	3.81566	4.12862	3.61736	3.52848	3.72332	4.37858	3.59491	3.91753	3.90886	4.30729	4.54034	4.55111	3.60559	4.31071	4.39311	3.70202
LIMK2	7.06607	6.77805	6.63421	6.50241	6.7566	6.68544	7.013	6.70583	6.91218	7.05573	7.35274	6.94003	6.70411	6.10715	6.56324	6.36178
LIMS1	4.71438	1.64103	2.60835	3.07162	1.66665	2.57571	4.04442	2.9003	3.07641	2.295	1.8671	2.67567	3.55559	3.56937	2.25724	4.90609
LIMS2	5.92064	5.63467	6.74515	4.73609	5.83462	6.26222	6.02125	5.96948	6.82648	6.6596	6.51775	7.25795	6.45523	6.29625	6.8277	6.03191

LIN28A	5.57669	2.69344	2.96792	2.61385	2.94105	4.44183	4.32992	3.69279	4.91034	5.86819	3.90646	4.35575	3.89335	5.80121	3.61218	2.90822
LIN28B	4.80682	3.41586	5.17427	5.5785	7.07445	5.57446	5.38235	4.63015	6.34176	5.09188	5.30084	4.06056	5.33882	4.65943	5.21941	5.00386
LIN37	5.19241	4.75171	4.52313	4.59728	4.73591	4.8012	4.85535	4.81338	5.11644	5.00238	4.87368	5.03535	5.16906	4.88265	4.65169	4.45813
LIN52	7.90962	8.48742	8.27357	8.10118	8.32702	7.73179	7.70022	8.23628	8.2853	8.12416	8.14205	7.27143	8.30791	7.79416	8.3527	8.06572
LIN54	5.88704	5.24458	5.78447	3.45327	5.70072	3.50802	4.56843	4.61194	6.26239	3.50939	4.91374	5.30957	6.04563	4.58936	5.47823	4.40686
LIN7A	2.39337	3.35869	2.96082	3.43094	3.49311	3.92354	3.54755	3.0573	3.01059	3.8969	3.2859	4.47464	4.76537	3.02531	2.7899	3.30894
LIN7B	6.81873	6.83168	6.12279	7.08431	6.15307	5.09969	6.85993	4.96712	6.45428	6.56229	6.50329	7.25315	6.57712	5.46793	5.88196	5.76467
LIN7C	8.78881	8.17734	8.84532	8.86796	9.25316	9.13804	9.55408	9.31854	9.26363	8.55452	8.79299	8.88559	9.26606	9.25806	9.55087	9.20565
LIN9	4.14389	4.54107	4.15877	4.1501	4.83726	3.98812	3.5789	3.76997	4.6173	4.03876	4.70279	3.57717	4.7761	4.19827	4.19001	5.34835
LINC-PIN	6.3979	7.02837	5.74127	7.26141	5.92473	6.65436	6.6495	6.91643	6.42667	5.68932	6.50752	6.83067	5.88049	6.80357	6.23462	5.67605
LINC000	4.15633	4.21006	3.65613	4.56912	4.63576	4.3237	6.18979	4.6439	4.2251	4.18447	4.26713	4.16718	4.62473	4.44205	4.80045	4.64753
LINC000	5.20479	3.19069	2.98152	3.50564	4.68584	4.82194	5.6487	3.49069	5.77656	5.43853	5.93381	5.38586	5.89071	5.38794	4.19275	6.18726
LINC000	4.76569	4.53581	5.00608	4.91088	5.15309	5.04437	5.07971	4.80917	4.2436	5.70136	4.70335	4.98499	5.2869	5.07693	5.08426	5.62247
LINC000	2.23882	2.36797	4.24573	2.4789	3.49824	2.39513	2.3531	3.96044	4.02473	2.38782	2.6113	3.53998	1.86408	2.59761	2.72952	2.4155
LINC000	2.21029	4.98009	4.62423	3.28542	3.57987	5.11891	2.42155	5.09372	4.52011	5.7037	5.80858	5.6454	4.84193	4.02061	4.84979	5.66046
LINC000	6.00566	4.08875	5.15361	6.17219	5.94627	7.87296	6.05868	3.21508	3.6792	7.16436	5.3421	5.93682	4.77727	6.34758	5.52397	5.46892
LINC000	6.68978	6.74325	5.70234	6.62442	6.75896	6.59049	5.43734	6.38163	6.18646	6.84701	6.48361	6.65352	5.90026	6.00226	6.6126	5.62406
LINC000	7.46909	7.0099	4.60832	7.2057	7.04587	6.70023	5.58885	5.94393	5.83794	4.28394	4.9748	5.9634	6.4066	6.37067	6.47439	6.40316
LINC001	5.4629	5.40753	5.40583	5.65354	5.20269	4.56925	4.70432	5.72077	4.56553	4.41097	4.72254	5.06151	5.14648	5.16038	5.25562	5.73754
LINC001	4.21462	5.03176	5.1832	4.81755	5.60384	4.64929	4.64688	3.60236	5.77139	5.56093	5.78593	5.75818	5.41348	3.78375	5.63729	4.72447
LINC001	3.91761	2.69344	4.31281	4.65451	1.97947	4.7668	4.45365	2.70064	1.98342	4.58996	1.98377	5.24956	5.3226	2.01506	2.76084	2.19188
LINC001	5.41227	6.70583	6.79971	5.93381	6.24434	6.46123	6.28945	5.83892	5.9151	6.19774	6.26733	6.3109	5.89672	5.30223	6.06428	6.09488
LINC001	8.21161	8.04669	8.0026	8.27393	8.21006	8.10013	8.05612	8.4587	7.96679	8.14844	8.20812	8.70461	8.90205	8.28751	8.36919	7.78156
LINC001	5.22866	5.34983	5.41719	5.88508	6.15528	5.90377	5.44563	6.35819	5.89332	5.61936	6.04696	6.25077	6.33933	6.02828	5.84738	6.26403
LINC001	2.92162	3.17599	3.25961	3.49824	3.21781	3.61047	4.01138	3.0362	3.44223	3.08321	3.33247	3.25613	3.69237	3.35919	3.54548	2.8391
LINC001	2.79297	2.49227	2.56774	1.16965	3.10976	2.58692	2.15094	2.17246	3.02333	2.31329	2.95531	3.52665	5.13767	2.22838	2.76084	2.28681
LINC001	6.46724	5.4303	6.39352	7.47089	4.82932	3.85447	6.42527	5.66963	7.05162	5.51424	4.79814	7.15615	6.92598	6.52173	6.05588	6.35062
LINC001	5.95764	5.92053	6.03071	5.43831	6.29645	5.46747	6.33001	6.12266	6.17468	3.6977	5.15365	5.72434	5.21117	5.91431	5.24005	5.96646
LINC001	4.33259	4.29087	5.59946	5.27776	4.28892	5.83	5.37133	4.78725	3.69577	3.18735	4.71136	5.26415	3.89335	4.37922	4.99358	4.40686
LINC001	4.86718	7.08952	6.96795	5.97591	6.86703	7.29852	8.59487	8.13823	7.02213	6.05942	6.22344	6.37833	7.2488	8.25123	6.42572	6.73498
LINC001	4.35066	4.32699	6.41548	4.72819	4.83558	4.13417	4.60294	4.68363	4.2082	4.44999	5.69404	4.10127	4.09292	4.2645	3.94704	4.59445
LINC001	5.73664	4.72297	5.84642	5.55949	5.82175	5.7251	3.42552	5.20645	3.79382	5.31378	4.65128	6.71924	5.78611	6.30722	5.64462	3.88705
LINC001	4.47233	6.39736	6.26907	6.38192	5.31252	6.19499	6.17811	6.80111	6.32382	6.18897	6.15674	6.63893	6.60418	5.78301	6.55232	5.27341
LINC001	5.23682	3.21812	3.58903	5.53338	5.48441	5.12651	3.50564	2.2672	4.48532	5.64253	2.79035	4.2376	5.53273	6.45819	4.10265	5.77235
LINC002	6.87509	6.1607	6.92002	5.05078	5.56052	5.63647	6.39556	6.56557	6.2519	6.89597	6.19774	6.70005	6.95033	7.09122	6.11992	6.6026

LINC002	5.56236	6.34228	5.61919	6.4707	5.42776	5.56061	5.81672	5.94456	6.37919	5.87321	5.43076	5.77863	4.34316	5.62838	5.45419	6.14076
LINC002	6.5847	6.48524	5.38651	6.1373	5.43196	5.63647	6.11311	6.91137	6.60777	6.50709	4.8528	6.27509	6.75383	6.07813	6.27435	5.81289
LINC002	3.86261	3.56819	5.15041	3.56531	3.85505	4.29854	4.05033	3.27157	4.34561	5.90889	3.05202	3.15604	3.36189	4.69923	3.67604	3.29988
LINC002	4.85757	3.58335	3.16713	5.4066	3.49824	3.55971	5.53155	4.32501	5.75622	3.42914	5.69572	4.90933	3.85528	3.05474	4.3828	3.90548
LINC002	2.94778	3.07762	4.42144	2.58828	4.48291	4.0873	4.68519	4.58008	3.98331	4.06894	4.44278	2.69934	3.47767	3.44975	4.56642	4.46349
LINC002	2.40819	3.25228	3.89212	4.1581	4.0649	3.86074	3.56319	3.62864	3.32317	4.82056	4.30055	4.69294	3.49924	4.55074	4.00429	4.08906
LINC002	4.0196	2.29438	2.61382	2.31308	1.84689	1.32117	2.3531	2.23712	1.18021	2.75002	2.3203	1.94688	2.00801	1.59381	1.55502	2.22886
LINC002	5.12745	1.67217	0.89696	3.60342	3.18522	2.58692	2.42155	3.23218	3.25201	0.47227	1.63512	4.57959	4.10293	4.10225	5.12503	2.4155
LINC002	4.49797	5.29349	5.35407	4.34058	5.56689	5.49927	2.31492	6.5296	6.1047	3.83015	3.56921	5.74024	6.32323	5.75347	3.50176	5.97118
LINC002	5.15459	5.22858	3.69741	4.85334	5.62008	6.18773	4.98886	5.62022	5.77414	6.27933	5.77873	5.39305	4.6779	6.01413	6.62295	6.32655
LINC002	2.27273	2.04582	2.00164	2.83422	2.68714	2.86136	1.73976	3.3596	3.55701	2.88148	3.0131	2.56799	2.42653	2.09344	1.4899	2.57571
LINC002	3.00675	2.95972	3.07458	3.21843	2.65839	2.45459	2.27576	2.37778	2.18568	6.40531	3.0131	3.26763	3.28382	2.93125	2.76084	2.88582
LINC002	6.69995	7.05272	6.94101	6.70624	7.10887	6.65808	6.69086	6.98113	6.5358	6.73346	6.17506	6.84064	6.47791	6.60555	6.44881	7.38917
LINC002	3.33951	5.66603	5.63327	5.00397	4.85449	5.41634	4.97647	5.22564	5.56523	5.76953	5.01746	5.66243	4.93756	5.22492	4.89817	3.45478
LINC002	3.42813	2.77081	3.28947	3.02476	3.07162	2.83735	3.03237	3.31083	2.64558	3.00855	2.72092	2.71947	3.28382	3.05474	2.76084	3.34078
LINC002	6.43366	6.57598	6.1296	5.9082	6.01803	5.74383	5.36059	4.87944	5.70661	6.10559	5.17761	6.13964	5.47935	4.11853	5.92232	5.65292
LINC002	2.47437	2.13825	3.31271	3.38369	2.55772	2.58692	2.75954	3.85505	3.04535	2.50603	3.26817	4.19789	2.00801	2.13594	2.1886	2.22886
LINC002	3.36587	2.53824	3.64717	3.33739	4.12453	8.07647	8.60654	3.52249	3.6241	3.46275	3.76737	3.86376	3.57524	7.91099	4.33259	2.71584
LINC002	6.32093	5.94043	6.21501	6.86689	5.69601	6.12326	6.27516	6.6117	6.09939	6.67754	5.59376	6.59049	6.89331	6.42461	6.67107	6.97276
LINC002	6.71962	5.86096	6.23653	5.59032	5.57898	6.35595	6.22158	6.02933	5.87249	5.24505	5.68938	5.95435	5.84195	5.99501	5.75191	5.58353
LINC002	6.50001	6.82071	3.46771	6.65009	4.19738	3.15165	3.23578	3.6374	3.11326	4.25792	4.24406	3.57258	3.77256	3.68528	3.99153	3.78507
LINC002	5.21272	3.77151	2.25072	4.45523	4.86578	3.78772	4.27634	2.81438	3.78033	3.85542	3.21922	5.47072	4.44582	3.87671	3.23099	3.6836
LINC002	4.1934	3.93361	4.37426	4.2786	4.50537	4.7822	5.85864	4.76359	5.37062	4.17211	5.85373	4.09275	4.50434	5.94115	4.26797	3.39583
LINC002	4.11079	4.85013	7.32679	6.99578	7.44871	7.42558	7.19234	5.47546	6.88127	7.02223	6.82348	4.44009	1.89786	6.34758	7.42821	4.61957
LINC002	4.20074	4.13063	4.33776	4.12191	2.18367	4.81041	3.63379	5.23337	4.82364	4.43223	4.64863	4.44009	4.88165	5.13036	2.00801	4.15607
LINC002	6.24627	5.64993	5.53096	6.39835	4.10606	5.1154	5.47072	4.24814	4.70432	4.27479	6.35027	6.26776	6.35075	6.24025	4.33259	5.92597
LINC003	3.46478	2.11968	3.53998	3.98194	2.04903	3.01908	3.13301	3.55971	2.49138	3.27919	2.79314	2.57956	2.30979	2.9809	3.41248	2.68484
LINC003	5.2156	4.63606	4.75257	4.83434	5.65551	6.2896	5.04615	5.20903	4.58043	5.33489	4.78521	5.67544	5.15063	4.41679	4.31215	4.34547
LINC003	6.25491	5.44248	5.7379	5.77478	5.73452	6.11045	6.19616	5.69362	6.1875	5.98945	5.49284	5.52262	6.54403	5.8913	5.98749	6.51914
LINC003	4.52618	5.11644	4.26508	3.79536	4.69135	4.85358	4.56093	4.24814	2.92006	5.75475	3.38676	2.6814	6.25587	5.43328	4.3828	5.19512
LINC003	2.00108	1.71163	2.66774	1.55195	1.69898	2.24655	2.3531	3.0481	1.98342	2.34717	4.50609	2.15748	3.0877	3.09139	2.7465	2.19188
LINC003	6.35133	6.323	6.32441	6.27307	6.72304	6.42469	6.2982	7.03173	6.30738	6.36574	6.323	6.69654	7.1002	6.48414	6.11761	6.83957
LINC003	2.27273	2.36797	2.66774	2.12186	4.20446	3.33634	4.5939	2.58708	2.5663	2.88148	2.21379	2.24796	4.52811	5.10776	3.71862	2.51437
LINC003	2.04089	2.65522	4.48486	3.54894	3.2065	3.99858	4.27634	3.31083	3.60923	3.34275	2.38828	2.59016	4.93756	3.44975	2.14289	3.5127
LINC003	4.12999	3.89112	4.41429	2.85497	4.32613	4.33729	3.08298	1.61881	5.0435	3.85542	5.05683	3.07028	4.50434	4.60832	4.7616	4.15607

LINC003	5.24647	5.03349	5.50408	4.72113	4.8731	5.25098	4.88484	5.19994	5.09612	5.93413	4.88353	4.45956	4.73504	5.30554	5.0671	4.58025
LINC003	3.34891	2.2085	2.32134	2.82162	2.45891	2.17039	1.88842	2.05864	2.05175	3.16521	3.20291	2.28568	2.30762	2.7835	2.88209	2.02388
LINC003	4.92663	4.99527	4.8564	4.3777	3.76997	4.82194	3.91631	5.32306	3.50839	4.31978	4.26259	3.89608	2.5663	3.98175	3.61218	4.23617
LINC003	6.39199	6.22609	7.18769	5.26197	6.1019	4.55731	5.9041	6.42187	4.63412	6.19774	6.31858	4.88936	6.20065	5.38794	5.99744	3.89582
LINC003	5.14458	4.54463	4.94613	4.26515	4.16584	4.39841	3.29192	4.03022	3.46459	4.66895	4.99175	4.61373	4.4044	3.29459	3.74409	4.46349
LINC003	4.1934	4.5714	3.40986	3.85758	5.20742	3.98206	5.99786	4.79259	6.23669	4.15112	3.93813	3.83791	4.88674	5.85636	5.94761	3.48415
LINC003	4.77762	3.80262	4.41781	4.11908	4.3624	4.35897	4.79935	5.29087	4.14195	4.7443	4.30829	3.83233	4.0279	4.86562	4.23422	4.36522
LINC003	3.64066	3.40176	2.68367	2.58828	2.65839	3.11933	3.08298	4.40791	2.97568	3.18735	2.68367	2.94469	3.80685	3.66246	2.3168	4.07967
LINC003	7.13227	8.79361	8.36471	8.01278	8.13158	7.31201	4.6921	8.2533	7.98905	6.85376	6.9731	7.42833	7.95615	5.98179	7.62815	7.52731
LINC003	8.08164	7.18732	6.05689	8.36919	6.1994	7.39272	5.87081	7.06209	6.37156	6.81678	5.51991	6.56768	6.65329	6.31673	6.32256	7.29975
LINC003	4.18547	5.58603	5.23698	6.29983	4.14049	6.41398	5.30403	6.4299	6.06551	5.20259	5.41954	5.64993	5.87873	6.27509	3.7606	5.33438
LINC003	0.11027	1.62441	1.95191	1.93131	3.16569	0.89896	2.47678	1.79233	3.15245	1.43866	1.32308	2.04143	2.13674	2.44811	1.81049	1.85717
LINC003	6.65541	7.06124	7.28524	7.02866	5.95498	6.72253	6.94683	7.07219	7.06506	6.80782	6.43385	6.72093	7.20644	7.15716	6.80263	7.0935
LINC003	4.49537	4.45971	4.6971	4.5782	4.7723	4.45447	4.78796	5.18926	4.38512	5.06794	4.7616	4.12115	3.69299	4.99197	4.75373	4.59589
LINC003	6.40707	6.21719	6.1296	5.57471	5.51597	5.95809	5.0271	4.91489	4.60738	6.06884	5.42215	5.72192	5.98237	4.2359	5.5192	6.84027
LINC003	4.01048	3.95879	2.95766	3.79536	5.35171	3.28947	3.47278	3.41422	3.88943	3.7682	3.60639	2.509	1.63986	3.39861	4.25827	5.69738
LINC003	4.42688	4.75041	6.06475	4.85602	4.52625	5.12155	4.73535	5.15911	4.57233	5.04924	3.73544	4.34748	3.79373	4.2998	3.92728	3.72183
LINC003	4.9403	5.1507	4.18506	3.80706	4.98786	5.38924	3.76501	5.71377	4.85113	2.95492	4.43233	5.25333	4.56642	5.79284	3.24403	4.44222
LINC003	5.47317	5.42215	5.29339	5.21128	2.94105	4.96837	2.73211	4.97563	3.55701	4.69665	5.37767	5.3793	5.05022	5.97064	4.69327	5.09761
LINC003	4.49101	5.16804	2.52296	3.42644	2.0729	4.03667	2.3531	4.39128	2.53538	3.41751	1.7041	2.41615	4.05757	2.51368	3.89749	3.70541
LINC003	5.02104	5.13493	4.88015	3.75809	4.70546	4.48323	4.87083	5.42694	5.20104	4.44382	3.55612	3.84154	5.77398	3.8966	4.71261	5.12034
LINC003	5.15459	5.73502	4.69821	2.69863	5.88125	4.58796	4.69773	5.50962	4.82953	5.10215	3.62297	5.15888	3.75766	5.11206	4.44362	5.55298
LINC003	1.54854	0.89181	1.4899	1.93131	1.00765	1.85868	2.27576	1.04435	2.03262	2.2766	2.93839	1.54854	2.26476	1.84505	1.55502	1.51008
LINC003	2.93125	2.84393	2.68367	2.65796	3.22566	3.08198	3.55696	2.91144	3.85447	3.2328	2.91487	2.86273	4.36086	3.87671	3.04901	3.10689
LINC004	0.9979	1.40126	1.82328	0.47227	2.21727	1.36658	1.24246	1.22235	1.69898	4.75793	1.59488	3.12959	1.4697	1.1104	1.6611	2.04035
LINC004	3.72694	4.99435	4.33657	5.35722	4.01206	4.29087	4.89126	5.17003	5.00573	3.9077	4.78378	3.575	4.95856	5.59123	3.18013	3.67122
LINC004	6.9346	6.98687	5.68265	6.98847	6.86538	7.06419	6.82297	7.09122	6.60777	7.0693	6.77486	6.85982	6.72976	5.84102	6.50845	6.96963
LINC004	6.17343	6.90283	6.34067	6.6161	6.1534	6.53507	6.32792	6.83089	6.30901	6.15194	6.60043	6.44639	6.22022	6.49027	6.74542	6.62481
LINC004	5.25618	5.36162	5.64095	5.22073	4.79743	4.94357	5.05601	5.93164	5.94368	5.49383	5.58837	5.93442	6.1277	5.18903	6.05381	4.41688
LINC004	5.14611	5.94284	6.10253	5.40541	5.60928	5.82355	5.93039	5.54788	6.18181	4.04474	5.88563	5.33521	4.72646	5.90202	4.86994	4.14195
LINC004	4.73297	3.61956	3.77762	3.6993	4.30494	5.11891	3.94849	5.53727	6.24867	3.09196	5.53553	5.15565	4.22425	5.37493	6.0207	3.50454
LINC004	5.9914	5.80097	5.46528	4.92969	4.66492	5.39029	5.72307	3.89212	5.44823	6.16376	4.54628	4.80946	5.81488	5.91782	5.49524	5.79739
LINC004	3.77751	5.48547	5.22596	5.28498	5.77051	3.65332	2.23396	4.65546	4.76618	3.57327	2.01441	2.8813	5.05646	3.16811	5.52702	5.40805
LINC004	7.34628	7.69395	7.41439	7.5578	7.22593	7.432	7.56811	7.65308	7.6068	7.51811	7.37635	7.88884	7.75483	7.72426	7.52956	7.37837
LINC004	6.19869	4.33402	5.5865	4.9083	4.71358	5.37887	4.31322	6.14982	4.97647	5.37867	5.8637	5.51444	6.0009	4.77206	5.91675	4.52387

LINC004	3.60416	4.11874	3.69327	3.94824	4.11284	4.51377	4.77515	4.2998	4.05521	4.07485	3.93627	3.18721	4.20319	4.85088	4.36607	3.47644
LINC004	2.69458	3.97656	3.67678	3.01274	4.52167	2.47728	4.31847	5.88599	3.43472	2.98295	2.92777	3.76997	4.74678	5.17777	3.41135	4.78378
LINC004	5.2531	3.59749	3.78517	3.65448	5.67359	3.65332	5.46734	4.06126	3.48123	3.66644	5.26854	5.27036	4.09292	4.69923	3.95895	3.89582
LINC004	7.01068	6.66212	6.76629	5.91096	6.71732	6.67388	6.26387	6.51704	6.97134	6.83665	3.6149	6.59049	5.62541	6.04321	6.45655	5.57637
LINC004	6.09165	5.82956	6.63133	6.03045	5.38965	5.14737	5.88592	5.72077	5.42436	6.77476	5.63045	5.02595	5.88635	5.79284	5.47619	5.55587
LINC004	7.92842	7.85368	7.53012	7.56512	6.92174	7.18675	7.57827	7.6526	7.13471	7.50734	7.06488	6.8266	7.9697	7.03639	7.05868	7.46613
LINC004	3.57717	4.76297	3.92314	3.99526	4.2359	3.99629	3.98175	3.87842	3.84816	4.33795	3.96394	3.72239	3.91275	4.79861	3.61335	4.25735
LINC004	4.71569	5.50738	6.00638	6.089	5.50938	5.66816	6.69314	5.89776	5.85866	5.46237	3.58961	5.3582	6.21786	6.47656	5.31252	5.95703
LINC004	5.03836	3.81899	4.37803	4.4394	5.39993	6.3379	5.36903	6.21864	4.12004	5.95929	3.98449	4.65199	5.60298	4.42075	3.82716	4.66132
LINC004	2.63482	2.07729	3.11137	3.17801	1.93871	2.89716	2.31492	3.06557	3.78033	2.23712	4.57021	3.84426	3.19903	2.13594	2.95994	2.57571
LINC004	5.3543	6.0054	5.60393	4.97295	5.71961	5.81346	4.98443	5.74152	4.98334	4.76031	5.65634	4.38594	5.73966	6.37807	5.3965	5.49578
LINC004	6.54574	5.36312	6.48435	6.5885	5.84195	6.19649	6.27623	6.06758	6.34341	6.20604	5.4508	6.03625	6.25817	6.17147	6.02361	6.1546
LINC004	6.70664	7.1455	5.86084	6.85409	7.24254	6.86932	5.26131	7.21462	6.14896	6.51425	6.05702	6.47623	6.818	6.10593	6.90183	5.60896
LINC004	5.43457	5.63467	5.63847	3.6256	3.6922	4.23809	4.70432	4.84732	3.63964	5.30815	3.29289	4.78297	4.80971	3.9369	3.25706	3.84496
LINC004	6.02198	6.0536	5.83143	6.23723	6.03981	6.06845	6.8419	6.13469	5.6286	6.46826	4.70357	5.64142	5.7063	6.33989	6.35231	5.82956
LINC004	4.87494	4.68764	5.07767	5.17832	4.76067	3.99858	4.008	4.30714	4.35456	3.172	3.97251	5.68623	5.62746	5.5659	3.662	3.75027
LINC004	4.22576	4.30232	4.97462	4.09184	5.54107	4.84284	3.91631	3.93793	4.13584	4.09007	3.8679	3.76552	4.05757	3.98175	2.82464	4.00732
LINC004	1.70087	1.74177	1.68451	1.26539	1.54197	2.03544	1.54854	2.17246	1.26079	1.74155	4.74167	1.94688	1.7762	2.13594	1.40126	1.42001
LINC004	1.11909	3.27087	4.11758	4.39175	2.61273	1.32117	0.35046	4.13045	2.22165	3.36001	2.85145	3.9549	1.68682	4.72155	0.6733	4.55668
LINC004	3.25894	3.29115	3.21549	3.3177	2.86407	2.97887	3.11375	2.79904	2.66106	3.31714	2.6746	1.89786	2.36219	3.44177	1.33306	2.96872
LINC004	5.28282	4.34246	6.1566	5.19529	5.99873	5.1154	8.3988	7.50665	5.21228	5.59155	4.59792	4.91796	6.11748	5.67663	5.10876	6.76152
LINC004	4.17798	4.05789	3.42172	4.98755	2.83544	5.07913	5.24432	5.26099	5.03513	4.97739	3.94748	1.3666	4.85376	5.23942	5.0902	4.76686
LINC004	3.80166	5.17686	5.67605	4.43432	5.27776	5.53215	6.65179	5.85594	4.56077	5.03887	5.96658	4.60513	5.46952	5.66581	5.21642	5.86123
LINC004	8.89159	10.0988	9.02815	10.0518	8.96961	9.6967	9.02566	8.83871	8.35871	8.89983	9.09062	9.4421	9.9764	8.93625	8.6144	9.2077
LINC004	5.61659	6.36978	5.59525	5.80702	4.86578	5.88667	5.58885	6.64123	6.48682	6.02598	5.56396	6.50835	5.63126	6.01167	5.99212	6.57151
LINC005	0.9979	-0.2855	0.11027	3.44117	-0.5828	-1.4826	3.79373	0.27064	-0.238	2.15841	-0.0459	1.31925	3.88172	-0.3633	1.31925	0.22408
LINC005	7.13227	6.94016	7.45812	6.55586	6.83691	6.86547	6.57036	5.58831	6.01437	6.96694	5.79976	6.38823	6.4483	6.53272	6.69731	6.95007
LINC005	6.05051	6.33203	5.19266	6.40106	5.65653	6.59605	6.73214	6.3021	4.85676	5.67434	4.85587	5.28266	5.5025	6.48746	5.9209	4.9541
LINC005	2.49029	4.62043	3.78126	3.32016	2.57293	3.48226	4.27381	3.09731	2.94457	4.58055	3.38046	4.46753	4.70148	3.08379	4.19674	4.57597
LINC005	10.398	9.79203	9.81371	10.5154	10.0139	10.4519	10.3741	10.163	9.71731	10.0051	9.14447	10.5482	10.4548	9.6193	9.6066	10.4489
LINC005	4.36192	4.04587	5.11713	4.24304	3.84953	3.72049	4.45813	4.01654	4.88484	4.23734	3.85758	4.58146	3.01908	3.96768	3.912	4.94408
LINC005	3.41112	5.63076	6.03071	3.28542	3.09072	3.84347	3.61825	6.07103	6.44783	4.06894	4.26259	6.38151	3.78698	5.10272	5.34851	3.66526
LINC005	5.84764	7.59892	7.53191	8.08028	6.51043	5.62045	6.0054	7.86541	7.08123	7.20013	5.92496	7.10916	5.92314	6.59245	6.1584	6.3708
LINC005	6.99749	7.80696	5.21626	7.57258	7.00671	6.9415	6.51384	6.23123	7.00137	6.6608	5.67273	6.95088	6.64834	7.24329	7.37708	6.41469
LINC005	5.49973	5.05229	4.83307	4.81317	4.48995	4.92803	5.25963	5.60753	4.03129	5.09309	4.20135	4.76796	4.53252	4.6945	4.92944	5.18115

LINC005	3.85425	4.72297	5.03914	5.37312	3.95816	4.17372	4.7616	5.157	3.49474	3.55696	4.76672	5.04878	4.22425	3.73088	2.6136	5.10495
LINC005	2.77283	2.94714	2.93758	2.43076	3.09072	2.83735	4.81992	4.15015	3.72995	3.36001	2.85145	2.83233	2.62575	3.07586	3.23099	3.40822
LINC005	4.19674	4.00145	3.60559	4.73894	3.53484	4.18478	4.55883	5.49659	3.41787	3.58197	3.12278	4.50367	5.14097	4.51459	5.02124	3.96745
LINC005	6.52429	5.67407	6.86964	6.93102	5.74699	6.81839	6.36379	6.60934	6.8319	6.48874	6.2822	6.16231	5.59895	7.06621	6.41497	7.16026
LINC005	6.64176	5.96988	6.3114	5.49464	6.36379	5.75684	6.92116	6.40233	6.48735	6.41345	5.73452	6.97901	5.40124	5.87407	6.32792	6.32715
LINC005	6.40488	7.04386	7.16051	7.44109	6.38204	6.96157	6.77648	7.68887	6.47102	6.24852	6.86948	6.9745	6.80553	6.95167	6.99156	7.1202
LINC005	3.36587	3.40176	3.55864	2.97356	3.09072	3.5373	3.45602	4.81522	3.42477	5.16701	3.54938	3.11416	3.43133	3.80927	2.86345	3.52431
LINC005	4.36572	3.16637	3.45525	2.73925	3.03309	3.49365	3.10453	3.32868	3.92436	2.47565	3.42769	3.32466	2.5663	2.97219	2.93032	3.53602
LINC005	1.26457	2.69344	1.70381	3.08274	1.26539	2.03544	1.03884	3.6374	1.53958	2.15841	1.1038	1.67664	1.73296	2.25724	1.22113	2.63794
LINC005	0.82494	1.22235	0.71928	0.29867	1.73976	1.95254	0.93298	1.04435	0.89896	1.00522	1.32308	0.32707	0.57957	0.55613	0.6733	0.48337
LINC005	2.44059	3.07762	2.14348	3.1203	2.81309	2.60961	2.73211	2.75656	2.70734	2.77263	2.72092	2.91196	2.81611	2.62575	3.12323	2.57571
LINC005	1.79935	1.94258	3.57935	3.10053	1.93871	3.08198	2.0296	2.23712	1.45473	3.65408	1.67696	4.86421	2.04398	3.78375	2.26702	1.98412
LINC005	2.72538	4.33402	3.25331	5.61264	3.01001	3.04945	3.84674	4.30714	3.79382	2.91059	4.91374	2.79123	4.2792	3.51712	3.662	4.04867
LINC005	-0.238	-0.5013	-0.5013	1.55195	0.59539	-0.0172	-0.6813	0.27064	0.56521	-0.6813	-0.6813	0.90097	-0.2855	0.8165	0.74207	2.7492
LINC005	5.38994	3.11174	5.59274	5.49937	3.56794	5.53895	6.21754	3.08616	4.82953	4.48984	4.54346	3.66815	5.09372	4.82974	5.34613	2.79166
LINC005	3.5501	5.72006	2.63513	4.73609	4.72375	5.66816	5.7995	5.82855	5.75016	2.61134	3.58961	5.73718	5.66827	6.04817	4.1596	5.94145
LINC005	2.21029	1.32117	1.44831	1.55195	1.84689	0.61335	0.24489	0.01726	1.98342	1.63837	1.91586	1.80953	2.04398	1.4403	1.55502	1.89302
LINC005	4.63591	3.30026	4.81861	3.6993	4.28189	3.42836	4.36468	4.67765	4.55668	4.37418	4.15044	3.55262	3.73495	4.19488	4.45949	4.63489
LINC005	1.87757	0.37401	2.98152	-0.0746	1.54197	0.27064	1.68451	0.27064	0.36087	0.47227	3.55809	0.32707	3.36189	3.71992	1.81049	1.85717
LINC005	4.01048	4.95465	3.391	4.32526	3.12473	4.91834	5.22744	5.90165	4.52735	4.6502	5.21117	5.80388	3.02655	3.49255	4.6804	4.86201
LINC005	6.31081	6.61197	6.5209	6.50907	6.36582	6.65137	6.15181	6.56965	6.15224	6.71161	6.5358	6.09052	6.69995	6.16781	5.9283	5.88899
LINC005	5.9545	5.60909	5.07497	6.65726	5.56052	4.65553	6.10352	7.73582	5.93318	6.2881	6.05061	6.63345	6.62038	5.52482	6.46414	4.90886
LINC005	6.4856	6.50281	6.74102	6.49089	6.04946	6.27405	6.80609	7.16938	6.16248	6.7154	6.4551	6.2538	6.50306	6.78761	5.954	7.00532
LINC005	6.46142	6.49618	6.05873	5.05502	6.02751	5.99097	6.09242	4.78725	6.8319	6.74102	6.05828	6.10324	5.39824	5.80706	5.57124	5.88049
LINC005	6.95784	6.41137	6.2245	6.92489	5.60018	6.88851	6.6174	6.97901	6.20487	6.28135	6.19608	6.43414	6.14296	6.70552	6.19975	6.30339
LINC005	6.27322	7.61431	7.33899	7.48562	6.48139	6.59268	6.68013	7.27263	6.85524	6.5099	5.82134	7.59473	7.1396	6.49027	6.73909	4.38335
LINC005	5.33339	6.04592	6.40779	6.0945	6.25719	6.01138	6.01067	5.89776	5.97427	6.11097	5.83136	6.48488	5.76339	6.21387	6.01839	6.37561
LINC005	2.55807	2.49227	2.50291	1.33008	1.80599	2.03544	2.20014	1.73724	1.92414	1.96807	2.77081	1.87757	2.23314	2.13594	2.43868	1.42001
LINC005	3.42813	2.07729	2.21086	3.44117	4.6615	5.17834	2.45415	2.64349	3.42477	3.46275	4.27533	2.73426	2.17097	5.13036	2.39175	4.11111
LINC005	6.25719	6.41424	6.10334	6.37643	4.80222	4.48862	4.65674	6.48794	6.0054	5.77406	6.26204	5.61554	6.10692	6.48746	5.98852	5.76382
LINC005	3.44995	3.5533	3.10351	2.75431	2.95627	3.02293	3.26676	3.01834	4.26185	3.03791	3.00894	3.62835	3.37247	3.06644	3.54755	3.88075
LINC005	4.68509	6.17098	4.61987	6.20878	4.97329	7.09952	6.53172	6.48178	6.67871	5.06097	5.08327	4.92491	6.82702	5.15309	6.93141	5.18553
LINC005	5.4629	4.18531	5.27758	5.69175	5.84059	5.2799	2.98815	5.45391	3.85447	5.06097	5.69803	2.55562	2.75699	4.14195	5.28144	5.49652
LINC005	4.26515	4.08647	4.6969	4.12809	4.63367	4.01078	5.41573	4.30155	4.1501	5.08913	4.13045	4.41965	4.53056	4.32142	4.05249	4.09367
LINC006	2.88015	5.76231	4.87909	4.9312	5.19435	5.31609	4.76528	5.53727	5.21762	6.12195	5.54831	4.20427	6.17486	6.10444	4.97312	5.95076

LINC006	2.97887	4.74107	3.53909	3.34362	3.94138	3.37364	3.78772	4.24199	3.53624	4.08778	2.67782	4.2106	3.30564	4.01812	3.98702	3.45239
LINC006	5.82837	5.66976	6.10848	6.03276	4.92674	6.18	6.1223	6.26155	5.94981	6.53737	5.10961	4.63689	5.42917	5.82543	5.04161	4.76686
LINC006	4.09091	4.44278	4.48131	4.36417	3.85359	4.24199	2.68152	3.59527	3.48703	3.50136	3.40575	3.79931	4.26564	3.85758	4.22557	4.57356
LINC006	1.64611	0.79	2.93758	2.81334	2.85371	2.03544	2.45415	2.64349	1.45473	0.93298	2.93839	2.15748	4.8922	2.25724	1.22113	1.27255
LINC006	5.90515	5.87195	6.03071	5.98749	6.09404	6.11511	6.34285	6.50191	5.79184	6.01099	6.03361	6.27858	5.59895	5.23587	6.10334	6.89348
LINC006	2.47437	2.72769	2.07548	2.65796	2.02496	2.21366	2.5047	3.27157	2.18568	2.80132	1.82109	2.41615	2.8623	2.65463	2.52969	2.63794
LINC006	1.32695	1.91586	1.23236	1.93131	2.1445	1.63688	1.49083	2.43067	1.87545	2.34717	1.67696	1.59868	1.4697	2.18939	2.14289	2.04035
LINC006	1.74742	4.42829	4.55126	4.76672	4.48291	5.76458	4.89377	2.64349	5.30524	2.93344	4.52735	4.83368	5.43532	4.80703	4.86513	4.31542
LINC006	4.26669	3.60842	2.70549	2.97356	2.42207	5.03249	3.32901	3.86842	3.06765	5.84343	2.72092	4.13105	3.21485	2.48051	3.34075	3.49413
LINC006	7.50721	7.85043	8.38151	7.93959	7.64555	7.45251	7.97635	8.22263	10.0697	8.84133	8.15253	7.32899	8.81664	7.42042	7.59004	8.44731
LINC006	5.86446	5.59446	6.87019	6.34698	7.0257	7.67591	8.81024	5.68015	6.05015	6.74102	5.7354	6.76788	7.31004	8.00902	7.22255	7.75166
LINC006	9.92959	9.7543	9.83745	10.1401	8.61779	9.90298	9.06963	9.19498	9.52795	9.19651	9.01865	9.93446	8.42548	8.92227	8.47386	8.35767
LINC006	2.94778	2.79266	1.3689	0.64437	2.0729	1.42001	2.67152	1.3689	2.22165	2.38782	1.36661	1.80953	1.29724	2.74868	1.85273	2.01298
LINC006	5.39763	5.29717	4.43529	5.43831	5.93462	7.51588	5.44093	5.48699	6.72157	5.49383	3.70318	6.19295	5.6046	5.21946	5.75452	7.41725
LINC006	6.47253	6.3379	6.86811	5.5734	4.88503	5.57129	5.48773	6.24413	4.65694	5.92351	5.19903	5.03203	5.20307	4.57499	5.40153	5.62801
LINC006	0.9979	4.65407	5.1255	4.2786	4.39851	4.39841	4.96563	5.19716	4.7581	2.44811	4.9433	5.01256	5.25748	4.3596	4.21327	4.48935
LINC006	4.44124	2.92455	1.775	2.53683	4.79506	4.37497	2.91595	2.629	3.01274	4.06234	3.383	2.64433	4.93512	3.56819	1.59296	4.64112
LINC006	2.79297	2.65522	3.81806	2.34348	3.44117	2.5608	4.11808	4.85346	5.09372	4.31978	2.30098	3.88029	2.66449	2.51368	3.5512	3.03549
LINC006	2.50129	4.14691	1.88755	3.46996	3.97307	2.27957	2.47678	2.49961	2.67969	5.58847	3.98737	2.07548	5.74785	3.24563	3.00483	5.35438
LINC006	5.75211	3.50584	5.85199	6.20878	5.92656	6.27405	6.46361	3.41422	6.18254	5.94115	5.67273	5.94601	6.80863	5.51092	5.93713	6.33253
LINC006	5.38528	6.19272	5.7991	5.19961	6.01309	6.31673	6.29926	6.90293	6.44222	7.06255	5.84854	6.44179	5.69979	6.00568	6.34271	7.1559
LINC006	5.9357	5.37077	3.0591	5.64638	6.80229	5.01511	5.50534	6.49559	6.01713	6.56332	4.35441	6.31734	6.88118	4.93015	5.95533	5.91883
LINC006	2.21029	1.67217	2.17949	1.80217	2.10233	1.90997	2.0296	1.73724	2.39727	2.19868	2.3203	1.94688	2.10686	2.37224	1.92074	2.38828
LINC006	6.11248	6.48339	6.06308	5.60986	5.89251	6.06266	5.92167	6.6551	6.8921	6.1677	6.41408	5.78258	6.5839	5.80509	5.55993	6.41831
LINC006	3.58305	3.97356	3.75986	5.12829	3.85906	3.46771	4.75855	5.23799	5.08025	5.63871	2.12186	4.03638	4.32396	4.6316	4.35008	2.63048
LINC006	2.21029	4.47322	4.66716	4.3989	4.4943	5.39763	3.27441	4.49662	5.41128	4.64479	2.63321	2.46803	3.54537	5.09791	4.74294	3.20278
LINC006	1.11909	1.01454	1.23236	2.45536	0.59539	2.27957	0.93298	1.91261	1.39887	2.01376	2.07483	1.94688	2.34547	1.02124	1.31925	1.21992
LINC006	2.40819	5.25494	2.35871	2.85497	2.1445	1.81697	3.12496	2.61382	2.50218	3.29126	1.20713	3.07028	2.39587	3.10839	3.15051	2.63794
LINC006	3.82982	2.94714	3.79811	3.15929	3.83175	3.8659	4.12999	3.52249	3.33041	3.92077	3.8925	2.59016	3.91647	4.22367	3.15051	4.38335
LINC006	6.67225	6.52222	6.95049	5.78328	6.79734	7.19439	6.50096	7.23955	6.59181	6.90821	6.44405	7.16525	6.95033	7.0935	6.40806	7.24802
LINC006	6.15937	6.36671	6.10632	5.37312	5.33875	5.63393	5.26618	6.53849	5.86958	4.05738	6.07804	6.13746	5.71853	5.82837	5.87687	6.61659
LINC006	7.15992	7.79266	8.17509	8.14326	7.78913	7.12084	6.74395	7.31755	8.07098	8.52577	6.95188	7.56421	7.26141	7.23443	7.1494	7.51329
LINC006	5.60724	4.67521	5.99607	5.65354	5.37077	4.96837	5.16332	5.6453	5.56523	4.92663	4.73761	3.32466	3.66589	5.3792	4.89817	4.15607
LINC006	2.94778	3.21812	2.95766	2.67969	3.10976	3.04945	2.78886	3.15288	2.70734	3.172	2.80891	3.58989	2.68899	3.27909	2.94685	3.18938
LINC006	4.40518	4.96907	5.94381	4.2803	4.28288	5.22858	5.93381	5.11999	5.8358	5.27924	4.79183	5.72712	6.36854	5.89412	4.31963	5.47803

LINC006	5.13936	4.83125	4.99814	4.9633	5.19028	4.44454	4.92903	5.06568	4.71759	4.80845	4.68783	4.49077	4.94613	4.88734	5.19399	4.9692
LINC006	5.96635	5.57001	4.72517	5.35398	4.74392	4.978	5.07257	5.76939	5.82134	4.70148	4.44582	4.86718	5.33762	5.52799	5.38679	4.65655
LINC006	3.50641	4.69821	3.82945	4.30301	4.10281	4.17744	5.13607	4.17491	4.32878	4.40345	3.90264	3.35515	4.60058	4.04474	3.59882	4.08829
LINC006	6.03795	6.34562	5.81102	5.97567	6.75273	6.0385	6.70344	7.10162	5.89038	6.35913	5.4439	5.95026	6.53433	6.64006	6.20756	7.23024
LINC006	6.84013	6.92499	6.65787	6.70223	6.99984	6.67595	6.66307	6.51534	6.85927	6.93041	6.44753	6.64563	6.93009	6.85738	6.94991	6.64649
LINC006	5.89338	5.4303	4.27544	5.81304	5.90579	6.48445	4.58061	5.40572	4.42376	5.91108	6.81597	6.21114	7.20836	6.43737	6.01209	7.13062
LINC006	1.19711	3.73984	1.44831	3.21843	1.48455	3.71116	4.31322	4.7289	4.67119	1.0625	3.12278	3.99715	4.73847	0.35046	3.51602	2.82844
LINC006	3.2892	3.80117	3.96928	3.465	3.33341	3.94952	3.81298	3.44185	3.96139	3.0463	3.27215	3.35726	5.26053	3.27115	2.46771	3.26871
LINC006	5.28671	5.17157	5.43789	4.7949	4.40686	5.93403	5.08709	3.23218	3.15245	3.79424	6.63407	5.6454	5.67961	2.97219	4.12652	3.70541
LINC006	3.25147	3.47417	4.06126	2.06899	2.2597	3.84347	2.31492	3.90071	4.17624	5.17832	2.10233	1.80953	3.47767	5.15309	3.18863	3.63765
LINC006	7.18152	7.39456	7.37995	7.55068	6.71808	7.23672	7.67128	7.02701	7.19009	7.14059	7.12179	7.40581	6.44252	7.27047	7.24927	7.01498
LINC006	6.43268	6.03318	5.28328	5.64301	5.19056	5.54788	5.98188	5.77696	6.22601	5.00256	5.17515	6.14652	6.41115	4.93308	5.72647	5.45949
LINC006	2.55807	1.58173	2.46272	2.36312	2.29738	2.93381	2.06028	2.46648	2.86093	2.04282	1.82109	4.57959	2.66449	2.13594	4.61929	2.4155
LINC006	4.15633	5.21546	5.0199	5.26572	4.9083	5.61194	4.93154	3.67908	4.06039	5.91555	4.56115	5.38286	2.90755	5.84235	3.7606	3.61186
LINC006	2.91334	3.83303	3.9258	4.89377	4.03498	2.93381	3.95924	4.80693	4.09292	5.39491	4.11419	3.64264	4.03129	3.07586	3.37408	3.35278
LINC006	5.08353	4.382	4.73969	4.48323	3.95084	4.18842	4.65281	5.21296	4.39747	4.62626	4.64269	4.53544	4.79475	4.81338	4.78836	4.90758
LINC006	2.34348	2.34474	2.99564	3.10053	2.65839	2.99117	3.40901	3.21508	3.09248	3.29126	3.12278	3.35152	3.19903	3.01384	3.84111	3.76737
LINC006	4.74224	5.63336	6.04938	4.05472	5.34691	5.24358	5.23969	5.78534	5.28829	5.47514	2.83774	4.6265	5.69979	5.39607	2.81201	4.19396
LINC006	2.36339	2.92777	3.01908	2.66834	3.40595	1.38056	2.80064	2.56905	3.03403	4.92302	3.17475	2.90235	3.82524	3.13915	2.3531	2.00164
LINC006	4.64929	5.493	4.74775	4.72375	4.96712	5.63393	5.83954	6.09911	4.68603	5.17832	5.24795	5.89994	4.51181	5.51676	5.40842	5.91054
LINC007	5.17376	3.3786	3.69741	1.80217	4.05118	3.4746	4.48301	4.92065	4.6132	5.43853	2.27492	3.82629	4.28649	4.04773	3.06557	5.24773
LINC007	1.50761	1.22235	-0.0746	1.50761	0.84574	1.85868	1.03884	1.31605	1.18021	1.5458	1.03174	1.01454	3.21485	1.27177	1.6611	0.9183
LINC007	4.97697	4.27565	3.85298	4.6811	4.58601	5.37887	4.9822	2.58708	5.15933	2.69205	4.51495	4.99448	3.50584	2.74868	3.80377	5.38269
LINC007	6.0156	5.73158	6.42921	6.0002	6.11853	6.34737	6.00799	6.0882	4.60738	6.57312	5.78593	5.74275	6.23343	5.99187	5.16778	5.60896
LINC007	3.5501	2.1636	3.66581	3.97084	3.73118	3.6256	3.65785	2.37778	3.45216	3.8925	3.40575	3.89608	4.07063	3.64454	3.55805	3.80861
LINC007	2.00108	2.63607	2.44429	1.89139	1.3442	1.42001	1.63196	2.21132	1.69898	1.87612	1.54854	2.83233	4.13938	1.5436	1.35876	1.70353
LINC008	5.83661	6.18358	6.17676	6.16976	5.78287	6.06123	5.49356	6.90439	6.05312	5.83411	5.83411	6.19406	5.8257	6.54319	6.07493	5.82554
LINC008	2.34348	2.26456	3.04356	3.50564	2.89774	3.04945	1.32308	2.58708	3.31034	2.23712	2.58746	2.73426	3.26844	1.78331	2.54889	2.47807
LINC008	0.49324	0.55223	-0.238	1.33008	-0.4198	-0.5013	0.61735	0.64273	-0.238	0.65546	-0.2642	0.22408	-0.2855	0.35046	0.33356	-0.133
LINC008	5.49464	2.04582	5.27758	3.48474	5.22539	3.55971	4.34799	5.72689	5.51033	3.50939	5.14857	5.29643	4.98271	4.43638	3.98218	5.63419
LINC008	3.80647	5.28996	7.5658	3.36292	7.69466	3.55971	8.41922	8.16729	7.00541	3.53934	3.52473	7.25719	8.28037	8.56052	7.63182	8.34481
LINC008	3.80647	6.04321	5.08822	5.12521	5.2999	4.91834	3.70182	5.70528	3.76729	3.75611	5.76663	3.87137	5.38015	4.31831	3.84111	4.76686
LINC008	2.72538	4.90793	2.68367	2.98748	3.14557	3.85447	2.9333	3.45352	2.73661	2.34717	2.73426	4.13105	3.32016	2.93125	2.95994	3.61186
LINC008	3.16429	1.94258	2.29132	2.40724	1.97947	2.27957	2.20014	2.10233	1.32709	3.11051	2.58746	1.54854	2.96494	1.64103	1.94998	2.47807
LINC008	4.13997	5.30505	5.51657	5.21663	4.76067	3.63988	4.34799	3.52249	3.31034	2.38782	3.68444	3.96659	3.68721	4.01187	3.10868	3.89582

LINC008	6.22575	6.74472	7.21396	6.80813	6.41189	6.66349	7.17943	7.5199	7.02591	7.09038	6.13608	6.59208	6.8423	6.63901	6.6161	7.01033
LINC008	6.7349	6.59293	6.95049	6.04567	6.00448	6.76201	7.14716	6.5296	6.89708	7.1342	6.81244	6.41319	6.05349	7.24743	6.13977	7.04081
LINC008	3.82982	3.50584	1.73976	4.24629	5.11666	4.83368	5.27116	4.92065	3.98331	3.8925	4.3732	3.3015	2.29255	5.05858	4.45395	2.19188
LINC008	4.43162	3.60842	3.63509	2.93958	3.14557	3.33634	3.23578	3.0481	3.69577	3.82085	3.21922	3.47261	5.44364	4.03667	3.87472	4.92816
LINC008	5.79778	4.62869	5.58275	6.29525	6.16926	6.19141	6.1846	5.42199	6.26239	5.51424	5.44215	4.92917	6.48199	6.12371	6.17628	6.53759
LINC008	2.93125	2.81246	3.0591	3.48474	3.07162	3.11933	2.78886	3.0093	3.06765	3.26858	3.0131	3.78165	2.88174	3.73088	3.23099	3.08868
LINC008	3.16429	3.75879	3.57935	2.73925	4.24744	4.17971	4.28532	3.73495	3.6792	3.68301	5.039	3.65608	5.27879	5.13618	3.50176	3.97214
LINC008	3.28382	5.65871	3.64098	3.24321	3.78235	3.79752	2.9333	4.70767	4.69241	3.8429	4.44278	3.75239	2.46016	2.91144	3.30762	3.10689
LINC008	8.33937	7.63808	7.11937	7.60958	6.51258	7.98242	8.09341	7.207	7.64555	7.9949	6.56058	7.15193	7.46659	7.5405	7.59394	6.36799
LINC008	2.93125	2.70876	1.88755	2.88071	1.97947	3.15165	2.1009	1.67907	2.18568	2.23712	2.15913	2.81338	4.85376	1.78331	3.92173	4.08624
LINC008	7.06455	7.27263	7.28385	7.32949	6.93425	7.04207	7.44743	7.91644	7.37019	7.20528	7.26885	7.80198	7.98082	7.46126	7.49962	7.61764
LINC008	2.99269	3.30714	2.6271	4.18699	4.43077	3.07162	3.32355	4.1436	4.78521	4.15981	4.73386	3.19037	4.26628	4.18908	2.83429	4.25587
LINC008	3.97679	3.19069	5.08822	2.52969	4.24744	5.13815	5.30403	4.28482	5.55466	4.92142	4.26259	2.99228	3.64142	4.45641	4.14967	4.4838
LINC008	3.16429	3.38769	3.61284	3.54894	3.30882	3.01096	3.35187	3.13235	3.2065	3.09196	2.99709	3.6339	3.34323	3.34999	3.52918	3.39583
LINC008	2.72538	2.56774	3.7147	3.71004	3.80647	3.40348	2.56625	2.91144	3.71298	3.91319	4.04541	3.93749	2.98256	3.79618	3.89112	3.87671
LINC008	3.68019	5.56894	5.78627	6.27239	4.61145	5.63647	6.2519	4.06126	3.31034	6.22886	5.05683	4.86421	3.77256	5.91948	4.71918	4.92092
LINC008	4.21462	3.35252	3.44341	3.76038	3.10976	3.25596	4.21561	2.98628	3.36695	4.05738	3.06624	3.72108	4.28649	2.97219	2.72952	4.2654
LINC008	4.0831	3.32466	4.22425	4.97034	2.97095	5.08982	5.13292	3.93793	4.38384	5.13192	5.18915	5.46197	5.00579	5.04615	4.3989	4.72447
LINC008	4.98232	5.26406	4.35575	4.14289	4.47417	5.49824	4.48075	4.09259	5.3795	5.06334	4.94472	4.46942	4.89553	5.23178	5.37653	4.28431
LINC008	5.49356	3.27772	3.08321	4.49209	3.57447	3.88013	3.46594	3.30026	3.14573	4.22631	5.08207	4.71325	3.93262	3.73544	5.39096	4.39682
LINC008	6.78015	7.47541	4.9112	6.88127	4.61811	4.54584	6.96254	5.34947	4.66437	4.72103	5.48925	6.74201	5.08514	5.81335	7.08284	5.08786
LINC008	2.34348	3.09358	2.79272	2.83422	2.85371	3.11933	2.63794	3.17146	2.61941	2.31329	3.15604	2.71947	2.92938	2.74868	3.69726	1.92725
LINC008	7.07497	7.1777	7.383	7.06794	6.7294	6.95926	6.46249	6.56002	6.69641	7.77079	7.19055	7.34297	6.36684	5.61473	6.5465	5.01734
LINC008	2.40819	2.93032	1.97795	2.58828	1.97947	2.36638	2.20014	3.66599	2.83517	2.69205	2.24458	2.76999	3.64142	1.4403	2.59102	2.7492
LINC008	5.30253	3.75879	5.44533	6.04938	5.95694	5.35829	5.50534	6.19649	5.60919	4.5207	3.65785	5.97829	6.35449	4.77727	5.93713	4.68101
LINC008	7.06332	5.80439	6.61905	5.3524	6.27134	6.16175	6.02667	6.387	5.39064	6.85041	5.46456	5.55179	5.72094	6.03389	5.83977	5.79136
LINC008	5.27954	4.68622	5.01135	4.15773	4.19874	4.75373	3.82238	4.90106	4.47847	4.5873	3.61778	4.55074	3.5945	4.7616	4.67186	4.22024
LINC008	5.95242	3.74825	5.77027	5.72192	6.01803	5.52508	4.57297	4.70767	3.78033	3.65408	5.30084	4.05356	2.90755	5.21946	3.50176	5.18553
LINC008	3.17857	3.30026	3.13257	5.03667	3.52527	3.4746	4.06264	4.83606	3.2065	3.05259	3.20659	6.16473	5.93689	3.46534	5.25726	3.40822
LINC008	6.9197	6.62048	5.69999	6.90468	5.66258	6.53227	6.84972	6.00856	5.54011	5.67573	5.56983	5.84226	6.40621	5.69615	5.94284	6.2833
LINC009	4.02372	4.93653	4.14797	4.4903	4.30918	5.08694	5.36786	5.16393	4.04173	5.2002	5.3089	3.94907	4.0662	4.16438	4.01369	4.79283
LINC009	3.57397	3.03524	2.55526	2.34348	2.33881	2.11228	1.54854	2.52957	3.31034	2.93344	1.91586	2.56799	2.42653	2.44811	2.6136	3.28662
LINC009	4.61264	6.0302	6.12102	4.42997	5.98671	6.15334	6.27821	5.86281	5.74444	5.23031	5.88871	5.92904	6.83799	5.83086	6.24733	6.19135
LINC009	5.12745	4.08875	4.04694	3.73945	3.84331	4.47194	5.88592	4.67765	5.42868	3.79424	4.19874	5.55526	3.51845	4.09275	5.28144	3.66526
LINC009	4.25735	3.75544	3.32134	3.29216	3.95471	4.10752	4.11186	4.22052	4.72556	4.26368	4.16067	5.18934	3.25613	4.1225	4.53865	4.89932

LINC009	5.8635	4.39048	3.27087	3.99184	4.32344	4.42849	3.52979	3.7594	3.8377	3.41062	3.21389	4.91294	3.65314	4.53994	3.73212	3.30714
LINC009	7.58505	8.05859	7.80604	8.42706	8.79695	8.18359	8.53664	8.70278	8.30594	8.29063	7.51379	7.37944	8.46765	8.39965	8.69038	8.01894
LINC009	2.56727	2.43255	2.60961	2.60621	3.28822	2.13712	3.24748	2.25288	2.69786	2.14279	2.79431	2.54096	2.80925	1.87098	2.05479	2.11428
LINC009	5.45261	3.71942	3.38079	5.67285	5.64806	5.65893	5.59967	5.42199	5.3574	2.72148	5.22179	5.47823	5.19806	4.49472	5.62497	5.63419
LINC009	2.08404	5.8404	2.23187	2.55745	2.21727	3.41719	3.20323	4.87944	4.3125	1.78758	4.46398	4.82852	3.66589	2.86263	3.78253	3.57557
LINC009	1.79935	1.71163	2.56774	2.97356	2.39414	3.54848	3.12496	2.17246	2.53538	2.31329	2.6113	2.10229	2.59488	3.33112	3.37408	1.66002
LINC009	5.40326	5.21546	5.49842	6.29983	5.61759	6.0512	2.47678	4.84732	4.76618	6.75307	5.28273	4.94936	5.80193	4.6923	4.44094	5.21582
LINC009	5.94789	6.28426	5.47111	5.64638	5.65461	5.24358	6.17611	6.22568	5.63875	6.82917	6.01229	6.50835	4.80971	6.32966	5.36869	5.75568
LINC009	4.29421	2.51658	1.97795	2.69863	1.69898	1.19537	2.70047	2.81438	4.61934	2.31329	2.01441	2.44179	3.0877	2.09344	2.10058	2.92719
LINC009	4.99067	5.17869	7.14735	6.01673	5.34691	6.02988	5.9041	6.0932	5.97212	6.71827	5.81954	5.41972	5.94375	6.13065	6.10334	4.09222
LINC009	2.18846	2.64874	2.54448	2.56958	2.62266	2.54725	2.9749	3.54548	2.48692	2.65028	3.05202	2.33881	2.3864	2.27019	2.83517	2.87957
LINC009	7.38533	8.41642	7.22985	8.11278	7.28019	7.64368	6.59605	7.06179	6.87216	6.323	6.21081	8.09031	6.17432	5.50296	7.00009	7.27347
LINC009	4.25437	4.52964	4.24814	5.29804	4.23866	4.44904	4.81051	5.48278	4.0743	4.40651	4.10281	4.11032	3.8649	3.65386	3.44604	3.66727
LINC009	5.42243	2.39163	5.10007	3.96234	5.61759	5.066	2.96225	4.15015	3.72995	5.61936	4.86617	4.90119	4.02061	6.09501	3.68625	5.3398
LINC009	5.71671	5.78029	3.64717	5.70272	4.92078	3.6256	2.75954	5.17376	3.50839	5.9856	3.18189	5.59616	5.71666	5.11206	5.58948	5.64846
LINC009	7.17689	5.94638	7.15432	6.63175	5.68081	6.21688	7.26403	6.62771	6.87096	4.44111	6.65447	6.61625	7.45982	4.85467	6.02788	6.89769
LINC009	2.40819	3.56819	1.01461	2.03633	4.20446	2.74824	1.85693	3.23218	0.36087	3.2328	4.08852	1.87757	4.6382	2.44811	2.89621	1.85717
LINC009	2.85784	4.07403	3.97055	3.87736	4.41516	4.06264	4.41106	4.08791	3.99376	3.80685	5.70475	3.73633	5.89672	4.2645	3.77502	3.82034
LINC009	4.49797	4.90215	2.27099	3.23213	2.97095	3.27349	3.97251	2.95859	2.86093	3.47656	4.17832	2.86273	2.17097	3.82047	2.41671	3.47381
LINC009	7.53803	7.27991	7.00694	7.72037	5.22539	6.94198	5.98797	6.15898	6.76152	7.13227	6.28105	8.02733	7.0308	7.13305	6.70448	6.50648
LINC009	4.1368	3.3733	4.44748	4.12376	4.07056	4.4062	5.09145	3.97447	4.13078	4.24573	4.14676	4.89915	4.22737	4.46777	4.24079	4.22546
LINC009	5.51444	5.63022	6.20531	6.68077	6.03826	6.44633	5.21834	5.36506	5.20492	6.5997	5.93531	6.07538	6.64794	6.62436	5.42456	5.98586
LINC009	3.79639	3.51602	3.15379	3.6256	3.45301	3.5856	5.2506	2.61382	3.36695	3.75611	3.19795	2.61134	2.68899	3.70919	3.20278	2.38828
LINC009	5.23378	4.31871	5.30292	3.9093	4.78336	5.72395	5.6132	3.98812	4.17313	4.61408	4.43347	4.34603	4.87214	4.10752	3.24005	4.33537
LINC009	5.08159	5.00175	6.44114	6.09232	6.03493	6.0237	6.48103	5.96298	4.87944	6.86171	6.27556	7.41252	5.0263	5.75347	6.12305	6.14635
LINC009	6.14853	5.84269	6.36178	5.62668	6.35935	6.34464	6.37898	6.83931	5.50898	6.17517	5.87211	5.67397	5.15403	5.98551	5.99607	5.41012
LINC009	8.25579	7.72862	5.43429	8.51784	5.71666	5.82753	5.68293	5.21149	5.56217	5.58847	4.52313	5.53254	4.07063	5.85636	4.9796	5.63859
LINC009	4.14888	2.74824	3.79811	4.07722	3.97307	5.34499	4.16867	4.16157	3.81646	4.02075	3.75879	4.03129	2.73615	4.06652	3.17223	4.2961
LINC009	6.59208	5.7174	5.76333	6.27672	6.57801	6.97548	4.03876	7.13744	6.7305	6.70182	6.46817	7.08674	6.8728	6.74587	6.69321	6.45994
LINC009	5.06203	3.58335	3.86359	4.97034	3.35289	3.83233	5.58885	5.63833	4.9172	5.72202	3.37552	3.47261	3.40212	3.50494	3.71004	4.30438
LINC009	3.14636	4.52298	4.45763	5.13328	4.15744	3.93664	3.03237	3.3596	4.58372	4.19403	3.65785	4.73947	4.50434	4.39545	4.93457	5.13703
LINC009	4.85971	5.54309	5.19994	5.324	5.10323	5.40857	5.50211	5.22148	5.30178	4.91646	5.30442	5.06033	4.99102	5.06128	5.34717	5.10609
LINC009	4.14888	3.42761	2.98152	3.39777	2.50418	4.64364	2.1009	2.61382	3.86642	3.39891	3.09709	2.10229	2.49591	2.77311	3.75151	2.07548
LINC009	8.14058	7.85403	7.6227	8.54454	7.43529	8.15692	6.22158	7.84813	7.4092	7.83903	6.67683	8.3475	7.4619	7.62934	7.78548	7.78616
LINC009	5.70543	5.68112	5.43281	5.38104	3.80004	4.51664	6.03898	6.02045	4.09851	3.98497	5.34279	5.28927	3.79318	6.78332	4.4039	4.33068

LINC009	5.59425	6.82532	7.93681	6.91547	6.24434	7.71463	7.71299	8.14084	7.28099	5.64594	6.43451	8.25718	8.24403	6.09697	7.26026	8.0875
LINC009	2.64708	3.80054	2.26456	3.40212	2.54613	2.62149	2.55293	2.97568	3.26332	2.70831	2.89287	2.35791	1.98828	2.46901	2.85667	2.4842
LINC009	4.89207	4.37224	2.88857	3.49996	5.35681	2.79263	6.1861	5.90014	3.98045	3.77256	2.79648	2.80891	2.99038	5.13936	4.42934	5.50898
LINC009	6.455	5.94415	4.17548	2.58828	7.56501	4.10435	7.52337	4.30714	5.66243	7.05993	5.46764	4.4103	4.9034	6.04132	3.7365	4.11111
LINC009	3.6565	2.61396	4.45763	3.71004	3.49824	1.00765	3.53968	0.64273	3.97161	4.34627	3.54938	5.37322	3.65598	1.02124	3.64338	4.80755
LINC009	2.23882	2.89801	2.23187	2.184	3.62835	2.36638	1.85693	1.83717	3.85447	1.15042	5.13338	2.44179	2.34547	1.36152	5.46222	2.82844
LINC009	7.56925	6.03515	7.45647	6.53507	7.21764	6.87082	6.92944	6.32017	6.39214	7.2034	6.62269	5.72697	5.31355	6.04203	6.21697	5.75236
LINC009	2.08404	0.62135	0.9957	1.89139	2.21727	0.61335	0.83956	1.83717	1.1038	0.75071	0.81405	0.82494	1.82475	0.55613	0.6733	1.89302
LINC009	0.9979	1.40126	0.44922	4.02962	3.86774	3.25596	4.06264	3.19037	3.19069	4.39917	3.06624	1.01454	0.6691	1.1104	4.61047	1.15718
LINC009	4.27879	4.67236	4.68783	4.63503	3.75676	4.80528	4.04247	4.37224	4.07529	5.04313	4.2998	4.48984	4.50111	4.65137	3.44868	4.21204
LINC009	3.11441	3.71942	3.13257	2.4789	3.35289	3.72561	3.42552	3.13235	3.38569	2.47565	4.77111	3.29115	4.6779	3.55944	3.13607	3.42878
LINC009	3.28382	4.26036	6.43984	5.64455	5.09517	6.1695	3.27441	6.65275	6.37833	4.00197	4.81597	6.15572	4.4044	3.21424	5.18256	4.68565
LINC009	4.5915	3.40952	3.575	4.24079	3.51927	4.17704	4.17188	4.57356	3.52295	3.8513	4.23422	3.84597	2.97179	4.06039	4.49377	4.84753
LINC009	8.45287	8.86712	8.66746	8.75966	9.12408	8.48158	9.38768	9.41817	8.78616	8.2561	8.77123	8.52003	9.39963	8.97278	9.90783	9.5431
LINC010	5.588	5.34279	6.42338	4.92884	5.43557	6.15181	6.04492	5.31079	4.94515	5.52519	5.41737	6.11232	4.52648	6.12451	5.80121	5.74677
LINC010	7.78913	7.98438	7.8583	8.82487	8.20284	8.3341	7.65934	7.87272	7.34856	8.08426	8.11404	8.05638	8.13666	7.60493	8.7291	8.98061
LINC010	4.84861	4.72787	5.18485	4.61534	4.67342	4.68708	4.44582	5.14958	5.18508	4.98681	5.56083	3.51239	5.45744	4.89718	4.62693	4.71959
LINC010	5.49125	4.59455	3.93627	5.16352	4.67141	4.41713	6.08549	5.88688	6.33445	5.16393	5.0929	6.92808	5.55596	5.96143	6.04054	5.78145
LINC010	3.39513	3.11174	3.28947	3.06525	3.2065	3.22527	2.78886	3.27157	3.31034	2.97414	3.3963	2.86273	3.67703	3.29459	3.52918	3.04866
LINC010	3.00675	4.79439	2.33881	3.76038	2.0729	5.65192	5.31453	3.37974	3.40648	4.89182	2.86424	2.59016	2.42653	5.22492	3.98218	1.21992
LINC010	4.5667	6.22659	4.57259	4.55254	4.86237	4.6711	4.80647	4.86538	4.6209	4.71122	4.16273	4.52911	5.49037	4.82733	4.50111	4.37968
LINC010	3.33951	3.84364	3.22117	5.41414	3.01001	3.45096	3.76501	3.31083	3.71298	4.96614	3.0131	3.68084	3.50584	2.99448	3.55805	3.2169
LINC010	5.76053	5.17403	5.31821	5.50431	5.0159	5.38391	5.61824	6.21356	5.47346	5.41316	5.53799	5.04296	6.05731	5.4188	5.23682	5.55891
LINC010	6.58037	6.87781	5.09503	6.04278	6.09404	6.02598	5.75951	6.74019	5.74686	6.56491	6.621	5.92904	6.54092	6.64264	5.95533	6.71983
LINC010	4.74756	3.50584	3.53502	3.72039	2.83544	3.24275	3.18384	3.60236	3.5404	4.31978	4.02808	2.89774	4.92663	3.29459	5.21162	4.2888
LINC010	3.84644	3.27842	3.21843	4.45813	4.43867	3.91275	3.64059	4.39545	2.84792	3.27847	4.7199	3.7093	4.27513	3.77904	3.62918	4.17406
LINC010	1.44194	2.01809	1.76827	0.47227	1.11444	4.49442	0.93298	1.3689	3.9348	3.94629	4.66481	1.122	1.63986	1.02124	0.6733	3.2169
LINC010	7.75974	7.01967	7.1062	6.73228	5.03304	6.38904	6.52041	6.10828	5.89594	7.26605	5.32102	7.26275	6.69536	6.21121	4.51056	5.96981
LINC010	4.4643	5.88955	4.7747	6.1019	5.50938	6.21045	4.68519	6.83201	4.9433	5.73126	4.68317	6.63574	6.63353	4.94851	5.8045	4.65128
LINC010	6.91366	7.70022	7.40895	6.76409	7.16353	7.13034	7.49239	7.46636	7.30969	7.07983	6.68989	7.33133	7.26733	7.67312	6.79971	7.57333
LINC010	3.38625	4.12088	4.24885	3.95789	3.17246	3.76927	3.26373	2.45096	3.96416	4.30957	4.13444	3.29484	3.92436	3.44975	2.13074	3.41378
LINC010	3.16429	3.55786	3.42172	3.30112	2.79083	3.27349	3.58877	4.00856	3.11326	3.80685	3.20659	3.60204	3.47767	3.52815	3.0951	2.76844
LINC010	5.38177	4.25266	4.08953	5.02046	5.70072	6.21237	4.42885	3.96044	3.82945	5.14202	4.34451	3.71438	5.86376	5.51676	4.84645	5.16989
LINC010	4.85757	6.32268	5.50045	4.7949	5.58344	5.77015	4.83835	5.26099	5.18657	5.08139	5.0985	5.23021	5.34576	5.02185	4.74294	5.59764
LINC010	5.82524	6.61588	6.45894	6.40719	5.51597	6.0054	5.34129	5.91876	5.96981	4.79873	5.46764	4.45556	6.41831	6.30203	5.16539	5.72837

LINC010	3.35226	5.45949	5.33688	4.16395	5.28004	4.90919	5.74842	5.50579	4.19706	4.33627	4.30729	5.76939	4.35356	5.45508	5.30979	4.65128
LINC010	2.25774	2.42965	2.629	2.75132	2.98506	2.82844	2.71495	3.38887	3.32355	3.9093	2.70831	3.06525	2.89593	3.4834	2.75431	2.93245
LINC010	5.04313	5.22934	5.32945	4.69357	4.74336	5.61631	4.75563	5.57398	5.59022	5.40857	5.33781	6.61504	5.59734	5.72846	4.37083	3.73393
LINC010	3.06503	3.87677	5.55283	5.55949	4.77053	4.3237	4.85299	3.31083	4.47552	2.38782	5.18054	2.24796	4.48458	5.33833	4.64586	5.45261
LINC010	5.77426	5.60583	5.20327	5.45206	5.04627	4.61747	5.80493	5.58831	5.7325	5.92053	5.5734	5.91306	5.53039	5.86754	6.08253	5.27518
LINC010	4.88663	6.29363	6.3346	6.06534	7.71725	5.91451	6.06525	7.7303	7.03173	5.58847	7.18095	6.19045	7.93177	7.25283	6.78116	7.50047
LINC010	4.0831	3.88198	1.26539	1.85049	4.77053	2.48692	4.38384	3.37974	4.24836	2.47565	2.70123	2.95936	3.99596	2.54935	2.43868	1.80953
LINC010	5.90876	6.18435	5.37462	6.12617	5.26818	5.57868	5.02086	6.10828	5.3948	5.9972	3.6751	5.55179	5.66277	5.80421	5.43322	6.41313
LINC010	5.24458	5.00579	5.37093	5.13328	4.79743	4.24599	5.11637	5.61655	5.34823	5.58409	3.6149	5.29334	5.91468	4.15245	4.18506	4.76686
LINC010	1.84505	2.21392	1.73976	2.69863	1.48455	2.81599	2.81469	2.46648	2.47145	2.42411	2.99709	2.10229	2.52228	2.01506	2.49591	2.15094
LINC011	4.29421	6.18979	5.01649	5.58134	5.41899	4.06264	4.43758	4.1399	3.42477	4.38311	4.67727	4.73576	4.85376	5.73322	3.79392	5.95267
LINC011	2.08404	2.36797	2.48448	1.89139	2.50418	2.21366	3.12496	2.21132	4.06039	2.38782	2.13586	2.56799	5.25392	2.51368	4.83434	2.61375
LINC011	6.19203	5.10307	6.46966	6.22568	5.91887	5.73486	6.04417	6.03916	6.20767	6.00553	5.73862	6.33721	5.05022	6.34313	5.62022	5.91276
LINC011	4.20074	2.49227	1.82328	5.01314	2.79083	2.42212	3.20323	2.17246	2.73661	1.96807	2.56627	2.44179	3.25147	2.86263	3.03267	3.37025
LINC011	2.90857	4.15309	3.32935	3.27696	3.54525	3.36969	4.2296	3.03791	3.44273	2.76301	3.36189	2.87369	3.68301	3.57258	2.79035	4.27206
LINC011	3.69182	6.41424	5.72202	5.39225	3.84331	6.77908	5.06115	6.6117	6.04427	7.55124	5.45803	7.01721	5.85825	6.57908	5.91892	4.22871
LINC011	3.13246	2.84393	3.86359	3.83907	3.32431	3.22527	3.71929	3.79039	3.82945	3.63896	5.71334	3.66815	4.87351	3.39861	3.86469	3.13394
LINC011	3.58775	3.07762	2.46272	2.22193	3.96564	4.06264	4.67019	3.97032	3.40648	2.5437	2.99709	5.41972	3.25147	5.4694	3.01721	5.8509
LINC011	5.73217	5.32827	4.11056	4.61877	5.32334	5.51903	3.63379	5.66497	5.47507	4.60892	3.7868	4.95899	5.7379	4.09275	6.19375	4.25809
LINC011	5.26165	5.23996	6.70148	4.6439	6.55559	6.0709	4.82631	2.81438	5.37446	5.24505	6.01839	5.48379	4.78966	4.4695	7.46126	5.45261
LINC011	4.25043	4.2136	4.5951	4.32526	3.86774	4.70491	6.16959	4.6439	4.65199	4.14078	4.27533	4.24374	3.66589	5.12155	4.23617	3.80861
LINC011	6.94813	7.42256	6.86492	6.92674	6.7013	6.90107	7.26724	7.49656	6.745	7.42514	6.67922	6.92808	6.8423	6.79541	6.88011	6.85727
LINC011	2.45954	4.16757	4.03565	2.70506	2.98553	3.19558	4.12652	3.32197	4.02774	2.9174	3.03267	3.24634	3.84116	3.49642	2.83774	3.66697
LINC011	6.09691	6.30196	6.2245	6.52323	6.43539	6.52489	6.1336	7.02338	6.72277	6.54223	5.50599	6.38607	6.15236	6.60967	6.54247	5.10495
LINC011	4.32672	2.69944	4.02075	3.13119	3.63599	3.75383	4.07031	3.99949	3.60061	4.86073	3.87736	3.53187	3.30824	3.9523	4.0497	4.04867
LINC011	7.33649	6.85121	6.86297	6.56182	6.99884	5.91704	6.65474	6.46239	6.41737	7.36129	4.28892	4.90119	4.75769	4.65312	6.71599	6.24261
LINC011	2.61145	2.21392	3.0591	4.6439	3.18522	4.45963	3.52327	3.21508	5.48228	4.66095	4.42232	2.36593	3.38837	2.51368	2.47462	1.73976
LINC011	5.76238	7.36696	5.33349	6.97684	2.53024	7.59557	8.02774	4.22833	2.83517	3.79424	2.99709	7.4409	6.13336	8.81813	3.55805	2.69842
LINC011	5.60018	5.03019	5.40326	5.46774	4.71736	4.88397	4.86031	5.11285	4.54652	5.18024	5.13806	5.16305	4.82167	4.83778	4.95776	5.00585
LINC011	6.54672	6.52979	5.08025	4.37968	5.02245	6.8987	7.04472	3.77106	4.73561	4.98618	5.94499	4.93087	6.8912	5.50474	6.27821	2.81892
LINC011	5.47492	5.50359	5.94701	5.42199	5.34835	5.56083	6.13436	5.21072	5.48325	5.1601	5.59906	5.66806	5.74209	5.76786	5.66058	5.61798
LINC011	2.98506	2.41683	3.02585	3.89582	2.68714	2.51251	1.98828	2.21132	4.94929	4.6502	2.24458	4.05356	5.51437	5.69164	5.0902	1.92725
LINC011	6.03648	5.82956	5.1832	6.52511	5.79936	5.60919	5.69257	5.61655	6.4129	6.31502	7.12136	5.98264	6.82178	5.72006	5.93713	6.11877
LINC011	5.00639	4.53215	5.10681	4.41747	4.55308	4.95325	4.55792	5.52053	5.57414	4.84817	4.75885	5.21864	4.42232	4.72757	5.04313	4.9251
LINC011	5.28671	6.38623	4.57507	7.14019	6.88982	4.87977	3.25433	2.88789	1.53958	1.82992	3.90646	5.76354	7.45408	-1.1312	5.57124	2.07548

LINC011	5.63605	6.08635	6.86383	6.29719	5.9857	6.23661	6.24943	6.40584	6.55613	6.56402	6.12998	6.41224	6.1291	5.26406	5.99292	6.62824
LINC011	6.18447	5.4303	4.42592	6.42609	6.28514	6.28135	6.20735	6.23507	5.8109	6.33487	6.33219	5.4728	5.00103	6.32063	4.71122	6.26532
LINC011	4.45264	5.00579	4.31281	4.70214	4.67141	4.97295	4.65674	5.11563	5.039	4.66095	5.14857	4.90933	5.92314	4.86024	4.93457	4.94543
LINC011	4.35066	4.06571	3.85298	5.30542	5.82817	4.49442	4.10344	5.60047	5.48228	4.15112	4.3025	6.04935	3.85528	4.44959	5.954	5.58353
LINC011	3.4567	1.22235	3.07458	4.88936	4.81051	0.89896	3.68625	5.18831	1.32709	2.19868	3.88263	1.97567	3.90551	2.09344	1.81049	4.57777
LINC011	4.60678	2.1636	2.81121	2.79365	2.68714	2.53476	1.80024	3.25357	1.18021	2.44811	2.85145	1.84666	2.00801	2.74868	2.29341	2.96003
LINC011	2.61145	4.97234	4.37989	4.33153	4.82932	5.51903	4.73125	4.53792	4.29487	5.17832	4.57021	5.28666	5.92314	5.04161	4.79462	4.43077
LINC011	4.84143	6.5522	6.18254	6.68251	5.82	6.1695	5.10831	7.04836	6.69926	6.50709	5.27788	6.96496	6.89851	6.55559	6.42617	6.89348
LINC011	5.17869	5.80439	4.93219	4.53167	3.76997	5.84889	4.14005	5.62022	3.42477	5.26485	4.37803	4.47148	5.99292	5.36972	4.85844	2.15094
LINC011	7.48493	7.23093	7.25032	7.16101	7.0257	7.13353	7.10108	7.35613	6.66264	7.06144	6.91987	7.11335	7.12681	7.38866	6.67266	7.49709
LINC011	5.21864	4.05789	5.42404	4.88004	4.08624	2.07394	5.12739	3.6374	5.3524	4.21305	4.69149	4.6265	4.93183	3.41704	4.18051	4.50598
LINC011	5.26934	3.06378	4.42144	2.25844	4.24079	1.995	5.07033	2.04007	3.58282	2.44811	3.64053	2.99228	1.22969	2.28524	3.58891	2.73131
LINC011	4.02962	6.81544	5.32616	6.15904	4.3537	4.66192	6.5965	6.28749	6.24145	3.13394	6.23752	6.71924	6.77986	6.42667	6.4064	5.90062
LINC011	6.33556	5.55964	2.59102	4.56912	1.84689	3.33634	2.45415	2.58708	2.39727	3.62321	3.05202	3.04581	3.37673	2.25724	5.04748	2.73131
LINC011	6.30738	6.10345	5.14009	5.16778	4.94776	5.30569	4.87152	5.47803	5.79356	5.49882	5.49545	5.22442	4.75885	6.1129	5.27941	3.94319
LINC011	2.9557	3.43307	3.14677	3.34284	3.66155	2.57136	3.34265	2.881	2.57956	3.00027	3.14932	3.39802	2.80802	3.50971	3.1434	3.75544
LINC011	5.90772	5.92277	6.50191	6.33746	5.8678	6.09276	4.64863	6.41451	6.13739	5.85631	6.38175	5.40792	4.97087	5.91806	6.4057	5.9914
LINC011	1.92303	3.55786	3.97055	4.89377	2.02496	5.29139	2.47678	3.49069	5.58003	3.42914	4.61069	2.76999	4.82835	2.09344	5.49854	3.16144
LINC012	2.96659	5.25494	3.23213	4.32526	1.3442	2.15563	2.63794	3.08616	3.17124	1.5458	3.20659	2.04143	1.82475	3.09139	1.92074	1.45205
LINC012	4.75104	3.96234	4.7148	3.26676	4.68783	4.53474	4.16568	3.95179	4.78555	4.68622	3.42962	4.87205	3.76529	4.76131	4.42968	3.59667
LINC012	6.71414	5.53829	2.33881	7.17188	2.79083	1.19537	2.15094	2.04007	4.18653	6.56076	2.18694	3.27772	1.29724	2.05268	1.44837	1.62293
LINC012	6.4399	7.39793	5.49545	6.59503	6.58382	6.90744	5.9041	7.25283	6.87418	6.44639	6.87082	5.70078	6.55779	6.87216	6.88974	6.85958
LINC012	2.88015	2.86158	3.54384	3.80706	2.68714	3.6144	2.3531	3.49069	2.18568	2.80132	3.18189	3.00642	3.50584	1.78331	2.79339	3.40822
LINC012	6.35743	6.45045	6.83775	6.15584	5.94774	6.61296	6.56684	6.74345	5.75436	6.45207	6.3708	6.53487	6.21218	6.52623	6.67683	6.40279
LINC012	4.92663	5.29349	3.77106	5.47686	3.83175	4.44653	5.94871	4.20991	4.89893	4.57223	3.60639	3.41704	5.55596	2.91144	3.9328	4.97647
LINC012	5.84764	6.08983	6.35993	6.34219	5.71918	5.68938	6.55426	6.01092	6.17896	5.31378	5.79396	6.57468	6.23972	5.76562	5.86066	5.22723
LINC012	5.32883	5.45677	5.2998	4.36112	5.34251	4.99785	4.26699	5.59748	5.50616	5.65982	5.75622	5.18766	5.51045	5.43328	5.45936	6.3586
LINC012	5.94267	7.91854	7.24674	8.14451	7.46862	7.72159	6.02125	8.10034	7.56186	5.6287	5.91445	7.31858	6.99689	4.63315	6.90468	6.86113
LINC012	3.64066	3.38769	4.58744	4.2786	3.87693	2.88086	3.10453	4.59647	4.55066	3.8429	3.29289	4.93488	4.0405	2.01506	3.93945	4.74345
LINC012	6.94023	6.81306	7.20216	6.22361	5.93145	6.34737	6.39556	6.63473	6.88287	6.9331	6.41007	6.52754	6.35326	6.60229	6.36004	7.20391
LINC012	6.34034	7.26997	6.47236	6.83051	6.46984	7.15377	6.67721	6.72182	7.23499	7.00465	6.46387	7.30238	6.72743	7.08687	7.39688	6.54628
LINC012	7.45038	7.60624	7.46409	7.63211	6.98991	7.00926	7.4889	7.57009	7.23612	7.18371	6.61185	7.06583	6.92239	7.02701	6.74745	7.54069
LINC012	2.68367	3.09358	3.26549	2.63639	2.61273	3.04945	2.73211	3.49069	3.09248	3.31009	3.0131	3.25228	2.62575	2.68036	3.32134	2.94176
LINC012	7.23137	6.92733	7.29217	6.72579	6.30709	7.05419	7.22399	7.24254	6.88541	7.02436	6.74735	7.66558	6.88611	6.98153	6.95294	7.17193
LINC012	2.91334	3.52573	3.04356	3.25646	3.18522	3.09851	1.85693	4.30714	2.43603	2.04282	3.64053	3.35152	2.13674	2.65463	1.94998	2.71584

LINC012	3.43926	3.94655	4.34414	3.87338	4.09067	3.69409	3.69726	3.79811	3.25961	4.18642	4.12592	2.58128	2.44399	5.18206	3.52421	4.2857
LINC012	5.12745	4.71747	3.57935	2.61385	3.16569	3.04945	4.06264	3.37974	3.11326	5.69464	1.41342	4.95423	5.76985	2.82083	3.29289	2.5569
LINC012	4.88056	5.00175	5.16282	6.22361	5.26818	5.03715	3.85658	6.091	3.11326	5.37867	5.14516	4.6265	5.29339	5.9868	3.10868	5.24347
LINC012	5.88087	5.11285	4.93219	5.40179	5.52419	6.00893	5.05601	6.15572	5.54116	5.72202	5.61563	5.8373	6.33713	5.62801	5.10259	5.92868
LINC012	6.40964	5.71111	6.59614	6.40363	7.2937	4.4329	7.89111	6.40125	5.74686	5.61936	4.28288	6.11912	4.69821	8.52332	6.13381	6.99594
LINC012	5.33688	5.31895	5.04565	4.46262	5.2999	3.77609	4.935	5.02925	5.37062	5.12708	4.52964	4.61373	5.18671	3.79618	5.43322	5.39252
LINC012	3.53756	3.94952	3.97828	3.77125	3.85505	3.6993	4.08418	3.10948	4.69241	5.51424	5.43369	4.79894	3.36189	4.03667	4.10265	3.80861
LINC012	5.17489	5.71377	5.92167	4.6673	5.76053	4.99636	5.37997	6.12451	5.97983	4.87769	5.28471	5.91519	5.05998	5.21576	5.36162	4.81617
LINC012	5.29504	4.82974	4.56226	5.67756	4.51121	4.55142	4.41106	3.32868	3.6792	4.87162	4.51495	5.77111	4.33163	4.30792	4.42197	4.2888
LINC012	5.29878	4.80626	5.48664	3.10053	5.41562	5.37312	3.40901	3.41422	5.34272	4.87894	4.30729	5.53516	5.56929	5.10272	4.80513	4.16516
LINC012	4.09491	4.37518	3.53502	3.77125	4.18809	3.42836	3.6755	2.49961	3.80565	5.52355	2.97056	3.18013	2.5663	3.49255	3.36098	3.75027
LINC012	4.18547	3.97873	5.8705	4.86331	6.44056	5.93172	4.56843	4.35762	4.66437	4.46917	6.14261	6.01738	6.16902	5.71111	4.31399	4.90519
LINC012	2.00108	2.49227	3.31271	3.35104	3.18522	1.95254	2.27576	2.83945	3.58282	3.00855	5.78593	2.95936	5.70553	3.21424	3.71862	3.39583
LINC012	3.33505	3.23948	4.41679	4.68925	4.31413	4.06894	3.57557	3.90548	3.14254	4.01247	4.56297	3.44955	4.25148	4.2279	4.48738	3.46252
LINC012	6.66575	6.30196	6.31673	6.71492	6.03112	6.85291	6.11518	6.60546	6.16248	7.43254	5.08811	5.64806	4.55026	6.43147	6.43539	5.8013
LINC012	1.84505	2.1636	2.29132	2.0998	2.18367	2.11228	2.20014	2.10233	2.35886	2.01376	2.01441	2.17829	2.17097	1.84505	1.94998	1.77343
LINC012	2.08404	3.24563	3.07458	3.6916	2.85371	2.51251	3.39293	3.8281	3.15245	3.13394	3.24563	3.29115	1.82475	2.95261	3.17223	3.6454
LINC012	5.5016	5.83661	4.8528	5.6699	5.61572	5.21937	5.69257	5.61233	6.12451	3.44491	5.62045	5.79694	6.03661	5.99187	5.71939	6.13746
LINC012	3.09851	4.72297	4.16313	3.6916	5.33875	4.58019	5.38812	5.53727	4.67119	5.05088	4.94996	4.2376	4.07063	5.41453	3.12323	4.86726
LINC013	4.57039	3.64032	4.38374	2.93958	4.15744	3.24275	3.55696	3.90071	5.01527	5.65002	2.38828	4.52123	2.73615	3.18151	3.52918	4.68565
LINC013	5.16837	4.18531	3.9258	3.31099	4.15744	5.35512	2.53476	3.45352	4.21488	3.36001	5.13528	2.61134	3.46411	4.87894	4.78238	4.60548
LINC013	5.54724	5.64822	6.06227	5.46207	5.2999	5.31609	5.97739	4.9984	4.87944	4.99475	4.86304	5.87762	5.95749	5.83348	4.4703	5.72346
LINC013	5.87483	4.38909	4.25043	4.67707	6.39579	6.53507	5.68863	6.46837	4.01633	5.78287	5.5279	6.41949	6.48199	6.08539	4.3828	6.14245
LINC013	6.92458	6.47613	5.72755	6.98908	6.51846	6.71459	6.84879	7.27807	6.5016	6.8223	6.15584	6.66994	6.95847	6.98629	6.38308	6.89144
LINC013	5.68092	4.87951	4.93625	4.84684	3.93385	4.35094	5.23682	4.95456	4.04204	5.05722	4.49077	4.9576	5.11655	4.40651	5.05252	5.18381
LINC013	8.87038	8.66383	7.56065	9.16084	7.06194	8.25405	8.68047	6.77145	7.64001	8.49813	7.29944	8.53034	8.58514	7.85515	7.57258	7.94735
LINC013	1.53719	2.17636	2.30474	1.81503	2.12789	2.08493	1.97057	2.60068	2.30474	2.59045	3.1387	2.93531	2.87454	3.04901	3.02531	3.25403
LINC013	4.53702	4.30874	3.04356	4.18478	2.71531	3.25596	3.03237	3.15288	3.69577	3.44491	2.41572	4.22176	5.05646	4.3596	2.98901	4.50264
LINC013	5.81304	6.20144	6.95289	6.62636	5.23021	6.19367	6.38982	5.72077	6.99984	6.70933	6.29734	6.89365	5.87016	6.65003	5.8714	6.54712
LINC013	6.95299	6.00163	5.57802	6.49492	5.45685	3.76182	6.21098	5.08644	6.51077	3.90306	5.83698	5.50419	4.49752	6.73228	5.57124	6.87697
LINC013	3.32431	3.77816	3.35289	3.8281	3.68084	3.63988	4.11808	4.55333	3.69577	4.35645	3.72069	4.01677	3.7479	4.5359	3.89112	4.25148
LINC013	3.51548	3.53745	4.48486	4.1095	3.86774	3.44117	3.44209	4.47773	2.97568	4.31215	2.98436	3.26763	2.81611	4.32699	3.30762	3.42878
LINC013	4.43162	3.47417	3.64098	3.38369	5.63906	4.75121	3.61825	3.88575	4.93727	3.78199	5.02998	5.32774	3.49323	5.05858	4.98795	4.87251
LINC013	5.12105	4.91374	6.35611	4.22106	4.38405	6.48314	4.07312	5.3347	4.84572	5.64253	5.42908	4.19789	5.94021	6.18909	5.99556	4.7519
LINC013	6.33063	6.25289	6.55414	6.38441	5.41562	5.14737	6.67266	6.30852	6.34176	5.92806	5.7276	5.7079	5.96219	5.11666	6.43539	6.633

LINC013	6.04156	4.25266	3.19256	5.35874	3.61465	3.57327	5.20294	4.63743	5.0773	5.13703	2.97056	2.79123	2.83935	3.10839	4.88139	4.57163
LINC013	5.14549	4.82646	4.93473	5.30796	3.69848	5.66058	5.81858	5.45055	5.61919	5.82721	5.41589	5.54137	6.55717	5.56014	5.19004	5.40477
LINC013	5.60332	5.56364	5.07767	5.67285	3.91616	5.09772	5.57489	3.37974	4.98761	6.4022	4.81291	4.86421	4.04818	2.72254	4.36887	5.45261
LINC013	4.34574	4.07071	3.1636	3.94882	4.34392	3.03907	2.91928	2.85867	4.10208	5.34717	2.42354	3.52508	4.97599	3.23826	4.79259	4.23244
LINC013	3.73406	4.15069	4.73799	4.22883	3.70286	6.02598	5.76368	3.67908	4.85113	5.71898	4.27533	4.17474	4.69241	4.62104	4.09448	4.79956
LINC013	6.07264	5.36891	4.1682	4.74107	4.10606	5.01785	5.95444	4.06126	4.7523	4.44111	4.46398	4.873	4.51181	3.78375	4.80793	2.61375
LINC013	3.18863	2.03544	2.36812	2.19937	2.95869	2.77283	3.1335	2.94033	3.21664	3.53071	2.44876	3.32935	2.97356	1.8671	2.80584	2.93063
LINC013	2.18568	1.6014	2.54292	2.49138	3.54848	2.61993	4.55632	2.41778	2.66487	2.52507	2.2279	3.29484	3.45646	2.07498	2.48178	2.58537
LINC013	3.0835	5.38495	4.84558	5.23955	4.39851	5.31891	3.99724	2.43067	4.03549	4.22052	4.75435	5.15888	5.18263	3.82047	4.35255	4.47486
LINC013	3.36587	5.30145	4.25556	4.72819	4.66694	3.6144	4.94479	3.13235	5.29959	4.69665	4.70133	5.29643	4.18518	4.48643	5.20337	4.79956
LINC013	5.68319	6.27208	6.15404	4.70214	5.56052	5.97527	5.4508	6.36903	5.86136	3.57327	6.2474	6.73122	5.58168	5.5659	5.47823	5.56832
LINC013	3.93923	4.04011	4.38917	5.12697	4.21035	5.0723	4.93738	5.86472	4.68783	3.96497	4.87224	5.76633	4.5681	4.33153	5.44744	4.55416
LINC013	2.61145	2.13825	1.41969	1.67907	2.21727	1.63688	2.70047	1.04435	4.34561	1.22431	1.95222	0.46592	1.59204	2.25724	3.36098	2.94176
LINC013	2.68367	3.58335	4.35197	2.65796	2.89774	4.83812	2.9333	4.87281	3.22752	4.10188	5.32805	4.71689	2.5663	3.19708	2.49591	3.63765
LINC013	5.45924	5.8704	6.25094	5.03262	5.8832	6.18	6.45517	6.61469	6.05841	5.67091	6.15329	6.19295	7.00374	6.19649	5.77957	6.0088
LINC014	4.67215	5.34065	5.89711	4.47048	5.17658	5.06879	4.4903	2.81438	4.52011	5.49998	5.22442	2.04143	5.32616	5.244	4.6804	4.51207
LINC014	5.66772	4.76678	4.37651	4.46828	4.82805	4.99461	5.06762	5.15076	5.66963	3.7273	5.47849	3.55786	3.81694	4.19043	4.09177	4.17998
LINC014	1.44194	1.09002	0.9957	1.3754	0.6733	1.78116	1.73976	0.64273	1.53958	0.65546	1.32308	1.94688	2.26476	0.8165	1.74155	0.9183
LINC014	7.64835	8.13104	7.87706	8.48075	8.06728	7.92769	7.71422	7.5397	7.55413	7.49942	7.30333	7.90554	7.93806	7.78837	7.69319	8.12204
LINC014	5.17869	5.35666	2.86268	3.46996	5.26046	5.38217	5.2912	4.97563	4.69793	5.93876	5.37767	5.33379	1.41985	5.27102	4.34246	5.32007
LINC014	3.84315	3.42761	3.14177	3.36292	3.32431	3.32048	2.27576	3.31083	3.38569	3.6977	3.09709	3.26763	4.14977	3.14828	3.20278	3.10689
LINC014	2.16905	4.21854	2.79272	4.22106	3.14557	4.11531	4.65674	2.83945	2.81157	4.34627	2.72092	3.87137	2.83935	2.62575	2.67357	4.56661
LINC014	1.11909	3.60842	2.63513	3.28542	2.83544	2.72526	2.61298	2.07548	3.06765	2.63576	2.15913	3.33905	2.42653	2.31516	1.81049	3.16144
LINC014	4.38384	6.2801	4.21937	3.61465	4.15744	3.93664	3.52327	4.65546	6.14545	4.47533	4.01138	3.405	6.30369	3.8419	3.96629	5.6902
LINC014	2.77283	2.95972	3.04356	2.45536	2.68714	2.18538	3.12496	1.96139	3.2065	3.29126	2.83774	3.14285	2.07729	2.74868	1.81049	3.17553
LINC014	3.06503	3.89112	1.95191	4.94042	3.0533	4.73519	4.57297	4.84732	3.49474	1.96807	4.5939	2.53152	4.8922	2.93125	3.92173	4.78652
LINC014	5.37837	4.1094	5.9165	5.77571	3.22566	4.16542	4.45365	6.40406	5.21228	3.39891	3.09709	5.66749	6.11072	5.03633	5.91675	4.24336
LINC014	3.00675	3.40176	4.00732	5.43449	4.81676	3.52398	2.70047	4.17171	5.26316	3.8429	5.039	4.57214	3.47767	4.82245	5.21484	3.04866
LINGO1	4.18547	5.64993	5.71276	3.8462	5.00713	4.75121	6.15474	5.1344	5.67127	3.95892	5.29638	3.11416	4.93756	6.12115	3.53974	3.23061
LINGO2	6.78332	6.63967	5.34576	6.9799	6.42714	6.51425	7.41771	5.74316	5.72034	6.10171	5.5172	6.642	5.67467	6.70411	5.90353	5.63859
LINGO3	6.71962	6.47261	6.96263	6.91261	5.95379	7.08687	5.50534	5.8726	7.01699	6.57013	7.17396	7.65639	6.85248	7.24474	7.28911	6.69783
LINS	6.18324	6.28605	6.88181	6.22799	5.85911	6.86455	6.41254	6.56402	6.40759	6.22548	7.05524	6.54823	6.54889	6.26313	6.60644	6.84575
LIPA	9.43955	10.1088	9.74251	9.36239	9.40525	9.97015	8.0666	9.57587	11.8369	9.65997	9.79203	8.86712	9.79359	8.51784	9.20992	9.59537
LIPC	1.54854	2.31976	2.33881	2.184	2.29738	1.95254	1.95222	2.17246	2.25875	2.04282	1.41342	2.17829	2.2085	1.97057	1.55502	2.31622
LIPE	4.93653	5.89189	5.89446	5.75191	5.29298	5.55057	5.98749	5.86541	5.53457	5.51103	4.82616	6.06212	5.62925	5.60583	5.08775	5.71345

LIPE-AS1	4.30677	3.9717	3.82769	3.31099	4.47054	4.99197	5.66827	3.81494	3.99376	5.80309	3.51391	3.62346	5.63427	5.03633	6.06196	5.12161
LIPF	5.80692	5.00175	5.60592	3.90548	4.59036	5.86266	5.84791	5.77868	5.58003	6.49618	5.04878	5.73292	3.73495	5.70403	5.86754	4.94543
LIPG	2.75185	4.45523	5.66916	3.04143	4.6615	5.23948	4.58656	2.34717	4.78164	4.63911	7.40556	4.29394	3.95924	2.31516	4.31399	5.18553
LIPH	7.86466	7.17743	6.59764	7.07057	6.26018	6.11602	6.60204	6.32734	6.87735	7.08169	6.80357	6.31646	6.34706	6.30834	5.36187	5.90458
LIPI	5.10752	3.54594	3.25331	5.05078	1.88842	2.03544	2.67152	5.52231	2.43603	3.2328	3.3159	2.61134	4.88674	5.25231	3.06557	2.92719
LIPJ	3.46739	3.66452	1.63196	3.55864	1.67679	2.47412	4.59974	3.72239	3.23455	3.41135	3.44577	3.24716	5.13968	4.2285	2.5047	1.97136
LIPT1	7.33791	8.05538	7.71725	8.18689	7.70912	7.65557	7.72378	7.73431	7.77681	7.8917	7.13317	7.64528	7.99026	8.06265	8.01345	8.34868
LITAF	7.5111	8.51015	8.234	8.19737	7.99228	8.37711	7.06005	7.60753	7.8954	7.93338	8.55121	7.41939	8.57691	8.37894	7.97484	7.77441
LIX1	1.67944	2.64766	2.2824	1.59381	6.92356	1.97947	5.9868	5.82698	4.96737	2.33387	3.08198	1.65115	2.41185	4.3635	5.31858	1.59595
LIX1L	6.28872	7.00117	7.02669	7.27934	6.87829	5.75636	6.55263	6.47754	6.55737	7.20912	6.82917	6.64326	6.56098	6.66639	6.94963	6.9925
LKAAEA	6.18584	4.69941	6.56296	5.08609	4.89904	5.36175	4.02856	4.63015	4.43996	5.8969	3.80883	4.66059	3.90551	5.2602	3.69726	4.16516
LL0XNC0	4.58951	4.08875	5.20817	4.85334	6.56229	3.74792	4.58061	3.71916	4.52011	3.58913	5.41426	5.20089	5.54035	3.12884	5.08159	1.70353
LL0XNC0	5.70446	5.31895	5.32774	5.3091	5.2507	6.03493	3.6755	6.14174	5.32765	6.50178	5.67961	3.94634	4.95919	5.17042	4.09448	4.17756
LL22NC0	6.55446	8.47942	8.15584	8.57988	9.14095	9.2077	9.81312	8.40279	8.26381	7.75071	7.71686	8.27798	5.25748	8.92473	8.16657	5.74014
LLGL1	5.94871	5.65844	5.48864	5.34383	5.67672	5.01217	5.40179	5.35812	5.21372	5.27633	4.65312	5.58501	5.48131	5.57791	5.9069	5.59067
LLGL2	7.44226	7.75932	6.90997	7.49227	6.91353	7.43254	7.15152	7.58402	7.19897	6.46228	7.3728	7.53155	6.24558	7.95894	7.28046	6.70802
LLNLR-2	3.75698	4.26036	3.85298	3.88735	3.91616	3.84347	5.23329	4.62117	3.87677	4.44999	4.01138	3.07028	3.90551	3.09139	4.00819	3.07505
LLPH	6.82939	6.96941	7.01614	7.00926	7.70647	7.36993	7.7845	6.69768	6.57234	6.63235	7.40032	7.11951	7.38087	7.44226	7.47372	7.24245
LMAN1	5.22992	6.06799	5.76633	5.10115	5.67812	5.41552	5.01734	5.7151	5.40205	5.74749	5.10172	5.30238	5.30496	5.54233	5.19111	5.50884
LMAN1L	4.35066	4.62869	3.79162	4.04694	3.01001	4.4329	3.18384	3.98218	5.77414	4.21305	3.7868	5.64291	4.62473	3.16811	4.71122	3.03549
LMAN2	5.66107	5.66468	5.86958	5.97352	4.97749	5.66749	5.44775	5.42739	5.48088	5.61494	6.19518	5.66581	5.75747	6.05942	5.72712	5.49958
LMAN2L	7.76031	7.70549	7.30859	7.01673	7.93177	7.66901	7.67213	7.64967	7.90998	7.73683	7.05101	7.68215	7.89992	7.57865	7.59394	7.59394
LMBR1	5.69563	5.477	5.28791	5.53215	6.09189	5.71586	5.86603	5.08115	5.03773	5.49192	6.02933	5.11141	5.43429	5.89788	6.48172	5.88405
LMBR1L	8.29732	8.45057	8.3069	7.70384	8.17965	8.69275	7.76799	7.94608	8.21644	8.54622	8.27589	8.76449	7.98311	8.19323	7.98209	7.74052
LMBRD1	7.16903	7.17259	7.6187	7.08476	7.22511	7.49498	7.41297	6.97145	7.19867	7.16285	6.97815	6.49605	7.10048	7.22399	7.12136	6.80197
LMBRD2	5.31079	3.30935	4.91313	5.86166	4.7638	3.66032	3.33748	3.5606	3.80732	3.25894	4.74768	3.69784	3.99287	3.26858	4.25266	4.50111
LMCD1	6.3057	6.74871	6.84862	6.68839	6.1627	6.11232	5.31668	6.08061	5.21937	6.85834	5.93318	7.14421	5.92232	5.75828	6.85619	6.13102
LMF1	5.82677	5.7541	5.86266	5.99268	6.08798	5.81473	5.54126	5.76624	5.38706	6.27847	5.16332	6.71649	6.00667	5.45838	5.23078	5.59435
LMF2	5.70157	6.05028	6.12881	5.69697	5.4816	5.49854	6.0071	6.04791	6.23514	5.92336	6.29156	6.52407	6.14183	5.95242	5.9784	6.01229
LMLN	6.34979	5.50058	5.40792	5.85483	5.47559	5.52355	6.08351	5.79242	6.13572	5.45177	4.92858	5.19903	5.66603	5.6902	5.88181	4.98927
LMNA	7.01539	6.2539	6.23544	6.42518	5.72953	7.02837	6.96067	5.53472	6.58382	7.33565	7.09664	7.51529	6.23376	7.07424	6.78662	6.55085
LMNB1	5.56456	6.90615	6.78897	6.089	6.42916	6.50763	6.08225	6.70297	7.00766	5.07547	8.08079	7.71287	7.39967	6.37723	6.48933	6.35062
LMNB2	3.74737	4.75713	4.31978	3.89582	7.74695	6.37694	7.11951	4.34289	4.34561	3.13394	7.83011	7.55712	6.30041	7.96786	7.90695	8.17759
LMNTD1	6.52602	6.88467	6.62571	7.34076	5.93462	6.1132	7.01865	6.85982	6.50219	6.35777	6.67853	6.9069	7.432	6.49246	7.00857	6.73309
LMNTD2	7.92379	8.37861	8.11303	8.07018	7.50595	8.20284	7.86869	8.49143	8.29715	7.67251	7.90074	7.97364	8.02134	7.84084	8.17707	7.99918

LMO1	5.50467	5.88757	5.99607	6.3884	6.04132	5.89412	6.79872	6.4399	5.95207	6.19425	6.18599	5.91892	6.8535	5.99187	6.12515	6.33645
LMO2	7.80726	6.46176	6.78314	7.90171	6.5318	6.94714	6.42772	6.16183	6.17248	7.40581	7.09873	6.67173	6.55245	6.48933	6.11348	6.08881
LMO3	1.85796	1.82037	1.93768	1.6014	1.56834	1.65655	1.59081	2.1939	1.36661	2.67942	1.65115	1.85741	1.32681	1.41342	1.90716	5.22796
LMO4	7.33012	7.23519	6.92986	7.0981	7.78199	7.78682	7.29816	6.89041	7.39879	6.92098	6.19467	6.92524	6.6832	7.74945	6.90541	7.0773
LMO7	5.69888	5.47974	4.68191	5.17686	4.27968	4.83452	5.914	4.86169	4.64863	4.89377	4.60347	4.64564	4.01736	4.64846	4.44564	5.17489
LMO7DN	5.56456	4.27565	5.10007	5.66468	3.57987	3.40348	5.74444	5.157	2.76258	4.11891	5.25119	5.01532	4.48458	4.18663	4.95436	4.62964
LMOD1	3.95084	2.92732	4.00266	3.14882	3.71298	3.62063	3.5826	3.33935	3.48123	6.32382	3.3637	2.70965	2.83262	3.40694	3.39293	3.55585
LMOD2	2.65839	2.70876	2.27099	2.06899	2.87786	2.83735	2.8619	3.27157	2.90046	2.97414	2.85145	2.81338	2.83935	2.95261	2.82464	2.9809
LMOD3	3.5907	3.90189	3.20069	3.86774	4.08018	5.08115	4.38776	3.68528	3.1416	4.87584	2.50975	3.83136	3.84816	3.90987	2.9174	4.03799
LMTK2	4.85088	5.35416	5.49373	4.97871	5.32805	4.14477	4.58359	4.0032	4.978	4.9403	5.38754	5.4737	4.93457	4.50367	4.73656	5.29139
LMTK3	6.59443	7.3564	7.21275	6.85595	6.71173	6.32278	7.16583	6.82125	7.0306	6.93134	6.68597	6.89173	6.65491	6.96626	6.65787	7.06035
LMX1A	3.4567	4.85515	4.50237	3.06525	3.75099	3.35168	4.73921	4.51056	3.50839	3.85542	2.34474	2.07548	4.14977	3.31071	3.23099	3.32854
LMX1B	5.04015	4.51771	3.87671	4.91294	3.9949	3.99858	3.31153	3.98218	4.36917	4.83052	3.70318	4.25098	3.90551	4.14195	3.36098	4.2654
LNP1	6.97108	6.65595	6.96375	6.65883	7.27451	7.48929	6.05296	7.54991	6.23376	7.62073	6.29651	7.17165	5.68275	7.47124	7.40707	7.63559
LNPEP	6.27955	6.19736	6.76495	6.47995	6.39845	6.42415	6.89301	6.48309	7.05384	5.82306	6.64563	6.39736	6.4803	5.70671	6.42945	6.58949
LNX1	5.77556	5.00304	4.58146	5.59435	4.50783	4.48551	5.15281	3.97261	5.41316	4.79518	5.43688	4.21937	5.31821	5.28972	5.26177	5.27357
LNX2	7.99147	7.45005	7.07869	7.14464	8.40249	7.31408	7.7985	6.56965	7.11022	6.76762	7.05429	6.16473	7.19075	7.82579	8.16934	7.89891
LOC1000	7.06652	7.31268	7.33842	7.472	7.48173	7.20937	6.76064	7.12767	6.96496	7.56597	6.74964	6.67956	6.78707	7.45459	6.90375	6.91907
LOC1001	4.15183	4.12809	3.87518	4.53056	5.30133	4.64068	4.80155	5.72779	4.39311	4.67048	4.22194	5.05088	5.60753	4.81469	4.97729	3.68112
LOC1001	1.19711	1.49036	5.03262	1.73098	4.65407	3.78772	5.0047	4.36705	5.03513	4.45539	3.51391	5.3793	2.29255	4.98359	4.56108	4.13063
LOC1001	2.85784	2.79266	2.91679	3.15929	4.16584	4.61047	2.53476	4.78229	3.33041	2.91059	3.3963	2.36593	3.00618	3.18151	2.79339	2.82844
LOC1001	4.52618	5.3348	4.92155	4.75355	3.12473	5.31236	5.1554	3.86842	4.12898	5.13192	2.24458	5.1305	4.83558	4.78915	2.29341	4.71816
LOC1001	1.37327	2.39163	0.83338	0.78709	0.84574	1.00765	0.61735	1.61881	1.45473	2.75002	2.41572	2.61134	0.6691	2.37224	1.6611	2.34348
LOC1001	4.44851	4.60263	4.72967	3.88045	4.60121	4.09067	3.99352	4.27381	4.54866	4.41311	4.57473	3.53071	4.2436	4.13561	4.57259	4.81517
LOC1001	5.90515	6.73647	5.43789	6.54516	6.19375	6.10124	5.22744	4.61194	6.03198	3.5256	5.06187	5.61969	6.32792	3.82972	5.96437	4.9541
LOC1001	4.78908	4.92195	4.06126	4.83683	3.44117	4.3237	5.09806	5.22018	3.09248	4.46314	3.73917	4.66991	6.07229	5.18903	4.49946	4.04867
LOC1001	1.87757	2.49227	1.19537	1.444	1.11444	1.68859	0.48337	1.3689	2.13825	0.75071	1.82109	2.31832	2.68899	0.73695	0.80062	1.51008
LOC1001	2.7137	1.79867	3.4644	2.3531	2.79576	2.97769	3.1937	3.24511	2.98704	2.90046	3.56237	3.71242	3.14998	3.44049	3.75611	3.60427
LOC1001	4.16955	5.859	6.33203	6.1019	6.82191	6.90891	6.35015	7.11405	6.49559	6.27471	5.6694	6.84709	6.62207	6.67388	6.71732	6.54586
LOC1001	3.58775	5.5046	3.6244	4.35425	4.97974	3.76182	2.73211	6.40916	5.52164	4.03381	6.25249	6.75482	4.89893	5.44628	3.9328	5.66046
LOC1001	4.20074	4.1094	3.98497	3.44117	5.0289	4.14087	4.75355	4.27613	3.6792	4.11891	3.0131	4.3216	5.02177	5.20089	5.32247	4.52926
LOC1001	5.62801	5.87129	6.25137	6.28689	5.89038	6.42743	6.29513	6.1118	6.14279	6.0929	6.30808	6.26444	6.41661	6.23544	5.83635	6.42904
LOC1001	4.16955	2.46272	3.807	4.7949	4.96712	4.98138	4.72349	3.76379	4.58372	4.5797	3.12278	3.01775	3.12086	4.45641	3.17223	5.15911
LOC1001	7.25991	7.31058	7.54351	7.17727	4.71898	6.8514	7.45266	4.88503	6.89488	6.78913	7.03198	6.25077	6.65329	7.24036	6.99156	6.87583
LOC1001	3.32431	3.60842	3.25331	2.50291	3.01001	2.78532	3.47278	2.78286	3.74437	3.15532	4.08209	3.45239	2.73615	3.33112	3.26899	3.12132

LOC1001	5.45017	3.76552	5.40387	5.26993	4.84049	4.02752	3.08298	5.81525	4.32124	5.76333	4.98736	3.69374	5.54416	3.6977	5.58438	5.36713
LOC1001	7.57624	7.43953	7.74961	7.37404	7.17866	7.03506	7.33414	7.93452	7.1301	7.19177	6.99304	7.27283	7.02532	7.26124	6.80876	7.67899
LOC1001	6.52602	5.68875	5.42031	6.12918	6.19642	6.20767	5.8678	6.11959	5.64719	6.19425	5.40426	4.85676	6.29651	5.79936	6.37303	6.41737
LOC1001	3.81865	3.00618	4.05393	2.38778	3.53849	3.79752	3.87897	3.66599	3.49474	3.8429	3.40575	3.32466	4.30438	2.88516	3.52918	3.75934
LOC1001	6.23529	6.08725	6.50447	6.05854	6.47962	5.59785	6.11701	6.54459	6.3998	6.76762	4.95356	7.20199	6.04156	6.28	5.98852	5.48407
LOC1001	5.40326	5.25716	4.97788	5.33567	4.52738	4.02752	5.18039	4.22833	3.69577	4.5797	4.80626	4.71106	4.83558	4.56553	4.8213	4.37747
LOC1001	4.95075	5.24458	5.70605	5.5845	6.15893	6.00032	5.58532	6.60271	4.92985	5.43853	4.34451	5.34266	5.23563	5.16038	6.22482	5.117
LOC1001	0.73695	1.16965	1.26539	0.17325	0.20638	0.61335	0.93298	1.22235	1.76451	0.85718	0.90097	0.68341	0.93298	1.17253	0.6733	0.69824
LOC1001	4.83933	4.82167	4.71959	4.87251	4.33825	4.4917	4.22631	3.83233	4.31871	5.02539	4.39409	3.58537	3.83857	4.80389	4.66602	3.5856
LOC1001	2.68367	2.1636	2.04684	4.25955	2.76484	2.11228	2.53476	2.07548	2.47145	2.80132	2.79035	2.63249	4.09292	2.79431	2.39175	2.81134
LOC1001	4.63591	3.91554	5.56992	5.02046	4.80222	6.03949	4.05033	6.50191	6.11635	5.03122	4.07031	4.64969	5.5537	5.05858	5.79844	5.94638
LOC1001	3.51548	3.65681	2.99564	3.21843	2.61273	3.63988	2.98815	2.88789	3.17124	3.79424	3.56921	2.29689	3.34323	2.65463	3.35152	2.69842
LOC1001	6.00736	6.00283	6.04806	5.89338	5.61679	6.37105	6.5305	5.88006	5.63371	6.35513	4.74294	5.52984	6.35103	6.22568	5.59967	6.19536
LOC1001	4.59992	5.59938	5.37093	5.99734	3.71929	6.00032	3.68625	4.30714	4.52011	6.09515	5.30337	5.3793	5.20142	5.21946	5.38754	4.01765
LOC1001	4.22576	2.49227	1.88755	5.14982	2.68714	3.15165	5.82817	2.40011	2.07939	2.75002	2.66551	2.66471	4.02061	1.92414	3.80377	4.1399
LOC1001	5.50296	5.49882	5.2306	6.27726	6.76495	4.48593	5.78301	5.21352	4.02856	5.03203	3.84816	5.03965	5.87434	6.15395	6.62245	5.69581
LOC1001	7.06567	6.68352	7.27034	7.19454	6.99664	7.00164	7.464	7.24904	6.94544	7.25736	6.76053	6.56497	7.91547	7.53607	7.06274	7.1202
LOC1001	5.26165	3.41586	5.03914	3.88735	2.89774	6.09093	6.10048	2.8638	4.43996	3.58913	4.55723	2.75185	4.37787	5.12503	5.16539	3.78507
LOC1001	6.69747	6.5736	6.69654	6.75602	6.25369	6.67853	6.65798	7.02338	6.76152	6.64757	6.78863	7.04119	6.3778	6.71599	6.57417	6.70141
LOC1001	2.83473	2.44316	2.35871	2.06899	1.97947	2.15563	2.39011	2.91144	2.07939	2.19868	2.10233	2.20167	2.29255	1.88842	2.34348	2.69842
LOC1001	4.99067	4.52298	4.026	3.66594	4.50537	3.65332	3.0573	3.21508	5.40317	2.38782	2.88166	2.13113	4.31215	2.51368	5.41777	4.71816
LOC1001	6.6295	6.81306	6.74657	6.90043	6.16635	6.63624	6.61966	7.24621	6.90744	6.91191	6.2474	6.79262	6.52377	6.62241	6.59709	6.44764
LOC1001	5.96988	3.16637	3.81806	4.29377	5.97782	4.17372	4.63503	4.52735	4.60738	3.99153	3.86158	3.90172	3.88172	5.2072	5.10259	4.02452
LOC1001	2.04089	3.12278	1.88755	1.55195	1.84689	1.81697	3.73393	2.13755	1.87545	3.46275	1.74872	1.73861	2.5663	3.09139	2.93032	1.92725
LOC1001	8.24318	7.96289	7.94178	7.96289	8.96842	9.38907	9.43414	7.8378	8.70926	8.44434	7.22399	8.126	7.74711	8.46388	9.63071	8.21355
LOC1001	2.94778	3.18041	3.30294	3.61465	3.45301	3.66504	3.64382	4.41679	3.59405	3.80685	3.73917	3.74466	3.49323	3.29459	4.20556	3.50454
LOC1001	3.11441	3.79628	1.70381	0.64437	0.59539	0.27064	0.24489	0.01726	3.50839	1.0625	3.21922	3.01775	1.41985	-0.133	0.74207	3.10689
LOC1001	3.82473	3.79846	3.93072	2.74555	3.34224	4.48486	4.02516	3.93408	3.51576	3.871	3.51672	4.14977	3.42778	3.25331	3.74769	4.13181
LOC1001	6.77644	6.8404	7.15432	6.88398	6.51492	6.38419	6.65981	6.27334	6.7653	7.61626	5.96744	5.19674	6.63063	6.82928	6.26108	6.36458
LOC1001	1.96392	2.21392	3.12132	3.32481	2.39414	1.90997	2.42155	2.95859	2.28837	3.07203	2.73426	2.66471	2.10686	2.22838	2.97605	2.26153
LOC1001	5.9545	6.23163	6.24099	5.37312	5.10439	6.48183	3.91631	6.13354	5.59264	4.74035	6.86503	6.55645	5.39578	5.83348	6.07992	5.8566
LOC1001	2.79297	5.57693	2.48448	2.90159	2.68714	4.92674	2.47678	1.14774	1.69898	2.72148	1.74872	2.2269	2.07729	1.92414	2.04035	2.76844
LOC1001	6.26381	4.92195	2.38251	5.32765	4.9314	4.21854	2.27576	5.77151	2.53538	3.62321	5.7102	4.93905	6.27668	5.77688	4.91109	5.83818
LOC1001	3.57809	3.90154	3.5404	3.07311	3.5702	3.95025	3.63714	3.44577	3.39363	3.78872	3.07311	3.27163	4.26639	3.8342	2.78886	3.59491
LOC1001	6.78183	6.28525	6.68773	6.22012	7.98813	6.78574	6.47874	7.32949	6.66059	6.66963	6.33619	6.5042	6.99855	6.94009	7.1777	7.00766

LOC1001	5.51128	5.55391	6.27377	6.0945	6.18966	5.97064	4.5939	6.04567	6.17111	6.41416	5.50599	5.49854	5.33438	6.38946	5.91325	5.88721
LOC1001	6.77897	6.25598	6.59103	6.8336	6.57888	6.98343	6.91755	7.52366	6.56658	6.18035	6.57985	7.10829	7.05075	6.41941	7.24015	7.21537
LOC1001	5.38177	5.11956	5.68265	5.96484	5.42868	5.82753	5.84555	5.58831	6.1544	5.85517	5.28273	6.08422	5.42917	5.91704	4.79823	5.26966
LOC1001	4.34203	5.82956	4.99562	5.90386	4.26628	5.98542	4.55321	6.56557	4.44708	6.36658	4.47005	6.87959	4.75137	4.41888	4.55074	5.7127
LOC1001	5.4792	5.89886	5.81314	6.21493	6.10943	4.75754	5.8975	5.17376	5.87771	6.60667	4.1725	6.56497	5.78934	6.35887	5.32857	5.73413
LOC1001	5.34118	3.89112	1.97795	4.78392	4.61811	2.51251	3.97251	2.731	4.26581	4.9891	4.27533	2.509	5.05646	2.99448	4.47674	2.19188
LOC1001	5.37911	6.33134	5.96464	5.15199	5.63847	5.99641	5.38902	5.30847	4.50111	5.67544	4.91198	4.67628	5.4377	5.87618	4.71408	5.37479
LOC1001	3.07518	3.44368	4.46366	3.82408	3.36074	3.75445	3.81369	3.1449	3.9201	3.76017	3.0707	3.89133	4.39937	3.55099	3.1122	3.97656
LOC1001	6.62616	6.71818	5.9373	6.6308	7.23499	6.48183	7.01865	7.05637	7.38396	6.96563	6.62461	6.72429	6.93297	6.78294	6.93883	7.23122
LOC1001	6.36395	6.65209	6.73015	6.50907	6.02751	6.05262	6.11924	6.87168	5.99957	6.42921	5.90526	6.1153	6.26989	5.90555	6.10921	5.75818
LOC1001	5.0773	4.49731	3.93627	4.61877	4.59728	3.83233	5.83954	3.70769	3.8429	4.97739	3.89949	4.93905	4.55949	4.5359	2.82464	5.70974
LOC1001	3.44273	3.47417	4.18506	3.57686	3.30882	4.16542	3.83857	4.73705	5.21228	4.20362	3.18189	4.76686	3.17825	3.90216	3.72694	3.65514
LOC1001	5.9804	6.71848	3.6244	6.21818	6.62237	5.89737	5.11637	4.20167	5.53587	3.3263	5.36141	6.83535	5.89672	5.64126	5.38495	6.97016
LOC1001	4.57516	4.21854	5.38936	4.34751	5.93145	5.45803	5.5974	4.6439	3.85447	4.84572	4.5385	5.04878	5.35044	5.36454	5.44505	5.49652
LOC1001	3.93432	3.77534	4.36302	4.13607	4.41729	3.51672	4.10106	4.17998	3.91647	3.53131	4.42968	4.47417	3.7913	3.8927	4.124	3.871
LOC1001	3.14636	5.54169	5.51228	4.64889	5.52099	4.86617	5.03203	5.38422	4.57006	4.68137	2.85145	5.10078	4.46842	4.94851	3.06557	5.06904
LOC1001	-0.5013	1.49036	-0.0746	1.20944	1.11444	1.32117	0.35046	1.04435	0.12919	1.22431	2.10233	-0.2855	0.35046	1.4403	0.93298	0.42629
LOC1001	4.54741	4.31399	3.24205	4.18478	3.91616	4.66791	5.69946	2.46648	5.0773	5.69927	5.0985	4.55254	3.37673	4.89098	4.97026	5.16989
LOC1001	6.08915	6.24408	5.56009	5.54883	5.93145	5.30898	5.71572	6.02933	6.844	5.66263	5.89151	5.5188	6.81597	6.14193	5.63274	5.81537
LOC1001	4.76359	4.15744	4.73407	3.94629	5.72807	3.96435	5.76629	5.66058	6.03198	5.01	3.24563	4.25792	5.03426	6.14455	3.92173	4.58777
LOC1001	4.73822	3.45279	4.29326	1.20944	5.34691	5.34835	2.67152	4.02048	3.00175	4.17211	4.19082	3.97679	3.91647	3.41704	6.30681	2.51437
LOC1001	4.84742	5.38715	3.33383	4.7949	3.96564	2.95599	4.26699	5.75589	4.99264	5.45776	4.67727	5.15888	4.21419	3.14828	5.85419	3.6935
LOC1001	2.88015	2.91316	2.90619	2.90159	2.81309	2.65434	3.10453	2.88789	2.5663	2.75002	2.63321	2.41615	2.66449	2.72254	2.72952	2.76844
LOC1001	2.37329	5.26171	1.68451	3.45327	3.27783	3.03288	2.96225	4.02048	4.3125	2.31329	3.25613	5.43241	4.90904	4.22367	3.76841	4.02452
LOC1001	6.72801	6.4495	7.42933	5.93381	6.62843	6.07822	5.92421	5.73921	7.25259	6.34438	6.39542	7.59947	6.2141	6.30722	5.70636	7.04081
LOC1001	6.08915	6.05809	6.3021	6.02475	5.60384	6.56837	6.26102	6.17833	6.25012	6.60899	6.63268	6.31734	6.58666	6.621	6.08488	6.15381
LOC1001	4.65232	5.37568	4.61514	4.02372	5.20872	6.11109	5.09584	4.3041	4.36012	5.37736	4.3157	4.98618	4.52387	5.41079	3.98554	4.03667
LOC1001	3.98673	2.99228	2.50291	3.1203	4.29721	1.63688	5.64301	3.25357	2.07939	5.35699	4.69677	1.63685	4.73116	4.02841	3.40607	4.25148
LOC1001	7.82162	7.73912	5.89038	7.0242	4.5743	5.50829	6.83665	6.05868	5.28311	7.83428	5.97649	7.05207	6.55911	6.61919	6.11992	5.54772
LOC1001	4.0622	4.23261	0.53357	2.73925	4.77676	1.78116	1.32308	2.34717	2.13825	1.59139	3.36559	2.2743	3.98812	0.62135	2.89621	1.85717
LOC1001	7.09272	7.26124	8.34667	7.60624	6.39579	7.36252	6.56531	7.10955	6.65877	7.31941	6.22003	7.72681	6.8728	7.48235	6.69189	6.43737
LOC1001	3.58775	3.74825	2.82464	3.85758	4.06784	3.42836	5.85864	5.23337	5.64719	3.73393	2.79035	3.91935	2.98256	3.79618	3.64338	3.39583
LOC1001	3.42813	3.74825	4.01912	3.77125	3.52527	2.36638	3.84674	3.56906	4.01633	5.03122	4.52735	4.02412	3.46411	3.90216	3.36098	3.71736
LOC1001	5.06203	5.08479	5.8266	5.76238	4.80222	5.47877	5.26618	4.96224	5.23193	5.87159	6.09708	3.61408	5.80567	5.72712	5.52397	5.6564
LOC1001	6.51855	6.72304	7.23612	6.99578	5.98886	6.86964	7.79368	7.45122	7.40169	7.55949	7.18404	6.80893	6.95599	7.29882	6.57223	6.27095

LOC1001	7.34167	7.48787	7.07251	7.15042	7.33768	7.11065	7.5216	7.74368	7.16078	7.66135	6.48966	7.71915	7.55918	7.42526	7.66805	7.40328
LOC1001	1.79935	2.04582	2.11428	2.50291	2.33881	2.93381	3.35187	1.96139	2.22165	2.04282	2.79035	2.56799	2.07729	2.82083	2.16493	2.79166
LOC1001	2.16905	1.62441	2.68367	1.20944	1.77016	1.36658	1.91146	0.97208	1.00765	3.39891	0.69487	1.3666	1.59204	1.02124	1.22113	1.42001
LOC1001	3.56191	4.59455	4.69821	5.35512	4.23397	3.46064	5.40039	4.66254	3.63964	4.23056	4.20991	4.40501	4.46058	4.6923	4.64145	2.16972
LOC1001	5.4792	5.14689	3.61284	3.78412	4.38405	3.99153	4.18377	3.92749	3.36695	3.8429	3.981	4.92917	5.04222	3.46534	4.25015	4.13063
LOC1001	3.57397	3.69964	3.90511	3.60342	3.39606	3.4746	3.42552	2.98628	3.15245	3.97041	3.65785	3.75239	4.04818	3.73088	2.54889	2.94176
LOC1001	6.05051	4.52696	6.78694	6.46259	5.1722	6.8411	5.95888	3.32868	4.58372	7.68471	5.59779	3.18013	3.26844	5.25618	3.75151	3.82034
LOC1001	6.14545	5.81672	6.11701	6.44728	6.14424	6.30023	5.77997	5.54665	6.17008	5.54288	5.03513	5.65526	5.24808	6.41115	5.41855	6.44429
LOC1001	7.39599	6.15147	6.25827	6.49925	6.03236	6.36778	5.89465	6.37891	5.88266	7.00914	5.75622	6.82357	5.95444	6.64123	5.53021	5.55993
LOC1001	5.52799	4.55111	3.5252	5.9265	4.81676	4.96837	6.20463	5.97974	3.59405	4.04734	5.74268	4.01677	3.77256	3.94866	5.49854	4.07967
LOC1001	1.70087	1.35876	4.20503	2.61385	2.39414	3.67619	1.32308	2.13755	2.64558	1.74155	4.0196	2.55562	1.63986	1.1104	3.77502	1.37509
LOC1001	6.33307	6.19499	5.93176	5.83023	5.65461	5.97064	6.15474	5.90165	6.08585	5.53587	6.03972	4.72621	6.67581	6.12575	5.8075	5.80493
LOC1001	2.27273	3.93361	4.50625	2.88071	4.56691	4.24599	1.63196	4.50182	3.6241	2.80132	2.36593	4.31399	3.05227	4.22367	4.3828	4.42279
LOC1001	4.9403	2.74824	4.65435	2.34348	2.79083	2.89716	3.2194	2.95859	2.25875	4.30135	2.24458	3.0573	2.94778	2.88516	2.50999	2.65953
LOC1001	4.11983	5.27758	4.75907	4.39175	4.06784	4.70491	3.70182	2.81438	3.86642	3.62321	5.22953	5.9634	2.83935	5.30815	4.61929	4.9541
LOC1001	2.23882	2.21392	2.11428	1.89139	2.21727	2.65434	1.91146	2.43067	3.2065	2.2766	2.15913	2.97562	2.17097	2.37224	2.07498	2.10224
LOC1001	7.01393	6.14859	5.91457	5.12521	5.24432	4.69801	6.16473	6.76563	5.08822	5.24505	6.07883	5.91457	5.39073	4.99322	6.03567	3.71736
LOC1001	3.8513	3.5644	4.80009	4.0649	3.54347	4.59647	3.87665	3.98812	3.32081	4.86538	4.47624	3.53502	4.90633	4.20918	4.33365	3.95879
LOC1001	2.00108	2.49227	2.38251	2.75974	2.42207	2.42212	1.85693	1.91261	1.39887	2.31329	2.56627	2.79123	2.31554	3.18151	2.07498	3.49413
LOC1001	4.49101	3.60842	5.29126	4.71279	5.72448	3.20546	3.29192	3.45352	4.79002	4.60176	4.79814	5.48379	4.12996	2.83991	2.97605	3.07505
LOC1001	5.42243	5.84809	4.66364	5.13767	3.60374	3.6256	4.69773	5.47546	6.49966	6.23462	6.1163	5.95183	4.57269	4.37922	6.28743	6.6744
LOC1001	1.44194	2.56774	2.72411	3.25646	3.98376	2.34348	2.15094	2.93245	2.61941	3.26858	3.12278	5.3793	4.93183	3.34999	2.11842	3.38208
LOC1001	4.88056	3.53745	2.59102	6.07592	4.54756	3.601	3.58877	4.16157	2.79078	5.94782	4.35441	4.99448	4.95044	5.38794	4.82547	5.39252
LOC1001	6.97472	7.43046	7.15085	6.81622	8.39116	7.58161	7.52678	7.24729	7.06506	7.4124	6.46738	6.40749	5.80567	5.45508	7.16146	7.90118
LOC1001	5.78387	3.23142	4.43529	6.2742	5.78152	5.69329	6.23048	5.32306	2.92006	4.49669	4.45332	4.85959	2.46016	4.60279	4.72569	6.2767
LOC1001	5.52355	6.81431	6.74157	7.01223	6.96029	6.56497	6.63986	6.80876	6.33819	6.22886	5.89602	5.69822	5.98777	5.88448	6.47261	7.01033
LOC1001	4.6416	4.55696	5.21626	5.53655	3.14557	5.36175	5.84791	3.98218	5.86424	2.83032	5.67273	5.24956	6.30993	5.16562	5.60325	5.42382
LOC1001	6.35027	6.34052	6.09644	6.7168	5.02134	6.64701	5.6459	6.60934	6.16248	6.64577	6.06505	6.3127	5.85541	6.72244	5.9813	6.26771
LOC1001	2.27273	2.34474	4.5182	4.17431	1.26539	2.72526	3.53968	3.60236	1.76451	3.2328	4.52313	3.55262	4.61995	3.27909	2.79339	2.57571
LOC1001	5.52006	5.46243	5.89038	5.93903	5.2507	5.54883	5.73534	6.16296	5.6566	4.81582	5.82465	4.69529	7.20309	5.06976	6.57888	5.13421
LOC1001	6.60518	5.50738	5.88708	6.01875	6.2427	6.63886	6.55901	4.98541	4.03549	6.23691	5.66728	6.27858	6.12594	6.6692	6.02255	5.91594
LOC1001	7.45198	8.20748	8.20121	8.10456	7.19439	8.09556	8.25549	8.29403	7.25499	7.75716	7.17953	8.1498	8.0296	6.9197	8.33874	8.30111
LOC1001	2.27273	3.21812	2.59102	2.75974	3.92606	2.65434	3.20323	5.66497	4.07916	2.75002	3.93173	2.69934	3.77256	3.10839	4.18506	3.82879
LOC1001	5.63997	5.91125	4.81549	3.35104	5.09145	5.62589	4.31322	5.56338	5.47507	5.82945	5.0929	5.24488	5.77971	5.9868	5.18256	3.96332
LOC1001	4.33259	3.60842	2.55526	4.66023	2.63482	6.32028	6.45222	6.1892	6.30901	3.5256	6.13088	5.30548	5.21576	5.52251	4.6991	2.7492

LOC1001	7.42103	6.45211	7.88943	6.91366	6.71062	7.00554	5.7874	7.4619	7.00656	7.09987	6.60229	7.41008	6.15236	6.87216	7.14668	5.97118
LOC1001	4.11983	5.84375	4.07133	4.39175	4.07562	3.6256	4.60294	5.85064	2.86093	5.77793	3.03593	4.86421	5.70986	5.10272	3.75151	5.90297
LOC1001	4.53148	2.36797	2.63513	5.06404	2.42207	2.91286	4.58656	3.90071	4.81378	2.88148	3.33935	4.83368	4.4772	1.97057	2.21248	2.12859
LOC1001	2.96659	5.26872	4.9146	3.8462	3.24511	3.22527	3.00912	6.11327	4.73809	3.6977	4.23603	5.02595	5.438	2.82083	3.40607	3.55993
LOC1001	3.36587	3.27087	2.81121	3.1994	3.07162	2.89716	2.47678	3.47335	2.92006	2.57765	2.75175	3.35152	3.34323	3.55944	3.7606	2.96003
LOC1001	2.47437	2.53824	2.79272	2.85497	3.39606	2.42212	2.15094	2.731	2.22165	3.26858	1.91586	2.56799	2.34547	2.18939	2.29341	2.76844
LOC1001	7.79926	7.43429	8.17017	8.44151	6.11965	8.56369	7.9785	6.53713	8.03572	7.55817	6.99644	7.41439	7.96005	6.69178	7.12512	8.09695
LOC1001	4.49797	2.21392	2.91679	2.43076	2.0729	2.51251	5.66468	2.75656	2.18568	3.5256	1.85273	1.84666	2.07729	2.72254	2.59102	1.85717
LOC1001	6.66438	6.63787	6.96496	6.83787	6.65623	7.00018	6.2336	6.34748	6.844	6.60482	5.74677	6.80813	6.95033	6.80813	6.71912	6.82216
LOC1001	4.70625	4.73279	3.9258	6.14965	5.10681	5.7104	4.73125	5.20188	5.37446	4.72103	5.43369	5.54274	5.62541	4.75121	5.69207	5.93164
LOC1001	2.80891	3.79473	4.69272	4.46879	3.78894	5.12847	4.5033	5.01527	4.28545	4.22425	4.73341	4.31127	5.06647	4.84458	4.02254	3.84226
LOC1002	4.33928	5.49777	5.14398	3.50136	3.9949	3.0032	2.85264	4.04505	4.24374	3.81727	3.56769	4.23643	4.08778	4.49015	4.18221	3.73314
LOC1002	4.69157	3.51602	4.79814	3.87736	2.63482	2.89716	4.32992	5.08644	5.33811	3.18735	1.74872	5.66243	4.65932	2.95261	4.5234	5.00386
LOC1002	3.52524	4.99527	2.74259	3.77125	3.39606	2.78532	5.53505	3.66599	3.09248	2.97414	3.84453	3.93749	4.22425	3.12884	3.0951	4.41688
LOC1002	6.56853	6.17098	6.99869	6.49643	6.62843	6.24099	5.02086	4.59647	5.782	5.97829	5.95087	6.55645	5.97812	6.14193	6.33094	7.0171
LOC1002	4.57039	6.64451	5.58936	7.22711	6.67328	6.83848	7.4145	6.95007	7.6495	7.57286	6.61185	7.04564	6.818	7.38866	7.22067	5.42665
LOC1002	5.05722	4.5803	5.66737	5.46207	4.87061	4.92233	5.05601	5.10007	4.11778	4.43223	5.0536	4.57214	5.57823	3.31071	4.58644	4.5359
LOC1002	8.11253	8.57988	9.26427	8.07938	7.50393	9.02044	9.30365	7.50429	8.65949	9.25706	7.48357	7.55386	7.59021	8.60425	7.35698	7.64614
LOC1002	4.39545	5.09749	4.12946	4.28379	4.40984	6.08756	5.26279	4.74782	5.19592	6.47473	3.33257	5.1344	4.12453	5.69269	5.65707	4.89474
LOC1002	2.04089	3.27087	3.23213	3.15929	2.65839	2.11228	2.20014	1.86949	3.33041	3.39891	2.38828	2.48941	2.68899	2.95261	1.94998	2.26153
LOC1002	3.62466	4.98009	3.49445	4.4487	5.15954	5.46179	3.8062	5.80143	3.33041	5.70745	3.62297	5.3962	3.69964	3.9712	3.7606	4.04867
LOC1002	5.42977	5.99097	5.25598	5.36209	6.59719	5.78381	6.87481	6.48116	5.78106	5.28498	5.00175	5.96086	6.71402	6.17068	6.11493	6.34299
LOC1002	6.36554	4.91805	4.03916	5.33567	5.9817	5.8657	4.98886	3.90071	3.55701	4.44999	3.64434	4.15353	4.60738	5.67943	4.40873	4.98009
LOC1002	5.01394	5.54464	3.73945	3.77125	4.50537	4.73879	3.8062	5.42199	3.86642	3.86818	5.01746	3.83194	3.84364	3.82047	3.68625	4.07967
LOC1002	5.59425	4.75713	6.05051	6.15228	5.99873	5.7104	3.00912	4.7766	5.49113	5.36656	4.28892	5.35438	6.12594	5.4874	5.53303	5.12804
LOC1002	3.83921	4.54858	3.80455	5.33851	3.93872	4.74107	4.04173	3.85006	5.45838	4.88598	4.67029	4.29558	5.4529	3.51391	4.11944	3.92591
LOC1002	1.79935	2.29438	4.19043	2.40724	2.10233	1.95254	1.49083	4.40791	2.35886	3.55696	1.87674	2.86273	1.63986	2.01506	2.82464	1.58847
LOC1002	2.37329	4.71408	5.41479	4.30655	4.10606	3.72561	4.95627	4.98541	5.3524	5.75797	3.97251	2.24796	2.90755	5.41787	5.47619	4.37747
LOC1002	4.27584	4.54463	3.67421	3.15929	3.84331	3.91828	3.71929	3.31083	3.44034	4.31978	4.27533	4.25098	4.25636	2.97219	4.36479	2.92719
LOC1002	6.21501	6.96054	6.54075	4.55668	6.06373	6.56041	5.93642	5.5188	6.94927	6.5296	6.42535	6.86411	6.1916	4.80703	7.23189	6.8721
LOC1002	3.76841	3.55786	3.807	5.70272	4.25669	3.6993	3.92606	3.73495	3.86642	6.55926	2.43603	4.31399	5.44364	3.92481	3.78253	4.48935
LOC1002	3.17857	5.29717	5.52733	5.48503	5.30926	3.65332	2.8619	2.21132	4.46917	3.95892	5.01433	4.72092	3.50584	3.82972	2.56931	5.36713
LOC1002	2.30837	0.24489	2.29132	2.22193	1.69898	1.85868	1.85693	1.61881	1.76451	2.15841	2.13586	1.77016	2.13674	2.31516	2.11842	2.4155
LOC1002	7.2851	6.67217	5.85386	7.09292	7.10225	6.51983	6.49304	5.64861	7.43293	5.97535	5.31852	5.82688	5.83098	6.53395	6.1584	5.69955
LOC1002	5.63013	4.27565	4.07133	3.8167	4.3537	3.0658	3.31153	2.75656	3.17124	3.34275	4.75008	4.25098	2.92938	5.00585	2.95994	4.07967

LOC1002	6.79978	4.65943	3.50622	4.42997	6.24633	4.33729	4.36468	3.45352	5.99481	4.38311	4.47005	6.52299	3.82075	6.28459	5.809	5.49001
LOC1002	4.27584	4.08141	3.61284	4.35425	3.76997	3.93664	4.83835	2.88789	3.92436	3.78199	4.49934	4.2698	4.44582	4.59647	4.40237	4.32063
LOC1002	3.04535	2.44316	2.94797	2.83422	2.61273	2.86136	2.70047	2.43067	3.27349	3.15532	2.6113	2.75185	3.17825	3.31071	2.6136	3.17553
LOC1002	4.18547	4.42197	4.76678	2.67969	4.00401	3.37812	3.42552	4.2959	3.31034	4.45539	5.01746	4.39854	5.63126	3.87671	3.84111	0.9979
LOC1002	3.89772	2.49227	3.85578	3.85758	8.11184	6.96924	8.34556	2.37778	3.48123	3.5256	3.69464	5.68436	6.81414	7.21202	8.07874	7.31491
LOC1002	4.53252	4.47732	4.89377	5.6401	4.88154	5.97222	4.80436	6.46905	5.83248	4.47767	5.89092	6.19135	5.21834	5.53943	6.1534	4.93339
LOC1002	6.27461	5.95223	4.78468	4.99227	5.46569	5.47485	5.67516	6.36903	5.18657	5.97829	6.19774	6.39845	5.59525	5.97064	5.46774	5.94145
LOC1002	4.72849	4.69941	5.68746	5.86075	5.75084	6.17775	6.48103	5.10888	6.02933	5.39029	5.84754	5.10078	4.30438	5.55932	5.16259	5.30906
LOC1002	1.74742	1.74177	3.40986	2.184	1.69898	1.63688	1.54854	3.84143	2.76258	2.19868	3.94748	2.04143	1.59204	3.49255	2.26702	3.17553
LOC1002	4.21462	4.8244	2.86268	3.21843	2.83544	3.85447	3.16512	3.61778	5.83794	4.27479	3.99549	4.90933	5.62541	3.33112	3.92173	3.55993
LOC1002	5.55384	6.10884	5.89711	5.77375	5.98886	6.0709	6.28945	5.44583	6.1544	6.25838	6.61185	5.77769	5.87016	6.82376	5.88021	6.16614
LOC1002	4.54239	6.22052	6.05689	4.15684	5.26818	6.176	6.7147	6.74984	6.16655	6.35603	4.98132	6.30064	5.66827	5.78705	5.57669	5.52649
LOC1002	5.44648	6.39845	5.63065	5.2999	5.46371	5.26512	6.39062	5.43449	5.48664	7.19222	6.6689	6.71062	7.97768	5.38506	5.64679	5.55428
LOC1002	4.56185	5.58299	5.59946	3.6993	4.06784	4.97599	3.83857	5.16539	2.35886	3.66644	3.64053	2.53152	4.97252	5.48108	4.38741	5.18553
LOC1002	7.7621	7.57764	6.84709	8.20256	7.60365	7.59394	7.77224	7.63792	6.96924	7.36476	7.53709	8.61511	7.22129	6.85319	7.6948	7.39928
LOC1002	3.17857	3.86261	4.9024	3.83907	5.78602	3.32048	5.49899	3.77845	3.57258	2.83032	3.19795	4.53042	2.90755	3.33112	3.43307	3.12132
LOC1002	6.68626	6.80263	6.98699	6.39462	6.18515	6.38904	7.20295	6.68677	6.72654	6.85564	6.78183	6.23084	6.66117	7.05363	6.40106	6.15584
LOC1002	6.50827	6.23481	6.18254	5.70272	6.10794	6.33758	4.27634	6.04567	3.87677	5.53587	5.9131	6.06084	5.69186	6.16386	3.66756	6.40084
LOC1002	3.50034	3.20291	3.94585	3.56531	3.48434	4.72913	2.90726	3.50531	4.6793	3.55696	6.05484	5.61268	3.44604	5.92308	5.08159	3.88705
LOC1002	5.81705	6.73406	6.33835	6.22568	5.6902	6.52489	5.81987	6.05868	6.87418	5.88112	5.60943	6.9745	6.68032	5.91704	5.39508	6.62549
LOC1002	7.1349	7.76404	6.32627	6.58707	6.68426	7.15152	6.06953	7.55351	6.11334	7.00914	6.56249	7.37425	7.85064	6.77516	6.67421	7.0893
LOC1002	6.5297	6.94695	6.75415	6.66198	6.41867	6.46718	6.12808	6.01489	6.52645	5.24846	6.20745	6.6686	6.15765	5.66451	5.2002	6.20798
LOC1002	4.8689	4.94996	4.61987	5.10366	4.26628	4.59455	4.73921	4.24814	4.74411	4.93233	4.98132	3.91237	4.73116	2.74868	2.1886	4.7575
LOC1002	7.77186	7.60054	8.23685	7.64214	7.23443	8.05054	8.41276	7.95543	7.60382	8.2929	7.21066	7.10574	6.71459	6.92393	7.56395	7.24802
LOC1002	6.23752	6.18762	5.07215	5.14188	5.7079	4.99197	3.39293	4.88503	5.91108	4.67521	5.67044	6.40934	6.64435	5.68695	5.46774	6.64176
LOC1002	5.30253	6.10003	5.70887	6.20242	6.29245	6.09668	5.72213	6.2284	5.84439	7.10844	5.08811	6.22315	5.88635	6.01669	5.34383	5.79136
LOC1002	4.23422	4.3216	2.77497	3.45327	2.73769	4.87977	5.15052	3.15288	3.11326	4.03381	2.95531	4.0069	3.93646	3.0362	4.87885	5.06904
LOC1002	6.63886	6.67057	7.20717	6.50154	5.95694	5.97527	6.2013	6.39586	6.17468	6.47261	6.42465	6.71732	6.59402	6.45261	5.86526	5.76162
LOC1002	5.75916	5.66816	6.46669	6.69103	5.73609	6.37294	6.77986	5.97235	6.76316	6.05696	5.61759	5.45844	2.81611	5.86456	5.7106	6.02513
LOC1002	3.65133	4.46366	5.70084	4.49276	5.24948	4.51021	5.20129	4.52167	4.99664	5.68944	3.86625	6.20478	4.30008	5.2261	4.53252	5.19435
LOC1002	4.8689	2.70876	3.89015	3.6256	2.89774	3.55971	3.76501	3.76379	4.42376	4.18447	3.66652	3.64264	3.69964	2.82083	3.37408	3.35278
LOC1002	5.68319	5.52199	2.91679	3.21843	3.73869	4.66192	5.41755	5.42632	5.54883	4.81582	4.83921	2.64907	4.4044	4.72987	4.59094	4.89233
LOC1003	7.94249	7.84487	7.798	7.59573	7.49457	7.83976	8.02364	7.87272	7.62599	7.63101	7.34437	7.93468	7.31308	7.67409	7.46579	7.86174
LOC1003	1.50761	2.77081	3.0591	3.06525	4.92078	5.42686	5.61119	5.36903	4.95856	1.69907	0.62135	5.04878	4.94162	5.90555	6.03567	5.33762
LOC1004	2.00108	3.30026	3.15379	3.45327	3.48434	3.22527	3.65785	3.47335	2.18568	2.63576	2.18694	2.64907	3.80685	3.24563	2.41671	5.70646

LOC1004	3.1532	2.93403	2.9749	3.25175	3.54704	3.54284	3.65431	3.01908	2.66614	2.6189	2.77897	2.34235	2.38786	2.98436	2.55807	3.29168
LOC1004	6.88011	6.16655	6.64937	6.33989	5.50605	6.54311	6.32414	6.94457	5.91964	7.01673	5.95087	6.28238	7.03578	5.741	6.32101	7.05471
LOC1004	5.80361	4.22688	3.95055	3.78412	3.49824	3.40348	3.82687	4.22833	6.63155	3.95892	3.84453	5.17769	4.26368	4.2645	5.50096	3.88705
LOC1004	4.06438	4.44111	4.1147	5.95105	4.96105	5.10065	5.31618	6.10669	4.3486	4.8484	5.68888	5.12472	4.79121	4.52861	5.63371	5.84449
LOC1005	4.78107	4.85515	4.26508	4.94042	5.99744	4.57551	6.70844	6.61469	4.30345	4.68824	3.24563	6.07483	5.35044	7.43383	6.64251	6.14245
LOC1005	5.55384	5.86819	5.81566	6.27917	5.68755	5.26406	6.1573	6.60271	6.53064	5.95827	6.81398	6.07849	7.18639	5.70403	7.25	5.93916
LOC1005	4.55465	3.0093	4.64981	4.49934	3.97544	4.02048	4.80583	4.70279	4.51121	4.92195	5.81102	4.47708	5.58265	5.08271	4.58508	4.8294
LOC1005	3.76841	6.79985	6.54494	7.04821	7.13233	6.33191	3.58877	6.80563	7.21066	4.14078	5.99489	8.12887	7.69565	3.94866	6.94803	4.89233
LOC1005	7.12487	7.02137	6.98593	7.36696	6.65763	7.11663	7.31233	7.61042	6.82648	7.15042	6.71717	7.58828	7.87748	7.29064	7.1062	7.00351
LOC1005	2.72538	2.89801	3.0093	3.68112	3.22566	2.11228	1.24246	1.61881	2.73661	2.57765	2.75175	1.31925	1.73296	1.88842	1.97136	2.57571
LOC1005	6.53172	6.67683	5.70887	4.9268	4.59728	4.50567	4.67727	5.55549	4.59228	5.69188	3.87668	5.06679	7.02171	4.44205	5.76606	3.89582
LOC1005	6.78078	7.04312	7.50471	7.37019	7.22377	6.97016	7.49719	7.07599	6.62898	6.35718	6.94086	5.4529	6.34532	6.63846	7.31941	6.61588
LOC1005	5.70446	5.48909	3.83335	5.55652	6.00658	4.76146	5.07033	5.07511	3.22752	4.86372	4.5385	6.56497	2.88174	3.33112	4.55074	5.30906
LOC1005	5.75211	4.61283	5.66243	5.6699	5.44316	4.48862	6.33628	4.10002	4.88674	3.49311	5.49848	5.90267	5.62746	4.29638	5.84343	5.56832
LOC1005	3.38024	3.92591	3.9258	4.63885	4.06073	3.18781	5.51451	3.97032	4.15582	3.36001	4.10165	4.14691	3.30026	3.05474	4.25015	3.87671
LOC1005	3.23126	2.81949	4.17234	3.49866	1.96139	3.97955	3.95757	5.29126	2.45641	2.26153	5.17003	3.95924	4.80583	2.40128	3.67122	2.66834
LOC1005	5.52006	4.30874	4.95276	6.20878	5.90945	5.21937	5.06115	4.51886	4.53517	6.38025	4.79301	5.58627	5.7348	4.2645	5.34613	5.19512
LOC1005	2.85784	4.39917	2.70549	3.23213	5.78811	4.66791	5.51451	4.20991	3.74437	3.95892	5.55298	4.60294	4.43617	5.20089	4.08195	4.80528
LOC1005	2.21029	3.47417	2.53621	2.03633	4.05118	3.04945	1.43866	2.30474	2.47145	2.66614	0.90097	2.20167	1.53958	1.64103	1.4899	2.22886
LOC1005	2.27273	3.44137	2.68367	2.25844	3.2065	2.60961	3.10453	1.86949	1.76451	2.66614	2.88166	2.53152	2.5663	3.18151	2.69546	3.17553
LOC1005	7.29718	4.33402	3.84282	6.0554	3.68084	3.97251	5.4508	3.84143	3.99376	6.11917	3.68444	3.73633	3.55868	4.63956	3.41773	5.56832
LOC1005	5.15926	5.2325	4.86793	2.52969	5.21582	4.81041	4.8582	5.04171	4.7523	5.28694	5.62183	5.85386	5.28282	5.08737	4.58061	4.89233
LOC1005	6.69137	5.96305	4.53653	5.79284	6.40172	5.56226	6.30868	6.52418	4.71298	6.42722	6.26612	6.57303	6.58532	5.07516	6.03795	6.32655
LOC1005	4.62405	4.80626	3.86957	4.44124	4.4489	4.38727	4.5939	6.06626	5.19212	4.57223	5.42215	6.5954	6.37512	4.54858	6.8226	4.76479
LOC1005	7.25444	6.47142	5.31649	6.53713	6.84923	7.16652	6.64167	7.2442	6.50381	6.93134	7.02599	7.39033	6.66628	6.87036	7.18879	6.76962
LOC1005	3.20944	2.63607	1.88755	1.3754	2.02496	2.39513	1.85693	5.12208	1.69898	2.57765	3.96082	2.64907	2.52228	2.83991	2.3168	2.34348
LOC1005	1.92303	2.10562	2.91679	2.67969	1.84689	1.59197	2.90726	2.34717	3.11326	4.22052	2.95531	4.77455	1.18021	2.86263	2.67357	2.34348
LOC1005	5.98416	6.28777	5.97927	6.53336	6.04328	6.28503	5.66737	6.33563	6.3009	6.66134	5.83799	6.38382	6.40898	5.72892	6.14046	6.43458
LOC1005	5.85869	4.96244	5.50973	6.08039	5.4497	4.1494	5.46222	6.05868	4.79002	5.96497	5.86142	6.52299	4.98805	5.5659	4.80045	5.49475
LOC1005	0.9979	1.94258	0.89696	1.20944	3.39606	1.19537	-0.238	-1.4826	0.36087	-0.6813	0.90097	-0.2855	0.07153	0.22408	0.61335	-0.3633
LOC1005	3.70138	2.91316	2.14348	2.184	4.24744	3.27349	5.35053	4.84732	2.39727	2.63576	4.86304	2.6814	2.54194	4.72155	3.89749	2.79166
LOC1005	4.10344	3.92591	4.63576	3.50564	4.33348	3.72561	1.68451	2.34717	1.69898	2.77263	2.13586	2.61134	4.35356	4.33558	4.24348	4.74345
LOC1005	5.52006	6.75499	6.43458	6.12151	6.56339	5.70543	6.66184	6.53849	6.01713	6.19425	6.00788	6.15904	7.39967	6.90375	6.31261	5.6819
LOC1005	0.62135	2.39163	4.31281	2.52969	0.75071	1.26539	0.61735	1.61881	1.26079	2.66614	1.03174	2.04143	1.63986	1.84505	2.23945	1.96263
LOC1005	4.9576	6.9154	5.95392	6.16248	6.22659	5.55676	4.80031	5.88871	5.22972	5.71612	6.63705	5.76136	5.07366	4.72563	6.46624	5.45006

LOC1005	2.63482	3.06378	3.77106	4.28639	5.52419	5.73754	5.40039	5.22564	3.63964	4.33627	4.28288	4.2645	6.24882	5.41787	2.69546	5.21721
LOC1005	1.84505	2.34474	2.46272	2.36312	3.38334	2.15563	2.47678	2.61382	2.70734	2.91059	2.52439	2.10229	3.53101	2.31516	3.0951	2.73131
LOC1005	6.17104	6.44352	6.93638	6.85136	6.17087	6.51815	6.84737	6.89264	6.20487	6.75728	6.03515	6.69244	6.94742	6.68544	5.92996	6.36113
LOC1005	6.86908	7.10887	5.74089	6.21387	5.29145	5.49927	6.36841	6.26758	5.79184	5.78834	5.50891	5.64806	6.47493	3.9369	6.40548	5.92122
LOC1005	4.13874	4.83383	4.28379	5.08766	5.35608	3.95717	3.67852	4.34105	4.8246	5.51058	4.71689	4.90058	4.18842	3.45456	4.46511	4.7744
LOC1005	2.81334	1.8084	2.90619	2.52969	2.55772	2.67969	2.61298	2.731	2.43603	3.05259	2.56627	3.08704	2.54194	2.37224	2.72952	2.82844
LOC1005	3.42813	2.41683	3.35289	3.45327	1.88842	3.97251	3.52327	3.10948	3.19069	4.99475	4.61448	4.49442	4.01206	3.10839	5.27854	1.80953
LOC1005	2.00108	5.08775	3.40986	3.52553	4.10606	4.36427	3.50564	4.24814	2.25875	2.83032	4.48301	3.88029	1.93701	1.21564	2.16493	3.85966
LOC1005	5.89078	6.90206	6.20579	7.16525	6.69607	6.45517	6.68534	7.42152	6.48408	7.18981	6.52979	7.13293	6.96636	6.51464	6.93883	7.25982
LOC1005	5.9025	4.86383	3.391	3.04143	4.40686	5.90212	4.96187	5.10888	6.1983	4.60892	4.89126	5.04593	5.7348	3.26302	5.8045	2.61375
LOC1005	5.47317	5.55642	5.44533	5.56651	4.43422	4.99785	5.28371	6.21452	4.49404	3.97041	5.30337	5.33379	4.02061	5.25618	5.15918	4.84049
LOC1005	7.27464	6.63787	7.66756	7.55377	6.73647	7.31004	7.12866	7.51898	7.42833	7.26605	7.35558	8.00791	7.45266	7.2562	7.03035	7.29975
LOC1005	4.63591	4.90215	4.2003	5.20417	5.81346	6.599	5.52799	5.43993	5.45313	6.13152	5.07971	5.40529	6.33713	5.52482	5.00761	5.56494
LOC1005	6.37861	4.91374	3.16713	2.81334	4.62281	3.5373	2.90726	5.1344	4.93727	7.12462	2.24458	3.19844	5.93689	3.16811	5.50576	6.46771
LOC1005	2.96659	3.3786	2.56774	2.73925	2.97095	3.24275	3.23578	2.75656	3.92436	3.2328	3.50469	4.08601	3.65598	3.21424	3.42703	3.29988
LOC1005	3.47335	3.61956	3.79811	3.64199	4.37803	3.57327	5.26131	5.3347	3.49474	5.066	4.18485	3.69374	2.83935	3.16811	5.809	5.8013
LOC1005	3.09851	3.21812	0.53357	0.47227	1.3442	2.60961	2.67152	1.22235	1.45473	0.85718	2.34474	2.07548	1.41985	1.78331	1.44837	1.80953
LOC1005	4.27584	5.38715	6.26517	3.988	6.58382	6.25512	5.61119	4.5714	6.18897	3.3263	3.94748	6.01971	4.369	5.11206	4.78238	4.51207
LOC1005	1.92303	3.94952	5.19903	4.16395	2.33881	3.85447	3.65785	4.95679	3.25201	5.37429	2.6113	4.66059	5.37514	1.72157	2.67357	4.43077
LOC1005	4.98058	5.11644	4.99891	2.95827	3.70286	2.81599	5.35053	5.55155	2.90046	5.30184	5.14857	4.88936	5.95183	3.41704	4.69327	3.89582
LOC1005	5.09791	4.03498	6.03198	5.01314	5.7079	3.96435	4.32228	5.32985	5.68926	5.04176	5.3152	5.8676	5.59895	4.33558	5.84343	4.24336
LOC1005	4.78908	4.89464	4.69108	4.91294	4.68071	4.79243	4.84572	3.93793	5.57542	5.09188	2.15913	4.87924	5.37514	5.32976	4.70756	4.14722
LOC1005	4.47048	4.51771	2.88071	4.72819	4.88936	3.73699	2.31492	3.41422	2.64558	4.60892	3.52473	4.99814	2.98256	3.39861	2.6136	4.27004
LOC1005	2.16905	2.82798	2.59102	3.49407	2.39414	1.53719	2.42155	1.61881	2.18568	2.5437	2.36593	3.73633	2.90755	2.41572	3.13607	1.37509
LOC1005	7.33791	7.03639	6.98087	7.47964	6.30234	6.54069	5.81025	7.79216	6.49724	7.53498	6.94385	6.38874	5.77286	7.13721	6.47173	6.89769
LOC1005	7.41136	7.93681	6.96626	6.8648	7.05702	7.10298	7.718	7.9021	7.13775	7.44886	7.14768	7.28322	8.41793	7.34167	7.03928	7.60767
LOC1005	3.36587	3.20291	2.8391	2.81334	3.30882	2.81599	2.58845	3.29115	2.53538	2.34717	3.23213	3.9057	2.94778	4.37922	3.41773	2.9809
LOC1005	6.97563	6.90878	6.9557	6.88127	6.56723	6.02598	7.02757	7.51158	6.54802	6.9035	6.23514	6.76629	6.01067	6.89307	7.01469	6.57151
LOC1005	3.72099	4.10265	4.36468	5.60298	4.24744	4.01812	6.83375	4.40791	3.91489	4.29458	6.96977	4.06571	5.03851	4.03667	3.662	3.5127
LOC1005	3.50034	2.97605	3.30294	3.15929	2.9933	3.18781	4.56843	2.88789	4.07916	3.2328	3.5826	3.55262	4.85376	6.00226	5.84153	6.48543
LOC1005	5.60724	4.97582	5.42404	5.26197	5.61759	6.10352	5.86472	5.34019	5.06749	6.04806	5.0069	4.92917	5.06106	5.66772	4.51765	5.78757
LOC1005	2.94778	2.59102	2.53621	2.31308	2.2597	3.15165	2.15094	3.13235	1.81152	1.74155	2.93839	2.38821	1.7762	2.74868	1.55502	3.24808
LOC1005	2.46174	1.90355	2.30098	2.04582	2.41001	2.5498	3.61218	2.09472	1.84531	2.81599	1.27761	2.39654	2.06028	1.81848	2.99709	1.99718
LOC1005	4.83353	5.01689	4.30008	4.90609	3.45942	4.41563	4.54368	5.21912	4.98208	5.45949	4.9467	4.37538	4.55172	4.71736	5.22581	4.18392
LOC1005	3.51074	2.4321	2.45415	3.43252	2.24315	3.28	3.06914	3.38612	4.03827	3.78816	2.6169	2.85371	3.8969	3.47381	3.91797	3.71177

LOC1005	6.39845	6.55391	5.84081	6.91448	6.47962	4.84284	6.15008	6.63886	5.26316	7.37148	6.15753	6.52457	5.95183	7.04039	4.79823	6.41469
LOC1005	4.1225	3.96768	4.27232	4.1352	4.09346	3.8778	3.43558	3.9751	4.11091	3.40694	4.46646	3.8669	4.41283	4.07326	4.02856	3.7469
LOC1005	3.53349	2.75642	2.77058	3.72292	4.72146	3.50176	3.82991	4.53328	5.12745	2.73044	3.84282	4.37703	4.2931	4.42191	3.23826	4.28687
LOC1005	3.35226	3.12278	3.93627	2.81334	3.88843	3.28947	1.68451	2.95859	3.15245	5.07547	3.3159	3.01775	4.04818	2.54935	3.12323	4.52926
LOC1005	5.23607	6.76316	5.88924	5.80853	5.92786	6.34034	6.76925	6.12478	5.27633	6.48825	5.9431	5.50884	6.04851	6.81974	5.75929	6.17824
LOC1005	3.23662	4.21854	5.53096	5.42787	3.93705	5.63647	3.84674	4.17171	3.25201	6.27933	4.15843	4.49442	3.25147	6.13943	3.58891	4.07003
LOC1005	5.89078	5.7079	6.01952	6.04768	5.55298	5.56226	4.70432	6.7888	5.36454	6.44639	5.59123	5.45382	3.83289	6.29468	4.42805	6.18888
LOC1005	2.67075	4.11132	2.85757	2.51778	3.17184	3.02185	2.65434	3.02948	2.50218	3.33619	2.92808	3.10996	2.77058	3.02462	2.80132	2.37737
LOC1005	2.45816	2.71916	2.49754	1.89139	2.41001	3.1636	2.40577	1.41985	2.10686	1.76827	2.02448	2.85757	1.444	2.03693	2.28447	1.99743
LOC1005	1.50761	3.25613	1.4899	2.06899	3.27783	2.72526	3.71929	1.83717	2.97568	2.77263	2.8192	3.27772	4.33163	3.0362	2.84494	3.82034
LOC1005	2.63482	2.34474	2.04684	2.25844	2.55772	2.03544	2.47678	2.731	2.13825	1.69907	1.98377	1.4899	1.7762	2.54935	2.50999	2.15094
LOC1005	6.89899	6.77758	5.9554	6.751	6.18897	5.73685	6.70913	6.37377	6.22799	6.11714	6.54488	6.43019	6.91379	6.14586	6.64108	6.61115
LOC1005	3.41112	3.07762	4.2003	4.39175	3.46884	2.89716	5.20807	5.83622	3.88943	4.22052	4.17832	4.21622	3.68721	3.23061	3.67604	3.54848
LOC1005	3.8669	4.64127	3.96659	4.01411	3.37457	3.42081	4.44205	3.8778	3.90987	4.4524	3.20265	3.52053	4.01812	4.51148	4.83573	4.04356
LOC1005	6.37512	6.34052	5.88036	5.70679	5.75084	5.93403	6.32074	6.18589	5.3948	6.06884	5.67523	6.24081	4.67307	5.50359	6.26213	6.33253
LOC1005	5.16837	5.33781	5.6146	5.8045	5.70326	5.54525	5.70907	6.90016	5.5025	5.56785	4.87039	4.4613	6.20535	5.36454	5.34851	6.91554
LOC1005	4.94543	5.07679	5.54525	4.41415	4.92674	6.4856	6.18212	4.84165	5.00335	6.16879	5.35423	4.56642	6.24198	4.34433	4.94373	4.94543
LOC1005	6.22575	6.8721	5.63847	5.76238	4.40686	4.26501	5.85187	5.82161	6.64123	5.05088	5.27788	6.75243	6.23972	5.7004	4.70756	4.73841
LOC1005	3.19594	3.07762	4.03231	3.86957	2.47594	3.87636	4.51685	5.3451	4.2082	3.07203	3.71153	4.08601	2.90755	3.36587	4.81291	2.57571
LOC1005	6.33967	6.28525	6.43274	6.15228	6.17921	6.3245	7.5931	5.76823	6.15224	6.2531	5.81954	6.64463	6.68175	7.56746	6.44688	6.53623
LOC1005	3.15356	3.31615	1.96731	2.3203	2.51538	2.04582	1.65518	2.74745	1.89466	2.96225	2.3109	1.9914	2.91928	2.42836	2.40577	2.24639
LOC1005	1.37327	2.04582	1.64561	2.22193	2.10233	2.51251	2.45415	3.98218	1.76451	2.01376	2.36593	4.873	5.11909	1.4899	2.72952	3.87671
LOC1005	6.0179	5.80184	5.54219	5.76588	5.89886	5.69972	6.0467	5.39962	5.55777	6.01933	5.75622	5.39305	4.81507	5.62801	5.8292	5.19927
LOC1005	6.08511	5.69214	5.63471	5.61979	5.96135	7.62599	7.24292	7.58761	7.62346	7.7897	6.08337	5.58361	5.88405	6.10444	5.95087	5.90297
LOC1005	3.68721	4.11792	4.3486	4.60638	4.46011	4.06784	4.54325	4.69327	4.43096	4.10658	4.0687	4.32585	4.14676	4.38335	4.96893	4.38559
LOC1005	6.10937	3.21812	4.79439	5.42404	3.57987	4.50127	4.84572	4.41679	5.22807	5.47996	5.35576	5.62801	5.21117	5.20089	4.18506	5.33438
LOC1005	5.87942	5.68176	5.82908	5.96658	5.38659	5.45613	7.00638	6.22685	5.0902	5.28385	5.45006	5.36229	4.60918	4.82888	5.73904	6.18996
LOC1005	3.39513	2.56774	3.31271	3.21843	2.53024	1.68859	2.8619	3.84143	2.92006	2.01376	2.73426	2.69934	3.32016	2.93125	2.1886	2.01298
LOC1005	6.94242	7.28322	6.82876	6.96941	6.9262	7.37469	6.59885	7.53761	6.69111	6.43385	6.55112	6.85409	7.18347	6.54028	6.93323	7.30569
LOC1005	6.9109	7.22958	7.08717	6.92817	7.08864	6.89966	6.91755	7.26141	6.87418	6.92974	6.71904	7.16652	7.14818	7.23713	5.85731	7.57979
LOC1005	3.88146	4.19924	3.63765	3.3087	3.15782	3.69689	3.87488	3.42592	3.58832	4.47102	3.60362	3.25775	3.79931	3.42499	4.3118	4.44493
LOC1005	6.83917	6.2608	6.99984	6.9116	6.33978	6.86019	3.35187	6.6076	6.88127	6.56491	6.37283	6.03345	6.4281	6.85319	6.17101	6.93418
LOC1005	2.21029	4.58555	2.63513	2.61385	1.80599	2.72526	2.53476	2.731	2.47145	3.53934	3.42769	2.07548	2.98256	2.83991	2.34348	2.45954
LOC1005	6.70411	6.31325	6.63553	6.61362	6.29156	6.69601	6.18679	6.60839	6.70168	6.54955	6.15156	5.47164	5.12489	6.51914	6.48699	5.9345
LOC1005	2.16905	0.9589	1.68451	1.50761	1.77016	0.81159	2.15094	0.97208	1.18021	1.15042	1.87674	1.54854	1.11444	1.21564	0.88665	0.9979

LOC1005	2.44059	1.9808	2.40841	1.96731	2.39414	1.90997	2.67152	2.70064	2.13825	2.44811	2.38828	2.97562	2.13674	2.37224	2.3168	1.96263
LOC1005	3.28382	2.79266	4.96769	2.63639	3.89996	3.22527	2.70047	4.65546	2.64558	3.50939	3.77904	3.04581	3.91647	2.44811	4.17392	4.08624
LOC1005	2.53024	3.54594	2.44429	5.01314	4.4943	4.29854	2.47678	5.28095	4.66437	4.83738	5.09621	2.53152	4.94479	3.29459	5.20755	4.70463
LOC1005	4.81992	4.74876	2.88071	3.73945	2.21727	2.69944	1.80024	3.10948	2.31622	5.41838	3.05202	2.46803	2.88174	3.55944	4.32106	3.0606
LOC1005	5.4792	6.34505	6.48767	5.68888	5.93462	6.53804	6.11311	5.67359	5.70415	4.55142	6.0104	6.03345	5.52441	6.56531	5.78757	6.52383
LOC1005	6.19499	6.78078	6.31081	5.55428	6.0536	6.489	6.21417	6.40916	6.48855	6.55405	5.70221	6.7349	5.1616	6.51976	6.30215	5.97739
LOC1005	3.48571	3.84364	3.74811	3.49407	4.01012	3.93664	3.55696	4.16157	4.13584	2.91059	3.32655	4.16089	4.21419	4.13014	4.27526	3.78507
LOC1005	6.91688	7.15498	7.09966	6.51863	6.82339	7.02275	7.08315	7.14114	6.63311	6.84701	6.45868	6.68752	6.83975	7.00107	6.84527	6.88475
LOC1005	5.7457	5.24458	6.28952	6.06855	5.36162	5.50242	5.47996	3.71916	4.11778	5.36306	5.73322	3.91935	3.58948	5.73039	5.02595	4.79956
LOC1005	5.76629	6.10182	7.06359	6.37105	5.83049	7.14295	6.38687	7.207	6.70136	6.43759	6.50281	6.96898	6.35449	6.22003	6.43323	6.94884
LOC1005	6.07264	7.56512	6.48278	7.13124	6.86138	6.99526	7.58885	7.43579	7.74091	6.90215	6.75934	6.83262	6.61504	6.89636	6.91111	6.09299
LOC1005	3.96234	5.01451	3.71057	4.32782	4.12179	4.67817	5.51103	4.25148	4.62463	4.02516	4.13561	3.13704	4.5638	4.45472	4.34511	4.83168
LOC1005	3.06503	1.9808	2.14348	3.15929	2.36593	3.20546	4.47708	2.64349	3.27349	2.66614	3.80377	3.08704	3.55868	3.27909	2.34348	2.22886
LOC1005	2.76036	4.27841	4.46957	3.95717	3.30245	3.52683	2.71531	2.83233	3.05291	3.92749	3.32134	3.87665	4.0183	3.76612	3.87736	3.23455
LOC1005	5.99359	6.68597	6.16281	5.73502	5.51597	5.77708	6.19774	6.58645	5.89332	6.33734	5.73705	6.3267	6.30369	6.38308	6.11665	6.15746
LOC1005	2.91334	2.79266	3.15379	4.17431	5.5274	2.65434	1.80024	3.85505	4.15582	3.15532	2.83774	2.79123	2.39587	2.51368	2.69546	2.79166
LOC1005	5.17376	5.5295	3.74811	5.00785	4.89904	5.21084	5.91869	4.56358	5.06749	4.85694	5.81261	4.80682	6.11748	4.7453	5.41777	3.24808
LOC1005	6.02602	5.95253	5.73816	6.66049	6.12018	5.91594	4.94613	4.95192	4.97201	6.09815	5.91135	6.49631	6.79393	6.20404	6.3871	5.80686
LOC1005	5.4315	5.06897	5.27758	5.22073	4.08624	5.48731	5.29633	3.17146	4.79002	5.00386	5.78133	5.39305	5.21928	4.87894	5.53021	3.96332
LOC1005	4.32878	4.18777	4.42849	4.2436	4.17832	4.88285	5.60857	3.70116	2.55232	4.43455	3.38957	2.7797	4.03638	4.64863	4.38559	3.36263
LOC1005	3.56191	4.17704	2.35871	4.89975	4.38405	3.90614	2.73211	3.60236	4.34561	3.02948	2.8192	4.16089	1.41985	4.91553	2.14289	3.07505
LOC1005	5.90515	6.05999	6.1193	6.35585	6.08891	6.42499	6.07864	7.26141	6.32432	5.59155	5.94244	6.68938	6.87351	6.47903	5.61104	6.15381
LOC1005	6.42465	6.28525	6.17527	6.62241	5.93462	6.55239	6.59245	6.41892	6.54247	6.50709	6.0322	6.35103	6.15519	6.39672	6.30868	6.92346
LOC1005	6.07045	6.34341	5.50806	6.59688	6.50348	6.02057	6.97076	7.10697	6.67871	6.26461	6.16536	6.97727	6.76807	7.02022	6.88118	7.00224
LOC1005	6.78671	6.65991	6.86841	6.67173	6.76443	6.18	6.39959	6.99654	6.12635	6.38025	6.5815	6.93816	6.65877	6.55955	7.39967	6.30604
LOC1005	5.58674	2.10562	5.24859	2.4789	5.07153	4.3562	3.20323	4.73705	5.49837	5.55753	5.04116	5.38586	5.05646	5.4694	5.14236	4.51771
LOC1005	5.17275	4.13924	4.00461	5.26039	4.31354	4.71588	5.25231	4.57686	5.22203	4.01612	3.04535	1.28009	2.97258	3.73746	5.25261	3.19522
LOC1005	6.65043	6.26959	6.14022	6.72621	5.87819	5.80993	5.93413	5.05229	5.99397	4.55715	6.05388	5.71495	6.4995	6.35777	6.35462	4.98618
LOC1005	3.47335	2.89801	4.92155	2.184	3.10976	4.4649	3.18384	3.3596	5.49837	5.08139	2.01441	3.11416	4.93183	2.37224	5.68631	3.97214
LOC1005	4.1934	6.17887	4.61987	6.01673	4.79167	4.02752	4.19082	5.93603	6.77204	5.69927	4.60207	6.98113	6.14124	4.41097	6.4751	4.52387
LOC1005	5.48909	5.95929	5.88764	5.3496	5.44159	5.37151	5.56771	4.55731	5.04748	6.26147	5.93172	5.77304	5.45776	5.24694	4.91529	5.03866
LOC1005	2.30837	4.26036	2.88071	4.69677	2.18367	2.95599	2.27576	2.78286	3.27349	3.37812	1.85273	1.4899	2.7137	1.36152	3.25706	2.61375
LOC1005	2.37329	1.94258	2.11428	2.22193	2.1445	1.26539	4.54584	0.48812	0.36087	1.00522	0.99002	2.46803	2.00801	4.369	1.22113	1.85717
LOC1005	7.2446	7.40438	6.4651	7.2775	6.8873	7.52956	7.0851	7.60078	7.04132	6.96882	6.37128	6.77815	7.52074	7.40895	7.1111	7.57041
LOC1005	3.20944	2.29438	2.86268	1.85049	4.6969	2.63321	2.47678	3.08616	3.2065	4.75195	2.45719	2.64907	4.76655	2.59761	4.21327	2.79166

LOC1005	7.66502	7.31427	5.32082	6.75738	6.09492	5.66181	6.47731	5.19056	5.35968	6.14773	4.95874	5.84031	5.63022	5.56699	5.28039	4.84137
LOC1005	5.17869	2.07729	5.34947	3.10053	4.88936	4.80276	5.08709	5.14009	4.02473	4.80682	5.21362	5.1305	4.26368	4.71408	4.50446	5.2591
LOC1005	2.72538	2.31976	2.66774	3.08274	2.42207	2.07394	2.5047	2.37778	3.46459	2.50603	3.27847	2.10229	2.31554	3.01384	2.98901	2.63794
LOC1005	5.91118	5.94789	5.23935	5.54505	4.51886	5.79169	4.86994	4.49662	5.29255	5.541	5.63617	5.05314	5.0263	5.86754	4.56642	5.7957
LOC1005	5.64102	4.95657	5.59813	5.82908	5.0651	4.47874	5.70687	4.84933	4.79259	4.43542	3.75445	4.68167	6.53843	5.42167	4.57451	6.18481
LOC1005	4.31556	3.84364	5.01314	4.4487	3.94739	4.03667	2.75954	3.29115	4.04754	3.68301	5.40569	4.60294	5.51437	4.38727	3.18863	3.90548
LOC1005	4.51805	5.59022	5.63471	5.62746	5.46159	5.83	5.76368	4.84732	5.56217	6.00553	3.981	5.71898	5.72346	5.58961	6.04278	6.08408
LOC1005	6.38016	6.03955	6.00448	6.01474	5.67359	5.77708	5.22744	6.65137	6.13643	6.69975	5.65233	5.88076	3.80685	4.15245	5.66145	5.75373
LOC1005	5.38528	5.33296	5.70234	4.61877	5.45343	5.57083	5.53155	6.50191	4.84572	5.35699	5.8714	3.71438	4.15694	5.92308	5.62812	5.03426
LOC1005	5.59803	5.74889	4.51085	6.11348	6.15674	6.52891	6.84939	6.14174	6.29614	6.34969	6.35836	6.75482	6.62207	6.48478	6.24	5.66473
LOC1005	6.00298	7.34016	8.02082	5.8181	5.8772	6.7566	3.70182	6.94031	5.3524	6.8108	5.97954	7.33133	2.26476	6.21387	5.7106	6.31477
LOC1005	1.87757	2.51658	3.02585	3.23213	3.01001	2.39513	2.0296	2.91144	2.03262	3.18735	3.94748	3.03309	2.36805	3.14828	3.18863	3.17553
LOC1005	2.55807	4.2136	4.08394	4.5915	3.14557	3.81413	2.81469	4.9083	2.76258	4.89182	2.83774	4.74678	3.90551	2.01506	4.64145	4.92816
LOC1005	5.72697	6.12794	6.08596	6.15085	6.33679	5.13733	5.73664	5.28765	6.51248	4.96394	6.31219	6.34674	6.5997	4.91332	5.79256	6.01665
LOC1005	1.26457	1.27177	0.93298	2.31308	1.97947	1.19537	1.32308	2.10233	1.00765	2.69205	2.38828	1.77016	0.41936	1.1104	2.00801	2.4155
LOC1005	5.99359	6.51748	5.75095	5.75909	5.72137	5.39264	5.54226	5.9856	6.25692	6.26461	5.68938	5.50994	6.30234	6.26612	5.55526	6.30604
LOC1005	5.47317	3.9717	3.27793	3.50564	3.32431	3.391	3.60262	5.11563	6.3998	5.04176	4.00564	4.52724	3.54537	3.23061	3.63405	3.6454
LOC1005	4.15084	4.61534	4.88247	4.90301	4.75405	4.71358	4.88503	4.85485	4.86538	4.82016	4.67969	4.1925	4.55579	4.49747	4.47464	4.63626
LOC1005	6.79829	6.8328	2.82464	6.92489	5.12472	6.6694	4.68519	6.07103	4.50459	6.19425	4.35988	4.38384	6.8657	6.89922	6.43998	6.35062
LOC1005	5.52006	5.29717	5.50045	4.15684	4.87415	5.1893	5.01022	4.51886	4.10622	5.40153	4.3025	4.37137	4.36086	4.73364	5.37466	5.14578
LOC1005	4.09001	4.63576	4.4943	4.8242	4.87555	5.05688	5.20976	5.25231	4.78714	4.94808	4.61234	3.64114	5.16804	5.33448	5.01537	5.47147
LOC1005	5.4983	6.01669	5.69888	6.12918	5.11666	5.89004	6.34587	6.07103	5.17084	6.29245	5.72061	6.05673	5.78611	6.15504	5.78145	6.28047
LOC1005	3.28382	3.24563	3.57935	4.55668	5.33875	4.84871	4.05033	3.98218	3.91489	4.11175	3.33935	4.51613	3.43133	3.99364	4.10265	3.39583
LOC1005	3.48571	2.72769	3.13257	3.41062	3.27783	2.60961	4.18377	2.91144	3.35168	2.83032	3.96082	3.96659	3.51845	3.9712	3.18863	3.67519
LOC1005	3.50034	3.81549	4.39825	3.24321	4.70851	4.17372	3.83857	4.6981	3.29007	3.98113	2.75175	3.85447	3.32016	3.24563	3.8556	3.84496
LOC1005	3.35226	3.03524	2.86268	3.00618	2.73769	1.63688	3.03237	3.19037	3.02333	3.37812	2.95531	4.71106	2.81611	3.09139	2.98901	3.29988
LOC1005	5.61731	5.98462	5.40179	5.74238	5.4639	6.02858	6.10535	6.02713	5.39676	6.20951	5.65616	5.8509	5.95902	6.08272	5.92025	5.83426
LOC1005	5.88704	6.79541	4.92155	5.02826	5.24432	6.0709	5.52025	6.07547	6.26758	6.37861	6.01372	6.38151	6.44624	5.73779	5.67434	5.68579
LOC1005	7.67409	5.99803	6.5054	7.05554	6.67139	6.59049	6.45517	7.27263	6.81987	6.2052	6.61879	6.94269	6.52065	6.43737	6.53216	6.96509
LOC1005	6.75738	6.18222	6.94842	6.88861	6.35878	6.80782	6.55687	6.87168	5.71298	6.82394	6.35366	6.92366	7.16126	6.8053	7.19234	6.47888
LOC1005	5.19994	4.80261	4.94991	4.60376	3.70286	4.64929	4.32992	4.93717	5.54116	5.38528	5.22953	3.18013	2.83935	3.90216	4.80793	5.21946
LOC1005	3.21664	2.96741	3.64199	4.04855	3.5152	3.16274	5.82134	2.57136	3.34362	4.34817	3.27538	4.37968	3.92098	3.27215	3.59087	2.54292
LOC1005	4.0622	3.94506	4.60388	3.6256	4.46197	2.42212	2.53476	3.71916	2.35886	4.66095	4.00564	5.12821	4.77727	4.49472	3.78253	5.38269
LOC1005	6.30873	6.2039	5.20817	6.31876	5.51788	6.00893	6.02435	6.03916	5.62571	5.81071	5.34835	6.03179	6.30778	6.51651	6.1126	6.10737
LOC1005	1.54854	2.77081	1.95191	2.31308	1.42806	1.95254	2.27576	1.91261	1.98342	1.43866	1.03174	2.29689	3.28382	1.88842	2.23945	1.58847

LOC1005	6.34518	5.32348	5.75095	5.517	6.1833	6.03673	6.09746	6.26155	5.25797	5.36306	5.07971	5.14665	6.31854	6.13502	6.05381	5.69415
LOC1005	4.20074	4.85515	5.75475	5.38794	5.57001	5.37887	4.21561	5.3634	5.18228	5.13192	3.85459	4.0069	6.24655	5.33354	4.84645	5.37077
LOC1005	4.88397	4.85258	4.10208	4.75199	4.74464	5.44417	5.32165	5.50474	5.44505	5.18154	4.42419	3.89312	5.43394	5.46159	4.3777	4.05603
LOC1005	1.96392	2.31976	2.75954	2.03633	2.50418	2.53476	2.78886	2.75656	2.28837	1.69907	2.77081	2.20167	2.96494	2.65463	3.25706	2.9809
LOC1005	5.18064	5.33954	5.21203	4.92341	4.90027	5.30969	5.61701	5.14209	4.86873	4.9792	5.41227	5.08129	5.0999	5.32306	4.92622	4.72303
LOC1005	6.31081	4.2136	4.81549	6.7248	4.15744	5.13815	4.887	4.99236	4.68603	5.91555	5.10716	7.16343	5.39073	7.08656	4.72967	6.08232
LOC1005	5.41746	6.10602	5.90764	5.6699	5.47955	6.62257	6.48592	6.26758	6.10723	6.48123	4.31274	4.16089	4.21419	6.75623	4.64949	5.51195
LOC1005	5.8673	6.27095	5.31846	5.45648	5.79101	5.26563	6.01819	5.55036	6.31624	5.98051	5.54788	5.44364	5.22008	5.96359	5.13747	6.00736
LOC1005	6.23529	6.12603	6.68871	6.40922	6.47439	5.95178	6.29926	7.1297	6.57832	6.67555	6.22003	6.6695	6.31563	6.22225	6.14592	5.91276
LOC1005	6.60068	6.60847	7.15615	5.87754	6.76746	6.89843	6.76425	7.23955	7.86294	6.94854	7.25884	6.92468	7.4807	7.50686	6.64896	6.28047
LOC1005	6.04791	5.96804	5.5234	5.47823	5.71755	5.6452	5.45648	5.43204	4.93488	5.34036	5.21762	4.71408	5.65866	5.84153	4.68565	5.76275
LOC1005	5.88087	6.41941	6.45093	6.60156	6.35585	6.63624	5.6242	5.52231	6.11635	5.85517	6.02659	4.37137	5.63427	5.95512	6.08253	5.38269
LOC1005	3.28382	2.82798	2.46272	2.95827	2.83544	2.86136	2.90726	2.95859	4.3624	2.72148	2.88166	2.86273	2.81611	3.42962	3.16274	2.59102
LOC1005	6.26733	6.55067	5.71968	5.77375	6.8247	5.85906	6.29363	7.46989	5.79184	5.78516	7.40382	6.05262	6.87459	3.3814	6.04054	6.49899
LOC1005	4.9939	4.99527	4.90711	5.45483	5.67026	4.83812	2.45415	4.70767	4.64364	5.81741	4.5939	2.31832	5.64247	5.84102	4.67557	3.7755
LOC1005	6.75866	7.07381	6.87258	6.82775	6.44565	7.09069	6.75984	7.18328	6.81622	6.35603	6.61445	6.78347	6.76637	6.74255	6.48103	6.36933
LOC1005	6.11935	5.85056	4.88716	6.54516	6.99884	5.35512	5.92806	4.9984	5.12838	4.47533	3.65785	5.04878	5.96423	5.07516	5.77322	4.86726
LOC1005	3.38024	4.47322	3.42172	3.5907	2.76484	4.00784	3.50564	3.56906	4.58372	3.44491	5.64598	3.01775	4.006	3.18151	3.37408	3.20278
LOC1005	3.0835	2.72769	2.35871	3.35104	2.42207	2.53476	2.47678	2.83945	3.31034	2.57765	2.93839	2.69934	2.52228	3.41704	2.81201	2.04035
LOC1005	5.82322	5.70016	5.07215	6.09052	5.74166	5.42686	5.06647	6.05079	5.90229	5.44823	2.36593	5.60943	5.43532	5.89832	5.63098	5.30548
LOC1005	6.2054	5.03176	5.30419	5.47965	5.14982	5.60384	6.1846	4.5714	5.53587	5.6242	5.60533	5.20401	5.69754	5.40633	4.36887	5.29817
LOC1005	5.34559	7.29595	6.04001	6.49089	7.05301	5.97352	5.77371	7.02199	6.02933	5.35295	4.45332	6.7914	4.369	5.55115	6.39985	5.47836
LOC1005	6.02417	6.33721	5.24859	6.02475	5.54991	6.29331	6.0467	6.35585	6.1983	5.066	5.72903	6.34505	5.88635	5.73779	6.46662	5.95267
LOC1005	2.84494	2.66311	2.75326	3.75654	3.87338	3.59043	3.95471	3.49691	3.63078	3.72386	3.27314	2.39894	1.91968	2.76414	3.28711	4.60364
LOC1005	6.41254	7.13112	6.80099	7.38458	6.21853	7.02957	5.82817	7.59935	7.28099	7.0977	6.12794	6.97145	6.27623	6.59011	6.27134	6.52531
LOC1005	5.61435	5.6823	5.17184	5.42209	4.98618	5.94952	4.98618	5.78351	5.78665	4.64244	5.33448	6.22616	5.76574	4.98767	5.91445	6.20935
LOC1005	3.17857	2.81246	2.89422	2.4789	2.10233	2.81599	1.98828	3.13235	2.28837	2.69205	2.36593	2.86273	2.81611	3.3814	2.881	2.36473
LOC1005	6.63886	6.98222	6.22214	7.00465	6.0605	6.81462	6.35718	7.39759	6.86237	6.64145	7.16235	6.94612	7.38245	6.75243	6.83673	7.31596
LOC1005	1.74742	1.62441	2.56774	2.40724	2.21727	2.69944	2.42155	2.70064	3.49474	2.23712	2.15913	2.01179	2.8623	2.62575	2.47462	1.62293
LOC1005	5.30988	5.5046	5.18945	3.8167	4.88936	6.01466	6.47672	5.72395	5.14293	4.85694	5.81383	5.47492	5.06106	5.26764	5.56922	5.83128
LOC1005	2.50129	1.67217	3.57935	2.31308	3.2065	3.24275	1.73976	3.56906	3.06765	3.50939	2.52439	4.66991	3.14193	2.97219	2.21248	3.65514
LOC1006	6.54748	5.59022	6.37807	6.40719	5.58134	4.87162	4.25853	4.52735	4.46077	6.49415	5.71853	6.0106	5.77286	5.36972	4.85844	6.49221
LOC1006	4.71959	6.82429	5.33204	6.633	5.59579	4.92969	5.67328	5.36187	4.44454	5.49864	5.1084	5.6056	6.93224	5.75909	5.62668	5.36466
LOC1006	4.00611	3.53272	2.9008	4.10354	3.25357	3.48604	2.55171	3.14371	2.64558	2.83945	3.14328	4.10404	3.55528	2.7875	3.575	3.09655
LOC1006	3.5501	4.37518	3.65613	4.02962	3.45301	4.21021	3.68625	4.32501	3.38569	3.49311	4.70133	4.02412	4.03129	3.8872	4.06086	3.97214

LOC1006	4.51707	3.83857	4.74035	4.49959	4.67765	5.18222	4.46375	4.70148	5.1601	5.12864	4.55142	5.3421	4.26138	5.43485	4.66867	4.46511
LOC1006	6.26612	3.91554	4.08394	3.86957	5.32934	5.27193	5.08709	5.86281	5.58265	5.13192	5.61291	5.91457	3.95924	5.30815	3.69726	3.79382
LOC1006	3.73406	4.93789	5.72456	5.29187	3.59057	4.84871	3.8062	4.68363	4.10622	5.26485	4.94996	3.00642	4.69241	4.51021	4.22871	4.37426
LOC1006	5.58674	3.51602	5.26567	4.0196	4.31232	3.98206	5.70189	5.27601	3.65431	6.30132	4.10776	4.11653	3.42036	4.64607	4.75761	5.48056
LOC1006	5.82837	3.77151	3.89706	3.71004	6.15893	5.28311	4.02856	4.11111	5.70877	4.72736	5.72903	5.02595	4.07063	5.741	3.52918	5.7127
LOC1006	5.44106	5.38125	3.0093	4.0196	2.87786	2.65434	2.75954	3.58474	2.76258	3.63896	2.73426	2.59016	2.83935	2.51368	2.72952	2.79166
LOC1009	2.72538	2.72769	3.31271	4.47874	4.97329	3.54848	4.54584	3.13235	3.42477	3.60777	4.3863	3.03309	4.19674	3.7466	2.76084	3.99805
LOC1009	5.66365	5.83371	5.37462	5.43449	5.34251	5.46179	5.6242	5.19191	5.29959	5.34336	5.31852	5.12344	5.12757	5.69822	3.96629	5.55105
LOC1009	6.78183	5.01945	5.20172	6.01875	3.65448	5.74682	5.99194	3.53745	5.22283	4.21305	4.33293	5.94963	5.21576	4.33558	5.74014	5.14895
LOC1009	2.50129	4.14691	2.65267	3.38369	3.78235	3.76182	4.69773	2.67421	2.07939	2.91059	2.43603	3.38388	3.19903	3.80927	3.27847	3.76737
LOC1009	3.06503	6.55645	6.29699	7.27587	5.51788	5.96787	4.18377	6.02598	5.77139	3.05259	6.33362	6.95533	6.39618	3.47687	4.94595	5.74014
LOC1009	1.26457	2.01809	1.54854	0.90097	1.88842	0.81159	2.5047	1.67907	1.53958	1.15042	0.90097	1.4899	4.02061	1.4403	0.24178	1.62293
LOC1009	2.61145	2.63607	2.40841	3.77125	2.89774	2.60961	5.53505	2.83945	2.50218	3.47656	5.54563	3.99007	2.66449	3.01384	3.13607	2.86424
LOC1009	4.49101	3.03524	2.38251	2.03633	1.93871	2.97137	2.23396	2.23712	3.19069	2.42411	2.04035	4.9875	1.82475	2.48051	4.78962	2.99971
LOC1009	5.75253	4.44564	3.70541	4.42755	4.8578	5.07559	5.24722	5.62606	4.06652	4.61514	5.07404	4.62434	5.91335	5.13338	4.7148	5.14368
LOC1009	2.55807	1.84587	3.391	1.11532	2.81309	4.05393	2.70047	3.53745	1.63986	2.15841	2.75175	3.0573	1.11444	3.12884	1.85273	4.34302
LOC1009	5.70016	4.92195	6.03556	3.94629	2.89774	6.40279	6.08549	6.44616	6.21797	6.95503	5.02177	2.79123	2.88174	4.69923	4.25015	4.24336
LOC1009	4.45264	4.26036	4.81861	4.81755	4.11679	4.68499	5.03767	4.87281	4.27526	4.6502	3.92452	4.79449	5.56699	4.47605	4.7616	6.24469
LOC1009	6.47895	6.60667	6.51534	4.77837	4.51886	5.23419	3.52327	5.12208	6.69306	5.13192	5.76347	4.25098	5.34576	5.3792	3.27847	3.6935
LOC1009	6.0104	3.50584	2.77497	4.2786	4.92078	2.45459	5.23329	3.17146	3.31034	3.15532	3.33935	4.53042	1.86408	4.73364	5.0902	4.17756
LOC1009	4.40931	3.65286	4.35384	4.25015	4.40931	4.21327	5.12987	4.67557	4.59445	4.65881	4.45956	4.39215	4.65655	4.6173	4.59974	5.14689
LOC1009	7.5808	6.51608	6.07023	7.20458	6.3009	6.2132	6.67266	5.86031	5.9177	6.15194	6.24092	5.98093	6.1129	6.42667	5.81289	6.04592
LOC1009	5.00441	3.59749	3.25331	2.90159	3.55491	3.20546	2.06028	3.74908	3.55701	2.23712	3.50469	3.55262	3.55868	3.58891	3.37408	3.6935
LOC1009	7.17866	6.12774	6.45489	6.53748	6.86383	6.32129	6.17289	6.76714	5.99882	7.27438	5.27601	5.88699	6.65613	6.63624	6.86056	7.11463
LOC1009	7.59162	8.08867	7.16051	7.48402	7.07392	6.85291	7.00172	7.54069	7.38979	6.77476	6.13735	7.65545	7.30433	6.82116	6.65319	7.02275
LOC1009	3.15604	3.61521	3.73667	4.28084	4.07882	4.06947	3.7868	4.33776	4.44382	3.86074	4.47102	4.24058	4.14737	3.61047	4.04104	3.65754
LOC1009	3.09851	2.51658	3.48538	4.69677	3.42572	3.55971	3.65785	4.07245	4.36917	4.57223	2.75175	3.89608	5.06539	4.76631	5.22658	3.29988
LOC1009	4.59992	2.59102	2.95766	2.98748	5.29145	2.69944	3.16512	5.6453	4.59837	4.00874	2.15913	4.98079	3.58948	4.89464	2.9127	5.32654
LOC1009	5.36009	5.34433	5.1165	5.27776	6.02339	4.90919	5.29633	6.19989	3.98331	4.68824	5.63617	5.52874	5.84353	5.52908	5.84153	5.75373
LOC1009	6.81012	7.01865	6.99654	7.34628	6.54256	6.46938	5.88592	6.73741	6.97401	6.88467	6.75043	6.745	6.31489	6.93247	6.53564	6.83535
LOC1009	5.36418	5.34983	5.30419	6.89281	6.25369	5.2799	5.9041	6.54251	6.03972	6.75307	5.28039	5.85641	6.49114	4.84817	6.13042	6.2896
LOC1009	4.63015	5.29717	3.13257	4.3777	4.79743	4.81617	4.88202	6.091	5.53149	4.53581	5.61441	5.7079	5.20492	5.05858	5.65551	5.52251
LOC1009	6.07584	5.52199	3.20427	3.56531	4.5743	4.7822	6.71054	6.18589	4.99264	4.86372	5.26083	5.13371	4.75137	4.32699	5.11379	3.17553
LOC1009	10.494	10.3741	9.39051	10.4519	8.61779	9.99653	8.16199	9.97015	10.0988	9.14447	8.46182	10.5911	9.5326	8.84845	8.4084	10.3833
LOC1009	4.43162	5.63467	5.42722	4.83683	4.46197	4.64929	4.42347	4.1399	5.45313	5.43853	3.16885	3.11416	5.54416	3.55944	5.02838	2.7492

LOC1009	8.37315	8.74298	8.34481	7.01098	8.70076	7.07623	10.1711	9.87044	9.18833	5.92461	8.59276	8.72336	8.52934	8.46622	9.42229	8.396
LOC1009	2.13523	0.79	2.14348	1.20944	3.07162	4.39841	4.99448	1.31605	1.92414	2.34717	0.69487	2.24796	3.80685	2.44811	2.34348	3.12132
LOC1009	3.32431	3.06378	1.76827	2.67969	2.63482	1.73976	3.20323	1.86949	2.73661	1.63837	3.47644	3.03309	2.5663	1.88842	2.45708	1.62293
LOC1010	2.77283	1.62441	1.73976	2.72117	1.54197	3.57327	4.17685	3.77845	2.88086	1.96807	4.61069	5.06679	2.75699	3.16811	3.25706	2.79166
LOC1010	4.25809	5.16113	4.11758	5.25003	5.70562	5.80329	6.10873	6.28271	3.33041	5.54577	2.48014	3.68084	5.15157	6.16168	5.2998	6.25847
LOC1010	5.29878	4.42829	4.66716	4.3989	3.41088	2.74824	3.00912	5.20645	5.19212	4.06894	3.88263	4.64303	5.47935	1.6809	2.14289	3.01871
LOC1010	4.30102	3.96497	2.91679	3.33739	3.86774	2.53476	3.42552	4.85984	4.61934	2.85867	5.54563	2.73426	3.0877	3.52815	2.86345	5.28996
LOC1010	3.32431	1.7774	3.24205	2.63639	5.57001	4.91415	7.92217	1.96139	3.74437	2.2766	2.27492	3.29115	6.4043	5.89027	5.9283	6.49706
LOC1010	3.16429	3.59749	6.38623	3.48474	2.50418	3.30682	6.7472	6.27334	3.45216	3.6977	2.63321	6.43414	2.92938	2.79431	2.43868	3.73803
LOC1010	6.86762	6.69674	6.75488	6.82985	6.19879	5.49837	6.54574	6.97788	5.68702	6.15117	6.06758	6.25817	6.62489	6.22079	6.57373	6.57211
LOC1010	1.50761	1.32117	1.4899	1.444	1.54197	2.21366	1.91146	2.70064	1.87545	2.19868	1.7041	2.15748	2.7137	1.97057	2.50999	1.73976
LOC1010	5.97437	6.10182	6.75957	6.11947	6.18701	6.62048	7.39264	7.31977	6.9788	3.26858	5.88871	6.61625	5.86376	6.37067	5.77322	6.66059
LOC1010	3.53756	5.74238	3.37247	3.68112	4.5743	4.91834	4.74782	4.61194	4.14509	5.64594	4.09367	5.07937	5.12757	3.24563	4.92331	3.86818
LOC1010	6.35366	3.20291	5.25704	6.0617	4.53186	6.56837	5.85187	6.18068	6.73855	5.6662	6.09857	7.05497	5.75502	5.47358	5.62812	5.39922
LOC1010	6.14229	6.22022	6.14076	6.10275	5.97983	5.75373	6.05003	6.24154	5.7212	5.73966	5.78073	6.12725	5.82616	5.63419	6.41202	5.79986
LOC1015	5.00441	4.76112	3.77106	2.93958	2.97095	4.94013	3.49217	5.43004	5.18228	3.53934	6.05828	5.55179	5.18671	4.81617	3.23099	5.39741
LOC1015	4.14888	3.62805	2.99564	3.6916	3.57987	3.76182	4.43758	4.97563	3.79382	3.02948	4.25636	3.65608	4.45382	5.23003	4.21771	3.48415
LOC1019	2.50129	4.91374	5.39353	4.38405	5.47252	5.50567	4.42347	5.27102	5.00335	5.78516	4.31274	4.59004	2.66449	5.40633	4.44094	5.33762
LOC1019	1.84505	2.94714	2.56774	1.67907	3.24511	3.40348	2.96225	2.43067	2.47145	4.55883	4.28892	2.73426	2.81611	3.41704	2.34348	4.92092
LOC1019	6.66731	5.81537	5.0637	5.76238	2.71531	3.32048	3.35187	3.99573	2.13825	5.99921	4.68317	3.52665	3.40212	4.4695	3.52918	5.49475
LOC1019	6.16827	6.61097	6.75957	6.60843	6.44565	6.59384	6.75064	6.98885	6.70136	7.06652	6.4977	6.87019	6.83067	6.83992	6.73237	6.78527
LOC1019	5.16241	4.24304	4.34217	4.51148	2.72769	2.99916	4.23009	3.49524	3.37907	4.03916	3.37079	4.26674	4.16067	3.96715	3.79639	3.16713
LOC1019	4.41574	4.18531	4.29709	4.66023	4.16584	4.58019	4.64688	5.04171	5.98188	4.41097	5.38812	5.00222	4.68584	4.42968	4.92331	6.10582
LOC1019	6.49139	6.42499	4.83036	4.09184	6.43699	6.74157	6.77786	6.88023	6.53956	6.42146	6.26973	6.72429	7.12136	7.29718	6.31947	6.25003
LOC1019	3.79639	5.84555	3.69741	3.6256	4.28892	3.45096	5.29949	3.43351	3.44034	3.6977	3.05202	3.11416	3.40212	5.61679	3.71862	4.04867
LOC1019	4.09491	1.40126	1.32681	1.55195	3.61465	2.15563	4.47708	3.66599	2.58986	5.07547	0.24178	1.01454	4.49752	3.67678	1.70284	2.07548
LOC1019	6.2478	6.8663	6.79527	5.52496	6.13485	6.32848	6.29363	6.15282	6.00252	6.18713	6.21237	5.70078	6.56658	6.05846	6.04747	6.45085
LOC1019	3.06503	3.30026	2.53621	3.28542	3.29261	5.81943	3.35187	2.78286	3.60923	3.44491	2.04035	2.71947	2.62575	2.79431	2.76084	3.29988
LOC1019	3.72099	2.67513	4.87909	3.73033	3.09072	3.76182	4.81992	4.18478	4.46077	2.50603	2.80891	4.41586	0.76448	0.89896	3.44194	3.67519
LOC1019	2.63482	4.30232	3.95055	5.41414	4.55455	3.91828	5.10831	4.44194	2.5663	5.14584	2.66551	1.73861	1.89786	5.61264	5.07857	4.07967
LOC1019	2.58692	3.56819	3.44341	3.52553	3.41088	2.67969	5.69071	3.02948	3.06765	3.07203	3.82899	3.01775	5.438	3.51712	5.4377	4.84049
LOC1019	2.13523	1.67217	2.94797	2.00313	1.88842	3.24275	1.80024	2.75656	4.03549	1.92074	1.74872	1.07852	3.84364	2.44811	2.29341	2.86424
LOC1019	4.30677	5.62378	5.83775	5.78685	5.71918	5.95809	4.79031	5.30926	4.64364	6.5239	5.74268	5.78895	5.89672	5.85334	5.31252	6.2273
LOC1019	3.09851	5.25098	4.00732	3.51493	5.46569	3.79752	3.25433	4.27613	6.01713	3.85542	5.91823	5.93442	3.62729	3.05474	3.77502	3.16144
LOC1019	5.92269	6.60667	5.31649	6.47114	6.37318	6.23796	6.58002	6.87878	5.94126	6.09071	5.85558	6.49934	6.27443	5.04615	6.58996	5.50582

LOC1019	5.33339	6.14133	4.89082	4.43678	3.52527	5.56856	4.88202	3.32868	4.27526	5.36656	5.18054	4.96224	5.39073	4.13014	3.20278	4.69252
LOC1019	4.9553	6.28305	5.32297	4.0196	5.0419	5.00186	3.83857	4.76359	5.55954	3.79424	5.79724	4.77927	5.35907	4.03667	3.76841	5.49001
LOC1019	2.98506	3.00618	3.85578	2.03633	2.81309	2.93381	4.17685	2.34717	1.98342	2.5437	3.03593	4.10127	5.23563	2.31516	3.82329	3.44273
LOC1019	4.41574	3.86261	3.36406	2.31308	3.97307	2.72526	1.91146	3.37974	3.8429	4.19403	1.85273	3.00642	2.17097	4.30792	1.40126	2.71584
LOC1019	2.30837	4.85943	4.67509	2.88071	3.46884	5.15643	5.23969	5.39962	2.35886	2.72148	3.53424	2.13113	1.63986	3.01384	3.4529	4.51771
LOC1019	6.29418	5.74238	5.89711	6.235	5.75357	6.19367	5.67953	6.79295	6.60078	3.65408	6.07381	6.69068	6.75796	6.29468	6.69021	6.59645
LOC1019	5.7722	3.58335	5.24098	5.09328	3.57987	5.25726	5.0499	5.85352	5.20282	6.14368	5.24464	4.81522	5.11124	5.21946	4.49946	5.07126
LOC1019	3.31171	4.0687	4.66277	4.80207	3.27115	4.4903	4.32665	4.82616	4.53865	3.70463	5.44046	3.93299	4.55201	4.98706	4.26564	5.00115
LOC1019	2.75185	2.39163	2.3147	3.04143	2.47594	2.34348	2.98815	1.44837	1.39887	2.07832	2.64984	1.3666	3.17825	1.5436	1.85273	2.96003
LOC1019	5.21272	4.57543	3.66581	5.15758	4.28892	3.68688	3.70182	3.77845	4.84572	5.09188	3.40575	5.15207	4.10293	3.77151	3.0951	2.53538
LOC1019	2.74206	4.3863	4.00997	4.48301	3.3738	3.28265	5.64109	4.21256	4.90838	5.00871	4.03375	3.53466	3.45549	4.17154	5.86679	5.06794
LOC1019	3.47335	3.20291	4.17548	5.47965	4.91541	4.47194	3.91631	2.04007	2.58986	2.97414	4.7581	4.91796	5.61969	5.23003	3.89112	3.41778
LOC1019	6.02159	5.92215	6.13014	6.08163	5.67169	6.24968	6.02838	5.07767	5.57367	5.55973	5.61383	5.85888	6.64693	5.97254	5.89143	6.37833
LOC1019	5.70189	4.95342	5.78351	5.51152	5.15653	5.07091	5.1842	5.30292	5.46594	5.7148	4.55237	4.45895	4.9796	4.67909	4.83667	5.17906
LOC1019	2.34348	6.43844	4.42592	4.52648	4.4489	4.26501	1.80024	6.17833	3.35168	4.00874	4.09367	5.2571	4.61995	4.70657	5.27854	5.95512
LOC1019	3.0835	5.14382	4.77076	4.50197	4.10606	5.42686	3.818	3.69279	3.36695	3.02948	3.32655	4.50504	4.84193	4.9646	4.95436	5.76606
LOC1019	3.0835	3.13884	1.97795	2.58828	3.22566	3.01096	3.18384	3.0093	3.5256	3.05259	3.06624	3.11416	3.14193	3.01384	2.65173	2.88582
LOC1019	1.44194	0.47227	0.83338	1.06683	1.42806	0.41936	0.75071	1.83717	0.36087	1.0625	1.98377	0.68341	2.2085	0.22408	1.40126	1.37509
LOC1019	5.05401	4.15069	4.32665	4.92187	5.69349	5.07507	5.20807	4.99236	4.58372	6.09071	5.46456	5.48379	5.05646	5.582	5.76606	5.67081
LOC1019	4.97697	3.42761	2.66774	5.04627	2.97095	4.92674	2.63794	3.41422	3.25201	2.85867	3.03593	2.79123	5.69754	3.51712	2.65173	2.49784
LOC1019	4.04247	4.16408	4.92884	4.70807	3.88843	4.19473	5.64301	4.21937	5.14845	4.22052	3.86158	4.36401	4.369	3.79618	4.01749	4.00732
LOC1019	2.58692	3.04911	2.21086	2.40724	2.61273	2.31052	1.95222	3.29115	3.22752	1.87612	3.16885	2.48941	2.73615	1.72157	2.10058	2.45954
LOC1019	1.82793	3.22527	2.47333	1.75461	1.77016	3.21462	3.45182	1.93635	1.89786	2.21817	3.98391	2.14429	2.55526	2.7326	2.02868	1.91144
LOC1019	3.87518	5.04627	3.5252	5.50571	1.00765	3.5856	5.93642	3.41422	5.58578	2.07832	0.69487	6.03179	1.11444	4.70657	3.08134	3.10689
LOC1019	3.59987	3.03524	3.57935	4.32526	2.81309	3.45096	4.02856	4.39128	4.52011	3.47656	3.09709	1.87757	5.03426	2.93125	2.39175	5.35438
LOC1019	6.65883	6.03198	4.29709	5.9082	5.08771	4.71726	6.17611	5.32306	4.15582	5.2535	5.6694	5.90267	6.38344	6.16168	6.49447	5.53282
LOC1019	3.17857	5.74435	3.04356	5.03667	3.86774	4.39841	5.49899	3.23218	4.21488	3.44491	4.37803	4.78986	4.24814	4.28869	4.45395	3.91544
LOC1019	6.57387	7.21844	6.8874	7.154	6.87418	7.21523	6.9158	7.09122	6.70524	6.28135	6.29463	5.52122	6.43314	6.70719	5.81289	6.91014
LOC1019	3.73406	4.97582	5.07767	4.40668	4.11679	4.88484	3.86818	3.6374	5.21762	5.51424	3.30436	4.16718	4.70357	4.91054	4.88139	5.05177
LOC1019	5.45357	4.1611	3.19822	6.08394	1.78167	3.53071	2.25138	3.75898	3.44194	2.7875	1.97057	2.61419	3.76651	2.14586	3.20659	0.30404
LOC1019	5.01027	5.10428	4.81317	4.78149	4.60972	4.91623	4.8611	5.0822	4.26699	4.59162	4.58146	4.6975	5.24763	4.96673	4.4879	5.44159
LOC1019	4.50587	5.78029	5.03914	4.71865	5.66533	5.73173	4.21561	5.94733	5.09372	5.86436	5.16519	5.1725	5.70777	5.19254	4.12102	5.23546
LOC1019	3.75698	4.71747	3.23213	4.1487	5.53566	2.21366	2.73211	5.15157	4.78164	5.08644	2.6113	4.88936	4.81507	5.31833	4.68857	3.91544
LOC1019	5.26686	5.89502	5.49251	5.75592	5.68755	5.57446	5.2563	5.99145	6.08039	5.39029	4.60638	5.58101	5.7379	5.35106	4.97591	6.03191
LOC1019	5.14061	2.29438	1.91144	2.38778	2.1445	3.22527	2.58845	2.43067	2.90046	3.07203	2.30098	2.24796	3.96898	3.23061	2.29341	2.4366

LOC1019	5.02649	3.95879	4.73407	3.6256	3.36671	3.57327	4.12999	6.35819	5.70877	5.13703	5.44563	4.61987	4.16937	5.69545	5.6968	5.21946
LOC1019	4.77121	5.50968	4.22871	5.13767	4.24744	5.24358	5.70528	4.75563	4.77313	4.91332	4.75008	3.26763	5.35044	3.86642	4.95023	4.90169
LOC1019	5.43457	4.6783	6.37318	6.04001	5.45343	5.74089	5.19716	5.1344	4.3125	5.44206	3.111	3.14285	4.68584	6.19154	5.32247	5.67461
LOC1019	7.45295	7.64234	7.38798	7.81346	7.19964	7.61185	7.69452	7.69344	7.17188	7.38356	7.36932	7.14222	8.0875	7.76849	6.53737	7.43844
LOC1019	6.65883	7.11329	7.05668	6.64881	7.07509	7.35971	7.1494	7.52746	7.28373	7.17844	6.87481	6.53163	6.76392	7.4001	6.77107	7.61366
LOC1019	7.2112	7.43592	7.5095	7.58402	8.08107	7.13546	8.29514	8.15253	7.55964	6.93763	7.25023	6.78049	8.07033	7.89942	7.50536	7.8597
LOC1019	6.2804	6.71161	6.59103	6.71949	6.62425	6.15606	6.59019	6.84248	6.75957	7.01235	6.19774	6.65059	6.35326	6.51464	6.50381	6.42182
LOC1019	5.98777	6.21719	5.81314	6.35585	5.76268	5.6142	5.90764	6.2427	6.16248	3.46275	6.0376	6.19642	5.30133	6.26387	6.32858	6.51775
LOC1019	3.36587	2.74824	3.0591	5.50934	5.28342	2.95599	4.47022	2.55884	4.5431	4.63184	4.81597	5.69196	5.81769	4.01187	5.36321	4.54176
LOC1019	5.15242	4.87602	6.4899	5.53472	3.85278	5.05059	6.40514	6.46966	6.31597	5.42419	5.8151	4.82965	5.28144	5.56719	6.13229	5.4303
LOC1019	3.97	5.27758	4.62423	3.77125	5.2507	4.06264	3.93793	5.28592	3.76729	3.80685	3.74792	3.68084	4.98805	3.9712	5.30736	4.22209
LOC1019	4.6779	5.1507	5.42722	5.27776	3.55491	3.09851	4.81992	5.11563	4.35456	4.66095	4.99999	2.38821	4.82835	4.98359	4.64145	4.10052
LOC1019	6.67568	6.9116	7.16505	7.20076	6.66575	8.12568	7.68457	7.19188	6.99578	6.87082	6.86547	6.84013	7.06635	7.30859	7.14616	7.24319
LOC1019	5.75211	6.20572	6.44309	6.25347	5.77873	6.69739	6.45894	5.87887	4.99837	5.96196	6.09555	6.05673	5.97056	6.34313	5.8714	6.53972
LOC1019	3.53756	3.23142	3.37247	3.73033	3.2065	3.76182	3.40901	4.5714	3.25201	3.34275	4.08852	3.75239	4.45382	3.7466	3.61778	5.5419
LOC1019	1.60375	2.07729	2.44429	1.50761	2.47594	2.03544	2.15094	2.2672	2.73661	1.5458	2.3203	2.38821	4.26368	1.97057	2.43868	1.96263
LOC1019	2.47437	2.44316	2.42383	1.73098	2.2597	2.48692	2.15094	2.67421	2.07939	2.5437	2.8192	2.44179	2.59488	1.97057	2.63378	2.38828
LOC1019	1.79935	1.71163	1.79898	2.63639	1.73976	4.38024	2.27576	4.59647	3.2065	1.82992	1.98377	1.91466	2.2085	1.88842	1.55502	1.80953
LOC1019	1.32695	2.29438	2.46272	1.26539	1.69898	1.68859	2.70047	1.67907	1.18021	1.35594	1.36661	1.87757	2.79294	1.6809	1.74155	4.50264
LOC1019	1.87757	2.18884	1.73976	3.48474	1.97947	1.81697	1.98828	2.30474	2.97568	2.07832	2.48014	3.00642	3.66589	2.16332	2.54889	1.80953
LOC1019	5.67016	6.10444	5.80344	4.75966	5.61148	4.63716	5.58885	5.19191	5.0222	3.85542	5.26563	5.50633	5.67961	4.32699	5.00294	5.36306
LOC1019	6.3489	6.33203	6.58244	5.9905	6.15168	6.46938	4.64688	6.19397	4.91034	6.23123	6.43544	5.89719	6.38823	6.50605	5.8075	6.83691
LOC1019	3.50034	2.79266	2.77497	2.93958	2.71531	2.5608	3.65785	3.50531	4.24079	3.65408	3.71153	3.38388	3.62729	2.99448	3.4529	3.34078
LOC1019	5.11171	4.39409	5.21626	4.75966	4.29721	4.87602	4.56093	4.63743	5.22283	4.93851	4.98736	5.21609	4.51181	3.05474	4.24348	3.17553
LOC1019	6.69995	4.70756	5.65855	6.94344	6.17554	5.086	5.45881	5.52587	4.96412	6.43506	5.81383	6.48329	5.64923	5.63022	6.03179	4.90886
LOC1019	7.28879	7.2577	6.58138	6.97134	6.02941	5.77406	5.70528	6.39024	3.42477	5.63956	3.92452	5.73718	4.25636	6.42945	5.55253	5.55298
LOC1019	4.50587	4.3216	4.74575	4.55668	3.75099	4.11531	5.76368	5.07511	5.36454	6.18578	4.88165	6.15572	5.36439	5.15309	5.14236	4.98419
LOC1019	2.50129	2.89801	1.13258	2.03633	2.65839	2.81599	1.68451	3.52249	4.42376	3.60777	4.44812	1.94688	1.01457	2.44811	1.88334	1.21992
LOC1019	3.9591	6.14545	6.63615	5.52175	6.29645	6.30883	5.10831	5.84319	5.81369	6.4022	5.28638	6.42187	4.65266	6.14193	6.09786	3.75027
LOC1019	3.73406	6.09276	4.8346	4.9654	3.71929	5.62045	3.71929	4.51056	3.74437	5.92053	5.02177	5.52122	4.82036	6.16386	4.84979	5.75568
LOC1019	3.32431	1.27177	2.17949	2.38778	1.3442	3.87636	1.80024	1.31605	3.60923	2.5437	1.1038	1.2545	3.14193	4.369	1.22113	1.51008
LOC1019	5.26934	2.84393	3.67421	3.9262	4.71358	4.58796	3.29192	1.96139	3.33041	3.37812	4.92331	6.18489	4.72178	3.36587	3.53974	5.50582
LOC1019	5.39305	6.47704	5.66376	6.37868	5.82627	6.27405	4.41106	6.47034	5.74089	6.74657	6.77193	6.54707	6.57056	6.23869	6.59181	6.6491
LOC1019	2.70064	0.37401	2.07548	2.184	3.46884	3.24275	1.95222	2.10233	2.95663	0.65546	2.13586	2.73426	0.47227	0.73695	3.26899	2.4366
LOC1019	3.59987	3.03524	2.95766	2.52969	3.56794	2.5608	2.73211	2.34717	3.31034	3.74711	3.65785	2.94469	3.37673	3.0362	3.29289	5.1616

LOC1019	1.50761	4.3801	4.03231	4.18478	3.24511	4.10435	2.70047	4.17171	5.13395	5.28694	3.35206	4.15353	4.29511	2.91144	4.99054	2.57571
LOC1019	2.68367	2.34474	2.38251	2.52969	2.36593	2.21366	2.15094	2.04007	2.35886	2.07832	2.18694	1.63685	2.88174	2.31516	2.6136	2.71584
LOC1019	3.35226	2.18884	4.61283	1.63196	2.47594	4.44183	1.49083	4.28482	4.48532	2.42411	4.50609	2.63249	2.23314	5.05858	3.40607	1.54854
LOC1019	6.78671	3.73984	2.74259	4.37118	4.12453	3.63988	5.38235	4.88503	2.07939	3.62321	3.29289	2.48941	2.59488	5.244	3.08134	3.49413
LOC1019	6.50689	4.52298	6.29102	7.01939	6.01309	6.19825	5.99003	6.91137	6.08246	6.05367	6.52729	5.8676	6.54284	6.55263	6.78846	6.94281
LOC1019	4.61877	5.34684	5.69888	4.71865	5.80335	5.50829	5.88216	6.86138	6.00252	4.44999	5.06187	4.94408	5.07488	3.01384	6.493	6.35062
LOC1019	4.00401	4.12453	3.16713	5.53338	5.00222	3.25596	3.10453	4.07245	2.53538	3.68301	5.21362	5.74024	5.07725	2.95261	4.51765	3.20278
LOC1019	3.53756	4.47322	3.32481	4.54858	3.89996	2.45459	4.64688	3.90071	4.34561	3.7682	3.75879	3.38388	5.20492	1.72157	3.00483	5.01962
LOC1019	5.81705	2.23621	4.80292	5.85864	5.13175	5.75265	5.36059	5.67359	5.45694	5.36656	4.94092	4.27983	5.72346	5.55932	5.69433	4.94079
LOC1019	5.26686	5.82956	6.50683	5.33567	5.03304	6.08635	5.35566	5.48699	5.3574	6.22886	4.57021	5.40529	4.60738	6.35603	5.43322	6.31936
LOC1019	1.11909	2.23621	3.72265	4.6439	3.22566	3.49365	4.70432	5.1459	3.09248	4.66095	4.54346	2.94469	4.83558	4.00373	3.83184	4.94079
LOC1019	7.00506	6.79839	7.04312	6.7892	6.82648	6.93439	7.1821	7.37319	6.10723	7.30333	6.76553	7.18347	7.35723	6.76962	6.79971	7.19274
LOC1019	1.60375	2.8813	2.8391	3.72039	1.42806	2.78532	4.56093	2.52957	2.39727	2.88148	2.80891	3.89608	1.97096	2.70047	3.12323	1.45205
LOC1019	6.62616	5.93392	5.63327	6.089	6.43406	6.83608	5.85187	6.30523	5.86958	6.57618	5.8714	5.34266	5.69754	5.86456	6.20858	5.82766
LOC1019	4.12203	5.06996	5.69663	5.62362	4.86826	5.01962	4.47417	4.3331	4.2279	5.32692	5.31156	4.20714	5.39398	3.73667	4.64502	5.07725
LOC1019	2.96659	3.6935	3.51672	2.79365	3.53849	2.91286	3.27441	3.06557	2.79078	4.69665	4.11419	2.6814	3.26844	2.88516	3.04901	3.07505
LOC1019	4.0831	5.83119	4.2347	5.2072	3.2065	1.78116	4.92155	1.67907	4.25669	3.15532	5.28638	4.55964	4.71449	2.68036	4.49946	1.45205
LOC1019	5.93081	4.17704	5.4895	6.17486	6.31298	5.06879	4.74782	4.84732	4.76618	5.96196	5.47955	5.3793	4.80971	5.24887	5.44837	5.23003
LOC1019	3.38024	3.41586	3.79811	3.06525	3.32431	3.36385	3.31153	4.25669	5.0773	3.36001	3.65785	2.81338	3.21485	3.39861	3.20278	4.30978
LOC1019	2.89649	4.21854	4.07133	4.65451	4.02718	4.30395	4.14005	4.20991	3.59405	2.95492	3.83893	3.98346	3.34323	4.77727	4.99358	3.73803
LOC1019	5.06786	5.73868	6.56182	6.51863	4.76067	6.05262	6.83931	5.62022	5.87508	6.78049	6.28422	6.54303	4.26368	6.11483	5.73281	6.53623
LOC1019	4.05217	5.2229	5.37093	6.04278	5.53088	5.93172	6.51161	6.29126	5.91108	6.1833	6.47092	4.22754	4.19674	6.56799	4.18051	5.36713
LOC1019	10.0139	7.83571	4.37989	8.90205	5.50313	5.80329	5.10831	1.99703	6.50501	1.43866	2.30098	5.70078	4.6132	1.6809	5.24336	2.81134
LOC1019	3.48571	4.89182	5.9545	5.60876	5.49591	5.38217	5.4508	4.96224	4.84059	4.91332	5.42673	5.68216	5.56267	5.75101	5.06097	6.0005
LOC1019	7.04963	7.64894	7.03928	7.27416	7.22086	6.73533	7.61925	7.46877	7.25499	7.18606	7.22499	7.81498	7.62564	7.01098	7.47951	7.90812
LOC1019	5.42243	6.29363	5.75828	5.50934	5.51597	6.02598	6.10873	5.78534	5.42868	5.72202	5.94857	5.82023	6.41023	5.46541	6.25921	5.5362
LOC1019	4.45264	5.14689	6.08811	5.06786	4.65407	4.51187	5.47555	6.05079	5.21228	4.10188	5.89151	5.50419	4.60738	5.72434	5.04974	4.35197
LOC1019	5.27357	4.42197	1.07116	4.87023	3.03309	5.34141	5.09328	4.53792	3.97161	1.87612	1.7041	5.20089	4.84921	2.83991	5.35772	3.01871
LOC1019	5.87159	6.18979	4.83835	6.25347	5.95694	6.1194	6.16473	5.82506	5.8258	6.90589	5.9554	5.75818	4.08241	6.04817	5.69841	5.94638
LOC1019	5.68967	4.89718	4.58744	3.94629	3.86774	4.23809	6.50763	5.66058	5.89088	3.8925	5.79509	5.20089	5.26233	3.36587	6.00366	4.92092
LOC1019	2.61145	2.74824	2.70549	2.40724	2.47594	2.60961	2.06028	1.99703	2.31622	2.66614	2.30098	2.31832	2.98256	2.51368	2.29341	2.86424
LOC1019	2.23882	5.76663	5.64993	6.90952	5.81537	5.42686	5.84212	5.72077	6.23376	2.15841	3.16885	5.07091	5.70986	5.63684	6.15413	5.01197
LOC1019	6.16343	7.22567	7.0981	6.66985	6.4838	6.77644	6.80808	7.16727	6.49966	6.76108	6.6374	6.48488	7.07077	7.1641	6.5046	7.20169
LOC1019	1.92303	4.55696	3.33383	3.73033	3.87693	5.0543	3.3753	5.02351	4.48532	3.25068	3.84453	4.2645	5.3421	3.99364	4.30494	4.57163
LOC1019	1.54854	2.13825	1.19537	1.50761	1.60199	2.15563	1.24246	1.51119	1.32709	1.69907	1.7041	2.41615	1.18021	1.84505	1.52655	1.70353

LOC1019	2.63482	3.40176	5.16282	4.3989	5.05393	4.7822	2.61298	2.75656	5.27471	3.11051	2.77081	2.73426	3.65598	5.87709	2.84494	5.10984
LOC1019	2.93125	2.55772	4.21937	3.87736	3.24511	3.63988	2.39011	4.08791	3.13363	4.5207	4.07634	2.20167	1.82475	3.60186	2.23945	1.77343
LOC1019	2.93125	2.89801	2.90619	2.50291	2.47594	2.78532	2.83966	2.91144	2.86093	2.88148	2.77081	3.62346	2.66449	3.10839	2.82464	3.03549
LOC1019	5.16345	4.29638	3.85578	2.00313	1.88842	5.20294	3.64382	2.04007	4.72178	5.08644	5.79844	4.75713	4.8922	3.6144	3.77502	3.98264
LOC1019	2.55807	4.42197	2.17949	3.57686	2.02496	2.69944	2.42155	0.64273	2.28837	1.00522	3.86158	1.01454	0.248	2.13594	2.16493	2.61375
LOC1019	5.86108	5.79966	6.54205	5.36713	6.56076	5.0543	4.96563	6.50736	6.43335	5.80309	6.11109	6.20708	6.6827	6.42945	6.39379	6.59645
LOC1019	5.99957	6.42499	6.9788	5.87195	5.95379	6.14618	5.72875	6.42187	6.38787	6.64145	5.69186	6.22855	6.45075	6.17688	6.10475	7.06996
LOC1019	6.2804	6.34934	6.5209	6.7168	6.17775	6.72968	6.36379	7.04386	6.72654	6.65137	6.40125	6.34758	6.47236	6.92953	6.08169	6.75635
LOC1019	5.54724	2.61396	3.0093	3.04143	2.83544	3.20546	3.12496	3.8281	2.73661	4.06894	2.66551	3.38388	2.62575	2.72254	3.18863	2.79166
LOC1019	5.62059	6.2147	6.72063	5.83329	4.31963	4.59455	6.12515	6.59245	5.63875	6.20038	4.21854	6.55209	5.97368	5.03633	5.19592	6.43737
LOC1019	4.47048	5.38495	5.06834	5.07849	2.29738	5.2498	6.08549	6.20321	5.76565	5.76333	5.63045	5.77111	5.58559	4.2645	5.79844	3.99805
LOC1019	4.39081	5.72298	5.49842	5.9677	4.34233	5.72931	4.90633	6.10464	5.77903	5.43853	5.61655	4.90933	5.54416	6.2729	5.55253	4.83068
LOC1019	5.58309	6.37184	5.85894	5.9677	6.58617	6.39462	6.19774	7.11335	4.57635	6.31502	6.06012	5.89719	6.03398	6.33213	6.23157	6.24835
LOC1019	4.89951	4.38415	4.51085	5.302	4.92674	5.02328	5.2173	1.31605	5.14845	4.73279	5.06631	4.59004	5.75136	4.82974	2.67357	4.7575
LOC1019	3.72099	4.35031	4.87525	4.12191	4.65407	4.30957	4.35645	4.87281	4.5431	5.46729	5.44215	4.4643	5.59525	5.50359	4.44362	4.36368
LOC1019	4.31556	4.51771	4.15015	3.53793	4.24744	5.20294	5.71182	5.23337	5.21228	5.33406	5.70745	6.04035	6.13739	4.72987	5.24618	4.73448
LOC1019	5.66575	5.24458	6.16667	5.85135	4.94529	5.55264	5.73173	6.091	5.0222	5.38177	5.16217	5.54274	4.9034	5.63022	5.95732	5.66473
LOC1019	4.92663	4.83898	4.08953	5.26197	3.95816	2.91286	5.57038	5.43602	4.92312	3.25068	1.79233	5.65417	4.92092	5.19549	5.64923	5.68746
LOC1019	3.87518	5.40574	5.92659	3.08274	4.17502	3.46064	5.58885	4.34817	4.55066	5.87159	3.5826	3.53998	5.07725	3.49255	3.56833	5.84778
LOC1019	5.95067	6.52383	4.90711	5.8181	4.59728	5.72931	4.80326	5.22858	4.55668	6.48629	4.46398	5.88851	6.39024	5.84528	5.36869	4.63489
LOC1019	6.47173	7.17923	6.78694	6.85595	6.43003	7.03789	6.35015	6.81608	6.79769	6.77043	6.52222	6.57303	6.77644	6.75107	6.55481	6.3411
LOC1019	5.82023	6.13585	6.64108	6.1427	6.48805	6.35595	6.93899	3.17146	6.47688	4.97382	5.79724	5.76354	6.07229	6.23371	6.08974	6.22158
LOC1019	5.72572	4.94341	6.04851	6.20071	5.36859	6.14076	6.40841	5.63605	5.82721	5.78886	5.58748	5.66954	5.34141	5.76416	5.66394	5.95982
LOC1019	4.78107	6.15674	5.19903	6.07592	5.63653	4.54584	5.43281	5.57879	5.74089	5.98083	5.52538	5.96795	5.99151	5.78941	5.8839	6.42182
LOC1019	7.86385	6.88379	6.55112	7.90118	5.47252	5.17449	5.84555	6.37891	6.1544	4.72736	6.49857	6.83019	7.45587	5.54389	5.04555	5.83818
LOC1019	4.77121	4.43372	4.83036	4.9083	4.31963	4.97599	5.37133	4.33496	4.35456	5.18249	4.60207	5.59616	5.32616	5.19549	5.08582	5.26468
LOC1019	2.89649	5.39586	4.44205	3.1994	3.60374	5.04234	3.92606	3.34245	4.07916	2.23712	2.73426	3.12959	3.05227	3.29459	3.38625	3.01871
LOC1019	3.50034	3.73984	2.74259	3.99755	4.29721	3.30682	5.36059	4.87281	3.48123	3.57327	3.24563	3.7042	4.6779	3.39861	3.6535	4.04867
LOC1019	6.89843	6.81688	6.13885	6.04278	7.04546	6.80168	7.49443	7.34333	6.34538	6.26989	6.69627	7.21241	8.02241	7.16136	7.15273	6.44764
LOC1019	5.15926	4.46777	3.83335	4.9312	3.6922	3.57327	4.01749	3.98218	5.05288	3.57327	5.46456	4.38384	3.77256	3.91524	3.79392	3.54848
LOC1019	5.73664	5.2325	5.03564	5.75592	5.60769	5.93894	5.89174	5.77868	5.7325	5.15403	6.09857	6.14411	6.5046	6.16781	5.76009	6.1129
LOC1019	1.54854	2.79266	3.5252	1.85049	2.68714	3.08198	3.42552	2.83945	2.76258	1.87612	2.77081	1.31925	2.92938	2.88516	1.74155	2.65953
LOC1019	6.31876	6.26802	3.9258	5.29627	5.92913	5.6142	6.01651	6.29451	5.32765	5.45776	5.26083	5.62801	5.87873	5.45508	3.16274	5.93708
LOC1019	4.14888	3.71031	4.17984	3.89582	3.44117	4.54584	4.47022	4.26669	4.96412	5.61936	3.86158	3.96659	4.36086	2.77311	4.37551	4.52926
LOC1019	5.06786	4.97234	5.78447	5.26572	5.22539	4.19473	6.37128	5.97638	5.87249	5.37429	4.81597	4.92917	5.17427	5.72006	5.86281	5.88721

LOC1019	3.11441	2.34474	2.35871	1.55195	2.44843	3.09851	3.47278	3.50531	3.17124	3.37812	2.66551	1.69916	3.80685	2.28524	4.3828	3.38208
LOC1019	1.19711	1.84587	1.23236	2.0998	5.09517	1.36658	1.122	2.93245	1.63986	1.22431	1.03174	1.41969	3.26844	1.64103	1.52655	2.69842
LOC1019	3.41869	4.77367	3.66935	4.0351	3.37673	2.75807	5.49147	3.86074	3.62918	3.4974	3.78397	4.08223	3.01289	3.64011	4.38474	4.2746
LOC1019	7.04386	6.72362	6.39586	7.0724	6.4869	6.67683	6.37377	7.04836	6.17896	6.30132	6.67721	6.68752	7.41008	6.56066	7.26483	7.10488
LOC1019	3.42813	3.24563	3.69741	3.96234	2.68714	4.7822	3.3753	3.3596	4.72987	4.04734	3.83893	3.07028	4.369	5.06976	2.07498	3.48415
LOC1019	3.07535	4.05318	3.04983	3.6843	4.16003	4.10165	4.68191	4.83215	4.52313	3.67633	3.42199	3.64066	3.62383	5.11563	3.52527	4.54689
LOC1019	4.4643	5.41719	5.91869	5.04627	4.54756	5.51524	5.53505	5.22018	5.01527	5.13192	5.45177	5.11046	4.4107	5.18903	4.81291	6.04829
LOC1019	2.55807	3.40176	2.90619	2.90159	2.76484	3.20546	4.08418	3.6374	2.88086	2.98998	3.58961	3.73633	3.32016	3.10839	3.0951	3.17553
LOC1019	5.76629	5.77688	6.12451	5.79452	5.77051	5.72006	5.33349	6.50736	6.19114	6.56664	6.2505	6.68534	5.66827	6.42295	6.22252	6.00448
LOC1019	1.50761	1.74177	4.92602	3.06525	4.37803	2.60961	2.06028	3.81494	3.09248	5.07547	4.59792	3.79654	3.80685	3.10839	1.97136	1.32709
LOC1019	4.24384	2.82798	3.48538	5.563	5.3139	4.20319	3.6755	3.80483	3.69577	6.1908	3.6751	4.81149	4.12996	2.83991	5.34851	4.50264
LOC1019	3.20944	4.59455	4.43529	6.09947	4.28892	4.20319	4.47708	4.16157	2.22165	3.25068	3.72069	1.3666	1.4697	2.16332	4.04773	4.46917
LOC1019	6.02057	4.7984	5.12092	6.08039	6.20547	5.29571	2.70047	5.21149	5.33811	5.23533	4.09367	5.10078	6.53353	4.99322	5.33678	5.93916
LOC1019	5.80692	4.98009	3.74811	5.24358	3.83175	4.86073	6.60527	5.81033	4.41574	4.90621	4.34817	5.1305	5.42243	4.35255	5.31905	6.13354
LOC1019	5.88704	5.02586	5.6146	4.05472	5.49338	5.34499	4.46025	5.64861	4.63412	5.40509	5.24464	5.64993	4.95919	5.31211	5.35492	5.49859
LOC1019	5.06786	4.59974	5.83943	5.75909	5.62483	4.72201	5.27954	5.27102	4.25669	5.60707	5.0929	5.13806	2.42653	5.76562	4.7519	4.15607
LOC1019	5.45924	4.08875	4.44205	3.33739	2.71531	3.37812	3.74769	3.97032	4.80597	3.26858	3.96629	3.96659	4.13938	3.16811	3.89749	3.29988
LOC1019	1.32695	2.46272	1.23236	2.1445	2.1445	1.36658	2.45415	1.04435	1.45473	2.23712	2.91487	0.90097	1.35312	2.25724	2.1886	2.15094
LOC1019	5.59803	6.58294	4.81549	7.29311	5.86129	6.54728	6.31242	4.07245	5.05288	4.24348	6.78707	7.53627	7.48851	7.44942	3.55805	6.35534
LOC1019	3.27115	3.77354	4.35543	3.36001	3.09945	3.16088	4.22464	3.64825	3.47163	3.60186	2.87745	3.99122	3.94907	3.82408	1.68921	2.79904
LOC1019	3.69757	3.48036	3.08198	2.89231	2.27367	3.94359	2.77283	3.95789	2.38321	3.64596	3.27101	3.49866	2.32838	4.27004	1.87477	4.49077
LOC1019	6.19499	6.5801	7.01469	6.7628	6.33199	6.81668	6.87531	6.95912	6.96626	6.87697	5.99244	6.9225	7.00819	6.98662	6.62792	6.85234
LOC1019	5.5803	5.9074	5.73303	5.55652	5.18876	5.38506	5.61119	5.9748	4.95856	6.29905	5.79273	5.85971	5.80567	5.13618	5.79032	5.86926
LOC1019	5.49464	5.06203	5.57585	4.80453	4.77676	5.98304	5.81025	3.25357	5.81369	3.80685	5.54563	4.81149	3.58948	4.76631	4.66033	4.87671
LOC1019	4.20074	4.41154	2.74259	3.76038	2.91487	3.4746	4.44493	3.66599	2.76258	3.39891	3.68444	2.73426	3.40212	3.87671	2.82464	3.53602
LOC1019	6.30661	6.12371	6.58754	6.28722	5.81113	6.27405	6.48861	6.05079	5.79184	6.47015	5.99873	5.96658	5.45118	5.22492	6.35326	4.15607
LOC1019	4.65553	1.88256	1.44831	3.17801	2.21727	1.95254	0.61735	1.31605	1.87545	3.13394	1.20713	1.63685	2.23314	4.28324	1.44837	3.10689
LOC1019	6.00192	5.94499	4.43705	6.93089	6.59293	6.37347	6.70583	6.62398	6.20362	5.69071	5.45694	5.86679	6.51419	6.54889	5.88955	6.82297
LOC1019	5.84764	5.26872	5.22874	5.10366	5.91533	5.46747	6.20463	5.37804	4.7523	1.43866	4.66481	4.69839	6.72676	6.81379	5.45936	6.69189
LOC1019	7.66255	7.35527	6.52222	7.2857	6.71513	6.46039	6.03144	7.19454	6.51077	7.46409	5.41671	3.82629	7.10829	6.41451	6.37303	7.0893
LOC1019	4.41311	4.47102	4.23277	4.1714	3.96263	4.73386	5.64746	4.9038	4.72447	6.06808	4.3717	4.7723	4.68488	5.69964	4.14797	4.75104
LOC1019	5.53595	6.8663	6.07859	6.90821	6.45198	6.34737	6.76807	7.28879	6.01437	6.89597	6.79734	6.38464	7.53761	6.55559	6.48524	6.33645
LOC1019	5.74926	5.68058	5.2998	4.70214	4.25669	5.37003	4.56843	2.52957	2.88086	4.56572	3.35206	3.49365	2.83935	4.78265	2.65173	4.81177
LOC1019	3.59987	5.22858	5.15361	5.8045	4.37803	3.82218	3.31153	3.0481	3.81646	3.60777	4.72831	3.57258	3.9262	4.00373	3.60386	3.5127
LOC1019	1.54854	1.49036	1.3689	1.444	2.76484	1.42001	1.73976	2.731	2.25875	1.5458	1.54854	1.73861	1.01457	1.64103	2.11842	2.4366

LOC1019	2.21029	1.8084	4.28615	2.1445	2.29738	1.73976	3.57168	1.51119	2.47145	1.74155	2.86424	3.56237	1.22969	1.64103	1.70284	3.85415
LOC1019	3.42813	3.75879	3.31271	5.86647	3.38334	3.33634	6.84616	7.00477	2.70734	3.39891	7.11182	5.46025	6.55911	7.21428	5.8075	7.92094
LOC1019	6.34351	4.7289	5.30746	6.20003	5.57527	4.81617	3.74769	4.72163	5.61701	2.69205	5.3421	3.46371	5.21576	6.32063	5.7354	5.96219
LOC1019	4.42363	4.00768	5.98061	5.72983	4.91541	5.18553	3.29192	5.30554	5.23193	4.16253	5.66548	6.493	3.23246	5.11666	5.71218	5.96646
LOC1019	3.00675	1.40126	1.97795	2.45536	1.93871	1.36658	2.27576	3.06557	2.43603	2.38782	2.3203	1.63685	2.49591	1.78331	2.45708	2.69842
LOC1019	5.53595	4.73879	5.17844	4.57486	4.56691	5.29139	3.3753	5.28972	5.12092	5.45776	5.29298	5.34266	4.92663	5.30815	5.25562	5.37729
LOC1019	2.35871	1.20546	1.04435	2.13152	2.92533	2.31976	3.09229	0.41936	1.36865	1.8084	2.02388	1.46442	1.26539	1.51373	1.72625	0.9979
LOC1019	3.35226	5.03176	5.13395	4.98755	4.81051	5.25726	5.67516	5.59425	3.65431	5.36023	4.42232	5.00222	5.69421	5.28258	5.29437	5.08064
LOC1019	6.75738	6.5054	6.0235	6.81741	5.8529	7.10928	6.41398	6.85607	6.64563	6.99057	6.19879	6.9262	6.77795	6.90375	6.90878	6.88379
LOC1019	3.87518	4.29087	5.23257	5.42787	3.52527	2.63321	5.78423	4.10002	5.76238	6.04806	4.71136	4.53042	5.25392	3.79618	4.11491	3.76737
LOC1019	3.09851	5.41101	3.07458	2.73925	5.75357	5.75891	5.71572	6.12266	5.19212	3.172	6.13477	6.04035	6.68978	3.8872	5.28471	6.26199
LOC1019	6.08121	6.43116	5.73695	5.96025	5.77051	6.1194	6.33327	6.42442	6.37624	6.77235	5.6503	6.04035	6.4281	6.88935	6.6791	6.44906
LOC1019	4.88663	5.35839	5.31323	3.6357	4.84616	5.26854	5.0047	4.58008	4.52011	5.85517	4.61798	5.339	3.44604	5.80706	4.80793	4.4838
LOC1019	3.04535	3.01952	2.50291	2.75974	2.94105	3.08198	3.89026	3.39861	1.81152	2.85867	2.48014	1.84666	4.15694	3.18151	2.3168	1.77343
LOC1019	4.11079	4.70756	6.22844	5.97448	5.7441	6.26222	5.70907	5.26563	6.57373	6.32955	5.18054	5.93442	4.0405	5.60866	5.96315	4.1399
LOC1019	6.51464	7.49699	6.23653	6.93776	6.57468	6.63624	6.68737	6.5042	6.52817	6.67754	6.16413	7.19897	7.22067	6.97577	7.15633	7.08439
LOC1019	4.12999	2.55772	2.61382	1.73098	2.29738	1.19537	2.1009	3.21508	2.31622	1.0625	1.41342	1.84666	1.29724	5.85334	2.36623	2.4155
LOC1019	2.63482	2.65522	2.23187	3.52553	2.58828	2.63321	1.98828	2.88789	2.50218	2.83032	1.82109	2.86273	2.68899	2.05268	3.06557	2.76844
LOC1019	4.50587	5.00579	5.27509	5.26197	5.19435	2.51251	3.76501	5.3451	5.08232	5.34336	4.8793	4.51148	3.0877	5.44628	5.02595	5.84122
LOC1019	5.72456	3.94952	5.86382	5.80097	5.46569	6.18973	5.80316	6.85848	6.30604	6.2628	5.23928	6.6686	7.08016	6.54702	6.07014	6.2767
LOC1019	2.65839	1.9808	2.14348	1.96731	1.64332	3.54848	1.80024	4.11111	2.67969	2.12186	2.04035	2.07548	1.93701	2.83991	2.56931	2.4155
LOC1019	2.21029	3.59749	2.48448	2.45536	2.2597	2.27957	2.63794	2.23712	3.36695	2.31329	2.27492	2.10229	2.62575	2.57571	1.92074	2.28681
LOC1019	7.23753	6.40851	6.52354	7.15992	6.96375	6.83608	7.45408	6.22039	6.57373	6.95273	6.77107	6.98832	7.9229	7.44942	7.85305	7.25701
LOC1019	4.44608	3.41586	3.74811	4.75966	4.31232	3.15165	3.86818	4.25669	3.33041	3.68301	3.43836	0.46592	3.53101	2.37224	4.6561	3.52431
LOC1019	1.96392	2.84393	2.3147	2.22193	2.42207	2.31052	2.20014	2.37778	2.07939	2.31329	2.07483	2.2743	2.62575	2.72254	2.36623	2.94176
LOC1019	6.91292	7.56096	7.36722	7.54563	6.75189	6.78681	6.50632	6.95167	7.21213	6.73883	7.5475	8.19276	7.49883	6.55112	7.10829	7.27022
LOC1019	2.36099	0.91238	1.51373	1.87545	1.60199	2.6917	2.97568	2.97019	1.73746	1.67664	2.02496	1.90277	1.44831	1.81503	0.97208	1.87883
LOC1019	2.81334	2.07729	2.52296	2.25844	2.91487	2.76484	3.16512	2.95859	2.73661	3.00855	2.6113	2.53152	2.49591	2.57571	2.26702	3.17553
LOC1019	5.36009	3.6935	5.30419	5.59032	5.14439	5.7804	4.8582	4.97563	3.94629	5.42606	2.97056	2.91196	5.5537	5.21946	5.30979	4.16516
LOC1019	1.79935	1.91586	2.46272	2.0998	2.33881	1.63688	0.61735	0.82494	1.00765	1.5458	0.99002	1.19537	2.96494	1.21564	2.34348	0.86912
LOC1019	5.62059	5.62589	5.04788	5.15376	4.84049	5.01785	5.88924	5.66058	5.6132	6.08344	5.82554	6.2574	5.94021	5.41787	5.75452	5.81537
LOC1019	0.62135	2.97605	4.44205	2.34348	2.0729	3.03288	0.93298	4.79259	1.81152	1.87612	3.02585	3.78165	4.08241	1.02124	1.00765	1.21992
LOC1019	5.22275	5.72006	5.75475	5.91346	5.7441	5.68258	6.25794	6.02244	5.33269	5.73126	5.47559	5.87483	6.26091	5.86456	6.02949	6.5943
LOC1019	2.40819	1.74177	1.26539	2.28551	2.29738	1.4697	1.91146	2.17246	2.18568	1.63837	2.36593	2.01179	2.10686	2.54935	1.85273	2.57571
LOC1019	2.65839	2.94714	2.66774	2.58828	3.68084	3.35168	3.0573	2.30474	2.81157	2.98998	3.23213	1.94688	3.53101	3.19708	2.07498	2.88582

LOC1019	6.3245	5.82453	5.73502	5.62501	5.80959	5.71355	6.28657	6.25598	5.55208	6.1908	5.69803	5.63875	5.93424	6.00568	6.14947	4.91623
LOC1019	5.85355	3.9717	6.11327	6.66198	7.22338	3.601	7.38433	7.68379	4.17624	3.6977	3.52473	3.77334	6.67407	7.78949	6.3778	4.14722
LOC1019	1.70087	1.54402	1.76827	1.20944	0.6733	1.53719	1.32308	2.731	1.00765	0.18982	1.32308	0.12919	1.35312	2.41572	1.31925	0.69824
LOC1019	7.1175	7.96148	7.87675	7.8562	7.88258	8.42505	7.37019	7.77785	8.19961	7.09448	7.3118	7.5305	7.11335	7.53031	7.97957	6.91129
LOC1019	4.27128	6.16548	4.92384	5.05799	5.31323	5.22886	4.75769	5.38078	4.92787	5.39264	4.83965	5.0084	5.96837	5.46207	5.15683	5.30024
LOC1019	5.94472	5.92522	5.88826	6.24092	5.57129	6.32509	5.54156	5.76967	5.88585	5.82	5.76919	6.08964	6.52472	6.03515	5.96497	6.0207
LOC1019	6.3489	5.63823	5.58936	5.62501	6.21853	5.70221	5.87081	4.9083	6.16438	5.71403	5.3948	5.41625	6.27443	7.05445	6.26672	5.91451
LOC1019	5.85581	6.13367	5.34576	4.91782	4.46197	4.53909	5.58083	6.80876	3.99376	5.71898	6.14853	6.54916	5.62298	4.51021	6.38477	6.42316
LOC1019	4.57039	4.83898	4.99891	4.45523	3.46884	4.3562	5.30403	5.15157	5.08232	5.24505	5.27788	5.50419	3.61424	4.25308	5.45936	5.46398
LOC1019	5.65625	5.68058	5.97627	5.81025	4.9083	5.52799	5.84791	5.38422	3.81646	4.10188	2.63321	4.15353	4.07063	6.28459	5.96182	6.35534
LOC1019	7.12889	7.13317	5.85894	5.41719	8.17086	3.25596	5.99003	4.71588	6.35428	5.79464	3.85459	5.58627	9.42873	5.67943	6.9622	7.94881
LOC1019	5.31338	6.50729	5.49545	5.92025	3.41088	5.37312	3.64382	6.07547	3.59405	4.95044	3.69464	5.65233	4.69241	5.74649	5.22658	3.67519
LOC1019	5.92064	5.87662	6.6594	6.12383	5.7441	6.489	5.48981	6.04567	6.37624	5.6242	5.55964	6.45583	5.87302	6.45819	5.03455	5.6819
LOC1019	2.37329	2.41683	3.27793	2.50291	2.36593	2.15563	2.90726	2.95859	2.13825	3.26858	3.3963	3.29115	3.0877	3.34999	2.11842	3.04866
LOC1019	6.96263	4.97234	4.57507	5.61646	5.11124	5.31236	4.21561	5.18273	4.70432	5.76009	5.92694	7.03941	6.20065	4.82245	4.78568	5.79273
LOC1019	4.66437	4.75618	4.22676	3.58506	4.62043	4.50197	4.57197	5.2924	4.63704	4.68029	3.41197	4.53865	5.03555	3.92989	5.45446	5.06736
LOC1019	4.39081	5.54926	3.15379	2.58828	3.98376	4.0873	1.91146	5.17376	5.20282	2.69205	4.5939	5.30024	4.74517	3.94866	2.84494	4.07003
LOC1019	6.34155	6.53507	5.77027	6.73353	5.80335	6.06363	8.00348	6.30382	4.94929	6.01673	6.54142	7.36263	6.9368	8.65073	5.92232	6.85958
LOC1019	4.48312	1.8084	2.35871	2.81334	3.27783	4.97295	2.5047	2.98628	2.43603	3.47656	3.68444	3.47261	4.76655	2.37224	4.17392	3.45478
LOC1019	5.7287	4.62359	5.64095	6.08039	5.68373	5.3531	4.69773	6.25369	5.30524	4.97034	5.41954	5.74275	5.79273	6.02272	5.75191	5.14155
LOC1019	2.04089	1.58173	2.33881	2.184	2.47594	1.68859	1.98828	2.81438	1.76451	2.50603	3.38676	1.122	2.46016	1.92414	2.16493	2.28681
LOC1019	6.35565	5.2229	3.46771	6.79839	5.68755	6.12936	5.70189	5.05573	6.16838	3.62321	5.40426	6.77204	3.51845	5.57842	6.6126	6.35218
LOC1019	4.28431	6.97241	5.80642	6.77034	7.32161	6.45345	6.71311	7.88677	5.96074	3.93408	5.43545	6.86641	2.04398	6.47903	7.59822	7.13607
LOC1019	5.01394	3.65681	1.62051	4.81051	4.13167	1.95254	3.85658	3.31083	4.24079	2.80132	3.82034	4.2698	5.27234	3.64454	3.13607	4.63489
LOC1019	2.53024	2.99228	2.74259	1.63196	1.88842	2.78532	1.18021	1.61881	2.43603	2.5437	2.77081	3.01775	1.18021	3.27909	3.23099	3.0606
LOC1019	2.75185	2.81246	2.77497	3.13915	5.50313	2.72526	5.23969	5.38422	2.64558	2.83032	2.13586	1.97567	2.75699	6.32734	3.21508	2.31622
LOC1019	5.76939	5.99803	6.06384	6.23022	6.25369	6.20572	6.4978	6.31611	5.75308	5.76333	5.32102	5.87762	5.77286	5.74649	4.89817	6.13485
LOC1019	3.02599	3.52573	4.56226	4.88004	6.87418	4.87977	4.62693	6.43173	7.11639	2.2766	7.19853	5.23859	6.68978	3.64454	6.77772	5.70455
LOC1019	2.23882	3.96497	3.7147	2.67969	3.85505	3.42836	6.33327	5.73575	4.24836	5.42929	5.0759	3.60204	6.14652	5.67663	5.04161	5.31683
LOC1019	1.26457	2.21392	3.37247	1.73098	1.3442	1.85868	1.32308	2.13755	1.63986	2.19868	1.44615	1.80953	4.28649	2.95261	1.88334	2.38828
LOC1019	5.01394	4.87671	5.67169	5.98578	5.47252	5.26854	6.03144	5.63251	5.8292	5.64253	4.92944	5.81194	4.48458	6.27509	4.82932	5.35438
LOC1019	5.38177	2.69344	2.27099	4.45523	0.47862	1.95254	4.36468	0.41936	3.69577	3.36001	3.96082	0.96901	4.66581	2.72254	3.80377	5.16989
LOC1019	4.23422	3.96497	4.39825	4.18478	4.26628	5.25333	4.19082	5.57186	4.2251	3.63896	5.77015	4.94936	4.42745	4.25308	4.36165	4.10606
LOC1019	5.19994	5.45365	4.8059	3.99755	4.95776	4.24599	4.85299	2.64349	4.09292	3.92077	3.33935	4.81149	3.16183	4.16905	5.45637	5.42665
LOC1019	6.3681	5.83119	6.39207	5.992	5.49029	5.75265	5.94351	6.32223	6.46615	5.86096	5.80702	6.40749	6.05663	5.77414	5.67434	6.45595

LOC1019	6.02901	6.26996	5.42722	6.40363	6.04946	5.88087	4.47022	5.81525	5.82261	4.09007	5.98336	6.45075	5.87873	5.45068	4.10265	4.38335
LOC1019	4.42363	4.64949	4.37426	3.41062	3.07162	3.22527	4.6921	4.2959	4.19706	5.38528	3.93173	3.82629	5.10681	2.68036	3.98218	3.6935
LOC1019	5.93782	6.67477	6.55564	6.60843	6.39969	5.8754	6.9801	6.32441	6.77908	7.03405	6.15329	6.34505	6.51824	6.53272	6.62636	6.14115
LOC1019	4.36572	3.01952	3.77106	4.85873	3.81865	3.25596	5.0047	4.07245	2.90046	3.44491	3.03593	2.8813	3.60262	4.47605	4.19913	3.76737
LOC1019	6.18875	7.18879	6.73129	6.73688	7.08032	7.09373	7.0936	7.41008	6.49105	7.06405	6.42298	6.43709	7.46379	7.27221	7.1885	7.82119
LOC1019	6.19664	5.11644	6.83419	6.54028	5.3979	6.65808	6.20894	5.75589	6.54802	5.89084	6.18254	5.22251	6.51642	5.9868	5.99744	4.44959
LOC1019	5.92269	5.17869	5.70605	1.96731	4.29721	3.49365	4.34799	4.79259	4.96412	5.61936	4.22933	3.99715	3.50584	4.14195	4.53449	4.28288
LOC1019	4.71106	4.85943	3.88236	4.70214	5.51128	4.81041	6.21417	5.76347	5.07244	5.35699	3.49378	6.23393	5.44143	6.03781	5.52397	6.15746
LOC1019	3.22144	2.53824	3.70804	2.98748	3.24511	3.01096	3.71929	3.31083	3.40648	2.31329	3.69464	3.19844	3.16183	3.12884	2.82464	3.6454
LOC1019	6.68437	4.17704	5.77656	3.8462	3.75099	5.55264	4.01749	4.67009	3.90229	4.62434	4.04541	5.71623	4.57269	4.5359	3.84644	4.389
LOC1019	2.77283	3.33539	2.52296	2.69863	1.93871	2.60961	1.73976	3.3596	3.00175	4.89182	2.64984	2.55562	5.09372	2.09344	3.87472	2.94176
LOC1019	6.08285	5.13629	6.0235	6.5847	6.32622	6.43048	4.73125	6.15898	6.13111	5.43853	6.42656	6.35309	6.55112	5.45508	6.1524	4.44222
LOC1019	2.44059	3.31135	2.25072	1.96731	1.54197	3.28947	2.15094	2.21132	1.81152	4.45539	2.18694	5.19446	2.34547	3.19708	2.881	5.13183
LOC1019	5.93982	5.40341	5.36713	5.70272	4.27362	5.67691	4.65674	5.83208	5.66243	5.59977	5.77642	5.81694	5.91158	5.21946	5.97678	5.61508
LOC1019	5.61659	6.42916	6.69517	5.92025	6.46341	6.0029	5.85864	6.56965	5.85541	5.20755	6.17676	6.27682	6.02794	6.57312	6.18661	5.88721
LOC1019	4.91646	4.42197	4.99891	3.94629	4.24079	5.41634	4.64035	5.04974	4.6793	3.63896	3.80883	5.44722	5.62541	4.935	5.32594	4.99562
LOC1019	2.63482	2.36797	3.07458	2.65796	3.09072	3.11933	3.08298	3.91364	2.13825	3.26858	2.27492	3.3733	3.65598	2.99448	2.34348	2.04035
LOC1019	5.17869	4.32699	3.85578	4.84774	5.3794	5.29571	3.44209	3.08616	3.06765	3.3263	4.98736	2.55562	4.02061	6.06328	4.90711	3.62113
LOC1019	2.16905	2.39163	2.96792	2.36312	2.55772	2.48692	2.20014	2.43067	2.35886	2.63576	2.6113	2.59016	2.46016	2.37224	2.26702	2.22886
LOC1019	6.89843	5.95993	6.22214	6.20531	5.40426	6.16676	5.90076	5.57186	6.09438	5.43291	6.1126	6.51043	6.35743	5.16038	5.92232	5.91054
LOC1019	6.81089	6.49308	6.3643	7.18163	6.32792	6.62257	6.6267	6.77343	6.68689	7.07295	5.55582	6.09492	6.28592	6.54494	5.87687	6.43737
LOC1019	4.6779	5.58299	6.21634	6.10744	5.07679	6.1194	4.03876	5.90165	5.3524	6.09939	5.34835	5.68216	5.91158	6.00821	4.25827	6.1716
LOC1019	2.78405	3.96867	4.98755	3.84282	3.6778	4.9001	2.80584	2.62987	3.23403	3.06175	3.55406	3.33011	2.06965	4.12287	3.55971	3.8513
LOC1019	2.34348	1.91586	2.77497	2.73925	2.33881	2.95599	4.31322	1.91261	2.81157	3.11051	3.05202	2.53152	1.93701	3.14828	2.07498	2.16972
LOC1019	4.45919	5.64428	6.17878	4.58019	5.48441	4.39841	4.44493	4.73705	5.6426	5.27487	4.43233	5.77769	5.93424	5.31211	5.30736	5.75818
LOC1019	6.23074	5.96774	5.78732	6.67595	6.32063	6.14149	6.5166	6.77245	5.84754	5.41161	5.38177	6.48592	6.73828	5.55308	6.19148	5.31564
LOC1019	2.68367	3.16637	4.92155	5.77035	2.68714	4.72913	4.61995	2.78286	3.27349	4.79376	3.30436	3.10037	5.54686	4.81617	3.64338	3.27231
LOC1019	2.44059	2.39163	3.1811	3.42644	1.54197	3.22527	4.32992	1.51119	2.88086	4.11175	1.44615	2.84585	4.31215	4.49472	1.44837	2.9809
LOC1019	4.55918	4.4329	4.78093	4.29189	4.31556	5.24175	4.79981	5.26934	4.37397	5.08426	5.07488	4.6945	5.15336	4.73125	4.65737	4.99307
LOC1019	2.00108	4.89182	3.08807	3.44117	4.28189	5.45391	2.70047	3.17146	4.19706	4.96132	5.59972	4.2645	5.60245	4.54858	4.87602	5.04804
LOC1019	4.05217	4.57543	4.12524	4.31296	4.03498	3.08198	3.39293	4.22833	4.24836	5.27487	5.65359	3.3733	4.05757	3.52815	4.90711	5.02623
LOC1019	4.46303	3.88013	3.82197	3.7469	3.88236	3.74466	4.07683	4.12524	4.16905	3.97356	4.19473	4.37497	3.94849	3.94681	3.79811	3.72386
LOC1019	0.62135	3.9717	1.26539	-0.7797	1.48455	0.49837	0.18982	1.3689	1.18021	1.28097	1.1038	1.54854	1.82475	2.41572	-0.2642	0.22408
LOC1019	3.7606	4.33712	4.53215	4.17056	4.35575	3.39851	3.134	2.97414	3.39777	3.50285	2.67587	2.53901	2.33387	3.08465	2.50365	3.15604
LOC1019	5.82524	6.3353	5.10852	3.42644	5.13175	3.83233	2.9333	4.76359	3.5256	5.66263	5.85235	5.68015	5.84195	4.45641	3.58891	5.09761

LOC1019	2.61145	4.18531	2.63513	3.5907	3.46884	3.601	5.56307	3.79039	4.37613	3.00855	4.44278	3.87137	3.68721	3.6144	4.57172	2.82844
LOC1019	1.92303	2.51658	1.3689	3.8167	2.02496	1.53719	2.1009	1.67907	2.07939	2.88148	1.44615	2.15748	3.99596	1.72157	1.88334	1.73976
LOC1019	6.91919	5.28996	6.74102	6.42442	6.43003	6.55076	6.68235	6.60003	6.59181	3.78199	5.9131	6.29102	6.21022	4.79512	6.35513	5.39423
LOC1019	5.26934	5.7079	5.2998	5.58134	5.00222	5.22231	4.11808	5.91431	5.09913	5.48393	4.92944	5.86517	3.82075	2.57571	5.1212	6.05897
LOC1019	2.37329	4.79439	2.3147	2.92162	3.30882	2.91286	4.8582	3.32868	2.67969	4.02075	5.61082	4.18954	2.88174	2.09344	6.17101	4.64753
LOC1019	2.04089	3.6935	2.68367	3.83907	4.56051	5.31891	4.65674	3.60236	3.87677	4.55142	3.25613	3.56237	4.8922	2.72254	2.97605	2.53538
LOC1019	4.82998	4.62869	3.99755	4.38405	4.88265	4.16542	4.47708	2.13755	4.84572	3.99153	4.5939	5.79382	4.58588	4.25308	3.27847	4.86201
LOC1019	6.84893	7.11147	6.90068	7.16353	6.93736	7.12363	6.79271	7.30878	6.93706	7.34263	6.90487	6.71574	7.04911	6.48478	7.19505	6.99001
LOC1019	5.34118	5.77688	5.70234	6.61191	4.7864	5.82175	3.95924	6.06626	4.80597	5.541	5.5279	2.63249	6.71324	6.621	5.89237	5.02291
LOC1019	7.4001	6.55645	5.90764	7.11288	6.42499	6.34101	6.82543	6.22039	6.30604	6.76466	5.62708	6.26067	6.34146	5.31833	6.04278	6.75745
LOC1019	1.32695	5.41954	3.0591	4.85873	4.72375	5.14737	3.49217	4.92969	6.04791	2.69205	2.38828	2.69934	5.05022	4.41097	4.25827	5.09761
LOC1019	1.64611	3.55786	3.20427	4.04694	3.96564	2.5608	2.63794	1.3689	2.35886	1.82992	2.95531	3.87137	3.30026	1.97057	1.40126	1.45205
LOC1019	6.76762	7.15366	6.30722	6.45334	6.41692	6.79557	6.01459	6.56557	6.13377	4.52838	6.25418	6.06289	7.13829	5.02586	6.32627	6.86364
LOC1019	5.77426	6.42338	6.14565	5.44738	4.5743	6.15904	6.09746	6.2284	6.24633	6.82158	5.21894	5.98264	5.94021	5.99767	5.99014	5.7418
LOC1019	2.79297	5.10307	3.72265	2.83422	2.83544	2.99117	3.03237	3.0093	3.11326	5.36656	2.97056	3.12959	3.82075	3.55944	6.25144	3.27231
LOC1019	5.67529	5.55391	6.17111	6.20003	5.80674	6.51815	5.97229	5.82161	4.51187	6.60293	5.23928	6.32273	5.84764	5.95512	5.46222	6.15584
LOC1019	4.124	5.08207	5.52025	4.64303	4.74589	3.78428	3.72504	5.11141	4.57997	4.01206	4.23371	5.36466	5.32985	4.6631	4.82291	5.17831
LOC1019	4.55321	5.07244	3.98497	3.39777	3.98376	3.50802	4.77792	3.84143	5.64719	5.33725	4.05647	3.16915	3.14193	3.92481	5.77462	3.10689
LOC1019	2.75185	3.54594	2.96792	2.63639	2.63482	2.67969	2.96225	4.04879	2.86093	2.50603	3.32655	3.18013	3.54537	2.65463	3.06557	2.81134
LOC1019	3.53756	3.89112	3.04356	3.21843	2.71531	2.24655	2.73211	3.90071	3.06765	3.79424	4.57021	4.542	2.94778	3.36587	3.86469	3.44273
LOC1019	3.84315	5.65446	5.14525	5.563	4.46197	4.85358	4.98886	5.48379	5.70877	5.37429	5.44563	4.19789	5.38375	3.67678	4.97312	5.72837
LOC1019	6.63771	6.99823	5.70234	7.03808	6.78936	6.65808	5.48981	7.26624	6.08039	6.94426	6.70511	6.23393	6.81119	6.21645	6.9154	7.23713
LOC1019	7.59528	7.72221	7.74961	7.48493	7.52984	7.59745	7.86488	7.46636	7.8819	8.30848	7.2954	7.99071	8.12887	7.99046	7.40347	8.27019
LOC1019	7.26665	7.28627	6.76324	7.06708	6.95626	7.00374	6.4577	7.8025	6.58522	7.08674	6.80329	6.95533	7.26072	6.83647	7.35469	7.30333
LOC1019	2.77283	1.94258	2.98152	3.1994	3.9057	2.63321	1.49083	3.97032	2.07939	1.92074	2.3203	4.29394	2.98256	2.28524	1.52655	3.01871
LOC1019	4.72201	5.29717	5.8266	5.66075	4.62281	5.37887	5.70528	5.30926	5.08822	4.84572	4.55066	4.77455	4.24814	5.07516	5.42686	5.75373
LOC1019	2.04089	4.07403	3.55141	3.85758	1.54197	3.68688	0.93298	2.34717	3.49474	4.15112	2.21379	3.9057	4.39532	4.5359	1.00765	4.07003
LOC1019	6.28839	6.01454	6.24355	6.37643	5.84059	6.04611	6.14478	6.42442	6.56778	6.087	6.08974	5.86232	6.52595	6.1571	5.97678	6.56901
LOC1019	3.47335	4.70413	5.48664	5.3091	5.17658	5.23419	5.16078	5.23907	5.38622	4.95044	5.02177	5.43811	4.99358	4.42968	4.64949	5.01553
LOC1019	3.32431	3.12278	3.14177	2.0998	5.68373	5.45391	5.23969	3.52249	5.22807	6.05696	3.07695	5.37322	2.00801	3.95895	5.50576	2.10224
LOC1019	2.08404	0.37401	3.22117	1.85049	2.36593	0.61335	4.45365	1.22235	3.04535	0.33356	0.81405	0.75844	2.66449	4.57214	2.10058	3.23061
LOC1019	1.87757	2.59102	1.52785	3.1203	2.36593	1.63688	1.63196	3.10948	2.58986	1.82992	3.25613	1.122	3.07124	2.62575	3.33112	3.1481
LOC1019	7.37944	7.45362	7.16305	7.32503	7.04899	7.65921	7.3775	7.90137	7.19596	7.36993	7.28242	7.23624	7.35723	7.24474	7.04007	7.3761
LOC1019	3.85618	5.29518	4.79518	4.94172	4.87334	5.09122	4.14389	3.6256	4.81157	3.88851	5.42739	3.68704	4.55723	4.8766	2.93922	4.58508
LOC1019	4.82631	7.2277	6.67771	7.03205	6.5851	7.32307	6.52664	6.8657	6.90744	4.68137	6.77805	7.32679	7.58806	7.38356	6.23157	7.00147

LOC1019	5.07215	5.08129	4.34691	5.60298	5.41562	3.77609	2.23396	3.99573	5.60018	5.17323	5.41954	4.84861	5.46165	5.36972	4.52824	4.60548
LOC1019	6.96017	6.04946	6.21121	7.0915	6.17343	6.52201	6.30176	6.03916	6.455	6.35603	6.18738	6.74671	7.36361	6.70872	6.72954	7.04276
LOC1019	3.95471	4.12984	3.4274	3.6778	4.20167	3.91319	5.06736	4.24238	4.35735	4.27206	3.6993	5.26131	4.58697	4.28639	4.55949	4.15245
LOC1019	0.62135	2.8813	0.71928	2.0998	1.88842	2.11228	0.61735	2.17246	1.81152	0.93298	2.45719	0.82494	1.11444	2.82083	0.80062	2.9809
LOC1019	2.13523	4.52696	5.25119	4.1095	7.39119	5.086	7.81868	6.93431	6.13377	4.60892	3.09709	5.27316	6.15941	7.09751	6.87067	4.36849
LOC1019	0.62135	2.99228	0.9957	0.90097	0.05171	1.42001	2.06028	1.44837	1.39887	0.5704	1.32308	0.82494	0.07153	0.96901	1.61881	1.21992
LOC1019	2.53024	4.52298	3.55141	3.44117	3.75099	4.4329	3.50564	4.04879	3.74437	2.50603	3.72995	5.04878	4.13938	3.55944	3.38625	2.01298
LOC1019	3.29685	5.72298	5.40583	5.3149	2.76484	5.23419	2.5047	5.64102	5.22283	4.92663	4.63208	4.64303	4.70836	4.89098	2.69546	3.75027
LOC1019	3.93705	3.16637	4.96058	4.22883	4.05118	4.54584	5.04372	5.08644	3.31034	5.00386	4.76672	4.96224	3.71375	4.00373	5.31676	4.69773
LOC1019	3.00675	3.16637	2.63513	1.93131	2.65839	2.97137	2.06028	2.58708	2.76258	2.80132	3.02585	2.93048	2.81611	3.24563	3.16274	3.38208
LOC1019	5.60724	3.99662	5.98061	6.30541	5.24068	6.22008	6.24397	5.45844	5.69851	6.34698	5.68466	5.83418	6.51043	4.2645	6.39835	6.61659
LOC1019	3.78698	3.3786	4.25043	3.87736	3.41088	3.67619	5.19716	3.17146	4.06977	3.29126	3.05202	2.63249	4.48458	3.67678	5.18256	4.44222
LOC1019	4.83857	3.61646	4.55172	5.24722	3.62297	4.93308	4.65451	5.59515	4.90711	4.50197	3.49996	5.09358	3.58419	5.01537	3.57327	5.67417
LOC1019	3.87518	5.55642	2.68367	3.56531	5.55298	4.41713	4.32992	1.96139	5.24379	2.01376	4.46398	2.99228	4.11284	5.64899	4.64145	4.83068
LOC1019	3.97	4.19998	3.70804	4.05472	3.30882	5.17449	5.13292	3.70769	4.2082	3.49311	4.24944	4.03129	3.26844	4.71408	3.53974	3.95427
LOC1019	4.69157	5.45365	5.23698	5.61979	4.6969	5.63879	5.99481	5.91431	4.74411	4.70881	3.60639	5.37627	5.95749	4.97045	4.97591	3.5127
LOC1019	5.63997	5.56093	6.73129	6.32236	5.3794	6.04396	3.47278	6.18347	3.22752	5.82945	5.68938	5.92467	3.40212	6.02272	5.46495	5.74611
LOC1019	2.79297	3.81549	1.79898	2.31308	2.97095	1.4697	2.0296	1.44837	2.67969	5.26485	2.3203	1.87757	1.29724	2.37224	1.88334	1.54854
LOC1019	-0.238	4.84572	1.52785	1.16965	0.75071	1.36658	1.54854	0.76448	3.57258	1.00522	2.50161	4.20427	2.7752	0.73695	2.43868	0.07153
LOC1019	5.37195	3.44137	3.72265	3.55701	4.84049	4.48115	4.58061	3.10948	4.95856	3.13394	4.8528	3.26763	4.04818	4.80703	3.84644	5.23003
LOC1019	7.66255	7.56682	7.22549	7.82723	7.34167	7.49942	7.61148	7.51158	7.64471	7.42514	6.64067	7.52624	7.12681	7.0572	7.39119	6.92997
LOC1019	4.59471	4.94092	4.95276	4.81051	4.98786	4.91834	4.43758	5.43993	5.46799	5.06904	5.0109	4.75713	5.17427	4.95231	4.99814	3.98976
LOC1019	4.51613	4.55271	5.06667	5.16531	4.56226	4.83993	5.14382	5.42824	4.97832	4.68051	5.25291	4.64753	5.18175	5.50884	5.11832	4.67447
LOC1019	3.36587	4.97582	4.17984	5.22998	4.26628	5.21505	5.52799	2.91144	4.69793	4.56572	5.28273	5.07091	5.53273	5.29145	5.43322	4.49636
LOC1019	1.70087	4.00768	2.72411	3.1203	1.48455	2.31052	4.68519	3.13235	2.79078	2.83032	2.52439	1.73861	3.34323	1.92414	3.20278	2.76844
LOC1019	4.88056	3.76552	3.91647	5.46594	3.22566	3.84347	3.68625	4.06126	3.82945	3.57327	3.3159	3.91935	3.64142	4.17756	3.58891	2.99971
LOC1019	2.55807	4.88716	3.33383	3.08274	3.24511	3.45096	2.63794	2.67421	3.17124	4.49669	1.82109	2.41615	2.39587	3.44975	2.23945	3.26138
LOC1019	3.23115	3.75252	3.93793	4.65119	4.45842	3.71992	3.36413	4.07755	3.68869	3.86554	3.50721	3.07738	4.35008	3.6916	2.88263	4.52625
LOC1019	3.02599	3.76552	4.47125	1.67907	2.42207	5.36175	5.07679	2.70064	4.59837	2.50603	3.3963	5.48686	4.82036	3.23061	3.77502	5.448
LOC1019	5.75916	4.92195	5.53096	4.61877	5.71126	6.08635	5.83208	6.0882	5.5025	5.65982	5.50599	5.62225	6.34327	5.97064	5.59831	6.07699
LOC1019	4.58951	5.00579	3.19256	6.39124	4.34233	4.01812	2.88209	2.8638	4.34561	4.55883	5.11463	3.9549	5.06968	3.8419	4.80045	3.10689
LOC1019	6.43077	6.81544	6.7036	7.03398	6.56458	6.88989	7.33163	6.94457	6.34393	6.57826	6.81906	6.85132	6.99449	6.89922	6.64326	6.77466
LOC1019	4.44608	2.46272	4.57507	5.76588	2.33881	4.53233	5.43734	5.73312	5.47507	5.01	5.58568	4.83675	5.47507	5.244	4.82932	4.34302
LOC1019	2.00108	2.13825	2.56774	1.89139	2.39414	2.72526	1.98828	2.78286	2.07939	1.63837	2.70123	1.80953	1.89786	2.91144	1.6611	2.76844
LOC1019	5.51577	6.15028	5.95819	6.3828	5.81749	5.80692	5.90076	5.29334	5.38622	6.21895	5.76027	6.70005	6.30041	5.95153	5.7174	6.40673

LOC1019	5.58674	5.57111	5.8237	6.29525	5.81346	3.81413	6.45517	3.92749	6.09195	3.91319	3.62297	6.29645	6.08163	3.87671	5.76173	5.71535
LOC1019	2.34348	2.8813	2.23187	1.55195	2.10233	1.09519	2.9333	4.88503	5.29959	2.12186	5.40071	2.6814	5.01038	2.05268	4.27526	2.15094
LOC1019	6.60644	6.4495	4.78184	6.51208	5.38252	6.59268	6.58803	6.31886	6.17468	6.04533	5.49607	6.32393	6.12219	5.69164	6.43167	4.49636
LOC1019	2.54821	3.11783	2.15913	2.11028	2.60031	1.83926	3.26474	2.11968	2.54889	2.73543	2.89231	2.39581	3.58474	2.42582	2.98295	3.16953
LOC1019	1.11909	2.23621	1.54854	1.16965	1.11444	1.32117	1.49083	1.67907	1.81152	2.01376	2.56627	1.63685	1.73296	2.41572	0.93298	2.15094
LOC1019	4.53702	2.89801	3.0591	3.1203	2.39414	4.87977	2.78886	3.73495	2.61941	4.56572	1.95222	5.21362	3.23246	4.99322	4.09448	3.58879
LOC1019	2.23882	4.61283	4.31281	3.06525	1.69898	4.07245	3.03237	4.71588	4.72987	2.23712	4.66895	5.15207	4.95044	4.6923	3.78253	3.2169
LOC1019	1.32695	3.73984	2.04684	1.96731	2.50418	5.11891	2.1009	3.43351	1.39887	2.85867	3.90646	4.53042	3.23246	1.84505	4.67029	3.01871
LOC1019	6.50525	6.1585	6.57289	4.69677	5.6902	5.14236	5.67127	6.41673	5.66879	7.0676	5.53265	6.02886	6.21022	5.85906	6.05243	6.33896
LOC1019	2.68367	4.28339	4.93219	5.16352	5.45685	3.71116	1.63196	4.68363	3.02333	2.80132	2.18694	2.36593	3.43133	2.83991	3.38625	4.79956
LOC1019	7.48137	6.96438	7.57878	7.22098	6.59384	7.35432	6.55901	7.42962	7.36109	7.36287	7.33163	7.34597	7.28682	7.30014	5.88618	7.07611
LOC1019	5.70016	5.30505	3.9636	5.98328	4.56051	4.9488	5.33349	5.80439	5.12838	2.93344	6.19608	5.85157	3.36189	2.95261	4.36479	4.887
LOC1019	3.71123	3.82382	3.391	3.8462	3.35289	3.45096	3.71929	3.02948	3.42477	4.17211	3.72069	3.29115	4.006	3.9712	2.63378	3.66526
LOC1019	6.87143	6.61588	5.11427	4.50197	6.64508	6.67853	6.49506	6.67496	6.53064	6.2896	6.69077	7.61706	6.34875	6.53539	6.88974	6.46638
LOC1019	4.39937	5.05059	3.69741	5.7533	3.2065	3.41719	3.76501	3.74908	4.62638	3.37812	4.39789	2.93048	4.44582	4.31831	3.38625	3.42878
LOC1019	4.39519	3.332	3.65093	3.80166	3.8513	3.39699	2.8331	3.4834	3.45549	3.71682	3.92057	3.41991	3.93337	3.94634	3.11652	2.96978
LOC1019	5.40872	4.51562	4.88176	5.0758	5.04544	5.03472	4.99763	5.27302	4.92635	4.09395	4.41868	4.60892	4.90439	4.42597	4.32841	3.68581
LOC1019	3.90594	5.0136	3.82769	3.32481	5.0499	4.58796	4.20319	5.41101	5.75016	3.39891	5.46764	3.68084	3.68721	3.78375	5.04161	3.82034
LOC1019	0.62135	0.89181	2.21086	1.63196	1.48455	0.74252	0.48337	1.31605	1.32709	1.87612	2.10233	1.80953	0.86502	1.27177	1.6611	1.21992
LOC1019	2.65839	3.04911	2.96792	3.28542	2.53024	3.20546	2.98815	2.40011	2.97568	3.74711	3.07695	3.21231	2.5663	3.07586	2.9127	2.92719
LOC1019	5.63997	6.38914	5.63847	5.58134	4.25669	5.33448	5.16332	5.85352	5.12426	5.27076	5.29132	5.8105	4.10293	5.92308	5.30388	2.36473
LOC1019	5.09335	4.52696	4.82281	5.17437	3.14557	5.25726	5.47996	3.55509	4.92985	4.41983	4.78229	4.68488	5.07488	5.4269	4.62482	5.46892
LOC1019	1.74742	2.74824	1.73976	1.444	2.36593	2.34348	2.15094	2.21132	2.31622	2.69205	2.45719	1.80953	2.66449	2.37224	2.07498	3.35278
LOC1019	9.24484	8.58812	4.28209	8.75771	4.90513	5.88899	5.02586	5.58603	6.51441	2.21379	3.7606	6.80627	3.71004	4.54034	4.03533	3.22069
LOC1019	6.18875	6.24968	5.22231	5.63391	4.81676	5.18553	4.49757	6.35125	5.3574	6.24655	4.82671	6.34758	6.54832	4.2359	5.97378	4.19396
LOC1019	4.58086	4.85515	5.71788	5.60533	5.09517	6.30311	5.20807	6.10828	6.01437	5.63112	5.69404	3.49365	5.52441	5.82837	5.76173	6.86113
LOC1019	1.87757	2.51658	3.33383	2.90159	1.3442	2.34348	4.08418	2.30474	4.72178	1.5458	1.74872	4.44959	3.85528	3.34999	3.16274	3.0606
LOC1019	5.55384	4.62869	3.94585	5.05502	4.47054	5.81617	4.73125	5.37804	5.31338	4.45539	5.55298	5.91076	5.97368	5.67663	5.60696	4.45493
LOC1019	7.06708	7.3161	6.4146	6.61987	6.70289	6.78	7.19727	4.46867	6.5216	6.58211	6.45045	7.29287	6.63633	7.19389	6.28422	6.92499
LOC1019	5.24859	5.7174	5.99187	5.4746	5.91698	5.88087	6.02125	6.55748	6.26758	6.2132	6.1585	6.23189	5.72094	5.97064	5.5579	6.49899
LOC1019	6.24408	5.64126	6.28732	5.21663	6.16481	6.19367	5.73173	5.28972	5.29621	6.10171	6.35027	5.88627	6.18882	5.74649	6.27756	5.96804
LOC1019	3.17857	2.53824	2.27099	4.09864	3.30882	4.3562	2.06028	5.1616	2.5663	5.78834	5.65707	5.78361	5.35451	6.09928	2.81201	6.05897
LOC1019	4.84143	5.86329	4.87214	4.92187	5.72807	5.8125	6.15474	6.06247	4.56553	5.58409	6.00586	5.00222	5.76339	5.53595	5.81659	5.87377
LOC1019	4.72201	1.9808	3.32481	3.06525	5.19435	2.07394	3.86818	3.3596	3.6792	3.2328	4.72831	5.7995	2.68899	5.26764	2.84494	3.66526
LOC1019	6.63378	6.14739	6.489	5.37588	5.91335	5.95608	5.9345	6.64827	6.68462	6.56664	5.20259	7.00339	6.86287	6.33808	6.5162	5.83595

LOC1019	5.69349	6.26802	4.38374	2.90159	3.07162	5.34835	3.74769	5.9545	4.13584	3.2328	5.73103	3.00642	5.66277	3.18151	4.59094	5.00773
LOC1019	6.13095	6.18762	6.17527	6.16754	5.82627	5.51524	6.38093	6.06247	5.6566	6.07145	4.99562	6.46024	5.82322	5.54389	5.66533	6.77297
LOC1019	4.68509	3.77151	6.86679	4.58588	4.7864	6.65283	3.47278	4.6981	5.23193	3.5256	5.21894	3.21231	3.79701	3.64454	3.63405	5.60255
LOC1019	7.10829	6.24655	7.41612	6.01673	5.54107	6.67388	7.131	7.43579	6.43161	6.75866	6.27556	5.94393	7.2533	6.10779	6.63063	7.0308
LOC1019	5.04458	4.37518	5.74268	4.21125	2.9933	3.90614	4.73125	4.51056	3.6792	3.72029	3.80377	4.14691	4.16937	4.17756	3.89112	4.46349
LOC1019	3.11441	4.46777	4.88716	3.79536	4.04328	4.19473	3.87897	3.47335	4.07916	3.93408	4.27533	5.23021	5.79553	3.55944	3.03267	3.61186
LOC1019	2.13523	1.16965	-0.238	2.22193	4.15744	-0.2642	1.85693	2.70064	0.89896	2.75002	0.48812	0.46592	1.68682	2.09344	-0.133	4.55047
LOC1019	6.11493	6.38771	6.56886	6.9622	4.92674	6.4803	5.67127	5.99786	6.11635	6.24408	5.16821	6.46228	7.02171	7.07219	7.4535	5.72346
LOC1019	4.10225	4.82671	4.91702	4.29087	3.99122	4.85948	4.63727	6.02116	5.91288	4.54726	4.69252	5.3869	4.76092	4.27619	4.45614	4.54874
LOC1019	3.95025	4.09906	4.79719	3.93923	4.28503	4.52354	4.09708	5.03413	5.05781	3.9561	4.90106	4.78492	5.49394	3.23376	5.1034	4.20465
LOC1019	3.88851	2.72769	4.9024	3.42644	-0.133	4.45264	2.81469	3.98218	3.9348	5.18807	4.69677	3.01775	0.41936	4.41888	4.42805	4.39898
LOC1019	3.66681	4.77515	6.40266	2.88071	5.23329	5.18553	3.89026	6.32223	5.00335	5.43291	3.62297	5.03092	5.537	5.59748	2.84494	4.48935
LOC1019	5.38177	5.56364	5.9634	6.22361	5.71666	5.26131	5.23329	6.69627	5.47507	5.52355	5.87521	6.04935	5.95749	5.97064	6.75136	6.21098
LOC1019	6.89636	6.8747	6.77263	6.21387	6.47846	6.72968	6.47461	6.6651	6.65563	6.17446	6.60689	6.82513	6.56438	6.81098	6.65319	6.59992
LOC1019	5.77804	6.97241	5.69472	6.58138	4.54126	6.0894	5.58532	6.41673	5.03513	4.60892	6.22305	5.13806	6.49925	5.93907	6.20404	6.03959
LOC1019	5.54131	4.04274	3.53502	5.38794	3.10976	4.03667	5.01022	5.65251	4.7581	3.44491	2.36593	2.75185	4.23895	5.45068	4.83434	5.117
LOC1019	6.33746	5.00175	6.59456	6.51863	6.00856	7.17328	6.55038	6.29451	5.96744	6.89471	5.51991	4.94408	6.36158	5.35106	5.19273	6.26771
LOC1019	5.54973	5.979	5.67908	5.51103	5.21683	5.75607	5.83023	5.66394	5.38528	4.51613	5.99754	6.04515	5.84244	6.36706	4.78069	5.3421
LOC1019	2.27273	1.67217	1.44831	2.25844	1.48455	1.09519	2.67152	3.13235	2.95663	2.15841	2.63321	2.48941	2.39587	1.72157	2.36623	2.36473
LOC1019	5.87483	6.36671	7.31648	6.48837	7.15506	6.30311	6.4066	5.99457	5.76565	5.99921	5.65707	7.00541	7.07187	6.49455	6.38796	6.23094
LOC1019	5.55384	5.41283	1.54854	3.08274	3.32431	3.85447	2.90726	4.62117	1.81152	3.11051	1.91586	1.94688	2.04398	3.34999	2.29341	1.89302
LOC1019	5.5025	4.80498	5.07366	5.41634	4.55579	4.63389	4.6173	5.47271	4.99121	4.54584	4.76796	4.74829	4.94005	5.19361	4.5224	4.81824
LOC1019	3.66681	3.89112	4.13154	4.42997	5.10681	4.70491	4.61995	2.52957	3.9348	3.25068	4.02808	2.66471	3.69964	4.70657	4.9796	4.10606
LOC1019	4.31556	2.34474	1.19537	2.34348	1.11444	0.81159	3.93793	1.91261	1.98342	2.57765	1.26375	1.31925	2.23314	1.17253	1.08679	1.37509
LOC1019	3.09851	3.64857	5.69888	3.27048	5.75084	3.85447	2.83966	2.64349	4.78164	1.92074	4.35988	4.22754	3.25147	5.1836	4.14967	4.71816
LOC1019	4.74756	4.80979	4.09823	3.27048	3.78235	3.04945	2.8619	4.30714	4.93727	2.61134	3.71153	2.53152	3.97703	5.16038	3.06557	5.17859
LOC1019	5.03573	1.9808	2.56774	3.52553	5.11666	2.11228	1.98828	3.0481	2.88086	3.07203	2.97056	5.55179	6.33933	2.18939	5.92996	5.4554
LOC1019	5.46994	3.99662	3.7147	5.25444	5.30524	5.32297	4.79031	3.21508	5.05885	5.07547	3.23213	5.30957	3.30026	4.935	3.0951	5.5865
LOC1019	4.75238	5.82453	4.54463	5.35874	5.54107	5.56226	5.79486	4.06126	5.84439	5.24846	3.96082	5.10078	6.01067	5.44248	5.96919	5.54772
LOC1019	6.68013	3.73984	5.21903	5.79284	6.30234	6.1132	5.08709	6.63353	6.16655	5.61082	6.31181	6.3295	6.24882	5.15309	5.70887	5.32654
LOC1019	6.10768	6.03198	5.16282	5.84845	6.01106	5.44553	5.55964	5.66963	5.92675	4.81582	5.7256	5.68216	6.01377	5.55932	5.92343	6.06151
LOC1019	3.19594	2.89801	3.08807	3.08274	2.94105	3.52398	3.39293	3.39861	3.2065	3.58913	2.86424	3.49365	2.52228	2.79431	2.23945	2.59102
LOC1019	3.22144	1.54402	3.21294	4.68646	2.65839	4.83812	4.41747	2.70064	2.28837	3.87941	4.64068	4.68488	3.64142	1.84505	1.81049	2.79166
LOC1019	1.84505	2.07729	2.53621	2.69863	3.01001	1.78116	1.24246	1.79233	1.32709	1.82992	2.30098	2.97562	2.75699	2.05268	1.26858	1.80953
LOC1019	5.9025	4.45523	4.13924	5.91883	1.73976	4.01812	4.57297	2.64349	4.14509	4.49669	2.68367	3.93749	4.49752	4.33558	3.57849	2.47807

LOC1019	5.87483	5.64428	4.3596	6.44845	6.01106	6.04396	5.97739	5.90934	5.88688	5.14584	6.74529	6.30901	6.61785	5.69164	5.70246	5.60592
LOC1019	4.23422	5.53282	5.38139	3.15929	4.99272	5.50567	5.02086	5.157	2.53538	3.2328	5.59376	4.19789	3.07124	5.04161	5.77462	5.72006
LOC1019	6.28624	6.13852	6.78466	6.06855	6.34126	6.4479	6.67837	6.79985	7.00224	6.11917	6.28902	6.7865	6.06561	6.35027	6.34474	4.54176
LOC1019	2.85784	1.74177	2.35871	3.06525	2.0729	4.38024	3.61825	3.86842	2.95663	3.15532	4.65546	4.35575	3.54537	3.0362	2.04035	2.82844
LOC1019	4.13997	4.8244	4.03916	6.17486	4.88265	4.22923	4.37306	4.46162	5.89332	2.85867	4.08852	4.63689	6.13739	4.32699	5.20337	5.29354
LOC1019	5.29878	6.43304	4.84558	4.56179	2.55772	3.37812	3.31153	6.15282	5.52482	4.89975	4.50609	6.78049	4.92092	5.38794	4.8692	5.25696
LOC1019	7.77832	7.42167	7.12799	7.23966	6.43539	6.74157	6.39759	6.90016	6.51077	6.67304	6.61955	6.67397	6.95202	6.55748	5.91675	6.60839
LOC1019	6.71017	6.50922	5.4513	6.89505	6.10794	6.4803	6.83211	6.00213	7.18046	6.85982	6.58264	6.03345	5.40842	6.62241	6.43539	6.58264
LOC1019	4.45264	4.02672	5.1255	5.0822	5.16332	5.30537	4.98886	5.30178	5.39064	5.14202	5.56141	4.99814	6.15519	5.51437	5.59396	5.37077
LOC1019	6.88587	5.85352	5.95993	6.8906	6.70889	6.61445	6.77986	7.22669	5.00928	6.95154	6.18165	5.97084	6.82036	5.96474	5.21162	7.91133
LOC1019	4.28431	3.19069	3.28947	5.3524	4.44183	4.71726	4.26699	5.28095	2.93758	2.34717	4.13909	5.23021	3.47767	3.70919	4.52824	3.48415
LOC1019	5.85869	5.53282	6.44114	5.9082	6.18795	5.1341	6.35718	6.67496	6.67871	5.80026	5.28977	6.10863	5.44722	6.39199	5.8105	6.44565
LOC1019	6.49934	7.31863	7.39928	6.79474	6.70889	6.86138	7.12006	7.15958	6.53064	7.13022	6.9789	6.70664	7.49252	7.64799	6.41307	7.01158
LOC1019	1.74742	2.1636	3.76552	3.60342	3.97307	4.67381	3.52327	4.80693	2.61941	1.96807	3.36559	4.80362	3.82075	3.77151	3.4529	1.51008
LOC1019	2.44059	1.7774	2.11428	3.08274	2.02496	2.07394	3.27441	1.99703	1.59296	2.75002	1.91586	1.59868	2.10686	2.62575	1.81049	2.63794
LOC1019	2.16905	3.3786	2.04684	2.67969	2.29738	2.07394	2.23396	2.64349	1.98342	2.07832	2.18694	2.17829	2.34547	2.34474	2.76084	2.19188
LOC1019	4.34203	4.07403	3.36406	4.58019	4.16584	6.21864	4.92155	4.1207	4.97	3.31009	4.04026	6.13585	4.04818	3.3814	3.17223	4.43077
LOC1019	4.36824	3.8951	4.29473	3.89843	4.76263	4.95264	4.41516	4.36012	3.44577	4.34346	4.78555	4.55504	3.88932	4.92321	4.02826	4.39175
LOC1019	3.24511	3.08616	2.81407	4.31127	2.57664	2.13853	3.32197	2.76999	2.30119	3.73786	2.75954	3.5199	3.39543	3.6392	2.35871	3.83387
LOC1019	5.56456	5.97658	3.49445	5.39225	5.09145	5.23419	5.87779	4.88503	5.19903	3.74711	3.111	5.27036	5.70272	5.40055	4.71122	4.63943
LOC1019	6.06855	6.3928	7.02035	6.6346	6.54902	6.84397	7.04258	6.70121	6.80638	6.72553	6.59726	6.84306	6.85136	6.74522	6.56221	6.73237
LOC1019	3.0835	3.11174	3.34445	3.00618	4.24079	3.79752	4.79031	3.60236	4.17624	4.44111	3.42769	5.21937	5.08514	5.27526	1.6611	4.72447
LOC1019	2.21029	2.13825	4.56226	2.61385	2.73769	2.51251	1.24246	3.08616	3.60923	2.88148	2.10233	2.8813	4.57269	2.59761	4.4703	2.26153
LOC1019	4.25043	4.71747	4.20503	4.07722	3.93705	4.29854	4.34027	4.92969	4.10622	4.5431	3.77904	4.16089	5.44364	5.11666	4.30494	3.98264
LOC1019	8.00126	7.29882	6.61723	7.52026	7.38734	7.05993	7.13203	7.4605	6.41038	7.92262	7.46613	7.02273	7.11209	7.34845	6.69731	7.01033
LOC1019	5.29878	5.06203	5.17427	6.03045	5.50938	6.07317	4.81522	6.60546	5.50616	6.38529	6.53433	6.41555	5.87302	6.07154	5.48401	4.72447
LOC1019	6.31876	6.79746	5.38139	6.79158	5.86129	6.06644	6.21417	6.48178	4.5431	6.46324	5.37249	5.20401	6.12219	6.33371	6.23157	5.52016
LOC1019	3.50034	6.60527	3.81385	4.02962	5.7441	5.56637	5.96527	6.16644	5.52164	6.54319	6.25249	5.57585	6.07459	5.59748	6.43048	6.89528
LOC1019	1.19711	2.29438	2.11428	4.51886	4.14049	3.6256	4.74782	5.43993	1.98342	5.20755	3.92452	3.66815	4.44582	5.27102	2.07498	4.05789
LOC1019	4.02962	1.49036	2.21086	3.8462	2.29738	2.69944	2.20014	3.81494	1.45473	0.93298	1.20713	2.6814	1.59204	1.1104	3.47504	1.89302
LOC1019	3.80647	4.96244	5.61026	2.88071	3.6922	3.78772	3.50564	5.28592	4.80597	3.50939	4.64068	3.73633	5.68275	3.82972	2.95994	3.92452
LOC1019	5.52799	4.11531	6.51077	6.11602	5.72137	6.1716	5.09328	5.23907	5.75916	5.83509	6.20342	5.86232	4.70357	4.89098	5.18587	6.34361
LOC1019	3.40306	3.66493	4.07529	4.48593	4.17917	4.59755	4.02162	3.70267	2.23761	4.01654	4.14078	3.61047	3.57129	3.42592	3.94319	4.33509
LOC1019	3.56191	1.84587	3.58903	5.23955	2.18367	3.6993	2.1009	4.31688	3.87677	4.89182	3.52473	5.73131	5.54686	4.72155	2.81201	4.2082
LOC1019	8.43537	8.59168	7.5808	8.43956	7.32161	7.99636	8.14298	7.8567	7.28373	7.69867	7.1324	8.33525	8.80228	7.82119	7.59573	7.74542

LOC1019	3.51548	3.62805	3.60422	3.25646	3.45301	3.52398	3.82687	3.88575	3.22752	3.63896	3.68444	3.18013	3.68721	3.36587	3.40607	3.10689
LOC1019	2.68367	5.26572	5.10579	2.58828	3.9949	3.35168	3.44209	5.41625	3.94629	4.20362	4.74167	5.52528	4.35356	2.91144	4.9796	4.79506
LOC1019	5.20479	3.82382	4.33776	5.40961	4.86578	2.5608	5.26618	5.31438	5.74444	5.17323	4.54346	5.83977	4.4772	5.41453	5.41528	5.26217
LOC1019	1.92303	2.67513	2.44429	4.33153	4.08624	2.24655	3.6755	2.78286	2.53538	2.72148	2.83774	2.66471	4.43617	2.22838	2.6136	2.86424
LOC1019	3.61236	3.34445	3.1811	3.45327	3.52527	3.20546	4.26699	3.47335	3.2065	3.66644	4.42745	3.7042	3.73495	3.86642	3.78253	3.87671
LOC1019	4.12999	3.79628	3.72982	5.21128	1.97947	5.80329	3.40901	5.37804	4.52011	3.20323	3.85459	3.82629	3.54537	2.72254	2.65173	3.35278
LOC1019	7.67668	9.65256	9.64158	9.2593	7.64645	7.98688	6.96254	8.96233	7.91288	8.15216	5.89465	8.55764	7.68633	7.41505	8.21298	7.62815
LOC1019	2.34348	1.8084	1.95191	2.25844	1.93871	1.95254	1.85693	1.83717	1.87545	1.69907	2.52439	2.44179	2.96494	2.25724	2.81201	3.13394
LOC1019	7.38957	7.02379	7.06843	6.6185	6.89528	7.72862	7.47497	7.01699	7.86404	7.59864	7.44123	7.16652	7.3511	7.80604	7.10387	7.52624
LOC1019	5.96035	5.61119	5.63327	6.07026	6.22371	5.29571	4.65674	5.83892	5.36454	5.89084	5.27341	2.89774	6.75946	6.04515	5.66145	6.59268
LOC1019	4.12999	3.62805	3.99755	3.42644	2.97095	3.33634	2.9333	4.03916	3.38569	3.3263	3.96082	3.15604	3.66589	3.42962	3.26899	3.28662
LOC1019	6.19499	4.63759	6.73581	6.36695	5.55298	5.9972	4.64688	4.97563	4.84059	4.66895	4.84579	4.49442	5.96219	4.68646	4.6631	5.07599
LOC1019	3.64066	3.88198	3.08807	4.02962	2.68714	4.93559	2.67152	4.94439	3.69577	4.46917	2.41572	4.0069	3.53101	3.05474	3.91498	3.29988
LOC1019	5.97437	6.12201	5.43134	5.37588	5.50938	6.1132	4.37306	6.34947	5.86958	5.74642	4.45332	4.90513	6.51344	6.18234	5.32594	6.28284
LOC1019	3.97	1.9808	2.55526	3.21843	5.13936	1.95254	3.71929	5.02925	2.70734	5.14202	2.68367	5.01256	2.23314	2.09344	4.58644	2.88582
LOC1019	6.60644	5.26171	6.03781	6.57312	5.78435	6.18973	5.13292	5.9545	5.34823	4.00197	6.07804	6.44906	6.44179	5.73322	3.88013	5.88899
LOC1019	6.08121	6.82691	6.54875	6.16141	6.51983	6.15606	6.43019	6.75832	6.43335	6.34969	6.45655	6.89972	6.7985	6.07557	6.62185	6.86237
LOC1019	5.29878	3.65681	4.47847	3.988	4.6969	4.89474	4.19082	4.44194	4.19706	3.65408	5.24464	4.09275	4.11891	4.11853	4.49946	4.84596
LOC1019	2.49316	1.8671	2.03885	2.07807	1.67649	3.10839	2.32838	2.71818	3.64889	1.94058	2.59028	2.92226	5.47646	2.46587	2.25402	2.65028
LOC1019	6.12164	5.68283	6.44633	5.71644	5.01197	5.91282	6.34043	6.10464	6.20487	5.78516	5.77873	5.90655	6.11965	5.93474	4.84979	6.03639
LOC1019	4.00401	4.65407	2.02586	3.25646	3.78235	2.03544	3.82687	4.50182	5.03513	1.15042	2.52439	4.47148	4.30438	1.97057	4.44094	4.74345
LOC1019	4.58086	4.47322	4.67099	4.03862	4.56691	4.54584	3.74769	5.36903	4.52735	4.88336	4.02808	3.91237	4.72178	4.8002	2.89621	4.92331
LOC1019	2.91334	2.97605	2.91679	3.1203	2.39414	3.93664	2.98815	2.83945	4.77313	2.98998	2.98436	2.91196	3.28382	2.83991	3.29289	4.00732
LOC1019	4.68509	4.72297	4.08953	5.00785	4.65407	4.08037	4.06264	4.16157	3.95837	5.63576	3.80883	3.36359	3.00618	3.9712	4.26456	3.98976
LOC1019	6.33556	6.03955	5.47111	5.01314	5.61759	6.52891	5.97739	6.33407	6.33445	6.09071	5.96155	5.85641	6.90726	6.53972	6.05758	6.14382
LOC1019	3.90594	4.84276	4.9891	4.56912	4.24744	3.85447	4.92724	5.23907	4.37613	5.08139	3.47644	3.21231	5.76673	3.14828	2.3168	2.9809
LOC1019	3.31017	4.01765	2.50291	1.80217	3.80647	2.67969	3.70182	5.47546	2.95663	2.57765	4.78714	3.91935	3.28382	3.10839	2.79339	2.22886
LOC1019	4.0831	4.74876	3.82769	4.17431	4.20446	3.54848	4.31322	6.06816	4.38384	3.8429	5.68102	5.87483	3.64142	3.55944	4.4703	3.78507
LOC1019	5.03935	3.17553	4.5792	3.68775	4.26088	4.79031	5.17891	5.29174	3.39802	4.91553	2.99038	3.44868	2.61204	4.18478	3.18151	3.19594
LOC1019	4.85229	4.93339	4.28615	4.56912	5.18115	5.14236	3.86818	3.71916	5.15933	5.63112	4.06326	4.58543	5.57521	4.87894	4.84205	4.78652
LOC1019	4.17798	4.39409	4.16313	5.58134	3.59057	3.30682	4.41106	5.50242	4.49404	3.57327	3.8679	3.58062	4.84921	4.369	3.66756	3.85415
LOC1019	2.81334	4.88189	3.1811	5.48763	3.80647	4.4107	5.08709	5.19716	3.57258	5.10215	4.41154	4.39036	2.92938	4.32699	5.52397	4.62412
LOC1019	4.39937	4.03498	4.43096	5.02362	3.33875	3.22527	3.20323	4.50182	4.32665	3.20323	3.46534	4.3486	3.73495	4.07659	4.26797	3.23061
LOC1019	3.98673	3.96497	4.60832	4.24629	4.01874	4.4649	5.84212	5.08064	4.11778	4.14078	4.16718	4.99212	4.11284	3.82972	4.10265	3.98264
LOC1019	3.19594	2.70876	4.28615	2.88071	4.60294	6.07505	3.87897	6.37758	4.73809	4.91332	2.77081	4.66991	4.34627	6.48478	3.03267	3.34078

LOC1019	2.47437	2.26456	1.85463	1.96731	4.31963	2.5608	2.15094	3.06557	2.73661	2.85867	1.74872	2.41615	2.17097	2.18939	3.15051	3.65514
LOC1019	2.65839	3.28675	2.25072	3.83907	2.02496	1.995	3.58877	3.06557	2.22165	3.62321	4.10165	3.00642	3.30026	2.68036	1.97136	2.38828
LOC1019	6.7602	5.57693	6.72297	6.20878	5.82	5.57868	7.03971	5.77447	7.00541	6.35206	4.61069	6.14728	4.20792	6.36077	6.43048	5.24347
LOC1019	5.32883	5.6286	3.86957	6.04001	4.34735	3.41719	4.16867	5.41625	3.5256	4.6502	4.02808	5.49001	3.9262	5.15309	5.34383	3.6935
LOC1019	2.72538	0.79	3.31271	1.16965	0.84574	1.00765	2.78886	0.48812	0.89896	1.28097	1.36661	1.31925	1.53958	1.1104	2.00801	1.37509
LOC1019	3.81865	4.28339	4.81861	5.10054	3.93705	4.22923	4.09381	4.00856	4.00589	4.02075	4.2954	4.10127	4.03129	4.05603	4.05558	4.58158
LOC1019	2.3159	4.24394	4.23209	4.12524	3.46297	4.09346	4.66526	4.49355	4.56149	3.79811	4.30583	3.59491	3.5384	4.28111	3.73945	4.40463
LOC1019	6.04406	5.2229	6.18392	6.06855	5.99873	6.29537	6.23891	6.16296	5.51033	6.51189	5.65526	5.6566	5.89332	6.63901	6.3358	6.23325
LOC1019	4.99883	5.67407	5.51103	4.61163	5.67026	5.23419	5.67127	5.42632	4.70432	5.67091	5.59123	4.97617	6.23972	4.65943	4.71122	5.70974
LOC1019	3.31017	3.57431	3.69741	4.55668	3.89996	3.25596	5.67516	5.25151	5.03513	2.97414	3.3159	4.97617	5.41867	5.26311	5.42183	5.37386
LOC1019	5.80692	6.3977	5.85696	5.66468	4.40686	5.52122	5.8678	4.99236	3.17124	5.35295	5.0069	5.3654	5.60935	5.08968	5.76895	4.92092
LOC1019	5.25618	5.4303	5.87421	5.16352	5.65877	5.99097	5.18039	5.34947	5.23893	5.82603	5.5114	6.07116	6.03949	6.03949	5.15459	5.98051
LOC1019	5.57283	5.32827	5.2998	5.63752	5.40101	5.63393	5.70907	5.8726	5.8258	5.73126	5.33157	3.4402	6.55613	6.50605	4.17392	5.00773
LOC1019	2.21029	2.8813	2.61382	3.68112	2.91487	2.5608	2.42155	3.50531	3.57258	2.57765	2.77081	3.36359	2.59488	2.74868	2.41671	3.04866
LOC1019	6.12533	5.63076	6.59293	5.84112	5.4497	5.33083	5.38812	6.27029	5.89332	5.25952	5.66318	5.80814	6.53782	6.17946	5.76368	5.03767
LOC1019	2.70064	3.32466	3.44341	3.8462	4.25669	3.09851	3.39293	3.34245	3.87677	4.05738	4.04541	3.91935	3.16183	3.47687	3.44194	4.5359
LOC1019	1.87757	1.9808	2.40841	2.50291	2.2597	2.07394	2.3531	2.40011	2.35886	1.92074	1.7041	2.36593	2.68899	3.05474	2.6136	1.77343
LOC1019	6.3489	6.6308	6.22844	6.8648	6.55916	6.55239	6.57265	7.21316	6.44783	6.45572	5.972	7.0472	6.82178	6.61452	6.88265	6.77297
LOC1019	6.45915	5.38965	6.0945	5.88508	6.24827	6.23022	6.41398	6.27029	6.38388	5.56785	5.97954	6.42535	6.66461	6.10779	6.47846	6.48848
LOC1019	4.0196	3.88198	3.67421	3.5907	3.36671	5.30898	6.01651	4.6981	4.74411	3.83015	4.04541	6.40273	3.50584	3.7466	5.11379	3.67519
LOC1019	3.4567	4.22688	3.807	4.00732	4.24079	4.21021	5.07679	4.2959	4.55668	4.48115	4.1725	3.91935	3.73495	4.75817	3.8556	4.90169
LOC1019	3.94748	3.36509	2.50291	3.79536	3.14557	3.01096	3.52327	3.17146	4.02473	4.03381	3.3159	3.4402	3.34323	3.27909	3.0951	3.2169
LOC1019	4.43162	5.92053	3.95055	5.72522	4.05118	5.26131	5.8975	5.94733	5.90526	6.19425	5.5172	5.28266	4.5431	5.83348	2.98901	3.70541
LOC1019	3.83857	3.84816	3.8951	3.10896	3.62383	4.2746	2.94457	4.09619	3.83893	3.79065	3.58662	4.9792	4.39872	5.21707	3.89385	3.76071
LOC1019	5.56456	3.99153	4.54463	3.1203	4.58601	5.26854	4.84572	4.84165	4.33436	5.93876	4.9112	4.80362	5.52597	2.93125	3.10868	5.66749
LOC1019	1.90716	2.629	1.11356	2.37224	2.59854	1.62051	2.2964	2.65839	1.43286	3.0807	2.34235	1.89139	3.33341	2.29868	4.07136	1.35876
LOC1019	5.50837	4.85515	4.21937	5.50934	5.68373	5.4046	5.42833	6.07547	4.53517	5.94115	5.20037	5.50994	3.02655	3.99364	4.40873	4.37426
LOC1019	2.83473	2.23621	2.07548	1.20944	2.0729	2.03544	1.43866	2.13755	1.98342	1.63837	1.44615	2.31832	2.17097	1.36152	2.39175	1.77343
LOC1019	3.25147	3.82382	4.48486	4.49557	3.09072	3.33634	5.84212	2.75656	3.79382	3.2328	2.52439	3.0573	2.2085	2.93125	3.9328	3.55993
LOC1019	6.78513	6.41801	6.8874	6.65364	6.77772	6.7635	6.66656	6.82917	6.48293	6.57013	6.69985	6.55434	6.99449	7.18221	6.87678	6.92499
LOC1019	3.61236	5.37412	5.27509	5.36713	5.5335	4.89474	5.95888	3.97032	3.81646	2.91059	5.85373	5.76939	6.42518	5.4378	5.55069	6.08596
LOC1019	5.55384	5.37759	4.53287	4.25148	4.22631	5.0631	5.52025	5.70528	5.06749	4.97739	5.02998	5.14209	5.46473	4.28869	5.69841	5.53282
LOC1019	5.36845	6.51441	6.40266	6.5782	4.36498	5.29571	4.99448	6.14982	6.03446	5.90223	5.49607	6.24402	6.05349	5.96143	5.86281	6.62363
LOC1019	6.56684	4.95856	7.04694	5.7106	5.75084	6.41151	6.33001	6.88191	6.14107	7.04784	6.79829	7.43844	5.76339	6.95347	6.88011	6.9069
LOC1019	3.17857	2.84393	2.98152	3.13915	2.36593	3.03288	3.16512	3.27157	2.50218	3.07203	2.66551	2.79123	3.0877	2.95261	3.24403	2.90822

LOC1019	6.91919	6.36978	6.51762	6.80168	6.68879	5.93894	6.85882	7.53012	7.61312	6.24655	7.16235	6.7638	4.55949	4.47605	7.00752	6.8502
LOC1019	3.93705	5.8076	5.80143	5.65728	5.46159	6.18973	6.84415	6.72473	5.19903	6.91674	6.37487	5.62801	6.55613	5.95819	6.10152	6.34228
LOC1019	6.25719	7.42167	7.2112	6.44172	5.37077	6.43785	6.53623	6.07842	6.35595	6.35777	6.38874	7.09619	6.74395	4.90027	4.85535	5.63664
LOC1019	4.21462	5.38965	3.70804	5.69175	5.44316	3.66504	4.61995	5.80439	4.87322	5.20259	5.95247	5.13371	4.96673	5.11666	5.26485	5.75373
LOC1019	6.40488	4.92195	4.06126	4.97034	4.99704	5.96359	5.12739	6.16296	4.16584	3.65408	4.07634	4.22754	6.35449	5.5659	4.05558	4.88285
LOC1019	4.31556	4.50537	4.79439	3.8281	2.71531	1.78116	3.16512	3.88575	2.58986	4.44111	4.905	3.46371	4.12996	4.4695	3.30762	4.5359
LOC1019	6.60518	6.11947	6.06084	6.05854	5.0677	5.68517	6.19774	5.8463	6.22381	6.17178	6.04817	6.23189	6.4138	6.50205	6.09652	5.79273
LOC1019	3.85425	3.23142	5.00742	2.63639	4.73152	4.70491	2.98815	2.67421	5.16507	3.20323	4.06326	4.52724	5.19806	3.9369	4.67557	4.12557
LOC1019	6.28284	5.80184	6.07023	4.65451	6.57468	5.53483	6.98197	6.6557	6.17111	3.8925	6.6595	4.22176	6.91213	7.10858	6.61115	6.32655
LOC1019	6.39361	6.85014	6.80099	6.68534	6.40707	6.80239	6.69086	6.91353	6.53264	6.53433	6.60229	6.82274	6.706	6.40133	6.69731	6.77848
LOC1019	4.31556	4.36917	3.85578	4.26515	3.83175	4.93559	3.71929	4.51056	3.57258	3.62321	4.1725	3.51602	3.68721	3.66246	4.22367	4.32063
LOC1019	5.56126	6.06644	6.40266	5.96305	5.80674	5.11016	6.43909	6.41892	6.62295	6.69812	5.98777	6.64604	6.19705	6.10593	5.52702	5.8754
LOC1019	2.04089	1.44837	1.88755	1.73098	1.26539	1.09519	1.68451	2.2672	2.25875	2.97414	1.41342	1.84666	1.73296	1.78331	1.81049	2.12859
LOC1019	3.78698	4.03498	3.81806	4.18478	5.30524	4.1494	5.2563	5.3264	4.17624	3.75611	4.19874	4.2698	4.44582	4.1099	4.10265	4.4838
LOC1019	5.86108	6.55645	6.67304	6.46539	5.73276	6.57895	6.77506	7.16207	6.63564	6.73346	5.8637	6.07849	6.80553	5.94499	6.83673	6.19705
LOC1019	4.47585	0.89181	4.86471	4.71865	0.34005	3.67619	4.02856	4.30714	4.11778	4.3268	4.47417	4.37803	2.31554	4.43638	4.50446	5.1755
LOC1019	3.31017	2.91316	2.38251	1.16965	1.64332	2.58692	3.08298	2.21132	1.98342	1.96807	3.52473	3.07028	2.8623	2.05268	2.95994	1.15718
LOC1019	4.29087	5.4378	6.31181	5.92215	6.01189	6.36574	6.44576	6.97815	5.95652	6.42388	6.13804	5.94021	6.52517	6.11077	6.13206	5.96484
LOC1019	6.09165	6.00736	6.08625	6.34219	6.41497	6.22214	6.77286	6.99749	6.78897	6.99855	6.29119	6.61432	7.23795	6.80069	6.8277	6.41785
LOC1019	3.23662	3.67703	3.20427	5.05502	2.10233	2.42212	4.85299	2.91144	3.17124	2.98998	2.90046	4.2645	5.17844	5.29145	3.41773	5.00386
LOC1019	5.70446	5.50223	5.15599	6.1566	6.90832	6.66787	5.0271	6.35285	5.11766	4.29458	4.49355	5.46197	5.74785	6.68544	5.90124	7.31288
LOC1019	7.37266	6.94884	7.58901	7.59121	7.06567	7.0793	7.06635	7.45844	6.59019	7.29772	6.77024	6.65352	6.75946	7.4192	6.61557	6.69783
LOC1019	5.76629	7.26516	3.82769	6.46259	6.54256	6.46572	6.43909	6.89597	5.48503	5.91108	5.89465	5.9213	6.67581	5.95153	6.05243	6.16473
LOC1019	5.60332	5.59446	5.4513	4.84774	4.95382	5.45089	5.27542	4.58601	4.46917	5.06097	5.46456	4.13105	4.66581	5.25618	5.95732	5.76606
LOC1019	4.39937	3.85394	4.49114	3.85758	3.78235	4.12592	4.58656	3.45352	5.23193	4.25792	3.70318	3.68084	3.90551	2.91144	3.37408	3.75934
LOC1019	4.45264	4.3801	3.0591	4.66453	4.20446	3.6144	3.00912	4.62117	2.70734	3.68301	3.37552	4.07184	2.88174	4.62104	2.89621	3.80262
LOC1019	7.73397	7.11993	7.92424	7.98311	7.42688	7.30095	7.65545	7.29718	7.36413	7.36287	6.74019	6.77204	6.79474	7.32647	7.38822	7.05041
LOC1019	2.94778	3.34445	3.28947	3.15929	5.02134	3.0658	3.97251	4.93717	3.44034	3.20323	4.46398	4.56642	2.81611	4.27418	3.71862	3.83921
LOC1019	1.96392	2.61396	1.92303	1.67907	2.33881	2.74824	1.73976	1.67907	3.02333	2.69205	2.8192	1.4899	2.54194	2.41572	2.97605	1.62293
LOC1019	5.52799	3.25613	3.76552	2.88071	2.73769	2.45459	2.53476	3.60236	4.74411	2.61134	3.51391	3.16915	2.59488	2.48051	2.881	2.49784
LOC1019	5.74003	6.01669	6.12624	5.27776	5.99529	5.98862	5.75951	5.66058	5.82261	6.34241	5.8416	5.26764	6.30778	6.24994	6.15548	6.15096
LOC1019	2.65839	2.67513	2.74259	2.45536	2.81309	2.89716	2.61298	3.3596	3.31034	2.80132	3.13394	2.64907	2.46016	2.44811	2.3168	2.90822
LOC1019	5.92582	5.94415	6.34544	5.8045	6.90206	6.44543	5.08115	6.86331	6.23669	6.09515	4.93717	6.24308	6.09492	6.04132	5.85419	6.40316
LOC1019	0.73695	0.9589	0.53357	-0.0746	1.84689	2.07394	0.83956	0.01726	1.00765	0.47227	0.31556	1.69916	4.16937	1.78331	1.61881	1.0625
LOC1019	6.45822	6.59641	6.76172	6.46938	5.9728	6.00736	7.29078	7.25848	6.45211	6.32955	6.25249	6.33721	6.58532	6.82928	6.26834	6.2844

LOC1019	4.74756	6.54256	5.97454	5.50934	6.12617	5.96359	6.92863	5.49803	5.57038	6.16561	6.13349	6.29102	5.85266	5.61264	6.12774	6.2594
LOC1019	6.7396	6.41424	4.59156	4.58588	4.08624	4.87162	4.09381	7.15173	5.05288	5.99457	5.11801	7.79783	6.6127	6.2896	4.35703	6.64563
LOC1019	3.97	4.64949	5.83049	5.91346	2.55772	7.41172	6.02667	3.69279	6.03198	4.91332	3.33935	6.0106	6.87459	3.85416	4.00119	3.39583
LOC1019	4.35866	4.24629	4.95701	6.01875	5.72807	5.14737	6.50339	5.73312	6.24391	5.43291	6.28689	6.35935	5.49578	5.23942	5.44837	5.93552
LOC1019	4.53702	3.99153	5.57802	4.22883	4.21924	5.0631	4.77792	4.08791	5.19212	5.15888	4.53449	4.93488	6.42518	5.84738	5.69207	5.90297
LOC1019	4.73822	4.28339	4.73407	4.8333	5.30926	4.63716	5.79032	3.49069	2.83517	4.87162	4.17832	4.03926	5.62746	4.7453	5.2229	4.93639
LOC1024	4.6618	3.32466	5.07767	2.0998	3.45301	3.5373	4.97647	3.25357	1.81152	5.49383	4.2954	2.2743	2.5663	4.73921	3.03267	2.61375
LOC1025	2.30837	3.00618	2.3147	3.73033	2.50418	2.21366	3.76501	2.61382	1.76451	2.63576	2.80891	1.63685	2.8623	2.48051	2.3168	4.09222
LOC1025	6.61649	6.65209	6.45541	6.9799	6.12617	6.80664	5.81987	6.71281	6.26758	6.76762	6.76727	6.56497	7.05075	7.02605	6.47888	6.75209
LOC1025	3.55737	4.36385	3.56191	3.93018	4.07003	5.49591	4.60058	3.90886	4.32957	4.41781	4.19411	4.07376	4.39898	5.26074	4.8404	4.87977
LOC1026	7.20976	7.2034	6.99272	7.2075	7.94249	7.51009	8.14205	7.66014	6.51419	7.3395	6.67625	7.33464	7.92486	8.06777	7.57314	8.22402
LOC1026	7.07014	6.8419	5.52519	5.89493	5.80173	5.47877	5.03203	4.92969	6.36684	3.57327	5.54233	5.22251	4.75769	3.87671	2.65173	4.47486
LOC1027	3.75698	3.59749	2.99564	4.35425	3.53849	3.77609	5.08115	3.86842	3.49474	4.99475	5.02998	5.22251	3.64142	2.93125	5.26485	3.95427
LOC1027	5.37195	4.95465	5.81769	5.38345	5.24068	5.39264	5.52799	5.1459	5.26828	5.61936	4.95972	5.79694	5.54686	5.51437	5.67873	5.3496
LOC1027	3.14636	4.13607	5.39073	5.517	5.58847	3.63988	3.82687	3.92749	3.22752	6.10559	5.76663	5.49559	5.06968	4.13014	4.16718	3.23061
LOC1027	2.44059	3.71942	3.81806	3.1203	4.03498	2.34348	3.86818	3.47335	3.94629	3.3263	3.13394	2.76999	5.22455	3.23061	2.84494	4.70821
LOC1027	5.2904	5.42705	5.16837	4.92187	3.56794	5.48731	5.13292	5.30926	5.48503	2.42411	5.21117	3.72108	5.85541	5.30815	4.97312	5.76606
LOC1027	6.23529	5.74238	5.57585	6.82775	6.21435	6.49484	6.16248	5.48379	6.20022	4.99475	6.37875	6.52299	6.41831	6.72244	5.86066	6.18553
LOC1027	5.4792	5.38715	5.49545	5.95408	4.83558	5.01511	5.81987	5.31438	5.08822	5.67897	5.60346	3.12959	5.71666	5.04615	4.85844	5.72497
LOC1027	6.02057	6.53623	7.42409	6.34698	5.74166	6.22827	6.6076	7.08805	6.77204	6.31931	5.47955	6.28766	6.81597	5.29621	6.20531	6.35062
LOC1027	6.29815	6.44222	6.1118	6.0554	5.72807	6.35595	6.27307	4.32501	6.09438	5.92053	6.14853	6.02886	5.15588	6.34313	5.35772	6.60839
LOC1027	4.9553	4.58555	5.34576	2.81334	5.62849	4.52501	5.37804	5.99145	4.51187	5.52355	4.88503	5.0878	5.7379	5.92496	4.84205	5.8013
LOC1027	6.28624	6.53623	6.7699	5.65354	5.9748	6.32734	6.72093	6.43414	6.58083	5.70745	6.30364	6.745	6.21022	6.51976	6.23891	6.9892
LOC1027	3.02599	3.28675	3.04356	2.88071	2.71531	3.17101	3.03237	3.41422	2.39727	3.49311	3.85459	3.18013	3.37673	3.23061	3.39726	3.49413
LOC1027	6.07473	6.75934	5.95642	6.65726	5.73609	6.45718	2.53476	4.24814	6.41737	4.48115	6.72976	6.45915	4.34627	2.83991	4.52824	4.1399
LOC1027	1.87757	3.42761	3.1811	2.73925	4.22631	3.0658	2.75954	3.02948	2.90046	3.15532	1.98377	2.66471	3.19903	3.6144	2.04035	1.77343
LOC1027	3.41112	5.33296	3.82769	2.34348	4.6615	4.63716	5.2912	3.66599	4.64364	4.44111	3.45744	5.51639	5.69186	4.18663	5.04974	2.61375
LOC1027	6.39199	6.27391	5.97254	6.28503	5.68373	6.1695	6.22158	6.17633	5.6132	5.6662	6.09397	5.88076	6.15519	6.0104	5.97678	5.69738
LOC1027	4.88056	1.58173	3.30294	4.80453	4.12453	4.83812	4.26699	1.96139	4.6793	4.90621	4.36917	2.15748	4.92092	4.03667	1.6611	3.88705
LOC1027	3.84315	3.12278	5.25119	3.99755	4.01012	3.83233	5.91547	5.05573	3.06765	3.20323	4.83644	3.9549	4.11891	5.72006	4.56108	3.6935
LOC1027	5.11171	6.34341	5.97829	5.517	5.35918	5.64632	3.818	5.69472	6.18427	4.20362	6.09857	6.0127	6.75946	5.55549	4.77103	4.06288
LOC1027	3.48571	1.35876	4.36468	2.40724	3.07162	2.97137	3.14316	2.17246	2.39727	3.26858	2.63321	3.7042	3.78698	3.47687	3.24403	1.77343
LOC1027	6.06123	5.81135	6.1178	5.45483	5.82627	5.5118	5.43734	6.37566	5.7325	5.95827	5.36141	5.363	5.64247	5.65647	5.40039	5.73413
LOC1027	4.85757	6.1983	6.07023	5.41719	5.43196	3.22527	2.81469	4.65546	5.6132	5.80309	4.56115	4.97252	2.96494	6.36872	2.86345	6.9017
LOC1027	5.96988	4.1932	3.84282	3.73033	3.73869	6.1194	5.74052	5.27601	5.40317	3.80685	4.63208	5.45382	5.68275	5.72006	5.48108	6.32107

LOC1027	5.16345	5.42705	5.44533	5.9265	5.78811	5.74089	5.97965	5.61233	5.92206	4.27479	5.87372	5.1725	5.63427	6.38629	5.8839	6.23587
LOC1027	4.80682	4.59974	6.10547	4.80453	4.45424	4.56925	5.6459	4.79956	5.59723	5.97829	4.67236	4.84165	6.2141	4.54858	6.72174	4.9875
LOC1027	3.16429	2.67513	3.68203	2.00313	3.81865	3.37812	2.45415	2.43067	2.07939	5.29139	2.3203	2.97562	3.51845	2.88516	2.43868	1.37509
LOC1027	3.41112	3.35252	2.65267	1.77186	2.97095	3.09851	1.73976	1.91261	2.18568	2.19868	3.33935	1.19537	1.93701	3.42962	3.13607	2.01298
LOC1027	4.55321	6.23163	5.36067	5.18956	4.48291	4.95513	5.22744	5.36903	4.96412	5.02266	4.78714	7.10829	4.94479	4.95783	5.03144	4.82631
LOC1027	5.37837	4.77515	5.17157	5.1084	5.27234	3.33634	4.05033	5.08644	5.43789	4.19403	3.16885	2.97562	5.64923	3.49255	3.78253	4.68891
LOC1027	2.34348	3.75879	3.55141	3.45327	3.09072	2.34348	1.80024	3.6374	3.66585	3.20323	3.16885	3.55262	2.73615	3.34999	3.21508	3.73803
LOC1027	7.57059	7.322	6.97236	7.43803	7.33098	7.22163	6.80609	7.88862	7.17188	8.0016	7.50807	7.10574	7.82162	7.79386	7.01184	8.30889
LOC1027	1.26457	2.07729	2.07548	3.1994	2.58828	2.63321	3.14316	2.70064	3.09248	2.69205	2.48014	1.94688	3.12086	2.48051	1.22113	2.12859
LOC1027	3.50034	5.72913	2.74259	3.13915	3.93705	3.601	2.61298	3.15288	3.00175	2.80132	3.41787	1.97567	3.19903	3.16811	2.56931	4.08624
LOC1027	7.64689	7.58461	5.60592	7.25098	6.21586	6.07505	6.99133	6.02598	6.56658	5.61082	6.69137	6.62616	7.58986	6.78761	6.25289	5.80234
LOC1027	5.20479	3.83303	5.27509	4.40668	5.85003	5.55912	6.49304	4.94439	5.46528	6.2132	4.15843	6.75972	2.68899	5.08103	4.56108	6.75482
LOC1027	6.43366	6.57598	6.55313	6.81113	6.5702	6.77732	6.96702	6.81365	6.18646	6.68938	6.41254	6.57554	6.73909	6.82116	6.28062	6.475
LOC1027	6.17343	6.49089	6.43699	6.58254	5.87497	5.73754	6.95859	5.81871	6.31886	6.22424	4.77111	7.03198	5.88189	6.11483	6.3105	6.3998
LOC1027	2.44059	2.51658	3.90511	2.88071	3.35289	3.391	2.45415	3.29115	4.09292	3.73393	2.27492	2.48941	2.49591	3.19708	2.52969	2.5569
LOC1027	5.62059	5.60583	5.90568	5.7533	5.90098	6.4803	6.20735	6.05868	6.20487	5.98834	5.83329	5.72755	6.91856	6.40133	5.11379	5.68579
LOC1027	5.98842	5.32145	5.42618	5.61494	5.01851	5.1023	5.06794	5.71939	5.69964	6.03493	5.879	5.81884	5.98945	5.68975	6.06808	6.2284
LOC1027	5.91716	4.534	5.41719	5.16352	6.04946	4.92233	3.20323	6.03632	5.15933	5.82281	4.9112	4.41586	5.92496	3.6144	5.25562	5.5419
LOC1027	2.63482	2.41683	3.11137	2.83422	2.50418	2.78532	3.12496	2.78286	2.58986	2.19868	2.63321	2.41615	2.75699	2.48051	2.50999	2.88582
LOC1027	7.55185	7.69395	8.35093	8.23325	6.97373	8.57771	7.97147	7.70121	7.02591	8.04634	7.24828	7.34416	7.80903	8.03892	7.68718	7.68471
LOC1027	4.41574	3.28675	2.93758	3.1994	2.50418	2.60961	3.74769	2.46648	2.64558	3.07203	2.64984	2.89774	4.05757	3.87671	2.54889	2.86424
LOC1027	5.75738	6.24408	6.06384	5.46928	7.48595	5.54525	7.43168	5.8726	5.81758	5.7037	5.99873	5.46025	5.53039	6.2813	6.25061	8.57084
LOC1027	1.87757	4.12453	4.33416	4.82835	3.36671	4.59455	5.42167	5.66963	3.46459	3.53934	4.43705	4.96683	5.46165	5.10272	4.71918	4.65128
LOC1027	3.42813	3.54594	2.33881	2.25844	3.33875	2.89716	2.78886	2.67421	4.59228	3.2328	2.15913	4.29394	2.81611	2.37224	2.94685	2.49784
LOC1027	5.59803	6.15028	5.98741	5.93903	6.40707	4.89474	6.9158	6.8657	5.93654	6.69435	6.42298	6.40411	5.49578	6.56799	6.26213	6.62481
LOC1027	4.73822	3.82382	5.62027	5.38794	5.80173	4.98736	4.83835	3.84143	4.24836	6.06344	3.80883	4.70518	3.62729	5.34223	4.69327	5.58353
LOC1027	7.1349	7.29756	7.50536	7.2533	7.45494	7.5453	7.9021	8.60425	7.17305	7.74368	7.6227	7.18801	7.61336	7.81452	7.49239	7.82597
LOC1027	1.11909	5.36891	2.02586	2.38778	1.84689	1.81697	1.54854	2.88789	2.53538	2.5437	2.73426	2.83233	2.96494	1.27177	1.44837	2.04035
LOC1027	2.81334	3.76552	3.38079	4.17431	2.0729	3.4746	1.37571	2.13755	4.46917	2.63576	1.63512	3.16915	2.42653	2.57571	1.6611	2.34348
LOC1027	2.83473	3.60842	4.13924	3.50564	3.35289	3.5856	5.1554	4.89413	3.40648	5.84725	3.3963	2.48941	3.0877	5.24887	4.36887	3.41778
LOC1027	5.38994	3.18041	4.95701	4.34058	5.66533	6.25512	6.48329	5.59425	5.75622	6.14608	4.73192	4.92917	6.37512	5.4626	6.11334	5.04401
LOC1027	4.39937	3.47417	5.34226	7.5808	3.24511	4.33729	3.55696	4.24814	3.33041	5.96774	6.66101	6.23393	5.12757	6.93693	6.16815	2.47807
LOC1027	1.70087	2.41683	1.52785	2.43076	2.18367	1.995	1.54854	0.97208	1.69898	2.5437	0.99002	2.04143	2.2085	2.18939	1.1668	1.51008
LOC1027	7.32622	6.87934	6.56664	7.13305	6.28062	6.04194	6.3927	7.16938	7.58413	6.96694	5.92496	7.16051	6.85535	7.45647	6.24	6.73759
LOC1027	3.26635	1.35876	4.8528	1.89139	1.88842	2.91286	4.25853	2.43067	3.02333	1.49394	4.03549	2.79123	3.68721	2.18939	1.08679	2.34348

LOC1027	5.81438	4.796	5.75684	5.15859	5.93903	5.50032	5.60069	5.48131	5.7174	5.22723	5.19838	5.90047	5.80706	5.35416	5.39705	5.90396
LOC1027	6.26946	5.95677	6.23449	5.55949	5.8529	6.71622	6.86547	7.30469	7.01125	6.3829	5.74472	6.73719	5.72346	7.21428	7.65344	6.38529
LOC1027	7.17199	7.96389	7.72074	7.77471	6.74952	7.48235	7.39688	7.33157	6.65275	7.24063	7.07946	7.02785	7.30112	7.78725	6.74745	7.6348
LOC1027	2.58692	2.72769	1.3689	2.69863	2.29738	2.45459	3.3753	2.43067	2.03262	3.34275	3.15604	3.33905	4.07063	2.93125	1.6611	5.65157
LOC1027	3.94748	4.02672	3.9258	4.02962	3.89996	3.8966	4.21561	3.81494	4.00589	3.98113	4.12946	3.81618	3.82075	4.52704	4.09448	4.36368
LOC1027	6.34682	6.41424	6.44881	6.33134	6.77644	6.80357	6.68416	7.21986	6.57608	6.87868	7.1297	7.0472	6.91702	7.16136	6.59181	7.00647
LOC1027	6.2478	5.10993	5.03914	4.86331	4.35974	4.91415	3.89026	4.13045	4.70432	5.02266	5.14857	5.55526	3.91647	4.69923	4.97312	2.01298
LOC1027	2.85784	2.84393	2.75954	2.0998	2.50418	4.71726	1.68451	2.91144	3.85447	1.96807	4.3923	3.04581	3.67703	2.37224	3.71004	2.53538
LOC1027	3.73406	4.71747	3.94585	4.47048	4.58067	5.59245	4.22754	5.20188	5.0773	5.41838	4.96638	3.10037	4.34627	4.40268	2.70965	5.49205
LOC1027	6.22022	6.50434	6.69878	6.66684	5.80959	6.34388	5.09806	6.44906	6.90431	6.06344	5.12489	6.63771	6.35743	5.741	6.55846	6.60618
LOC1027	2.61145	1.44837	3.15379	2.184	1.54197	3.67619	2.23396	1.22235	3.02333	1.5458	2.52439	2.94469	5.24633	2.54935	3.08134	2.38828
LOC1027	5.14857	6.81125	6.30551	6.60156	7.0208	7.22695	6.26996	6.95233	7.28099	7.12136	3.51391	6.86492	4.0405	5.55115	5.92343	5.93164
LOC1027	5.57066	5.87597	4.83635	6.22079	4.71122	6.56571	6.1209	6.42113	4.45043	5.18133	5.2068	5.71442	6.21895	4.95044	5.17157	4.27841
LOC1027	2.81334	3.98362	4.22871	2.50291	2.58828	3.25596	2.58845	3.43351	2.64558	4.82316	2.45719	2.01179	2.5663	2.18939	3.38625	1.62293
LOC1027	4.98404	4.55696	4.026	5.08609	4.00401	4.38024	3.94849	4.27613	4.2082	5.47132	5.30969	4.85258	5.47935	4.58025	5.44837	6.43737
LOC1027	3.72099	3.42761	4.11758	4.58588	2.85371	3.20546	2.53476	2.55884	2.83517	5.09188	2.68367	2.91196	2.7752	5.23587	3.50176	5.476
LOC1027	4.0831	4.07403	3.97828	6.20242	4.94911	3.98206	3.74769	5.94733	3.81646	3.29126	4.56115	3.55262	3.71375	4.03667	3.78253	4.09222
LOC1027	5.28282	6.02361	6.2047	5.97448	4.4489	5.90903	4.81992	3.66599	6.17896	3.50939	3.88263	5.96658	3.73495	5.69164	5.9813	5.66749
LOC1027	4.69157	2.51658	3.22117	3.15929	2.97095	1.995	3.08298	3.21508	2.67969	2.69205	4.51992	1.97567	3.17825	3.07586	3.36098	2.31622
LOC1027	6.75866	6.61197	6.93283	7.05931	6.40172	6.6594	6.77506	6.13354	6.48549	6.545	6.41069	6.89365	5.76339	6.4173	6.43433	6.68208
LOC1027	4.04247	3.52573	4.43096	3.87736	4.59036	3.76182	3.14316	4.28482	4.37613	4.09007	4.59792	3.6339	4.36086	4.62104	3.97261	4.22209
LOC1033	5.2775	4.40668	4.91796	5.3091	5.21228	4.7668	4.99931	4.25669	5.98551	5.6662	5.59123	3.58062	5.01701	5.84102	6.97868	4.61957
LOC1429	2.72538	2.72769	3.08807	3.00618	2.53024	2.31052	3.32901	2.52957	2.76258	2.72148	3.21922	2.2743	3.23246	3.16811	2.69546	2.26153
LOC1454	4.84742	3.06378	6.10036	5.20417	6.37844	6.14209	3.55696	5.93164	6.10723	6.01933	7.07381	2.81338	4.38612	3.68528	5.13431	3.54848
LOC1456	5.08775	3.72982	4.33416	3.95382	4.01874	3.5856	3.77935	3.85505	3.86642	3.87941	3.77904	3.85447	4.44582	4.21305	3.84644	4.22871
LOC1456	3.44273	3.57431	5.83775	5.54883	3.61465	4.4329	4.19082	6.33053	6.42945	3.39891	4.08209	5.73131	3.10377	5.22492	3.81591	3.20278
LOC1458	4.42968	4.49472	4.05647	4.5052	2.53988	4.5915	4.0916	4.21355	4.25052	4.62298	4.20237	3.65286	4.41283	4.06073	4.15633	3.981
LOC1458	3.20944	4.00768	2.86268	5.82067	5.18876	3.54848	5.03767	5.8816	3.5404	4.10188	4.08852	4.12427	5.74785	3.70919	4.40237	5.14578
LOC1459	4.66752	4.01765	4.58359	5.0714	5.21228	5.66243	5.65267	4.65546	3.95837	4.5431	6.29208	3.25228	5.65374	5.78705	5.4872	4.2082
LOC1465	3.75698	5.58299	6.20579	6.19167	5.55298	5.049	4.93154	3.06557	4.96412	5.20259	4.47005	4.61987	3.46411	5.26764	5.94111	5.41552
LOC1467	5.09335	4.04274	5.78238	4.12191	5.36162	4.73519	3.49217	6.00675	4.99837	5.16393	4.22933	5.16402	4.46842	5.62176	4.42805	3.80861
LOC1468	6.00079	5.88338	6.35231	4.92554	5.03697	5.12208	5.4639	5.34584	5.15063	6.12594	5.15199	5.44954	4.81808	5.78483	5.2924	5.37627
LOC1470	5.62708	6.46905	5.66737	6.33134	6.36582	6.51684	6.24136	6.99367	6.58522	6.63446	6.62461	6.6117	6.46809	6.58754	6.48524	5.93552
LOC1477	2.61145	4.41154	4.92884	5.08609	4.93594	4.92233	4.55321	4.16157	5.12092	6.0027	5.01746	4.02412	4.92663	5.14737	4.06086	5.06122
LOC1484	7.48663	8.44211	8.06643	8.05665	7.18675	7.99743	7.77224	7.67251	8.09491	8.03847	7.76557	8.12453	7.2774	8.30082	7.99636	7.44322

LOC1486	4.75761	3.28675	5.10007	4.42997	2.9933	4.34547	4.75355	5.18831	3.90229	5.08644	2.21379	5.22251	2.59488	1.84505	5.92467	5.04116
LOC1487	3.04535	5.48313	5.76173	4.48486	5.35171	4.68499	2.88209	5.23337	4.5431	4.94262	4.81597	5.46517	5.33097	5.57489	4.79823	4.92816
LOC1493	3.29685	5.0097	2.44429	2.22193	-0.133	3.79752	4.27634	3.19037	0.12919	0.33356	0.31556	-0.5828	4.07063	-0.3633	3.97261	0.80062
LOC1493	7.07592	7.0793	7.27783	6.94714	6.82399	6.83501	7.25345	7.67668	6.7877	6.65447	6.75806	7.27556	7.24572	7.24743	7.24674	7.27991
LOC1497	4.76359	5.81537	5.32616	5.74926	5.33875	5.78654	5.86149	4.51886	5.33269	5.67434	5.63764	4.35575	4.66581	3.19708	6.17169	6.30604
LOC1500	5.78459	5.12344	5.58353	5.0217	5.41796	4.82547	5.55712	5.12719	5.16611	5.20104	5.84642	5.37537	4.62788	5.79724	4.94472	5.72477
LOC1500	3.68019	4.33402	2.00164	1.55195	2.9933	2.78532	2.81469	1.79233	2.97568	2.77263	2.27492	1.67664	3.80685	2.82083	2.56931	2.76844
LOC1511	2.44059	2.84393	2.98152	1.85049	3.07162	2.18538	3.14316	2.58708	3.33041	3.42914	3.18189	2.29689	2.42653	2.41572	2.00801	2.01298
LOC1511	5.54724	6.32617	6.04339	5.83848	4.65407	5.87738	5.81987	6.21237	5.67537	6.3127	5.28638	5.29032	5.74166	5.30223	5.6169	6.08805
LOC1514	5.79778	6.38496	5.91082	5.77035	5.97782	5.448	6.62111	6.59641	4.36917	6.00788	6.52595	6.132	5.40574	6.1571	6.31646	6.19381
LOC1516	5.3204	5.90903	6.37566	6.08039	5.73855	5.49311	4.7616	5.65251	6.60078	5.37429	6.22536	4.73576	4.96673	5.64899	3.92173	4.98009
LOC1517	3.57604	3.52327	3.45216	3.24843	3.86323	3.41197	3.53272	3.20291	3.93923	3.86261	2.47062	2.4562	3.27496	4.48226	4.06264	2.77727
LOC1522	6.47995	6.92733	5.69888	6.56474	5.75909	4.84284	5.41755	5.8842	6.57832	6.61572	5.79032	5.86232	7.01773	7.0306	6.16508	6.08232
LOC1522	3.23662	4.94996	5.12092	5.03667	3.93705	4.27251	4.07312	5.23337	4.29487	3.87941	3.33935	3.64264	4.64622	5.08103	4.03892	4.7519
LOC1525	3.82982	4.17704	1.85463	3.65448	4.01012	2.07394	2.8619	2.40011	3.11326	3.53934	3.38676	2.34474	3.57524	2.95261	3.23099	3.31065
LOC1525	4.44009	4.98989	5.19266	4.74829	5.12472	3.42836	3.98737	5.56338	2.28837	4.73279	5.30804	4.42289	5.45858	5.51937	5.32247	5.67461
LOC1535	7.93762	7.59004	6.16281	7.41188	6.6623	6.1695	6.34043	7.23955	6.23669	7.10697	6.18254	7.49784	7.09901	4.69923	6.10622	6.31186
LOC1535	2.50129	2.95972	2.75954	3.28542	1.93871	1.26539	2.96225	1.31605	2.50218	1.59139	2.10233	1.54854	2.94778	1.4403	2.70965	2.63794
LOC1536	6.94323	6.50922	7.11055	7.16742	6.53612	6.61048	6.40146	6.81937	6.48408	6.37311	5.78351	6.6845	6.41831	6.25615	6.99978	6.40584
LOC1536	6.51464	5.42705	6.02659	5.94126	3.94739	5.96359	5.45881	5.64102	5.87771	5.59155	4.85587	4.47148	5.5025	5.51437	5.76606	5.81769
LOC1539	4.1934	5.7837	5.16594	5.37588	5.01197	5.20294	6.9158	5.7594	5.72034	4.27479	6.14693	5.91684	5.76673	4.58936	5.8045	6.40934
LOC1547	6.65734	6.18578	6.8537	6.83931	7.34287	7.04587	7.03789	5.76347	6.65275	6.23462	7.31093	6.1153	7.30433	6.42461	7.18606	4.61957
LOC1548	5.19341	5.1248	4.78468	5.43831	5.00713	5.69186	4.84572	4.82189	5.63434	4.05738	4.60207	5.76354	5.14236	5.23942	5.0222	5.56832
LOC1550	7.3591	7.29882	7.28193	7.52127	7.52876	7.63628	8.32241	7.66374	7.18699	7.66223	6.6374	7.689	4.75769	7.9156	7.46976	8.09465
LOC1572	4.50587	3.64857	5.52519	3.8462	3.22566	5.31891	3.63379	4.62117	3.75611	4.13002	3.64434	5.88329	5.90026	4.40268	5.0902	3.55993
LOC1575	6.57122	5.69663	7.8327	5.95408	7.19625	6.67853	6.94509	7.1455	5.69444	6.75415	6.19189	6.45376	5.98237	6.86345	7.58505	6.03639
LOC1577	3.04535	1.49036	3.72982	5.46207	4.47054	5.00186	2.70047	3.32868	3.04535	3.13394	4.5939	4.33523	4.78274	4.51886	4.26797	4.08624
LOC1578	5.41227	3.82382	4.07777	4.58019	3.16569	4.11531	3.08298	3.84143	3.00175	4.25792	3.8925	3.96659	5.4874	3.33112	3.83184	4.39898
LOC1579	3.28382	3.74825	3.04356	3.46996	3.85505	3.601	2.78886	3.74908	4.15582	3.25068	2.38828	3.49365	4.19674	3.34999	3.10868	2.31622
LOC1584	6.9079	6.01454	6.40384	7.17188	5.96388	6.29087	3.818	6.65137	3.72995	6.70305	6.54378	4.14691	6.28592	6.86345	6.74447	7.14827
LOC1584	4.17798	6.10602	3.27793	4.73609	4.30494	6.28086	5.83954	5.30926	2.39727	5.36656	4.82998	4.49971	4.88674	3.58891	4.91109	6.04147
LOC1589	10.1309	9.36239	8.54327	9.55408	8.10604	8.92195	8.28667	8.30473	8.56737	8.90524	8.2869	9.42357	8.92195	7.93959	8.18753	8.45287
LOC1720	1.74742	2.72769	2.02586	3.1203	3.80647	4.95972	4.46025	3.86842	3.90229	3.15532	2.56627	3.16915	2.17097	4.57214	4.41729	2.12859
LOC2006	6.39199	5.86096	6.58244	6.15228	6.90431	6.0237	6.76152	6.66787	5.97794	6.79978	6.31431	6.26067	6.7229	6.33371	7.01068	5.52251
LOC2007	3.19594	2.18884	2.63513	3.38369	2.10233	2.67969	2.3531	2.55884	3.45216	2.31329	2.43603	1.94688	2.73615	3.0362	2.10058	2.22886

LOC2008	2.79297	3.85394	3.84282	3.86957	4.26628	4.55142	4.67019	4.00856	3.11326	5.12708	1.7041	3.26763	2.52228	5.48108	4.7519	3.44273
LOC2020	7.86047	7.19566	7.16848	7.7158	8.1697	8.49644	8.16657	8.29871	7.54401	7.65666	6.89314	8.57691	6.58532	6.82376	6.10921	7.26162
LOC2021	4.20714	3.79392	4.10879	4.08394	4.46917	4.76339	4.4005	4.05581	3.50511	3.96263	3.46771	4.31728	4.18221	4.25647	4.49209	4.43882
LOC2196	4.09491	4.12453	4.19043	4.52648	3.61465	3.68688	3.73393	4.27613	3.74437	4.17211	3.80883	4.08018	3.68721	3.85416	3.58891	4.2654
LOC2196	5.99359	5.9226	4.10455	5.49937	5.73855	6.16175	5.41755	4.51886	4.98761	4.36468	6.20342	4.79894	5.15588	3.62944	5.72953	6.15224
LOC2200	4.99307	4.6711	5.29857	4.46802	5.53655	5.0511	5.72034	5.03273	4.52326	4.40913	4.67844	4.71588	5.06334	5.65081	5.08766	5.84691
LOC2211	5.72995	5.58467	5.6286	5.03387	4.90556	4.8415	5.93022	5.57813	5.97543	5.66879	5.8311	5.94284	5.53879	5.30388	5.13074	5.66285
LOC2212	6.33967	6.46809	6.40779	6.6651	6.52754	6.72968	6.75699	6.59641	6.26239	6.41416	6.41254	6.57977	6.60987	6.77836	6.52829	6.7533
LOC2218	5.98312	3.30026	4.43529	4.58019	3.86774	5.60149	3.55696	5.90655	4.39183	4.21305	3.93173	5.29334	5.91468	5.88688	5.51058	5.74611
LOC2219	6.08725	3.34445	5.1165	6.27917	4.33348	5.85906	5.62032	6.27029	4.4546	3.86818	5.1842	5.28666	5.60245	5.16038	5.9209	6.02794
LOC2530	6.51608	6.26204	6.05319	6.2742	4.20446	5.80912	5.86149	5.77151	5.48503	6.27668	5.59376	4.99448	5.89672	5.61264	5.72572	5.47426
LOC2535	5.82837	5.06524	3.26549	4.89377	3.29261	3.391	4.50617	4.40791	4.90488	5.61082	2.52439	2.76999	3.38837	5.04615	3.6535	3.73803
LOC2538	3.69182	5.31895	4.8059	5.28498	4.70279	5.49044	4.61995	3.25357	4.00589	3.34275	4.9748	3.03309	4.11891	2.37224	4.13924	4.07003
LOC2540	2.79297	1.9808	2.29132	2.28551	2.58828	2.45459	3.29192	2.46648	2.18568	1.78758	1.79233	2.13113	3.23246	2.54935	1.08679	2.51437
LOC2540	3.79639	3.87677	4.11758	3.8167	3.76997	3.79752	3.90378	2.37778	3.85447	3.46275	3.7868	3.04581	3.85528	3.52815	3.47504	3.61186
LOC2551	1.64611	1.74177	2.38251	2.0998	2.55772	1.78116	2.63794	2.52957	1.45473	2.01376	1.74872	1.73861	2.7752	2.54935	2.26702	2.31622
LOC2556	3.42813	3.71942	3.85298	3.13915	3.42572	3.17101	3.14316	3.76379	2.81157	3.37812	2.38828	2.36593	2.7137	2.97219	2.49591	3.07505
LOC2571	7.62309	6.26996	6.27834	6.8352	6.02941	6.74484	6.29926	6.08384	6.73719	6.79481	6.06626	6.22315	5.92035	7.38979	6.39835	6.25266
LOC2573	6.60342	6.64708	6.08478	6.95994	5.81537	6.56664	6.35462	6.10464	5.39064	6.82394	5.54982	5.60777	5.72983	6.48874	6.40392	5.93015
LOC2806	5.9804	6.97063	6.58754	6.91547	6.44056	6.37469	6.79271	6.77343	6.80168	7.43254	6.41816	6.49097	6.11583	6.88173	6.56859	6.74887
LOC2830	3.59987	2.26456	3.807	4.14041	1.97947	2.51251	4.22754	3.73495	3.11326	2.34717	1.63512	1.87757	4.16937	2.83991	4.67029	1.73976
LOC2830	6.42499	6.8106	6.16037	6.82623	6.20911	6.26164	6.14202	7.10916	6.7551	6.16456	6.57044	6.30604	7.02452	5.98051	5.2306	6.63893
LOC2830	7.56307	7.8749	7.52561	8.1843	8.11503	8.17086	7.56421	6.04891	7.7158	7.16525	6.29087	7.2218	6.35895	7.8583	7.97105	6.13206
LOC2830	3.95382	4.07722	5.19152	3.40263	3.8144	5.60047	4.80845	4.2448	3.96497	4.07403	3.27385	3.7479	5.00186	4.49127	4.211	4.59703
LOC2831	3.47335	2.21392	4.47847	1.33008	2.58828	2.81599	1.68451	3.67908	2.22165	2.44811	3.53424	1.122	2.68899	1.78331	2.56931	4.389
LOC2831	5.29504	5.43189	4.84933	5.24763	4.67601	5.14958	5.84712	5.26452	4.72699	4.65451	5.22391	5.78941	6.31515	4.78664	6.07687	4.98805
LOC2831	3.23662	3.92591	2.88071	2.52969	2.81309	2.95599	3.40901	4.75563	2.90046	2.88148	3.74792	3.81618	4.03129	2.74868	4.45949	3.92452
LOC2832	2.16905	1.74177	2.00164	1.73098	2.63482	1.90997	1.49083	3.27157	2.61941	1.43866	2.6113	2.89774	1.4697	1.5436	1.1668	2.4366
LOC2833	5.38528	1.9808	5.26567	5.73502	3.57987	4.72913	4.23557	5.24814	3.9348	4.41097	5.10961	4.93905	3.37673	5.15309	4.18051	3.87671
LOC2833	3.6751	4.80725	4.63097	4.98359	4.55333	4.45472	5.21894	4.33276	4.481	4.01284	4.30999	5.09328	5.65432	4.9467	4.80177	4.61234
LOC2833	5.78934	5.75797	7.01252	6.70289	7.18387	7.13034	6.76152	5.73575	5.87249	5.96497	6.41956	5.12821	5.96219	6.88557	7.63463	6.01067
LOC2833	5.78082	5.92461	6.64245	5.54883	6.07446	6.22635	6.92327	6.05436	6.63893	6.40916	6.12395	6.14157	6.39618	6.44906	6.71414	6.44565
LOC2834	3.85425	2.59102	5.25119	3.10053	2.71531	3.0658	2.06028	5.21149	4.9172	3.55696	3.21922	5.1305	5.30542	3.55944	5.19592	3.75934
LOC2834	6.00298	6.01219	6.25432	6.90821	5.85581	5.28311	5.89465	6.81098	6.89331	7.46877	5.72288	6.44179	6.69377	6.53395	6.03179	6.21098
LOC2834	6.03648	5.62589	5.34226	5.24358	4.46197	4.45963	5.93642	5.39962	5.50616	6.29905	5.33393	6.07264	5.61969	5.80706	6.00788	5.32007

LOC2834	5.00304	5.98842	5.85235	5.56468	5.29804	5.85168	5.84978	4.60638	5.93876	5.60393	4.05318	5.81525	4.51562	5.53684	5.70455	5.80193
LOC2834	7.10564	7.17667	4.95874	6.81688	6.68352	5.41755	6.68677	7.24146	5.92308	5.34835	4.9553	5.97649	4.76854	8.74907	6.64604	7.33233
LOC2835	5.79997	3.50584	5.82134	4.60376	2.42207	2.95599	5.14682	4.72163	3.33041	4.11175	3.13394	4.51613	4.55949	4.42968	4.84645	5.72006
LOC2835	4.88056	5.38715	5.05469	5.68888	5.48441	5.33083	5.95888	5.8816	5.55208	5.63576	6.39118	5.29643	6.25144	5.63022	5.66145	5.97739
LOC2835	6.13578	5.90386	6.58244	6.60677	7.57594	7.00656	5.80714	6.38441	6.61221	7.76686	6.40488	5.58627	6.62571	6.31164	6.6596	6.97709
LOC2836	3.86261	3.50584	3.79811	4.36112	2.91487	3.15165	4.17685	4.19473	2.64558	4.63911	2.80891	3.01775	2.92938	3.27909	4.17392	4.93639
LOC2836	2.48368	2.12789	2.04684	2.15894	2.0823	2.84807	2.12789	2.19799	2.23882	1.99597	1.80599	2.48014	2.38778	1.87477	1.83822	1.88256
LOC2836	2.88015	3.92591	3.49445	3.86957	2.53024	3.6144	4.30475	1.54991	4.70432	3.49311	3.66652	3.42733	3.42036	3.71992	4.88139	2.73131
LOC2836	3.25147	2.10562	3.16713	3.6256	3.35289	3.09851	3.39293	2.61382	2.43603	3.53934	3.64053	2.56799	3.44604	3.42962	2.50999	2.84751
LOC2836	4.63984	4.12155	3.78698	4.73341	4.279	4.98419	4.0351	4.85029	4.89657	4.0065	4.53544	4.12592	5.53516	4.94752	5.27801	4.76205
LOC2837	3.13246	4.79439	5.10579	5.03262	3.16569	3.63988	3.12496	3.21508	3.33041	5.066	4.33293	5.45844	4.24814	4.3596	4.64145	3.85415
LOC2837	5.74238	4.21854	3.20427	4.78392	3.49824	5.00608	5.82427	5.57879	4.21488	5.72724	4.82671	3.15604	3.77256	2.51368	4.37551	5.31683
LOC2837	3.3742	3.63599	3.4133	3.05889	3.49388	3.12868	3.53502	3.39239	3.56378	2.86866	3.68775	3.46594	2.87068	2.64349	3.32744	3.85006
LOC2837	5.4471	4.40345	5.3793	5.22886	5.26311	5.51418	5.65506	4.33201	4.82805	5.04479	4.796	5.15076	5.47117	4.92803	5.17051	4.98786
LOC2838	5.08775	4.42197	4.78184	4.85334	3.98376	4.40473	4.56093	4.70767	5.14845	4.6502	5.29857	4.38384	5.53273	4.65943	3.72694	2.84751
LOC2838	5.99359	2.70876	2.65267	2.72117	2.33881	3.15165	2.39011	3.52249	2.39727	4.75195	3.09709	2.31832	3.02655	2.37224	3.17223	2.63794
LOC2838	4.34781	4.00266	4.17266	4.7581	3.60777	3.85721	5.11427	4.18064	3.45764	3.91647	3.16274	3.22999	4.82965	3.9561	4.03714	2.68743
LOC2839	6.71574	7.32054	6.73791	7.04441	6.59632	6.45718	7.19625	7.08169	7.14818	6.5296	6.56058	7.19897	7.33828	7.20076	6.66569	6.59123
LOC2840	5.60332	6.03198	5.87421	6.235	6.17921	5.35829	5.94871	5.73085	5.44119	6.2531	5.8784	5.15888	5.35044	5.89832	5.56103	5.09318
LOC2840	7.65739	7.78353	7.04151	7.5753	7.57911	7.75205	8.15803	7.38282	7.8419	6.93134	6.9	7.24395	8.36968	8.07849	8.35093	8.12977
LOC2840	4.6969	4.44851	4.41812	3.43394	4.42805	4.43669	5.55057	6.01691	4.57155	4.68542	5.11271	5.27801	5.67672	4.85212	5.1836	3.55585
LOC2842	5.49125	6.3928	6.38982	5.64965	5.58847	7.14627	6.69314	5.77447	6.14896	6.54319	5.89999	6.28766	6.30041	5.98945	6.36505	6.46638
LOC2842	4.00401	3.91554	3.94585	3.52553	3.7606	3.5373	3.3753	4.1207	3.69577	3.09196	3.43836	3.72982	3.30026	3.90216	3.69726	3.39583
LOC2842	6.95611	6.46131	5.19903	6.71949	6.03112	4.41713	5.32594	5.25678	5.7325	5.92053	6.2245	6.40159	5.94952	3.54384	6.11571	6.08232
LOC2842	1.19711	1.40126	1.26539	1.50761	2.10233	1.32117	1.49083	1.04435	1.53958	1.0625	1.41342	1.44837	1.22969	1.4403	2.49591	1.15718
LOC2842	3.32431	3.40176	2.61382	2.4789	2.79083	3.04945	3.3753	2.52957	2.64558	3.21812	3.33935	3.04581	2.7137	5.244	2.54889	3.2169
LOC2843	7.07704	6.91209	6.91353	7.34076	7.91901	6.74566	6.69688	7.65811	6.69077	7.04784	6.79214	7.21296	7.44838	7.06843	7.09158	6.97472
LOC2843	5.18283	5.89502	5.36713	5.48246	5.04627	5.1893	5.45432	6.54687	5.03513	5.38528	6.80155	5.85386	5.50625	6.57677	5.36321	5.37386
LOC2843	5.42243	5.17869	4.39215	5.31891	5.08514	5.20294	4.62693	4.65546	5.34272	4.88336	4.56615	5.18234	6.46401	4.81617	4.95023	5.22223
LOC2845	6.80432	6.90878	7.07057	6.80312	6.63133	6.8514	8.19393	6.79679	6.70524	6.78707	6.76332	6.75866	6.68585	6.69613	6.98163	7.3259
LOC2845	5.69224	5.69362	6.03535	5.97543	5.6595	4.6025	3.69237	5.75171	4.8578	5.39317	4.77009	5.2467	5.63065	4.98727	5.1367	5.54991
LOC2845	3.76841	2.91316	3.79162	5.2261	4.09689	2.48692	3.12496	2.75656	2.88086	4.04734	3.24563	2.95936	2.88174	2.54935	2.65173	3.24808
LOC2846	3.47335	4.51165	4.94613	6.07849	3.84331	4.2936	5.02086	3.19037	4.80597	3.02948	4.35441	4.4103	5.95982	4.75121	5.1764	4.58158
LOC2846	5.3528	4.81438	5.07767	5.41994	5.56689	5.57083	5.6487	5.55993	5.54116	5.50973	5.68938	5.55865	6.00757	5.83086	4.37551	5.89702
LOC2846	3.23662	3.81549	3.43133	3.91668	3.55491	4.0466	3.64382	3.02948	4.19706	3.18735	4.2061	4.37803	3.97703	3.14828	4.09448	5.14155

LOC2846	4.23681	5.37722	3.66785	4.44519	4.23244	3.94518	5.33582	5.6902	3.80815	5.18617	3.70785	4.28339	4.48961	4.60058	4.27754	3.92728
LOC2846	5.14641	4.7795	3.56284	4.20529	3.84025	4.65343	3.98424	5.07366	4.39023	4.27004	4.63759	4.58322	4.45735	5.01027	4.34414	4.72913
LOC2847	6.40488	5.7174	5.64095	5.1084	5.44316	5.84203	4.71726	5.47546	5.59723	6.29245	5.44001	5.09218	3.19903	6.39672	4.56108	6.61933
LOC2847	6.61827	5.34684	6.30722	5.68446	5.14439	5.87276	6.71904	5.34019	4.96412	6.64145	6.13206	6.74566	5.70553	5.63381	5.6968	5.85506
LOC2848	5.45924	4.93789	2.42383	5.28175	2.21727	2.5608	2.1009	2.70064	3.17124	2.63576	1.85273	3.00642	3.47767	2.05268	3.29289	3.01871
LOC2848	7.11937	7.013	6.68551	5.76238	7.75375	7.419	8.02016	7.29882	7.19775	7.39051	6.71343	8.40249	8.31171	8.04043	7.77224	7.20169
LOC2848	2.04089	4.21006	2.40841	1.63196	3.30882	3.03288	2.15094	2.49961	3.2065	3.58913	2.56627	3.58989	2.90755	2.93125	2.81201	3.5127
LOC2848	4.80682	3.92591	4.72271	2.58828	4.51886	4.65553	5.59155	3.49069	5.79752	4.22052	5.23928	2.99228	5.66277	4.98359	5.15918	4.08624
LOC2848	7.26423	7.29882	7.16971	7.44793	6.8336	7.26761	7.8854	7.89435	7.59121	7.3786	6.89627	4.89553	7.91508	7.16051	7.16396	7.29686
LOC2849	5.98551	6.01669	5.31323	5.35874	6.21435	6.60829	5.76368	6.05079	6.11072	5.94782	5.79724	5.88329	5.45118	5.40055	5.74666	5.92292
LOC2849	5.11682	4.73879	4.05393	4.73609	3.83175	4.53909	6.08549	4.30714	5.76872	3.95892	5.42673	5.81694	6.32792	5.69164	5.45936	5.62053
LOC2849	5.45924	4.24629	4.46828	4.70807	4.96323	4.9488	5.05601	5.60468	5.11766	5.19273	5.47559	5.23346	5.26645	5.4378	5.34851	5.7418
LOC2849	3.71123	0.24489	0.53357	4.25955	1.00765	1.78116	3.98737	3.73495	1.1038	1.59139	2.48014	4.27983	1.01457	3.0362	1.81049	2.92719
LOC2850	2.83473	3.1532	5.50588	5.29627	4.87061	4.30957	4.98886	5.81871	4.62638	4.60176	5.35071	5.42908	5.03851	5.12503	5.63729	4.43077
LOC2850	5.06786	5.89702	5.77656	5.0822	5.11124	5.09342	4.87555	5.38853	5.58265	5.44206	5.79976	5.61554	5.32616	5.72006	4.42805	5.71535
LOC2850	2.65839	1.49036	1.13258	1.26539	0.47862	1.09519	1.122	0.82494	2.35886	1.5458	1.48752	0.96901	1.53958	0.8165	0.80062	0.69824
LOC2851	5.97073	5.03573	5.4597	4.73847	5.10984	6.10515	6.73451	6.11535	5.55827	5.86663	5.98551	5.84579	4.4329	3.63842	5.60636	7.03026
LOC2851	5.90876	5.96577	5.80143	5.31891	5.07679	5.45089	5.7379	6.48794	3.59405	5.31378	5.71334	6.0106	5.58559	6.07813	5.24618	5.78757
LOC2851	6.10464	6.55391	5.59525	5.64455	5.51788	6.14856	6.08549	5.22858	6.28785	6.05367	3.86158	5.62501	5.94565	6.2729	5.79464	6.23325
LOC2851	6.99403	7.38616	7.15432	6.50038	6.73522	6.19664	7.33576	7.42028	7.4092	6.01426	6.55926	6.92974	7.20309	7.47541	6.80263	6.22861
LOC2853	5.76238	6.05999	5.80793	6.10744	5.42456	5.16359	6.12808	6.27029	6.1047	5.81071	5.72061	5.27702	5.79876	6.40374	5.60835	5.74894
LOC2854	2.27273	1.7774	1.64561	1.77186	1.80599	1.95254	1.24246	2.40011	1.92414	2.07832	1.85273	0.68341	2.42653	2.22838	1.40126	0.9183
LOC2854	3.87518	3.50584	3.14177	3.25646	2.81309	3.57327	4.3989	4.03022	3.5404	3.18735	3.18189	3.9549	3.66589	3.78375	4.08195	3.85966
LOC2854	2.23882	0.55223	5.06066	4.49557	2.02496	2.42212	1.54854	4.08791	3.50839	2.83032	1.44615	4.90933	3.90551	3.9369	3.50176	3.12132
LOC2855	4.8012	3.89893	4.07133	4.58019	1.26539	3.50802	3.65785	4.52735	2.95663	4.29458	4.81003	4.56642	3.66589	2.62575	4.54565	4.62964
LOC2855	2.72538	1.58173	1.92303	3.42644	3.45301	1.85868	2.53476	1.22235	0.80062	1.87612	2.10233	3.79097	2.7137	2.01506	0.93298	1.37509
LOC2855	2.64592	2.87252	2.88387	2.91301	3.0151	3.0257	3.01834	3.64403	2.1617	2.5929	3.08987	3.33071	2.84996	2.63689	3.04099	3.26871
LOC2856	2.40819	3.38769	2.88071	5.00175	3.45301	2.88086	2.53476	2.43067	2.53538	2.44811	3.55809	3.12959	2.92938	4.91553	4.28892	1.21992
LOC2856	6.19203	4.92195	4.15658	6.23022	5.96388	5.94701	6.16473	6.45211	6.09939	6.69812	5.47001	6.37487	5.08514	6.59011	7.03819	6.19135
LOC2856	4.23705	5.50341	4.79002	3.76651	4.17094	4.80362	4.33389	4.75966	3.79811	5.10681	4.42997	5.07257	4.38357	4.10622	4.23043	5.41393
LOC2856	5.09335	5.86534	5.76173	6.12617	6.07822	6.38025	5.37133	5.88688	5.85107	6.23123	5.81383	5.67321	6.53972	6.38308	6.21622	5.93916
LOC2857	3.8649	4.99814	4.44723	4.2754	4.23734	4.08441	3.34078	4.27206	3.72029	5.0014	3.25118	3.47956	3.62493	3.75132	4.40651	4.61373
LOC2857	4.15633	3.52573	4.23911	5.87754	3.95816	5.37312	5.24432	5.30926	5.21762	4.30135	4.57799	5.58973	5.52441	4.70657	4.30494	5.42382
LOC2857	3.41112	3.66604	3.75788	3.1994	3.29261	3.97251	4.11808	4.63743	2.5663	2.5437	2.88166	3.60204	3.36189	3.77151	2.72952	3.41778
LOC2857	3.41112	3.4933	3.75788	3.54894	4.91541	4.08037	3.42552	4.38366	4.5431	3.82085	3.62297	5.9736	3.8683	3.99364	3.70234	3.96332

LOC2858	7.67409	6.70583	7.65092	7.58901	6.71266	7.12268	8.20839	6.96157	7.33026	7.33464	7.8236	6.36574	6.31284	5.67663	6.5702	6.28554
LOC2858	4.25043	5.09413	5.12923	3.10053	4.85449	4.83812	5.54772	4.65546	5.29255	5.68265	5.46764	4.22754	5.5025	4.55761	5.30736	5.00386
LOC2858	3.94028	4.23557	4.54821	3.9922	5.13261	4.67471	4.39747	5.16681	4.51562	4.02856	4.709	5.28144	4.82646	4.32095	5.55676	5.20768
LOC2858	5.80692	5.13199	5.05836	5.09667	5.52099	6.03673	5.53505	5.34947	4.74411	4.68824	5.16821	4.97617	5.63427	6.19154	5.42382	4.74709
LOC2858	2.00108	2.13825	3.14177	3.95382	2.71531	4.50567	3.0573	2.55884	2.35886	3.07203	3.05202	2.69934	3.25147	2.88516	2.63378	4.68101
LOC2859	5.08775	6.76579	5.8266	5.22998	6.25144	6.78227	5.16804	6.06247	6.17896	5.72724	7.28524	5.36761	4.48458	5.94499	6.5702	5.88721
LOC2860	6.89021	6.31526	7.67994	7.2857	6.4479	6.30551	7.26246	7.30071	6.65043	7.31941	6.26204	6.9617	6.77226	7.13203	6.76704	6.95007
LOC2860	7.48814	8.21161	8.18994	8.17543	7.52478	7.73123	7.91603	7.51388	7.58013	8.00512	7.54401	7.17635	7.23693	7.39051	7.38189	8.05925
LOC2860	2.89649	3.34445	1.88755	3.6993	2.42207	1.995	5.6613	4.63015	1.87545	1.00522	3.26817	1.122	5.67467	4.28324	3.98218	3.57557
LOC2860	3.50604	3.82792	3.35152	4.28209	4.55201	3.82659	5.23593	3.9348	3.3441	3.5496	4.1368	4.34433	5.08766	5.34654	4.47351	4.71358
LOC2860	1.87757	4.51165	3.391	4.74107	3.18522	4.56925	3.03237	2.46648	3.55701	2.15841	4.49934	4.10127	4.39532	3.73088	1.1668	3.58879
LOC2860	3.26635	4.07403	3.25331	2.92162	5.37675	2.60961	3.92606	5.01102	3.55701	3.46275	2.8192	2.84585	2.2085	5.55549	3.78253	3.76737
LOC2860	5.22275	4.42829	3.91647	5.13767	3.18522	3.35168	3.61825	4.50182	5.12426	3.8429	2.90046	2.41615	3.55868	5.02586	3.23099	2.69842
LOC2860	4.23422	3.53745	4.28615	4.9537	4.31963	5.03249	4.45365	4.90215	4.91034	4.97382	5.14516	4.80362	5.30913	4.87894	4.71569	4.01765
LOC2861	4.95945	3.26271	4.61181	4.67817	4.664	4.87875	4.48842	4.66	4.68245	5.31293	4.46104	4.73241	3.22291	4.3989	4.63315	5.85911
LOC2861	2.70064	2.93032	2.63513	2.184	1.88842	2.21366	2.23396	3.31083	4.6132	2.80132	2.36593	3.15604	3.07124	3.01384	2.95994	3.62725
LOC2861	6.75043	6.64127	7.38635	7.12192	7.10517	7.23199	7.93468	7.22466	6.60078	7.57891	6.6314	6.74406	6.83528	7.96128	7.29274	7.20587
LOC2861	5.01394	5.54715	5.76565	5.66468	3.09072	5.33448	5.13757	3.49069	4.42376	5.58409	4.44812	4.86859	3.0877	3.0362	4.52824	2.84751
LOC2861	4.11079	5.25098	4.44205	4.68646	4.80673	4.18599	5.71572	6.02598	5.40317	3.5256	5.32102	5.83418	5.66277	4.38727	4.12652	5.54772
LOC2861	7.99046	5.46615	4.04694	7.87611	5.03304	5.24358	5.63956	5.62759	4.61934	5.15888	5.20401	4.07184	4.32095	5.38464	5.14236	5.04116
LOC2861	0.34005	0.62135	0.83338	1.11532	0.6733	0.49837	1.63196	0.64273	1.1038	2.04282	1.79233	1.54854	0.76448	1.17253	0.56521	1.27255
LOC2862	5.99641	5.28273	5.56217	5.4066	5.73276	6.23796	4.08418	6.54687	5.88266	5.25952	5.45803	6.05086	6.56658	5.69164	5.36321	5.85334
LOC2862	6.37105	6.47918	6.39352	6.11348	6.81728	6.44967	6.2519	6.47461	5.98862	6.44498	6.11109	5.97527	6.02198	6.4813	5.95087	6.46984
LOC2863	4.27206	4.18267	2.92938	4.39716	4.49934	3.91544	4.79429	5.8274	4.50716	4.84861	4.52112	4.19473	4.67069	3.77698	4.48882	5.68541
LOC2863	3.72099	4.14691	3.58903	3.6916	4.79743	3.50802	3.76501	3.3596	3.75611	3.68301	4.85938	3.405	4.66581	3.99364	3.30762	4.79111
LOC2863	4.85757	4.74319	5.14777	5.4066	4.9314	5.49311	5.94594	4.89413	4.18653	5.73855	5.45177	4.85676	5.2285	4.68646	4.80513	5.75171
LOC2863	5.19782	3.58335	5.05099	3.48474	4.20446	3.28947	4.008	3.80483	3.86642	4.3268	2.83774	3.18013	2.46016	3.31071	4.43654	3.23061
LOC2864	8.0511	6.78172	8.15094	7.29262	6.06808	7.72681	9.04465	7.04386	6.69758	7.42635	4.23603	4.0069	3.17825	8.01193	6.14193	4.07967
LOC3386	5.39977	6.03751	6.58956	6.51208	6.43248	6.81462	8.02662	6.80197	6.20767	6.85982	7.26624	6.9803	5.73271	6.20722	6.9799	6.08596
LOC3386	5.59032	3.30026	4.19503	4.23832	4.09689	4.11531	3.73393	3.50531	3.19069	3.60777	3.71153	3.81618	4.17756	3.29459	3.86469	3.97214
LOC3386	7.06209	6.95513	7.16971	6.76687	6.54152	6.83848	6.83665	6.71281	6.91957	7.13623	6.32734	6.38732	6.78565	7.16929	6.51815	7.02199
LOC3389	4.63591	4.58969	4.54034	2.28551	4.14888	4.38727	5.20807	5.23337	6.06266	4.38311	4.2954	4.99448	4.62473	4.78915	5.11379	4.73841
LOC3392	4.30677	3.77816	5.10007	3.65448	3.98376	2.15563	3.77935	4.48907	3.44034	3.13394	3.58961	4.06056	3.83289	5.28258	2.14289	2.12859
LOC3394	5.41227	5.74889	6.29317	6.0218	5.73609	5.55549	6.13608	5.57521	5.83403	5.51925	4.26259	6.00916	6.14906	5.2072	5.6718	5.56494
LOC3395	5.55384	3.1532	5.10007	4.55668	3.2065	2.45459	5.6314	4.7289	4.73809	5.97187	5.10716	4.51148	5.11909	4.20074	4.22367	5.66749

LOC3395	3.33951	4.74319	3.97828	5.06404	4.85449	4.87602	4.57297	5.42632	3.65431	4.06894	4.12088	3.49365	5.14236	4.9789	4.97591	3.40822
LOC3395	1.70087	0.79	0.9957	2.97356	1.42806	1.59197	1.03884	3.08616	2.39727	1.49394	1.74872	0.96901	1.93701	1.21564	2.39175	1.42001
LOC3396	4.67215	0.37401	4.64127	3.56531	4.19738	2.51251	4.96563	2.30474	3.59405	4.29458	3.33935	4.33523	5.80193	4.28324	4.23617	4.2961
LOC3396	6.57289	7.18456	6.76629	6.87781	6.84674	6.99709	6.71904	6.79925	6.73228	6.78541	6.60229	7.35571	6.62398	5.77062	6.73909	7.26814
LOC3396	3.56191	5.18587	3.54384	3.93679	3.70286	3.81413	4.02856	3.96044	3.55701	4.03381	4.31274	3.96659	4.67307	3.27909	3.87472	4.1998
LOC3398	5.86	5.57434	4.01654	5.65169	5.87024	6.44361	6.51087	6.30176	6.26645	4.91623	5.35839	4.60099	6.14368	6.387	5.90894	5.46739
LOC3398	4.11983	3.71031	4.11056	3.38369	3.79424	3.96435	4.56093	4.13045	3.45216	4.11175	4.10165	3.74466	3.71375	3.94866	3.72694	3.85415
LOC3398	0.9979	1.54402	1.09002	1.33008	0.90941	1.90997	3.52327	1.99703	0.89896	2.23712	2.01441	2.24796	1.82475	1.21564	1.97136	0.61335
LOC3398	3.63349	4.99899	4.85808	4.49983	4.08241	4.17614	3.48036	3.82238	3.99774	4.27051	5.03387	4.74889	3.9717	4.4044	2.70414	5.19674
LOC3399	2.79297	2.82798	2.52296	2.88071	3.12473	2.99117	1.85693	3.0093	2.07939	1.74155	2.24458	2.83233	2.17097	3.8419	4.01749	2.9809
LOC3399	3.13246	2.94714	2.65267	3.50564	3.50802	2.36638	2.96225	3.08616	3.17124	2.50603	3.111	3.23711	3.10377	3.58891	2.65173	3.62725
LOC3399	8.19323	7.98728	7.98688	8.39965	6.89348	8.01193	7.70612	8.24731	8.25013	7.59595	5.95297	8.01042	7.20076	6.51155	6.54445	7.28682
LOC3400	1.19711	2.49227	1.19537	-1.4826	0.84574	0.41936	0.61735	0.97208	1.00765	1.28097	1.59488	0.96901	0.07153	1.6809	3.29289	1.96263
LOC3400	3.56191	2.93032	1.23236	3.10053	5.20742	2.60961	3.12496	3.67908	4.55066	3.49311	2.41572	4.0069	4.4107	2.05268	4.01749	2.57571
LOC3400	8.86583	8.06968	8.73603	7.70063	7.65545	8.61941	8.57691	8.43478	8.00512	6.11583	7.68014	7.85776	7.49002	8.18506	8.27215	8.21644
LOC3400	1.19711	2.29438	3.54384	2.4789	2.2597	4.68011	2.20014	2.55884	1.26079	4.41097	2.73426	2.13113	2.68899	2.77311	2.49591	1.66002
LOC3401	4.19001	4.5873	4.37613	4.67342	4.42002	4.67088	4.70093	4.55677	4.17126	4.44608	4.33103	5.31968	4.73241	4.65523	4.27152	4.45264
LOC3401	5.79997	6.42252	5.83595	6.31316	5.0626	6.37006	5.84555	6.20784	6.60618	6.85564	6.24596	5.04593	6.07029	5.81954	5.8816	5.93331
LOC3401	2.79297	3.51602	3.45525	2.58828	3.53849	4.03667	5.71572	4.45148	2.50218	3.82085	3.05202	4.44519	3.85528	5.65877	4.57565	1.98412
LOC3403	3.23662	4.92917	5.05099	5.72522	5.43669	3.71116	4.32992	4.85984	4.65881	5.63576	4.30729	4.82307	5.35044	2.74868	5.6018	4.82236
LOC3403	4.04247	3.64857	3.70804	4.81755	3.60374	3.50802	3.49217	2.61382	4.21488	2.83032	3.45096	3.22488	3.19903	4.09275	2.67357	2.96003
LOC3405	1.44194	2.91316	1.52785	3.21843	2.33881	2.31052	2.73211	2.30474	1.98342	2.12186	1.41342	4.90933	2.39587	2.31516	2.14289	2.12859
LOC3448	5.91716	6.13367	6.23312	5.75101	6.46001	5.52799	6.63986	6.27613	6.70524	6.32955	6.33327	5.77485	6.41831	6.98246	7.00752	5.23232
LOC3744	3.67214	4.46957	3.76082	4.67557	5.78337	3.92436	3.59643	3.59171	5.09722	4.40557	4.8846	4.60566	5.15683	4.48486	4.86734	4.71689
LOC3748	6.48178	6.60053	6.61905	6.55968	6.52948	6.06363	6.17352	7.03627	5.95207	6.49925	6.44172	6.38308	6.31854	6.74255	6.61041	6.74566
LOC3751	5.28671	5.66976	5.64411	5.63013	4.95382	4.4329	4.7616	4.78725	4.12898	5.57542	5.06631	5.91076	4.95465	5.53288	4.32654	4.94543
LOC3884	5.68967	6.36113	6.35611	5.43831	6.4564	5.91451	5.87931	5.91431	6.27451	5.55006	5.4109	6.34505	6.28305	5.08103	5.809	6.11535
LOC3886	4.49656	3.98645	4.66647	4.55059	4.72807	5.18766	4.12268	3.82047	4.48338	4.46646	4.42144	3.82065	4.81597	4.79031	4.27689	3.29356
LOC3887	7.19095	6.41801	6.3681	7.6183	3.9949	4.4329	4.68519	4.02048	4.2251	5.55006	4.23603	4.75713	4.57269	4.3596	3.92173	4.44222
LOC3888	5.13232	5.55964	5.26316	6.2807	6.29245	3.45096	5.73173	5.38853	5.41662	5.89084	3.80883	5.6454	6.1277	5.59748	3.83184	5.40583
LOC3889	3.17857	3.30026	4.3596	4.1487	4.91541	5.45391	4.43758	5.31438	4.18653	6.45815	5.55298	4.82852	6.12219	5.13618	5.8839	4.30978
LOC3891	6.67366	7.90137	7.44394	6.9622	7.17217	7.236	7.51009	7.53552	6.90081	8.04765	7.16652	8.1136	7.75239	7.44463	7.61271	7.55185
LOC3892	5.76939	5.85624	5.94218	5.14982	5.41338	5.39469	4.73125	5.72689	6.15224	5.61368	4.94092	5.26053	6.21022	5.20089	5.58948	3.75027
LOC3893	5.54724	5.7691	5.66916	5.08609	5.5274	4.87977	5.80316	3.88575	5.48503	4.53581	4.91999	5.74934	5.62746	6.1571	6.20404	5.36713
LOC3896	6.96017	7.28627	7.03928	6.6686	6.76746	7.18879	7.38166	7.07077	6.84674	6.94225	7.05982	7.04441	7.17584	7.42526	6.97262	7.14589

LOC3897	6.25719	4.59974	6.29317	6.33134	7.43031	8.13334	7.20891	7.60433	6.52817	6.94426	6.22158	6.69068	6.63184	6.21121	6.38118	6.71204
LOC3898	4.5873	2.31215	6.06808	6.04147	5.01414	5.94158	6.53804	5.49284	5.9069	5.76224	4.93851	3.94359	5.99873	6.3484	5.93103	5.47974
LOC3898	4.23928	2.71818	3.75226	3.12738	5.73158	5.68335	5.2924	4.72297	6.02765	4.26501	4.92829	4.32526	4.49604	6.36476	2.87672	4.55883
LOC3898	1.26457	2.26456	1.26539	0.90097	1.84689	0.81159	1.63196	2.40011	1.00765	1.0625	0.90097	1.54854	0.57957	1.64103	2.11842	0.55613
LOC3899	4.80389	4.71298	5.05005	5.94761	5.84505	5.10609	5.86631	4.98805	5.83541	4.85535	4.37118	4.59297	6.28271	6.18589	5.27137	5.05401
LOC3907	5.37493	5.14525	5.09878	4.76537	5.05935	5.87407	6.61115	5.54814	5.37759	4.54756	4.3581	5.81438	5.38261	4.82325	5.56646	5.89386
LOC3994	9.30638	8.27148	8.00492	8.64603	9.33845	9.60364	8.72446	9.11315	9.1743	8.67767	7.71463	8.69689	8.44961	8.4259	9.09551	8.34622
LOC3998	3.41112	3.90521	3.48538	3.8281	3.61465	3.63988	3.3753	3.39861	3.85447	3.68301	3.3963	3.53998	3.65598	3.55944	3.56833	3.39583
LOC3999	5.3869	3.4567	3.837	4.58244	4.4394	5.58872	4.37953	4.15744	4.04301	5.00284	4.43031	5.08944	4.66095	4.29278	4.43705	5.50211
LOC4000	6.09165	6.96229	6.48278	7.04364	6.14532	5.89174	5.1853	7.0306	6.28105	6.11917	6.60689	6.83889	8.99254	7.13978	6.97373	7.79332
LOC4005	2.53024	2.49227	1.68451	2.55745	2.87786	2.65434	2.53476	2.49961	3.09248	3.00855	1.98377	3.47261	2.7752	2.57571	2.56931	3.24808
LOC4005	2.34348	2.63607	2.44429	1.77186	2.36593	2.03544	4.56843	3.61778	2.22165	2.95492	2.58746	2.55562	2.00801	2.18939	3.06557	2.45954
LOC4005	4.82631	4.48984	4.34691	6.19167	4.95776	4.18599	6.81474	4.41679	6.72654	4.61747	2.95531	3.72982	3.79701	4.24417	3.76841	4.69773
LOC4005	2.01938	2.31323	3.0807	2.57136	3.81013	2.73907	3.17102	3.18069	1.95681	2.89593	1.97136	1.57779	2.02692	3.15725	3.14636	0.36087
LOC4006	4.47902	5.16345	5.66158	4.62626	4.61373	4.89694	4.008	4.43077	4.2994	6.37043	4.4613	4.98989	4.42448	4.57572	4.91646	4.79376
LOC4006	4.3226	3.42761	3.02585	5.81304	4.21924	2.91286	6.05868	4.23662	5.24379	2.12186	3.75879	4.0069	4.65266	2.70047	5.13836	5.79273
LOC4006	4.77121	3.16637	1.68451	1.3754	2.36593	1.68859	1.24246	1.67907	1.98342	4.11175	3.76737	0.75844	2.00801	3.82047	1.22113	1.66002
LOC4006	5.56983	4.56713	4.76709	5.51058	5.20129	4.99336	4.76666	4.8249	4.62196	5.19972	5.20228	4.48338	6.14076	5.49513	5.65267	4.13461
LOC4006	6.00821	4.60422	3.25331	4.74829	3.65448	3.99153	3.42552	3.60236	4.80597	3.60777	4.15044	4.77927	3.72312	4.9646	5.14584	5.30548
LOC4006	2.47437	3.64857	1.95191	2.73925	2.36593	2.48692	1.91146	3.49069	2.39727	2.15841	2.64984	1.59868	1.53958	2.09344	1.00765	2.92719
LOC4007	4.42363	4.65407	2.96792	5.36992	2.81309	5.32297	4.99931	5.32985	3.40648	3.57327	5.49607	3.51602	5.46165	5.05216	5.13206	6.32655
LOC4007	5.10752	6.48103	5.58275	5.65354	5.54107	6.74298	6.83665	6.32848	5.47909	6.30501	6.01691	5.94963	6.92356	5.58961	5.35492	6.39634
LOC4007	2.37329	2.07729	2.93758	3.04143	1.97947	2.39513	2.39011	2.55884	3.19069	2.38782	2.07483	2.04143	2.23314	2.48051	2.21248	3.07505
LOC4007	4.99763	4.80528	4.32178	4.44022	4.66023	4.30155	4.27004	5.1853	4.7492	5.06976	4.46039	5.26908	4.822	4.29189	5.13157	4.93015
LOC4008	2.21029	2.41683	2.33881	1.77186	1.00765	3.03288	3.00912	1.91261	4.41574	2.2766	2.93839	2.46803	1.35312	1.78331	2.21248	2.4155
LOC4009	3.61691	4.16783	3.32841	3.89212	3.44273	4.09259	4.41563	5.14329	4.42048	3.77832	3.79065	3.30564	3.91161	3.8488	4.05898	3.43472
LOC4009	2.13523	3.06378	1.68451	2.06899	1.80599	1.995	2.23396	2.30474	2.03262	2.77263	2.30098	2.93048	1.86408	2.22838	2.36623	2.19188
LOC4009	5.32454	3.61956	4.61987	4.56912	5.38965	4.38024	3.65785	4.58601	4.79613	4.34627	3.97251	2.81338	4.08241	5.43328	3.76841	3.6836
LOC4010	6.69314	5.56894	3.26549	6.40363	3.03309	2.93381	3.12496	5.52587	5.49365	5.2129	2.97056	2.31832	2.79294	3.33112	2.72952	4.11853
LOC4010	4.37472	5.91431	6.04194	5.88057	4.96323	5.57868	5.51451	6.01952	5.62078	5.20259	5.81672	5.90267	5.98027	5.51676	4.21771	5.33214
LOC4010	0.62135	1.84587	0.61335	1.67907	4.11679	1.19537	1.32308	3.17146	0.56521	1.92074	1.63512	3.19844	3.17825	1.72157	2.00801	1.92725
LOC4011	1.9808	2.06712	1.7774	2.01874	3.23403	2.97137	2.33387	2.39091	3.26061	1.39427	2.87454	2.64224	2.33043	3.18907	2.09215	1.87757
LOC4011	3.68019	4.534	4.11758	5.04161	3.68084	3.83233	4.11808	3.71916	5.14293	5.95512	5.69404	3.3733	4.83558	5.91431	3.47504	3.67519
LOC4012	2.16905	3.95879	2.70549	4.17431	1.97947	2.83735	4.79774	2.98628	4.46917	2.61134	4.54707	3.45239	2.2085	2.51368	5.02838	2.5569
LOC4013	4.34723	4.17234	3.83893	4.40345	4.04773	3.60965	3.96416	3.76722	2.91116	3.9257	4.16497	4.41255	4.29394	3.25175	4.2698	4.26324

LOC4013	6.60956	7.12889	6.03198	7.23966	6.55916	6.96157	7.41057	7.48312	7.08748	6.96411	6.88023	6.80461	7.56537	6.99434	7.02605	7.01235
LOC4013	4.01048	2.79266	3.09945	2.93958	3.16569	2.69944	3.25433	3.08616	2.92006	2.63576	2.56627	2.81338	2.73615	2.65463	2.63378	2.86424
LOC4014	3.41112	2.8813	3.51672	2.67969	2.50418	2.65434	4.49757	4.19473	2.93758	2.42411	5.05998	5.82688	3.07124	3.98175	2.86345	4.44222
LOC4014	3.85037	2.71638	2.15875	3.23578	3.44452	2.29255	3.77058	4.0189	2.57765	3.98554	3.35758	3.2312	2.47807	2.83262	3.56014	4.108
LOC4019	6.99143	6.2608	6.34947	5.85135	5.94464	6.33957	5.77668	6.66787	6.75365	6.53172	5.6694	6.19295	6.2245	6.34532	6.66367	6.67173
LOC4021	6.46837	6.71161	5.90764	6.68534	5.98886	6.8411	6.60527	6.67073	5.97427	5.82603	6.41956	6.80078	6.85892	6.87216	5.33369	6.54586
LOC4033	6.75738	5.9265	7.11489	7.40049	6.93009	6.98885	6.66656	6.60271	6.33073	7.6227	6.95587	6.51441	7.75786	6.20487	6.10779	7.12292
LOC4143	5.15459	4.65407	2.96792	4.38405	4.51121	3.11933	5.03767	2.37778	4.4546	4.00197	4.94092	2.07548	4.59673	2.44811	5.16778	2.59102
LOC4399	9.25462	8.40158	6.83511	9.22708	6.49089	7.69565	6.07197	7.43293	7.10881	6.87216	6.74418	7.45295	6.60137	6.33213	7.59822	6.52183
LOC4399	3.24368	1.82182	2.16388	3.09201	2.19868	2.7927	3.38255	2.85812	3.5512	2.05894	2.71114	1.99316	2.72849	2.17829	2.55833	2.37224
LOC4399	5.46677	5.55391	5.74682	6.3884	5.44316	5.46747	6.10612	5.21589	5.71676	5.63956	5.60733	5.07937	6.07029	5.68401	5.39264	5.24347
LOC4399	6.27789	6.21719	6.2047	6.04567	5.91887	5.78328	5.81553	6.52664	5.66879	5.75475	5.94573	6.10863	5.74166	6.04321	6.21622	6.25266
LOC4400	4.17406	3.72332	5.08766	3.84364	3.8806	4.57125	3.73889	3.94624	3.96826	4.69141	3.96826	4.1998	4.16747	4.25692	4.08906	5.10272
LOC4401	5.27357	6.09415	4.69482	4.99227	5.45685	5.1893	5.55517	5.61655	5.43281	5.60498	4.91999	3.38388	6.02794	6.05846	5.1794	4.83068
LOC4401	6.37105	6.11947	6.08811	5.91096	4.97329	6.01899	5.7789	6.4299	5.90526	6.54841	6.03515	5.14209	5.59184	5.99767	5.75191	5.36306
LOC4401	3.57397	5.98264	3.88236	1.93131	5.61759	4.9039	5.55517	6.37303	3.60923	4.22052	4.905	5.82688	1.86408	5.45068	2.7465	5.76162
LOC4403	3.02599	2.74824	2.94797	2.61385	2.68714	2.97137	2.63794	3.61778	4.06039	3.21812	2.8192	3.53998	2.54194	2.88516	2.72952	2.94176
LOC4403	1.79935	1.44837	1.82328	3.988	1.88842	2.07394	1.73976	0.64273	1.87545	0.05171	1.51119	2.71947	2.00801	1.97057	2.00801	-0.0459
LOC4404	3.67703	3.5613	4.19646	4.27479	3.95509	3.17904	3.60464	3.82085	3.56014	3.72865	3.64596	3.37907	3.31071	3.68112	3.4834	3.72138
LOC4404	7.7049	7.89256	7.33814	7.43383	7.5453	7.75653	7.33842	8.30848	7.87611	8.50585	7.96074	7.45844	7.24306	7.10108	7.58542	7.38979
LOC4405	2.91334	1.84587	1.68451	2.12186	1.54197	2.53476	2.53476	1.91261	2.67969	2.23712	2.91487	2.56799	2.5663	2.57571	2.78105	2.82844
LOC4406	4.17798	3.76552	3.85578	3.8281	4.60294	4.39841	4.32992	3.8281	4.52735	4.5431	4.43705	4.74678	4.6132	3.95895	4.24348	4.10052
LOC4407	0.73695	1.32117	2.52296	1.55195	1.00765	1.19537	1.80024	2.34717	2.76258	1.43866	2.21379	3.19844	1.18021	1.6809	1.92074	1.45205
LOC4407	2.84914	2.43318	2.9127	2.84147	2.86183	3.55612	3.46198	2.68686	3.70541	3.82792	3.88656	2.28779	3.22812	3.15902	3.01167	2.35031
LOC4409	6.43709	5.75554	6.70524	6.62636	8.03799	6.60667	7.72862	7.16866	7.38979	6.14088	5.9736	6.3295	7.82888	7.1222	7.66727	7.33205
LOC4410	4.81528	4.89718	4.19043	4.0617	4.58067	4.21854	2.81469	3.61778	3.13363	5.35699	3.35206	2.79123	4.13938	4.78915	3.94704	4.94543
LOC4410	4.34203	4.5714	3.97828	3.3738	3.45301	3.13279	3.89026	3.55509	3.35168	3.68301	2.38828	4.18135	3.40212	3.36587	3.38625	3.31065
LOC4410	3.90594	4.21006	4.83835	4.50197	2.94105	5.58627	3.82687	2.40011	5.12838	3.09196	4.82299	1.07852	4.6382	1.59381	2.67357	4.30438
LOC4410	5.46677	5.8076	5.87421	5.37911	5.28718	5.7804	6.54748	6.32223	5.39064	5.60707	5.84854	6.46024	6.26398	5.78705	6.21493	6.33134
LOC4411	5.26165	6.55645	5.51103	6.21106	5.27562	3.601	4.72349	6.64457	5.09372	5.76532	4.82299	6.99884	3.7479	5.76354	4.46357	3.93004
LOC4411	3.30436	3.08599	3.12473	3.05134	3.43168	3.78054	3.28689	3.2859	3.18189	4.37724	4.06814	3.50511	3.85069	3.10053	3.57385	3.18522
LOC4411	4.81992	4.56226	5.76565	5.06786	5.46952	4.24599	5.55964	5.64102	3.29007	4.39244	5.66548	4.68011	5.27234	4.59647	5.37759	4.27608
LOC4412	4.5792	4.8882	4.62999	4.10591	4.08906	4.57259	5.01656	4.39519	4.41868	4.74294	4.37434	4.44748	3.83039	3.92173	3.86806	4.18478
LOC4412	4.48312	4.93339	2.93758	3.48474	2.63482	3.0658	2.67152	2.30474	2.47145	3.46275	2.8192	1.67664	3.17825	2.74868	3.89112	2.45954
LOC4414	2.30837	4.03498	1.85463	2.184	2.21727	2.58692	1.73976	1.54991	3.87677	1.78758	1.44615	1.69916	0.57957	2.82083	2.00801	2.28681

LOC4414	6.48246	5.72395	6.05574	5.4895	7.09849	6.33549	7.02816	7.04341	6.3979	4.85406	5.59813	6.90197	7.6532	6.37377	6.63133	5.9248
LOC4415	3.88575	5.50898	6.64866	6.53922	6.43444	5.28765	7.41816	6.01152	7.24511	5.66107	6.33808	6.00128	7.5095	7.98156	5.75038	5.42209
LOC4416	1.60375	1.84587	3.74811	3.79536	4.25669	2.48692	2.83966	3.99573	4.55066	3.11051	4.94764	3.62346	3.19903	3.12884	3.95895	3.41778
LOC4416	2.59488	3.00817	3.1732	5.27088	3.44368	2.84613	4.96412	4.61897	2.94797	3.19522	4.45043	3.50136	5.41113	3.04901	4.47947	4.04577
LOC4941	6.93638	7.07127	6.92489	6.90293	6.31298	6.93141	6.70844	6.0932	6.44006	6.87431	6.67015	7.07381	7.0622	7.35321	6.68879	6.82951
LOC4972	1.84505	3.21812	2.35871	1.67907	2.18367	2.39513	1.37571	1.96139	1.76451	2.12186	2.27492	1.73861	2.2085	1.84505	1.70284	1.85717
LOC5114	2.68367	3.64857	3.0093	2.36312	2.87786	4.1494	3.18384	5.50242	3.71298	2.91059	2.56627	5.41625	2.83935	3.07586	4.97312	3.31912
LOC5414	3.88851	5.51937	4.12524	4.25148	5.81749	5.73173	5.34129	5.63251	3.40648	5.58847	5.5734	4.19789	4.56642	4.16905	4.83434	3.86818
LOC5494	4.23422	5.98895	6.73391	6.16304	4.38405	4.50567	6.05549	6.22394	5.46528	5.69188	5.93381	4.49971	6.03144	6.32966	6.03795	4.43638
LOC5531	5.13682	3.58335	4.21937	6.03781	5.02465	3.24275	4.89377	6.50979	4.63412	5.51424	5.15565	5.66749	6.32323	6.26114	5.04555	3.54848
LOC5541	6.42136	5.71111	6.04656	5.42404	5.26406	5.19867	6.32531	6.85848	6.00252	6.22203	6.27405	5.38586	5.62746	5.75672	5.75747	5.69955
LOC5542	5.03349	4.92384	5.76497	5.31355	5.77244	5.83989	5.10517	5.29401	5.00585	6.45939	5.5131	4.86934	5.36688	4.97217	4.87977	5.06219
LOC5542	2.04089	2.53824	2.11428	1.77186	2.29738	2.15563	2.1009	2.43067	1.76451	1.15042	1.44615	1.77016	2.2085	1.1104	1.70284	1.51008
LOC5739	6.28982	6.96229	6.01115	6.54028	5.91335	6.51684	6.11311	6.36564	5.93008	6.17178	6.48767	6.55943	6.24198	6.50605	6.2336	5.2085
LOC5745	3.26635	2.51658	2.68367	3.28542	3.65448	2.65434	2.15094	3.29115	3.42477	3.44491	4.31762	3.36359	3.0877	2.59761	3.24403	2.12859
LOC6132	2.37329	4.68339	2.70549	4.21125	2.9933	4.84871	5.54511	3.47335	5.02776	3.18735	4.86617	5.05314	5.4553	2.62575	2.26702	3.80861
LOC6415	0.9979	0.55223	1.01461	1.3754	0.84574	1.00765	0.75071	0.97208	0.80062	0.75071	1.36661	2.10229	0.248	1.21564	1.00765	0.9183
LOC6422	5.87597	5.2998	5.45803	4.68857	5.39491	5.27686	6.61588	6.03826	5.11456	5.22874	5.41316	5.76261	5.07199	5.67141	5.94974	5.42917
LOC6424	0.11027	-0.0172	-0.5013	0.29867	0.20638	1.19537	1.63196	0.97208	1.87545	1.69907	0.81405	0.68341	1.01457	0.47862	2.49591	2.04035
LOC6425	5.89338	6.51608	5.9165	5.71324	4.83558	4.58019	4.68519	5.68015	5.782	7.39051	6.42298	6.67249	6.78294	6.69077	6.56859	5.90062
LOC6426	5.44608	5.11644	3.84282	2.88071	4.54756	4.38024	3.50564	6.16296	3.95837	5.75038	5.93216	5.59287	2.90755	4.1611	4.33642	3.17553
LOC6427	2.85784	3.65681	4.42592	4.81755	2.76484	3.11933	5.14682	4.35762	4.92985	5.41453	4.81003	4.30571	5.25392	4.47605	5.24618	3.98976
LOC6427	5.46994	5.07244	5.15599	4.76672	4.54126	5.41963	7.02599	5.27102	3.29007	3.74711	3.54938	5.66243	4.46842	6.18234	3.21508	5.89474
LOC6428	5.94627	5.60814	5.96948	5.68335	6.43147	6.25707	6.41069	5.8637	5.63629	5.63813	5.49238	6.10943	5.62147	5.86075	6.33267	6.17104
LOC6429	2.96659	3.86925	4.8059	3.06525	3.59057	3.41719	3.45602	3.21508	4.58372	3.26858	2.75175	3.15604	3.44604	5.79613	2.9127	3.37025
LOC6430	6.26131	5.4303	4.56634	2.97356	5.60018	5.20294	2.98815	3.06557	4.42376	4.60892	4.23603	1.97567	5.86066	4.95231	5.70391	5.8034
LOC6430	5.42686	5.51616	0.71928	4.66023	4.73152	4.78796	3.94849	2.67421	5.00928	1.69907	4.69149	4.73947	5.49578	5.4378	5.55069	5.4554
LOC6432	3.14028	4.49077	3.32016	3.78731	3.44785	3.55491	3.81102	4.01336	2.89231	3.35113	3.18813	4.61765	3.43926	3.59491	4.0795	3.94849
LOC6433	5.04458	4.62359	5.10579	5.74014	5.16332	5.57693	5.42167	5.18273	4.82364	5.54577	5.63045	5.09784	5.48407	4.44205	4.88519	5.2021
LOC6435	3.04535	6.5801	2.74259	6.0666	4.02718	4.4649	3.2194	5.64102	2.5663	5.18807	5.36735	6.51043	4.2792	5.72006	5.26934	5.24347
LOC6436	2.44059	2.36797	4.44939	2.00313	2.02496	2.18538	1.49083	1.54991	3.31034	2.01376	2.10233	1.41969	2.04398	2.34474	2.14289	1.80953
LOC6437	2.76484	3.15711	2.67567	1.82037	1.67696	2.20091	2.21984	1.88669	1.576	3.04513	2.26034	2.6917	2.38181	2.07493	1.63685	2.70652
LOC6437	4.52416	5.45626	5.61854	5.73131	5.40703	5.66353	4.92065	5.29777	5.08081	4.79167	5.10549	4.8435	5.0094	5.07366	4.72236	5.46171
LOC6440	3.84315	2.82798	4.23911	3.33739	3.45301	3.8659	5.75951	5.69472	3.94629	5.23533	4.41614	6.73346	3.66589	3.71992	5.15918	4.1998
LOC6441	3.23662	1.84587	5.39073	3.00618	3.85505	4.0873	4.34799	2.13755	2.79078	4.15112	2.83774	4.24374	2.75699	4.84817	2.45708	2.92719

LOC6446	6.84551	7.4913	6.74845	6.86689	7.25719	7.1342	7.40302	6.70784	6.60777	6.06084	6.82079	7.24867	6.84415	7.03506	6.36004	7.1234
LOC6447	5.20375	4.47708	5.2002	4.574	5.08944	4.94515	4.99733	5.06187	4.58884	5.70907	5.20516	5.0094	5.13872	6.04611	5.56771	5.16837
LOC6448	4.02962	2.49227	2.77497	5.00785	3.12473	3.4746	2.96225	2.49961	5.19903	2.44811	3.38676	2.6814	3.00618	3.18151	5.23355	3.29988
LOC6451	5.26165	4.37518	6.00252	5.50571	5.53088	5.6174	3.57168	4.94996	5.76238	5.65267	5.48278	5.4728	2.59488	5.78062	5.59237	5.88049
LOC6452	5.11682	5.34065	3.49445	5.38345	4.9039	3.88596	5.77668	5.47965	5.21762	5.02776	4.97185	4.84165	5.83098	3.95895	5.0902	5.92597
LOC6453	5.96732	6.03795	6.71912	6.09644	3.98045	5.93216	4.70851	5.33725	5.92878	6.03071	5.1641	4.67236	4.75355	5.52397	5.98394	5.92763
LOC6453	2.08404	2.36797	2.04684	2.58828	2.61273	2.58692	3.0573	2.93245	2.53538	2.57765	3.19795	3.49365	2.04398	2.59761	2.39175	3.20278
LOC6454	2.93125	0.24489	1.41969	1.85049	4.56691	4.29854	4.81992	3.50531	1.63986	2.63576	0.31556	1.69916	1.86408	3.75913	1.92074	1.62293
LOC6455	4.46828	5.00374	5.00573	4.87189	5.42618	5.57585	5.51081	5.56135	4.99372	4.92411	4.72939	4.37651	4.89377	4.70821	5.61533	5.13074
LOC6459	2.81334	3.06378	3.26549	4.08527	4.29721	4.0873	4.49757	2.81438	3.36695	5.15403	5.33157	2.63249	4.94162	4.14195	4.32654	4.89233
LOC6460	7.74113	6.06644	6.60593	4.9312	5.54744	7.236	7.63045	6.44616	6.56778	5.84343	6.26354	6.15572	4.25636	5.10272	5.50672	4.59445
LOC6462	6.47236	5.3258	5.62492	5.26452	5.5763	6.73391	6.01167	6.29342	7.06209	5.06736	7.08078	5.08631	6.84575	5.32709	6.54598	6.44405
LOC6462	4.52298	2.93839	4.10686	3.58121	4.10225	4.54858	4.98037	4.19043	4.73947	3.73667	4.59974	3.99376	4.22106	5.7789	3.9257	4.50434
LOC6462	6.06212	5.54093	6.35574	6.43347	5.80509	6.43709	6.47754	6.31181	6.10324	6.48933	5.90489	5.41438	6.24803	6.01282	5.83271	5.94043
LOC6464	5.71671	5.59022	5.74268	4.78392	4.03498	4.99197	6.2836	4.39128	4.88674	4.63184	5.65993	4.28615	4.45382	5.96754	5.66921	5.15109
LOC6464	6.11204	3.40176	5.48278	5.10366	5.25573	3.74792	6.34758	5.36018	4.50459	5.97187	3.82899	5.73131	4.55026	6.09501	4.84979	5.476
LOC6465	3.29685	3.55786	3.72265	5.47252	3.50802	3.82218	5.28718	3.66599	3.99376	3.7682	3.72069	3.46371	5.86376	3.34999	3.71004	4.42279
LOC6465	5.80692	5.61119	5.56651	6.56975	6.0605	5.49698	6.6643	5.93974	5.79184	6.13578	5.4109	6.19295	5.6866	4.97045	6.32627	6.17903
LOC6466	5.00904	5.27758	4.60832	5.89151	5.54107	3.33634	3.71929	4.62117	5.19212	6.0027	3.72995	5.28666	5.74383	5.33354	4.18051	3.44273
LOC6467	3.25147	2.18884	2.55526	2.25844	2.36593	2.27957	2.1009	2.83945	2.67969	2.5437	2.10233	2.56799	2.42653	2.54935	2.59102	2.92719
LOC6467	7.43254	7.54722	7.05601	7.30969	7.17104	7.07685	7.50769	7.22985	6.96157	7.77186	6.59622	7.18404	7.268	7.44574	6.94842	7.47138
LOC6467	4.86331	5.06959	4.85376	3.6498	4.42897	4.67601	4.91999	5.02733	4.26411	4.76854	3.47039	4.12167	4.82924	5.15683	5.96676	4.07507
LOC6469	6.8334	5.95677	5.4541	7.40248	5.65157	5.52799	6.94683	5.65251	5.70095	6.01426	5.54563	5.06679	6.26398	5.29621	5.66921	5.5419
LOC6470	6.37105	6.06227	7.01023	6.12383	6.44984	5.8657	6.10612	6.52006	6.48682	7.33712	6.34464	6.94086	6.72976	5.88181	6.89847	6.6905
LOC6473	2.58692	2.93032	1.68451	4.64889	4.41516	4.79243	2.73211	3.80483	3.11326	2.72148	4.47005	4.69839	5.5537	2.62575	4.63704	2.26153
LOC6486	6.23752	5.48547	6.48966	6.18324	5.92045	6.10124	4.97647	6.61839	6.18646	5.92461	5.82837	5.15888	5.93424	6.38946	6.29946	6.66994
LOC6489	5.19341	5.38965	5.07497	5.9482	5.29588	6.51983	5.93156	5.43004	7.89942	5.58847	5.56396	5.93911	5.94021	4.9789	5.24005	5.43189
LOC6522	6.12533	6.2801	5.51437	5.81304	5.23021	6.49097	6.65267	6.70987	6.47102	4.7154	5.02177	5.36761	4.42745	5.41012	5.97908	5.70264
LOC6529	4.91054	4.78107	4.93219	4.75355	5.57527	4.62473	4.71077	6.27334	4.59837	3.13394	4.80248	3.53998	4.89893	4.92635	4.87602	4.79111
LOC6531	7.16675	7.16235	7.37897	7.16971	6.5687	7.06134	6.51384	7.20402	6.72462	6.82394	6.61088	6.89653	7.14735	7.09238	6.68306	6.79431
LOC6535	4.0831	4.82974	3.64098	2.95827	5.26406	5.42243	4.50617	3.27157	5.0773	3.8925	2.83774	3.60204	3.67703	4.79512	3.62574	4.38335
LOC6543	3.94624	4.09222	3.83175	4.82291	3.40487	3.86842	4.83933	4.16568	4.22871	5.03413	4.85735	4.51377	3.32868	2.70965	4.66168	2.56625
LOC6547	6.41673	3.89893	5.35834	6.26213	5.95916	6.04611	6.98896	3.23218	5.85107	6.30722	2.38828	5.09218	2.94778	6.29468	6.53216	5.95267
LOC6548	3.73406	3.78714	3.6244	3.21843	3.07162	3.79752	2.56625	2.21132	3.79382	3.8925	4.76672	2.86273	4.37787	3.27909	3.60386	4.62412
LOC6922	5.22723	5.43734	4.81112	4.59407	4.17313	5.34251	4.63675	5.11171	4.59703	4.8729	4.2003	4.66213	4.96429	4.76297	4.43413	5.26386

LOC7278	5.27173	4.93339	6.75806	5.66806	4.03935	5.51081	4.2746	4.47552	6.5296	5.95632	4.35243	4.05632	4.14096	4.67628	4.42448	5.3965
LOC7279	5.54724	5.77688	5.26807	5.563	5.89757	3.44117	5.42167	4.51886	4.10622	6.66963	4.42745	5.06679	4.38612	4.79512	4.9796	2.67577
LOC7279	2.34348	3.03524	2.25072	1.73098	2.87786	2.95599	2.90726	3.06557	1.69898	2.75002	2.07483	2.66471	2.00801	3.27909	1.97136	3.52431
LOC7280	5.98312	6.02858	5.448	6.19167	5.59723	6.09415	5.15052	5.54093	4.3624	5.76009	5.21642	4.58543	5.62298	5.54823	5.1764	5.45068
LOC7280	4.20928	4.24629	6.13885	5.26572	5.44738	5.18553	5.45432	4.96224	4.06039	5.93577	4.3863	5.1305	5.5537	5.81078	5.5579	4.99162
LOC7280	6.62448	5.61731	6.33203	5.61979	5.53895	5.76458	8.94549	6.8268	5.45313	6.9069	4.28892	5.82023	6.80069	6.11483	5.8075	6.30604
LOC7280	4.09491	5.47155	5.38936	4.99785	5.8529	5.46747	5.82817	6.1892	6.49724	6.23123	5.26083	4.41586	6.93923	3.95895	6.18661	5.39423
LOC7280	2.13523	1.9808	1.85463	2.58828	2.18367	2.24655	2.61298	3.31083	2.18568	2.80132	2.04035	2.86273	2.59488	2.13594	4.71918	2.28681
LOC7280	5.63752	5.68755	5.70986	5.9567	4.55848	5.17906	5.47426	5.71676	4.66213	5.47715	4.21387	4.70238	4.37463	5.19111	5.22179	3.9949
LOC7281	3.04535	5.86819	5.85386	3.57686	4.9039	4.74589	5.29949	6.01489	3.40648	5.63576	6.08743	5.81694	3.0877	3.9369	5.30736	5.00773
LOC7281	5.18587	4.17474	3.21781	3.9751	3.64617	4.22676	3.85414	3.44307	3.39655	3.7497	3.75335	3.85966	4.8012	3.18838	3.81298	2.88039
LOC7281	8.58048	7.06749	6.17111	8.49421	6.19642	6.57211	5.42167	6.27958	7.03332	5.17323	5.46456	5.47492	6.01577	6.37891	6.02949	5.40281
LOC7283	4.82378	4.94719	5.24618	6.17008	5.23893	4.97	3.871	4.7616	4.07298	4.91088	4.55172	5.13206	5.38571	5.0859	5.11924	4.67688
LOC7283	8.24077	8.78234	8.00813	9.2077	7.65934	7.86265	8.69689	7.10517	7.40489	7.95378	6.50096	8.80936	7.19745	6.69937	7.08016	6.61027
LOC7284	6.19499	6.94016	6.0743	6.43161	6.34852	6.6551	6.73729	6.79501	6.17628	6.48123	6.51464	6.18489	6.44381	6.47656	6.18181	6.39033
LOC7284	4.9742	5.25642	5.4025	4.54391	5.61291	4.25827	5.20662	5.13694	5.38965	5.88049	6.08205	5.23193	4.74224	5.53039	4.18842	5.12603
LOC7286	9.12492	9.11675	4.23311	8.71012	8.14952	8.78708	7.40347	7.67899	8.34076	7.79201	8.03371	8.34076	7.30859	7.30409	8.13873	7.21448
LOC7286	3.04535	5.11285	3.55864	5.07849	3.9949	6.26091	4.44493	5.86031	5.59723	4.85694	5.26854	4.99814	6.01377	4.21305	5.5861	3.70541
LOC7287	5.56557	4.99958	5.57874	5.66269	5.40291	5.35185	5.25825	5.50142	5.62822	6.16152	5.57834	5.52053	5.81029	5.2505	4.93282	5.48534
LOC7287	4.50253	4.66277	5.13528	4.15496	4.16994	3.46534	4.2492	4.20529	4.56108	5.10323	3.51809	4.4184	3.95264	4.24709	4.2445	3.9791
LOC7288	3.66681	6.19272	5.7674	6.18506	5.58847	6.1219	6.39556	5.78534	6.19456	6.15426	6.12395	4.92065	4.94162	5.81954	5.81981	5.7127
LOC7288	6.77263	6.18979	4.16313	5.15758	4.52738	4.97599	6.03955	3.85505	4.82953	5.59155	4.52313	5.68932	6.43057	5.4626	4.98404	5.32007
LOC7288	3.73406	5.56894	5.39353	5.47965	6.03112	5.47132	5.0499	6.03632	4.50459	4.88336	5.82709	6.23393	5.26233	3.52815	5.86526	4.39898
LOC7290	2.85784	2.29438	1.41969	1.50761	2.85371	2.07394	1.18021	1.51119	1.98342	1.15042	2.10233	1.19537	2.10686	2.13594	1.55502	2.04035
LOC7291	5.15459	3.52573	4.40279	4.07003	3.38334	5.55549	5.70528	5.47965	3.19069	4.31978	4.98736	3.90172	5.83698	4.01187	4.12102	4.2961
LOC7291	6.2054	6.24655	6.17878	5.92336	5.94032	6.60431	6.00799	6.27029	3.19069	6.09515	5.79273	5.22251	6.49365	6.17219	5.68755	6.88982
LOC7292	3.32431	2.81246	3.63509	4.94472	2.10233	2.65434	2.8619	1.99703	2.35886	2.80132	3.03593	3.58989	2.94778	2.65463	3.79392	3.66526
LOC7292	4.37724	4.31963	4.26088	4.15902	4.06207	4.108	3.65202	4.19674	3.44676	3.67703	4.1925	4.04908	4.78582	4.30155	4.92218	4.3226
LOC7292	5.30253	4.97234	5.90894	3.35104	4.64244	5.27542	5.33752	5.22564	4.93727	5.39899	5.19254	5.28266	5.59184	5.27102	4.33642	5.85334
LOC7293	4.11079	2.77081	5.37093	3.99755	4.70851	3.5373	3.8062	3.58474	3.94629	4.28394	4.23603	4.35575	2.29255	5.11206	1.61881	4.95783
LOC7295	6.36044	7.06179	7.14001	7.29437	6.68221	7.18732	6.87781	6.93638	6.76605	7.00914	6.82623	6.94208	7.07369	6.231	6.71599	7.0979
LOC7296	4.66752	3.20291	4.026	2.83422	2.85371	3.91828	2.88209	4.92065	1.45473	3.63896	2.10233	3.483	4.37787	1.88842	1.1668	4.60548
LOC7296	6.02901	5.56093	6.05689	5.32765	4.65407	5.41283	6.02908	5.30554	4.60738	5.67897	5.09621	5.08443	6.10907	5.98436	4.95436	4.08624
LOC7296	4.57039	6.27391	5.54219	5.96305	7.46926	6.59049	6.56354	7.4145	6.21797	6.22424	5.67523	6.77204	6.62914	6.47187	5.75891	8.02626
LOC7296	5.23432	5.20796	5.42342	6.41069	4.53938	5.30496	5.53829	5.29113	5.26108	5.32145	4.67557	5.13292	5.11687	4.95474	5.16611	5.46691

LOC7297	7.42103	7.72681	7.52611	7.40049	7.65686	7.53139	8.11142	8.08303	7.71299	7.82427	7.26885	7.98276	7.22267	7.29274	7.769	7.81302
LOC7298	3.26635	3.27087	3.04356	3.31099	2.65839	3.35168	5.23329	5.56628	2.25875	5.12708	2.52439	4.06056	5.80853	4.2645	4.48075	3.82879
LOC7298	5.99957	6.5551	5.74682	5.66075	5.86541	5.77708	5.69581	6.63155	5.44119	6.17716	6.16918	5.79382	5.5537	5.1836	5.63274	6.21864
LOC7298	7.1297	6.45334	7.03265	6.53264	5.67559	6.15904	6.20735	6.52418	5.80222	6.97977	6.51534	6.20784	6.20375	6.45428	6.03179	6.97977
LOC7299	3.80377	3.6916	3.94794	3.11019	5.96497	3.50445	5.66035	3.72504	3.0573	4.26025	3.68155	5.15429	3.57987	5.86985	4.93822	4.00224
LOC7300	5.48692	2.94714	4.35197	5.28175	4.64244	3.8659	3.3753	1.91261	3.42477	4.46314	5.02998	5.11046	6.51344	3.09139	5.4377	6.59123
LOC7301	7.11366	7.58402	6.94374	6.8244	8.82517	7.62934	9.65062	8.74446	7.08941	7.45951	4.24944	7.53627	8.16815	8.16124	8.29317	8.08838
LOC7301	4.94892	5.3453	5.67487	4.96826	5.33258	3.02531	3.30187	4.24814	4.70611	6.37512	5.37873	4.62482	5.27021	4.68191	4.77035	4.62196
LOC7301	8.19619	7.2038	7.88327	7.7158	7.35478	7.7461	8.22455	8.342	8.31171	7.78599	7.50441	7.92842	7.75786	7.4124	7.56225	8.17853
LOC7302	7.07381	5.70337	3.21294	6.75832	5.67559	5.42686	3.50564	6.47461	5.93654	5.53181	4.43705	6.72429	5.63921	2.93125	5.67434	3.53602
LOC7309	6.60956	6.04592	6.51077	6.34869	5.96744	6.70923	6.58391	5.49051	6.51558	6.5845	6.0104	5.84617	6.8775	6.36505	6.37421	5.39423
LOC7311	3.06503	3.50584	3.55864	3.9262	3.91616	3.79752	4.10344	4.11111	3.75611	3.68301	3.87668	4.16089	4.28649	3.9369	4.18506	4.13063
LOC7314	6.47269	6.07517	6.66742	5.48427	5.9248	5.49001	6.20277	6.49124	6.15307	6.32189	6.61706	5.68304	6.45687	5.1418	6.05707	6.00192
LOC7805	5.60724	5.26872	5.64411	6.34219	5.9748	5.75554	5.3089	5.68015	6.24633	6.19425	5.1842	5.88329	6.64145	4.31831	6.27641	5.63419
LOC7999	3.68019	5.74238	3.78517	2.72117	3.84331	4.72201	4.58061	5.9856	5.17602	3.34275	4.68317	4.63689	5.08115	4.43638	4.19913	4.92331
LOC8015	8.15642	6.96845	6.30993	7.29391	8.09465	7.76459	8.06529	7.24063	8.01042	7.29882	6.71757	8.20284	8.16934	8.08673	7.45961	8.0941
LOC8169	4.67048	5.19191	4.91397	5.19361	5.89071	4.48995	5.10428	5.31111	4.9904	5.45029	5.67735	4.74517	5.40398	6.50052	4.84118	6.18661
LOC9024	4.52387	4.24814	4.55333	4.4644	4.68824	4.95724	4.59673	5.09073	4.49959	4.84137	4.51815	4.69357	4.49959	5.11553	4.48131	5.01818
LOC9145	5.79778	6.21903	6.53878	5.68112	6.9788	6.83682	6.73533	6.46387	6.1047	7.23779	6.44039	5.71898	6.86068	6.46578	5.62022	6.54946
LOC9154	6.95897	6.80448	6.87258	6.65883	6.98991	6.20277	7.74898	6.46606	6.71324	7.01098	6.24943	7.34065	6.4281	6.09928	6.24391	6.77719
LOC9343	5.14061	5.77073	5.82812	4.87023	5.54744	5.86266	5.75525	6.21022	5.94126	5.14202	5.92496	6.21978	5.91468	5.90303	6.14193	5.57856
LOC9344	3.12323	2.81829	4.4764	3.38887	4.06438	4.00589	3.88447	4.1064	3.8399	4.30395	3.99122	4.4039	5.17309	3.51074	4.42298	5.71171
LOC9346	5.63013	5.83119	5.77853	5.22073	5.38965	5.66497	5.13757	5.58831	5.69444	5.79159	5.84854	5.17769	3.12086	5.89557	5.41113	6.06561
LOC9362	7.21396	7.75523	7.08717	6.93874	6.87495	6.63108	4.98886	5.12208	6.69306	6.55578	6.90487	5.95764	2.90755	5.55549	6.13563	6.02327
LOH12CI	4.382	4.58668	4.2226	4.68245	5.78665	3.78483	4.83068	4.40279	4.97749	3.90701	5.55993	4.07595	3.93142	3.79195	5.30469	4.41015
LOH12CI	2.47437	4.26036	2.90619	4.64889	5.40101	5.63879	5.28718	2.91144	5.38276	5.29504	4.56115	3.3733	6.10432	3.80927	3.38625	4.58158
LONP1	8.40462	8.15007	7.94461	7.88093	8.22001	8.18643	8.69948	8.38345	7.97399	7.97635	8.2586	8.82456	8.13808	8.8123	8.09183	8.44583
LONRF1	7.3728	7.0893	6.75786	6.27174	6.92962	6.77848	7.11889	6.81451	6.88783	7.19756	7.08796	6.75751	6.8106	7.19036	6.52709	7.14746
LONRF2	5.50341	5.22658	5.04974	6.12766	4.65737	4.58244	4.94282	4.56051	4.59565	6.84972	4.18653	5.32306	4.2998	5.10776	4.67215	3.93732
LONRF3	6.41254	7.13969	6.77263	6.64693	6.55763	6.43994	6.36582	7.14746	6.75819	6.69152	6.489	7.14627	7.01358	6.66049	6.90514	6.80461
LOR	4.02962	3.36509	6.28952	5.75592	5.96577	6.99294	3.08298	5.36903	2.07939	4.5207	3.25613	8.35991	3.34323	5.55932	6.21344	2.49784
LOX	5.21946	5.96765	5.34775	5.0616	5.06959	4.77306	5.2058	5.00322	5.21589	4.84732	5.27002	4.648	4.43135	4.91397	5.31355	4.77367
LOXHD1	4.11983	6.06644	5.21285	5.71961	4.83558	5.59785	3.90378	6.25598	5.59723	5.21721	6.20745	6.14575	5.51045	6.06328	5.74894	6.03336
LOXL1	6.82452	7.53139	7.39781	7.04141	7.18675	7.64142	6.91366	6.68426	7.78582	6.85982	7.37909	7.44712	8.08406	7.25098	7.49338	7.90401
LOXL1-A	5.92269	5.66976	4.41429	6.0536	6.76579	6.92986	7.27047	4.07245	6.92074	5.09778	5.36141	4.82307	7.01959	6.43444	6.62898	7.18981

LOXL2	4.34414	4.5782	5.4553	4.84572	4.76901	4.99358	5.03555	5.33258	4.30055	4.76131	4.89581	4.58104	5.01818	4.98755	5.21531	4.77548
LOXL3	6.51855	6.52849	6.8983	6.22012	6.21114	6.599	6.30868	6.89264	6.60078	6.96882	7.01754	6.89653	6.65704	6.36872	6.71275	6.50896
LOXL4	6.3797	6.1534	5.48731	5.7995	4.94318	5.74785	5.93894	5.81323	5.82442	6.72068	5.63311	5.86232	5.71711	6.02339	5.69909	5.8257
LPA	2.37329	1.62441	2.00164	1.77186	2.2597	1.19537	2.15094	4.22833	1.1038	1.43866	1.26375	4.30571	4.75137	2.22838	3.08134	2.47807
LPAL2	3.33071	3.39726	3.89439	4.026	4.37359	3.383	3.33839	4.53	4.45111	4.55379	3.92173	4.47486	4.99958	3.59691	3.99755	4.74876
LPAR1	7.45787	7.57081	7.2508	7.26259	6.55976	7.29046	6.71186	7.33768	7.57115	8.19393	7.05063	6.92337	7.03779	6.99729	6.98687	7.10635
LPAR2	6.73129	6.96157	6.27938	4.97749	6.88166	6.62218	6.99272	6.75906	7.27347	6.82985	6.62122	7.72596	7.16663	6.94188	6.50576	7.46391
LPAR3	6.75189	5.82855	5.10451	6.97857	6.05602	4.40116	7.02035	6.21991	6.02979	5.22914	6.53633	5.78528	6.31537	6.65763	7.13836	6.65654
LPAR4	5.15459	3.64857	5.97454	4.14041	5.50938	5.302	2.96225	6.00213	5.41662	4.55883	4.42232	5.88329	6.01377	4.84817	5.46774	6.10931
LPAR5	5.13064	6.73338	5.1722	6.00927	6.0697	6.26672	6.37311	6.14982	4.94172	5.79263	6.17623	6.20951	5.95281	4.85676	5.37133	6.04073
LPAR6	6.96888	7.32785	6.80929	7.33163	7.75305	7.33233	6.69284	7.24339	6.76772	7.52098	6.5719	6.48293	7.81222	7.23978	7.48191	7.31389
LPCAT1	6.24052	7.44622	7.53449	7.09535	7.42526	7.94708	4.38384	6.85136	7.93561	7.91573	8.64971	8.69275	6.9925	5.99767	7.01469	5.85334
LPCAT2	6.30347	6.35047	6.42054	6.69845	6.40759	6.39707	6.58286	6.30893	6.20321	6.79912	6.91814	6.18149	6.64067	5.85864	6.20059	6.22536
LPCAT3	5.51577	4.75199	5.81948	4.11572	5.47252	4.85358	4.18377	4.53792	3.57258	4.31215	6.11453	4.33523	4.99358	6.03949	5.58126	5.37077
LPCAT4	5.81473	5.42618	5.15451	5.47803	4.15142	4.77269	4.25437	4.83168	5.03249	5.09839	4.88716	5.57261	3.93018	5.07305	4.50625	4.50053
LPGAT1	7.15926	7.17376	7.05554	7.62995	7.6443	7.25848	7.40722	7.08864	7.65828	6.81648	7.47778	7.42167	7.28713	7.07077	7.77111	7.83558
LPHN1	7.24146	6.13152	6.87765	6.97291	6.82357	7.7028	7.32054	5.60769	7.2181	7.29669	7.09703	7.35627	6.77308	7.44601	7.19775	7.02351
LPHN3	2.97579	2.58413	2.53067	2.80802	4.3961	3.0573	2.6814	3.02373	2.38522	3.04435	2.30979	2.75974	3.22089	2.21254	3.02447	2.68811
LPIN1	6.32595	6.25548	6.49706	6.29342	6.54937	6.30673	6.3799	6.68558	6.3708	6.11348	6.74395	6.26147	6.36658	6.08394	6.60163	7.28797
LPIN2	6.64395	6.61041	7.5453	7.18879	8.42133	6.68609	6.0042	7.47821	7.49393	6.96229	7.49352	7.73337	6.34361	8.0775	7.70564	7.32444
LPIN3	2.89649	3.36509	2.94797	2.75974	2.76484	2.93381	2.90726	3.29115	2.92006	3.00855	3.25613	3.14285	2.88174	3.21424	3.01721	2.84751
LPL	4.19043	4.89861	6.62353	5.49037	4.65845	6.15674	7.38598	5.43309	7.09069	8.24731	5.19619	7.17199	7.98837	5.95253	5.63906	7.10241
LPO	7.45198	6.08327	5.84244	3.93679	3.6922	5.75265	3.99724	4.20167	5.23193	10.3343	3.98737	5.73718	4.10293	4.02061	4.17392	4.32063
LPP	6.26865	5.22914	6.5958	6.66575	6.20437	7.13758	6.39389	6.29809	6.08128	6.41254	6.41469	6.17788	6.45334	6.41661	6.36248	6.17362
LPP-AS2	4.73822	5.28694	4.77076	5.14188	5.47507	6.20572	5.09806	5.68373	5.49837	5.1154	5.50891	4.38384	5.67735	5.21946	5.83438	5.239
LPPR1	4.24673	5.06142	5.0159	5.10586	2.82453	5.92068	3.96139	5.26879	3.78033	5.0217	3.85675	3.72436	5.00206	4.94447	4.99281	4.18179
LPPR2	4.98524	4.69574	4.25692	5.09145	4.09367	5.54077	4.67394	4.95342	4.72058	5.29579	4.32957	4.3118	5.22673	4.79767	4.27619	5.33026
LPPR3	8.29809	7.25934	7.02852	6.80649	3.32431	5.8754	4.69773	3.60236	3.5404	3.68301	5.81672	5.54274	7.15926	4.34433	4.91109	5.52883
LPPR4	4.93295	5.89327	6.29572	5.88704	5.34251	5.08982	5.82427	6.51165	5.05885	6.02266	5.40071	6.24402	4.72178	4.9789	6.58204	5.66473
LPPR5	3.13607	2.25138	3.70202	3.53131	2.41185	2.7752	3.21266	3.84597	2.60621	2.40407	3.38255	2.49927	3.58364	2.83233	3.03907	2.48301
LPXN	7.53069	8.49751	8.4593	8.05423	7.68379	8.09031	6.68886	8.49565	8.06777	7.50595	8.15997	7.68418	7.27109	7.46689	8.06128	7.75007
LQFBS-1	3.87518	3.58335	3.23213	4.03862	2.94105	5.63647	3.76501	3.6374	2.97568	3.07203	3.72069	3.58989	2.88174	4.30792	2.9127	3.62113
LRBA	9.74251	8.86457	9.59094	9.32986	9.4359	9.21392	8.59699	8.94549	8.87038	9.16853	8.81879	8.69948	9.06728	8.80034	9.33233	9.47025
LRCH1	5.06066	5.92	6.23366	5.0536	5.54288	5.42798	4.81597	5.31323	5.1459	6.12252	5.81537	5.34643	5.43842	5.89644	5.09271	6.20404
LRCH2	5.65625	5.5295	6.30382	5.55949	6.11853	5.53483	5.88592	6.17833	5.36067	6.56837	6.53759	4.67459	2.49591	4.87894	5.60696	5.84965

LRCH3	5.91076	6.09107	6.14773	6.0987	5.55737	6.26266	6.12371	6.13088	5.76985	6.09755	5.99946	5.79553	6.17896	6.16644	6.18406	6.32509
LRCH4	6.26313	7.00304	6.53547	6.5353	6.42535	6.61197	5.80863	6.10902	6.34979	6.58066	6.54303	7.31389	6.86841	5.65728	6.70784	6.48506
LRFN1	5.65385	7.2025	6.60593	7.36361	6.87122	7.53552	7.48173	7.207	7.28789	7.09987	6.72689	7.07893	6.90904	6.9197	6.89352	7.22326
LRFN2	3.41112	2.07729	2.07548	2.85497	1.84689	2.91286	3.3753	2.04007	2.67969	2.38782	2.88166	2.79123	3.05227	2.86263	2.00801	2.79166
LRFN3	5.33688	5.24458	4.64876	5.02362	5.62483	5.8754	6.21098	2.23712	4.93727	6.06884	5.04878	3.88877	5.36439	6.02588	4.87602	4.84596
LRFN4	6.40584	5.41737	6.1733	5.06524	6.53152	7.40457	6.67783	6.6125	6.8718	6.89693	4.55333	6.72646	6.07154	6.75189	6.01377	7.03653
LRFN5	5.68623	6.03446	5.95819	5.39736	5.30926	6.13923	4.71726	5.83622	5.94368	6.55405	5.49407	5.34266	4.91397	5.60866	5.33369	6.22394
LRG1	8.32844	7.90443	6.34067	6.51863	4.80222	6.76629	3.70182	4.65546	7.28649	8.21576	7.3061	6.64604	7.06373	4.62104	5.7354	5.86926
LRGUK	7.66135	7.05539	6.14859	6.80893	6.20362	6.10352	6.22158	6.75429	6.34176	6.07564	5.98199	6.20097	6.72037	6.22411	6.57541	6.15096
LRIF1	6.53843	6.87096	7.65344	7.61077	8.65576	6.96157	6.82071	5.94393	7.371	7.45138	8.61511	7.49508	6.17799	5.17875	6.48805	6.03781
LRIG1	5.81836	4.66774	5.64645	4.91623	4.80084	5.38276	4.97556	4.5349	5.15143	5.73359	4.56661	5.01929	5.24384	5.39398	5.66008	5.34452
LRIG2	5.12234	5.86926	5.62634	4.66895	5.43429	5.99416	5.83635	5.4508	4.99102	5.55587	5.06482	5.33204	5.78871	5.14641	5.18485	5.27742
LRIG3	7.17352	7.21911	7.9697	6.77365	8.11037	7.74219	7.81222	7.63497	7.34856	7.73161	6.21558	7.47865	7.34125	9.09834	8.43605	7.60537
LRIT1	3.26635	3.27087	3.44341	2.73925	2.94105	3.0658	2.63794	3.25357	2.50218	3.07203	3.111	3.36359	2.7752	3.09139	3.20278	3.04866
LRMP	6.70112	8.22214	5.76382	7.57572	8.10844	5.6286	4.8242	5.81272	8.24425	4.56255	5.46594	6.07207	4.83933	3.81566	5.72697	7.56562
LRP1	4.58543	4.37155	4.03022	3.91963	4.35606	4.6592	4.62548	4.59949	3.86993	3.7385	4.79935	4.71298	4.23617	4.36417	4.44278	4.36139
LRP10	7.98956	8.13666	8.00595	7.46391	7.58702	7.86922	7.55694	8.0016	7.8854	8.57292	7.72291	7.75423	7.36492	6.60626	7.12845	7.46832
LRP11	11.2756	10.1887	9.89582	10.8668	9.33697	8.38687	10.1061	7.29718	9.0105	9.64667	9.15617	8.75379	8.16578	8.22559	9.16537	8.44931
LRP12	3.89312	3.81832	5.51686	3.61993	5.33296	5.47974	4.95791	3.46459	4.51815	4.52704	5.80686	4.93594	3.87292	4.81196	4.15054	5.47192
LRP1B	3.82982	1.27177	3.93627	2.43076	3.61465	1.90997	4.55321	1.14774	1.39887	2.2766	3.65202	1.77016	1.7762	0.22408	2.00801	1.77343
LRP2	2.73594	3.01059	4.92249	4.05184	3.25363	3.42226	3.71116	3.83194	5.79986	4.23928	3.56581	4.27584	5.00871	4.37418	3.60094	3.23948
LRP2BP	5.85581	2.29438	2.50291	4.68646	3.38334	2.36638	2.70047	2.52957	1.69898	2.12186	2.63321	2.93048	2.2085	3.29459	2.43868	2.04035
LRP3	4.06652	4.41344	4.46917	4.55111	4.44693	5.03322	5.30133	4.97295	4.46324	5.47218	4.57259	4.73261	5.05177	5.45177	4.65837	4.82805
LRP4	7.55574	6.10602	6.68966	7.1351	8.73434	8.95622	8.17389	6.53424	6.81286	6.04194	5.41954	7.82061	4.92092	7.46213	8.59782	5.91883
LRP5	2.67382	3.11652	2.19271	2.53988	3.56473	4.30526	3.04143	4.65852	2.96542	3.54873	3.4133	3.19128	3.56819	2.11601	2.30979	2.85757
LRP5L	6.18149	6.48524	4.90711	6.41023	7.22711	7.37885	7.21863	7.11435	6.29614	6.74858	6.14034	6.48488	6.54946	6.91213	6.70136	6.15937
LRP6	7.13836	5.99118	6.81741	6.08375	6.47126	6.10475	7.26944	6.1546	6.21417	6.89428	5.96696	6.86345	6.42945	6.63039	6.84862	6.70289
LRP8	6.51684	5.86149	5.66479	5.77186	6.24397	6.09988	6.13777	6.53281	5.50938	4.43372	6.92962	6.56131	6.4299	6.53064	6.95257	6.1544
LRPAP1	8.37142	7.95572	8.47529	7.82446	8.4383	8.53799	7.05016	7.58312	7.04994	8.74074	7.24167	8.50217	7.44901	8.58624	8.41149	7.58648
LRPPRC	8.37262	8.09817	7.61729	7.80162	8.56669	8.53855	8.80228	8.68521	8.2533	8.16376	8.11439	7.86658	7.97582	8.58812	8.65925	8.65431
LRR1	5.10291	5.1339	5.38528	5.11788	5.22214	4.62733	4.14815	5.29895	5.30158	5.32348	5.8259	5.02733	5.54615	4.57737	4.94776	5.6132
LRRC1	7.16613	6.81894	6.69966	6.8806	7.71463	7.0023	8.28007	7.30433	7.23414	6.9368	6.7877	6.00457	6.93646	7.82939	7.23363	6.93602
LRRC10E	9.18662	8.137	4.00732	8.08445	3.55491	4.5181	3.39293	3.56906	6.65718	4.29458	5.22666	6.70344	5.92496	5.26311	5.25341	5.62746
LRRC14	6.7883	6.69321	6.32792	6.89356	6.71592	6.15536	7.08361	6.40819	7.44685	6.12063	6.50907	7.74315	6.22135	6.84076	5.50973	7.34643
LRRC15	6.16037	3.57207	6.51597	4.39832	6.06505	5.20492	5.15954	6.41548	5.25162	4.56925	5.57261	6.63674	5.33954	5.71324	6.53336	6.14455

LRRC16A	5.25519	5.74348	5.01734	6.5788	6.07584	5.95457	6.64457	7.02928	6.30196	5.84548	5.6902	5.06482	6.42667	5.35896	5.80324	5.64462
LRRC16B	7.43963	7.18456	7.19321	7.28271	7.40732	7.38957	7.19145	7.44928	6.745	7.69724	7.1202	7.4409	8.0316	7.35321	7.33012	7.69946
LRRC17	4.69793	5.01495	3.88863	4.43867	5.28791	4.70927	4.14737	3.27919	5.1853	5.08327	3.871	4.63552	4.23557	3.97633	5.52519	4.31815
LRRC18	8.82218	7.27451	6.59456	7.73431	6.89934	7.02275	6.61659	6.9078	7.0306	7.04472	6.57488	6.92808	6.98687	6.71047	6.60577	7.07279
LRRC19	3.25147	2.21392	1.26539	3.45327	3.30882	2.58692	1.37571	3.49069	1.18021	1.74155	1.20713	4.20427	1.35312	1.64103	1.85273	2.07548
LRRC2	5.18115	2.40128	4.26239	5.20172	5.13232	4.08195	4.19674	2.97414	1.73098	5.57834	3.23826	3.3177	4.70017	2.26908	2.97095	5.02484
LRRC2-A	2.83473	2.77081	2.81121	3.5907	3.38334	2.58692	2.1009	4.92969	2.73661	2.75002	4.0196	3.72108	3.10377	3.27909	3.37408	3.28662
LRRC20	5.21272	5.34065	2.53621	3.83907	5.26046	4.58796	5.08709	5.38853	4.16584	5.67897	4.41154	4.66991	5.81769	5.66958	5.31252	3.20278
LRRC23	9.21728	6.75126	3.23213	8.13938	3.73869	2.88086	2.67152	2.70064	3.79382	3.20323	2.86424	5.3962	2.66449	3.77151	3.40607	3.12132
LRRC25	4.57039	4.06571	3.93627	4.3989	3.88843	4.30957	4.75355	5.01102	3.92436	4.10188	4.84579	4.69839	4.77152	4.1099	5.08582	4.41123
LRRC27	6.10715	6.56368	5.8727	6.28827	5.37368	5.39578	5.22343	5.52702	6.19338	5.13011	5.5755	5.76053	6.27322	5.69427	5.80066	5.83
LRRC28	4.53865	5.42135	5.49147	5.09551	5.07278	5.48013	5.33606	5.2212	4.91397	5.03273	5.12406	4.96907	5.37333	6.11701	4.91702	4.69418
LRRC29	3.75698	2.44316	4.03916	3.94629	4.61811	4.4107	3.94849	4.07245	3.76729	4.94262	3.60024	3.51602	5.89071	3.51712	3.34075	3.80262
LRRC3	2.65839	2.39163	3.28947	2.50291	3.03309	3.04945	2.56625	3.45352	2.50218	3.18735	2.8192	2.73426	2.68899	2.91144	3.38625	2.90822
LRRC31	3.23662	4.33402	2.02586	2.69863	2.18367	1.81697	2.45415	3.08616	5.87508	6.4835	2.24458	2.61134	3.14193	2.01506	2.63378	2.84751
LRRC32	3.04535	3.42761	3.11137	2.81334	3.2065	3.13279	3.16512	3.25357	3.29007	2.83032	3.19795	2.99228	3.17825	3.34999	3.58891	2.36473
LRRC34	8.08445	6.79214	4.80155	7.73627	5.66845	5.69455	4.41965	5.50389	6.04427	5.46335	5.36254	5.59457	5.40477	5.09944	5.47057	5.22858
LRRC36	7.1301	5.84555	3.7147	5.34279	5.00222	4.56285	6.63097	4.21937	5.62571	4.20362	5.50599	4.44519	4.51744	4.92635	5.84738	6.12395
LRRC37A	6.16685	6.14773	6.57	6.54142	6.5239	7.52478	6.56491	6.32085	6.13585	7.32444	6.83051	5.77151	7.02957	6.28605	6.85738	5.88528
LRRC37A	5.20188	5.75858	5.72497	6.66101	5.53472	6.21121	5.96394	5.2376	5.76967	5.62225	5.84528	5.67487	6.72122	5.0616	6.00192	5.98768
LRRC37A	8.04247	7.24986	7.42774	8.17051	7.16495	7.43605	7.85642	7.81346	7.45765	7.34065	7.44259	7.67994	7.14818	6.49826	7.48498	7.98508
LRRC37A	2.00108	5.59687	4.67099	2.36312	1.97947	2.95599	2.98815	4.92969	1.69898	5.12105	4.56115	1.63685	3.34323	3.05474	1.78116	2.4155
LRRC37B	3.19594	2.44316	3.56906	2.55745	3.29261	3.11933	3.25433	4.53792	3.29007	3.47656	2.07483	3.72982	3.37673	3.16811	4.8213	3.89582
LRRC38	6.10275	6.45625	6.17111	6.55391	6.06808	6.43785	5.7789	6.36077	6.25692	6.07145	5.91823	6.20003	5.53273	6.24994	5.82511	6.26771
LRRC39	3.41991	3.31714	3.94748	4.38674	4.43897	3.29411	4.7155	4.37155	3.49162	3.59749	3.31071	3.68482	3.75544	3.32081	3.63678	3.64264
LRRC3B	3.88851	1.8084	1.85463	2.03633	1.00765	4.10435	3.0573	2.70064	4.40538	5.20259	4.11419	1.07852	2.88174	2.05268	1.97136	2.36473
LRRC4	4.26669	4.22688	4.33416	3.6916	3.6922	3.76182	3.818	4.23662	3.75611	3.80685	3.32655	3.66815	3.80685	3.58891	3.63405	3.90548
LRRC40	7.73968	7.71255	7.81607	7.79666	7.93762	8.17252	8.20284	7.3133	7.33981	7.79551	7.59371	6.81999	8.17389	7.94682	8.02662	8.02774
LRRC41	4.94776	5.07559	4.76519	4.42002	4.9692	5.3496	4.77035	5.09969	4.35054	4.76901	5.2306	5.08081	4.7932	5.07937	4.70881	4.59565
LRRC42	4.80682	4.13607	4.06856	5.32271	6.42714	5.87276	5.52025	5.36903	4.65881	3.41751	6.24596	4.36401	3.54537	6.24994	5.69841	5.26217
LRRC43	6.20604	5.67778	3.94704	5.38601	3.71527	4.20101	4.62412	4.18147	4.81648	3.5479	4.52861	5.87819	4.13444	3.94138	4.67154	3.99337
LRRC45	6.69747	7.29816	5.66058	6.46539	6.46539	6.80168	7.08726	7.51158	5.70877	7.21997	6.85136	7.24097	7.33479	7.39338	6.08635	6.92903
LRRC46	10.2955	8.16431	5.60407	8.68047	5.28554	6.3267	5.24763	4.47013	6.87697	4.50692	4.41516	6.8223	4.26599	5.21683	4.41563	3.95789
LRRC47	9.51684	9.16853	9.43005	9.43871	9.4367	9.18772	10.3679	9.76458	9.43324	9.47585	9.27986	8.25253	9.23192	9.8453	9.91148	9.26222
LRRC48	7.46304	5.85971	3.97214	6.71311	5.64985	4.75221	4.796	4.45895	5.83304	4.29854	5.12636	5.68579	5.24525	4.86873	4.49747	4.85212

LRRC49	8.8333	7.37495	6.49318	7.97619	8.15863	7.49746	7.96091	7.15338	7.19036	6.98862	6.47236	7.16758	7.49816	8.01263	7.25271	7.0573
LRRC4B	3.38024	2.84393	2.99564	4.24629	2.89774	2.5608	3.32901	3.43351	2.73661	2.42411	2.18694	2.15748	3.07124	2.99448	2.21248	3.08868
LRRC4C	6.14957	4.27051	5.29458	4.88861	4.79343	4.9771	5.1312	5.54093	5.23042	6.11134	4.74319	5.38104	6.20362	5.16359	5.49037	5.62589
LRRC52	5.99359	6.85121	6.53362	3.51493	5.96948	6.77226	6.30615	6.17633	6.27756	6.73346	6.19367	6.63574	5.93008	6.21387	6.1524	3.85415
LRRC55	5.66152	5.56093	4.38374	5.5717	5.11124	5.26854	6.81021	6.13354	3.87677	3.98113	3.69464	4.08601	5.59895	5.0094	5.93911	5.8013
LRRC56	8.17903	7.45547	6.7349	5.91663	6.71089	6.0029	6.1223	6.49559	7.54204	6.73025	5.28977	7.08047	6.66557	6.43147	6.14843	6.12395
LRRC57	5.63112	6.92054	6.64525	6.01673	6.64457	7.17259	6.58326	6.14773	6.92002	6.47407	6.51846	6.46387	6.44292	6.61815	5.74152	6.99511
LRRC58	5.0069	4.99281	6.27927	6.35326	4.95585	5.36602	5.67812	5.03866	7.12767	5.72828	5.61268	5.71193	5.30772	5.77873	6.28889	5.39781
LRRC59	5.09175	5.70887	5.30926	5.2994	5.51296	5.34613	5.30672	6.02327	5.57304	5.82175	5.75768	5.244	5.53424	5.64719	5.16648	5.38601
LRRC6	8.80295	7.35149	6.80898	8.12106	6.82575	6.31363	6.34446	6.46724	7.02866	6.46809	5.96837	6.91517	6.17384	6.63258	6.92174	6.80889
LRRC61	7.04514	6.3798	5.61659	6.53713	6.1019	5.7251	4.85299	7.07077	6.65563	5.19273	5.02623	6.39148	5.74785	7.20184	6.23157	6.19135
LRRC63	4.54741	4.06571	0.71928	4.42279	2.53024	4.1494	3.91631	1.22235	4.24079	3.13394	4.06326	0.22408	3.38837	0.89896	3.82329	2.90822
LRRC66	6.46837	6.65833	6.43274	6.0536	5.84343	7.02816	6.86547	6.92888	6.71622	7.48498	5.70745	5.58627	6.34146	6.22225	6.50024	6.68208
LRRC69	4.63015	2.01809	3.97828	3.35104	4.25669	2.36638	6.68966	5.97974	3.44034	3.78199	3.88263	3.53998	2.66449	3.90216	3.17223	3.24808
LRRC7	2.31976	2.2279	2.26326	2.37075	4.50459	2.09472	2.62644	2.54725	2.05361	1.8545	2.55373	2.16744	3.27385	1.55742	2.9047	2.44811
LRRC71	8.65871	6.66575	4.31281	7.2685	4.07562	4.0873	2.53476	5.99145	5.53587	6.21895	4.06326	5.44151	4.31215	4.13014	4.42197	4.32063
LRRC72	6.92615	6.45737	5.65207	5.99734	6.15674	5.81943	6.11045	6.77648	5.90883	5.88638	6.03972	6.4954	5.92669	5.8501	5.41994	6.76898
LRRC73	8.05395	6.86948	5.74444	6.52082	5.16332	6.29087	3.10453	6.72816	6.50501	6.68558	6.42817	6.87959	5.77662	5.90555	6.78548	5.6819
LRRC74	5.3574	5.94931	5.21576	5.77673	4.79903	5.01008	5.89038	5.94835	4.79121	5.77903	5.03249	4.45763	5.16743	5.18024	4.71759	5.1517
LRRC75A	1.26457	1.54402	2.52296	1.67907	2.55772	1.73976	2.1009	1.51119	2.5663	1.69907	1.54854	1.63685	1.68682	1.97057	1.55502	3.12132
LRRC75B	4.77788	4.37824	5.72103	4.33776	6.39124	4.54145	5.99432	4.4329	5.49487	5.23875	4.78492	5.13192	5.38506	6.36658	5.42251	5.0464
LRRC8A	6.04203	5.37013	5.50917	6.13317	5.47877	5.86136	6.04759	5.44754	6.03368	6.0737	6.16248	5.79795	5.40153	6.10182	6.00856	5.65011
LRRC8B	5.87573	5.8691	5.10912	5.15827	6.19282	5.18283	5.97118	5.79533	5.10291	5.94238	6.1223	6.51789	5.81064	5.75253	5.72448	6.00238
LRRC8D	9.5431	9.48779	9.82582	9.74618	9.18179	9.3856	8.93814	9.47426	9.55087	9.84851	9.08426	9.63482	9.22763	8.69915	8.74907	9.87831
LRRC8E	5.66433	3.47669	3.35104	5.39317	4.03799	4.36849	5.31252	3.20642	4.64127	6.14288	4.5638	3.2312	4.30232	3.59313	3.5606	4.72646
LRRCC1	6.09415	6.74577	7.00326	7.03561	6.7568	6.55623	8.08164	6.34947	5.97794	6.60482	6.46097	6.15139	6.69747	6.87773	7.20682	7.73646
LRRD1	4.85757	4.68339	5.73152	5.33258	5.34691	5.59245	5.4508	4.35762	4.98761	6.0027	5.53434	3.89608	5.44722	5.54389	3.64338	5.14155
LRRFIP1	8.21223	7.31308	7.60365	7.36274	6.82071	7.23281	7.82408	7.49498	7.81409	7.29733	7.42093	6.86547	6.82962	7.03928	6.98315	7.06524
LRRFIP2	6.02213	5.69841	5.99473	5.32055	5.45997	5.64095	5.77092	5.62516	6.16356	6.19167	5.53739	6.14992	5.40016	5.85529	5.24471	5.87008
LRRIQ1	6.49359	6.03751	5.93612	4.74107	5.77051	4.90919	3.20323	5.08644	5.22807	5.6287	2.13586	5.19446	4.006	5.47358	4.95919	2.5569
LRRIQ3	7.67213	5.4639	5.93413	7.6526	3.83749	5.3654	5.65647	4.7199	5.76673	4.4239	6.05504	4.63871	5.15027	4.75373	5.97806	4.9646
LRRK1	3.24634	4.93183	3.36917	4.23277	4.29253	4.63911	2.51778	4.30232	3.35869	2.02868	4.31046	3.60443	3.24634	4.09906	4.62832	3.3081
LRRK2	6.05271	7.02591	6.88386	6.55968	6.87934	6.56324	5.45881	7.0208	6.86436	6.95938	7.82492	6.63574	5.84195	6.46086	6.47656	6.36544
LRRN1	6.38874	6.85804	4.78915	6.00481	7.76272	5.72931	5.2506	1.54991	5.52482	5.69927	3.38676	5.46793	3.17825	5.36972	5.46222	4.72447
LRRN2	2.69625	3.19594	2.88648	1.98412	2.74824	2.75605	2.36895	2.54448	2.69546	3.31564	3.07422	3.0257	3.06525	2.39581	1.54716	3.19417

LRRN3	5.03438	5.86281	4.71007	5.22506	5.71831	5.49394	4.43243	6.01803	4.86411	5.14439	4.59565	6.07014	4.50053	5.32026	5.28927	5.88242
LRRN4	2.59723	2.64854	3.01476	2.7326	2.88166	1.97795	2.75034	3.30245	3.50285	4.03862	2.94842	2.92647	2.24733	3.06895	2.71818	3.36436
LRRN4C	6.53972	5.70337	7.18221	5.79452	6.24434	6.8266	6.53623	6.85308	5.94746	7.74052	6.54459	6.03179	6.94009	6.43957	6.99156	5.5093
LRRTM1	3.17857	5.21138	3.98497	3.41062	4.62927	4.33243	3.94849	5.56628	6.05531	5.58409	4.3863	5.3654	4.88165	5.34843	4.4703	3.53602
LRRTM2	3.94748	6.45211	6.18497	3.31099	5.47507	4.69149	5.18039	3.06557	3.49474	3.57327	5.06968	5.4728	3.42036	5.36454	2.82464	4.3381
LRRTM4	4.61264	5.3348	4.39215	5.24358	5.12769	3.22527	5.55517	4.82189	5.11278	4.67521	4.67727	4.6561	5.59525	4.66808	4.97312	5.01553
LRSAM1	4.75435	3.98921	5.2358	4.37886	4.4803	5.0714	4.58543	5.5046	4.25904	4.5181	5.62881	4.70017	5.34812	5.22214	4.83683	5.15941
LRTM1	3.3722	3.82859	3.03549	3.44868	4.34414	3.97544	4.42658	4.3896	3.80861	4.53938	3.48948	2.96846	4.23481	4.23345	4.3157	3.51731
LRTM2	7.23672	6.01017	6.25521	6.82216	6.49429	6.6866	6.19774	6.49041	7.03517	6.53433	6.06626	7.02558	6.83975	6.39959	5.8045	6.31288
LRTOMT	6.4954	5.67796	4.70927	5.75747	4.42849	4.80436	4.7864	3.85936	2.92993	4.19738	5.49192	5.45648	5.26854	5.16778	4.02952	5.13353
LSAMP	4.97169	5.08822	5.11141	5.7151	5.99457	4.69635	6.54427	4.86432	4.96072	5.0129	3.48161	5.13493	4.28409	5.60601	6.15156	5.27655
LSAMP-A	2.72538	3.4933	2.85145	2.67969	3.71929	2.74824	3.44209	3.02948	2.07939	2.34717	2.45719	2.8813	3.73495	2.70047	2.98901	3.99805
LSG1	8.1411	6.70196	6.82297	6.10848	6.54574	6.67233	8.48187	6.3569	8.36324	6.49835	6.6608	6.63002	6.95333	6.43057	7.72243	6.1892
LSM1	9.74441	9.52486	9.39963	10.4362	9.22423	9.90115	9.21483	10.2283	9.01581	9.03694	9.30096	9.27986	10.3441	10.058	9.4363	10.0518
LSM10	7.79491	8.79047	8.76514	8.71787	8.60967	8.53336	7.22111	7.53886	8.42344	8.28095	8.71077	9.73529	9.40267	8.35656	8.15642	8.54777
LSM11	4.46942	5.12697	4.68457	4.9034	5.25704	4.50759	4.67994	4.69482	4.59673	4.53092	4.49015	4.94613	4.82982	4.76854	4.97661	5.08271
LSM12	5.9271	5.96381	5.24413	5.32026	6.0422	5.62311	5.68373	5.30704	5.56719	5.42053	5.90118	5.24722	6.16231	6.49883	6.34748	5.98842
LSM14A	8.83871	9.17731	9.16038	9.09834	9.07714	9.64667	9.72915	9.48636	9.27873	8.87147	9.09551	8.4499	8.52211	8.86712	9.50597	9.25237
LSM14B	4.28945	4.32423	4.17154	4.79121	3.90348	5.03614	4.27418	3.93337	4.53029	3.87338	4.46262	4.80498	3.53819	4.4478	4.00539	4.1352
LSM2	6.86908	7.58677	7.19882	7.82907	8.10034	7.59557	7.57212	7.13969	7.52478	7.35304	7.91964	6.95088	8.12675	8.82891	8.07286	7.82119
LSM3	7.24701	7.27438	6.45669	7.51588	7.59995	7.3713	7.45339	6.93736	7.42208	7.33114	7.33012	7.4092	7.86759	6.18553	6.59858	7.9074
LSM4	6.93843	7.10353	5.588	6.40159	6.34748	6.9116	5.30178	6.72362	6.23233	6.07712	7.52561	7.72291	7.34509	8.1215	6.43815	7.65751
LSM5	7.83845	7.82787	7.46892	8.0146	8.55452	8.46911	8.4612	8.22515	7.78837	7.25444	7.93589	7.75805	9.21392	8.28836	8.36016	9.09834
LSM6	8.56834	9.01865	8.90826	9.4421	9.28755	9.42229	8.65235	8.16993	8.47572	8.56536	9.36777	9.02455	9.67	9.40525	8.49143	9.50087
LSM7	7.94023	8.28122	7.5588	7.93267	7.39951	7.90074	7.1267	3.31083	5.88266	6.63564	7.98012	8.56536	9.28645	8.38627	7.65794	9.12731
LSM8	7.28627	7.21707	7.53288	7.37813	7.70787	7.61117	7.89457	7.13821	7.23263	7.10661	7.08047	7.21707	7.32884	6.94457	8.07142	7.91731
LSMEM1	5.19496	4.73504	4.46104	5.29087	3.93204	4.62117	6.55493	4.79781	4.55446	4.92331	5.37997	5.45776	5.26807	5.6657	5.05088	5.32234
LSMEM2	2.75185	4.91374	5.90087	3.1994	2.2597	3.25596	2.1009	5.00561	4.00589	1.92074	2.18694	1.87757	2.6465	2.83991	2.00801	1.98412
LSP1	6.76162	6.11134	6.58754	5.8555	6.33628	6.45345	6.18212	7.35181	7.67668	6.03991	6.52595	6.97076	6.46097	6.07557	6.45655	6.08596
LSR	4.35866	3.77816	3.66581	4.54239	5.23021	5.46179	5.76985	4.43413	6.07188	6.05696	5.53911	6.16815	4.95044	4.87322	5.1212	6.21372
LSS	6.65458	5.41144	6.15085	5.79211	6.53163	6.24994	6.67683	6.30059	6.42868	6.20644	6.28468	5.71246	6.3343	6.3538	6.53649	6.09202
LST1	5.78258	7.77708	6.66709	7.62466	6.97441	7.34748	5.9634	6.61588	7.20199	5.20492	7.78156	7.85368	8.2233	6.69561	7.6495	6.80762
LTA	3.13246	4.79439	3.74811	4.52648	3.7606	3.54848	3.64382	4.69169	3.48123	3.50939	3.99549	3.15604	3.83289	3.52815	3.38625	3.55993
LTB	8.52134	8.48891	9.19307	9.62162	8.46973	8.72304	7.8236	8.93625	8.28436	8.40549	7.94114	10.163	8.59531	7.14827	8.72779	8.24731
LTB4R	4.83644	5.07126	4.28816	4.52039	4.91905	4.51964	4.9034	5.08801	4.99999	3.9372	5.42595	5.67859	5.35652	3.40514	4.91796	4.11705

LTB4R2	2.55807	2.74824	3.07458	2.22193	2.87786	1.59197	2.0296	2.78286	2.22165	4.81582	4.94764	2.71947	1.89786	2.25724	3.16274	2.10224
LTBP1	6.25012	7.56462	7.35989	6.5764	6.1231	7.19582	7.10661	6.24612	6.8648	6.82962	6.92712	6.22135	6.32459	7.06005	6.44728	8.05423
LTBP2	7.17305	6.57028	8.61743	6.99729	9.32763	7.8368	7.59959	8.84762	7.72774	8.41335	7.96917	8.47782	6.46905	8.15363	8.11737	9.23319
LTBP3	7.22787	6.91829	6.50219	6.51112	6.21535	6.41846	6.35611	5.17184	6.25137	6.64457	6.01341	7.29733	5.94405	6.55896	6.69482	5.01477
LTBP4	5.36162	5.55094	5.35512	5.38475	5.07366	5.56963	5.53761	4.66808	5.67691	6.26341	5.23969	6.14323	5.09944	5.8274	5.53161	5.03733
LTBR	5.2576	5.36392	5.40444	5.29895	5.79835	5.25952	5.43821	5.70701	5.72881	5.82205	5.3328	6.19859	5.41283	5.7048	5.6699	5.70562
LTC4S	2.13523	4.00768	2.00164	3.48474	2.10233	2.36638	2.27576	1.51119	2.95663	5.08139	3.41787	4.72621	3.68721	2.68036	1.94998	2.04035
LTF	11.9991	12.2456	12.5041	11.8493	3.36671	9.15586	5.98416	7.58963	9.92274	12.6989	2.98436	10.0472	3.32016	3.07586	3.46534	3.34078
LTK	4.62693	4.74575	3.20866	4.40483	3.1574	4.35384	3.98277	4.55606	4.15084	4.19903	4.06039	4.71816	3.22508	3.474	4.22024	4.02009
LTN1	3.96188	4.41563	5.37627	3.83088	4.58852	3.94028	4.28687	3.96455	4.0197	4.26456	4.71736	3.66538	4.56149	4.20529	3.61563	4.11653
LTV1	6.54	4.31151	6.69137	8.18359	7.2798	7.12396	7.38474	7.4156	7.22538	6.25249	7.27538	6.63278	6.984	7.21844	7.03517	6.76182
LUC7L	7.58986	7.56369	7.88283	7.0461	8.15363	7.44871	6.66257	7.75071	7.16026	7.4267	6.9225	7.71057	7.47951	7.0472	6.86811	7.02035
LUC7L2	7.88283	8.07048	7.58615	7.5514	8.29403	8.25902	8.36759	8.26134	8.45696	8.49069	8.08673	7.24262	8.48507	8.32337	9.31073	8.95531
LUC7L3	8.41228	7.8012	8.77677	8.3093	8.15443	8.58199	8.78881	7.99918	8.40549	8.34556	8.13104	8.22037	8.08867	8.35311	8.26769	8.15909
LUM	8.18565	8.74164	9.71962	8.7731	8.9415	8.65357	8.23743	9.21274	8.97745	8.70701	8.60131	8.4259	8.61369	8.2233	9.87831	8.68099
LURAP1	6.88328	6.62906	6.93148	7.16799	6.78863	7.23414	7.5588	6.59641	7.48872	7.15366	6.80913	7.30165	6.9925	7.23854	7.47512	7.40347
LURAP1L	7.76731	7.48173	7.62923	8.17633	7.79159	8.31666	7.84266	6.94031	7.81085	8.34337	7.30494	7.5326	7.16126	8.34481	7.82907	7.08439
LUZP1	5.54035	5.57155	5.78857	5.90894	5.66409	5.8151	6.11953	5.86382	6.2531	5.49848	5.90869	5.69697	5.95026	6.18701	5.9893	5.43322
LUZP2	4.95075	6.10884	5.19903	6.52222	4.97974	5.64899	6.24733	6.03632	5.84112	5.24846	5.49101	5.89557	6.48199	5.83775	5.19592	5.71685
LUZP4	2.75185	2.79266	2.89422	2.40724	4.71358	4.03667	2.8619	4.99236	5.30524	3.34275	3.8925	5.339	2.73615	3.6144	3.13607	2.22886
LXN	8.9255	9.05155	9.12668	9.45199	7.41748	7.70929	7.80998	8.43657	7.71733	8.90524	7.67366	7.46659	7.46862	6.27509	7.59703	7.11663
LY6D	7.97709	8.3979	7.55068	7.00077	6.77897	6.97977	10.0259	7.92703	6.94359	7.25999	9.32203	6.31925	6.36968	7.1641	6.32382	7.10094
LY6E	7.33244	7.16663	5.95993	5.61646	6.54152	6.72429	7.81318	7.57115	7.69505	6.84064	7.70723	7.89111	7.80198	7.3118	7.24729	7.45828
LY6G5C	7.0308	5.493	6.18392	7.01098	3.49824	5.92343	3.18384	6.23787	6.32843	4.9891	5.41426	6.91433	6.46401	3.98175	6.00788	3.34078
LY6G6C	4.07206	5.62378	4.36849	3.28542	4.06784	3.18781	2.61298	4.59647	5.6566	4.3268	6.29463	5.74024	5.14648	4.33558	5.03876	3.01871
LY6G6E	6.31688	5.67407	5.9206	4.24629	5.9482	5.57693	3.32901	4.33496	5.86679	5.71403	3.82034	5.07511	1.63986	5.19549	5.18256	4.99899
LY6H	5.14458	5.93216	5.64993	4.99785	5.29145	4.48862	5.41755	6.31886	4.84059	5.98834	4.5939	4.69529	5.11124	5.30223	4.59688	5.95076
LY6K	3.85675	4.16067	3.75252	3.38957	3.47527	4.20714	3.74247	3.55916	2.84996	4.13181	4.44065	4.43596	4.51071	4.05092	4.72447	3.45081
LY75	9.18662	8.91007	9.19438	9.20992	10.4243	8.32844	9.40387	8.64898	9.82345	8.66913	8.45387	8.1547	8.99433	8.34233	10.2804	9.28755
LY86	8.51364	9.9517	9.12408	9.26978	8.71998	8.62066	7.31977	8.59509	8.9238	8.73001	8.68099	9.35144	8.6	7.13411	8.43072	8.81366
LY86-AS	3.90488	3.35015	3.47335	2.89103	3.86393	2.84996	3.48275	3.47956	4.19043	3.91544	4.25266	3.42962	2.58413	4.17372	3.93679	3.74494
LY9	5.22203	6.81974	6.21045	6.69517	6.14938	5.88764	4.17905	5.79014	6.35993	4.87555	4.30457	6.07171	4.27584	3.83335	5.43578	5.66671
LY96	7.73044	9.08964	9.62902	9.29827	8.81813	9.04557	8.64603	9.88929	9.20892	8.64334	9.37224	6.42879	9.52327	8.07098	8.83871	9.4407
LYAR	7.09188	7.05041	7.76388	7.33012	6.71848	7.39879	8.10258	8.23238	8.01932	7.1334	7.82408	7.88441	7.8917	7.40525	7.44574	7.56421
LYG1	3.72099	4.15069	4.81549	5.11677	6.79643	5.74089	6.86032	6.66036	5.58889	5.63576	5.42215	6.03535	5.60935	6.63752	5.18903	5.21189

LYG2	2.58692	1.01454	2.98152	1.33008	1.42806	1.4697	1.32308	2.37778	2.76258	1.35594	1.32308	2.34474	1.53958	2.79431	0.88665	1.32709
LYL1	3.22144	5.3987	2.94797	4.47048	3.49824	2.81599	3.99724	2.8638	3.40648	3.50939	3.95578	5.02213	2.96494	2.62575	2.82464	3.80262
LYN	8.65782	9.34402	8.74074	8.86001	7.19582	7.98156	6.47083	8.21863	8.94055	8.19574	9.02566	8.24872	8.89519	7.54948	8.3687	8.57166
LYNX1	5.45118	7.00737	5.43378	6.2605	5.58686	5.68136	5.40272	5.30268	5.54631	5.81578	6.75415	5.80045	5.37003	6.35401	5.58246	5.29643
LYPD1	4.6618	4.06571	4.9024	4.11572	4.52738	5.6174	6.89051	4.20167	3.69577	4.13002	5.76559	8.10456	5.80853	8.40648	6.9961	6.88068
LYPD3	4.99067	5.23996	4.16313	5.17119	5.15416	5.03249	10.8188	7.27922	8.01487	5.02776	9.51426	4.73008	4.65266	7.53403	8.02589	5.25696
LYPD4	1.22627	3.05368	3.55528	3.18907	2.84032	2.295	3.41704	2.90106	2.86866	2.81532	3.65547	3.47862	4.35634	4.31281	3.44117	2.42582
LYPD5	3.53756	5.38125	5.9165	3.02476	4.39851	3.77609	5.2912	4.39128	4.66437	5.44823	5.84555	4.13909	4.44582	5.85906	4.74294	3.97214
LYPD6	3.59313	3.90229	3.81102	4.4881	4.06264	4.1555	4.47486	3.4274	5.33697	4.07228	3.74466	3.62589	4.8294	4.40873	4.31354	3.44995
LYPD6B	8.43886	8.10655	7.06749	7.5276	6.89231	6.63803	7.56811	6.43834	8.28751	6.38025	6.69377	6.48329	6.49925	7.65092	6.94494	5.776
LYPD8	3.71758	3.47903	3.72029	3.05512	4.20135	3.12738	3.32081	4.73058	4.15938	3.61691	3.52249	3.75928	4.37538	4.46469	3.99706	4.3025
LYPLA1	9.02566	9.5648	9.77946	9.67089	8.40189	9.3797	9.9764	8.42298	8.64113	8.94258	9.4206	9.1073	10.4989	9.96379	9.78521	10.2725
LYPLA2	6.62536	6.84693	6.97525	6.74684	6.0737	7.22511	7.19867	7.57624	7.00261	7.39967	7.35459	7.20098	7.41405	7.43963	7.16026	7.42868
LYPLAL	8.00881	8.64334	8.55121	8.8522	9.23508	9.41176	9.4479	8.11303	8.56201	8.12509	8.25461	8.36651	9.70802	9.48636	9.38644	9.97305
LYRM1	8.27775	9.0861	7.3591	8.69304	8.53692	8.00813	7.769	8.64636	8.46273	7.86279	8.37199	7.85403	9.04127	8.1881	8.49302	9.08426
LYRM2	5.62492	6.0088	5.95954	5.84953	5.74926	5.82134	5.38965	6.27756	6.21942	5.88955	6.33721	5.72846	6.66976	6.08039	6.21719	6.33063
LYRM4	5.93676	6.29917	5.57083	6.36248	6.65436	7.28649	5.55247	5.70304	7.05207	6.74754	7.40525	6.29418	7.67654	6.10669	6.33704	6.43229
LYRM5	8.57084	8.8844	8.89125	8.96148	9.53392	8.33216	8.75484	9.30766	8.84184	9.26222	8.46301	7.70512	9.51497	8.31785	9.15368	8.84845
LYRM7	7.19916	7.1494	6.94306	7.43254	6.89788	7.5063	8.4721	6.82532	7.65275	7.25934	7.11782	6.50605	7.41093	7.66787	7.54861	7.12767
LYRM9	6.09276	4.79121	5.77244	5.46691	5.76729	5.84395	6.20951	6.35062	5.3965	5.98237	5.25573	5.95993	5.97145	5.84569	6.01991	5.68335
LYSMD1	4.38384	4.16408	4.37989	5.41414	3.27783	3.40348	3.77935	4.19473	6.32278	3.36001	3.74792	5.07937	6.46984	3.77151	4.80513	3.80861
LYSMD2	9.34899	9.96791	9.78521	9.91148	9.39051	9.10034	8.21161	9.99925	9.6967	9.0861	9.74393	9.53523	9.42229	9.03131	10.1423	10.5826
LYSMD3	8.22645	7.5412	8.72158	8.06678	7.53627	7.66624	7.68368	7.6091	7.49498	7.30897	7.75974	8.1556	7.26605	7.45812	7.58402	7.43943
LYSMD4	7.49082	8.05719	7.50244	7.27309	8.11291	5.99877	6.8567	8.39725	7.30355	7.10387	7.67515	8.80058	7.19234	7.87515	7.46213	7.84936
LYST	6.60271	5.88924	6.85101	6.6373	6.32556	7.0755	6.13229	6.43573	5.14709	5.86	5.85483	6.51846	6.40207	5.49916	6.46606	6.2306
LYVE1	4.79043	4.64112	5.00103	3.44534	4.55074	4.48397	3.84364	4.94203	4.21884	3.35104	4.79518	4.49757	3.52473	3.95427	4.06288	4.19082
LYZ	9.96791	9.47585	10.0722	9.07205	8.41433	8.29921	6.59465	9.4407	9.80516	11.8493	9.07924	8.95432	9.80516	8.89125	7.64835	8.71563
LYZL1	2.98506	5.35328	5.40086	3.24321	3.59057	4.3237	2.8619	3.90071	4.61934	5.30184	2.91487	2.66471	3.46411	2.57571	4.29394	2.99971
LYZL4	6.6466	7.14347	6.93283	7.03035	6.76133	7.14091	7.31475	8.34289	6.64563	7.43254	7.04694	6.68752	7.41008	7.00752	7.13317	7.06876
LYZL6	3.4567	2.56774	2.98152	3.3738	3.24511	3.15165	3.31153	2.81438	3.27349	3.42914	2.99709	2.36593	3.61424	3.36587	3.29289	3.4643
LZIC	6.4906	6.75356	6.2401	6.45045	6.57067	4.58668	6.79746	6.39124	5.54814	5.78123	6.8657	6.32556	6.86762	6.67015	6.57174	6.49605
LZTFL1	6.54712	5.51081	4.74067	6.54672	5.89412	4.87854	5.43961	5.15808	4.8832	5.14329	4.37538	4.74876	4.75654	5.18485	5.57947	5.68446
LZTR1	7.30569	7.38342	7.64677	6.76838	7.47778	7.67639	8.01193	8.18061	8.14751	7.64601	7.58583	7.69369	8.09594	7.90495	7.96606	7.57441
LZTS1	3.91364	3.65314	4.59778	4.55035	4.69482	4.66938	4.58796	4.43516	4.05411	4.55632	4.34603	4.72831	5.54532	5.07178	4.7593	5.05959
LZTS1-A	3.64066	4.48984	3.02585	3.13915	3.50802	3.8659	5.78423	5.43602	3.15245	3.65408	5.59972	3.6339	5.54035	3.95895	6.15075	5.42382

LZTS2	5.45744	5.73265	4.7723	5.2126	5.68541	5.3795	5.1134	5.39029	5.68136	6.06247	5.49998	6.55737	5.68401	5.32281	5.65011	5.52073
LZTS3	6.85882	6.51957	4.61283	5.9677	6.21853	5.28652	4.67019	5.39962	5.98188	6.76466	4.81597	4.84165	5.36439	6.0005	6.52564	6.30203
M1AP	4.02752	3.51881	3.54848	4.37953	4.09191	3.69259	3.26737	3.83648	3.99724	4.07634	3.62626	4.20655	4.14154	3.11783	3.98645	3.37673
M6PR	3.32431	5.41489	5.21903	5.41994	6.41497	5.049	3.53968	5.8842	6.49724	4.56572	7.90554	5.69196	5.38015	4.21305	5.01929	3.6454
MAATS1	5.85125	4.99636	4.92218	5.45055	5.21987	4.22106	4.19924	5.52089	4.44979	5.20142	3.80608	4.59328	3.99057	5.06794	5.55912	5.85412
MAB21L	4.15353	4.7519	3.763	4.3447	2.88648	4.07722	3.6392	3.68869	4.30729	3.82629	4.96208	3.5244	3.33257	3.92728	5.2358	3.05291
MAB21L	1.64611	1.84587	2.38251	2.43076	2.1445	1.68859	2.1009	0.97208	1.26079	1.82992	0.48812	2.07548	2.07729	2.01506	2.07498	1.73976
MACC1	5.0747	4.64502	4.14706	4.20655	3.92267	4.30268	4.53252	4.26456	4.25238	4.26465	3.73419	3.77859	3.81298	3.81401	4.71717	3.84816
MACF1	6.42707	6.40934	6.54319	6.11735	6.52664	6.48403	5.99268	6.40514	6.48148	6.78789	6.88076	6.58198	6.50219	6.22361	6.56431	6.07849
MACROI	6.53547	5.66285	6.46324	6.32063	5.74512	6.30689	6.25904	5.89027	5.5016	7.00737	5.88749	6.17652	5.18831	6.17538	3.32575	5.7995
MACROI	6.59858	5.62739	5.53864	6.86932	5.59274	5.3635	5.64977	5.95703	4.68985	5.35546	4.8484	6.04147	4.19177	4.91294	5.58663	3.93385
MACROI	3.94748	3.01952	5.26091	5.04627	3.24511	5.37627	5.53505	5.04171	4.51187	4.33627	3.33935	4.7521	5.20492	5.04161	4.35703	4.62412
MAD1L1	7.1494	7.2324	7.53123	6.72063	6.87583	7.2181	4.008	6.85982	6.5982	7.27783	7.1297	7.39629	6.81286	7.92449	6.67783	7.44071
MAD2L1	5.33796	5.42319	5.72369	6.43039	7.39264	6.04941	6.73987	6.5579	6.28592	5.06834	7.46816	6.92393	7.61366	6.46546	7.62564	7.56657
MAD2L1	6.90068	7.41939	6.79769	7.95203	7.14123	7.05419	6.44154	6.61672	6.70282	6.30355	7.60078	7.43844	8.26602	8.09246	7.53981	6.68551
MAD2L2	7.2057	7.74198	6.63305	7.148	7.3013	7.60146	6.21417	4.49662	6.8336	7.43675	8.42856	8.60157	8.39497	7.77591	7.39264	7.22524
MADCAI	7.26423	7.17923	7.1385	7.19756	6.61757	6.87399	7.18017	7.7303	7.1053	6.91353	6.68041	6.90423	7.01358	6.57417	6.70448	6.94074
MADD	8.13334	8.03457	7.76459	7.53221	7.49883	8.11184	8.10956	7.67745	8.58931	7.91358	8.07098	8.59839	7.66888	7.85197	7.59296	7.29064
MAEL	5.30988	5.28273	4.88716	5.18214	4.87854	4.19473	4.47022	5.88688	4.41574	5.33111	4.61448	3.78165	2.5663	5.41787	4.06918	3.42878
MAF	5.50113	5.30704	5.82442	6.24479	5.74943	5.07725	6.31489	6.27726	5.47407	5.30604	5.34336	5.36859	5.90076	6.12863	5.78073	6.01282
MAF1	6.43077	6.97383	5.93474	6.33989	5.85581	7.53729	6.05868	4.94439	6.48549	7.05684	6.91606	7.55185	7.48041	7.62683	6.81089	5.86679
MAFB	7.66076	8.13992	9.15617	8.33937	8.54777	9.64158	8.05538	8.69304	8.66383	8.36968	9.60191	8.61815	8.46562	7.73468	8.75045	8.19276
MAFF	8.79808	8.80651	7.3363	7.35884	7.16026	7.55817	7.76045	7.42256	7.21574	8.00978	8.0442	7.9532	8.17086	7.56707	8.30299	7.74284
MAFG	4.93851	5.04974	5.23459	5.01689	4.95496	5.62362	5.7212	5.26807	5.10586	5.27801	5.09372	5.52397	5.11766	5.58126	4.96603	4.75823
MAFG-A	4.07206	4.0953	3.53502	3.42644	4.79167	4.21021	6.02435	4.03916	4.00589	3.62321	3.94748	4.20427	3.69964	4.66808	4.13035	3.89582
MAFK	6.21417	6.49574	6.37105	6.40621	6.68524	6.6174	6.16097	5.45949	5.6866	7.53657	7.20912	6.85101	6.26621	6.50721	6.62489	6.73214
MAG	4.9244	6.16376	4.94808	4.91529	5.72522	4.87464	4.66845	4.87118	4.84684	5.53739	4.7761	4.68245	4.6393	5.28422	4.56534	4.51071
MAGEA1	4.82631	5.61501	6.17527	4.2727	4.9083	6.02988	5.38812	6.16942	5.69851	5.15052	5.75622	4.94936	5.51666	5.53288	4.26797	5.13421
MAGEA1	2.83473	2.93032	2.86268	2.75974	2.58828	2.65434	3.44209	2.98628	2.67969	2.72148	2.97056	3.47261	2.96494	2.88516	2.9127	2.96003
MAGEA1	4.35066	3.99153	5.68746	5.03667	5.58847	4.89474	5.70189	3.37974	4.5431	5.9972	4.31762	3.11416	3.00618	5.93176	5.36869	5.13183
MAGEA1	4.3226	3.62805	2.79272	4.81755	3.24511	2.81599	3.18384	5.59748	2.07939	2.38782	2.56627	5.1725	2.90755	2.79431	3.47504	3.1481
MAGEA4	2.83473	3.12278	4.31281	2.43076	3.79424	4.5181	5.61494	2.23712	2.73661	2.80132	2.68367	1.69916	2.00801	1.02124	2.36623	2.04035
MAGEA6	3.35226	3.44137	2.23187	3.35104	4.6615	5.95178	3.71929	2.13755	4.2251	4.13002	4.488	5.43241	5.43241	3.3814	5.42944	5.35438
MAGEA8	5.2904	5.98051	6.29905	6.69688	6.07218	6.71039	5.79486	6.2284	5.79486	5.85517	5.88087	6.39685	5.94952	6.14859	6.26973	6.35462
MAGEB1	1.32695	4.85943	3.28947	1.444	2.79083	1.53719	4.10344	5.32306	2.58986	4.81582	1.85273	4.37137	1.7762	4.22367	2.72952	1.89302

MAGEB1	4.25043	4.14078	2.55526	1.63196	2.89774	-0.7797	3.77935	3.3596	1.81152	0.33356	2.04035	3.56237	3.97703	3.66246	3.51602	1.15718
MAGEB2	6.13735	6.62227	6.61516	6.43689	5.48441	6.533	6.77387	6.15282	6.01991	6.46864	5.74472	6.04035	6.60293	7.03744	6.13563	6.46984
MAGEB3	2.47437	3.35252	3.59844	3.46996	4.50197	3.6256	3.84674	2.37778	3.48123	3.53934	3.41787	3.45239	5.79876	3.64454	2.67357	3.31065
MAGEB4	4.42829	3.1156	4.54756	4.59949	4.17234	3.78181	4.15496	3.93142	3.77177	3.81775	3.91425	4.24728	4.63475	4.80192	3.2859	4.42448
MAGEB6	4.85757	2.97605	4.54463	3.1994	4.48291	3.4746	5.14257	4.50182	3.65431	3.42914	4.52964	3.56237	4.72178	4.80703	5.0222	4.27608
MAGEC1	3.20944	3.4933	3.40102	4.79981	3.81865	3.84347	4.89975	3.74908	2.97568	3.02948	3.45744	4.69529	3.42036	4.41888	4.10961	4.85873
MAGEC2	3.70377	4.29501	4.24336	4.19447	4.32178	3.78353	4.11132	4.44748	4.36607	4.2981	2.96145	3.98175	4.79407	5.04939	4.08055	4.35634
MAGEC3	4.92663	5.1248	4.58359	3.41062	4.28189	4.49442	3.8062	4.46867	3.65431	4.96132	4.84579	4.66059	3.14193	3.68528	4.34246	4.97152
MAGED1	10.3679	9.7488	10.1088	9.29585	11.1017	10.1981	9.78173	9.47585	10.8711	11.1559	9.09718	9.66375	8.99964	8.9415	9.73221	8.83036
MAGED2	9.22273	7.60105	7.54909	7.71776	7.27759	8.13104	7.57707	5.83799	6.67527	8.34233	7.32935	7.97619	7.51529	7.88441	7.58312	5.86108
MAGEE1	6.33219	6.42817	7.48041	7.4807	6.07956	7.60537	7.50324	5.45724	5.82355	6.76182	6.68773	5.90179	5.78811	5.8704	7.23093	5.51727
MAGEE2	5.70016	5.9363	5.92868	5.563	5.71918	5.64899	5.79032	5.41101	5.74089	5.47132	6.30863	5.34983	5.81769	5.56319	5.80178	5.79864
MAGEF1	8.43264	8.61181	8.57967	8.49751	8.89125	8.95773	7.56293	8.14084	8.73312	9.41517	8.42795	8.58048	8.33491	7.37148	7.90812	8.49612
MAGEH1	8.74527	8.89445	9.09576	9.3245	8.65511	8.63335	8.35093	8.90648	8.76514	9.06668	7.85449	8.20468	7.72426	8.28645	8.81879	7.73081
MAGEL2	4.0831	3.69964	4.21177	4.87633	4.44183	5.04234	3.0573	4.36705	3.8429	4.26756	5.43775	3.78165	4.51181	4.30792	6.30069	5.70455
MAGI1	5.44248	4.61181	5.02998	4.77643	4.78923	4.82516	5.11171	5.21059	4.60294	5.32922	4.33027	4.43455	4.61765	4.79259	4.12898	4.75315
MAGI1-I	3.57397	4.46777	3.37247	3.65448	3.26091	3.77609	3.12496	3.92749	3.40648	3.92077	3.5826	3.32466	4.17756	4.86024	4.06086	4.55047
MAGI2	4.68708	4.33825	4.6975	4.25792	4.39974	4.31993	4.96316	4.63277	4.54667	4.7048	4.11186	4.65943	4.8391	4.43413	4.53119	5.43291
MAGI2-A	5.20828	2.94714	2.38251	2.88071	2.61273	1.995	2.56625	3.19037	4.4546	4.89975	4.84947	4.61987	2.07729	4.9403	4.75761	2.67577
MAGI2-A	5.28039	4.75885	5.61224	4.85676	3.77859	3.89015	4.59823	3.57557	4.44343	5.20375	4.72913	4.78836	3.29356	4.19082	4.25308	3.50666
MAGI2-I	4.37472	2.1636	4.40922	2.22193	4.80673	4.16542	0.18982	4.48907	1.92414	2.97414	3.45096	3.16915	3.95924	4.71408	2.95994	3.32854
MAGI3	6.79393	7.0755	6.14215	6.51344	6.05975	5.95281	6.75295	6.69985	6.54748	6.9017	5.97427	6.46269	6.545	6.28402	6.45189	6.50944
MAGIX	4.41255	4.8832	4.5001	4.13063	4.16142	4.09177	4.32719	4.58852	4.06531	4.51723	4.16338	4.28253	3.96497	4.29414	4.04301	4.0032
MAGOH2	3.83749	3.66155	4.69327	5.65526	4.18038	5.70084	6.30709	5.09201	5.1064	3.92749	5.71711	6.16004	5.7021	5.58532	5.62406	4.86793
MAGOHB	2.78286	4.15245	4.76487	3.87456	7.0981	4.55333	6.07744	5.36209	5.64161	3.04393	5.5362	5.92656	6.11665	5.99359	6.67871	5.59831
MAGT1	7.79551	7.78582	8.62832	7.86345	7.44743	8.70013	8.47157	7.41351	8.38085	8.62243	8.03137	7.68874	7.90591	7.23414	8.23628	7.84068
MAK	5.58111	5.62065	4.74373	5.55115	4.41781	3.37121	4.00373	4.65137	4.06716	3.12188	3.16104	3.71862	5.69455	3.30338	4.43455	4.59162
MAK16	7.59162	7.73311	7.57707	7.80837	8.0157	7.63559	7.99046	8.12233	7.71463	7.96656	7.99341	7.85146	8.16276	8.00813	7.77998	8.29485
MAL	6.94704	8.44024	7.10867	8.3899	7.81359	8.05955	7.62683	8.24533	8.81846	7.46689	7.38556	8.2181	7.59959	6.95347	8.15234	7.45918
MAL2	10.0444	9.89772	9.03003	9.33546	10.7518	7.91573	11.0417	9.70398	8.59875	9.37829	9.33149	7.47229	9.76219	10.4094	9.97305	11.008
MALAT1	7.82021	7.34801	8.61682	8.51364	7.10564	8.81505	8.39725	7.02396	8.11781	8.07018	6.94672	7.44793	6.67233	7.32272	6.92658	6.4803
MALL	7.29718	7.70912	7.39338	5.94351	6.33978	4.63077	8.31881	7.42749	8.62832	7.81046	8.23714	5.99416	5.72094	4.39545	7.61612	4.14722
MALRD1	3.35226	3.83303	3.27793	4.58019	3.91616	3.79752	3.49217	3.56906	3.22752	4.89182	4.46398	4.3486	3.67703	4.11853	5.99465	5.25696
MALSU1	8.12286	8.69776	8.83956	8.61308	8.1889	9.22652	8.74446	9.17731	8.55828	7.93978	8.70602	8.98463	8.89445	8.44095	8.38448	8.79047
MALT1	5.86194	6.97093	7.27263	6.47337	7.1503	6.87418	7.2935	7.27377	6.5839	5.90555	7.10488	6.69	6.28211	7.48719	7.92358	6.54823

MAMDC	6.40488	5.06897	6.45093	4.3989	4.94013	3.88596	5.15052	5.10351	5.59723	6.94426	5.75276	4.56642	4.91397	4.09275	5.37466	4.72447
MAMDC	3.90216	4.08349	5.0094	4.30055	5.57304	4.72058	4.2123	5.10495	4.30752	3.74192	3.9277	4.33928	4.90076	3.81533	5.06976	4.78962
MAMDC	3.26635	3.41586	2.85145	3.57686	4.12453	3.67619	3.00912	3.13235	4.12898	2.93344	3.83893	3.7042	3.75766	3.10839	2.94685	3.16144
MAML1	8.1354	8.26602	8.52405	8.37711	8.51199	8.75835	9.15245	8.45546	8.62832	7.97333	8.18179	8.72673	8.59487	8.64938	8.84953	8.71679
MAML2	7.68291	7.66417	7.55817	7.41632	7.59296	7.69174	7.20155	6.49232	6.98163	8.0296	7.31725	7.01967	7.25736	7.12158	7.22861	6.45625
MAML3	5.12208	5.1141	4.86678	5.05274	5.38104	5.06996	4.5797	5.16611	4.83168	5.42776	4.84817	4.67909	4.97056	4.5785	5.29383	5.20037
MAMLD	5.48413	5.54926	6.00079	6.20242	6.72093	5.81943	6.02908	6.3928	6.25491	7.11898	6.54875	5.97829	6.0682	6.30916	6.59093	7.1968
MAMSTI	6.49359	6.69077	6.37807	6.90293	5.86541	5.582	6.38359	4.92065	4.06039	5.6287	5.27057	4.98079	7.08402	6.52767	4.87885	4.04867
MAN1A1	5.20628	6.56249	7.48119	7.14234	6.09691	6.82812	6.65166	6.88927	6.58481	6.36989	7.17836	6.79158	7.10804	5.95721	6.66059	6.11473
MAN1A2	5.39073	4.28816	5.56771	5.1601	5.28981	5.08081	4.82516	6.11232	4.96105	5.06242	5.46303	4.90267	4.54667	4.5681	4.95192	4.82924
MAN1B1	8.46227	8.3687	7.73582	7.69585	7.14001	8.11826	6.89966	6.3542	7.96217	9.17857	8.01042	8.79299	7.63318	7.5369	7.06345	7.72984
MAN1B1	6.15404	6.55391	6.63133	4.74107	4.54756	6.35351	6.64772	6.27613	4.84059	6.09939	5.85558	5.87239	4.07063	5.12155	5.6169	6.63225
MAN1C1	7.74479	6.59516	7.30969	7.48502	6.31766	7.51623	6.14165	7.28019	7.45606	7.19128	7.19009	7.25848	6.48609	6.32556	6.85804	6.77172
MAN2A1	6.80033	7.31824	8.12358	6.65787	6.9225	7.15566	6.44484	7.47457	7.7303	7.41297	7.87161	7.16305	7.44109	5.72913	6.99664	5.7106
MAN2A2	6.99069	7.32824	7.3728	7.11527	7.82939	7.74898	8.3979	7.69278	7.66346	8.26281	6.60626	7.49699	6.19599	6.26517	6.9225	7.57865
MAN2B1	7.8819	9.50129	9.0336	9.01766	9.09448	9.67664	9.01815	9.22652	9.32902	9.16131	8.91007	11.0741	8.81505	9.13234	8.78314	8.68337
MAN2B2	7.73468	7.84833	7.84813	7.80271	7.56648	8.11291	8.30977	8.56494	8.25203	8.44841	7.58312	8.03457	7.95615	7.3737	7.65751	7.76523
MAN2C1	5.65461	5.54615	5.6132	5.47559	5.53443	5.09667	4.94835	5.47426	5.42944	5.25519	5.4874	5.63813	5.47147	5.64209	5.1339	5.43359
MANBA	7.56562	7.81833	7.93177	8.12286	8.70368	8.26845	7.48055	8.66033	7.96917	8.58123	7.50009	8.20911	7.79044	8.13683	7.66135	8.19149
MANBAI	9.66375	9.1574	8.66383	9.10034	9.06963	8.60718	8.94008	8.74074	8.85744	9.16038	8.3403	8.53034	9.30995	9.24769	9.26491	9.2111
MANEA	3.9791	4.21647	5.43688	3.7147	4.95231	4.34748	3.85394	4.05696	5.0187	4.61373	3.87225	4.30957	4.08712	4.1913	4.44939	4.41255
MANEAI	7.45198	7.52624	7.40315	7.43643	8.07874	7.62671	7.76799	7.976	7.77899	7.46877	7.47017	8.78708	8.37975	7.96335	8.02241	8.34556
MANF	9.75247	10.3635	11.4604	10.4883	9.50597	9.50044	8.62286	10.3249	10.0756	10.6031	10.7357	10.8297	9.42357	9.09062	9.46666	9.59094
MANSC1	8.2853	8.19276	8.45848	8.60131	6.2822	7.2497	8.23492	6.59641	8.05323	9.7568	7.75876	6.63771	5.92035	7.18732	7.70787	7.76581
MAOA	8.50431	8.53909	7.51679	7.79704	8.51784	7.84908	8.73519	6.2778	7.9785	7.79072	7.30272	7.1559	5.41616	6.6142	7.73373	4.7199
MAOB	6.04099	5.80674	5.26512	5.81064	4.88202	5.13292	5.04772	4.65251	5.0052	5.70611	4.23928	6.18247	5.45391	4.33068	4.92134	4.63759
MAP10	7.35149	5.57111	5.58936	6.33989	4.81676	4.95513	6.18726	5.56628	4.81824	6.12439	5.21362	4.61987	6.19705	5.80706	6.14193	4.23617
MAP1A	6.42772	5.6836	5.31136	5.28765	4.64502	4.93822	4.90868	5.36688	5.23996	4.72387	4.81157	6.22361	5.32479	4.94613	5.33145	4.90301
MAP1B	6.81431	6.14906	6.19217	6.43747	4.30232	7.46003	6.36493	4.93197	6.22344	6.71757	5.88196	6.15366	5.09772	5.39423	6.0322	5.64185
MAP1LC	7.2916	7.34856	6.70289	7.36993	6.25921	6.6373	5.77304	6.31444	6.95677	7.03191	6.77618	7.32272	6.09404	6.71827	6.38973	6.75115
MAP1LC	7.48235	7.98651	8.03371	7.72798	7.8431	7.86571	6.24882	8.38627	7.76334	8.27473	7.99407	7.90618	8.19961	7.85403	8.65818	7.76969
MAP1LC	4.89951	5.50223	3.95827	3.6916	5.5335	4.02752	6.16746	3.60236	4.57635	5.16393	4.77807	4.56642	5.35451	5.99501	4.36165	5.95076
MAP1LC	4.25809	3.99153	4.20503	3.73033	4.01874	3.25596	3.90378	4.32501	4.78164	3.55696	3.32655	3.72982	4.51181	3.73088	4.32106	3.34078
MAP1S	7.07769	7.19566	6.63305	6.79746	6.61235	6.69178	6.61529	6.19148	6.70719	6.14874	6.62038	6.80312	6.72476	6.86516	6.56452	7.19165
MAP2	6.25446	6.38034	6.3569	5.77919	5.4315	7.27283	7.10298	5.7373	5.47072	7.26915	6.49246	6.46938	3.79424	5.9336	6.40739	5.26053

MAP2K1	8.09982	8.79141	9.55522	9.10516	9.24271	9.01134	9.20992	8.901	8.69882	8.65312	8.9799	8.14368	8.68868	8.94258	9.07417	8.8262
MAP2K2	4.24792	4.3635	4.71408	3.87488	4.59267	4.80498	3.88289	4.05249	3.98857	4.08748	4.57516	4.81378	4.15902	5.06242	4.09222	4.53976
MAP2K4	7.3713	7.44322	7.77441	7.35032	8.04634	7.82408	7.35478	8.06572	7.67515	7.78353	7.73837	7.19947	7.51249	7.77654	7.9976	7.6884
MAP2K5	4.32624	3.45794	3.7517	3.37974	4.39023	3.91161	3.70785	2.48178	4.17234	3.68625	4.41344	3.64695	3.9653	3.52327	4.26628	5.07937
MAP2K6	5.36312	5.24618	5.82554	5.98862	5.6096	6.15951	5.16659	4.49302	5.95058	5.80597	5.68032	4.96044	6.44533	5.96394	5.60896	5.47057
MAP2K7	5.20401	5.1601	5.32654	5.61679	5.37837	5.37062	5.08822	5.49882	5.15041	5.48559	5.14061	5.26563	5.11456	5.80853	5.04856	5.22818
MAP3K1	6.37294	5.34309	5.74968	6.38062	5.1647	6.31108	5.66702	6.41723	5.34487	4.80207	5.5545	5.56253	6.32509	4.93339	5.14307	5.47514
MAP3K1	3.4567	3.76552	3.31271	2.98748	3.36671	3.5856	3.31153	4.04879	3.55701	3.13394	3.72069	3.3733	3.30026	3.41704	3.74409	3.40822
MAP3K1	5.18064	5.6314	4.99067	5.05978	5.2002	5.19972	5.8182	5.40944	5.67434	5.16578	5.2325	6.2296	5.63847	5.59996	5.57001	5.28328
MAP3K1	6.17461	4.88154	5.59616	6.40446	5.37537	6.91622	6.26672	6.68395	6.45319	6.06384	6.20838	6.68416	5.75568	6.01092	5.84617	6.10828
MAP3K1	5.61936	5.5426	5.71666	5.94871	5.44809	5.63984	5.91026	5.92122	5.36831	5.02563	5.10822	5.2755	5.81646	5.15577	5.55587	5.58265
MAP3K1	5.32454	6.98315	6.01341	5.563	7.52984	6.88208	6.37833	7.4145	6.90997	6.06884	7.27718	6.20003	5.21928	6.82928	5.89757	6.89972
MAP3K1	6.43709	6.41137	6.63901	5.84112	5.93145	5.33083	4.99931	6.54251	6.12181	5.8969	3.83893	4.95423	3.51845	5.27102	5.87492	6.03959
MAP3K1	4.61264	5.54169	6.05873	4.31296	5.18485	5.80329	5.73534	5.78799	5.90883	5.29504	5.11463	5.5611	5.19521	5.83775	5.33678	4.36368
MAP3K1	6.96229	4.02856	3.16073	4.73321	3.07918	3.26271	3.88616	3.34015	3.82034	3.27966	3.00637	3.16412	3.29046	3.42081	3.01133	3.35869
MAP3K2	5.34851	5.91675	6.35027	6.42295	6.50434	6.2478	6.87988	5.68265	6.00298	6.22344	5.55505	5.73966	5.96325	6.23627	6.32017	6.5465
MAP3K3	6.00101	5.91479	6.76269	5.92197	5.90894	6.71848	5.58353	6.08176	6.52979	6.83019	6.5353	6.79474	6.25208	6.07925	6.16058	4.97435
MAP3K4	8.51477	7.93038	7.9141	8.27879	8.37525	8.44211	8.49182	7.88907	8.27775	7.91831	7.77654	8.36147	8.04873	8.24731	8.57946	7.8754
MAP3K5	7.96038	8.22892	8.32463	8.01148	7.53449	8.15497	8.42037	8.11781	9.03003	7.65498	7.7665	7.58901	7.62033	6.49514	7.94437	7.4292
MAP3K6	4.81738	4.27998	3.39527	4.4044	4.32453	4.34316	5.68058	4.84997	4.26138	4.22833	4.53186	4.78187	3.63476	5.20839	3.16581	4.69108
MAP3K7	6.75209	7.07585	7.09252	6.98458	7.1525	7.13731	7.10353	6.8278	6.93134	6.8966	7.06179	6.90215	6.78753	7.2181	7.09339	7.20429
MAP3K7	2.79297	5.94415	6.30382	5.70272	5.72137	5.75554	5.60339	5.78799	3.2065	5.08644	6.82079	6.05484	5.24948	4.92151	5.48401	5.85506
MAP3K8	6.03166	6.39572	6.5296	5.62822	5.32208	6.27576	6.1524	5.60601	6.80357	5.52221	7.08446	5.95281	6.48414	5.78528	6.51161	6.432
MAP3K9	6.39306	5.92351	6.11232	6.01053	5.78483	5.85731	6.2407	6.19796	6.21656	5.95703	5.93876	5.77073	6.22059	5.97882	5.87873	5.91675
MAP4	6.28124	6.52429	6.45401	6.17676	6.96941	6.59677	7.28538	6.71732	6.70844	6.85438	6.57618	6.65907	6.18379	6.91433	6.71374	6.90322
MAP4K1	6.31646	8.43209	6.984	7.7389	7.66135	8.05282	4.71933	6.94714	9.14795	5.18115	9.24623	9.56208	6.71256	5.4025	6.25369	5.12864
MAP4K2	3.56191	4.13607	3.13257	2.65796	4.24079	5.35829	3.27441	2.83945	3.88943	3.73393	2.91487	3.41704	3.36189	4.06652	3.62574	3.26138
MAP4K3	8.10385	6.99823	8.19698	8.0442	8.13389	7.32463	7.10048	5.22564	6.65275	8.12453	7.27991	6.21598	7.04039	6.66049	7.87611	7.6715
MAP4K4	6.95188	6.94792	7.01158	6.42879	6.93064	7.43659	5.86266	6.5278	6.77805	6.64633	6.76772	6.2802	6.39124	6.33858	7.30238	6.06227
MAP4K5	5.89846	5.73303	6.59837	6.21942	6.20086	6.19683	6.51878	5.83371	6.63803	6.55209	5.72712	5.52355	6.70305	6.10023	5.91782	6.5054
MAP6	6.68395	5.78238	4.61408	5.97487	4.41015	4.6197	5.10549	5.0511	5.493	4.60659	4.81846	5.17658	5.28169	4.67533	5.03068	5.14478
MAP6D1	3.93299	5.37522	4.04356	4.7822	4.70445	4.29049	5.31683	4.9939	3.48742	4.84269	4.97633	5.31417	5.20936	4.18954	5.42632	5.28829
MAP7	5.38359	5.77398	4.98009	5.12208	5.36831	5.37077	5.36761	5.05252	5.15242	5.54219	4.83168	4.81708	5.62045	5.44775	5.09551	5.37804
MAP7D1	7.51061	8.22455	8.31666	7.82093	7.84852	7.86066	7.56947	7.44312	8.29063	7.73683	8.49332	8.28436	7.47043	7.47423	7.65275	7.52006
MAP7D2	5.91118	5.30505	4.48486	2.50291	9.11675	5.08982	11.0928	5.08644	7.32104	5.44823	3.94748	5.56476	6.75602	9.22889	8.03074	3.55993

MAP7D3	5.50605	5.8266	5.73636	5.31079	5.49284	5.53386	5.73359	5.67141	5.46664	5.32774	5.92567	5.42977	5.61352	5.50431	5.53386	5.46131
MAP9	6.73573	5.39128	5.45357	6.49439	5.94368	5.82677	5.75636	4.54689	5.92786	5.63391	4.92491	5.69927	5.25598	6.48805	5.73359	4.23539
MAPK1	6.34254	6.6672	6.75475	6.66605	6.45276	6.60033	5.76092	6.95299	7.10108	6.01167	6.80489	6.45463	6.74657	6.12507	6.77427	6.56163
MAPK10	7.14091	6.17984	6.25751	6.69058	6.30958	4.78005	7.35747	5.14147	6.46055	5.54756	5.39073	5.23593	6.2407	7.00568	5.32479	4.63799
MAPK11	3.50784	3.8399	3.53819	3.35869	3.6839	4.69327	3.60505	3.61047	4.64112	4.17704	5.67627	4.93804	4.28253	3.95264	3.39363	3.51628
MAPK12	4.94868	4.43077	4.5224	3.86678	5.03176	5.43204	3.78553	4.03565	5.26966	4.92049	5.74749	5.08873	4.28309	5.28169	5.05491	4.50409
MAPK13	8.69304	9.09718	8.64113	8.54112	8.65782	8.81129	9.34754	8.8522	9.2077	8.99912	8.77496	9.52795	9.03868	9.28504	8.77851	8.94055
MAPK14	4.92134	4.2019	4.46511	4.37858	4.35134	4.27794	4.26259	5.0464	4.26324	4.04173	5.02068	4.41154	4.31674	4.51562	3.92805	4.74543
MAPK15	5.21096	5.32026	5.13711	4.68478	4.89629	5.24525	5.14478	5.69813	5.30736	4.94079	4.72517	5.81578	5.62113	5.48818	4.99883	5.01256
MAPK1II	6.04533	6.80111	6.34863	6.37168	6.46269	6.18294	6.34657	6.83992	6.23179	6.60577	7.09901	5.8637	6.99097	6.59049	6.51419	6.6732
MAPK3	5.70446	4.51165	4.8346	4.34751	3.9949	4.48862	3.60262	4.04879	4.85113	4.90621	6.06981	4.16718	5.43532	6.90032	4.64145	4.83492
MAPK4	3.67359	3.93627	3.65461	3.82021	3.44341	3.74274	4.06652	4.35335	3.66785	3.87292	3.57129	4.28503	4.1352	3.9636	4.05867	4.12984
MAPK6	4.39778	6.26498	4.83675	4.96187	5.09944	4.648	5.33097	4.80528	5.01102	5.20976	5.40317	4.58796	5.97591	5.19028	6.15753	4.87854
MAPK7	5.16659	4.43031	5.00891	4.17971	4.37481	5.18263	5.07153	4.98755	4.47874	3.91689	4.27004	4.50964	4.65582	4.37665	4.9039	5.32774
MAPK8	6.30059	6.13739	6.65436	6.17384	6.74325	6.61987	6.75167	6.37458	6.43116	5.75265	6.47903	6.38062	6.50191	6.7568	6.97418	6.54757
MAPK8II	5.9649	6.58914	6.33203	6.67884	6.14314	6.25512	5.07679	6.74268	6.12635	6.62932	5.88087	6.50511	5.93224	6.51976	6.18553	6.31936
MAPK8II	6.28732	5.88871	5.70391	5.41589	5.41719	5.77447	5.98051	6.06992	5.66671	5.97649	4.92803	5.49063	4.64981	4.74336	6.41933	5.67529
MAPK8II	5.82637	4.75295	5.54126	5.15941	5.1147	5.60835	4.83993	5.62533	5.39252	5.483	4.87464	4.36795	4.93071	5.03935	5.26864	5.02813
MAPK9	7.43404	7.689	6.80033	7.64499	7.48453	7.55918	7.75127	7.06488	7.75767	7.60537	7.34076	6.95042	7.39879	7.33464	7.70723	6.97736
MAPKAI	6.67705	7.35004	6.47449	6.85663	7.19188	6.8232	6.12073	6.71622	7.05622	6.77145	7.18606	6.88484	7.45941	6.95611	6.88354	7.77611
MAPKAI	5.24384	5.7874	5.9717	5.91251	6.49631	5.5545	5.37627	5.38965	5.79533	6.49857	5.39252	6.02426	5.50431	6.31489	6.14693	5.78435
MAPKAI	6.90726	7.34509	6.88661	6.52602	6.98885	7.05601	6.69747	6.42879	7.45812	6.73451	8.14486	7.16464	6.88287	6.44039	6.94086	7.60305
MAPKAI	5.35597	3.88198	5.39353	2.67969	6.2212	3.8966	3.64382	2.83945	5.10973	4.43223	5.24098	4.20947	6.04784	5.95512	5.47388	5.73121
MAPKAI	5.04171	5.31006	5.75337	6.20677	6.30778	6.47995	6.00628	5.94627	6.21356	5.66376	5.96394	5.7789	6.33858	6.11977	6.13436	6.14323
MAPKBI	6.21609	5.35812	6.27019	4.95899	5.74238	6.1677	6.21991	5.97118	6.25329	6.00101	6.38496	6.92903	6.12673	6.71962	6.846	6.06615
MAPRE1	8.47096	8.92659	9.06178	8.94422	8.95046	9.27564	8.17853	9.5293	9.18613	8.59531	9.32763	9.20103	9.11537	9.08751	8.82891	8.57292
MAPRE2	4.31281	4.84227	5.06539	4.97252	4.70184	4.77797	4.39215	4.53148	5.20142	3.9262	4.97661	4.65881	3.52527	4.75435	4.34433	4.61592
MAPRE3	4.60222	4.02973	4.7795	5.15063	4.54346	4.02241	4.31108	4.33695	4.53328	5.59746	4.15464	4.6313	4.15423	4.10722	4.75041	4.81469
MAPT	4.664	4.17971	4.17126	4.12004	4.03976	4.41476	4.68646	4.2436	3.84488	4.67727	4.65395	4.59823	4.37922	4.72699	4.53835	4.72699
MAPT-A	4.20427	3.67359	3.68581	3.16885	3.93018	3.73269	4.54726	3.82111	3.73544	4.27998	4.14832	3.63714	3.18863	4.41311	3.31395	3.93923
1-Mar	4.84143	4.01765	3.84282	4.31831	3.66644	4.02752	4.46025	4.39881	4.60738	6.61572	4.68317	6.51043	4.63261	4.28869	4.39203	4.37426
2-Mar	6.10612	6.45523	6.08539	6.51597	6.29011	5.80477	6.841	6.34327	6.1373	6.61079	5.73937	6.24681	5.72608	6.27345	6.17343	6.68462
1-Mar	5.98237	6.94242	7.02799	6.90878	6.21331	6.77476	6.08061	6.70618	6.49817	5.72892	7.43484	6.10768	6.75235	5.03733	6.79668	6.97788
10-Mar	5.30102	4.71618	4.63367	3.96455	3.68792	4.23481	2.87657	3.46594	4.14056	3.37025	4.21622	3.4886	3.63678	4.13729	4.07326	4.37118
11-Mar	4.82998	3.94506	6.06571	6.61479	4.24079	5.14737	5.76985	6.5042	6.15753	5.69188	6.29292	6.18309	3.68721	3.86642	4.89817	5.86679

2-Mar	6.69536	6.64641	6.03556	5.02362	7.13003	6.73428	6.72335	7.1008	7.18439	5.86096	7.41593	6.70664	6.96636	6.56799	6.59181	6.37955
3-Mar	6.85101	5.87321	6.57748	6.50511	6.02244	7.29703	5.01553	6.04438	6.2478	6.49308	5.37653	5.58168	7.13054	4.55201	5.40727	6.29342
4-Mar	5.79778	4.87197	3.07458	4.5915	3.45301	3.50802	3.83857	3.74908	3.6792	1.96807	3.43836	2.31832	2.90755	3.21424	2.43868	2.04035
5-Mar	8.02346	8.27473	8.18597	8.38687	8.42298	8.40497	8.2633	8.08164	8.0913	8.33334	8.0157	8.217	8.07801	8.34789	8.51084	8.31881
6-Mar	6.64035	5.58885	6.18435	5.78811	5.84166	5.9817	6.31746	6.0042	6.18481	6.26392	5.69964	5.39763	5.9606	5.42944	6.51441	6.39352
7-Mar	5.63564	6.09189	6.35913	5.76497	6.83902	6.44728	6.32869	6.26645	5.78962	6.39148	6.35206	5.44017	5.95632	6.0522	6.6512	6.54841
8-Mar	5.68906	5.92567	6.27134	5.89223	6.18419	5.89038	5.6255	6.08983	6.10779	6.09252	5.64462	6.03933	5.6878	5.53096	6.18481	5.52397
9-Mar	7.10488	7.21275	6.53782	6.98711	6.72122	7.22752	7.02957	6.60701	6.8608	7.16305	7.01098	7.12158	7.0242	7.5588	6.68352	5.81165
MARCKS	6.55951	6.23393	6.85041	6.599	6.7168	6.92317	6.76041	5.809	6.90878	6.44405	7.26291	6.88127	6.59516	5.79835	6.79573	6.65525
MARCKS	8.5744	9.4567	8.98666	8.89011	10.3269	9.7337	9.60191	10.5021	10.167	9.80853	8.53336	9.30916	10.1423	10.0778	10.3792	10.4412
MARCO	2.50129	3.20291	2.88071	3.65448	7.0042	2.60961	9.48403	7.8327	5.49365	3.6977	9.02455	8.11103	9.83596	7.79551	7.73284	6.16473
MARK1	6.81587	7.08687	6.77096	6.41137	7.62934	7.48719	8.08303	6.08272	6.8955	5.8178	6.28284	6.79309	7.44541	7.46304	8.49069	8.07664
MARK2	3.31223	2.73888	2.88947	2.41778	3.10219	3.15929	2.68811	2.22387	2.7752	3.78772	3.13915	2.72354	2.36805	3.61918	2.42836	2.90822
MARK3	7.16948	6.89627	7.24146	6.76162	6.76332	6.83716	7.16613	6.99511	7.0936	7.60269	7.45459	6.40898	6.76925	6.53093	6.67139	7.04216
MARK4	5.06334	4.82016	4.38541	5.04268	5.67273	7.11463	6.27672	5.7905	6.91871	5.54686	5.38452	6.09165	5.6694	5.55021	5.69337	5.32848
MARS2	5.3204	6.00448	5.70234	5.45803	6.0536	5.84566	6.03144	6.03368	6.48408	6.59438	5.60346	6.07849	6.23157	6.30203	6.42743	5.57353
MARVEI	5.35722	5.1428	4.51886	5.55482	4.80555	4.74768	5.9966	5.51648	5.09784	5.76574	5.20142	4.49747	6.15674	5.19303	5.15356	4.75389
MARVEI	7.94682	7.24572	7.13535	7.71882	6.96229	7.6532	8.4102	7.4963	7.94114	7.48831	7.33082	7.16225	8.15642	7.99451	7.42093	7.32935
MARVEI	6.0042	5.10888	4.39682	5.83166	5.0723	5.82082	5.84375	5.61936	5.60876	5.04246	4.22737	5.83892	5.37344	6.59422	4.90609	5.75253
MAS1	3.79639	3.44137	3.40102	4.02962	4.59036	6.25296	5.14257	5.41625	6.14545	3.78199	5.27788	3.38388	3.61424	4.60279	4.42197	3.57557
MAS1L	5.63462	5.89038	5.07767	4.09184	5.52419	6.7566	6.1223	5.36903	6.13111	4.17211	5.71334	5.88329	6.36341	5.11666	5.38203	6.10171
MASP1	4.52112	5.03387	5.12847	5.33697	4.42448	4.1099	5.64185	5.09699	5.15109	4.75996	4.80743	5.38864	4.40714	5.20552	5.21296	4.82105
MASP2	4.06555	3.46916	4.15496	4.30268	4.10024	3.43713	3.53545	3.16412	3.37457	4.21802	3.89481	3.44676	3.731	3.89582	4.21937	2.77795
MAST1	2.13523	2.86158	2.63513	2.0998	1.93871	1.81697	2.90726	3.49069	3.40648	2.80132	2.97056	3.12959	2.29255	2.72254	2.84494	2.31622
MAST2	5.69455	5.80945	6.30893	5.4433	5.7207	5.71831	6.2427	6.07744	5.55564	6.28402	5.43004	5.60298	5.0963	6.34657	5.64345	5.67655
MAST3	6.80828	6.8921	6.46269	6.65166	6.49246	6.33191	6.35462	6.36903	6.38787	4.57223	6.16413	6.01738	3.68721	6.24639	6.3379	5.84122
MAST4	6.45718	6.3843	5.83723	5.85076	6.2051	6.77024	8.59839	6.24655	6.78466	6.38755	6.41424	6.30863	5.95087	6.93148	5.74209	4.82868
MASTL	6.455	7.22111	7.45251	6.26714	8.0296	7.12648	7.8353	8.41541	7.70022	6.61572	7.92001	7.71993	8.09264	7.28003	8.67002	8.73084
MAT1A	4.66752	3.86261	4.33776	4.34751	3.81865	3.90614	4.20319	4.59647	4.55066	3.47656	4.28288	5.11713	4.70836	3.95895	4.7616	3.53602
MAT2A	6.36267	6.40133	5.93039	6.34101	6.32715	6.0929	6.80229	6.34082	6.15861	6.18631	8.02925	6.20463	6.6676	6.62536	6.72621	7.51623
MAT2B	6.66563	6.2787	7.07656	6.61395	6.89041	7.66483	6.25659	6.5877	6.71592	6.78466	7.07198	6.76579	7.62073	7.14133	6.73406	7.39069
MATK	6.12279	6.6959	6.23449	6.19348	5.80173	6.19141	5.37804	4.58601	5.80782	5.37429	7.52611	6.71359	6.84415	6.63752	5.72572	5.6902
MATN1	4.78407	4.65553	4.75996	5.07488	4.98499	4.66437	5.19457	5.58219	3.84644	5.86985	4.75618	4.66845	6.48887	4.95084	4.80362	5.30315
MATN1-	6.2968	6.33679	6.42772	6.47613	6.15282	6.60431	5.73966	6.12195	5.90377	6.14455	5.59831	6.01372	6.52429	6.73025	6.40041	6.18435
MATN3	4.11983	3.09358	4.08394	4.21125	2.65839	3.5856	2.0296	1.31605	1.00765	3.60777	2.97056	1.2545	3.03764	2.48051	4.62974	0.80062

MATN4	7.04963	4.59974	6.21965	5.69175	6.9667	5.4046	7.78616	5.73921	5.77414	7.47229	5.83698	5.68216	7.31475	6.46847	6.0246	5.56494
MATR3	3.80647	2.56774	3.16713	2.03633	3.18522	2.97137	3.42552	2.04007	2.31622	2.97414	3.72995	3.58989	2.59488	2.62575	4.01749	3.01871
MAU2	4.87224	4.92829	5.27357	4.93774	5.14097	4.8882	4.90419	5.26177	5.22008	5.03019	5.15926	5.43578	5.1134	5.04828	4.63296	5.54973
MAVS	5.22796	5.52799	5.68203	5.36903	5.18206	5.63956	5.17658	4.481	5.53739	4.84092	5.07841	5.19512	4.32841	5.39161	5.39578	3.90154
MAX	6.32977	6.30852	6.62616	6.43003	6.44343	6.02751	6.06407	6.22235	6.81715	5.914	6.83389	6.97548	6.51748	6.36458	6.03254	6.23199
MAZ	4.27051	5.35546	5.46967	6.07207	5.68932	5.52006	4.8846	5.14478	5.37281	4.07777	4.61938	5.65866	5.82637	5.53126	5.49063	4.88429
MB	10.4068	8.79229	6.7349	9.81371	7.96232	6.78574	7.22574	7.97105	8.16548	9.5431	6.50549	7.99208	8.57193	9.11675	6.95429	8.18689
MB21D1	5.21372	5.09913	5.25591	4.63277	4.75754	5.80173	5.34717	5.84898	5.1367	5.52616	5.30736	5.30672	4.98037	5.05513	4.63899	5.93216
MB21D2	7.16675	7.8222	8.05986	7.6884	7.12205	7.58505	8.41541	7.71129	8.57691	7.71156	7.52204	7.15566	7.83323	7.51898	8.37645	8.04125
MBD1	5.78564	6.10828	5.55564	5.31649	6.61328	5.55827	6.03295	5.99292	5.49219	5.65144	6.41115	6.18849	5.86855	5.9832	6.1544	5.692
MBD2	6.12794	6.80087	6.76772	6.81398	6.6643	6.21158	6.6447	7.15229	6.6676	6.91272	6.53336	6.86171	6.55951	7.02213	6.77024	6.47083
MBD3	6.58286	6.63598	6.64794	5.63658	7.14332	6.85234	7.17635	6.88127	6.45781	6.68886	6.96845	7.48101	7.22538	7.32358	6.77516	6.90842
MBD3L1	5.33002	5.06128	5.35079	4.43305	4.85808	5.40153	5.62571	5.52025	5.13493	5.90975	5.02776	4.59806	6.17878	5.77613	5.06959	5.78351
MBD3L2	3.42813	4.43918	3.32481	4.24629	3.09072	2.69944	4.58656	4.44194	4.42376	3.74711	3.63292	4.53637	3.8683	5.18903	2.89621	4.7519
MBD4	7.14735	7.80586	7.64589	7.62073	7.54447	7.28961	7.60365	7.7121	7.57786	7.1008	7.82655	7.34509	7.63737	7.24167	7.73058	7.5573
MBD5	5.53386	5.10392	5.39004	5.5947	6.35401	6.04708	5.58285	5.08426	5.43984	4.85246	5.05005	5.61759	5.36331	5.0671	6.37512	5.72232
MBD6	5.72358	5.07971	5.92	5.74699	5.65616	5.79876	5.78642	5.18461	5.37568	5.22581	5.68304	5.26879	4.96966	5.75483	5.06647	4.65451
MBIP	6.7635	7.3505	7.25283	7.37649	7.67728	6.9731	6.75699	5.44583	6.75086	6.52126	7.43307	5.90655	7.92358	6.87773	7.46126	8.88585
MBL2	3.61236	2.67513	3.34445	1.06683	4.77676	1.78116	1.85693	2.83945	1.63986	3.44491	3.05202	0.96901	1.73296	1.97057	1.1668	1.51008
MBLAC1	6.51736	6.11947	5.91082	7.00819	6.74952	7.0308	7.23129	6.89264	6.34863	6.91674	6.11453	7.5386	7.37273	7.08315	6.60878	7.30766
MBLAC2	5.03113	5.02145	4.38261	5.92983	5.49394	5.796	6.58498	5.76053	5.30388	3.81369	5.05202	5.41209	5.73705	5.6314	5.61572	5.56754
MBNL1	5.91479	5.67627	6.581	6.55717	6.20604	5.75171	5.83799	4.65971	5.56324	5.89251	6.31668	6.10144	6.00571	5.74209	5.90458	6.20579
MBNL1-/	5.07507	5.79382	6.39959	5.70383	6.70492	5.89619	5.43429	6.26067	5.53911	6.12766	5.56557	6.10559	5.97487	6.06161	4.86073	6.20878
MBNL2	6.11415	6.23856	6.42113	5.63471	5.63087	5.28109	6.9564	6.20252	5.68092	6.16466	5.38297	5.17863	5.73636	5.36602	5.61824	6.04396
MBNL3	6.01189	6.86056	6.89723	6.89428	7.14059	6.94672	7.5405	7.43046	6.85717	6.35116	6.55896	7.05429	6.88467	4.90779	6.60839	7.49002
MBOAT1	8.01278	8.00205	7.93234	7.96148	9.37098	7.06893	7.28385	8.07513	7.71733	7.61499	7.44642	7.98956	7.68457	8.24933	8.18565	8.21028
MBOAT2	8.03799	7.52731	7.6195	7.45812	7.17072	7.42167	7.42706	7.10725	7.28855	7.2582	8.35397	7.46689	7.31963	6.54598	7.57964	7.31697
MBOAT7	6.64591	6.1994	6.9079	6.3929	5.79876	6.41451	6.66059	6.53163	6.91121	6.23594	7.04151	7.26549	6.58949	6.566	6.47297	6.04035
MBP	5.21059	5.53443	5.32428	5.73904	4.8846	5.4377	5.39366	5.05901	5.60742	4.90419	5.45866	5.7541	5.05252	5.20936	4.77186	4.86994
MBTD1	5.77662	4.02162	5.87152	4.30232	4.68428	5.483	5.23487	3.61082	4.9958	4.35078	5.13157	4.67745	5.41489	5.34934	5.34684	5.4378
MBTPS1	8.07912	7.04564	7.90829	7.28473	7.03311	7.131	6.28777	7.01044	6.9	7.2075	7.12328	8.13446	7.59042	7.371	6.2427	7.05063
MBTPS2	4.73504	4.96752	4.79031	5.27456	5.28422	6.23706	5.64632	5.31338	5.32234	4.73591	5.07693	5.35991	6.14215	5.35382	5.57494	5.49998
MC1R	6.46387	6.96229	4.71136	7.12192	6.49246	6.15139	4.27634	5.53362	6.99855	7.08361	6.39542	6.54113	6.18038	6.56531	6.52311	7.083
MC2R	4.33537	4.54034	4.54689	4.70611	4.5915	4.61206	4.78297	4.81676	4.45264	4.16757	4.89657	4.93688	4.83015	4.58543	5.11766	4.80177
MC3R	5.31338	3.47417	5.9373	5.02362	5.47955	5.40929	4.32228	5.86031	5.28311	4.79376	4.26259	4.73576	5.25748	5.72006	5.29437	5.49859

MC4R	5.97772	5.72913	5.63216	5.75592	5.60018	5.83	6.00238	6.31611	5.77139	6.70933	5.48792	6.43709	6.63514	6.37891	6.18347	6.0757
MC5R	3.58775	3.86925	3.61284	3.8462	2.0729	3.95264	4.18377	3.86842	3.98331	3.86818	4.07634	4.49442	1.63986	3.50494	4.44812	3.91544
MCAM	8.16161	7.69023	8.61815	7.93468	7.86622	8.19449	8.72628	9.07607	7.23779	9.29073	8.12509	8.22001	7.51319	7.68457	8.57731	7.08439
MCAT	7.37708	7.16663	5.03262	6.47821	6.63886	6.34101	6.42265	6.30382	5.9545	6.64757	6.72801	7.04312	6.61147	7.54261	6.86877	6.803
MCC	6.72985	6.90514	7.3786	7.33152	7.46327	6.9069	7.0855	7.17043	6.74281	7.38227	7.10564	7.2577	6.79607	7.11639	7.90928	7.29026
MCCC1	8.36678	7.96758	7.58583	7.59573	7.8327	7.83583	8.05772	7.94301	8.27118	7.93657	7.00211	7.21493	7.97727	8.3762	7.65344	7.70306
MCCC2	5.48056	5.49192	4.25437	5.47514	5.40993	5.96227	5.54936	6.68462	6.07712	5.42436	6.16376	5.1134	5.78504	6.57513	5.15717	6.76637
MCEE	7.21296	7.25444	8.13632	8.53248	7.93978	6.96782	7.92974	7.4449	7.13775	7.42914	7.07482	7.49719	7.58505	6.07557	7.41516	7.73538
MCEMP1	6.14011	6.7638	5.48278	5.89493	7.4145	5.11891	6.41398	6.36903	7.21144	4.60176	9.81024	7.94829	6.97801	5.23587	6.75934	6.55905
MCF2	4.51056	4.91481	4.74224	5.65877	5.16136	4.77206	4.69036	4.71358	5.06897	5.03322	5.0418	4.37334	5.59435	4.82056	4.73561	5.14656
MCF2L	5.11379	4.71933	4.56925	4.5951	4.95126	5.50474	5.56083	4.70445	4.64969	5.83	4.36086	4.81469	4.94638	5.16763	5.05998	5.22056
MCF2L-A	3.79639	3.61956	2.79272	3.79536	2.91487	3.71116	3.76501	5.43602	3.46459	2.80132	2.6113	3.0573	5.33097	3.58891	2.43868	4.31542
MCF2L2	3.0835	4.70756	3.391	5.01314	4.98786	3.65332	5.15052	4.87944	4.46917	4.5797	3.84453	3.89608	4.71449	3.51712	4.2981	3.44273
MCFD2	6.53093	6.21609	7.0261	6.50096	6.73391	6.70112	5.97368	6.74529	7.10162	7.65029	6.72393	6.32459	7.25205	6.37629	6.65166	6.74365
MCHR1	2.9047	2.64592	2.36895	2.68743	2.6746	2.31654	3.04535	2.44654	3.60362	1.99228	4.17457	1.98412	2.44603	2.43058	2.60835	3.0279
MCHR2	6.48947	6.17538	7.04694	6.8906	6.74406	6.77117	6.05744	6.64264	6.59181	5.75038	6.85136	6.4977	7.39834	6.71599	6.16222	6.77297
MCHR2-A	3.33424	3.47862	3.7682	3.55262	3.72831	5.42456	3.81401	4.47042	3.98737	5.16049	3.38168	3.39293	4.26713	3.55528	3.20688	3.29046
MCL1	5.93403	6.60609	6.52676	6.38596	6.54728	6.04791	5.91806	6.45376	6.93394	6.26587	6.92393	5.81836	6.38973	5.73636	6.10217	6.67044
MCM10	4.4044	5.17737	5.31468	4.09547	6.64551	4.79903	7.16436	6.90197	6.49857	4.41255	7.33445	5.2994	6.62353	5.81741	5.475	6.94474
MCM2	8.15584	8.17578	8.24318	7.98209	9.38768	9.055	8.82099	8.73603	9.58912	7.70121	9.94645	9.54561	9.04557	9.71962	9.57352	9.69136
MCM3	6.92615	7.21035	6.60817	7.02068	8.46182	6.35351	7.45051	7.07704	7.92399	6.10559	8.12675	7.10488	6.14906	8.07686	7.5023	6.77096
MCM3AI	5.31895	5.33811	5.02351	5.08	5.34118	4.91953	5.65114	5.61533	4.99415	4.65281	5.48686	4.76854	4.50648	4.91313	5.04437	4.76297
MCM3AI	5.10451	4.52861	5.57521	4.34259	4.89528	5.97916	6.23931	6.22768	4.96694	4.81026	4.99336	4.92034	5.59367	5.65354	5.31789	5.16681
MCM4	4.30457	4.35335	4.33627	3.92354	4.78121	4.60192	5.0084	5.02605	5.02973	3.92821	5.62225	3.60559	5.50521	5.34415	4.88984	5.57483
MCM5	6.95399	7.95203	6.92903	7.03686	7.99888	7.3332	7.68033	7.58648	8.17853	7.06635	8.49504	9.00592	7.77708	7.96455	7.76523	7.96758
MCM6	6.7969	7.69134	5.77186	7.10635	7.84223	7.44601	7.53607	8.07874	7.83726	6.87531	8.13632	7.20528	7.80162	8.00205	8.16729	8.51568
MCM7	7.40625	7.08637	7.83583	7.31491	8.41589	8.26432	8.08518	7.3755	7.62815	8.30977	8.81813	8.75771	8.16431	9.1574	8.75206	9.39963
MCM8	4.88909	5.69927	6.01907	5.40501	5.1686	5.87081	6.09622	6.62616	6.03112	5.31186	5.55652	5.81369	6.06212	6.22344	6.17495	5.58837
MCM9	6.37272	6.06141	6.3411	6.31677	7.05063	6.67266	6.35285	6.55493	5.58748	6.30419	6.02045	6.19907	6.34657	6.27896	6.46531	6.51834
MCMBP	6.26498	6.39618	6.35133	6.42667	6.22548	6.19482	5.87645	6.23723	6.72182	6.46401	6.19683	6.21843	6.45915	6.33967	6.24655	6.53264
MCMDC	3.60559	3.62262	2.3893	1.87732	3.66032	2.63719	3.43926	3.78507	4.0649	2.22193	2.65667	2.30979	1.95191	3.32355	3.59313	3.7913
MCOLN1	5.24859	6.32837	6.60078	6.55968	5.0626	6.63108	4.73921	3.91364	6.52457	6.73719	7.4238	7.35274	7.11476	4.78915	5.76606	5.44072
MCOLN2	5.59343	5.95954	5.09772	6.33083	5.81289	5.44017	5.48278	7.13071	6.36353	4.98419	6.91333	6.41661	5.53181	5.07665	5.77662	5.47104
MCOLN3	4.07031	4.61047	3.60803	4.12015	3.3733	4.27608	4.56336	4.90488	4.40116	4.88936	3.49924	4.00461	4.90609	4.44582	3.77058	3.51777
MCPH1	5.47218	5.65647	5.65592	5.5832	6.3346	5.41161	5.97649	5.24084	4.86906	5.38244	5.1312	5.35346	5.41101	6.01939	5.12258	5.89737

MCRS1	6.68013	6.8328	6.64937	6.87988	7.04141	6.26392	6.38093	4.16157	7.20332	6.5845	6.86006	7.32899	7.22877	7.56501	6.64457	6.77297
MCTP1	6.0589	6.52299	7.9949	7.12819	6.5377	7.2577	5.9893	6.92098	7.22255	6.55469	7.06005	7.00057	7.37234	6.13689	7.08796	7.02742
MCTP2	6.17732	6.26737	6.25165	6.14853	6.41933	6.19751	6.01401	6.4158	5.7106	6.2605	6.49706	5.63327	6.55289	5.58778	6.06525	6.51946
MCTS1	7.27505	7.59121	7.38957	7.00902	7.47978	7.6884	7.88701	7.91786	7.45503	7.70966	7.48719	6.73791	7.55303	7.59906	7.36252	7.34377
MCU	8.3403	8.25183	8.25902	8.02714	7.57594	7.78725	7.26403	8.10588	7.43168	8.05562	7.72596	7.23263	7.71496	7.61481	7.76388	7.77507
MCUR1	6.5166	7.19309	7.18817	7.06673	7.30308	6.94474	7.46989	7.38533	6.96523	7.56225	7.21241	7.53361	7.62214	7.61117	7.81334	7.40742
MDC1	5.60928	5.1147	5.37537	4.88779	5.50058	4.85212	5.22056	5.40317	4.89043	6.36201	5.48589	4.70093	4.9904	5.08498	5.46303	5.48754
MDFI	5.00904	3.46411	5.28144	4.88519	3.46884	3.36385	6.26102	3.19037	4.60738	5.74224	4.28892	4.85258	4.07063	4.75121	3.67604	2.79166
MDFIC	6.34748	7.68546	7.58033	7.8991	7.22538	6.89645	6.44381	6.98593	6.98315	7.2634	7.41264	7.56138	6.94374	6.31537	7.21675	7.48831
MDGA1	3.54065	3.1027	3.93813	3.60803	3.56983	3.40822	3.3065	3.71281	3.47059	3.72694	3.83233	4.2981	3.81063	3.22488	4.4062	4.01078
MDGA2	3.61736	3.9093	4.22106	5.03092	4.29147	3.1434	2.71932	4.02452	3.60186	4.65845	2.88947	3.39891	4.13479	4.96879	4.32957	4.95084
MDH1	9.055	8.99568	9.99925	9.9547	10.7755	10.1917	10.4836	9.60364	10.3283	9.90718	9.83019	8.98332	10.3563	10.2804	9.82345	9.65881
MDH1B	8.68521	7.30095	4.95496	7.96917	5.64301	4.75966	5.61646	4.62412	5.95617	5.95652	3.02906	5.49659	6.15085	4.88056	6.35836	4.20319
MDH2	8.78995	8.88342	8.3171	8.51568	8.87038	8.85361	9.39051	9.12237	9.2707	9.055	8.87147	8.70529	9.2812	9.57938	9.96379	9.38206
MDK	7.28741	7.73385	8.24872	7.67387	7.3146	7.91945	4.34799	7.19321	8.25651	7.80077	6.97693	8.00595	7.30433	8.09817	7.45568	7.90683
MDM1	7.87124	6.43019	6.51364	7.05016	7.30272	6.90842	7.44871	6.42834	6.96888	6.07925	7.2235	6.40021	7.80726	7.52261	7.23877	6.9415
MDM2	4.79956	4.94577	4.76747	4.81438	5.17854	5.24253	5.48131	5.17033	5.04051	5.27976	5.25333	4.39799	5.00175	5.58559	5.26091	4.88534
MDM4	6.64834	6.26645	6.76041	6.30391	6.71555	6.97599	6.82404	8.22214	6.1677	6.76622	6.63642	6.74227	6.06266	6.49328	6.77672	6.92836
MDN1	5.46062	4.71007	5.18	4.82056	5.10172	5.89846	5.72358	6.22003	5.38032	5.37133	5.67998	4.92282	5.32805	5.41227	5.77051	5.86557
MDS2	5.44274	5.73055	5.5803	5.15526	5.46793	5.7765	5.48413	6.36638	5.09073	5.5025	4.66277	5.54116	4.67533	5.6503	5.77833	4.88936
ME1	6.27896	6.97145	6.68292	5.97749	6.50559	6.12451	7.04051	6.61924	6.51464	7.05868	6.87912	6.28672	5.33742	5.99968	6.02159	6.33379
ME2	6.26102	5.89999	6.25904	6.35256	7.36816	6.00833	6.5782	5.57414	6.86192	6.78968	6.91272	6.99346	7.31389	7.66915	7.53069	6.55527
ME3	6.70844	6.21797	5.61119	5.27501	5.81948	5.76559	5.17489	5.46371	5.65144	6.60748	4.9024	5.82328	5.1725	5.30548	5.29914	5.88481
MEA1	8.94892	10.0953	8.17578	9.3733	9.16131	10.5911	10.2583	10.0079	10.3833	9.66727	9.42357	10.1781	10.4209	10.1781	9.4363	9.1574
MEAF6	8.30082	7.81563	7.96861	8.20748	7.75696	7.68546	8.01367	7.35385	7.90074	7.73337	7.2508	7.70241	7.72037	7.95514	8.10604	7.52519
MECOM	5.73271	5.42632	5.33145	4.98499	6.13608	5.61268	6.55936	5.60298	5.42694	5.57862	4.41044	5.08724	5.60393	5.92983	5.11956	6.38477
MECP2	5.95902	5.7411	6.31984	5.80008	6.30604	6.54823	5.87747	6.60204	6.40739	4.98058	6.08798	5.92351	5.33989	6.39462	6.17824	5.63564
MECR	7.21911	7.55025	6.01704	6.92944	6.99884	6.6437	6.21754	6.4399	6.63893	7.32805	7.25783	7.10829	7.52204	7.82888	6.8277	7.73646
MED1	6.71343	5.98534	6.64395	7.01477	5.74555	6.78466	6.72429	4.41311	6.46475	5.47909	6.36267	5.71997	5.77781	5.9769	6.30273	5.57521
MED10	5.15459	7.41324	7.17279	6.34538	7.3188	6.20277	5.94871	4.20991	3.9348	6.43984	7.71977	8.03276	7.45494	8.2181	7.3029	7.25982
MED11	8.19619	8.32269	7.91759	8.56598	7.66915	8.65576	7.24157	8.09325	7.77205	7.20891	7.02866	8.01099	8.13873	8.39387	7.20087	7.48191
MED12	5.0244	5.09234	5.92567	5.08801	5.35722	5.58973	5.13493	5.20936	6.09737	4.90154	5.47673	4.72309	4.99245	4.83383	5.08081	4.98232
MED12L	4.71386	3.73244	3.55559	4.49757	4.13444	3.80575	4.58277	3.64338	4.24599	4.1581	4.47992	4.24814	4.15309	3.94431	4.81438	4.61206
MED13	6.68871	6.35062	6.9197	6.9514	6.64834	7.21296	6.51929	6.31164	5.72522	7.32176	7.12462	5.75088	6.91121	6.71808	6.40861	6.29363
MED13L	6.52472	6.36032	7.40819	6.23544	6.49484	7.20038	6.65137	6.0554	6.62436	6.70243	6.66656	6.19553	6.3379	6.6672	6.95399	6.53093

MED14	5.70337	5.29269	6.09003	5.57304	5.43291	5.6401	5.57261	5.67192	5.9455	5.62788	5.48731	5.73816	6.01459	6.15282	6.15629	5.81948
MED14O	2.44059	3.11174	3.34445	1.93131	2.71531	2.72526	2.70047	1.73724	2.35886	3.18735	3.45096	2.75185	1.97096	2.51368	2.00801	3.24808
MED15	7.80863	7.75049	7.83226	7.87124	6.85861	7.75453	6.0882	6.94457	7.25642	7.8562	7.76863	8.64603	6.90589	8.31371	7.1351	6.86602
MED15P	8.46273	7.94154	7.35274	8.0941	7.40328	7.4566	7.66395	8.05538	8.21072	8.16276	7.75483	7.73933	7.64701	7.55088	7.51172	7.82907
MED16	6.8113	5.98353	6.07655	6.11888	6.00788	6.68022	5.52577	6.2296	6.34082	6.79359	6.45939	6.78863	5.68092	6.2013	5.74475	6.15699
MED17	6.42817	5.76497	7.08047	7.02742	7.26885	6.70524	6.95587	6.82203	6.60536	6.53336	6.6295	6.24726	6.51534	7.41697	7.0227	7.1664
MED19	7.91692	7.64788	7.51329	8.21161	7.60078	8.26232	8.04821	7.73104	7.95378	7.52638	7.52478	7.50047	8.27535	8.63631	7.4188	7.89256
MED20	5.662	6.21634	5.84343	6.28643	5.92825	6.33337	6.6655	6.438	6.72058	5.33889	6.18661	6.38087	6.45561	6.2836	6.96469	6.62321
MED22	6.73301	7.35822	7.27505	7.08088	7.23403	7.05993	6.94269	6.54134	6.95611	7.52519	6.90931	7.58461	6.75946	7.88843	7.09489	7.51009
MED23	5.76312	5.97406	5.76889	6.20996	6.33239	5.06033	5.36727	5.41267	5.70189	5.72448	5.84712	5.0723	5.97268	5.54756	5.86855	5.73271
MED24	2.63482	2.41683	1.79898	2.0998	1.54197	1.81697	1.54854	2.04007	2.5663	2.19868	1.74872	1.67664	2.07729	1.5436	2.56931	2.61375
MED25	3.95717	4.56962	3.60684	4.15423	3.09851	4.14568	3.77534	4.49249	3.57764	3.61646	3.59643	3.90824	3.37079	3.49503	4.45523	4.36607
MED26	5.39128	5.15199	5.768	4.71149	5.5016	6.01633	5.11744	6.21299	5.78642	5.30969	5.08995	5.60149	5.17622	6.02894	5.7594	5.5545
MED27	5.35063	5.70264	5.37522	5.99514	6.93659	6.26194	5.92501	5.64977	6.2306	6.14519	6.79474	6.11334	6.26933	6.3948	6.34163	6.85409
MED28	6.21387	6.23037	5.89999	6.36379	6.38787	6.41723	6.404	6.34361	6.10003	5.87483	6.1383	6.30419	6.6495	6.3343	6.28689	6.6447
MED29	8.09882	8.63421	8.30517	8.61941	8.32241	8.21557	8.17633	8.18597	8.4703	8.55961	7.60624	8.51084	8.17903	8.10686	8.12853	8.19059
MED30	5.39161	5.08081	5.00425	5.55564	5.33697	5.1647	5.20188	4.7443	5.09175	4.40463	5.53096	5.33126	5.6532	6.10396	5.30238	5.71644
MED31	7.20937	7.2117	7.18152	7.50807	6.67956	7.47582	7.35989	7.11055	6.52602	6.99578	6.77539	7.12205	7.49656	7.30631	6.97485	7.18028
MED4	7.75071	8.32985	7.7963	8.13632	8.58199	8.43657	8.66226	8.24872	7.85248	7.87018	8.90453	7.44432	7.98398	8.47942	8.90341	8.72779
MED6	4.96847	5.43394	6.15893	5.41489	6.20463	5.76312	3.34101	3.81899	5.74014	5.17051	5.97527	4.23968	3.06097	4.22596	4.27998	4.41586
MED7	6.88646	7.42868	7.1342	7.45459	6.77456	6.88927	7.00117	6.98246	7.29519	7.3332	6.80432	7.37359	7.73538	7.15001	6.9363	7.09732
MED8	5.8211	6.39586	6.60124	7.01792	7.02532	6.18406	6.54284	6.07446	6.68175	6.32848	6.53593	5.59123	6.72816	6.20321	6.45994	6.60922
MED9	6.40233	6.86529	7.65153	7.46174	7.12924	6.80543	7.16026	7.16207	7.24306	6.25838	7.16146	7.57158	7.34801	6.94509	7.39559	6.99057
MEDAG	5.40242	5.53472	5.82871	5.81646	5.20466	4.85515	5.10172	5.54233	5.2068	4.96879	6.22235	4.90633	5.66492	4.99121	5.09531	5.27302
MEF2A	6.80563	7.04666	7.4042	7.528	7.53547	7.34115	6.56975	6.97754	6.87156	7.40895	7.44463	6.82962	7.10875	6.88246	7.38635	7.45408
MEF2BN	7.27645	6.32164	6.08225	5.89071	5.91125	6.67044	6.59409	6.63752	6.95968	5.98219	7.42325	7.45459	7.43404	7.21604	6.4483	6.86735
MEF2C	5.2853	7.63154	7.56096	6.80592	6.67121	6.64277	4.58508	6.79006	5.92597	6.56214	5.05177	7.14827	6.05478	4.978	6.24308	5.75211
MEF2C-A	3.5501	3.94506	4.01912	3.48474	3.7606	3.4746	3.39293	2.83945	2.70734	3.58913	3.40575	3.11416	4.01206	2.93125	3.24403	3.31912
MEF2D	5.14307	5.88301	6.26341	6.36767	6.00586	6.63002	5.90235	4.34547	5.76532	6.57748	5.956	6.62473	5.4639	5.52822	6.54069	5.27686
MEFV	3.99584	2.59102	2.21086	2.98748	4.77676	1.42001	3.0573	4.18478	2.90046	2.91059	3.96629	1.44837	5.64923	2.57571	3.75151	2.86424
MEG3	4.28169	4.35788	4.43867	4.35897	4.52512	4.40595	4.68387	4.64981	4.22771	5.07033	4.35703	4.73152	4.52011	4.65072	4.27879	4.59673
MEG9	1.79935	1.16965	1.32681	3.45327	3.50802	2.88086	2.20014	2.46648	3.49474	4.46917	2.15913	2.71947	2.8623	4.43638	4.52824	2.34348
MEGF10	5.01713	5.21285	5.15242	4.00169	7.12714	6.96042	4.95874	5.59929	5.08387	5.47346	4.09708	5.65565	7.56462	3.42132	5.77019	6.06884
MEGF11	4.40595	3.68243	4.01027	4.57597	3.33257	3.51712	4.35425	4.04356	3.85906	3.73033	3.84226	3.84282	6.28672	3.38957	3.77859	4.03381
MEGF6	4.59728	3.19767	4.80436	3.84172	5.39225	3.43791	4.23787	3.07245	3.57535	4.2285	3.69964	3.61736	3.42726	3.31872	5.87407	3.11441

MEGF8	7.08717	6.85775	6.86221	6.95897	6.95042	7.33205	6.72968	6.94115	6.42499	7.17259	6.40861	6.87888	6.39759	6.87678	6.86455	6.33597
MEGF9	5.55944	6.04684	6.6832	6.27641	6.7918	6.77308	5.34383	5.38244	6.56901	6.51475	6.3979	5.37873	5.63427	6.67543	6.29386	6.26266
MEI1	4.46997	5.50032	6.13169	5.70415	5.05327	5.12733	3.99432	5.06051	5.01758	6.30626	4.97018	5.64719	5.45244	5.02776	5.7418	5.5751
MEIG1	8.61036	6.96963	6.01115	8.07849	6.22371	6.31072	6.2519	6.5719	4.93727	6.6957	5.85373	6.24803	6.72193	6.0554	6.3379	6.75482
MEIS1	7.06297	7.41816	7.24445	6.47473	5.8691	5.98199	7.99918	6.67771	5.70221	7.59296	5.82281	4.64707	4.81568	5.93039	5.46171	7.16831
MEIS2	10.0953	9.2707	8.8262	8.96525	8.41823	8.03074	7.82869	8.67835	8.26668	9.94429	7.46424	8.17315	7.37635	7.33649	8.68694	9.28645
MEIS3	4.87251	5.04828	5.30913	4.85535	5.18587	4.67745	4.92858	5.11655	5.27302	5.64861	5.08694	5.37522	4.65395	4.69793	5.63462	5.60785
MEIS3P1	9.08751	8.19059	7.976	8.04151	6.3009	6.97145	6.60527	7.24572	7.19596	8.7731	6.54459	6.3708	5.67071	6.6752	6.6688	5.77235
MELK	7.94201	8.49565	8.26942	7.14019	8.71679	8.84082	9.43324	9.22028	8.85137	6.70182	9.58912	8.75563	8.87472	8.51154	8.13492	9.1841
MEN1	6.16827	6.02581	6.42092	5.6699	6.94762	7.38734	6.38359	6.88783	6.7186	6.73719	6.85446	7.64368	6.63787	7.20992	7.0773	6.70141
MEOX1	5.79227	6.94115	8.57292	7.78156	7.23561	7.71733	6.39959	7.48312	7.6003	7.08843	8.05303	7.4983	8.56997	6.06328	8.5739	6.50178
MEOX2	1.16395	1.69354	3.37673	3.44414	2.54096	3.44414	1.10724	1.41953	2.41935	3.36671	2.26153	1.8594	0.49837	2.20796	1.63512	0.17325
MEP1A	4.50587	4.68339	4.95701	3.96234	4.23397	3.90614	4.27634	4.53792	5.08822	4.44111	4.15044	4.36401	4.33795	3.91524	3.96629	5.08786
MEP1B	6.22381	6.74577	6.52875	7.12363	6.74566	6.94509	6.71054	6.61469	6.68243	7.07611	6.87298	6.76245	7.0261	7.04207	6.8419	6.83822
MEPCE	8.6349	8.3496	7.8749	7.97957	8.43657	7.97022	8.08396	7.87706	8.83036	8.52724	8.51015	8.8262	8.35838	8.37262	8.91327	8.83744
MEPE	3.16429	3.31135	3.0591	2.28551	3.0533	2.72526	3.87897	4.10002	2.28837	3.66644	2.41572	2.44179	3.14193	3.33112	2.7465	2.53538
MERTK	5.2467	4.37264	5.80973	5.66519	6.31802	4.67727	6.16168	5.99397	4.1422	5.03513	6.07332	5.77633	5.41054	5.3392	6.20604	6.15875
MESDC1	5.88168	5.92786	6.84366	6.93418	6.62601	6.18822	6.55112	6.52829	6.9667	6.29363	7.50665	6.26164	5.64746	5.94238	6.63119	6.53227
MESDC2	7.0936	7.33152	7.3425	7.24511	7.4919	6.77263	7.73143	7.44432	7.96606	7.5397	7.37885	7.24063	7.38774	6.58481	7.32333	7.37995
MESP1	6.32149	6.32977	6.48699	6.10144	5.92122	6.00991	5.61304	6.10379	6.43533	6.35309	6.11559	6.55112	5.6896	6.32189	5.7287	5.40915
MESP2	6.89947	6.58066	7.02978	6.86383	6.02877	6.42707	6.99855	6.88661	6.54152	6.984	6.88841	6.93864	6.18203	6.53457	6.70112	6.58362
MEST	6.92944	6.71161	7.56657	6.24633	8.62832	6.986	9.06301	7.02785	7.85803	7.03639	6.40207	6.89653	7.11209	8.97179	9.1668	10.3951
MET	5.9817	4.78762	5.38864	5.49629	5.05469	4.79429	5.63391	4.36417	5.43333	5.66145	6.2291	5.1928	5.29914	5.47986	5.37862	4.3717
METAP1	8.47465	9.05078	8.73982	8.54172	9.96379	9.29168	8.77378	9.36362	9.29696	9.20192	8.95432	9.0105	9.11315	8.96044	8.90453	8.90524
METAP1	3.83335	4.50847	4.64412	4.97512	4.03892	5.05998	4.72058	4.54431	3.4744	4.7818	4.60566	3.85851	4.99733	3.91319	4.55822	4.90711
METAP2	7.30766	7.71993	7.47865	7.35865	8.24933	7.27645	7.79666	7.76581	7.51623	7.09167	7.69886	7.14657	7.68518	8.12887	7.78404	8.20284
METRN	6.21634	4.0856	4.78555	5.62838	4.34027	5.17309	5.64923	4.45424	4.40873	5.20358	5.50962	5.16778	6.22768	5.97627	4.38917	4.23968
METRNL	7.79491	7.96335	8.25405	7.73179	7.46424	7.29617	7.37837	6.97033	7.59745	7.5206	10.5665	8.23028	8.09031	7.94855	7.77507	7.57979
METTL1	7.58344	7.55544	7.2112	7.62734	7.75735	7.90695	8.15714	8.03184	7.92119	7.66326	8.04288	8.59875	8.14684	8.55081	7.88233	7.5682
METTL1	5.67221	6.24346	5.92983	5.74348	6.2845	6.01282	5.86584	6.02159	5.83661	6.03236	5.94761	5.63605	6.02526	6.13121	6.11045	6.56684
METTL1	7.42409	7.52519	6.78183	7.0227	8.07912	7.22985	7.71385	7.74052	8.03137	7.58677	7.93762	7.77756	8.22455	7.4726	7.72407	7.79072
METTL1	5.92959	5.73398	6.26444	5.91479	6.33042	6.60626	6.27756	6.11888	6.9803	6.05522	6.20086	5.9606	6.13418	6.55009	6.38732	6.34726
METTL1	6.36638	5.83063	5.36481	6.06074	5.91445	5.59425	5.79169	6.06123	5.98662	5.49711	5.75987	5.91675	5.86436	5.72177	6.01282	5.70383
METTL1	7.90171	7.81773	7.82748	7.35181	8.51627	8.24208	7.13293	7.5148	7.85698	7.6702	7.53123	7.96656	7.79766	7.72862	7.65498	8.00492
METTL1	6.89191	7.49393	7.61366	7.98493	9.01815	6.19825	6.46086	6.8657	7.56657	7.22941	7.66179	7.04849	7.89457	7.30811	8.01247	8.15305

METTL2(	4.79823	4.47073	4.87083	5.30604	4.8435	4.87023	5.0187	5.01256	5.02024	5.1339	4.75713	5.02068	5.20796	4.18267	5.00639	3.87174
METTL2	5.00103	6.40096	6.1892	7.02137	7.33255	6.70492	6.65613	6.24136	5.91215	3.63292	6.44616	5.73904	6.02595	6.59531	7.08988	7.50417
METTL2	6.59443	6.98952	6.59709	6.57702	6.90068	6.80782	6.63863	6.94777	7.50324	8.48507	6.94256	6.48089	7.18266	7.48663	6.9463	6.89051
METTL2	5.31338	5.69214	0.64602	5.22073	4.97329	5.26406	4.81992	5.36903	3.98331	2.12186	4.68317	2.48941	5.95444	5.36454	4.85535	5.21189
METTL2	5.9621	6.12852	6.64708	6.25794	6.15674	6.08074	6.65014	6.76064	6.31673	5.86819	6.06212	6.82623	6.76392	6.33213	6.30364	6.0736
METTL2	5.05869	5.7287	4.45264	4.89829	5.39594	5.05601	5.55247	5.70032	5.07971	6.30893	5.03761	5.63003	5.20188	5.50686	6.12184	6.65239
METTL2	9.5326	10.167	10.2955	10.3399	10.3603	10.0342	10.0518	10.3951	10.4778	9.68889	9.52795	10.0103	9.89582	9.66375	9.76893	9.85394
METTL2	8.60597	7.74515	8.10173	8.17292	9.12549	7.62133	7.44642	8.48984	7.81701	7.27289	7.3332	7.77708	8.07262	8.16319	8.10362	8.81879
METTL2	6.3245	5.77688	5.28291	5.8258	4.31232	5.90676	6.87216	5.8816	6.00252	6.1908	6.14261	5.03368	5.75136	7.05363	6.95333	5.70264
METTL3	7.43605	7.05384	7.82975	7.03429	7.8954	8.32702	7.00304	8.1889	7.83558	7.60818	7.58402	7.55559	7.21997	7.26214	7.54087	7.86658
METTL4	7.37495	7.58615	7.60958	7.23877	7.94631	7.12158	7.55817	7.37495	7.72862	6.79818	7.39533	6.99931	7.61408	7.2034	7.95868	7.67964
METTL5	7.33374	7.73179	8.07963	7.99006	8.58048	8.2181	7.50708	7.91926	7.91358	7.5749	8.35965	7.51396	8.19104	7.75205	8.28199	8.03184
METTL6	3.38676	3.44577	3.61778	3.75766	4.67817	3.77935	3.7273	3.97307	3.871	3.778	4.03082	2.74504	4.37359	3.14136	4.02009	3.91094
METTL7	7.1559	6.76219	6.7551	6.92317	6.27798	6.56645	6.49041	6.80592	6.34726	7.11556	5.77746	6.86866	6.387	6.36178	6.1291	6.4066
METTL7	4.02962	5.14382	5.30419	5.07849	4.43422	4.64364	5.65267	4.58008	5.49113	2.83032	6.10217	5.61969	5.9848	5.89027	4.72297	4.67059
METTL8	5.19477	5.53494	5.55384	5.29298	6.74281	6.07154	6.34674	6.21309	5.88508	5.74805	5.78705	5.54484	6.10475	7.01893	6.8806	6.55067
METTL9	6.91191	7.51623	7.66951	6.95333	6.83822	7.67409	7.74515	7.04666	7.61764	6.69058	6.87563	7.16505	7.19982	7.55367	7.45236	7.54204
MEX3A	4.31815	4.5915	5.23607	4.52416	5.42389	5.55712	5.51727	4.53581	4.45735	4.84933	4.83434	4.92713	5.5121	5.64618	5.3654	5.35079
MEX3B	3.6565	6.2003	5.36067	6.28722	4.76067	5.56637	5.69581	4.07245	3.25201	5.56444	4.66023	5.26764	5.97056	5.25231	6.21493	5.93164
MEX3C	3.95179	4.4917	3.97261	4.72596	4.52451	4.70305	5.12234	4.77406	4.12524	4.75373	4.58508	4.41747	5.37219	4.6787	4.56413	4.94776
MEX3D	4.18147	5.03914	4.58644	4.96449	4.4044	4.80874	4.62587	4.54756	4.12051	4.71667	4.50994	4.42048	4.70238	4.77111	4.48281	4.6673
MFAP1	8.69882	9.1358	8.73887	9.26758	9.20103	9.12237	8.33874	9.04127	9.05155	8.92921	9.05644	9.06963	9.04695	9.41034	9.11675	9.07809
MFAP2	7.41057	6.64451	7.29957	6.57702	6.55019	7.69492	6.63574	4.6439	6.24261	7.25418	6.96067	7.45076	7.36452	7.76197	7.47951	7.3713
MFAP3	5.38276	5.03715	6.03942	5.30045	5.8546	5.74209	4.95342	6.24458	5.75395	4.72236	6.75738	5.38153	5.34851	5.20358	6.26313	5.12946
MFAP4	3.32431	3.64032	3.6244	4.41415	3.86774	3.57327	2.81469	3.15288	3.71298	3.36001	3.09709	3.16915	2.49591	3.16811	4.26456	3.39583
MFAP5	2.90235	4.87555	4.06326	2.86273	6.81474	3.59361	3.63872	4.72596	4.10024	6.54757	3.5613	3.47705	4.48995	5.07878	7.27451	4.9904
MFF	8.25013	8.8433	8.47703	8.37262	9.28504	8.66383	8.84269	9.29927	8.73982	8.8262	8.08518	8.51477	9.36926	9.25598	9.18179	9.4469
MFGE8	4.40791	4.12453	4.14389	4.28639	3.83175	4.33243	6.14076	4.71588	6.38596	4.53581	6.22158	5.99129	5.70777	4.29638	6.16396	4.14722
MFHAS1	6.65193	7.3118	7.49594	7.53886	7.73538	7.64835	8.44788	7.80162	7.8415	7.06455	7.25476	7.44302	8.32931	8.38687	6.9925	8.39497
MFI2	5.00256	5.01314	4.4803	4.83417	4.67416	4.25148	4.80725	4.43031	4.69923	5.39161	5.12539	5.33553	4.50924	5.00871	4.32501	5.46303
MFI2-AS	5.22179	4.46942	6.13572	4.43996	5.15577	5.26002	4.75171	4.67416	4.57197	5.10428	4.10354	5.48228	4.88861	4.97169	3.93534	4.89504
MFN1	6.59344	6.07925	6.61459	6.62705	6.97577	6.55905	6.92098	7.06915	6.80249	6.81974	6.83752	6.1916	7.00541	6.61013	6.34587	6.94509
MFN2	6.08682	6.65525	5.51774	5.60443	5.80414	5.70963	6.30117	5.69563	4.99004	6.2458	6.46694	5.75768	5.90118	5.93839	5.91806	6.13554
MFNG	4.88265	4.87799	4.80725	4.57686	4.94868	4.26797	4.196	4.9467	4.62341	4.63704	4.93183	4.59455	5.11644	4.18038	4.59328	4.34754
MFSD1	9.6193	9.81254	9.88284	9.70398	9.88096	9.66911	8.69613	9.80516	10.6233	10.5398	10.3157	8.58931	9.60364	7.96786	8.99912	9.43324

MFSD10	7.68698	7.39264	7.10758	7.31389	6.30709	7.05524	6.31876	5.54093	7.1578	7.8527	7.20874	7.55025	7.67349	7.58662	6.76219	7.10758
MFSD11	7.2798	6.83112	7.67291	6.90375	7.20038	6.82903	7.04564	6.8247	7.20912	7.11329	7.21537	7.22016	6.9799	6.97093	7.12487	6.61056
MFSD12	4.92034	5.13011	5.51802	6.28	5.85187	6.47297	6.57541	6.19499	6.48637	6.35326	6.4202	6.40072	4.91676	7.39264	6.45815	6.5782
MFSD2A	5.90945	3.90264	5.19773	5.03555	4.39393	5.03836	5.62881	4.95945	4.85434	5.22241	4.61847	5.2507	4.80236	5.17515	3.69327	4.99704
MFSD3	7.02968	7.20758	7.7232	7.2112	6.93009	7.66624	6.8991	7.34509	7.11405	8.73887	7.6195	9.08426	7.55846	8.50784	7.49794	7.64835
MFSD4	6.58127	6.05003	5.22636	5.81537	4.46375	4.23371	3.58121	3.95264	4.6954	6.14938	4.42048	4.94577	3.70705	3.95509	4.2727	5.65675
MFSD5	7.76594	7.7961	7.65997	8.0406	7.73311	8.47869	7.38282	8.09206	8.84477	8.6352	8.27535	8.06572	7.13829	7.61706	7.68272	7.1777
MFSD6	7.98789	7.04081	8.10604	7.55529	7.45051	7.1297	7.92068	6.29208	7.30095	7.55487	7.24063	6.12395	6.27821	5.95993	7.25999	6.22079
MFSD6L	3.77751	3.50584	2.85145	3.52553	3.12473	3.09851	3.03237	3.23218	3.09248	6.39685	3.111	2.86273	2.8623	2.95261	3.23099	2.34348
MFSD7	3.59043	3.69122	3.58582	3.53349	3.71004	3.83939	3.58161	4.18842	4.56123	4.24709	5.14329	5.19303	4.17998	4.19903	3.73033	4.99336
MFSD8	6.58567	6.81827	6.6161	6.32283	6.63258	6.3484	6.17961	6.51863	6.14853	6.67094	6.76579	6.21942	6.7883	6.18379	6.87156	6.55633
MFSD9	5.95929	5.21707	5.82837	4.99899	5.12109	5.25231	5.51128	5.13074	4.92686	5.35608	4.31456	5.16049	4.7155	5.5118	5.61448	6.50306
MGA	3.4527	3.1965	3.99287	5.06692	3.72504	4.70148	5.51058	4.29278	5.39317	3.54755	3.83088	4.35897	4.5349	2.61248	4.51913	4.17355
MGAM	6.83992	7.46976	6.94208	5.85864	6.01106	5.59245	5.54511	5.80439	6.21486	4.78392	6.25249	6.11912	5.37514	5.73039	5.10259	6.33034
MGARP	2.27273	2.95972	2.21086	1.50761	2.71531	2.97137	2.8619	2.17246	2.35886	2.77263	2.18694	1.73861	2.23314	2.34474	3.06557	2.99971
MGAT1	8.46688	8.38858	9.13804	8.42381	8.02303	8.08079	7.65295	7.50924	7.98418	8.17146	9.09601	9.36543	7.86145	8.39139	8.53743	7.74091
MGAT2	5.86166	5.95773	6.71343	6.1209	5.86507	5.324	5.09699	5.3317	6.01282	6.00684	5.87573	5.77011	5.52538	5.64746	5.37607	6.21912
MGAT3	5.18736	4.91553	5.26149	5.12193	5.63775	5.15281	6.3264	5.47104	5.05142	4.76263	5.0014	5.41012	5.16837	4.89581	5.09584	5.52455
MGAT4A	6.45758	6.68374	6.88201	6.52664	6.42817	5.83707	5.3392	6.9671	7.10353	6.96523	6.9079	6.63473	6.63553	5.42842	6.23412	7.14173
MGAT4B	8.02694	8.43133	7.57964	7.72681	7.29262	7.85021	7.57314	7.16333	6.86138	7.87198	7.77962	7.87748	7.70647	8.28122	7.36526	7.40184
MGAT4C	4.50111	3.02948	3.72831	3.48474	3.12473	3.34224	5.27758	2.01506	3.37954	2.94521	3.65431	4.14261	4.80743	4.39311	3.91572	4.06116
MGAT5	7.31799	7.07198	5.59792	7.13591	7.08255	7.51042	6.42921	7.00403	6.76368	6.51464	6.84836	7.26997	6.88372	6.76245	7.26259	7.21477
MGAT5B	4.0196	3.56237	3.67803	3.59924	2.64708	3.66815	4.14429	3.76863	4.32344	4.1683	4.38066	3.97307	4.04577	4.34161	3.69374	3.52683
MGC108	5.93982	6.86287	6.90283	7.01673	6.44984	6.36476	6.45222	6.0966	6.93706	6.94728	4.80626	6.78548	3.32016	6.53272	6.22252	7.0854
MGC124	4.73822	3.71942	5.24515	2.40724	3.14557	2.63321	5.0499	4.58601	3.85447	3.73393	4.23603	2.93048	4.33163	1.36152	1.94998	1.70353
MGC129	3.60443	3.53968	3.84505	3.18721	4.04682	4.0032	3.9568	3.92267	4.18362	3.48415	4.92117	3.55809	3.36615	3.85851	3.47114	3.49924
MGC157	1.92303	1.22235	1.95191	1.11532	1.48455	1.78116	1.37571	1.51119	2.35886	1.22431	0.48812	2.61134	1.93701	2.68036	3.89749	1.77343
MGC158	5.53171	7.15498	6.96375	6.15228	6.61235	6.52891	6.76425	7.26448	6.04212	6.62932	6.49197	7.43469	6.69178	7.29064	6.46771	6.33896
MGC160	4.29421	6.19642	5.0637	2.83422	4.86578	5.57868	4.41106	5.81525	3.45216	3.65408	5.31347	5.18766	5.87016	3.52815	5.71939	3.91544
MGC161	4.73822	3.31135	5.28718	5.23593	5.90945	5.74089	6.23048	6.05079	5.18657	5.51925	5.62336	5.78361	5.78934	5.54389	6.00568	5.07599
MGC162	6.29785	6.34639	5.47407	6.34906	5.97427	6.39924	6.91218	6.60418	6.46676	6.5305	5.86456	6.31181	6.61328	6.67871	6.31363	6.40133
MGC206	5.65893	6.26802	6.04339	6.53433	6.31611	5.80912	7.15727	6.11327	6.34863	5.93047	6.40739	5.90655	6.56438	6.70182	5.59831	6.39033
MGC241	5.7287	6.17652	6.54672	6.33608	5.95916	7.20902	5.78423	6.81098	6.32121	7.19373	5.99489	6.57303	6.38629	6.12766	6.68221	6.12053
MGC273	4.9553	4.38415	5.0199	3.8462	1.73976	5.25333	4.56843	3.71916	4.13584	5.42929	4.79814	1.77016	4.67307	4.20074	4.16718	4.05789
MGC288	5.19994	5.20259	3.37247	3.9262	4.16584	5.066	5.14257	5.79806	3.65431	4.51316	4.89773	4.48862	5.54936	5.31211	5.82281	3.80262

MGC328(	4.87712	5.07061	4.648	4.64669	4.55731	4.81738	4.8006	5.28311	4.98443	4.54667	4.33877	4.75885	5.12697	5.04401	5.26722	4.69014
MGC347!	4.93295	4.37518	4.65435	6.41692	5.26818	4.9311	6.40898	6.85136	4.73809	5.2129	4.67236	4.41586	4.35356	4.95783	4.4703	5.77375
MGC348(	6.69995	6.01454	6.92836	6.24633	6.20767	6.64881	6.87036	6.64827	6.77653	6.75056	6.20745	6.44753	6.54832	6.55955	6.26374	6.36933
MGC395-	0.9979	1.9808	0.89696	1.89139	2.44843	0.81159	2.78886	1.83717	0.89896	2.23712	1.74872	1.07852	1.41985	2.05268	1.52655	0.42629
MGC395!	3.87518	5.78516	3.40102	5.21663	2.87786	4.82763	3.98737	6.091	5.34823	2.63576	5.81672	6.21786	5.51437	5.16562	3.71862	4.02973
MGC400(	3.54525	4.35356	3.51301	4.6209	5.73429	3.29312	3.855	5.1842	4.23928	3.55099	3.51881	3.51927	3.63599	3.76474	4.15705	3.55219
MGC429-	3.59987	3.20291	2.50291	3.04143	2.76484	4.18599	4.56843	4.42433	2.67969	2.83032	3.23213	3.47261	3.34323	4.06652	3.38625	3.60117
MGC458(	2.68367	5.46615	3.16713	3.48474	3.35289	2.83735	4.15069	3.90071	3.94629	2.91059	3.7868	5.65417	5.75797	5.92496	4.41729	6.95884
MGC459!	4.58951	5.36473	4.48486	1.93131	3.09072	5.03715	3.74769	5.26099	3.5256	5.86096	4.86617	4.93905	5.74383	5.93907	4.28189	4.97647
MGC485!	4.72849	1.32117	4.57507	3.21843	3.03309	1.995	3.85658	3.67908	2.67969	2.95492	4.41614	2.07548	2.10686	1.64103	2.52969	3.67519
MGC507!	5.41522	3.82924	4.86639	4.389	4.35054	5.18249	4.55848	4.19874	5.94649	4.70639	3.58775	4.51805	4.82254	4.23277	3.48084	3.55262
MGC573-	6.82309	6.63175	6.85008	5.9814	6.26392	6.46414	6.5965	6.52006	6.3998	6.71999	6.02393	6.28053	5.78611	6.46975	5.86754	6.74418
MGC708'	8.52934	8.26204	8.3069	8.26134	10.5062	8.59959	8.81403	8.2838	7.8738	7.51709	7.66901	7.52424	7.75334	8.19449	9.19001	8.15094
MGEA5	6.78556	7.01023	6.86056	6.8179	7.25914	6.94086	6.73081	6.94842	7.11329	6.98908	7.02957	6.17289	6.15904	6.71256	7.1968	6.74529
MGLL	10.2084	8.86638	8.90524	8.85032	7.36361	8.37861	7.22016	8.40648	8.44151	10.2195	8.65638	8.67767	7.96108	7.49041	7.91358	7.58033
MGME1	7.74589	8.94258	8.86457	8.09157	9.45747	9.49156	9.16537	9.71027	9.13862	8.55121	9.41176	9.13804	9.53577	9.40143	8.87708	8.93143
MGMT	6.11493	4.78506	3.25331	7.18281	4.5743	6.82125	2.67152	2.07548	4.40538	6.74657	4.65546	6.63345	5.76092	7.89062	4.93457	2.45954
MGP	4.42603	4.48157	5.56307	4.69861	4.90076	4.75563	4.39426	5.58467	4.37306	6.63705	5.65144	5.2358	4.30957	4.76067	4.98524	4.5892
MGRN1	4.81992	3.94952	4.42144	5.20417	5.3139	6.8728	4.86994	6.94031	6.79241	4.62434	6.38874	3.97679	4.72178	6.68235	4.6561	3.97214
MGST1	6.62824	4.48738	5.06568	5.24694	4.32243	4.95126	3.0483	3.54143	3.51628	6.43057	5.69946	2.98608	3.39499	3.36123	4.24629	6.02116
MGST2	11.2822	10.5619	10.8573	10.6607	10.4989	10.389	10.0193	10.552	10.2804	9.9517	9.77389	9.06668	10.4698	10.6733	10.389	10.4778
MGST3	6.05696	6.22225	5.87547	7.62972	6.28672	6.29418	5.81836	5.90772	5.932	6.01546	6.42054	6.30433	6.05447	6.66134	5.99707	6.80563
MIA	9.99282	8.89848	8.20812	8.92045	6.82022	7.40732	6.95677	5.81871	6.1047	10.2886	7.13758	7.62671	7.01773	6.41941	6.02588	6.95289
MIA2	4.82998	5.60583	2.91679	5.51387	2.50418	4.75754	5.21321	5.78799	5.01527	4.02075	5.47001	4.27983	5.64557	4.40268	4.59094	2.79166
MIA3	6.53612	5.58847	6.48848	6.01577	6.40898	6.22601	5.74152	6.5681	6.42054	7.25884	6.01152	5.01	4.99999	6.57234	6.65556	6.30893
MIAT	6.24827	6.61056	8.35614	7.06635	7.24339	7.23263	6.94242	7.58344	7.78616	6.48263	7.46327	7.38424	6.17842	6.58914	6.95754	6.54516
MIATNB	6.91249	6.71161	7.11639	7.04229	6.89231	5.88087	6.78662	7.74219	6.88675	5.5278	6.64314	6.54303	7.38598	6.11917	7.56307	6.52996
MIB1	7.43628	7.23122	7.85734	7.23561	8.04178	8.17338	7.77471	6.19359	7.37662	7.62114	6.71622	7.18699	7.58583	7.7028	8.52724	7.62329
MIB2	6.30331	6.31936	5.96804	6.16456	5.53149	5.56375	5.80361	5.67516	5.72269	6.29109	5.94351	6.46116	6.29208	6.62636	5.64719	5.74805
MICA	8.62467	8.30323	8.45696	8.31815	8.08183	8.19081	8.2853	8.24645	8.47572	8.69882	7.84964	8.47869	8.10956	7.99636	7.98956	6.0682
MICAL1	8.7151	8.80376	9.16853	8.59168	9.83596	9.08296	8.55517	9.03581	9.40525	7.88419	8.30721	9.31635	8.30721	7.44432	8.59875	8.1649
MICAL2	6.24968	6.6142	6.7674	6.53972	6.57865	6.5898	8.06823	7.56597	6.81379	6.21797	6.57921	6.68061	6.63953	7.26814	7.54137	6.55559
MICAL3	5.02308	5.14236	4.98058	5.10708	5.41161	5.41737	5.08232	4.90556	4.48961	4.49127	4.50367	4.76643	5.22028	5.30623	5.16933	4.81793
MICALC	3.26635	1.9808	1.92303	1.67907	1.42806	1.81697	3.20323	1.73724	1.1038	2.63576	2.30098	2.53152	1.53958	2.51368	2.43868	2.16972
MICALL	8.08028	8.29124	7.69585	7.6195	8.46911	8.5483	8.39244	8.51784	8.65357	8.41228	8.36706	8.02241	7.50291	8.69194	8.7993	7.35432

MICALL	5.19203	6.34674	5.14439	4.17234	5.76382	6.08983	7.22488	5.57483	5.41777	4.14832	4.89454	6.33317	6.45163	7.26733	7.13904	6.51161
MICB	7.72267	9.00167	9.62422	8.96044	8.86493	9.2421	8.8433	10.2318	9.37478	7.93087	10.0495	9.64485	9.47025	9.37769	9.13921	9.17029
MICU1	5.99359	5.90076	4.11758	4.05472	5.53088	6.11511	3.93793	6.68426	7.1301	6.2896	6.57151	4.47148	5.49578	4.87894	5.44505	4.51771
MICU2	9.35144	9.02566	9.53788	9.21594	10.0218	9.11939	9.57938	10.3792	9.9547	9.36777	10.1516	7.87596	8.53248	8.66033	9.88284	9.19844
MICU3	7.48951	6.29666	6.52875	6.91814	7.59371	7.4566	8.01515	6.51384	5.66879	7.11898	5.6827	5.93911	8.10686	7.50471	7.59004	7.7845
MID1	8.35965	7.97691	8.20967	8.11404	7.97022	8.08028	8.2586	7.36343	7.86922	8.49332	6.42365	8.06888	7.43511	7.62114	8.371	7.05622
MID1IP1	6.98422	6.93406	7.61809	7.42558	7.21296	7.39312	7.28046	8.10994	7.58583	7.83193	7.2954	7.04642	7.533	7.60398	7.14925	7.4066
MID2	7.31824	7.29993	7.08674	7.27143	7.62364	7.46283	7.55068	6.82079	7.30897	7.57994	6.5958	6.60878	6.92148	6.73855	6.92903	6.84536
MIDN	3.90071	3.40822	3.60223	3.37794	3.89312	3.50285	4.34289	2.68409	2.61134	3.63078	3.98277	4.24124	4.04356	4.56273	2.99797	3.43713
MIEF1	7.18732	8.06529	8.02241	7.66756	7.61683	8.22214	8.15007	7.86385	7.94829	7.71017	7.81359	8.13277	7.54819	7.86622	8.18097	7.71496
MIEF2	6.57122	6.1129	6.55414	4.00732	5.75909	5.87276	3.12496	6.4995	6.46855	6.32705	5.66548	6.5954	3.97703	4.62104	6.20858	4.23617
MIEN1	9.79359	9.75827	8.80376	9.55257	8.55623	9.98188	9.01815	8.40279	9.25598	9.37612	9.68239	10.149	10.0988	10.0953	8.74665	9.40525
MIER1	4.27479	4.45763	4.6923	4.53474	5.05229	4.67765	4.78683	5.04748	5.08498	4.43432	5.62925	4.17744	5.49219	5.3328	4.78149	4.70674
MIER2	5.61241	5.17386	4.96673	5.25974	5.19004	5.57283	5.40648	5.74444	5.81684	4.7795	5.80782	5.7268	5.18461	5.04437	5.92734	5.07033
MIER3	3.92314	4.26515	4.79228	5.09073	4.56572	4.68622	4.95828	4.88984	4.96626	5.46851	5.28856	3.59806	4.18318	4.57451	4.90933	5.12769
MIF	10.6392	10.5181	9.9611	10.7696	10.429	11.3587	9.98814	7.73431	9.93796	10.0817	11.008	11.422	11.7815	12.0385	10.6426	11.1434
MIF4GD	6.85524	7.59679	6.47005	7.69369	6.97093	6.81286	6.00298	6.05262	6.36638	6.59933	7.70836	7.89504	7.60433	7.69972	5.88749	6.62269
MIIP	6.88661	6.2118	7.17635	7.04564	6.95872	6.87351	6.40072	7.42114	6.86735	6.84836	7.40302	7.41663	6.76316	7.77398	7.41939	7.81046
MILR1	5.92064	6.07446	7.00783	5.8459	4.62281	5.29571	4.61163	6.42187	6.80638	4.93233	5.92694	4.04754	4.17756	5.4378	5.64923	6.07699
MINA	6.21403	6.31858	6.37053	5.8995	5.81627	5.55632	6.68585	7.33464	6.04314	6.63893	5.76823	5.52747	6.0987	6.67817	6.25222	6.06352
MINK1	5.02274	5.15758	5.15526	4.84137	5.23193	5.42899	5.44685	6.17476	5.88599	4.80436	5.07648	5.41316	5.19701	4.91813	5.01689	5.16778
MINOS1	8.9973	8.9537	8.74164	9.69292	7.72648	7.65275	8.49751	7.52561	7.14716	8.75835	8.41394	7.8012	7.60493	8.81664	9.71731	7.8922
MINOS1I	5.81304	6.01017	5.35834	5.69581	5.78152	5.85341	6.20735	5.49051	5.49837	5.69188	5.69572	5.91306	5.8673	4.52704	4.70419	5.30548
MINPP1	7.60647	7.44413	8.05054	7.44243	8.89725	8.14844	7.27464	7.23174	7.3965	7.39325	7.69867	7.77398	7.70063	8.17445	8.26218	9.48403
MIOS	6.44984	6.6076	5.87662	7.25163	7.58677	7.48191	7.31755	6.6623	6.28468	6.86547	6.33989	6.1544	6.69674	6.35743	7.64368	7.37266
MIOX	1.60375	1.54402	2.68367	1.50761	2.61273	1.78116	3.08298	3.3596	2.61941	1.74155	3.29289	2.94469	2.34547	4.25308	2.11842	3.60117
MIP	6.42644	6.06395	6.23449	6.0945	6.08891	6.50763	6.10048	6.68966	6.42469	5.84725	4.85938	5.33379	6.50013	6.15504	6.1524	5.78564
MIPEP	8.27879	7.03353	6.14455	7.8597	7.64701	6.37561	6.28053	4.81256	6.55342	6.74484	7.12487	6.70913	5.61494	7.6183	7.21428	7.58264
MIPEPP3	5.99223	6.04874	5.49916	4.18147	4.94752	6.16438	6.02828	5.85803	5.50884	4.65818	4.68646	6.08061	5.15911	5.3987	5.29878	4.93158
MIPOL1	4.50053	2.97075	3.46026	4.04505	5.03092	3.7913	4.32602	3.11977	2.98506	3.92927	3.67852	2.02868	4.76297	4.59455	4.1352	3.85675
MIR100H	3.44273	5.98264	6.18038	6.11008	5.63906	5.88667	2.83966	6.01092	6.85143	7.02436	6.45984	4.44009	4.77152	5.02586	5.22658	5.18553
MIR10A	6.25948	5.52577	5.62027	5.84845	5.50938	5.72006	5.56307	6.1892	5.66879	5.77793	5.90151	5.00222	5.74785	5.61264	4.32654	6.38087
MIR124-2	4.89352	4.75008	4.31641	2.89142	4.23539	4.19001	4.45523	5.0187	4.36479	4.22596	3.16183	4.57451	4.06438	4.03198	4.65539	3.76529
MIR1244	9.45311	9.77798	9.53523	9.50744	10.2257	8.88559	8.91327	8.4703	9.04127	8.29662	9.88096	9.65335	9.56807	9.96791	10.2459	10.1813
MIR133A	5.2775	3.62805	2.8391	4.5915	2.76484	4.58019	4.97647	3.21508	5.21228	3.50939	4.19082	4.37137	4.28649	4.42968	2.95994	4.89742

MIR142	7.47068	8.87558	8.35838	8.64262	6.93089	9.04187	6.80181	7.93633	8.04178	5.52936	9.19844	9.12067	7.01906	5.80282	6.63361	6.92074
MIR143H	4.55446	4.4487	5.30873	3.44713	3.73419	5.06452	4.45735	3.75975	4.43729	8.2507	4.03375	4.59974	3.64739	3.68243	4.31963	2.86054
MIR146A	5.29504	5.14382	6.18719	5.74926	5.0626	3.71116	3.47278	5.58831	3.06765	5.56093	3.74792	3.76552	3.85528	3.78375	3.51602	5.2085
MIR17HC	0.248	-0.2855	3.85578	2.03633	3.27783	1.81697	3.42552	2.8638	2.35886	4.20362	4.3863	1.97567	2.10686	1.97057	0.56521	2.04035
MIR194-2	5.35208	3.99526	4.85088	4.67215	5.21531	5.52281	4.75104	5.48925	5.35896	5.4309	5.80674	4.65395	5.06359	5.40272	4.8832	5.60742
MIR205	6.38183	5.69214	6.52996	5.75909	6.74406	6.33645	7.27464	5.54537	4.84059	6.2881	6.09397	6.66367	6.7118	7.17565	6.80673	6.7472
MIR205H	6.59933	7.17292	7.22098	7.36564	7.56707	6.99765	7.32949	7.53552	7.25499	6.82394	6.90744	7.47527	7.59528	7.94201	7.83193	7.83502
MIR210H	5.79475	5.68944	5.5705	5.39886	6.24558	4.32624	5.89999	4.3118	4.78407	4.66353	4.84861	4.59949	7.08952	5.5016	5.78593	4.34913
MIR302B	5.53171	5.67407	6.0945	5.97882	6.11965	5.92834	5.97229	5.82855	5.90229	6.14608	5.66728	4.71106	5.11909	5.96474	5.90834	5.93916
MIR31HC	6.25948	6.47704	5.77027	5.98578	5.98886	6.13597	6.2013	6.20784	6.27451	6.17178	6.00149	5.76009	6.49506	6.10779	6.09264	6.7533
MIR34A	7.63881	7.45122	8.2838	7.16663	7.99984	8.59782	8.38448	8.40382	7.98518	8.24403	7.97484	7.54252	8.01756	8.1398	7.98107	8.24425
MIR3663	3.62466	3.09358	3.02585	3.8167	2.89774	3.22527	3.27441	3.17146	3.13363	2.2766	4.91374	2.81338	2.8623	3.21424	2.81201	5.37077
MIR3682	7.61764	7.03075	7.34178	7.4773	7.86742	7.50009	8.90341	7.72467	7.61148	7.75853	7.22234	6.47354	7.77242	7.70859	7.77279	8.00791
MIR3916	5.38994	5.44046	3.40102	5.62746	5.3794	3.22527	5.61119	1.67907	2.22165	4.62434	5.21894	5.74526	5.27234	5.49251	5.6018	5.33438
MIR4296	2.72538	4.44401	4.48486	4.71865	3.89996	4.19473	4.39009	4.13045	3.31034	4.97382	3.25613	3.72108	3.58948	5.37493	2.04035	3.0606
MIR4313	5.06786	4.76965	3.55864	5.43449	4.15744	3.601	3.61825	5.01102	3.49474	3.50939	4.9692	4.79894	4.76177	3.78375	2.69546	5.12161
MIR4435	3.52524	4.39409	3.87671	3.83907	5.7079	3.30682	4.56843	5.34019	5.51676	3.58913	6.19879	4.08018	3.67703	5.63022	5.10597	4.10052
MIR4500	2.30837	1.84587	2.46272	2.06899	2.2597	2.45459	2.27576	2.04007	3.42477	3.00855	3.09709	3.03309	3.40212	2.34474	2.41671	3.52431
MIR4755	6.0179	5.66976	6.45541	6.25931	6.27134	6.47821	6.29363	6.50736	6.76316	6.59438	6.5943	7.41252	4.8922	6.04515	5.38203	6.18726
MIR5188	5.17376	5.43309	4.94613	5.36992	5.47252	5.19496	5.12739	5.23337	5.01527	5.67091	5.16519	4.39323	5.02177	4.86667	4.59688	4.99562
MIR622	2.93125	2.97605	2.95766	3.08274	3.57987	3.91828	3.8062	3.10948	2.50218	3.90306	4.22933	2.99228	3.03764	4.60832	2.94685	2.99971
MIR646H	4.23422	3.35252	3.6244	2.97356	2.76484	2.93381	3.76501	4.67765	3.33041	2.57765	4.05647	3.77334	2.46016	2.54935	2.84494	2.7492
MIR663A	0.73695	2.41683	1.59211	2.28551	1.42806	4.95972	-0.238	2.98628	0.12919	2.72148	0.81405	1.44837	3.96898	1.21564	1.6611	2.63794
MIR670H	5.2904	5.89886	5.0199	6.06534	5.21228	4.7822	5.23969	5.6453	5.64914	5.12105	5.25748	5.92734	5.8673	5.28671	6.60444	5.13703
MIR7-3H	2.71299	3.43558	3.84445	3.60094	3.50476	4.25176	4.22285	2.94481	3.82382	4.1603	3.99029	3.91572	4.33482	2.11028	3.48036	3.24808
MIRLET7	5.42243	4.02672	5.54525	3.99755	4.06073	5.11016	4.15069	4.07245	3.90229	6.47812	3.89949	3.94634	4.0405	4.25308	5.07609	3.48415
MIRLET7	6.38327	7.64131	7.61809	7.70723	7.29628	7.8222	8.06352	7.1297	7.86047	7.74589	8.31557	6.2843	8.05719	6.47903	7.39219	7.74178
MIRLET7	4.6416	3.84364	5.63658	4.39175	3.39606	3.5373	3.25433	4.00856	3.78033	3.78199	3.85459	4.51613	3.61424	2.01506	3.64338	2.59102
MIS12	9.08361	8.87472	9.63071	9.03764	9.96791	9.47711	8.77677	9.42873	9.20192	9.28645	9.23884	8.38151	9.25806	9.58085	9.80078	9.43496
MIS18A	6.52676	6.70112	6.01259	6.27623	6.80155	7.14059	7.10725	6.93064	6.77825	6.8113	7.05285	6.9035	7.35953	6.7168	7.00465	7.08255
MIS18BP	4.20465	4.60222	3.7606	3.84331	4.9443	3.99596	4.88962	3.69815	4.46262	4.35946	4.1934	4.49714	5.14507	4.32396	4.38394	5.15717
MISP	9.02753	8.01099	7.56758	7.67333	6.95202	7.42749	7.67213	5.29702	7.59417	5.29843	7.11908	7.77899	6.56865	8.01542	7.05409	7.48663
MITD1	7.00117	7.1565	8.12416	8.55828	8.06678	8.13649	7.02599	7.38866	6.98687	7.23779	8.43314	7.79332	7.90059	7.93138	8.06455	8.363
MITF	6.79006	6.60922	6.95215	6.53939	6.78789	6.23199	5.97806	7.15452	7.12396	7.27143	6.48549	6.26392	6.82812	6.8806	6.61943	6.62295
MIXL1	4.20074	3.64857	5.8105	2.90159	3.61465	5.33083	5.73534	5.22018	5.69851	6.0372	6.2576	6.51968	4.70357	4.92151	5.93911	5.65292

MKI67	5.17184	6.14705	5.89483	4.13181	6.67266	6.46662	7.12112	7.18699	7.37885	4.57516	7.61809	6.67304	6.64395	6.84737	6.87509	7.03798
MKKS	8.50717	8.59782	8.46973	8.41793	8.8433	9.23508	9.00106	8.85137	9.28374	8.86796	8.54987	8.63859	9.22173	9.10897	9.05406	8.62967
MKL1	5.92025	6.27896	5.95367	5.80882	6.16601	6.56249	6.41511	5.92663	6.21081	6.03567	6.34639	5.49777	6.00971	6.26231	6.05682	6.35633
MKL2	6.43909	6.26672	5.31858	5.67529	5.66058	5.438	5.01314	5.94158	5.00797	6.48757	5.78459	5.70357	4.92917	5.20337	6.04147	5.79724
MKLN1	5.18617	5.16727	4.94835	5.22874	5.99223	5.48559	5.88006	5.14162	5.74889	5.11031	6.01609	4.39519	4.76796	5.73937	6.17931	5.87195
MKNK1	6.36872	5.65821	7.62214	6.55916	6.03408	7.38166	6.39439	6.94188	6.33239	6.77805	6.79793	5.77681	6.02339	5.91883	6.51571	6.06505
MKNK1-	6.58884	4.27565	6.88467	6.66787	5.46159	4.34547	6.38687	5.25151	6.4129	4.47533	5.21642	6.16082	6.21022	5.04161	6.3105	4.43077
MKNK2	8.57691	8.75665	8.27303	8.61815	9.19651	8.89983	8.85032	8.39908	8.16905	9.05078	8.25798	9.18833	8.90713	8.91549	9.04808	8.62685
MKRN1	9.65256	9.66243	9.83019	9.58269	10.0079	9.93225	9.61505	9.32342	9.89394	9.45199	9.19751	9.01248	9.26222	9.4722	9.94429	10.0897
MKRN2	6.09555	6.41723	6.32017	6.41151	6.77145	6.65226	6.05999	6.72304	5.90663	6.3843	7.09448	6.77732	6.97684	6.65491	6.22601	6.64301
MKRN3	5.46994	4.97234	5.8705	5.79795	5.31676	5.71355	5.40905	4.61194	4.83468	5.47996	3.93813	5.46517	5.67735	5.44628	5.06097	5.5629
MKRN7P	4.47585	4.17704	4.28111	3.55701	4.41516	4.33729	4.24394	4.26669	4.43347	4.27479	4.37803	3.93749	4.67307	4.59647	4.54565	4.63489
MKS1	7.03205	6.46097	6.53972	6.4479	6.31444	6.381	6.96042	6.18701	6.33679	6.95994	6.59252	6.98295	7.14421	6.35947	6.84461	6.62078
MKX	4.10658	4.08601	3.66032	3.83303	3.80117	2.2964	3.53424	3.74024	2.81949	3.06255	3.14371	2.45293	3.62297	3.17712	2.9809	3.36074
MLANA	3.63369	3.17782	1.96491	2.64854	3.23349	2.2056	3.77469	2.67421	2.61156	4.64863	3.7087	3.10948	4.74756	3.67359	2.44811	3.98737
MLC1	5.62378	5.99244	6.23653	4.54858	5.24432	5.72931	5.1218	6.26758	3.17124	5.77406	5.97954	5.76009	5.24948	5.7076	5.61273	5.22223
MLEC	8.10055	8.00492	8.75045	8.55331	7.893	8.08867	7.69867	8.29543	8.55121	8.73434	8.08932	9.16131	8.17292	8.41394	8.20591	7.56186
MLF1	9.05769	8.54398	7.54686	8.9973	7.90829	7.88149	8.47782	7.9954	7.97768	7.3755	6.751	7.51279	6.10828	8.42443	8.01932	8.02205
MLF2	7.64214	8.19149	7.66756	7.62827	8.8522	8.63946	7.93338	7.72665	8.72194	8.79047	8.05368	7.8738	7.90829	8.98978	8.8583	7.72074
MLH1	8.57809	8.68785	8.6349	8.89342	8.46507	8.46562	8.12724	9.03229	8.89725	9.04721	8.62416	7.95785	8.26535	8.3496	8.57592	8.68694
MLH3	6.2306	5.99921	6.07493	6.06615	7.22399	6.60899	6.6623	6.93183	6.14843	6.53612	6.69406	6.37898	6.95816	6.70274	6.66184	7.19009
MLIP	5.878	6.10602	5.80793	5.68112	5.40872	5.50567	6.10873	5.91431	5.58889	6.38025	5.51991	5.56476	5.69186	5.55932	6.15413	5.56494
MLK7-AS	3.4567	4.46777	5.96686	5.8258	5.38965	4.63077	4.17685	4.23662	3.75611	3.78199	5.55298	4.76177	5.56699	3.42962	4.87885	2.73131
MLKL	6.59443	7.64131	8.34076	7.4963	7.68272	7.32463	7.76686	8.87752	8.46151	7.90683	8.55623	7.9442	8.03911	7.2562	7.5707	8.07429
MLLT1	5.12085	5.87152	5.73429	5.48401	5.85483	5.4942	5.21236	5.9025	5.50474	5.76729	5.70157	5.63182	5.37887	5.83	5.70357	5.62634
MLLT10	4.63277	4.60738	4.83168	5.25642	5.06097	4.94991	4.54077	4.00266	4.80292	4.56723	5.04437	4.90672	4.93532	4.61798	4.42002	4.83933
MLLT11	7.55025	7.71882	7.94023	8.1215	8.47529	8.49938	9.0354	9.03434	7.99208	8.89663	8.24872	7.94829	9.20378	8.48593	8.76117	8.21836
MLLT3	6.19068	5.5628	6.75295	5.6503	6.86908	5.69861	4.36824	5.56916	5.59184	5.98732	4.94486	6.04656	5.7276	4.28615	5.69164	6.87868
MLLT4	4.92829	4.68891	5.00506	5.10247	4.65137	5.14147	5.38528	3.95546	5.11528	5.21072	4.83886	3.77058	4.40116	5.01414	4.55504	4.86331
MLLT4-A	6.40233	4.2689	3.36406	5.02826	4.79743	3.76182	5.79486	3.94809	5.03513	5.58847	3.80377	5.51444	4.78966	4.92151	5.50296	2.86424
MLLT6	6.30391	6.44014	7.1334	6.5801	6.30501	6.31896	6.03045	6.86411	7.11055	6.49817	6.19406	6.67817	6.23393	6.2531	6.43909	6.28605
MLN	4.6618	5.32348	5.15888	2.95827	4.67141	4.55142	3.23578	4.58601	2.64558	3.97041	4.61069	3.65608	3.88172	5.26311	3.72694	3.13394
MLNR	2.34348	1.9808	2.68367	2.0998	2.21727	3.15165	2.78886	2.46648	3.13363	2.23712	3.50469	3.94634	2.07729	2.79431	2.67357	2.28681
MLPH	10.3399	9.24862	9.4722	9.01679	7.11065	7.08593	7.90855	7.68272	7.91486	10.6769	7.80077	7.56096	7.28011	7.36252	6.80876	6.94411
MLST8	6.30132	6.69482	5.43429	5.92025	6.8858	6.30311	4.91661	5.5188	6.66184	7.37635	7.5306	8.15833	7.74219	7.51232	6.22039	7.0308

MLX	7.36045	7.59235	7.06179	7.47423	7.47372	7.22538	7.81141	8.23984	7.45059	7.32054	7.73179	7.90099	7.88943	7.40457	7.8327	7.60227
MLXIP	5.69071	5.63647	5.7594	5.1853	5.22091	5.22148	5.00175	4.93889	5.34036	5.96423	5.82532	5.17515	4.98727	5.57283	4.9771	5.27276
MLXIPL	5.06203	5.17869	2.42383	4.58588	5.01197	4.06264	5.6487	3.10948	3.25201	2.38782	4.20991	4.18954	5.54936	4.06652	4.45949	4.87251
MLYCD	6.35611	6.67853	7.13591	7.00878	6.25446	6.2054	7.43963	7.06124	6.49605	7.04051	6.61362	7.19309	6.73246	7.09292	6.98662	6.93357
MMAA	5.59906	5.22091	5.324	5.7957	6.71047	6.11635	6.2736	5.72307	6.12371	5.50408	5.90235	5.32208	5.88036	5.93927	5.93839	5.83196
MMAB	6.66684	5.85146	4.8882	5.50633	6.08511	5.06097	6.01229	5.2998	4.85358	5.86166	5.44648	5.98436	5.53553	6.87481	5.39911	5.63291
MMACH	6.43366	6.36554	6.51419	6.65009	6.98107	7.27825	6.8991	6.94256	6.53956	6.84429	6.03972	7.40895	6.90589	6.87431	6.81608	6.15584
MMADH	10.5154	10.7548	10.8255	10.552	11.3656	10.7134	10.7017	10.8431	10.8206	10.8107	10.7308	9.77645	10.8485	10.9118	11.0235	10.9118
MMD	7.06066	5.68541	6.78332	5.62225	6.30924	7.91786	7.43906	6.63216	6.31417	4.99867	6.0422	6.68871	7.45362	7.70306	6.91987	6.83608
MMD2	5.41113	5.47646	5.55145	4.90556	5.78989	5.55954	5.44744	6.57275	5.26074	6.18406	5.59457	5.97983	5.25872	5.53516	5.88995	4.7984
MME	4.89098	3.53349	4.55822	4.35735	4.70639	3.42132	3.13529	4.81378	2.69304	3.54548	7.27163	2.82104	2.93642	2.731	5.70337	4.52648
MMEL1	7.63682	8.15692	7.77489	8.11563	7.13062	6.8411	7.25041	7.91486	7.24395	7.48498	7.46379	7.67312	7.61901	7.4811	7.41516	7.69565
MMGT1	8.87558	9.02044	8.98463	8.67767	9.65062	9.34263	8.83956	8.57641	9.99925	9.86045	9.17096	8.69882	9.17096	8.05303	9.00061	8.57946
MMP1	5.67305	7.09448	10.0756	5.89151	9.60515	4.12592	8.19509	11.0035	4.57006	1.35594	12.0258	8.74814	10.5225	9.99282	11.7733	11.4345
MMP10	8.70344	8.0633	9.25316	7.4919	8.76316	8.78506	8.55121	8.13249	7.1578	5.86436	7.67213	9.29827	8.14684	7.89596	7.7108	7.26162
MMP11	3.63078	3.87338	4.36934	4.03976	4.73428	4.78407	4.71918	4.44939	4.3801	4.09367	4.33482	5.04103	5.03667	4.95066	5.22492	5.29681
MMP12	5.85355	9.51229	9.96657	8.00143	9.4095	7.21675	9.87831	11.5206	12.0835	5.5803	5.92292	7.83389	12.4159	10.6392	11.088	10.1334
MMP13	4.35066	2.79266	2.25072	3.13915	7.29816	4.07245	4.25853	4.69169	2.31622	3.21812	2.18694	3.19844	4.50434	2.97219	7.41841	3.37025
MMP14	4.90058	5.04171	5.11244	4.62017	5.19994	4.37083	5.4303	5.11713	4.91432	4.69083	5.1134	4.80979	5.29458	5.34613	5.49741	4.80946
MMP15	4.83468	3.54143	4.30792	4.01138	4.07136	3.98737	4.42204	4.74631	4.15034	4.91834	5.57862	5.33097	3.706	4.75315	3.95025	3.83303
MMP16	5.66879	5.83271	5.7268	5.38125	5.57834	5.50113	5.09073	6.01673	5.40039	5.91721	5.40944	5.5537	5.56043	5.50973	5.81223	5.49147
MMP17	5.01394	4.35031	3.64098	5.77035	4.61811	4.0466	2.70047	4.74882	5.14293	5.6242	4.24406	5.43241	5.77286	3.31071	5.07857	2.96003
MMP19	4.1332	5.24052	4.33068	5.36162	6.02224	4.26924	7.74752	7.22255	6.08351	4.97	5.8995	5.31895	4.83857	6.18578	6.50696	6.08682
MMP2	5.08574	6.09622	6.01587	5.59184	5.52984	5.18306	4.77053	6.21912	5.8916	5.54484	6.20071	5.18587	5.68888	6.50683	6.0044	4.78274
MMP20	1.0625	0.32707	0.61335	-0.2642	0.20638	0.89896	1.32308	1.83717	0.89896	1.92074	2.43603	1.01454	0.6691	0.35046	0.88665	-0.3633
MMP21	2.40819	2.44316	1.76827	4.1299	2.21727	3.42836	5.1034	4.27613	0.12919	3.70919	4.19874	2.36593	4.369	3.71992	4.64949	4.79956
MMP24	3.19002	2.60771	4.05789	3.47527	3.04513	2.6153	4.42735	3.41869	3.85966	4.22389	4.40345	3.67703	4.18179	3.91963	4.1135	3.82451
MMP24-A	7.88984	8.01856	6.85261	7.75974	7.27645	7.56995	7.28713	7.71648	7.5095	7.91547	7.58194	7.76459	7.68174	7.28911	7.11689	7.42208
MMP25	6.00457	6.42868	6.13977	6.43637	6.07687	6.20362	5.01451	6.40207	6.7287	5.40872	6.24025	6.47731	6.64591	5.84049	6.12451	5.70807
MMP26	5.14458	4.84572	3.58903	5.14188	5.00222	5.19496	5.47555	6.28749	5.7325	5.29139	5.95247	5.5611	5.80193	3.0362	5.70246	5.94638
MMP27	5.84574	5.98264	6.39914	5.78328	5.28718	5.59054	6.37833	5.73085	5.57542	5.56093	5.44563	5.09784	6.02198	5.879	6.08488	5.42665
MMP28	3.47791	4.43096	5.03697	4.47382	5.27357	4.34781	7.94301	7.68484	4.01206	3.01908	5.09969	5.13733	3.83749	7.66756	5.04828	4.18485
MMP3	4.29421	5.50738	8.08053	3.1994	8.84421	2.69944	7.28797	8.24115	2.50218	2.38782	11.1496	7.79648	7.81359	8.02694	8.30517	10.6932
MMP7	7.95203	8.7291	9.81024	8.62855	7.79416	7.07482	10.1423	7.71733	7.48137	10.6889	6.29119	7.00107	8.31666	6.18234	8.01435	6.37794
MMP8	4.29733	4.6307	3.97356	4.23119	4.78908	4.37703	5.1517	5.68275	4.25526	5.18587	3.77354	3.05064	5.45949	4.51282	4.3131	4.97832

MMP9	8.01606	11.1658	11.0783	9.84118	9.56083	10.6607	9.10606	11.1093	11.7815	7.43943	8.53635	11.3355	10.5021	10.0791	11.1658	8.47614
MMRN1	6.22022	4.73279	7.58523	6.14034	5.64806	6.26604	5.95685	5.95144	5.36454	5.46729	7.03808	5.06679	5.28282	5.52251	5.86526	5.37386
MMRN2	4.25938	4.9847	6.02979	5.20872	4.88575	5.979	5.5459	6.42602	4.21672	5.76786	5.48864	5.29437	4.99814	5.14958	4.85938	4.7616
MMS19	8.08992	7.64286	7.90768	8.16124	7.51694	8.34789	7.64835	9.05286	8.14392	8.193	8.0064	8.37525	7.77899	8.43012	8.19961	7.66647
MN1	3.25147	2.41683	2.82464	2.06899	2.83544	2.93381	3.50564	2.2672	3.02333	3.172	2.48014	2.84585	2.66449	2.72254	2.84494	2.71584
MNAT1	6.63529	6.19642	4.97788	5.97882	6.92033	5.29571	3.65785	6.70518	5.72358	5.29139	6.19114	5.80692	5.5537	6.06808	5.33111	6.36113
MND1	5.67016	7.00339	6.84563	6.55586	7.20184	6.92733	5.9813	7.51898	7.25884	6.14874	7.165	6.52754	7.92449	7.22877	6.95294	6.80609
MNDA	6.42136	7.798	8.23743	8.2345	7.69724	8.01323	7.1559	8.342	8.19817	7.55949	9.1668	7.66772	8.79526	7.4416	8.16792	7.74661
MNS1	9.14361	7.85305	5.65207	8.86675	7.419	6.56497	7.07057	8.04509	7.15085	6.30722	5.60943	6.5702	7.56648	7.55088	6.89555	6.2462
MNT	6.22635	6.85738	7.00096	6.46984	7.66483	6.59641	6.34706	6.62425	6.79839	7.45266	6.98418	6.89922	6.52278	6.81244	7.07841	7.54861
MNX1	3.59987	3.9717	2.3147	4.09184	5.2507	5.23948	4.79031	4.65546	5.05288	3.72029	5.18054	6.24803	5.87302	4.70657	4.51765	5.3496
MNX1-A	2.04089	1.16965	2.79272	1.85049	2.76484	2.18538	1.95222	2.37778	2.25875	2.31329	2.79035	2.04143	3.10377	3.16811	2.45708	3.65514
MOAP1	8.75966	9.11184	9.19948	9.30638	8.85546	9.46931	8.14298	8.92094	9.73939	9.76219	8.74665	9.06178	9.0354	7.5405	8.5194	8.33937
MOB1A	7.85105	8.2773	8.39449	8.45546	8.39725	8.19961	8.23129	8.58309	8.46536	6.8096	8.5194	7.97147	8.63198	8.17633	8.27303	8.434
MOB1B	7.83372	7.85482	7.98981	7.8378	8.58931	7.67271	7.5397	7.68887	7.76045	7.95464	7.92262	7.19766	7.27587	7.43267	8.58199	7.82061
MOB2	6.93141	7.5412	7.75696	7.46114	7.45626	7.22267	7.60416	7.31977	7.80351	7.85403	7.15377	8.11278	7.8321	7.89329	7.29975	7.17859
MOB3A	6.07349	6.0061	5.70455	5.33428	5.92983	5.30315	5.80193	5.35585	6.8247	4.98009	5.1367	6.50774	5.31887	6.59293	6.39658	5.36401
MOB3B	6.76123	7.1855	7.22216	7.78616	7.77441	7.42706	8.1649	7.85153	7.41022	6.95695	6.56339	7.57352	7.39156	8.2033	7.96108	7.91573
MOB3C	5.21961	5.72828	4.95075	5.10172	5.76449	5.84343	5.67243	5.66433	5.60986	5.86541	6.36968	5.72307	5.50547	5.67516	5.60498	5.35628
MOB4	8.363	8.27908	8.05587	7.84702	8.11678	7.81607	8.55202	7.38734	8.01148	8.36147	7.40819	8.03457	8.63859	8.10472	8.16838	8.21397
MOBP	4.09067	4.68565	5.0413	4.51723	4.22871	4.38394	4.74602	4.39799	4.15245	5.10007	5.35722	4.48662	4.81772	4.37334	4.06388	4.61634
MOCOS	5.8727	5.74329	4.41747	3.69689	6.3469	4.4005	7.23672	4.85113	4.71641	4.71358	5.81323	6.06726	6.6267	7.01847	6.57303	6.0987
MOCS1	6.35777	6.14674	6.05835	6.40488	5.63311	6.40207	5.64126	5.62092	6.35133	6.48506	5.89251	5.23646	5.7566	5.68579	6.13654	6.22463
MOCS2	6.63953	6.41911	6.36517	6.97441	6.38344	6.46194	6.64395	6.96907	6.6374	7.31308	6.56645	6.09189	6.56543	6.24346	6.60014	5.89038
MOCS3	2.13523	3.38769	4.8528	4.47048	2.76484	3.27349	6.11518	3.32868	5.8258	3.20323	3.64053	5.23346	4.19674	3.0362	3.66756	4.35197
MOG	4.04879	3.22605	4.39023	4.0601	3.96867	4.78612	4.83683	4.73865	3.33875	4.33436	3.85595	3.68942	3.98424	3.22421	4.18777	4.56438
MOGAT1	3.16429	3.41586	3.34445	4.19106	4.26628	3.27349	4.34027	4.1399	4.39183	4.44111	3.5826	4.41586	4.44582	4.21305	3.84644	4.22871
MOGAT2	4.37938	4.78257	3.71882	5.9748	4.25882	4.5817	5.13458	5.68112	4.8636	4.61929	3.58832	4.50994	3.04535	6.58884	3.86074	3.88447
MOGAT3	4.49101	2.89801	4.37989	4.67088	4.76067	5.11891	5.3089	5.05573	4.06039	4.5431	4.45712	4.69839	3.72312	5.25618	4.25827	4.95783
MOGS	6.8179	6.48524	7.48101	6.49492	6.21435	7.75348	7.5565	5.78799	6.79322	6.69812	7.2488	7.53761	6.34875	6.89158	6.20252	6.70923
MOK	9.23642	8.05859	6.63615	8.28751	7.33768	6.3977	6.83665	7.2442	6.87848	7.21707	6.7429	7.56462	7.50708	6.81635	7.04707	6.84027
MON1A	5.79227	7.472	6.3643	5.06786	5.54452	5.83559	6.01651	6.69348	6.26239	6.87216	6.77193	6.91333	5.13109	5.35478	6.05588	6.8336
MON1B	6.60087	6.49013	6.90904	6.46624	7.00117	5.97716	6.36458	7.18221	6.7568	7.2181	7.11008	7.02599	6.33619	7.05787	6.63258	6.40266
MON2	5.90179	5.49854	6.91814	5.95223	6.20677	5.98237	5.89886	6.68773	6.3264	6.30433	5.78051	5.10752	5.64066	4.90758	5.59554	6.39329
MOP-1	1.26457	4.07403	1.64561	4.75355	1.11444	3.40348	2.0296	2.8638	5.08232	2.95492	4.43705	5.28266	4.63261	5.05216	1.81049	2.04035

MORC1	2.13523	2.84393	1.13258	2.43076	2.81309	1.53719	2.61298	1.31605	1.26079	2.95492	1.32308	1.19537	3.05227	2.48051	2.23945	1.54854
MORC2	6.28211	5.8673	6.83535	6.47297	7.06319	6.79281	6.42136	5.90297	6.33933	6.6623	6.80131	7.43404	6.97123	7.432	6.61839	6.68791
MORC2-/	4.0196	4.72297	4.96769	5.5717	4.99704	5.72931	4.45365	4.90215	4.63412	3.87941	5.3152	6.12493	4.93183	4.58936	5.64227	5.4554
MORC3	8.99071	8.73001	9.41655	8.86149	9.13069	9.18613	9.26491	8.78798	8.57084	8.32674	8.99622	8.1547	8.58624	9.03868	9.51355	9.09179
MORC4	6.49359	5.51616	5.86084	6.75383	6.62237	7.39935	7.19234	6.28749	7.03332	6.53433	5.81672	6.72429	7.6386	6.95847	6.49826	7.57764
MORF4L	10.0697	9.99098	10.3741	10.2011	10.0415	9.96657	10.1542	9.89582	10.3113	10.1088	9.87044	9.63286	9.9611	9.59094	10.0139	9.86381
MORF4L	6.44728	6.2358	7.18639	7.13034	6.79359	6.86529	7.29519	7.33669	7.07329	6.87934	6.6076	6.32509	7.05741	6.38192	6.6373	6.72362
MORF4L	5.48864	5.91563	5.90396	5.09839	5.7348	6.07744	6.59103	4.17917	4.34161	6.06651	5.52649	5.25218	6.03469	5.08426	5.55944	5.4497
MORN1	5.7874	5.87779	5.80193	6.0156	5.78904	5.53294	5.92	6.54082	6.14957	5.55517	5.99734	6.30117	6.09939	5.92025	6.06884	5.91698
MORN2	8.83744	8.13794	6.02901	9.58085	7.30859	6.89966	5.53155	5.96298	6.55232	7.0261	6.5805	6.76316	7.04911	6.14859	5.93911	5.83818
MORN3	8.20591	6.56207	5.54219	7.76086	4.09689	6.31408	5.49899	6.62771	6.39759	6.63813	5.26563	6.17169	7.70512	6.36312	6.30868	5.94638
MORN4	6.87765	7.18347	6.09071	7.47778	5.59651	7.17804	6.84862	5.12987	6.95847	5.95001	6.23706	5.97591	7.24097	6.60329	6.9116	6.3799
MORN5	10.552	8.154	6.85641	9.85932	6.42338	6.36148	6.2519	6.41892	6.57373	6.46864	5.68695	6.64708	6.40117	6.17946	6.30541	6.34648
MOS	2.98506	5.0097	4.43096	4.47874	3.79424	3.77609	5.32956	4.89413	2.86093	4.96132	4.45332	2.81338	5.40842	5.30815	4.55074	5.14578
MOSPD1	7.13124	6.36872	6.54142	5.56872	5.9392	5.9192	5.90223	6.28381	6.69517	6.31325	5.63698	6.65633	7.83054	5.66921	6.46475	5.53579
MOSPD2	7.61809	7.71463	7.99407	7.57865	6.34271	7.67787	7.66951	7.59211	8.02346	7.08864	7.59296	7.65794	7.70564	7.38264	8.41394	7.27843
MOSPD3	8.26134	8.33155	7.65153	8.1282	7.71899	7.96074	8.0731	8.04652	8.39691	8.0815	7.70859	8.13873	7.85248	7.86279	8.12322	8.02161
MOV10	6.52173	6.79241	6.03728	5.82241	5.93291	6.29439	7.24701	6.90931	5.72892	4.74224	6.27821	5.60583	7.05497	5.77151	6.81012	6.95429
MOV10L	4.74829	4.72757	4.15843	5.12779	4.94719	4.70968	5.38032	4.3624	4.31702	5.56679	4.44124	4.55579	4.77406	4.1932	4.69157	5.81974
MOXD1	6.16481	6.37458	6.3998	6.94552	7.13187	6.09202	7.54351	7.27538	7.12352	6.88898	6.10931	6.12177	7.33012	7.55918	7.27478	6.16356
MPC1	6.98142	5.96837	6.97684	6.59605	6.69284	6.31343	5.73685	7.31625	6.84248	5.32626	6.44674	5.9171	7.31596	6.31064	5.09969	6.01546
MPC2	8.12106	8.2438	8.06888	8.53692	8.62416	7.86001	8.20748	7.59371	7.92769	8.31815	7.65726	8.53799	8.56298	8.26769	8.07048	8.0296
MPDU1	6.26547	6.78753	6.46753	6.97788	5.15717	5.44206	4.87205	4.97169	4.77053	6.65043	7.02669	6.67366	6.40841	7.12084	4.98558	6.96272
MPDZ	6.58617	7.07077	6.08001	6.89922	5.51444	7.1559	6.56571	6.99012	5.34179	7.00137	6.43979	6.42277	5.14061	6.31936	6.65093	5.93413
MPEG1	7.36722	8.89592	9.5326	9.50452	8.61181	9.90431	6.55633	9.51684	9.3856	7.66602	9.06963	8.02825	8.22729	7.5023	8.47157	7.84024
MPG	6.54142	6.37855	5.73695	6.21304	5.92913	6.40779	4.57297	5.45844	5.69851	6.03991	6.67287	6.60321	5.77286	5.72434	4.68519	5.28694
MPHOSP	7.71341	7.81359	7.96537	8.06385	8.1282	7.80711	9.50597	8.64636	8.16934	7.78045	7.84068	7.39105	7.95464	7.98956	8.26506	8.47529
MPHOSP	7.06102	7.78656	6.43909	7.30705	6.75295	7.14512	7.19551	7.7985	7.08815	7.3965	7.65921	6.69167	7.6407	7.59726	7.37234	7.84813
MPHOSP	7.11663	6.63235	7.22958	7.31755	6.31181	7.1641	7.16101	7.34967	7.20266	6.59548	7.19165	6.6373	6.03254	6.45561	5.98304	6.24413
MPHOSP	6.44056	6.49982	6.05086	5.98051	6.8268	6.85101	7.30308	7.01893	6.83112	6.13885	6.84758	6.10432	6.40041	6.7674	7.05087	6.47564
MPI	2.57444	4.09184	4.32275	3.3566	4.32841	4.2959	3.77106	4.31918	4.05318	4.36688	3.46198	4.50783	4.53756	4.86471	3.36615	4.27343
MPL	3.63219	2.98506	3.48036	3.39031	2.86273	3.2859	3.26332	3.97409	3.70202	3.39499	3.14882	3.36719	3.5533	3.06788	3.0912	3.33341
MPLKIP	7.87675	7.82597	8.63859	8.96335	8.24731	8.57084	7.78949	8.36455	8.24244	7.8597	8.58859	9.12606	8.97416	8.21161	7.62176	8.40588
MPND	6.12279	6.19272	5.8705	5.63752	6.39408	5.68517	3.52327	4.91489	6.21237	6.55578	6.28487	7.36583	6.71592	6.75934	4.58061	5.979
MPO	3.1863	5.15634	4.12326	3.63219	3.45895	5.28927	4.90822	3.92393	4.71588	4.84284	5.63984	4.51913	4.97408	4.22024	4.79562	4.41868

MPP1	6.99143	7.55124	8.20468	8.00512	8.19126	7.90137	7.5547	9.08188	8.93046	7.94585	9.1358	8.40588	8.35767	7.27283	8.27473	7.97399
MPP2	5.69083	5.64905	5.69186	4.94577	5.54198	6.4564	5.81064	5.68679	6.77848	6.22079	6.1757	6.46984	6.57951	6.67853	6.35027	4.89454
MPP3	6.93258	6.58914	6.34341	6.27029	7.17269	6.78087	7.0851	6.71924	5.94368	6.69664	6.48361	7.11916	7.31308	7.26997	7.43124	6.63361
MPP4	3.66493	3.3081	4.55271	2.99615	4.83353	4.69294	3.72436	3.80815	4.44183	4.7659	2.69546	4.07755	2.99303	3.87043	2.92455	4.13704
MPP5	6.97076	7.18175	7.37167	7.04694	7.33842	6.8096	5.63065	7.17486	6.46116	7.58461	7.16831	7.00599	7.48299	6.64772	7.24319	7.54563
MPP6	3.96455	3.72561	5.11379	5.40272	3.99029	4.11056	4.11511	4.15582	4.01937	4.22557	5.64371	4.59407	3.83893	3.84704	2.83695	2.82062
MPP7	4.96263	5.9082	4.79043	4.74543	5.10092	4.73694	5.30704	5.09145	5.59041	4.98706	5.45949	5.48559	5.78123	5.48981	5.02791	4.51913
MPPE1	7.63045	7.76101	7.13821	7.33233	7.43226	7.53191	6.66929	7.78272	7.23832	6.2504	7.33495	7.5578	7.43579	7.21883	6.75154	7.26624
MPPED1	6.1291	6.05873	5.11788	4.96847	6.29537	6.90303	6.14215	6.79746	5.65306	6.50605	5.76275	6.32441	5.75357	5.78811	6.74484	6.16959
MPPED2	5.51418	6.0402	6.38394	5.02973	5.54853	6.26313	5.37344	6.00522	3.81063	6.84879	5.38724	4.77676	3.6241	4.79343	4.10752	4.41781
MPRIP	6.61459	6.66059	6.9368	6.52829	6.59252	6.55916	6.4803	6.81217	6.63258	6.32263	6.46475	6.43304	6.85775	6.95872	6.77061	6.46712
MPST	7.17953	7.27175	6.38623	6.30863	6.38544	5.52799	7.25662	4.45148	6.74695	6.65137	7.22958	6.97213	7.75099	7.75735	6.76425	7.84726
MPV17	6.53172	7.40895	6.92271	7.53845	6.03933	7.75348	6.86032	4.17171	7.29931	7.59864	7.67005	8.50644	8.05562	7.69724	6.3379	5.82871
MPV17L	5.81961	6.30924	6.14519	6.27345	4.78378	5.25598	4.55715	4.85535	5.35608	7.04028	6.13381	6.13572	5.10007	5.45648	3.97656	5.84031
MPV17L2	7.19964	7.2897	6.29102	6.28284	6.99664	6.44212	6.61529	5.77868	6.37487	6.5239	6.77107	6.83636	6.73759	6.76064	6.8747	6.3411
MPZ	5.30253	4.67521	6.17732	4.41415	5.91533	4.92674	3.39293	5.86281	5.22283	5.59155	3.09709	3.81618	3.64142	5.30815	5.69841	2.86424
MPZL1	6.5681	6.84633	7.57352	6.77476	7.97957	6.95215	7.52542	7.43769	7.56462	7.59211	7.10829	7.63737	7.04107	8.23028	6.86221	7.01754
MPZL2	7.69319	7.87079	7.23713	7.60702	7.72117	6.53649	7.30789	8.14368	7.46368	8.08385	8.11962	6.3681	6.55209	7.14001	6.53856	7.13144
MPZL3	5.10469	4.53186	2.64349	2.7549	3.07787	2.20167	2.21637	2.68811	3.50377	2.58967	3.03017	1.4369	2.30474	2.34191	2.558	2.52439
MR1	6.57255	6.41038	7.11075	6.69578	6.83957	6.65458	7.12429	6.91774	7.53155	6.18679	6.84655	6.63879	5.48013	6.66617	6.97525	6.55046
MRAP	4.35308	4.93532	5.17515	5.32967	4.94638	3.93142	4.59852	4.70357	3.83335	4.44748	4.20529	5.06051	4.66192	5.38217	4.03607	4.44564
MRAP2	9.10108	8.62008	6.63901	7.67728	8.09518	9.54173	9.71027	4.80693	10.2039	8.49992	3.3963	8.73732	6.99689	7.20992	8.56333	8.11184
MRAS	7.00304	5.8521	7.62073	6.58543	6.57122	6.80329	6.68462	7.13187	6.81668	7.62433	7.16078	6.17911	6.7566	6.42177	6.48609	6.87285
MRC1	6.27461	6.98142	9.07965	7.18064	7.28407	6.57211	6.6076	7.67128	9.76893	7.46409	9.18711	6.72589	7.78783	6.42295	8.41119	6.25266
MRC2	6.50434	6.78294	7.44046	6.68292	6.67664	6.7674	6.58522	6.81029	7.31697	7.56707	7.28174	7.32463	6.46606	6.60518	7.29787	6.64348
MRE11A	4.92151	4.13266	5.94284	5.49001	6.10744	5.94472	5.63327	5.60707	5.60255	4.84227	5.25678	5.38475	5.55253	5.54126	5.41012	5.55777
MREG	5.89817	6.26604	7.26885	7.4238	7.91644	6.19536	7.37522	7.53123	6.98711	5.82886	7.12084	5.61655	7.75049	7.73791	7.50393	6.84366
MRFAP1	12.0835	12.0147	12.1851	12.1851	12.3939	12.2974	12.0628	12.3491	12.468	12.0835	11.5923	12.1026	11.8584	12.0258	12.3743	11.9441
MRFAP1	8.98153	8.60042	9.2553	9.38907	9.51355	9.15368	8.11142	8.36678	8.97528	9.04668	8.8144	8.45546	8.69689	8.82658	9.08789	8.56006
MRGBP	8.07825	8.03371	7.98276	8.17934	8.34814	8.46478	8.1398	8.70076	8.35311	8.27589	8.48984	8.73392	8.76117	8.05303	8.45605	8.58123
MRGPRF	5.23193	5.69214	6.26303	6.21818	4.34735	6.56041	4.6921	4.08791	4.69793	7.1266	5.28977	5.62225	4.91397	5.31211	5.7174	5.07599
MRGPRC	5.74003	7.50856	6.30722	7.363	6.91856	7.0893	7.21537	7.26997	6.30901	6.43759	7.1324	7.88762	7.55351	7.05942	7.16343	7.73355
MRGPRX	5.12745	5.89702	4.92884	4.07003	3.62835	4.06264	4.91176	5.37804	4.92985	4.80682	5.78133	4.51613	2.62575	2.93125	4.75761	5.49859
MRGPRX	2.47437	2.77081	2.75954	2.0998	2.58828	2.31052	2.70047	2.49961	2.88086	2.42411	2.56627	2.71947	2.59488	2.62575	2.9127	3.37025
MRGPRX	2.88015	4.7658	3.38079	4.0196	4.42618	5.68517	5.91547	5.45391	5.03513	5.25952	2.15913	5.3582	5.47935	5.5659	5.24005	5.5419

MRGPRX	6.58037	6.54445	7.20956	6.83636	6.49681	6.86669	7.16157	6.88783	6.08246	6.21634	6.44799	6.71186	6.43689	6.70552	6.51043	6.34019
MRI1	6.50736	6.46966	7.65533	7.73143	7.31201	7.8954	7.89062	7.14383	7.59324	7.39533	6.67366	7.36657	7.03381	7.11663	7.25243	7.44685
MRM1	6.05051	6.75284	6.57289	6.17887	5.96948	6.37156	5.23969	5.75271	6.27756	6.10559	7.20767	6.01971	5.91468	5.16038	5.06869	6.08232
MRO	4.56051	4.12051	4.71759	4.33537	4.22943	4.62908	4.01937	4.57572	4.77579	4.85998	4.68584	4.69141	4.50274	3.7913	3.61993	3.76414
MROH1	5.76889	5.83837	6.16548	5.83635	5.59022	6.12018	6.23723	6.30604	6.2291	6.31164	5.62168	6.23325	6.0939	6.23233	5.64784	6.18849
MROH2A	3.70908	3.29356	3.89887	3.58197	2.34717	2.68743	2.79904	3.5479	3.10475	3.90071	3.63634	2.61408	2.02868	3.36074	3.83724	2.1617
MROH2B	5.18553	4.98389	5.02274	4.77788	5.05491	5.10864	5.26248	5.40326	5.84269	4.97556	5.25974	6.00213	5.23405	5.06778	5.1356	5.55192
MROH6	5.16345	6.70243	4.31978	5.62746	4.24744	4.82194	4.65674	4.27613	6.74695	6.21063	5.38244	6.24402	6.50689	7.01235	6.45551	6.77297
MROH7	5.09335	4.28339	3.66581	3.76038	5.49591	3.15165	3.818	3.92749	4.70432	6.3317	4.09367	4.05356	3.68721	4.75817	3.69726	4.11853
MROH8	5.43291	4.64822	5.18736	4.84587	4.78876	4.65792	4.9742	5.6255	5.17875	5.36091	4.03129	4.82016	3.41062	4.96907	4.09143	4.35946
MROH9	6.30532	4.3801	2.82464	3.49407	2.76484	2.03544	2.81469	2.81438	3.57258	2.83032	2.58746	1.97567	2.59488	2.51368	3.18863	1.73976
MRPL1	7.74589	7.88305	7.94178	8.08673	8.52003	7.93745	7.30631	8.24115	8.08201	7.89777	8.29063	7.37305	8.79617	8.34839	8.47942	8.34712
MRPL10	8.55121	8.76268	8.47386	8.81092	8.32089	8.82977	7.59473	8.73434	8.31916	8.72194	8.29662	8.9238	8.49589	9.0096	8.40046	8.77093
MRPL11	8.30473	9.14447	8.35965	8.49143	8.6216	9.0318	8.50291	8.25579	9.1846	8.02161	9.01679	9.35952	9.47426	8.95735	8.58309	8.96044
MRPL12	5.71755	6.21299	5.13789	5.63629	5.9052	6.14304	6.24612	5.53799	5.88826	5.49803	6.37758	6.55263	6.4489	6.73147	6.01092	6.35762
MRPL13	6.67673	7.23822	7.29299	7.5342	8.2561	8.33807	7.97364	7.96772	8.2507	7.43254	8.28608	7.52899	8.78035	8.49421	7.96861	8.51853
MRPL14	8.63591	8.90453	7.64471	8.75854	8.38294	9.03623	8.56369	7.98333	8.24533	7.8905	9.19948	10.1246	9.38383	9.17506	8.00533	9.10446
MRPL15	8.28608	9.12668	8.59168	8.88182	9.60364	8.60447	8.50644	9.23414	9.30365	8.44501	9.42873	9.20892	9.98814	9.4469	9.40143	10.043
MRPL16	8.53909	8.31415	8.843	9.03229	8.60896	9.00548	7.95029	8.60332	7.88065	8.43726	8.90205	9.22523	8.30376	8.75379	7.40525	7.88036
MRPL17	7.75348	8.0757	7.97105	8.34789	8.34233	8.14651	8.06436	8.73349	8.48955	7.70241	8.53182	9.00855	8.91676	8.54987	8.19619	8.49069
MRPL18	8.9826	9.34108	9.18833	10.0079	9.35952	10.0444	8.99568	9.75827	9.78521	9.2593	9.81607	10.0285	9.64158	9.53392	9.46771	9.46371
MRPL19	4.56594	5.64301	5.56103	6.36055	6.30626	6.47632	6.9514	5.17686	5.7048	6.15875	5.9804	5.75987	5.4729	6.32112	7.09572	6.89693
MRPL2	7.53191	8.10013	7.65794	7.37995	6.81089	7.69819	7.95615	7.40328	7.92598	7.77962	7.1078	7.24192	7.49393	7.15615	7.26448	7.45526
MRPL20	6.42388	7.15323	6.59531	6.52147	6.15395	6.07392	5.69164	6.60805	6.32734	6.46461	6.28777	6.91101	6.94842	6.43347	6.10884	6.4158
MRPL21	7.44915	7.59473	7.68484	7.5342	7.13471	8.2033	7.5547	6.86932	7.31648	7.25736	7.8738	8.07429	8.21223	8.65818	7.15754	7.22524
MRPL22	7.75653	8.53664	8.01515	9.01865	8.06777	8.53692	8.30556	8.13742	7.71518	7.76993	8.85137	8.71998	8.76701	8.55081	8.07378	8.65005
MRPL23	7.29437	7.68033	6.12863	7.54269	7.24192	7.5753	7.50734	7.09419	7.27263	7.60636	7.29669	8.01278	7.52301	7.94485	7.02837	7.72798
MRPL24	8.91149	8.64262	9.07016	9.17731	7.86922	8.90648	8.02364	8.0666	8.46655	8.53909	8.92258	9.58716	8.8844	9.22028	8.27971	8.85546
MRPL27	9.91866	9.93225	9.49953	9.77645	9.64485	9.69136	9.37478	8.89342	9.62785	9.53523	10.0444	9.37478	9.58085	10.0162	9.56208	9.7947
MRPL28	9.41517	9.41034	9.09316	9.22973	8.78561	9.15245	7.70402	8.82517	9.07661	9.27564	9.1668	9.79203	9.19751	9.46577	9.33546	9.09601
MRPL3	10.0051	10.7652	10.4028	10.2771	11.547	10.3852	11.2015	11.2324	10.7222	10.545	10.6733	10.1021	11.0563	10.9705	11.2822	11.4604
MRPL30	7.04051	7.34333	7.02998	7.40862	7.35432	7.34333	7.51081	7.59878	7.21742	6.90423	7.34967	7.24216	8.06455	7.37585	7.68808	8.1427
MRPL32	8.98902	8.97179	9.09246	9.49286	9.7543	9.23319	8.74347	9.68889	7.97484	8.45462	9.09834	9.68446	9.65609	10.0697	9.46371	10.2039
MRPL33	9.83596	10.2496	9.11537	9.85557	9.55682	10.2955	9.90783	9.73676	9.76219	9.46135	9.45199	8.79141	10.5482	9.41176	9.37612	10.1423
MRPL34	7.49393	7.63211	7.71853	8.29592	7.42295	8.49302	6.78477	6.37891	6.54993	7.78783	7.82261	8.79229	8.39139	7.91692	6.89221	7.78021

MRPL35	6.44616	6.67595	6.51968	6.78078	7.28911	6.64925	7.3363	7.26214	6.81937	6.694	7.3511	5.45177	7.57931	7.23209	5.96714	7.25015
MRPL36	9.97929	10.4135	10.0342	10.2415	9.53523	10.3741	10.0791	10.4883	9.28645	9.0251	10.4209	10.3679	11.5206	10.2928	9.10246	10.1456
MRPL37	6.80649	7.81974	6.71138	5.91663	7.58402	7.47003	6.94842	7.71299	7.74342	7.01959	7.80998	8.01689	7.78315	8.09817	8.02161	7.64917
MRPL38	3.49121	3.27538	2.7835	2.51876	3.01667	3.46594	3.15571	3.40694	4.12015	3.42455	4.22	4.00429	3.75226	4.88621	3.39483	3.6778
MRPL39	6.89264	6.387	7.30666	7.50291	7.97147	7.58194	6.94457	6.96523	6.63421	6.94586	6.92356	6.97788	7.13203	6.49605	7.30409	7.15001
MRPL4	4.6197	3.94634	4.22771	4.38066	5.77721	4.97749	5.0999	3.70011	5.22658	3.80004	6.1546	5.69394	5.70671	7.04107	4.20237	5.26424
MRPL40	9.44547	9.35829	8.41149	9.16397	8.74609	8.8333	8.89342	9.51037	8.58691	9.15554	8.49751	8.66383	9.21483	9.08827	8.73434	8.76627
MRPL41	7.40067	6.89788	6.58025	6.20604	6.44114	7.03653	6.58264	6.29331	6.42772	6.69731	7.04408	7.53449	7.50441	6.68886	6.38175	7.10916
MRPL42	7.47334	7.23391	7.45339	7.66053	8.41541	8.24244	8.69101	7.82261	7.33163	7.25476	7.65647	7.09252	7.93589	8.61941	8.24153	8.08673
MRPL43	7.84964	7.3304	6.94242	8.30594	6.25466	7.8097	6.22003	7.15413	6.88505	7.98209	8.39965	8.66851	8.32089	8.48679	6.78332	8.69522
MRPL44	6.28422	6.2599	6.62448	6.5839	7.25315	6.4299	6.25418	7.00599	6.76637	6.17842	7.1777	6.02224	7.13758	6.63193	7.06749	7.33495
MRPL45	8.07825	7.95813	7.89942	7.90044	8.19276	7.95029	7.89522	8.68454	7.79332	7.78294	7.66346	7.87824	8.3215	8.41541	8.13158	7.80571
MRPL45I	4.30677	4.19998	5.04282	4.51263	2.55772	5.14236	3.65785	5.12208	4.58372	5.05621	2.41572	4.06056	4.21419	1.97057	3.13607	3.37025
MRPL46	7.87767	8.35355	7.55433	8.61181	7.88036	7.97022	8.46329	8.71228	8.154	7.77354	7.86242	8.32439	8.53406	8.74347	8.36194	8.53406
MRPL47	8.05282	8.1427	8.16729	8.02662	8.52211	8.51477	8.5278	8.80295	8.21907	7.56811	8.2233	7.90707	8.87358	8.45387	8.65782	9.00106
MRPL48	7.97619	8.04543	7.21589	8.03892	8.35397	8.07186	8.39387	8.55357	7.86511	7.40032	7.8368	7.80711	8.33277	9.43764	8.11421	8.57221
MRPL49	9.11939	9.35232	8.63277	9.36543	9.29927	9.45311	9.52327	9.31324	9.29073	9.2421	8.48984	9.22423	9.10606	10.1104	9.49577	8.94713
MRPL50	5.74686	6.34446	5.45244	6.18966	7.2181	7.63101	5.94415	6.21965	7.17667	5.91251	7.15566	5.89914	8.04125	6.80263	6.99781	7.7785
MRPL51	9.86158	10.2583	10.1581	10.1277	10.8107	10.5398	9.82582	10.1423	10.4632	10.1952	10.3603	10.5124	10.4489	10.4412	9.99925	9.77946
MRPL52	6.66036	6.21965	6.55263	6.98343	6.93134	6.18324	6.92196	6.6174	7.41351	7.0893	6.69306	6.2358	7.33565	6.92002	6.53163	7.07392
MRPL54	9.16853	9.32624	9.18298	9.35525	8.62685	8.79808	7.66116	8.11404	7.59745	9.31073	9.01248	9.6967	9.65062	9.35144	8.04384	8.93431
MRPL55	5.58837	5.94761	6.51642	6.88815	6.54861	5.8673	6.02765	6.03295	7.05317	6.65014	6.5886	7.09849	7.30509	6.92836	5.6314	6.90602
MRPL57	8.58859	8.38687	7.38087	8.41433	7.94585	8.39851	8.44095	8.12675	7.76155	7.52405	8.45101	7.85197	8.69402	8.15253	7.51379	8.19792
MRPL9	8.06036	8.72521	8.45605	8.35464	8.82977	8.27215	8.43012	8.66637	9.24484	8.76514	8.75484	9.16038	8.87147	8.371	9.00505	9.05078
MRPS10	6.82513	6.50219	6.8071	6.70155	6.96157	7.01906	7.33464	7.27478	7.39834	6.28732	7.12799	6.56324	7.17376	7.66502	7.07031	6.129
MRPS11	5.95178	6.56491	6.36727	6.69284	6.68135	7.05573	6.94586	6.09956	7.013	5.72971	6.21509	5.6503	7.01721	6.44143	6.71459	6.65556
MRPS12	5.68112	5.8864	5.94133	5.82205	5.26984	5.95993	5.6972	5.24887	5.4497	5.75276	6.27095	5.7512	5.81323	6.134	4.69574	5.8191
MRPS14	8.10686	8.27662	8.26876	8.71458	7.83406	8.184	8.30008	8.19449	7.93177	8.18097	8.20967	8.07142	8.70701	7.70647	8.59839	8.48593
MRPS15	7.20659	7.82492	7.23363	7.35544	7.25015	7.51172	7.82261	8.06352	7.66915	7.41022	7.86096	7.93941	8.21006	7.76606	7.37167	7.67366
MRPS16	7.24537	7.19274	7.01407	7.22049	5.9966	6.91101	4.24058	6.04314	6.39845	6.59641	7.56855	5.956	7.75388	7.86385	6.43896	6.57801
MRPS17	8.17389	8.45826	8.02082	8.54987	9.00702	8.51784	9.09448	8.90524	8.22932	7.97748	9.16254	8.94055	9.89872	8.78405	9.16254	9.87278
MRPS18A	8.72304	8.96335	8.64262	8.35203	7.69174	8.42133	8.15305	8.31666	8.8262	8.22559	8.59875	9.27873	8.98061	9.00702	8.15443	8.51686
MRPS18B	8.0941	8.34898	8.25461	7.7899	7.96702	7.37995	7.67994	8.28971	8.24481	8.37262	8.40549	8.31881	8.04588	8.38943	7.70306	7.58344
MRPS18C	5.46793	5.64485	6.14229	6.37229	5.49741	6.85206	6.50559	5.99679	5.60407	5.91869	5.54288	5.77019	6.38914	5.79697	6.33407	5.64109
MRPS2	6.54966	6.35785	4.31978	5.36331	7.09238	6.01138	3.27441	2.91144	6.44361	4.25792	7.62564	7.98034	7.46703	8.24645	7.26867	7.47457

MRPS21	10.3871	10.3228	10.0953	10.5181	9.89582	10.6392	10.7062	10.6972	10.1952	9.53326	10.0817	10.8872	11.063	9.78521	10.5954	11.3436
MRPS22	8.12358	8.26876	8.23823	8.14808	8.52332	7.93087	8.62066	8.96044	8.18148	8.44024	8.1831	7.74752	8.70076	8.44024	8.10488	8.54592
MRPS23	7.70836	7.19487	8.13334	8.25902	8.27215	8.47306	8.30207	7.58583	7.43226	7.58648	8.01099	7.97727	7.53557	8.6025	8.31608	7.7715
MRPS25	7.0195	6.95289	6.8133	7.18817	7.5095	7.18371	7.46733	7.73933	7.21707	7.75205	7.51588	7.59296	6.8906	7.7162	7.27022	8.35699
MRPS26	6.15875	6.22827	5.81741	6.0071	6.42113	6.32349	6.37458	6.11433	6.22079	6.21991	6.53227	6.46712	6.42252	6.56402	6.24154	6.2716
MRPS27	6.17676	7.22216	5.57718	5.6452	6.75611	5.51727	6.58707	6.97262	6.58441	6.74019	6.82429	6.37807	7.10605	6.83848	6.62134	7.0915
MRPS28	7.36602	7.49252	7.32536	8.02325	7.89638	8.39387	7.73814	8.27662	7.96091	7.48729	8.31293	7.92948	8.24481	8.48075	7.23978	7.7726
MRPS30	7.01125	6.6125	6.71186	6.62746	7.61653	7.19188	8.13277	7.77962	7.23519	6.73498	7.35865	6.73753	7.50555	7.92317	7.70144	7.68518
MRPS31	6.80889	5.46131	6.14599	6.17866	6.00906	6.028	6.09131	6.52126	6.09034	6.12507	5.58714	5.90894	5.56014	6.18041	6.59491	6.17788
MRPS33	8.21932	9.26858	8.037	9.52486	9.06609	9.49577	9.66911	10.2583	9.10246	8.59487	9.21728	9.65881	9.94907	9.98579	9.74393	9.92065
MRPS34	6.68292	7.46976	6.71288	7.08717	6.71266	7.25345	6.71311	5.8842	7.66417	7.57572	7.92119	8.47614	8.15069	8.10118	7.36816	7.86992
MRPS35	9.03052	8.88182	8.53248	8.40158	10.1842	8.44288	9.47025	9.02416	9.04668	9.01455	8.96611	8.48129	9.38055	9.36362	9.38269	8.95146
MRPS36	7.96513	8.40382	7.81725	8.47703	7.70144	9.11537	8.82517	8.48815	8.60829	7.61499	8.66383	8.02662	9.6066	7.98688	7.49338	8.13277
MRPS5	5.61554	4.69014	5.45029	5.18306	4.34316	5.5803	5.89338	5.32055	5.79645	4.72913	4.85029	5.57186	5.21864	5.64797	5.01758	5.59486
MRPS6	8.6233	9.19078	9.36543	9.34899	9.27414	9.21806	8.17086	9.51229	9.36926	8.71563	9.83596	9.34899	9.50874	9.18298	9.81371	8.91007
MRPS7	7.25652	7.46791	7.27175	7.51025	7.53206	7.44347	7.20976	7.30469	7.52217	7.99341	8.25579	8.43072	8.24077	8.49332	7.32899	7.59042
MRPS9	8.12218	7.24097	7.57158	8.36651	8.35699	8.27954	9.12492	9.02416	8.19658	7.47017	7.93282	7.48625	7.27872	8.42856	8.77344	8.41541
MRRF	7.11366	7.16569	6.71288	6.74939	6.72476	7.12487	6.87531	6.70297	7.18439	6.20038	7.14091	6.93376	7.27186	6.81379	7.50708	7.25924
MRS2	5.61824	5.75961	5.53655	6.16548	6.33317	5.60298	5.34775	5.44744	5.57884	5.19028	5.37133	6.04185	6.19553	5.75554	5.67296	5.61936
MRTO4	5.76339	6.3708	6.33769	6.16037	5.20903	5.85017	6.57951	5.92763	5.58501	5.24375	7.55633	5.88435	7.17259	7.02275	6.31677	6.27955
MRVI1	5.68176	6.32509	6.31219	6.62723	5.68888	6.30457	5.80439	6.4564	6.30248	6.26645	6.03712	6.40308	5.16531	5.86024	6.60313	6.02894
MRVI1-A	6.61138	6.07849	5.80143	4.87023	5.18485	4.68011	4.94479	5.14009	5.28311	4.86372	4.79814	6.70196	3.61424	6.42945	5.44236	4.70821
MS4A1	8.46911	9.05286	8.44288	9.35033	7.98728	8.22834	5.98083	8.09094	7.86001	6.36933	5.89702	8.50078	5.9165	5.40944	7.78272	6.87399
MS4A12	4.78107	3.38769	3.19256	4.4487	3.57987	3.8966	5.34628	4.42433	5.12426	3.13394	3.99549	3.58062	4.25636	5.90555	4.42805	3.27231
MS4A14	5.79227	6.86445	6.77343	6.41956	6.92873	6.8266	6.73015	7.65128	5.99187	6.1833	6.78596	6.3267	6.47656	6.22411	6.45655	6.85134
MS4A15	5.34559	6.04791	5.78941	5.41994	6.02566	4.79243	5.50534	6.08585	5.62571	6.51929	5.58837	4.85258	5.77971	5.90889	5.56103	6.30604
MS4A2	3.97356	4.08394	6.01609	5.42944	4.64889	5.00871	4.0601	5.65069	3.74908	5.31468	3.70705	3.71116	3.98218	5.8832	4.8882	3.69873
MS4A3	5.0199	5.63203	4.56473	4.1135	4.86274	4.57279	4.14289	5.7348	5.16276	3.82587	3.98554	5.61148	5.53386	4.84961	4.92159	5.88435
MS4A4A	4.70305	6.62122	8.12233	6.94695	7.03779	7.79044	5.15199	7.36696	7.36492	6.35285	8.39725	6.34034	7.4647	5.23301	6.72716	7.34672
MS4A5	2.94778	4.03498	3.75788	2.31308	1.80599	3.99153	2.42155	3.21508	2.86093	1.87612	1.95222	2.73426	5.47935	3.47687	4.40237	2.61375
MS4A6A	7.09664	7.66053	8.29124	7.90928	7.60493	8.26281	6.12611	7.92801	7.30238	7.22377	8.48815	7.88984	8.06823	7.02115	7.74792	8.10013
MS4A6E	7.02807	7.03639	6.90283	7.11075	6.52531	6.80889	6.08549	6.83862	6.71186	7.03639	7.60929	6.96496	7.28611	7.28855	6.60577	6.98422
MS4A7	5.32616	6.61839	6.99346	7.10298	6.77825	6.80405	5.24821	7.08446	6.1118	5.67529	7.33565	6.17699	6.82623	5.61435	6.75072	6.63803
MS4A8	10.817	7.7196	4.81041	9.25237	3.41088	3.15165	4.45365	4.17171	6.11635	3.87941	3.37552	4.08018	3.7479	3.77151	3.80883	3.91544
MSANTD	5.09335	5.16113	5.15361	4.82835	4.75305	4.23809	5.26131	3.47335	4.25669	5.63956	5.67523	4.61373	4.73847	4.1611	5.69841	5.05177

MSANTI	6.90183	6.20923	7.50244	6.47821	7.25954	6.50293	5.87497	6.44189	6.61221	5.89084	6.43161	6.46572	6.28592	6.19445	6.56645	6.89528
MSANTI	5.68726	7.00962	7.31799	6.41846	7.59324	6.40488	7.34936	7.62252	7.78548	7.36398	7.5573	7.40556	8.38038	7.60146	7.50734	8.27775
MSANTI	5.26572	5.05327	3.6843	4.65137	5.6952	4.51071	5.68265	5.6905	4.0856	4.11705	5.13206	4.44237	4.93889	4.22883	5.16345	4.80306
MSC	6.07045	6.50148	5.49545	6.07272	5.33875	5.72006	6.07864	6.35285	5.96744	5.23982	6.12946	5.92734	6.42316	5.97927	5.6397	5.96981
MSH2	5.15459	4.92917	5.90087	6.10744	7.01754	5.98045	6.33628	5.84319	6.04791	5.86096	6.8268	5.85641	6.53612	6.63146	5.83438	6.69641
MSH3	8.5483	7.83011	6.88265	7.78404	6.57	6.53093	6.92836	6.73292	6.87204	6.90468	6.39586	6.3538	7.08255	7.32463	6.57122	6.74019
MSH4	4.82631	1.54402	4.56226	2.03633	4.46197	5.57446	2.15094	4.82189	4.28832	2.38782	2.83774	2.41615	4.33795	4.6285	5.11666	3.9365
MSH6	4.58244	4.42603	5.27686	4.40257	5.06568	5.48792	4.06947	4.54368	4.80236	5.24618	6.06179	5.29139	4.97569	5.47477	4.6666	4.73535
MSI1	6.17104	6.27208	6.20038	5.69581	4.34735	4.83812	6.38093	5.34019	5.69851	4.5207	6.14382	6.51165	6.8411	5.42385	4.44812	6.84027
MSI2	6.20878	5.81858	6.16376	6.18822	5.48325	5.29681	5.0963	4.78555	5.86835	5.62971	6.04396	5.63371	5.73546	5.78393	5.48773	5.39578
MSL1	6.71649	7.68174	8.13104	7.77079	8.03847	7.78045	7.21975	7.21396	7.83154	8.09933	7.78783	7.52685	7.36274	7.96702	7.41405	7.40032
MSL2	4.59471	4.52696	5.84642	5.65354	5.15416	4.53909	4.70432	1.3689	4.50459	4.52838	1.91586	5.60212	2.8623	4.369	3.75151	4.58777
MSL3	7.05272	6.75341	7.53729	7.11823	7.3721	6.73688	6.49184	6.93914	6.92196	7.07369	7.03779	6.85678	6.73391	6.64591	6.88467	7.01673
MSLN	7.00164	7.26312	5.67371	7.39819	5.36162	5.84203	6.33001	6.46837	6.1047	6.57013	6.22158	6.43709	5.26645	4.02061	3.90511	7.25205
MSMB	12.0504	11.4919	8.56106	10.817	7.82061	8.11228	7.1968	7.268	9.42357	11.4504	6.69812	6.86689	3.81566	8.18565	6.841	7.3721
MSMO1	9.77946	9.01959	8.80081	8.65005	9.23319	9.08827	8.25798	9.16908	8.54257	8.8861	8.76971	7.47602	8.2938	9.00592	9.45518	8.79858
MSN	6.1231	7.40969	6.28135	6.5805	7.37359	6.04001	7.24097	7.04642	6.61862	7.12396	7.27478	6.45844	7.07841	7.04642	7.23475	6.83319
MSR1	5.07366	4.61485	5.26854	4.83492	5.38724	4.98831	5.2818	5.61494	5.41855	4.88154	5.8975	5.00891	5.95144	4.87602	5.17349	6.33001
MSRA	7.52405	7.22399	7.58461	7.00638	6.85291	7.42501	7.64031	7.0893	6.8108	7.68328	7.06434	7.52519	6.76182	7.60105	7.07983	7.3363
MSRB1	9.01959	9.31202	8.43657	8.97054	7.54204	7.87596	5.90076	8.27019	9.35144	7.39264	9.93674	9.36926	9.76458	8.60425	6.81398	8.72123
MSRB2	7.66097	6.93646	7.32333	7.69819	5.78724	8.41962	7.44838	6.38805	7.48101	7.85698	6.92098	7.87426	7.17933	7.41461	7.29217	6.94031
MSRB3	4.91999	4.31046	5.51506	5.85707	5.25716	4.72336	4.17971	6.11511	4.35866	5.87407	6.3484	5.40915	4.83125	5.47974	5.51152	5.32787
MSS51	5.63997	5.67846	3.93627	4.84774	5.51788	5.95809	5.09328	5.93603	6.09093	6.12439	5.41954	4.80682	4.35356	3.82047	5.38495	5.72006
MST1	7.88907	6.97341	7.75362	7.43484	7.54029	6.02894	6.58244	6.69406	6.73005	7.6481	6.84709	7.79231	6.11841	6.04232	6.40159	7.39456
MST1L	6.05663	4.45408	4.45539	4.37397	5.43864	5.47581	5.4251	5.56253	5.36001	5.57398	5.2071	5.62668	5.99832	5.79475	5.54035	5.64247
MST1R	7.23854	7.12512	6.04515	6.88783	6.20144	5.47132	7.76086	6.96653	7.23779	3.91319	6.67721	7.62195	7.08815	8.53034	4.4703	8.38967
MST4	5.66638	6.57101	6.9158	6.43019	7.01539	7.23812	7.49549	6.18247	6.19045	6.50096	7.22787	5.9645	6.37043	6.40934	6.08113	6.7602
MSTN	4.52618	4.65943	3.76552	4.32526	5.44316	4.42491	5.39676	4.76359	3.85447	6.37311	4.08209	4.25098	3.57524	3.0362	3.98218	5.8336
MSTO1	6.31242	6.93789	7.35571	7.30859	7.32622	6.70618	7.51567	7.90044	6.90842	6.91606	7.32228	7.06455	6.66158	7.09849	7.38166	7.05931
MSX1	5.19927	3.85641	5.04151	5.50719	3.68482	5.92913	5.18643	6.14411	5.61936	6.43673	4.92134	6.38544	5.44903	5.41316	5.35996	4.27232
MSX2	5.74475	5.4737	5.97406	5.55535	4.4881	4.67154	5.0222	5.16102	5.81646	5.87008	4.86934	5.37003	5.93876	5.1995	5.8784	4.31847
MT1E	10.1153	8.901	8.48955	9.24862	7.58939	7.45894	7.48831	6.50306	7.57459	7.99187	9.37612	7.52542	8.91477	7.39834	7.80556	10.4448
MT1F	9.09448	8.61511	8.41793	9.32203	8.11615	7.54165	8.0146	7.85776	7.85571	8.44366	8.97416	8.20021	9.36648	8.06678	8.23129	9.57352
MT1G	6.17931	5.42842	5.24722	5.97056	4.93246	4.64669	5.06911	5.18876	5.20628	5.01373	5.85107	4.93197	6.04874	5.40153	5.1418	6.03254
MT1H	9.94645	9.14235	8.94645	9.71584	7.74052	7.22892	7.54594	8.02662	7.39425	8.24403	10.3792	7.55185	9.90298	7.84768	7.96455	10.509

MT1HL1	9.85932	9.49038	8.78405	10.149	7.99006	7.93251	8.03352	8.50367	8.03646	7.8527	10.3269	8.06728	9.73065	7.92821	8.64502	11.5015
MT1M	6.2804	5.20867	5.82812	5.67285	2.02496	4.2936	3.14316	2.23712	5.14293	6.26102	6.16676	2.61134	5.30913	1.5436	3.06557	3.34078
MT1X	10.3951	9.56326	9.15554	9.66243	8.68206	7.93978	7.93216	8.3822	8.13632	8.82067	10.3741	7.98921	10.494	7.75388	8.898	10.9018
MT2A	11.374	11.1017	10.99	10.8872	10.3157	10.058	10.3045	10.7105	10.0919	10.0667	11.547	9.97305	11.6889	9.98814	10.7755	12.0258
MT3	6.50525	7.25023	5.50588	6.80312	6.52681	6.23022	5.99003	5.04974	6.32576	5.19743	6.60967	6.57468	6.56658	5.85906	5.55253	8.51154
MT4	6.92766	6.42701	6.50914	6.70889	3.64173	4.05393	5.58885	5.70221	5.95207	5.84343	6.26973	5.58361	6.00345	5.23942	6.29269	6.90423
MTA1	6.86669	7.12136	7.30374	6.85546	6.65907	7.58615	6.47187	6.58198	7.68737	7.77224	6.66639	7.42441	7.31528	7.23955	6.75374	7.3695
MTA2	4.09491	4.30232	3.25331	5.18214	4.04328	5.43316	5.11637	4.79956	4.96412	5.04176	5.8392	4.41586	5.92669	3.64454	3.03267	5.93015
MTA3	5.58847	4.9315	6.89851	5.8345	6.27962	5.43495	5.92277	5.64923	5.57239	6.36854	5.84579	5.35628	6.17104	5.99432	5.83334	6.74657
MTAP	4.99999	5.14791	5.55308	4.96284	5.47008	5.38032	4.55504	5.35829	4.93219	4.81041	5.62406	5.24808	5.37627	5.75528	5.4645	5.89999
MTBP	2.84807	4.24336	3.03498	4.17832	4.92195	4.88734	3.79065	4.44493	3.24161	4.30494	3.99184	3.61993	4.15938	4.92829	4.12287	4.40839
MTCH1	11.5105	11.374	11.3999	11.0417	11.0563	11.4604	10.9164	10.4989	11.6219	11.8	11.1275	11.768	10.9989	11.0355	10.9849	10.908
MTCH2	8.19911	8.61099	8.28971	8.184	8.63551	9.16963	8.49421	8.94645	8.54327	8.14205	8.63124	8.51015	9.06514	8.64714	8.50784	8.69689
MTCL1	7.2774	7.08255	7.32358	6.2807	9.4889	9.4469	8.85137	7.67813	7.57235	7.94275	7.29437	7.36816	9.2421	7.84084	9.91603	7.36696
MTCP1	1.44194	4.86383	4.5951	2.34348	3.0533	4.3562	4.45365	5.01734	4.11778	2.23712	3.71153	2.53152	3.17825	4.86667	4.11491	4.89233
MTDH	7.7726	7.99451	8.89725	8.40722	8.08258	8.94549	9.01959	8.26769	8.67666	8.29124	8.10362	8.03137	8.03524	8.45101	8.234	8.24244
MTERF1	7.28396	6.6686	7.01023	7.14668	7.58361	7.9141	7.43254	8.11404	7.60269	7.03226	7.48264	7.04642	7.09238	6.75374	8.25718	8.20539
MTERF2	6.36226	6.32898	6.51789	6.38582	6.72553	6.85546	6.8119	7.1351	6.54069	7.30197	6.15646	6.50329	6.96991	6.99272	6.48293	6.9803
MTERF3	6.79347	7.50158	7.8817	7.00465	8.90341	8.68047	9.39322	8.19193	8.17509	7.80818	8.15161	8.27019	8.65141	8.39534	8.71563	8.67903
MTERF4	7.26885	7.36816	7.33445	7.52478	7.64142	7.58312	6.91402	7.71017	7.83923	7.81534	7.23263	7.45485	7.21844	6.82452	7.50665	7.39005
MTF1	7.85776	7.64001	7.51651	7.58161	6.64348	6.75786	7.28741	6.60626	6.89374	6.87053	7.5095	6.84156	6.54672	7.06345	7.51308	6.79746
MTF2	6.59516	7.00374	7.25418	6.95399	7.29733	7.34905	7.35274	6.51087	6.74597	6.19217	7.18371	6.80649	7.32176	6.80929	6.77496	7.51829
MTFMT	5.84764	6.71161	6.93789	6.31876	7.159	6.72429	7.4231	7.19055	6.88127	6.92854	6.51704	6.98725	7.35897	6.8763	6.74325	6.69314
MTFP1	8.18026	8.44632	7.58402	7.7654	7.3786	7.68501	7.97748	8.12322	8.0326	8.00282	8.28729	8.52303	8.91873	8.08396	7.61366	7.91508
MTFR1	5.7021	5.81987	5.69394	5.48088	6.51546	5.08822	6.30331	5.91306	6.04147	5.71731	6.10912	5.29152	5.4486	5.20249	5.60255	6.41991
MTFR1L	7.67409	7.17193	6.9261	7.05554	7.39678	7.02452	5.96781	6.60546	7.23612	8.13033	6.98593	6.56645	7.69565	7.12832	7.33828	7.05116
MTFR2	4.79767	5.34179	5.42087	4.57777	4.9958	4.86491	5.63291	6.23661	4.61634	3.91554	5.72828	5.25974	5.48534	5.89189	5.30548	5.85251
MTG1	8.17116	8.00769	8.05587	6.96438	7.72015	7.16848	6.70844	6.59641	8.39116	7.00489	8.29921	8.63306	7.44137	8.234	7.61185	7.88862
MTG2	4.78274	4.80031	4.94282	5.25704	5.09358	4.98359	5.39469	4.59901	4.94005	5.29032	5.47492	5.46594	5.2755	4.95436	4.65852	4.6945
MTHFD1	8.30791	8.8333	8.01968	8.34712	9.26222	8.16058	8.94258	9.89146	9.39322	8.5981	9.4407	7.97871	8.82891	8.57771	8.69776	9.33233
MTHFD1	5.4983	5.55391	5.23698	6.00481	5.12769	4.37334	5.24432	6.34947	4.86178	3.70919	5.83698	5.82484	6.24655	5.54064	5.92232	5.53282
MTHFD2	5.96291	6.83931	6.8113	6.36574	7.1585	6.23544	7.15273	7.81046	6.38514	6.50576	8.38746	6.84397	7.96835	7.40184	7.03205	7.55529
MTHFD2	5.13823	4.86961	4.59297	5.20552	5.72913	5.68112	4.94105	5.23607	4.62359	5.30704	5.33796	4.43135	5.81938	5.6401	5.29269	5.96269
MTHFR	5.37027	6.0189	6.5166	5.26744	6.01907	4.93688	6.17824	6.19482	5.36743	6.09697	5.61224	5.84528	5.96948	5.99292	5.69581	5.97056
MTHFSD	5.25141	5.39815	4.91294	4.9789	4.74224	4.61987	4.83667	5.34161	4.87633	5.0631	4.81793	4.67307	5.65114	4.73561	4.78796	5.16804

MTIF2	9.2048	9.38269	9.46931	8.98405	9.78521	8.84899	9.78521	10.1581	9.50452	9.59327	9.04381	8.63969	8.98463	9.51684	9.51229	9.26491
MTIF3	5.74655	5.82871	5.89886	5.64371	5.54233	5.18334	6.04147	6.85261	6.36727	6.47704	4.73561	5.76467	6.2126	5.72192	6.34393	5.98304
MTL5	5.28021	5.05543	3.73135	4.16747	5.89223	4.56005	4.59535	4.87769	4.34913	4.04104	5.31668	4.21365	5.61405	5.10451	5.17834	3.88108
MTM1	6.80197	6.42295	6.83822	6.75356	6.70618	6.84633	6.83067	5.80324	6.38914	6.06475	7.23281	4.97034	5.81304	6.31957	7.01816	5.52109
MTMR1	6.438	7.05982	7.10697	6.33207	7.86967	7.02351	7.48264	6.70439	7.24674	6.84334	6.96795	7.26423	6.70243	7.75049	6.71062	6.94927
MTMR10	5.55578	5.17376	5.54686	5.20768	5.94989	5.30361	5.85412	5.42382	5.0694	5.60255	5.64638	5.45803	5.56147	5.51476	5.74555	5.76786
MTMR11	5.78483	5.31186	5.99432	6.44646	5.10065	6.26791	6.3353	5.36656	6.15366	5.36141	5.95836	6.4856	6.19415	5.8995	5.37698	6.16838
MTMR12	8.56106	8.53406	8.11103	6.99664	8.07629	7.25259	7.67409	8.08445	7.92881	8.12887	7.84679	7.65455	7.00568	7.71824	8.01968	7.78783
MTMR14	5.2591	5.85483	5.77268	6.51983	5.98551	5.60814	5.96676	5.83304	6.27603	6.18149	6.16214	5.08546	4.87854	5.87283	5.83248	6.09592
MTMR2	7.26141	7.62734	6.90468	6.82648	7.46659	6.44275	6.75611	7.44871	6.8731	7.85064	7.65794	6.75934	6.72233	7.64555	6.93183	6.71555
MTMR3	5.75337	6.01401	5.94368	5.77151	5.76467	6.10535	5.77073	6.3057	5.46187	5.39292	5.83395	5.70279	6.2985	5.58056	6.16601	5.34684
MTMR4	7.78582	8.12887	7.94931	8.06823	8.75771	8.30977	9.36926	8.31881	8.06728	8.10743	8.07912	7.8419	8.07098	8.1411	9.18918	9.07296
MTMR6	7.75483	7.91731	8.26535	7.61117	8.22559	7.65455	8.09594	7.82179	7.91603	7.96758	8.35203	6.8226	7.40819	7.67171	8.00403	7.98398
MTMR7	3.77246	2.9557	3.35726	4.13803	4.49959	3.38208	3.46403	5.37108	4.48242	4.37886	4.21327	5.17376	4.4703	4.3412	4.91247	4.18559
MTMR9	8.28007	8.04288	8.32213	7.75767	7.47068	8.26602	8.68521	8.40426	7.82748	8.19193	7.73397	7.55589	7.57624	7.86066	7.8922	7.85734
MTMR9L	4.03667	3.49845	3.78872	3.32655	3.49352	3.74062	2.85325	3.87655	4.02891	3.78894	4.72757	3.24368	3.0133	3.57207	3.64889	3.95837
MTNR1A	1.44194	2.34474	1.52785	1.85049	1.88842	1.59197	2.31492	2.70064	2.67969	1.43866	2.13586	2.48941	2.07729	1.59381	2.00801	1.92725
MTNR1B	3.44273	2.10562	3.11137	1.80217	2.73769	1.995	2.90726	2.70064	2.88086	2.91059	4.52735	4.82852	3.00618	1.92414	2.10058	2.53538
MTO1	7.04241	7.29931	7.57059	7.42208	7.50856	7.3755	7.70099	7.79666	7.37333	7.4416	7.34801	7.09664	7.28879	7.2935	7.39156	7.32518
MTOR	5.58559	5.15336	4.78069	4.47464	4.39048	4.88213	5.47492	5.32709	5.08694	4.37824	5.51577	4.31702	4.85246	4.49656	4.37306	5.85731
MTPAP	6.20735	6.55182	6.70089	6.89966	7.02035	6.7905	6.93102	6.25446	6.84027	5.75684	7.14896	6.60229	7.46613	6.42136	6.80489	7.37885
MTPN	4.48312	2.72769	4.41429	3.5907	3.16569	3.8966	2.75954	4.07245	5.19903	3.8429	2.79035	4.29394	3.57524	4.58025	3.18863	4.43638
MTR	7.4726	7.60227	8.29921	7.98398	8.36471	7.87675	8.2838	8.27148	8.31327	8.21298	7.69278	7.5808	8.12286	7.8419	8.51853	8.02303
MTRF1	4.75008	5.60498	3.68528	5.69299	5.66107	5.27776	5.24336	5.67796	5.32145	4.43729	5.68446	3.63964	5.42087	5.66879	5.42868	4.98248
MTRF1L	6.13374	6.76898	6.78596	6.50752	6.70196	6.95554	7.50595	7.87124	6.3827	6.08798	6.81668	6.26604	6.86735	6.92547	6.91433	6.8966
MTRR	5.86281	6.3419	6.80229	6.27603	7.17711	6.79447	7.57964	7.65419	7.53069	6.7883	7.13673	6.81827	7.88036	7.25662	7.38139	7.04973
MTSS1	6.25794	6.25838	5.16886	5.56822	5.28201	5.52936	6.50219	5.65385	5.50576	5.87573	5.82012	5.24384	4.66973	5.85107	6.00481	6.23481
MTSS1L	3.27151	3.29459	3.2376	3.79752	4.02201	4.15496	3.87671	4.16905	4.09979	3.1965	4.24238	3.3448	3.32841	2.98792	3.33505	4.45956
MTTP	1.92303	3.12278	3.28947	2.85497	6.06808	2.36638	2.81469	3.50531	3.02333	2.04282	3.85459	2.2743	2.04398	2.09344	3.00483	4.73841
MTURN	5.22934	3.62493	4.20957	4.8012	4.60034	4.13895	5.0069	3.18189	3.91753	5.57874	3.76017	4.27418	5.05202	4.17457	4.4524	5.81369
MTUS1	6.50096	6.32017	6.91137	5.31988	5.88826	5.89071	7.13144	5.4439	6.52859	6.20565	6.15126	5.73188	5.46829	5.89665	5.64797	5.75961
MTUS2	4.28228	4.76519	4.45311	4.15112	4.08953	3.94495	4.47514	5.26322	4.82307	5.64784	3.82408	5.38902	4.33389	4.27794	4.05184	4.00997
MTUS2-A	6.56853	7.00506	6.81937	6.84156	6.75582	6.90246	6.59019	7.4092	6.44783	6.93134	6.52829	7.27445	6.46984	7.39759	6.86587	6.6491
MTX1	8.34839	8.36732	7.81677	8.00862	7.50118	7.96038	8.12509	7.71299	8.27971	7.98571	8.30207	8.58224	8.77496	8.64502	7.71341	8.37069
MTX2	8.74249	8.64201	8.87472	8.97179	9.4469	9.21806	9.51497	9.21392	8.85868	8.90524	9.14736	8.54913	9.45255	9.35952	9.7568	9.83745

MTX3	7.8419	7.77339	7.9785	7.80696	7.54165	7.87786	8.22515	7.96702	7.87161	7.45606	7.56462	7.54137	7.32333	7.7715	7.79551	7.73791
MUC1	8.91763	8.4383	8.04247	7.03719	5.8635	6.3778	6.1024	6.82297	7.80198	8.17509	7.78548	7.08431	6.36055	6.1809	5.82822	6.78398
MUC12	3.21462	3.88835	3.41248	4.07376	3.85318	2.68987	3.3753	2.84967	3.0133	3.391	3.38208	2.8556	3.74062	3.38887	3.2495	3.88943
MUC13	7.86242	7.68874	7.18699	6.71173	6.16097	6.47731	6.39148	5.89565	7.59516	6.53093	5.42436	6.52564	6.19499	7.17667	6.05873	6.16037
MUC15	8.35355	7.3713	5.20037	7.11194	7.65029	3.63421	6.75154	7.51679	5.86223	5.60769	5.82886	4.56273	2.67567	8.68785	6.55737	3.46884
MUC16	10.2628	8.09011	6.86006	7.34276	3.38334	2.39513	1.54854	2.81438	7.10881	7.75071	1.59488	2.48941	2.13674	2.44811	1.35876	2.10224
MUC17	6.10692	6.55916	6.60204	6.39062	6.16296	6.43493	6.25872	6.35718	4.14967	4.51886	6.3643	6.16168	6.36829	6.38582	6.24852	6.57513
MUC19	6.0156	5.57353	5.38359	6.05136	9.23091	7.57258	6.61966	7.16026	6.34176	6.80229	5.039	6.53641	7.12575	8.03276	8.33807	6.25628
MUC2	7.64164	6.15674	5.32297	6.24231	3.0533	5.45089	5.23969	3.73495	5.86136	5.72202	4.14261	6.30331	5.94952	6.40786	5.52397	5.98353
MUC20	7.21997	6.38374	5.84879	6.1716	5.28882	5.26074	6.11109	5.08461	6.18222	6.45247	5.87597	5.10351	6.59605	5.01906	5.2242	6.21656
MUC3	6.07925	5.57261	6.79262	6.57211	5.64985	6.82429	5.62147	6.66994	6.81917	6.88372	6.72122	7.01539	6.12646	5.61352	5.76497	5.37506
MUC3B	5.20337	5.36727	5.7148	4.709	4.73504	5.19098	4.84205	4.91737	4.98524	5.08822	4.61897	5.12561	5.11285	5.04924	4.38512	5.35044
MUC4	8.94713	8.11898	7.93484	6.90744	5.82908	6.1103	5.60636	5.95902	6.77343	5.72084	6.76871	6.14288	5.23942	5.593	5.02973	6.37512
MUC5AC	9.57255	8.18597	8.14326	6.88319	5.47426	5.83219	6.06212	6.08239	7.10858	6.41685	4.8012	7.24036	4.54782	6.93789	5.79356	4.86961
MUC5B	6.63165	6.01504	5.18222	5.12426	4.57882	3.36807	4.44294	3.7572	5.19361	8.07378	4.35335	5.15599	3.22192	2.90046	3.73269	4.40984
MUC6	3.20201	2.12186	2.26589	2.75974	1.62819	2.08688	1.59204	1.89001	2.23579	2.29205	2.3531	1.78726	2.38522	2.03596	1.87023	3.09819
MUC7	5.05998	3.61388	4.28848	4.53976	3.89582	4.34233	4.16395	4.60566	5.01713	9.31854	3.90216	4.28687	3.94226	4.21622	3.78772	4.41044
MUC8	4.03892	3.45942	4.07003	3.66155	3.56319	4.65072	4.2061	3.64739	4.27206	3.59956	3.65448	4.45408	3.75304	3.65559	3.79752	4.27479
MUCL1	8.61743	6.79262	5.33567	5.61264	6.84737	5.51524	6.75374	7.2775	6.20242	5.95827	6.30364	3.53998	8.02382	4.78915	3.86469	5.91451
MUL1	7.36492	6.57865	6.4651	6.35401	6.45198	6.39462	6.58582	4.83606	7.20429	7.3118	7.47602	8.05785	6.68175	7.0853	7.39338	6.92997
MUM1	7.86096	7.40862	7.66915	7.61253	7.82655	7.76799	7.62734	7.38822	7.65557	7.68379	6.73353	8.31293	7.18675	7.363	7.55108	7.61431
MUM1L1	1.26457	3.61956	2.21086	3.83907	2.65839	0.67532	5.9041	3.0093	2.50218	2.34717	3.05202	3.80634	0.86502	1.78331	4.67557	2.67577
MURC	1.70087	2.63607	3.7147	4.42997	2.73769	5.79691	4.9822	5.95144	4.46077	4.97382	4.02808	2.6814	4.74517	4.369	4.89253	4.389
MUS81	8.00126	7.95464	8.22892	7.93468	8.10488	8.30045	7.60727	7.81285	8.58419	7.71541	8.0655	8.61941	7.66933	8.08135	7.93534	7.78404
MUSK	3.14193	4.42968	4.03747	2.9809	3.57258	3.02707	3.49996	4.13729	3.32134	3.47163	4.01542	4.48961	3.31059	3.50784	4.53215	3.85815
MUT	9.04668	8.35397	8.60967	8.58123	8.71164	8.22674	8.12039	8.31214	8.75835	9.05769	8.04821	8.08932	8.94422	8.58419	8.71319	8.88693
MUTYH	7.72267	7.57624	7.13134	7.00819	7.371	7.97557	7.34016	8.34898	7.66076	7.36632	7.16146	8.87092	8.11253	8.36471	7.49279	7.86622
MVB12A	3.47335	5.77073	4.88716	3.988	6.19642	4.87602	3.90378	1.83717	3.5256	4.83052	5.89728	6.38607	5.70986	7.10858	4.25827	5.78145
MVB12B	5.23459	4.91623	5.30191	5.08873	5.22203	5.59977	5.49125	5.13064	6.22582	4.56179	5.7454	5.36051	5.10864	5.1134	5.10708	5.26588
MVD	2.44059	2.49227	1.62051	1.73098	1.93871	2.34348	1.68451	2.2672	1.76451	2.19868	2.24458	2.55562	1.41985	1.78331	1.61881	2.51437
MVK	6.18497	6.44728	6.26366	5.90911	6.12821	6.69937	6.75235	6.09528	6.22635	6.56131	5.92381	6.58737	6.32249	6.6685	6.13169	6.14347
MVP	8.0442	7.88522	7.45812	7.50077	6.56076	7.56639	7.04806	6.76563	7.71129	6.67304	7.94351	8.24826	7.12996	7.86279	7.05651	6.70042
MX1	8.06218	7.51504	8.8583	7.56344	8.16348	7.38342	8.63591	9.61651	8.92473	7.43817	9.03003	8.9255	8.80081	8.52275	8.76627	8.03799
MX2	7.74945	8.64669	8.91642	8.1649	8.71787	8.08396	9.4407	10.2771	8.90397	7.91133	8.90586	8.00027	8.28569	8.24153	8.75771	8.49504
MXD1	6.01722	6.01124	6.12507	5.77662	5.95444	5.65707	6.62173	6.43077	5.95336	5.65432	6.96543	5.61104	5.82933	5.81858	5.81578	6.30374

MXD3	3.97	3.80592	3.85298	3.56531	3.9949	3.99153	4.50617	4.66254	3.99376	4.02075	4.04026	4.55254	4.77152	4.4695	3.9523	4.32644
MXI1	8.00005	8.32089	7.97399	8.06385	8.10488	8.34053	7.28271	7.46636	8.20866	9.24021	7.60382	8.25013	8.77063	8.70235	8.36471	8.41134
MXRA5	8.92819	8.98061	9.57352	8.55961	9.15245	10.2398	8.00617	10.2039	8.95876	9.91866	8.53909	10.4778	9.33951	8.61036	9.94907	9.36057
MXRA7	5.8864	6.64301	5.7789	5.9804	6.69768	7.19814	6.30993	5.87779	5.22091	7.23328	5.43894	6.32898	5.64797	5.87779	7.34834	5.1356
MXRA8	7.1569	7.29055	7.05409	6.87988	6.70681	6.88035	5.54772	7.25795	6.98972	7.15958	6.64314	7.17933	6.64145	6.71599	7.25924	6.9933
MYADM	7.8222	6.47587	8.21756	8.02537	5.8278	7.72596	6.68041	7.31697	7.58738	9.20892	8.43886	7.41093	6.69306	6.89264	7.17072	6.68773
MYADM	2.98506	3.91554	4.42144	3.90548	2.97095	4.1494	2.88209	4.26669	4.38384	4.13002	5.0109	4.18135	2.75699	4.86667	3.20278	3.84496
MYB	6.96875	6.03295	6.21586	6.34126	7.32054	7.37944	6.19045	5.84093	6.6161	4.64846	6.72244	6.70089	7.76686	5.00335	6.53593	7.00489
MYBBP1	5.10912	5.38359	6.0605	5.41316	5.69738	5.34036	5.54686	5.55057	5.96245	5.42389	6.01651	6.65275	5.68373	6.36226	6.22861	6.18966
MYBL1	4.97582	5.08913	4.50434	4.72297	5.62311	4.70017	5.07385	6.19241	5.34161	5.35145	4.93968	4.88575	4.72596	4.05776	5.27518	4.84933
MYBL2	3.79639	4.23261	3.88236	4.02962	4.28892	4.44653	3.50564	4.25669	4.2251	3.47656	6.91842	4.37137	6.23514	6.06571	4.56108	6.68871
MYBPC1	6.68799	8.60718	8.66327	7.45494	10.1401	5.28652	11.7733	6.44906	11.0741	7.55817	3.16885	7.51793	5.34576	11.4058	6.66911	11.2558
MYBPC2	5.51577	6.32945	6.16461	5.92025	8.25013	6.09093	6.02667	6.50736	6.27896	6.23931	5.61441	6.83262	6.41164	6.35027	6.31947	6.69189
MYBPC3	4.76359	6.56017	4.88397	5.81025	6.11232	5.45803	6.98769	6.46837	6.61013	6.43506	5.26563	6.74311	5.43241	5.51676	5.24846	6.16781
MYBPH	3.52524	2.46272	3.45525	2.93958	3.55491	3.6144	3.57168	3.02948	2.86093	3.60777	3.3159	3.91935	3.23246	3.27909	3.08134	5.29354
MYC	6.8334	6.04156	6.53878	6.33814	7.26997	6.65283	5.14682	6.78728	6.35595	6.55926	7.18753	7.47423	7.52821	6.7678	6.40904	7.49844
MYCBP2	7.43691	7.77756	7.73837	7.2582	7.14091	7.82261	7.81636	7.86174	8.14808	7.72559	7.49393	7.54351	7.00737	7.31389	7.24802	7.44463
MYCBPA	4.76666	2.56188	3.03403	3.64082	2.46174	3.16569	4.58951	3.24748	2.91172	2.82083	4.0032	3.42972	3.67214	3.13781	2.92162	3.09709
MYCL	7.059	6.85943	6.32189	6.97754	7.10271	6.57832	7.67333	6.53612	6.95926	5.7207	6.52323	6.85454	6.33407	6.72335	7.78616	7.04666
MYCN	4.55201	3.96928	4.62733	4.00266	5.24336	5.05252	5.62092	4.23119	4.78612	5.21013	4.88552	4.89098	4.60364	5.31915	5.21321	4.64244
MYCNOS	3.68505	3.49845	3.16104	3.79373	3.33505	3.39559	3.49845	2.93958	4.32841	3.72958	3.59587	2.4777	4.00224	3.66785	3.69203	2.89621
MYCT1	5.03802	5.69563	5.7151	5.88006	5.63564	5.49864	5.45997	5.84835	5.92895	6.44232	5.39676	5.03997	6.03276	4.24019	4.2476	6.39389
MYD88	9.17731	9.73676	9.52199	9.5648	9.32986	9.52795	9.46719	10.6118	9.85721	9.13151	10.032	9.09551	9.61231	9.00505	9.67513	9.80078
MYEF2	5.50235	4.90711	4.26639	4.56615	4.82081	3.77058	3.93262	4.0846	4.47779	4.80793	4.00429	4.2307	4.93653	3.13607	6.05663	3.38774
MYEOV	5.63823	6.47918	6.75013	5.98578	6.04735	5.97782	6.24397	6.34587	6.93431	7.90074	7.01348	5.06679	5.98777	6.62241	6.43274	6.48673
MYEOV2	8.26381	8.35965	7.85776	8.22263	7.65647	8.44366	8.10362	8.24674	8.30659	8.11278	8.11278	8.07912	8.77929	8.07963	8.00595	8.10655
MYF5	5.36009	1.44837	3.45525	5.26197	3.64173	4.57551	4.71726	4.88503	4.27526	5.51424	4.65546	4.60294	5.24948	4.78265	4.63704	4.36849
MYF6	7.34035	6.38496	7.07251	6.91261	6.33978	6.80782	7.05363	7.86992	6.76925	7.20671	7.03367	7.29401	7.4124	7.276	7.29172	7.17193
MYH1	3.11441	4.48472	3.69741	3.28542	3.57987	3.18781	3.73393	4.59647	2.47145	4.83738	2.75175	3.74466	3.69964	3.92481	2.23945	4.92092
MYH10	7.15193	6.91606	7.33768	7.15566	7.22787	7.34693	6.35963	6.96469	6.56066	7.03026	6.56519	7.32622	6.5777	6.95299	7.62329	6.5278
MYH11	4.81469	4.48075	5.29878	4.86016	4.90633	4.9277	5.19496	5.38601	4.28253	6.4501	4.83468	4.61897	3.99858	4.58508	4.56273	4.86845
MYH13	2.21029	3.51602	2.04684	2.22193	2.02496	2.03544	2.15094	2.46648	2.5663	1.96807	2.21379	2.13113	2.17097	2.62575	2.21248	2.45954
MYH14	6.38374	5.1106	5.27065	4.67969	4.59407	5.28144	6.38874	4.9904	5.87972	5.59779	5.03349	4.66774	4.71149	5.35761	5.16123	4.69958
MYH15	5.85355	6.56664	6.10848	6.33989	4.95776	6.01899	6.8272	6.72244	6.33819	6.1908	5.99025	6.85248	6.21697	6.57908	5.66719	6.2051
MYH16	2.88015	2.26456	2.85145	2.58828	2.81309	2.67969	2.61298	2.23712	2.92006	3.25068	2.56627	3.10037	3.50584	3.14828	3.08134	2.31622

MYH2	6.14011	6.74684	6.54672	6.08539	6.12852	5.37627	6.88475	6.52418	6.44361	8.3093	6.64131	5.75224	6.81597	6.41941	6.07014	6.89348
MYH3	4.0831	4.65407	4.44205	5.36331	6.28062	5.74089	4.20319	5.17376	3.44034	4.44111	5.0985	6.27203	3.58948	3.12884	5.66269	5.22506
MYH4	3.85425	3.65681	3.64717	4.60376	5.66533	3.11933	4.07312	5.5188	2.83517	4.18447	3.50469	3.99715	3.64142	3.3814	3.18863	3.82034
MYH6	2.83473	3.52573	3.49445	3.42644	2.65839	3.82218	4.63503	2.75656	3.40648	4.72103	6.14853	4.15353	3.61424	5.15309	3.43307	3.23061
MYH7	5.90026	5.21546	6.00638	5.4746	5.23021	5.73754	5.80714	5.02351	5.41662	6.31502	5.38244	5.27702	4.75769	5.91118	5.03876	5.94145
MYH7B	3.64514	3.47705	3.70947	3.89015	4.58796	3.71651	4.08804	4.20427	3.75928	4.38909	3.74573	4.56123	3.66155	4.0795	3.80054	4.14906
MYH8	4.6393	5.01151	4.91999	5.02586	5.27924	4.80084	5.21162	5.91684	5.50408	5.47252	4.81112	4.86961	4.97582	5.16289	4.46856	5.23337
MYH9	7.11182	6.59208	7.49082	6.8966	6.84273	7.33828	7.03614	7.58232	7.48729	7.38042	7.70612	7.19537	7.29217	7.00363	7.32228	7.00147
MYL1	3.16429	3.34445	3.81385	3.39777	3.07162	3.8659	3.14316	3.50531	2.81157	4.92142	4.03549	3.41704	4.70357	3.58891	4.16718	3.87671
MYL10	6.87781	6.65166	7.10804	6.46341	6.59764	6.8177	6.44212	6.80489	7.13535	5.92277	6.3681	7.06607	6.33219	6.8502	6.71017	7.53993
MYL12A	5.86584	6.08828	5.69118	6.57993	6.17384	5.4513	5.83128	6.56051	5.91054	5.73281	6.72205	6.90659	5.79691	6.09425	5.89914	6.37629
MYL12B	12.1308	12.0385	12.2011	12.0258	12.1489	11.9171	11.9321	12.2974	12.1851	11.741	11.9903	11.565	11.8866	12.0147	12.1308	11.9991
MYL2	1.74742	3.07762	2.68367	1.96731	2.87786	2.58692	2.96225	3.49069	4.97647	2.69205	2.95531	2.99228	3.14193	2.13594	3.4529	2.94176
MYL3	4.22576	4.35031	4.2003	3.86957	4.29721	4.49442	4.07312	4.51886	4.5431	3.63896	4.51064	4.82307	6.41023	4.91553	3.80377	4.71235
MYL4	5.85266	5.89104	6.15232	5.77447	5.66376	6.08163	5.77863	6.08001	5.84764	5.88764	5.64095	5.78092	5.67169	5.57083	6.08039	5.5131
MYL5	6.93357	5.99556	5.84439	6.92489	7.19145	7.1198	6.62245	7.47244	6.48855	6.74311	6.54014	7.58542	7.90347	7.50118	6.61041	6.82429
MYL6	9.9611	9.34754	9.50261	9.4407	9.12237	9.43176	8.9537	8.74347	9.62902	9.81371	8.88182	9.46135	9.31733	9.04557	8.22001	9.41517
MYL6B	8.00376	8.56923	6.99434	8.35803	8.54257	9.07296	9.05286	9.07924	8.5744	7.88862	8.65511	9.29927	9.69136	9.28266	8.8365	9.11184
MYL7	5.01394	4.30232	4.78468	3.17801	5.50313	4.69801	4.78492	5.60468	5.13985	4.21305	5.0536	4.4643	5.69421	4.61514	4.82547	3.61186
MYL9	3.21664	3.64338	4.54782	3.76474	3.23291	4.22209	3.09384	4.26048	4.73386	4.72807	2.96145	5.4497	3.36807	3.44131	4.55333	3.0807
MYLIP	6.70707	6.35153	7.131	7.16464	6.87459	7.32054	6.91249	6.49499	7.29787	6.94016	6.26293	7.01656	5.65461	6.53856	6.8179	6.41224
MYLK	5.0014	4.89951	5.37344	4.52222	5.23928	5.97649	4.29049	5.07693	4.46375	6.55527	5.26342	5.67467	4.65137	4.98125	5.16028	5.45866
MYLK-A	5.59032	6.26547	3.56906	6.21818	5.62849	5.50567	5.58083	6.04226	5.05288	5.25952	5.1842	6.47623	4.91397	5.54064	4.36887	5.08786
MYLK2	4.89528	4.08875	4.54034	5.11677	4.07562	4.73879	4.44493	5.10351	4.36917	4.86372	3.73917	4.6265	5.55954	4.3596	4.18506	4.41688
MYLK3	4.65395	4.81772	5.46637	5.30847	4.62463	5.18175	5.0651	5.32848	4.2296	4.63606	5.33762	4.95231	4.43996	4.69665	4.61302	5.03667
MYLK4	5.93911	5.00736	5.59067	6.43709	5.01537	4.64753	6.06196	5.90353	5.23355	5.05781	5.66638	5.39073	6.74255	5.13206	4.91676	5.86136
MYLPF	4.70625	4.80261	4.37426	3.85758	4.53186	4.56925	3.99724	2.95859	2.13825	6.5239	2.04035	4.95423	3.44604	2.28524	3.4529	3.94585
MYNN	5.69831	5.23355	5.0052	5.70764	6.47754	5.57221	6.1584	5.12587	5.54788	5.03935	5.76009	5.45472	6.20265	5.83271	6.1757	6.39231
MYO10	6.13292	5.68203	5.62765	5.5459	5.98304	6.62601	7.63257	5.63887	5.75554	5.89295	6.09755	5.4303	6.63908	6.59438	5.97487	6.00325
MYO15A	7.16815	6.56098	7.03653	6.69688	6.11725	6.83848	6.67837	6.68677	6.43637	6.49415	6.06012	6.45737	6.42124	6.77286	6.75488	6.81862
MYO15B	6.16456	5.52455	5.59184	4.84626	5.27137	4.88552	5.11999	5.18154	5.80388	5.79553	5.41855	6.46401	4.32423	4.21672	5.08	4.73386
MYO16	3.67633	5.41358	4.4394	4.92903	5.22765	5.09394	6.37201	4.74067	4.98389	5.88196	4.82547	4.37665	5.27065	6.17098	5.40619	4.96105
MYO18B	5.54131	3.50584	5.05836	5.72983	6.1833	2.03544	4.68519	5.9856	5.26316	5.31895	5.55777	3.83791	4.14977	4.2645	5.91325	5.58889
MYO19	6.88409	6.77043	7.27843	6.8226	6.98711	6.91674	7.5326	6.74201	7.25345	6.88109	6.50774	7.49325	7.16995	6.83168	6.83139	7.19373
MYO1A	5.36418	3.24563	3.86957	2.85497	4.82316	4.81617	5.29949	5.32985	5.70877	5.22455	5.0536	3.42733	3.91647	6.18909	5.25726	3.26138

MYO1B	6.84053	5.99084	6.24286	5.8431	7.17913	7.08897	7.00009	6.77476	6.40964	7.22146	7.25999	6.38973	6.53205	7.08123	7.31863	6.54916
MYO1C	7.85197	6.91735	7.3395	6.89348	6.22736	7.02199	6.92124	6.69845	6.68395	8.29176	7.43254	7.03457	6.94031	7.72559	6.8869	6.83112
MYO1D	6.04631	5.75467	6.04417	6.25466	4.54463	5.37493	5.55283	3.7297	5.43485	6.45355	5.75322	5.66468	3.9922	4.65655	5.18461	5.27864
MYO1E	7.64985	7.25599	7.21707	6.89281	6.90891	7.17844	7.30374	6.79149	7.18221	7.46566	6.76788	7.08988	6.65003	7.27694	6.63787	6.88181
MYO1F	7.84521	8.42037	8.55623	7.9765	7.37885	7.93196	7.47187	8.09011	8.9415	7.87143	9.25462	8.89125	8.37315	7.60958	7.6386	8.00595
MYO1G	5.03715	6.1126	5.40826	6.07804	4.61957	5.10912	5.60986	5.26248	5.66548	4.53056	7.06965	7.013	4.41614	4.8564	5.27276	4.77035
MYO1H	5.00904	2.67513	3.78517	4.09184	3.50802	4.45264	4.25043	4.41679	4.65881	5.84343	5.31194	4.58543	5.1616	5.14368	5.58438	4.55047
MYO3A	3.64825	4.35267	5.0694	2.97887	4.60801	4.03261	4.50487	4.62733	4.51664	3.45182	4.6793	4.20135	4.51847	4.52039	4.17832	4.91313
MYO3B	3.88075	2.92647	3.06886	4.35917	5.59367	3.68155	5.42977	3.00416	4.52549	4.19674	4.02201	3.57447	5.41227	5.30496	5.33762	3.8488
MYO5A	4.23643	5.40272	4.31542	4.99475	4.75492	5.45006	4.56634	5.16345	5.08724	4.77676	5.88405	5.23146	5.20662	4.32214	4.9748	4.85291
MYO5B	5.84395	6.13777	5.52109	5.68251	6.2126	5.45997	6.0728	5.91112	5.50496	6.54427	4.92195	5.1686	5.03997	5.79816	5.316	4.9553
MYO5C	10.4698	9.55838	9.0096	9.41817	8.71679	8.34622	9.21192	9.1851	8.23685	9.84851	7.36413	7.67766	8.64692	8.8861	8.26506	9.45518
MYO6	7.4644	7.50324	6.17202	7.3332	7.37234	7.53886	8.86457	7.66135	7.50734	6.57211	6.0743	7.11639	6.74871	7.80515	6.73391	8.04821
MYO7A	4.61007	5.46484	5.60374	5.02733	4.9467	5.27822	5.19435	5.76151	5.80945	5.28554	5.32756	5.15653	5.07971	5.37568	5.00891	5.13789
MYO7B	3.69873	4.19503	3.96768	3.98362	3.47481	3.56531	3.79752	4.18908	3.9262	3.66032	4.09014	4.21402	3.65286	3.5358	3.52546	3.64066
MYO9A	5.46171	5.55274	5.79626	5.19303	5.44093	5.81801	4.94079	5.09234	5.9294	6.18966	5.69269	5.37219	4.38855	4.54145	5.28765	5.09584
MYO9B	5.14562	6.45915	6.46075	5.7102	6.18773	5.81147	5.94472	6.69916	6.85882	5.55993	6.30759	6.58645	6.19114	6.15028	6.37481	5.08995
MYOC	6.74201	6.35534	6.19499	6.28284	5.82817	6.47506	4.73125	6.5296	5.63045	7.93234	4.22425	7.02908	6.57527	5.27844	6.52891	7.17165
MYOCD	4.07003	5.30604	5.31438	4.96626	5.11309	5.49192	4.19646	5.07091	4.17154	5.40071	4.51349	4.40873	5.30292	4.44564	4.4227	4.70017
MYOD1	2.79297	2.79266	3.09945	2.67969	3.46884	2.86136	2.78886	4.28482	3.2065	2.95492	4.28288	3.23711	4.19674	3.0362	3.56833	2.59102
MYOF	7.58161	7.51249	7.4066	5.9914	5.65342	4.59609	5.59206	4.1683	5.50313	7.46816	7.7121	4.84587	4.66241	4.73809	5.42221	6.11077
MYOG	2.81334	2.70876	2.89422	2.61385	2.97095	2.81599	2.83966	1.99703	2.76258	2.19868	2.68367	2.79123	2.90755	2.91144	2.72952	3.07505
MYOM1	4.93295	3.33539	3.48538	3.35104	3.9949	3.6144	2.8619	2.70064	4.23358	5.12105	1.7041	2.46803	2.62575	2.59761	3.36098	3.80262
MYOM2	8.3014	7.2235	6.74515	7.26549	7.66395	7.09292	6.076	6.85136	6.34863	7.06255	6.56491	5.68436	6.91856	8.17818	7.17176	5.43189
MYOM3	5.86038	7.12575	6.83558	6.42868	6.8481	6.5982	7.28682	6.14076	6.45276	6.07413	6.81648	5.96999	5.52677	5.94746	6.27847	6.72689
MYOT	2.47437	2.34474	3.55141	4.56912	4.47624	1.19537	2.20014	2.07548	2.35886	5.90474	3.47644	2.79123	4.8922	4.11853	2.14289	2.49784
MYOZ1	3.72099	4.25266	5.8237	4.18478	5.0579	4.0466	5.03767	5.86803	6.64819	4.20362	6.00149	6.89843	4.20792	3.85416	6.30069	6.09299
MYOZ2	3.39891	2.47535	3.51074	3.51301	4.49847	2.97958	3.6301	3.72627	3.32016	3.83495	4.27689	2.98217	2.99228	2.81121	2.86054	3.70908
MYOZ3	4.97871	4.97018	4.52704	5.14507	5.17818	5.07767	5.44274	5.16289	4.84882	4.33877	5.39815	4.99883	5.09798	5.21013	5.32123	5.6892
MYPN	4.20074	6.39101	6.28459	6.23179	5.9817	5.46179	6.79271	6.10228	6.11334	7.03789	5.86031	6.72174	6.55112	4.58025	5.85731	5.17323
MYPOP	5.33339	3.54594	5.18819	4.42279	4.70279	6.11708	2.73211	5.82855	6.78897	5.55753	6.54757	6.07655	6.02794	4.86024	5.74014	5.08387
MYRF	5.43004	4.57882	4.48323	4.79283	4.58697	4.42002	4.0197	4.53287	4.99931	4.56336	4.65281	4.82081	4.68191	4.62482	4.97556	4.33027
MYRFL	3.86261	4.23261	5.55283	4.51263	5.46952	4.0466	3.90378	4.46162	3.29007	3.94629	3.80377	3.69374	4.46842	4.04773	3.9523	4.41123
MYRIP	5.66789	5.69545	5.09271	5.90923	4.92803	5.26722	5.09969	4.38512	5.77556	5.3795	4.26564	5.2261	3.80004	4.43432	5.18766	6.05999
MYSM1	5.5705	5.29608	5.50277	5.44182	5.6866	5.83661	5.49578	4.3777	4.96208	5.82161	5.34879	5.35185	4.90711	5.75236	6.15488	5.90037

MYT1	5.17761	6.10744	5.92913	6.32848	5.38391	5.04401	5.59515	5.49356	5.51869	4.74959	5.23108	5.44809	6.18713	6.17811	5.45724	5.582
MYT1L	2.38894	2.68229	1.91706	2.97713	3.8954	2.26589	2.71638	2.97095	2.01139	3.45352	3.22893	2.56421	3.837	2.69304	3.07245	2.72354
MYZAP	7.72752	8.15007	7.79159	7.71725	7.31673	7.84101	8.17934	8.19619	6.8319	7.61312	7.94787	7.48929	6.95968	8.5744	6.90016	7.17515
MZB1	6.9948	10.1021	10.9946	9.78173	5.69246	9.04808	5.12344	8.60597	9.89582	9.93225	7.13935	11.2075	6.89374	8.81561	8.51477	5.17275
MZF1	6.81917	6.38175	6.40021	6.2716	6.72785	6.80929	6.97383	6.31489	6.84787	6.91218	5.64923	7.23093	6.60175	6.9961	6.06824	6.4043
MZT1	5.0418	4.25098	4.08527	4.0977	5.7021	5.69813	5.363	4.18123	5.15653	4.90904	6.11415	3.24563	5.17184	5.86855	6.17911	6.25576
MZT2B	8.46562	8.33905	9.03229	7.75222	7.31278	8.71164	9.08964	8.52934	8.19393	8.6352	7.78755	7.87248	7.7845	8.09678	7.98398	7.92662
N4BP1	6.62245	6.3794	6.57468	6.05942	6.71962	6.621	7.20233	7.09188	7.10583	6.64693	7.3888	6.91643	6.40673	7.0576	6.92054	6.72182
N4BP2	7.09167	6.6695	7.29617	6.66367	6.77706	6.28755	5.768	5.39452	6.66134	6.73228	7.31233	6.31288	6.83297	6.47821	6.49429	6.83752
N4BP2L1	5.06568	5.89644	5.70755	5.60685	5.89619	5.49578	5.43048	6.08654	5.90772	5.87645	5.69663	5.44301	6.08113	5.65461	5.73398	6.14183
N4BP2L2	7.60563	7.46368	7.69724	7.0977	6.95968	7.62638	7.31799	7.72074	6.93472	7.36045	7.18981	6.39231	6.56324	7.00638	7.53221	7.56462
N4BP2L2	2.55807	2.10562	4.52824	3.5907	4.62927	2.69944	2.61298	2.93245	3.29007	3.15532	4.49355	2.69934	3.53101	5.11666	4.79462	2.88582
N4BP3	6.30873	6.27509	5.99847	6.44417	5.46952	6.43414	6.64619	6.50979	6.59019	6.92196	5.62708	6.40273	6.82399	6.33808	6.21493	6.37487
N6AMT1	4.06695	4.0197	4.68671	5.7854	4.47351	4.66602	3.69327	4.76681	4.23182	3.9636	4.68029	5.8784	5.02813	5.339	4.43979	4.73591
N6AMT2	7.30811	6.76746	6.74515	7.15042	7.43168	7.55668	7.01379	7.65477	7.59584	7.32554	7.42256	5.93682	7.61581	7.15825	7.14791	6.82429
NAA10	7.90236	8.64113	8.44366	8.34839	8.14651	8.70461	9.10108	8.9826	9.30096	8.26769	9.15554	9.42873	9.59094	8.74164	8.3093	8.82517
NAA11	2.37329	3.45279	1.97795	4.9537	2.89774	3.57327	4.05033	3.92749	3.6792	3.47656	4.05647	4.16718	4.95465	3.19708	3.99153	4.91623
NAA15	4.64341	4.33979	4.78274	5.33097	4.9771	4.77406	4.97	4.79719	4.87464	4.62974	5.36018	4.56179	5.37653	4.58668	4.92491	5.30292
NAA16	6.50885	5.91983	7.4767	5.90663	6.66307	7.68328	6.3346	6.27668	5.92734	7.26885	7.23443	6.48861	5.8191	6.98991	5.88826	7.44518
NAA20	9.35321	9.4267	9.30484	10.0123	9.30766	9.72612	9.49763	9.27873	9.23508	9.4359	9.70802	9.32902	9.29827	9.56145	9.26078	9.23642
NAA25	6.90439	6.40233	7.42635	6.78618	6.97901	7.1885	7.54102	6.53336	6.774	7.11147	6.95872	7.07983	6.64277	7.15152	7.03226	7.12749
NAA30	5.62901	4.98831	4.73125	4.15245	5.9554	4.53581	4.30301	4.7723	5.39933	5.16289	5.07767	4.23009	4.30792	4.93158	4.61987	5.24618
NAA35	6.4523	5.42284	6.55613	7.20266	5.8913	6.3496	6.41319	6.55313	6.59237	5.09342	6.8906	6.40207	6.56368	6.51929	6.5815	6.85158
NAA38	8.31415	8.66913	7.5063	8.27019	7.63257	8.31327	7.53361	7.51279	6.75786	7.81833	8.20591	8.92921	9.30484	8.76514	7.56597	8.17017
NAA40	7.16189	6.81029	6.55245	5.66305	6.91121	6.30419	6.0709	6.0322	6.57275	6.63063	6.81827	6.57811	6.66184	6.88215	7.08047	6.98295
NAA50	7.43906	7.98921	7.80888	7.64788	8.24425	7.80021	8.66327	8.44788	8.11563	8.01756	8.20021	7.32145	8.16518	8.39851	8.48891	8.55764
NAA60	7.53498	6.40279	6.84536	7.04863	7.33872	7.76765	7.69174	8.08932	8.12106	6.90283	7.58784	7.9954	7.71915	8.30594	7.62972	6.89851
NAAA	6.99189	6.84737	7.04754	6.54889	6.46249	6.4057	5.28666	6.1875	6.60444	6.61943	6.49605	6.83799	6.44554	5.8521	6.25707	6.05821
NAALAD	3.84597	3.43252	3.60881	3.16915	3.40102	3.41088	3.90646	3.22527	2.98839	4.60294	3.04679	3.63678	3.3722	3.73889	3.09158	3.08465
NAALAD	5.77903	5.72846	5.39264	6.21331	5.67859	6.11415	4.71449	5.40101	5.28592	5.54233	4.90419	5.22842	5.57613	5.76312	4.68646	5.72249
NAALAD	5.66575	2.56774	3.34445	4.09184	5.0419	5.66243	5.1554	6.24793	5.73855	5.31895	4.99175	3.88877	5.41867	5.8501	5.44837	2.79166
NAALAD	4.0196	4.22688	4.1682	3.50564	5.13175	3.27349	2.06028	4.59647	1.39887	3.73393	3.14656	5.04878	3.55868	3.8419	4.12102	5.08786
NAB1	5.71853	5.46739	5.52441	5.30419	6.17202	5.64797	5.17686	5.92567	4.94543	6.49706	6.50434	6.16976	6.24052	6.48629	6.39707	6.89231
NAB2	3.91544	3.55099	3.65902	3.94028	3.44713	3.5256	3.30026	3.49445	4.48738	3.45216	4.73008	3.21843	3.95124	4.12203	3.83791	3.68721
NABP1	6.99839	7.98508	8.16319	7.64555	8.08867	7.92358	6.83558	8.46182	8.42204	7.09732	9.03434	7.56995	8.15161	6.67217	7.83323	7.7273

NABP2	6.2767	5.58299	5.83943	4.88936	6.70889	6.22214	7.25041	7.05217	6.81987	6.01673	7.36016	6.69244	5.85032	6.37294	7.16903	6.69951
NACA	10.5619	10.6118	10.8383	10.8485	11.2822	11.063	10.8973	11.3355	10.7017	10.7755	10.2227	10.5826	10.8872	11.2154	10.908	10.8711
NACA2	4.54239	5.14382	4.27544	1.96731	4.79743	4.92674	3.45602	3.8281	3.45216	3.18735	4.90886	1.19537	1.89786	3.64454	4.06086	4.41123
NACAD	6.21501	3.3786	4.40922	4.11572	4.15744	5.83559	4.43758	4.41679	3.8429	6.51684	5.43545	5.14209	4.55949	3.55944	3.88656	3.63765
NACAP1	11.1909	10.7017	11.7815	10.5398	10.2804	11.088	11.5751	11.1818	11.3844	10.9946	10.0988	10.8755	10.0385	10.7062	10.6392	10.6607
NACC1	5.12561	4.94242	4.21435	3.05822	4.93889	5.21987	4.86142	5.81961	5.96676	4.99785	5.33725	5.53003	4.74294	5.88563	5.81537	5.86754
NACC2	5.61268	5.15309	5.07126	5.25952	5.60298	5.28081	5.1141	4.64211	5.53879	5.45055	6.26246	5.45949	5.13353	4.83353	5.69545	5.60339
NADK	6.81217	6.9017	7.44712	6.77897	6.47587	6.18679	6.41911	7.34444	7.28538	6.88386	6.47933	6.82575	6.53152	6.14076	6.8975	6.85308
NADK2	6.78789	7.22466	7.37585	7.14925	7.64368	7.13187	7.36632	7.46832	7.33872	7.38979	7.12611	7.08361	7.41725	6.91517	7.10108	7.25476
NADK2-A	2.98506	2.82798	3.86359	5.44738	4.62927	5.41634	2.56625	4.55949	5.3788	4.00197	2.45719	6.09694	4.78966	5.34843	5.50296	4.59949
NADSYN	6.46676	6.53673	6.33337	6.28229	6.26204	7.32857	6.30347	6.42868	6.70089	6.45718	6.9368	7.42409	6.65193	7.04564	6.76925	6.41038
NAE1	7.99903	8.75045	9.32902	8.95735	9.7968	9.1841	8.34712	8.82977	9.21483	9.47025	9.95833	8.70013	9.84118	9.00106	8.67187	9.40143
NAF1	6.76762	6.88208	6.3708	7.16742	8.05665	7.30878	7.8527	8.55896	7.52671	6.7154	7.3786	6.17373	7.69268	8.0442	7.3695	6.57712
NAG18	5.17376	5.40753	5.14196	4.54858	5.12089	4.11531	5.26618	5.9856	5.09372	5.94565	4.55446	5.29334	4.57269	5.63022	4.77313	5.01553
NAGA	7.84645	7.88396	7.30197	7.3755	7.3061	6.97241	5.96837	6.9948	7.87248	6.95816	7.86511	7.5111	7.1569	6.581	7.44712	7.04806
NAGK	7.83611	8.63028	8.7381	9.31398	8.02825	8.59839	8.08592	4.50182	8.22702	8.61511	9.3245	8.96715	8.21907	8.80651	7.83726	7.86813
NAGLU	6.88943	7.01235	7.17328	6.533	7.09664	6.28605	6.43268	6.77732	6.95188	7.19775	7.07893	7.33205	6.84551	6.86104	6.54284	6.87156
NAGPA	6.00298	6.18222	6.74268	6.32966	7.00326	6.74019	5.90764	6.80197	7.13775	5.74642	6.92944	7.90401	6.38629	7.08147	7.19234	6.72304
NAGS	6.22381	5.89038	3.40102	5.3392	4.63576	5.14737	4.6631	4.51886	3.25201	4.25792	4.13909	5.07091	4.57984	5.68401	5.36321	5.85506
NAIF1	5.54532	4.26443	3.66815	3.58662	5.30292	5.78176	5.26311	4.1339	4.389	5.72369	4.55271	3.81899	5.18024	4.65553	4.86793	4.82056
NAIP	5.07305	6.31279	5.9914	5.58885	5.91983	5.98188	4.54977	6.11735	6.30759	5.75589	6.85775	4.91131	6.01152	5.09531	5.30066	5.80309
NALCN	4.77676	4.84753	4.43347	5.06066	5.21721	3.7209	5.11766	5.16975	4.41214	4.43413	5.0671	4.88429	5.12101	4.4239	4.0197	4.85602
NALCN-A	5.31338	4.32699	5.16594	3.97955	4.9083	4.10435	3.91631	4.33496	4.06977	3.13394	3.8925	4.13105	3.47767	5.08968	4.77313	4.46917
NAMPT	6.35184	6.87509	7.08315	6.60626	6.83139	7.05087	7.03543	6.65613	7.3118	6.80929	8.08406	6.33337	7.13535	6.90081	7.40994	6.78945
NANOG	5.8361	4.39858	5.84601	4.24394	4.5349	3.84066	4.07882	4.65169	5.33971	3.94882	3.52249	4.31815	4.06234	3.95427	4.23277	3.45182
NANOS1	6.23752	5.66816	2.85145	6.1566	5.66533	6.47253	7.01379	5.96686	6.57174	7.01673	6.18038	5.50633	6.51043	7.63362	7.13821	4.67557
NANOS2	3.42813	5.63076	5.52519	6.31876	5.53088	5.47485	3.0573	5.92496	5.28311	5.53181	3.53424	5.75224	4.52811	5.40633	6.28952	5.88899
NANOS3	4.72201	2.61396	4.33416	2.58828	4.6615	3.40348	2.56625	4.21937	2.92006	5.5278	3.41787	3.75239	2.46016	3.24563	3.86469	3.1481
NANP	7.18769	7.60493	7.31545	7.29686	7.54095	6.97145	7.61612	7.14746	7.50832	7.64769	7.68134	6.62616	7.36361	7.0853	7.5326	6.8537
NANS	7.61077	6.26246	8.23129	7.63792	7.71422	7.38424	7.71993	7.16525	7.88149	8.1354	7.47714	7.51829	7.01074	7.30374	6.16524	7.44137
NAP1L1	9.24623	9.41655	9.29168	9.66727	10.0365	9.50129	10.0218	9.70802	9.65415	9.22652	9.35033	8.94422	9.51986	10.1711	10.1516	9.6978
NAP1L2	7.41281	7.13144	7.67881	8.04476	6.64301	8.24849	8.81403	6.22568	7.83054	7.94275	3.94748	7.48137	6.6127	6.63901	7.22511	5.92122
NAP1L3	6.37347	7.05016	7.10758	7.11449	7.05622	6.72093	6.69086	6.46387	6.69758	7.46163	5.6827	6.28238	6.60137	6.66563	7.32622	6.82429
NAP1L4	4.91768	4.74183	4.89326	4.73947	5.41438	4.96603	5.38939	4.70093	5.6046	5.04665	4.97988	5.21413	4.87924	5.2507	5.14439	5.01451
NAP1L5	6.59699	6.54712	6.89428	6.96067	6.64159	6.43533	6.87275	7.16903	7.42501	8.44288	6.58666	6.4202	6.65137	3.42644	7.00217	4.70148

NAPA	5.64227	5.12383	5.4188	5.82677	5.77447	4.43638	5.12864	4.124	5.66638	5.32123	6.52517	3.27983	3.8868	6.10275	5.03667	6.22315
NAPA-AS	5.31156	5.94119	5.32922	5.0875	5.14656	5.36392	5.39339	5.27941	5.89549	4.99197	4.67447	5.01642	3.78328	6.17652	5.41662	6.02426
NAPB	4.69519	5.96858	6.07188	6.07154	4.95002	5.54126	5.44903	5.87434	5.64485	6.2577	5.72249	4.39545	4.29414	6.59283	4.61181	5.63311
NAPEPLI	6.08798	6.27556	6.21697	5.38422	5.66269	6.45143	6.43147	5.99873	5.83128	6.38874	5.62606	5.68495	5.72497	6.10863	6.01546	6.22501
NAPG	6.34219	6.66684	6.91218	6.49155	7.29882	6.85331	7.54269	7.18404	6.79281	6.7566	7.07175	6.43998	6.81474	7.20155	7.08897	6.96616
NAPRT	7.55863	6.07446	6.39433	5.7106	5.99529	6.10352	6.75064	6.56131	6.13377	7.43124	7.29117	6.93537	6.62038	6.41313	6.21344	6.61479
NAPSA	7.29718	7.12889	7.31475	6.85804	6.73759	7.34287	6.44154	6.87168	7.42833	6.69975	6.16918	7.31952	7.08625	7.03506	6.96135	7.28781
NAPSB	7.8583	10.0778	7.98311	9.43005	8.30207	8.80376	4.87682	7.08637	8.09661	5.26828	6.79335	9.71027	6.67139	4.19177	7.94829	7.79463
NARF	7.97147	8.02662	8.22729	7.76334	8.87664	8.54009	8.89663	7.03429	8.17338	7.85877	8.396	8.20591	8.47942	8.33334	7.95894	8.17086
NARFL	7.47622	7.45547	7.39834	6.8268	6.72689	6.93247	7.06635	5.34019	7.64853	7.5305	7.25968	7.88283	7.60248	7.46963	6.38118	6.73759
NARS	11.4157	11.2756	11.2756	10.9503	11.7897	11.2756	11.8254	11.9903	11.565	11.2154	10.8711	10.5753	11.3155	11.9441	11.9698	11.4504
NARS2	7.62715	7.21753	6.85546	7.68134	8.31214	7.97399	7.1494	8.09717	7.23779	7.7642	7.41439	7.96389	7.5892	8.14205	7.04051	8.06777
NASP	7.8368	7.46327	7.77814	7.62671	8.21161	8.22616	8.24872	7.99279	7.98651	7.53288	8.39534	7.76876	8.08079	7.9021	8.02205	7.59995
NAT1	9.89394	9.2048	8.74907	9.57587	7.76581	9.03003	10.3074	9.7488	8.16058	7.76557	8.39449	7.05397	9.59537	8.42097	7.7281	8.50939
NAT10	8.66602	8.30225	8.29264	8.16729	9.5671	8.68396	8.42133	8.63124	9.17299	7.68857	8.79808	8.70602	8.16729	8.898	8.5825	8.60967
NAT14	8.25283	7.03779	5.39073	7.75627	6.82191	7.09188	4.71077	4.27613	5.52482	5.23533	5.51451	7.87824	6.76807	6.55263	5.63427	6.24469
NAT16	6.45975	5.48005	6.52429	6.20059	5.9192	5.95954	6.57567	6.35913	6.53457	5.86679	5.8734	6.08539	6.37201	6.2539	5.91457	6.01309
NAT2	2.83473	3.01952	3.07458	2.184	2.10233	2.51251	2.67152	3.31083	2.88086	3.29126	2.88166	2.56799	3.53101	2.88516	3.43307	2.94176
NAT6	3.23662	3.32466	2.91679	2.95827	3.2065	3.0658	2.81469	3.21508	3.00175	3.31009	3.53979	3.14285	3.34323	2.99448	3.18863	3.10689
NAT8B	4.58086	4.73879	5.3782	2.83422	4.77676	4.07245	4.98886	3.45352	1.53958	3.20323	5.40826	4.29394	5.14236	3.51712	2.16493	5.51195
NAT8L	5.77051	5.78799	5.69615	5.86223	6.16548	6.02526	6.00366	5.88301	6.04941	5.98373	5.80045	5.93713	5.68112	5.99946	5.96837	6.62636
NAT9	7.30197	7.33872	7.67881	7.18533	8.09246	7.75305	8.05165	7.27263	7.57891	7.78682	7.27283	8.45141	7.47334	8.05665	8.04887	7.90683
NATD1	7.75932	7.8368	7.85105	7.65208	7.29564	7.90618	7.6884	7.92948	7.26021	7.97085	6.83297	7.69819	7.48502	7.47334	7.73741	7.17836
NAV1	5.1601	5.06279	5.50211	5.8678	6.02407	5.99814	6.10182	5.74238	5.37312	5.15216	5.54715	5.45881	6.02475	5.63203	5.60281	6.04776
NAV2	5.78774	5.35722	5.43322	5.56484	5.72497	6.0743	5.92656	5.03249	5.67221	5.46907	5.55932	5.60857	5.57898	5.81473	5.58265	5.56236
NAV2-AS	3.4567	3.44137	3.6244	4.62434	3.7606	4.0466	4.42885	3.76379	3.69577	3.87941	3.91647	4.05356	3.71375	4.66808	4.03231	4.00732
NAV2-AS	6.06123	4.53865	5.23935	6.79839	5.6902	5.15643	5.75211	6.61469	5.68926	6.61785	5.30337	6.53931	5.66277	5.81078	5.39763	6.63133
NAV2-AS	1.44194	1.44837	1.54854	1.444	1.48455	1.59197	1.43866	1.79233	1.45473	3.72029	1.74872	1.73861	1.59204	1.59381	1.70284	1.77343
NAV2-IT	5.45017	4.60868	2.77497	5.73502	5.24068	3.49365	3.87897	5.55155	5.28829	2.75002	5.75622	3.50641	4.73847	4.1611	5.8075	4.84596
NAV3	2.93758	2.58623	3.9523	3.3081	3.17712	3.95757	3.19128	3.87707	3.07729	3.5606	2.89142	3.03791	3.24161	3.06407	3.26474	2.68686
NBAS	5.44685	4.79228	5.16531	6.28777	5.28942	5.89602	6.01778	4.39244	6.24558	6.28422	5.38125	5.04268	5.57718	5.42868	4.91737	5.41777
NBEA	9.16731	7.5985	7.30789	7.80622	6.67644	6.58264	7.2798	5.76173	7.3133	8.41962	6.43673	6.57373	5.99223	6.18119	7.11924	6.9723
NBEAL1	5.35896	5.80066	3.78894	5.29878	5.40574	4.27689	4.77676	5.05274	4.73921	4.47382	4.11832	3.56647	4.61122	6.11602	5.6566	5.61277
NBEAL2	6.56446	6.95444	5.06736	4.56912	5.13036	4.19738	4.36139	5.21834	6.06026	5.29349	6.86735	6.1892	5.43934	5.24301	5.03019	5.96167
NBEAP1	2.73963	1.7948	1.93635	2.93358	3.06255	2.84967	2.53476	2.60305	3.77425	4.01411	3.1043	2.91573	5.23003	3.84816	2.8331	3.41991

NBL1	8.45696	8.13389	7.84024	7.73582	6.62237	7.21923	6.86307	6.21022	6.84293	7.40525	7.18175	8.38431	4.57984	7.76197	7.90137	6.17476
NBN	6.51815	6.81012	7.02233	6.45376	7.12234	6.63421	7.2857	7.38774	7.31992	6.67421	7.0981	5.8361	7.24474	6.95816	6.89264	7.10048
NBPF1	9.17193	7.97191	8.84082	8.58812	8.74665	9.30916	9.04127	8.08406	7.83639	8.87897	7.38087	8.09817	8.78798	9.19948	8.88247	8.71164
NBPF20	7.24036	7.10453	7.46717	7.15413	7.06893	8.70368	7.12636	7.64214	6.79985	7.26381	6.86032	7.89596	7.67469	7.98438	7.3061	7.93762
NBPF3	6.67513	5.59977	6.2716	6.80197	6.06936	6.36554	6.19241	6.29494	6.35493	6.12279	6.57468	6.18358	5.65971	6.54247	6.88573	6.73855
NBPF4	6.41859	7.11147	7.33394	6.98847	6.3798	7.31004	7.16464	7.19766	7.14222	6.94728	6.62461	7.22049	7.21396	6.81635	6.65787	7.15863
NBPF8	4.77121	6.08497	5.33567	4.74829	5.19885	5.68938	6.01651	5.73921	5.45313	5.25952	5.30804	5.42644	6.05663	5.94115	6.10921	5.59764
NBR1	6.25838	6.17289	7.07685	6.9609	6.48861	6.62173	6.99749	6.18726	6.29282	6.20935	6.28503	6.54256	6.37294	6.45915	6.21299	6.68524
NBR2	5.35106	4.95899	5.28385	4.65655	5.11501	5.65385	5.36879	5.12847	5.3451	5.19111	4.7732	4.73809	5.14817	4.95564	4.79693	4.87494
NCALD	5.85146	5.11744	4.82835	5.50994	5.78886	6.3343	7.04312	5.9209	5.05688	6.4795	6.29559	5.63203	5.81102	6.34639	5.3453	6.70492
NCAM1	5.05302	5.12769	5.32145	5.04222	5.493	4.88154	4.80177	5.45592	4.74756	5.8311	5.38484	5.3347	5.13011	5.09271	4.99664	5.18807
NCAM2	3.34835	0.85718	1.66665	1.23502	2.23945	3.37247	1.15042	2.79431	3.12188	1.85476	1.17333	1.90648	1.79942	3.30564	2.35543	1.11618
NCAN	5.83789	5.19799	6.70233	6.19705	5.57221	5.62765	6.14076	6.49283	6.55414	5.79464	5.98625	6.38607	6.818	5.48108	6.2296	5.55993
NCAPD2	4.98404	5.9074	4.52824	5.58134	6.28371	3.78772	5.59446	4.39881	6.94031	3.62321	6.86503	5.85971	5.58168	4.19488	6.50257	4.39898
NCAPD3	6.83179	7.78067	7.81409	7.77398	7.98905	7.16995	7.73814	8.15909	7.4001	6.87216	7.66787	7.99208	7.67568	7.59959	7.8222	7.91901
NCAPG	4.35425	5.95163	4.66059	4.40913	7.34542	5.78435	7.44463	7.04151	6.58949	4.92829	7.65366	5.06359	6.29625	5.94032	6.28793	6.68978
NCAPG2	6.11683	6.86287	7.17088	6.25675	7.05993	7.16039	6.52664	2.731	6.59019	5.31895	7.52956	6.97341	5.92496	6.69077	7.79266	7.24588
NCAPH	5.05722	3.72982	4.70118	5.31891	6.74201	4.53233	6.79149	5.46099	6.61445	3.31009	8.30594	6.09492	5.01701	6.53972	7.1062	6.91014
NCAPH2	5.12168	5.63629	5.27879	4.41097	5.42087	5.69738	5.98662	5.7441	5.55865	5.49177	5.21505	6.11163	5.45029	5.14611	5.48686	5.32428
NCBP1	4.52326	2.15231	4.75654	3.16953	5.17462	4.09143	5.36443	3.77315	4.90183	3.30187	5.00206	4.14096	5.23378	3.89358	5.47192	5.09969
NCBP2	7.82093	8.00813	8.00126	7.96861	8.72123	7.68663	7.99841	8.58859	8.13492	7.71742	8.84762	8.08808	8.74907	8.06065	8.53486	9.27873
NCBP2-A	7.78212	7.8922	8.22455	7.9785	7.26814	8.41922	7.39425	7.66933	7.94178	8.15886	8.06777	9.06394	8.57946	7.77507	7.85599	7.73933
NCDN	4.90868	4.75257	4.49747	5.155	4.44608	4.43996	4.75966	4.13561	4.56255	3.76414	4.45148	4.369	4.99867	4.09014	4.98232	5.09145
NCEH1	6.00298	7.1821	7.60493	5.95827	8.05395	6.65595	7.1782	7.28649	7.14373	6.46521	8.0775	5.3962	7.65639	7.30509	6.45551	7.54434
NCF1	6.68437	8.3899	7.5497	6.99952	4.12453	6.57417	4.05033	7.80351	7.7726	5.43291	7.88943	9.00781	7.60248	5.17875	5.04555	5.89174
NCF2	6.90068	7.50456	7.72877	7.41461	7.68518	6.46123	7.09026	8.35614	8.55623	3.62321	9.36926	6.67543	8.02382	6.91366	8.0588	6.40084
NCF4	7.61729	8.38448	8.7993	8.45757	8.31557	8.09933	8.78995	9.28755	8.62967	7.91644	8.22402	9.15245	8.70529	8.54398	8.31755	8.23028
NCK1	7.09937	7.67591	7.29787	7.41697	8.53635	7.62995	8.34839	7.12799	7.66223	6.8334	6.93089	7.05471	8.14417	7.92634	8.3496	7.97435
NCK1-AS	6.90303	6.67057	7.25701	7.92262	6.90336	6.8411	6.74335	6.72816	6.57608	6.13152	6.66307	7.34416	8.2507	7.25098	6.42309	7.20836
NCK2	9.04557	9.1663	8.46536	9.21885	9.50044	9.99925	9.26606	9.49156	8.94892	9.38644	8.58123	9.31854	9.24769	9.64485	9.65997	8.8897
NCKAP1	6.56901	7.20717	6.61197	7.12681	7.00351	5.63833	6.60014	6.71757	7.07497	7.10725	6.61138	6.24558	7.48908	7.15669	7.52366	7.74792
NCKAP1	5.81398	6.84461	7.29437	7.46791	6.38642	6.69406	6.0002	7.32358	7.41057	5.89522	7.43547	6.88927	6.4899	5.61572	6.79912	6.1524
NCKAP5	5.66152	4.88189	5.78627	5.52994	4.87061	5.10495	7.00962	4.89413	4.32124	5.20755	5.07971	4.66581	6.50013	5.75672	7.02558	8.99114
NCKAP5	4.53352	3.68625	3.55705	3.69726	3.65902	5.22343	4.53544	3.91768	5.13649	5.05469	4.90609	3.92468	4.01542	4.467	3.80694	3.65681
NCKIPSI	5.55587	4.8404	5.22468	5.30315	5.0902	5.24458	5.33889	4.89718	5.86526	5.45997	5.47514	5.50719	5.25261	5.22231	5.12603	5.44924

NCL	7.51761	7.95868	8.32702	8.51627	8.14551	8.79448	9.15554	9.19751	8.7381	8.57771	8.47614	8.82316	8.30848	8.32414	8.37861	8.60131
NCLN	5.31202	5.37607	5.44248	5.24458	5.19674	5.61291	5.85373	5.17583	5.40792	4.83468	5.11924	5.8529	5.52799	5.50806	4.85948	5.45924
NCOA1	7.04564	6.28793	7.32487	7.33495	7.34115	7.36211	6.11415	6.92356	7.19719	6.11248	7.00326	6.00833	6.08511	6.50074	7.14091	6.47297
NCOA2	5.75436	5.87483	5.77781	6.5305	5.61405	5.86679	6.38544	5.95721	6.17178	5.73492	5.81578	5.6255	5.28498	4.26756	5.70986	5.64905
NCOA3	5.84226	5.86166	6.02617	6.13121	5.84854	5.80782	5.74899	5.19266	5.66749	4.63367	5.72395	5.55676	5.71586	4.69768	5.38965	5.81684
NCOA4	11.9441	11.7733	11.7733	11.602	11.468	11.8	11.4424	11.8254	11.9441	11.7002	11.3436	10.9531	11.1225	11.4854	11.8369	11.4058
NCOA5	5.97567	6.40411	6.88611	5.65971	6.95167	6.10559	6.76871	6.68292	7.02742	6.2512	6.14992	6.69578	6.53227	6.65309	7.02199	6.17384
NCOA6	5.71939	6.80739	6.46578	7.27807	7.34693	6.76269	7.25599	7.43943	7.62696	6.29404	7.34402	6.94457	7.07946	7.1111	7.31697	7.08674
NCOA7	4.978	6.29109	6.17178	6.2982	4.59162	5.02205	5.8358	5.37607	6.20677	4.88716	5.5046	5.77613	6.22849	5.1147	5.7207	5.16763
NCOR1	6.00128	5.98786	5.78381	6.11511	6.93789	5.92786	5.85594	6.22886	5.97927	6.05626	5.89027	5.81304	6.21309	6.60847	7.15669	6.51863
NCOR2	5.26563	5.51713	5.10392	4.3863	4.83215	5.14354	5.39962	5.29544	5.52355	5.30569	5.28718	5.4433	5.13175	5.11379	4.83606	5.06585
NCR1	4.26924	4.6016	4.52416	3.93072	4.29444	3.70705	3.91319	4.13479	3.75083	3.90594	4.91054	4.52387	4.12376	4.57559	3.40212	4.01284
NCR2	6.69406	6.27576	6.97927	6.55067	6.35777	6.43304	6.14618	6.91249	6.31646	6.39428	6.94306	7.03173	6.41933	6.66367	6.59465	6.64006
NCR3	3.90886	6.2519	4.52354	4.25775	4.37665	4.05064	3.53187	4.04474	5.24175	3.31831	6.55976	5.34835	4.16516	3.27048	3.28662	3.68625
NCS1	4.108	3.68057	3.52204	3.89091	4.26862	3.43558	3.94546	4.00224	3.66884	4.04059	3.61082	4.21884	4.69108	3.97756	4.00373	4.47194
NCSTN	6.74074	6.42461	6.21882	5.29733	5.01	6.77874	6.59396	5.87097	6.31477	6.04592	6.04259	6.81351	6.01209	6.08654	6.02299	6.06026
ND2	10.9797	10.6233	10.6889	10.5225	10.3441	12.1026	11.8866	12.1308	11.6606	11.9498	11.088	9.64667	11.2075	11.3517	11.5751	10.6031
ND4	12.3111	12.1489	12.3273	12.0504	12.3491	12.6201	12.3939	12.6076	12.7845	12.8186	12.2974	11.3656	12.2135	12.3939	12.468	12.0504
ND6	7.86967	7.34389	8.23177	7.54351	6.90068	8.2561	9.21192	7.0981	8.62286	7.96472	8.28007	7.91179	7.96005	7.82199	7.33828	7.01158
NDC1	6.59103	5.20936	5.81672	6.07787	7.3713	7.35865	8.14486	7.98529	7.43963	6.1584	8.13008	6.72263	7.89942	6.20375	7.43226	7.48777
NDC80	4.36572	5.57353	6.14165	4.79981	7.76017	7.13215	8.33246	7.42962	7.63682	4.39917	7.62165	6.19445	6.99449	6.38629	7.39219	7.55413
NDE1	6.24308	6.39329	6.1982	6.64176	6.2519	6.55834	6.80843	6.55905	6.25418	6.19338	6.59491	6.54488	6.86138	6.7418	6.7568	6.2296
NDEL1	6.27213	5.4377	5.40516	5.08115	6.00043	5.68639	4.9847	5.41981	6.1193	6.64006	5.86663	5.53096	5.70701	5.7021	5.50605	6.12575
NDFIP1	8.43133	8.10686	8.06128	8.47529	7.52542	7.99006	7.8368	7.57931	8.25902	8.59875	7.61366	7.71541	7.86622	7.42833	8.03799	7.69867
NDFIP2	7.37737	7.53627	7.07704	6.91643	6.98629	7.51854	7.33152	7.66097	6.31858	7.05317	7.82093	7.0755	6.94648	7.16333	7.61117	7.14258
NDN	10.0285	9.39808	8.78616	9.72612	10.2084	7.99167	6.55038	7.9133	7.80888	9.98406	7.96246	8.43657	6.61504	10.1401	10.5665	10.6494
NDNF	6.84198	6.01454	7.10241	6.26213	4.78187	4.69801	6.0054	5.79806	5.82261	7.52841	5.13024	5.99129	4.96673	5.99767	6.73909	5.85334
NDNL2	6.93914	6.65595	7.52956	6.90043	7.19046	6.99294	6.26387	6.92888	6.62833	6.73025	6.63268	7.03578	7.33205	6.69613	6.90726	7.60944
NDOR1	5.38331	4.71588	4.72163	3.62063	4.8249	4.16313	4.52039	4.2174	5.06482	4.43867	4.41443	4.86214	4.66895	4.55142	4.25437	4.64564
NDP	2.93125	2.51658	4.44205	2.50291	3.73118	4.57551	4.38384	2.46648	4.80597	5.39029	2.70123	2.34474	4.13938	4.83639	3.86469	1.85717
NDRG1	9.88284	10.2011	10.4778	10.6031	11.2154	9.79735	11.8	10.5954	10.0123	10.4135	10.4778	9.93918	10.8621	11.8584	11.4504	8.24533
NDRG2	6.35878	6.3109	5.80924	6.22172	5.09913	6.02116	5.67359	5.3608	5.86507	6.80033	6.53163	6.14843	6.00684	5.39747	6.07956	5.06033
NDRG3	7.0023	7.29437	6.91606	7.09088	7.0755	7.47865	7.67591	7.58379	7.33526	6.89173	6.86887	7.4571	7.24146	7.37305	7.30433	7.38822
NDRG4	4.04247	3.59749	3.69005	4.1095	2.68714	3.50802	4.06264	3.77845	3.36695	3.82085	2.27492	2.94469	3.03764	4.58936	3.35152	3.91544
NDST1	4.85515	6.69042	6.19683	6.34361	6.19838	6.25598	5.41177	5.97818	6.69812	6.59083	6.25151	6.69536	5.77587	6.21493	6.15616	6.48414

NDST2	5.16446	5.42929	5.49101	5.17184	5.16049	5.50313	5.08327	5.78411	5.18807	5.49854	6.93183	7.01477	5.29562	5.40872	5.35947	6.50855
NDST3	4.44009	5.80184	5.07215	3.49407	2.65839	4.41713	3.60262	2.75656	4.61934	3.99153	3.71153	3.58989	6.0009	4.1099	3.68625	4.21547
NDST4	2.73769	3.70332	2.60451	1.91466	3.81533	3.71812	2.6271	4.23928	2.99228	2.94481	3.51628	2.89142	2.6746	3.17782	3.56284	4.26068
NDUFA1	10.2444	10.9531	10.509	11.6143	10.0756	11.1818	11.9903	10.4135	11.5015	10.509	11.2278	11.3246	11.8	11.1017	11.3155	10.429
NDUFA1	5.02024	5.21352	4.98524	5.36574	5.63462	5.07305	5.27456	5.28422	4.83068	4.94472	5.85064	5.52702	5.53472	4.96263	5.29518	5.51802
NDUFA1	8.67455	8.97054	8.08932	8.55764	8.27589	8.28774	8.48955	7.0572	7.68457	8.64803	8.72194	9.50452	8.80719	8.56106	8.05562	9.02044
NDUFA1	11.2154	11.9018	11.8254	11.9171	11.8493	12.0385	11.9698	11.9991	11.4758	10.9164	12.0147	12.3491	11.9991	11.7815	11.7815	11.8584
NDUFA1	10.942	11.422	10.5124	10.8912	10.6351	11.1275	11.1434	10.4632	11.1275	10.8621	11.1357	11.4919	11.1658	11.0674	10.6304	11.4157
NDUFA2	4.88353	5.10572	4.55201	5.24136	4.77269	5.12795	5.21609	5.23003	4.80177	4.5782	4.99833	5.24317	5.71084	5.32774	4.93717	5.04051
NDUFA3	9.4889	9.84759	8.85679	10.1711	9.00325	9.93918	10.4548	9.68026	9.12408	9.16467	9.88929	10.4836	10.8206	9.34651	9.38383	10.2496
NDUFA4	10.8808	11.063	10.7267	11.2558	10.9503	11.3844	11.7283	11.0035	11.048	10.5753	10.6494	10.6351	11.1909	11.0289	11.1818	11.5105
NDUFA4	5.09791	3.99662	6.10171	3.5907	4.95382	5.72269	3.92606	4.13045	3.80565	6.23123	4.15843	6.17585	4.14977	6.29144	3.68625	3.91544
NDUFA5	6.3948	7.737	7.88778	6.59885	7.85319	7.99888	7.62073	7.81409	7.27573	7.759	7.70384	6.22269	7.92769	7.63497	7.86096	8.01647
NDUFA6	9.00248	9.49286	9.17299	9.76219	9.21885	10.0817	10.2415	9.53392	9.90298	8.96961	9.49437	9.73939	10.3191	9.27726	10.0162	9.80678
NDUFA7	6.76694	7.69505	7.30409	6.24458	7.58869	7.71993	7.25259	5.8521	5.8191	6.78183	7.24146	7.01498	8.26232	7.75423	7.60818	8.00205
NDUFA8	9.7968	10.149	9.23192	10.2195	9.69974	10.0697	9.08296	8.98153	9.35677	9.03868	9.51582	10.3013	9.61082	10.0079	10.2011	9.74251
NDUFA9	9.25053	9.32902	9.09062	8.71651	10.7357	8.67112	9.03229	8.8433	9.59537	8.63717	9.12925	8.42795	9.52648	9.65997	9.90936	9.19751
NDUFAB	10.0722	10.2444	9.93674	10.9164	10.389	11.1225	9.99925	10.6031	10.4176	10.3013	10.4448	11.1093	11.2398	11.1496	10.6494	10.5276
NDUFAF	8.59487	8.13823	8.24153	8.69776	8.78405	8.20591	7.06811	8.79361	8.23079	7.85146	8.25692	7.83389	8.23743	9.08188	8.84762	8.61369
NDUFAF	6.61362	7.38866	6.77986	7.78334	6.79512	8.19658	8.3822	8.57166	7.33026	7.61431	7.98107	7.66135	8.27148	8.14486	6.66367	7.54069
NDUFAF	7.45038	7.67979	6.45345	8.37861	6.13014	7.03398	5.36059	7.00783	6.61445	7.02968	7.4535	8.08705	7.46424	7.60658	6.75341	8.25829
NDUFAF	7.04472	7.15152	7.39264	7.63653	7.69505	8.1427	7.69258	7.50856	7.56639	7.19839	7.96455	7.69134	8.19619	7.67544	7.77339	7.29519
NDUFAF	6.85972	6.67543	6.97717	6.82394	7.21742	7.01211	6.86383	6.98418	6.68004	6.98142	7.0261	6.10715	7.44302	6.74902	6.87431	6.76041
NDUFAF	6.74684	6.88759	7.31148	6.85291	7.3443	6.55951	7.40094	7.19916	6.91433	6.80405	7.13366	6.8108	6.39736	7.17836	7.53547	7.40382
NDUFB1	8.52475	8.03524	7.69946	9.15119	7.05087	7.90263	7.52841	7.51761	8.15997	8.33216	7.88003	8.01932	7.84726	7.93728	6.89588	7.64677
NDUFB1	7.35698	8.06128	6.73855	8.27148	7.92801	8.38151	8.04543	8.60042	8.05838	7.63411	7.86813	9.04721	9.03229	9.02691	8.2149	8.10791
NDUFB1	8.44211	9.27873	8.65818	8.86675	8.66491	8.95432	8.94892	9.35423	9.39808	8.85787	8.79695	8.84034	9.78521	9.21483	8.56106	9.04557
NDUFB2	8.52724	8.15536	8.38627	8.65357	7.97105	9.28504	8.28436	8.81753	8.49885	7.65828	8.65141	9.7059	9.17857	8.78506	8.74527	8.13666
NDUFB2	2.40819	2.1636	2.59102	1.96731	2.02496	2.18538	2.42155	2.30474	2.35886	2.85867	2.3203	2.2743	1.97096	2.99448	2.94685	2.9809
NDUFB3	9.02044	8.95146	9.23884	9.65256	9.25598	10.0123	10.7134	10.0259	9.68889	8.89342	9.59537	9.29432	10.1246	9.43005	10.0444	10.0103
NDUFB4	7.49699	8.11037	7.95464	7.87248	8.09661	8.32756	8.78616	8.16199	8.00881	8.07429	7.67863	7.81974	8.85137	8.22781	8.44632	8.3527
NDUFB5	9.74814	10.3468	10.2084	10.371	10.1902	10.3603	9.8837	9.97305	10.4318	9.6967	10.0365	10.0988	10.6392	9.83943	10.3635	10.5124
NDUFB6	7.59042	7.66453	7.80515	7.5023	8.40792	7.88907	7.15452	8.32579	7.57624	8.52275	7.86294	7.7196	6.98862	7.18879	7.80919	8.58691
NDUFB7	7.5148	6.76542	6.77582	6.82553	6.44232	7.13978	7.30682	5.60255	6.86866	6.79607	6.66527	6.81029	7.4963	7.29787	6.37758	6.7168
NDUFB8	9.8758	10.058	9.67862	10.0756	9.49577	10.3191	9.92568	10.0415	9.46237	9.82086	9.7543	10.0868	9.77389	9.50044	9.53392	10.0552

NDUFB9	11.565	11.8	11.5751	11.4504	11.9171	12.0258	11.9441	11.7815	11.9804	11.5923	11.5856	12.1308	11.741	12.2837	11.7283	12.0147
NDUFC1	7.20295	6.80197	7.35544	8.20911	7.16333	7.38059	7.03653	6.57618	6.8966	7.46832	7.21477	6.60418	8.71838	7.79231	7.37333	6.26231
NDUFS1	6.32189	5.50313	6.12151	5.97965	6.48777	6.26477	6.40279	6.76466	6.0061	6.33025	6.02475	5.58778	6.22172	6.04977	6.59531	6.41685
NDUFS2	9.91148	10.3013	10.1334	10.0245	10.4318	10.2257	9.90653	9.89772	10.8383	10.3563	10.2825	10.7548	10.0667	10.2527	10.7467	10.4883
NDUFS3	9.44403	9.4367	9.17096	10.1813	9.47426	10.1088	8.44366	8.56249	9.68695	9.50744	9.4567	10.7696	9.58421	9.58421	9.00702	8.50291
NDUFS4	6.19359	6.8975	7.02171	7.06858	6.22685	7.35571	7.28212	7.07585	6.72362	7.09572	6.23233	5.54116	6.92174	6.90589	6.32556	5.77073
NDUFS6	11.768	11.7897	11.374	11.7815	11.602	11.7562	12.2837	11.8584	12.2366	11.1496	12.6407	12.3111	12.3111	11.3999	11.2324	11.741
NDUFS7	8.14808	7.95757	7.45894	7.78272	6.93183	7.78949	7.72445	6.85678	7.54948	7.31755	7.84768	8.4612	7.31268	7.75805	7.60305	7.92769
NDUFV1	7.07077	6.60805	6.51148	6.80739	6.61362	7.26649	6.60418	6.27174	7.08988	6.97717	6.92808	7.25138	7.01673	6.93763	6.92098	6.92377
NDUFV2	8.8213	9.52795	8.92776	9.18875	8.92696	9.30638	8.92819	9.55838	9.28935	9.32537	8.89663	8.72779	9.55682	9.94429	9.14165	9.3245
NDUFV2	6.19338	6.45583	6.21403	6.55112	6.44179	6.54628	5.49443	6.93247	6.14773	6.69601	6.38477	6.41069	6.29785	6.06227	6.27492	6.19263
NDUFV3	6.99895	7.23137	6.26213	6.94991	6.80131	6.99346	6.01017	7.36632	6.69189	7.0519	6.84273	7.00926	7.75696	7.17199	7.16831	7.13471
NEB	4.61047	5.53579	5.30945	4.91999	5.54532	4.7638	5.40235	4.75885	4.07262	5.1713	3.59491	4.93366	4.25355	6.08864	4.63704	4.93851
NEBL	7.08315	6.81608	6.34126	7.0851	6.35047	5.24859	6.1809	6.30331	7.05445	7.01023	5.76624	5.49916	4.99763	5.88349	5.65752	6.01991
NEBL-AS	2.13523	2.59102	1.32681	1.93131	0.84574	1.00765	4.43758	1.61881	3.33041	2.07832	0.90097	1.4899	2.00801	0.96901	0.61335	1.1038
NECAB1	0.9979	4.61283	3.15379	3.71004	3.59057	3.25596	3.97251	2.17246	1.53958	2.34717	3.96629	2.04143	2.10686	3.66246	3.29289	2.34348
NECAB2	3.4567	4.14691	4.63576	3.54894	4.35974	4.14087	4.25853	5.89776	3.94629	4.19403	3.53424	4.52123	3.88172	4.44959	4.54565	3.75934
NECAB3	6.80543	6.39658	6.46341	6.85882	6.22827	5.64462	6.05682	6.57044	6.4043	7.20098	6.52948	6.68839	6.13102	6.73081	6.17289	7.31148
NECAP1	7.91508	7.80077	8.8144	8.41541	9.39322	6.93141	7.28385	7.97984	7.91486	8.37525	8.33246	7.63682	7.92068	8.14417	8.71458	7.78272
NECAP2	7.88396	8.2838	8.02774	7.71496	6.79938	7.98837	7.51144	8.10225	7.86066	7.92801	7.86658	8.11781	7.92399	8.15584	7.56065	7.71341
NEDD1	6.68585	6.83089	7.76731	7.21742	9.33149	9.78359	9.26758	8.83393	7.75274	6.69702	7.65686	7.6195	7.88778	9.89394	8.47782	8.81813
NEDD4	5.13232	6.26403	6.19729	6.44172	6.38204	5.46747	5.47996	5.04171	5.05885	6.07836	6.94977	3.82629	6.73759	6.85121	7.66727	4.887
NEDD4L	7.70241	7.10661	6.75319	6.73634	7.30789	7.02326	6.83051	6.38016	6.76219	7.67863	5.67887	6.35611	6.0893	7.4913	7.70384	7.10505
NEDD8	9.4407	9.53392	9.55087	9.85721	9.23192	9.90936	9.49953	9.91603	9.66114	9.05406	9.86652	10.1516	9.80078	9.41373	9.22973	9.08827
NEDD9	6.06906	6.43493	6.61395	6.47731	7.09966	7.03353	6.41737	6.98662	6.35963	7.12681	5.84244	6.91562	6.91292	6.1336	6.70731	6.08511
NEFH	3.38957	4.11765	3.3566	2.80584	4.03022	3.66604	3.60024	4.36875	5.49937	4.0856	7.14209	3.59643	3.55491	3.43558	3.52473	4.50487
NEFL	5.83348	5.18115	5.93434	5.19731	5.88599	5.66409	6.33407	5.86708	5.30672	6.54142	5.83166	5.74628	5.40961	6.07655	5.41489	4.8242
NEFM	3.47862	3.27882	4.09381	3.03017	3.17821	3.79373	3.79654	3.7273	3.37673	3.31445	3.31099	3.89038	3.3963	3.06557	3.74839	3.56819
NEGR1	4.35606	4.13895	4.51765	4.50343	4.69835	3.88146	3.7572	4.19903	3.86957	4.26259	2.90671	3.28105	3.82972	4.59491	4.99511	4.28615
NEGR1-I	3.02599	3.04911	4.48486	5.517	4.88936	3.84347	4.95143	4.71588	3.76729	2.91059	3.18189	4.36401	6.17299	5.33833	3.88013	3.7755
NEIL2	6.58972	6.59447	5.48027	5.60298	5.65461	6.56837	6.71622	6.55254	6.20242	7.53729	5.64281	6.02313	6.63893	4.71408	6.39835	6.64563
NEIL3	5.29878	3.89112	5.23257	5.34859	7.27909	5.74383	5.98416	6.47688	6.24145	4.83052	7.38042	5.21937	7.17993	6.03389	6.69975	7.09595
NEK1	5.87061	5.25291	6.28872	6.13292	5.41696	5.58299	5.47147	6.02751	5.40541	6.04916	4.78336	5.81123	5.51228	5.51275	5.2742	5.18461
NEK10	7.67409	5.88757	3.48538	5.24358	4.67141	3.96435	2.23396	5.05573	5.6426	4.09007	3.15604	4.81149	2.62575	3.41704	2.881	2.26153
NEK11	7.29262	6.14992	4.47464	6.59622	5.55578	4.78962	6.4057	5.00186	5.46131	4.56149	4.46917	6.04132	5.02245	5.1064	5.45261	5.30772

NEK2	5.80173	6.10943	5.53338	5.68993	5.47803	5.92122	6.35184	6.33597	5.28972	3.24205	5.88266	6.03236	5.91806	5.40792	5.50474	6.69348
NEK3	6.50406	6.27134	6.5805	6.1757	6.08983	6.60496	6.40233	6.61943	6.15699	6.76951	6.04351	6.11665	6.30433	6.22501	5.88542	6.62601
NEK4	7.70384	7.92262	7.7158	7.2013	7.93484	7.15053	7.45647	7.4644	6.84273	7.36361	7.24474	7.13731	7.38851	7.51793	7.92119	7.60398
NEK5	9.73065	7.64589	6.29439	8.27662	4.94242	6.17699	4.63225	4.18699	6.1994	5.13528	3.37121	5.63098	3.21973	4.37195	3.66576	2.30474
NEK6	6.31624	7.1266	6.32101	6.984	6.6594	6.33042	6.59447	7.02957	7.03928	6.93736	6.52429	6.84206	7.09122	7.18517	6.39528	6.74124
NEK7	9.15028	9.04721	9.63723	9.95743	9.6665	9.1574	8.89283	8.7731	9.0336	8.69245	9.66911	8.64938	9.11792	8.20284	9.24332	9.12237
NEK8	6.77145	6.83019	6.48214	6.91014	6.30863	6.35947	6.62824	6.44343	6.75475	6.52709	6.18822	6.06884	6.29513	6.49354	6.07557	6.48214
NEK9	5.3962	5.79014	6.10943	5.60069	5.79966	5.69427	5.18222	5.66737	5.30268	5.72016	5.76053	5.91782	5.43734	5.74275	5.69771	6.12195
NELFB	8.49182	8.36732	8.0064	8.10716	8.10936	8.61099	8.80295	7.95349	8.77437	8.33735	8.91873	9.13351	8.35376	8.54592	8.03245	8.60718
NELFCD	7.87296	7.79351	7.38684	7.57931	7.86385	7.59473	7.38087	7.65751	7.47951	7.5738	8.01606	7.58312	7.94154	7.97435	7.8954	7.70384
NELL1	4.369	5.27149	5.27655	3.91275	4.32782	4.88123	4.33523	3.87677	5.14147	5.84601	4.27128	4.88154	4.43897	5.62606	4.90488	4.68428
NELL2	9.67664	9.04127	9.22931	9.66114	9.00106	9.10108	9.78359	9.34547	9.55408	7.67098	7.70895	9.91603	8.38319	7.61243	9.25462	8.84375
NEMF	7.23209	7.19524	7.96917	7.84356	7.7461	7.28911	7.75805	7.86145	8.10055	7.17486	7.44302	6.82917	6.7418	6.76925	7.50417	6.85663
NENF	6.45939	6.88337	6.64604	6.16214	6.74045	6.55342	7.07369	7.10326	7.16495	6.50148	6.64819	7.26586	6.8956	6.83019	6.90952	7.05016
NEO1	5.6694	5.28812	5.43465	5.29032	5.86631	5.80427	6.52323	5.83474	5.32626	5.51686	5.01256	5.78564	5.5131	5.5803	5.30178	6.31363
NES	4.61592	5.39452	5.33725	4.28431	4.33103	6.58226	5.21219	4.91796	4.64707	7.13758	6.65595	6.95994	4.50847	3.98424	5.62634	4.4524
NET1	9.90431	8.77929	9.49577	9.45824	9.68446	9.38644	9.76219	8.41433	9.26858	8.90271	9.34754	8.16431	8.79141	9.89146	10.2341	9.66114
NETO1	3.90264	3.91963	2.92914	3.61127	4.72646	3.29722	3.5496	3.7462	3.53131	4.54782	3.15245	4.60821	3.94083	4.10052	4.29444	4.31334
NETO2	5.69472	7.12681	6.70844	6.687	6.84551	6.43637	5.30787	7.36913	7.09987	5.68466	7.73104	6.60626	6.83226	6.67044	7.00137	8.19393
NEU1	5.74926	6.04156	6.83262	5.9313	5.38528	6.03949	5.56581	6.62771	6.84527	6.92615	6.61529	7.27445	5.82474	6.46086	5.45936	6.27509
NEU2	4.70148	4.85013	3.86359	4.89975	4.06073	3.68688	4.25043	6.07842	5.20282	3.78199	4.58359	3.19844	3.96898	5.7004	3.39726	4.92331
NEU3	4.33103	5.12719	4.88552	5.14562	4.69418	4.45813	5.08	4.85056	5.1957	5.2994	5.52199	5.37776	4.70611	5.12406	5.15526	5.04246
NEU4	6.4399	6.79501	6.8096	6.55254	6.10943	5.38924	6.88215	6.76563	6.61445	6.94501	6.38241	6.80696	5.68275	6.09501	5.97908	6.41469
NEURL1	6.03535	4.7155	5.23405	5.90489	5.19773	4.55035	6.25692	5.51248	5.19303	5.31564	5.24253	4.6969	4.81808	4.62359	5.82034	5.59254
NEURL1	8.23714	7.77962	8.40893	7.86066	7.45494	9.16038	9.89394	7.81285	7.93216	6.43759	8.00027	8.94679	8.4102	9.87831	9.7449	7.41188
NEURL2	6.97964	6.40333	6.45345	5.9313	4.91541	6.04883	4.43758	6.77648	6.50219	6.62932	5.70326	6.46897	6.60137	4.38727	4.69327	6.67664
NEURL3	7.89329	7.2577	7.88036	7.64589	7.87018	7.28998	8.26942	8.62646	8.60087	8.95876	7.16916	7.93878	8.18415	9.02455	8.39281	7.83923
NEURL4	4.05217	3.89893	3.04356	3.80706	6.5917	4.37334	5.69071	5.01734	5.6132	5.89332	5.29857	6.58543	4.62473	5.23587	4.9796	5.30548
NEUROD	3.20265	2.93483	2.43603	3.61047	3.6493	3.05781	3.44955	3.09267	3.7359	3.40444	2.29377	3.62162	2.86866	2.64083	2.70506	3.2679
NEUROD	4.73152	5.97023	5.04939	5.41552	4.97569	4.69252	4.75885	5.09486	5.53282	4.34233	5.70391	5.0929	6.02361	4.7908	5.83023	5.74699
NEUROD	4.65553	6.22183	5.51228	5.88216	5.57001	5.65893	6.1336	6.02933	6.24145	5.81071	6.32843	6.38308	6.57401	4.52704	5.80178	5.73556
NEUROD	4.24384	4.50537	3.89015	4.29377	3.88843	3.391	5.97739	6.11959	3.71298	2.97414	5.53669	5.34691	4.44582	4.28324	5.06869	4.02452
NEUROC	1.60375	2.18884	2.11428	1.80217	2.47594	2.39513	2.3531	4.43413	1.92414	2.12186	3.76737	2.20167	2.66449	3.51712	2.47462	2.49784
NEUROC	3.22144	3.64032	3.02585	2.52969	3.84331	2.74824	2.27576	3.61778	2.92006	3.37812	3.40575	3.07028	1.89786	3.55944	3.12323	2.99971
NEUROC	4.02962	3.48434	5.70234	5.05502	5.31915	6.10593	5.60339	5.68015	5.0222	5.64253	4.40775	5.58101	5.87302	5.57193	5.87492	5.24347

NEXN	2.86362	4.10024	6.09333	4.64535	5.03573	5.38177	5.72052	5.85869	5.73937	6.85121	5.23321	5.61166	5.95392	5.57947	5.67273	4.15877
NEXN-A	4.09491	0.9589	3.84282	3.38369	1.60199	4.21854	1.91146	1.99703	1.18021	2.42411	3.30436	2.04143	4.28649	2.51368	2.49591	3.61186
NF1	5.22866	5.85624	4.55126	5.6699	4.84616	4.61047	5.57038	4.67009	6.36267	4.06894	5.01746	3.14285	5.40842	5.2072	4.84645	4.87671
NF2	4.99511	5.06334	5.16049	4.90513	5.28592	5.61854	4.49472	4.76177	5.13232	5.07913	5.2591	4.92635	5.72249	5.76327	5.4497	5.7021
NFAM1	6.94536	7.07869	7.37635	7.10887	6.85308	7.43404	7.14234	7.58424	7.81112	6.75209	7.09122	7.57115	7.24167	7.08284	7.16167	7.03578
NFASC	4.92736	5.70963	5.93689	4.78069	5.32692	5.78528	5.29562	7.432	5.00506	5.34584	5.3139	5.48482	5.19221	4.95972	5.29544	5.73937
NFAT5	4.7864	4.80362	5.68112	5.70084	5.42031	5.56484	5.95408	4.98786	4.77121	6.52278	5.27137	5.92522	5.21236	5.30045	5.00061	4.47054
NFATC1	5.46159	6.41202	5.50235	5.78051	5.85667	5.9813	5.4553	6.37253	5.49464	5.6694	5.77304	5.46335	5.782	5.47849	5.86603	5.50474
NFATC2	5.70304	5.80121	5.62901	5.87377	5.87779	5.8116	5.28592	6.22225	6.1209	5.46406	6.00238	4.94543	4.73212	5.75038	5.92644	5.67573
NFATC2I	7.03429	7.1968	7.36993	7.12924	7.51588	7.80837	7.40969	7.70966	7.23713	6.88646	7.19188	6.96963	6.98472	7.0905	7.34643	7.26733
NFATC3	6.22269	5.44159	6.25208	6.39369	5.95297	5.90756	5.26541	5.70734	5.91251	5.93008	6.46194	5.94565	5.88242	6.02908	6.04935	5.7079
NFATC4	4.68857	4.18038	4.6025	4.45332	4.63246	4.42829	3.61317	4.67394	5.0747	4.42289	4.06856	4.99999	4.40686	4.17126	5.02068	3.96928
NFE2	4.36572	2.97605	3.16713	3.5907	3.81865	3.20546	2.53476	4.63743	3.00175	3.68301	4.71136	2.89774	2.34547	3.31071	3.27847	3.78507
NFE2L1	9.18052	8.84184	8.97654	9.12492	9.32203	9.02455	9.2707	9.14549	8.84269	9.35321	8.51258	8.65974	8.69245	9.95833	9.05769	8.59625
NFE2L2	6.21106	6.49232	6.4954	5.84922	6.29513	5.58936	6.23163	5.90037	6.26907	6.04465	5.3965	6.2478	5.67812	6.75544	6.51169	5.61759
NFE2L3	5.76354	6.3114	6.59237	6.39685	8.50644	8.23823	9.28935	7.91831	7.12845	4.98037	7.08193	7.22958	8.32816	8.29871	7.86242	8.80719
NFE4	3.87518	4.10265	3.28947	4.53637	3.85505	4.01812	5.30403	3.50531	3.38569	3.21812	4.66895	4.01677	3.40212	4.935	4.03892	4.28288
NFIA	6.76951	6.18888	6.45064	6.88841	5.9118	6.70089	6.35947	5.20317	5.80427	6.76973	5.05543	6.40488	5.54788	5.50962	5.85303	5.40398
NFIA-AS	4.60121	4.39215	4.46555	4.33695	4.35243	4.93738	4.53215	4.95325	4.94203	4.79719	4.04204	4.00145	3.73049	5.44882	4.52222	4.73125
NFIB	7.236	5.97338	6.4707	6.34271	6.30273	6.52754	6.46565	5.65486	5.29579	7.48908	5.46907	5.60515	5.66468	5.59651	5.19457	6.55112
NFIC	6.40325	6.01587	6.29418	5.96577	6.07849	6.78789	6.84483	6.34706	5.89143	6.87781	5.71644	6.59719	5.99968	6.35103	5.52053	5.97073
NFIL3	8.06993	8.21756	8.5569	7.90327	8.68868	8.76046	8.90205	8.76878	9.64424	9.08827	9.07417	8.15216	9.37224	8.34712	8.63277	8.10604
NFIX	4.19738	3.63369	3.52918	3.99461	3.51672	4.7761	3.69448	3.07162	4.15981	4.99999	4.11653	4.26138	2.91461	4.17513	3.86818	3.65854
NFKB1	7.46703	7.27587	7.40895	7.45055	7.58461	7.15313	6.63574	7.76765	7.73179	7.21275	7.30859	7.62073	7.28961	8.00512	7.34437	6.66059
NFKB2	5.30066	6.11067	5.71924	5.41041	5.93381	5.93055	4.91481	5.62336	6.29785	6.13349	5.14656	4.91702	5.0875	5.86507	6.12646	5.57129
NFKBIA	7.34773	6.7888	6.71221	7.02957	6.98274	7.276	7.68215	7.61431	8.13908	6.51968	7.85197	7.31112	8.33571	7.16101	7.26944	8.23349
NFKBIB	5.60498	5.25191	5.44608	6.04132	6.1982	5.74303	6.01839	5.82413	5.28666	5.49629	5.98662	4.60058	5.57884	6.1994	5.82328	5.28258
NFKBID	4.03565	4.22367	4.64769	4.59491	4.68191	3.65785	3.75304	3.96659	3.81832	2.99615	5.01962	5.21219	4.92736	4.82763	3.67803	4.28519
NFKBIE	5.972	7.39494	6.01952	6.85409	7.6183	7.39834	7.30014	7.60563	8.22402	6.50178	7.78949	8.12128	8.22616	7.74898	7.59573	7.63211
NFKBIL1	4.02962	3.91554	3.87671	3.78412	2.9933	3.93664	4.06264	3.74908	3.75611	4.26756	3.54938	4.44959	4.60192	3.26302	3.60386	4.25148
NFKBIZ	9.54637	8.65073	9.0354	8.95283	7.42028	9.08658	8.67187	7.87079	8.65073	9.22973	8.80792	8.49813	9.1574	7.87611	9.81024	8.92733
NFRKB	4.83434	5.6401	4.53544	4.47552	5.77843	4.80009	4.81157	5.59535	5.40993	4.29253	5.69927	5.12109	4.1913	5.19399	4.93183	5.0222
NFS1	7.013	7.13366	7.03173	6.8657	7.08815	7.21275	7.07521	7.3425	6.55896	7.1494	6.8912	7.19814	7.49517	7.41725	7.06635	7.66135
NFU1	7.89942	8.2533	8.16578	8.89896	8.2233	8.38789	8.94008	8.57847	8.16276	8.09264	8.29403	7.68154	8.2327	8.20021	8.43478	8.18122
NFX1	6.20996	6.11735	5.97749	5.95703	6.02213	5.72369	6.06799	6.65525	6.07302	6.03469	6.27672	5.69118	5.3528	6.26204	5.18054	6.23163

NFXL1	7.05317	7.03191	8.27971	7.45055	7.90928	6.95245	7.97022	7.80711	6.77427	6.55737	7.19853	6.74124	7.51127	7.25476	7.12462	7.7017
NFYA	5.36285	5.34851	6.11109	5.04878	6.11302	5.88635	5.10007	5.0905	5.85631	5.17978	5.89935	4.97018	5.10366	5.11873	5.70189	5.69164
NFYB	6.87204	6.07413	6.88974	7.19188	7.27263	7.29091	7.15825	6.86735	6.29342	6.76847	7.01929	7.39781	7.54252	7.41351	6.81149	7.32272
NFYC	5.24618	5.76752	5.63022	5.65551	5.50787	5.44248	5.83775	6.06074	5.68679	5.71666	5.51418	5.4792	5.74275	5.82316	5.50191	5.57026
NFYC-AS	4.85757	3.36509	3.48538	4.04694	4.75305	4.40473	3.55696	6.4299	5.31338	5.21721	3.25613	5.03368	4.84921	5.03176	5.09413	5.85506
NGB	4.60918	5.16507	4.57021	4.76471	4.1368	4.95066	4.83353	4.57635	4.28431	5.03564	4.46856	4.88092	3.06066	3.58121	4.28984	4.26368
NGDN	6.83112	6.9731	7.41204	7.25642	6.84787	6.77582	7.01044	7.54686	6.98769	7.55335	7.1494	6.89788	7.24701	6.8412	6.84551	6.73406
NGEF	4.72028	5.84505	4.84227	4.11235	4.05521	5.29969	4.16313	3.72292	5.07488	4.77406	4.79981	5.21176	4.98359	4.23182	5.05825	4.22313
NGF	3.53756	3.31135	3.40102	2.92162	4.50197	5.39264	3.03237	3.66599	3.40648	3.44491	3.23213	2.13113	3.07124	2.72254	2.93032	3.10689
NGFR	2.88015	4.00768	4.14389	4.18478	4.9083	5.15052	3.50564	3.74908	3.17124	6.11917	2.54194	3.99007	5.1616	5.16562	3.33112	3.10689
NGFRAP	10.5711	10.4989	11.0417	10.6549	11.5206	11.8493	11.2398	11.0825	11.8584	11.3034	10.3679	11.6219	11.7002	11.7283	11.5015	11.3355
NGLY1	6.19375	7.23912	7.14258	6.09555	6.41627	6.20644	6.19135	6.50119	6.71983	6.62245	6.7918	6.29935	5.85641	5.89702	5.7048	6.19796
NGRN	9.04381	8.76627	8.80651	8.72446	8.80719	8.89445	9.35144	8.56052	9.02691	9.09062	8.17784	8.42298	8.52577	9.01248	9.08964	9.00415
NHEG1	3.74737	3.13884	2.99564	3.13915	2.94105	2.67969	2.45415	2.93245	2.5663	2.75002	2.52439	3.16915	2.88174	3.94866	3.25706	2.34348
NHLH1	3.59987	3.27087	3.34445	3.64199	3.22566	3.11933	3.70182	3.56906	2.95663	3.11051	3.33935	3.38388	3.28382	3.34999	3.25706	3.48415
NHLH2	3.74062	4.60697	4.0351	4.38727	5.01373	5.15954	5.44754	5.29959	3.70116	3.6733	3.88705	3.13406	4.73261	4.42178	4.37264	3.42552
NHLRC2	5.68401	5.36688	5.2531	5.46507	5.1367	5.00891	5.40703	5.51152	5.36879	5.96074	5.38559	5.44592	5.09699	4.61234	5.20516	5.84328
NHLRC3	7.68457	7.28911	7.7485	7.31824	7.07031	7.66951	7.25999	7.08341	7.37763	7.27221	7.34297	6.8268	7.06551	6.90283	7.02742	7.67515
NHLRC4	6.99869	5.41101	4.41429	5.54505	3.85505	5.2799	5.24432	4.58601	5.155	3.93408	6.02526	6.75243	6.50013	5.6617	5.14584	4.81177
NHP2	10.4548	10.9849	10.058	10.6494	9.99653	10.6972	11.1225	10.1246	10.3468	10.3871	11.0825	11.3155	11.1559	11.3436	10.9679	11.1818
NHP2L1	5.37003	5.64281	5.8578	7.53498	5.67487	6.02667	5.7529	5.69321	6.33337	5.60113	6.83319	8.04669	6.86866	5.7065	5.4365	6.6267
NHS	6.15646	4.24124	5.45472	5.84691	6.9573	5.74261	7.38635	5.88838	6.29439	4.74889	5.91104	4.95701	5.6902	6.67336	5.47752	4.98138
NHSL1	4.75405	4.63675	4.42755	4.38162	4.46511	4.91702	5.18617	5.03113	4.77797	4.66469	4.35917	4.55018	4.55632	4.8832	4.49557	4.76263
NHSL2	5.16345	5.14382	4.52167	3.54894	5.19885	4.42491	3.39293	3.43351	3.99376	5.49998	5.05683	3.79654	3.7479	5.81954	3.82329	4.32644
NICN1	7.88441	7.32741	6.94457	7.51308	6.79734	7.83502	7.4983	8.12128	8.38627	7.55386	7.58648	8.16578	6.97577	7.25808	7.71422	7.06876
NID1	5.47551	5.13318	6.19667	6.13554	6.1163	6.88467	5.91445	5.70755	5.56679	6.25491	6.42156	5.70304	6.01474	6.76142	6.12946	5.25494
NID2	3.99584	6.10884	6.70148	5.17832	7.20937	6.37006	5.70189	6.73081	5.62078	6.46521	6.77805	5.84898	6.02949	6.33808	7.04821	6.26771
NIF3L1	8.36563	8.84058	8.81753	8.28887	8.92094	8.65668	9.10446	9.10481	8.85868	8.52211	8.26454	8.19193	8.24153	8.66183	9.31971	9.16254
NIFK	6.75544	6.8806	7.18675	7.14114	6.9609	7.08952	7.08097	6.52754	7.21316	6.39231	6.9925	6.45561	7.41771	7.17188	6.9634	7.68075
NIFK-AS	6.60229	6.52323	6.83019	6.46606	6.6685	6.88438	6.72058	6.62658	6.88201	6.64277	6.63002	6.81306	7.00026	6.98908	6.65003	6.78161
NIM1K	4.69843	3.75879	5.27509	4.22883	3.75099	4.86073	3.55696	5.65251	3.25201	3.73393	5.67273	5.02213	6.32149	2.88516	5.57862	5.75818
NIN	4.23119	4.97435	4.57172	4.77206	5.06128	4.45556	5.24588	5.5121	5.12539	4.35425	4.85515	4.35974	5.33781	4.67029	5.15027	4.93457
NINJ1	7.57865	8.07018	8.09491	7.3525	8.15667	8.72123	8.68694	8.3717	8.91818	8.71228	9.59327	8.58691	9.65256	7.43168	8.17903	8.57592
NINJ2	7.2774	8.35018	7.47282	7.61886	7.42821	7.06244	6.09746	7.5547	6.85031	6.76064	7.45787	7.77611	7.52074	7.21742	6.72654	6.97145
NINL	7.79017	7.77489	7.57258	7.49062	8.04821	7.64799	8.35965	7.17619	7.34125	8.26454	7.29391	7.39238	7.61668	8.18415	8.48955	6.63642

NIP7	6.80249	7.16799	7.01906	5.97388	6.93864	5.94857	5.76261	6.31515	6.56625	6.59787	7.47457	7.17804	7.69763	7.35822	6.91944	7.44207
NIPA1	6.17984	7.13187	7.12819	7.01158	7.10387	6.81379	7.1078	7.4292	6.86317	6.79573	6.64251	7.12611	6.81937	7.1266	6.93431	7.04952
NIPA2	8.20121	8.56536	8.52003	8.31492	8.23028	8.02303	8.33334	8.69882	8.30517	7.74752	8.14844	8.21298	7.7158	7.63825	8.29176	8.16792
NIPAL2	6.29048	6.14165	6.03871	6.60518	6.23661	6.43871	6.61138	6.63967	7.01477	6.493	5.65192	6.51269	6.23891	6.23037	5.95297	6.46116
NIPAL3	5.40477	5.22468	5.20976	5.82506	4.64905	5.1928	4.77406	4.73504	4.99704	5.95982	5.04479	5.12426	4.79259	4.8636	4.51459	4.72736
NIPAL4	5.86446	5.66331	5.34226	5.98578	5.88125	3.35168	5.98416	3.98218	4.30345	4.46917	6.35836	4.77116	6.20535	4.71408	4.29394	5.49652
NIPBL	6.57234	6.13654	7.10709	7.0853	6.98343	6.99884	7.58939	6.51508	7.38474	6.39865	6.80289	6.3909	6.22861	6.68061	6.47672	6.77758
NIPSNAI	7.26733	6.85158	5.97368	6.07898	7.35884	6.31936	7.02452	6.51789	6.10275	6.03112	6.74597	6.61541	7.01444	7.03353	7.04364	6.93472
NIPSNAI	8.71998	8.99622	8.87664	9.15617	9.2111	8.19393	8.31053	8.44123	7.89141	8.78708	9.04007	7.94301	8.85546	7.82199	9.35525	9.48779
NIPSNAI	6.01939	6.28732	5.81488	6.18406	5.55223	4.9742	5.71831	5.07061	5.10776	5.6905	4.74756	5.6905	5.36187	5.12779	5.73855	5.81488
NISCH	6.82962	6.79643	6.41319	5.92492	6.11906	6.40989	5.98534	6.38617	6.25576	7.33274	6.38787	6.79839	5.74968	5.87024	5.91276	6.5305
NIT1	6.49308	6.29011	6.50576	5.85017	6.75031	6.66212	6.57468	5.4529	6.65991	6.41801	6.09484	5.76673	5.86803	5.81194	6.15008	6.68097
NIT2	9.68343	9.46022	9.23779	9.97305	10.6854	9.70398	10.5857	9.45199	9.42873	9.17582	9.22973	9.84759	9.92959	10.6889	10.6607	10.6233
NKAIN1	1.60375	3.07762	3.36406	2.06899	2.81309	2.31052	2.15094	2.78286	1.81152	2.42411	1.67696	2.73426	2.49591	2.79431	2.63378	3.48415
NKAIN2	4.026	4.5001	4.42968	4.91574	4.39682	3.98497	5.50829	4.87584	5.43359	4.69843	5.27116	4.89312	5.52733	5.48621	4.61339	4.80292
NKAIN3	5.77804	5.31582	5.57211	5.33567	5.82175	5.049	3.82687	5.88688	3.79382	3.93408	5.20037	5.60425	3.66589	5.244	4.33259	6.01067
NKAIN4	4.34547	4.2492	4.30752	3.8042	4.31702	3.95895	3.85359	4.60781	3.93793	4.18954	3.90511	3.31714	3.76612	4.22676	3.52295	3.94882
NKAP	6.77644	7.64894	7.85426	7.83611	7.55999	7.48581	7.51777	8.39965	7.6426	7.3201	7.58939	7.91464	7.36756	7.27807	7.88964	7.58738
NKAPL	3.8116	2.50567	2.39894	2.27019	2.78067	2.47629	1.97336	1.97644	3.3753	2.6169	2.55171	2.65493	2.63503	2.39848	3.11441	2.10775
NKAPP1	5.7457	6.8071	6.82452	5.97678	5.63906	5.91282	5.6314	6.79404	6.2722	6.25178	5.94573	5.39962	6.58204	6.61308	5.67641	6.40779
NKD1	3.31255	3.33875	3.20991	3.98126	3.58582	3.79318	3.75445	3.9561	3.70752	3.42132	3.7147	3.6498	3.45216	3.79065	4.54176	3.9262
NKD2	6.55352	6.22403	7.27377	6.2742	6.29119	7.2405	6.14478	5.97974	6.77322	6.17178	5.46048	7.46294	7.10271	6.37723	6.45428	3.93004
NKG7	7.67916	8.38038	8.56669	8.1889	7.82975	8.35355	7.50555	7.59162	9.10606	7.45765	9.71214	9.2707	9.46237	8.21557	7.89942	8.09763
NKIRAS1	6.30873	6.8233	5.68746	6.60156	6.76938	6.1732	6.62448	6.28749	6.21486	7.01368	6.04515	5.98264	6.46097	6.68544	6.22252	6.71204
NKIRAS2	7.02771	7.33587	7.15229	6.7905	7.46368	7.90795	8.09518	7.14639	7.34509	6.72905	7.6003	7.93589	7.88283	7.14114	7.75767	7.32358
NKPD1	4.39937	6.53252	5.98061	6.1566	6.05707	6.09415	5.78423	6.31081	6.48549	6.15963	5.94244	5.72913	5.84764	6.46304	6.65193	6.19705
NKRF	7.81197	7.85482	7.57459	7.72905	8.04887	7.93019	7.82179	8.2345	8.24244	7.50104	8.09011	7.60944	8.34839	7.94931	8.00881	7.99451
NKTR	5.42963	5.33697	6.40072	5.73868	4.65655	5.39073	5.32848	5.0929	5.21453	5.58168	5.47646	4.56473	5.20073	5.02998	4.76901	5.18024
NKX1-1	3.44273	3.50584	3.14177	4.1095	3.81865	3.76182	3.61825	4.28482	3.6792	3.46275	3.90646	4.16089	3.99596	3.34999	4.4703	3.66526
NKX2-1	3.96304	4.11186	4.25238	3.6491	4.37953	4.25308	4.64174	4.38066	3.99029	3.4834	4.42331	4.45264	4.49636	4.4329	4.36012	3.72049
NKX2-1-.	2.13523	2.82798	2.00164	2.00313	2.2597	2.63321	2.39011	2.58708	2.03262	1.96807	2.64984	1.80953	2.79294	1.97057	1.88334	2.59102
NKX2-2	1.19711	1.58173	0.36087	1.85049	1.26539	0.89896	1.18021	1.79233	0.56521	2.80132	1.59488	1.41969	2.42653	3.86642	0.46592	1.66002
NKX2-3	4.68509	3.21812	3.32481	3.10053	2.85371	3.601	5.16332	3.81494	5.22807	3.20323	4.51064	3.55262	3.60262	6.65253	3.37408	5.67713
NKX2-5	1.96392	2.81246	3.45525	3.15929	3.59057	2.72526	2.73211	1.86949	3.9348	2.91059	2.98436	2.91196	3.40212	2.65463	2.69546	3.04866
NKX2-8	6.07473	5.66976	6.18888	6.0218	5.18876	6.10124	5.40489	6.03916	6.06551	6.19774	6.26354	6.4921	6.63184	6.61919	5.73281	6.82691

NKX3-1	5.63182	4.41679	4.84118	4.8404	4.15183	4.87334	4.77355	3.87488	4.47042	5.44685	4.03747	4.58244	5.10172	4.76796	4.65523	4.16955
NKX3-2	5.37195	4.94502	5.60149	4.1095	6.00176	4.41713	5.96182	4.99236	3.15245	5.07547	4.13909	5.97084	5.27879	5.64126	5.89644	7.16971
NKX6-1	3.31017	3.81549	3.46771	4.0196	3.73869	4.0956	3.35187	3.66599	4.52011	3.26858	3.49378	4.66581	3.90551	3.71992	4.03231	3.57557
NKX6-2	4.85757	3.32466	3.45525	3.39777	2.87786	4.59455	5.50962	3.6374	3.35168	2.66614	5.18915	4.13909	3.78698	3.71992	3.23099	3.79382
NKX6-3	5.5143	6.13088	5.7104	5.93612	5.52577	5.26177	5.85017	5.93344	5.47072	5.49063	5.41534	6.36684	6.0936	5.25825	5.70807	5.7529
NLE1	5.64923	5.93103	5.40944	5.08724	5.90869	5.6836	5.33489	6.39914	5.38506	5.60814	6.64424	6.53264	6.4978	5.94649	5.80245	5.94097
NLGN1	4.44222	4.44041	4.35831	5.4508	4.63956	4.10879	4.09001	3.46371	4.81066	5.21961	4.814	4.40345	4.70533	3.34101	3.36807	3.69005
NLGN2	5.87114	5.59274	5.74749	5.87061	5.50496	6.58127	5.8784	6.17732	5.13074	6.18773	5.84468	5.50582	5.83859	5.9606	5.75357	5.64227
NLGN3	4.23787	4.59029	3.25775	4.24993	4.08055	3.64514	4.03451	4.90058	1.69898	4.0977	4.47294	3.71004	4.67048	3.94319	3.25228	4.37195
NLGN4X	5.85017	6.29235	6.55717	6.06026	6.11761	6.24442	4.4039	6.50576	5.96113	6.29734	5.77556	5.8578	5.86926	5.41972	6.17384	6.48575
NLGN4Y	5.55129	6.01609	5.81272	5.31293	6.84575	6.48825	6.58211	6.01028	6.17202	6.37229	5.78962	6.56431	5.38528	6.91606	7.13935	6.72058
NLK	6.10066	6.687	7.09987	6.95188	6.83636	6.79818	7.39312	6.92582	6.90904	6.48966	7.06274	6.35574	6.36119	7.04081	6.39959	6.59208
NLN	5.80143	6.55717	6.74325	6.00176	6.46662	6.20437	6.59719	7.29217	6.12766	5.70807	6.60922	6.37144	7.23122	6.92337	6.61308	6.36032
NLRC3	7.7162	8.95915	8.88559	8.62685	8.77566	8.59276	7.71541	9.0336	9.26758	7.37482	8.18643	8.57341	7.41057	7.08843	7.95543	7.92927
NLRC4	5.04748	5.64043	5.55912	4.32291	5.41079	4.84181	5.1755	5.55652	5.14656	4.3717	5.40516	6.07188	5.67382	4.85246	5.57026	5.23875
NLRC5	10.8431	11.6219	11.4272	10.3343	11.0741	11.1909	11.0825	12.1026	12.0504	9.27414	11.5105	11.8493	10.7996	9.26758	10.9586	11.3656
NLRP1	4.8213	4.78378	5.03633	5.19241	5.1344	4.92985	4.61302	5.01373	4.64889	4.82763	4.63315	5.20188	4.72867	4.67601	4.57949	4.84205
NLRP10	4.44608	3.84364	5.48407	4.69119	4.18809	4.9488	5.05601	5.27102	4.19706	4.31215	3.18189	3.99715	3.50584	4.85467	5.53943	4.99162
NLRP11	2.53024	2.84393	1.76827	1.67907	2.47594	2.39513	2.15094	1.79233	2.43603	3.15532	2.95531	2.64907	2.88174	1.64103	3.00483	1.96263
NLRP12	3.38625	3.94681	3.61691	4.53909	3.78872	3.98702	3.70847	3.29636	3.12311	4.20938	5.08232	5.24016	3.81591	3.82792	4.33436	4.08223
NLRP13	4.13997	4.37518	3.86359	4.16395	5.17658	4.2803	6.12515	4.53792	5.6566	3.92077	4.28892	4.44009	5.41867	4.43638	4.10265	4.73027
NLRP14	5.41227	6.32837	4.37426	6.69688	4.70279	4.45963	5.91306	3.66599	5.51033	5.28156	4.07634	6.26577	5.53039	5.85636	4.64586	3.83921
NLRP2	6.56571	6.06337	5.72298	6.09988	5.53516	5.78927	7.71648	6.22158	5.99003	6.80543	5.97145	6.78707	3.41453	5.98373	7.28879	5.87024
NLRP3	3.31395	3.44713	3.01834	3.49121	2.95492	3.02655	2.99709	3.33802	3.12738	2.89534	3.54284	3.66426	3.7184	3.0483	3.21973	3.18151
NLRP4	3.32431	3.93772	4.97462	3.04143	3.62835	4.66192	4.08418	3.41422	2.73661	2.98998	2.54194	2.69934	3.46411	3.52815	4.14453	2.90822
NLRP5	3.62466	4.21006	4.8564	3.60342	4.09689	3.25596	2.78886	3.08616	3.6241	3.65408	3.47644	5.17769	3.55868	5.6617	2.41671	3.6454
NLRP6	3.78698	3.66604	4.08953	3.8167	4.82932	4.0873	4.56093	2.98628	3.60923	4.04734	5.29857	2.93048	3.99596	4.9646	3.84644	5.40281
NLRP7	3.76841	5.19457	5.65855	5.563	7.43858	5.14737	10.7178	7.18328	6.40352	4.04734	5.52538	6.53163	6.8657	8.99205	8.09376	5.76889
NLRP8	6.68978	6.99644	6.73129	6.86877	6.41497	6.98418	6.87781	7.63881	7.4145	7.16652	6.68087	7.41543	7.45494	7.24953	7.15406	7.32871
NLRP9	6.2767	5.94415	6.07859	6.14424	5.94032	6.15904	6.24943	6.40916	5.52164	5.7037	6.37875	5.62801	6.52065	6.51238	5.67641	6.48673
NLRX1	6.3114	6.78332	6.18553	6.14183	6.09107	6.48246	6.6179	6.74418	7.03819	6.96616	6.3843	6.91774	6.3768	6.38216	5.90772	6.13713
NMB	6.841	6.05559	5.08103	6.11947	4.27362	4.22923	7.02599	4.26669	4.72987	4.00874	6.85738	3.88029	5.44722	4.21305	6.50845	5.97245
NMBR	4.37472	3.18041	3.08807	5.31891	2.79083	3.0658	6.30615	2.93245	1.81152	4.22052	3.37552	2.81338	3.37673	4.88494	3.06557	3.49413
NMD3	7.29852	8.07098	8.22174	8.09982	8.86712	7.85368	8.67002	8.25461	8.12233	7.8419	8.31171	7.19487	8.62243	8.49014	8.25224	8.83547
NME1	9.3856	9.96379	9.70215	9.60515	9.81753	10.4028	10.2084	8.34898	9.36362	9.81607	11.3587	10.545	10.7876	10.9279	9.44403	10.3603

NME3	9.09601	8.40549	8.77093	8.54454	6.84273	7.46409	7.51777	5.73575	7.28492	8.02272	7.67064	9.33951	8.33034	8.40568	7.31824	8.0511
NME4	7.64164	7.03506	7.26466	7.50118	8.43133	8.3212	7.92217	7.72547	8.79695	8.8213	7.44207	8.3979	9.4206	8.53555	8.82316	7.49709
NME5	9.48779	8.48507	6.58244	9.02753	6.01309	6.46718	5.82427	6.07547	7.21523	6.99855	6.17098	6.93224	6.13739	6.25888	5.98501	6.47114
NME6	7.05859	6.69389	6.3643	6.41332	6.05522	6.04194	6.46086	5.57879	6.07188	5.95827	6.20964	6.87105	6.38823	6.60068	6.37643	6.69403
NME7	8.37525	7.62815	6.82274	8.7622	7.41093	8.2233	8.47529	6.35993	9.35525	7.01906	6.79985	6.48246	7.383	7.03398	7.48719	7.41461
NME8	2.08404	1.88256	5.06066	1.50761	1.60199	2.63321	0.75071	2.55884	4.6132	2.34717	1.36661	1.77016	3.0877	1.88842	1.74155	1.80953
NME9	6.20767	5.61731	5.8705	6.78871	6.23348	6.28689	6.54028	6.72473	6.24145	5.85135	6.33219	6.56051	6.70155	6.23714	6.23691	6.18553
NMI	9.28645	9.66375	10.2628	9.64884	10.6816	9.50452	9.63723	10.7696	10.1842	8.64113	10.4362	9.48403	10.1153	10.2725	10.8431	10.494
NMNAT1	5.88196	5.02373	5.78159	5.75522	5.48792	4.61373	5.93772	5.16701	5.64109	4.56877	5.82328	4.53148	5.37722	5.25011	5.96999	5.64126
NMNAT2	4.34703	4.8729	5.36831	5.51836	5.12587	5.36574	5.4315	5.54917	5.66409	5.01851	5.30496	4.4478	5.4168	5.21296	5.40501	4.56534
NMNAT3	6.82376	6.71017	6.45737	6.62173	6.91871	6.07029	7.11075	7.05982	6.0042	6.4978	6.51	6.52147	7.22511	6.55905	6.33239	8.1881
NMRAL1	8.1282	8.29264	7.63792	7.97022	7.81197	7.90554	7.1002	7.2916	7.93391	8.31557	8.19059	8.73084	8.25902	8.70701	7.93391	8.4172
NMRK1	6.66656	6.20362	7.08815	7.05207	6.85409	5.92656	6.19553	7.49227	6.59396	5.22324	6.28624	6.58481	7.09849	5.15063	6.71482	5.05543
NMRK2	3.76841	2.69344	4.53653	4.61877	4.74792	2.76484	4.16867	2.70064	4.18653	3.21812	5.29132	3.3015	3.38837	2.62575	3.75151	3.92452
NMT1	5.73816	6.03336	6.1861	5.84244	6.13102	6.33362	6.42442	6.46055	6.2968	6.10275	6.21912	6.33947	6.31597	6.76518	6.12371	6.10253
NMT2	6.53899	6.48848	6.19406	6.52429	6.46954	6.38308	6.70243	6.33549	6.72335	6.33858	6.4743	6.53843	6.55559	6.12478	6.77008	6.0936
NMU	5.9025	6.47918	4.27028	4.40668	6.61235	2.74824	7.51416	7.6068	6.51329	3.29126	6.51464	2.24796	6.29404	5.58961	6.39162	4.81177
NMUR1	6.44898	5.9868	6.52531	5.64638	5.66533	5.89412	2.83966	4.7766	5.63875	6.47575	6.04147	5.89092	6.02198	5.70403	4.59094	5.30906
NMUR2	5.12745	5.33296	6.49318	5.51387	5.57898	6.02213	5.57693	4.15015	5.20828	5.55308	5.98777	6.63574	5.39073	6.26959	5.50296	5.8336
NNAT	3.90594	4.42829	4.13154	4.55668	3.27783	5.80329	4.10344	3.32868	5.26828	5.56093	4.49355	6.3267	5.61659	6.03781	5.18256	5.10495
NNMT	3.42813	5.58778	5.94768	4.78392	3.85505	3.55971	3.50564	5.22858	3.63964	3.49311	3.84453	4.96683	4.28649	5.08737	5.03455	2.07548
NNT	4.54977	4.55465	5.17323	4.90267	5.98394	5.37386	5.60583	4.79506	5.46231	5.477	5.88708	4.65072	5.73993	5.20375	6.23037	5.46277
NNT-AS1	6.2804	5.73868	6.77496	5.96025	6.70889	6.37156	6.49089	4.98541	6.30604	5.33725	6.43759	5.79382	5.79273	6.72244	6.73794	6.42997
NOA1	8.47942	8.93431	8.13742	8.67455	9.055	8.68521	8.35965	9.33951	9.14361	8.79448	8.0387	8.7291	8.90934	8.88342	9.09448	9.49038
NOB1	7.20734	7.56028	7.06945	7.82179	7.76782	6.62374	6.99097	6.98472	7.06144	6.63813	7.45485	7.72159	7.73604	8.42344	7.48299	8.20748
NOBOX	5.15459	3.72982	5.50045	4.47874	4.07562	2.5608	6.19445	5.21149	5.54116	5.56093	4.96638	4.99814	5.21117	5.04161	5.34851	5.03426
NOC2L	6.57748	6.85454	6.81622	6.88484	6.62723	6.46624	6.91463	6.88898	6.33619	6.74554	6.57174	6.66446	6.67287	6.95795	6.52034	6.40021
NOC3L	8.1768	8.31193	8.12106	7.42152	8.90934	8.32213	7.82939	9.28504	8.43692	8.15642	9.04557	7.32214	8.73982	8.84082	8.53248	8.83241
NOC4L	6.69536	6.83889	5.83775	4.82178	6.38544	6.17775	7.24828	7.56162	6.50501	6.26461	7.61518	7.2508	6.3988	7.16663	6.15946	6.42316
NOD1	6.73081	6.84939	6.92582	7.1324	6.99578	6.90821	6.99729	7.05131	7.1641	7.09703	7.08687	7.13978	7.08897	6.233	7.05247	6.98515
NOD2	6.45822	7.18371	7.1301	7.27309	7.16265	6.9731	6.55038	7.73791	6.91191	6.86998	7.48137	7.64096	7.05207	6.74974	7.61336	7.00403
NODAL	4.37803	3.95338	5.34309	4.383	4.88663	5.2358	4.68708	5.80993	4.95609	4.01473	4.77762	4.49127	4.47148	4.66437	5.44754	5.22636
NOG	4.39081	6.07029	5.43961	5.29627	5.80173	5.98045	2.42155	5.17831	5.37446	5.04176	4.88165	3.3015	3.51845	2.44811	4.84979	5.82766
NOL10	5.81194	6.09555	5.52397	5.73103	5.97352	5.43495	6.07064	6.85008	6.01309	6.0156	6.7013	5.73359	6.20158	6.90931	5.69999	6.05143
NOL11	8.32303	8.18753	7.96021	8.42795	9.07205	8.91995	9.3856	8.99157	8.38431	7.36287	9.35525	8.39318	9.12997	8.71563	9.12152	9.01581

NOL12	6.04941	5.67544	6.04297	6.60609	6.76162	7.19246	7.1324	6.34863	6.54028	6.28298	6.99664	7.3259	6.78618	7.38443	6.27307	6.39199
NOL3	5.52965	4.92697	5.54093	5.26807	4.70583	4.2754	5.45677	4.73297	4.71852	5.7905	4.9792	4.91574	4.54756	6.94586	4.31847	4.96585
NOL4	4.04744	3.83893	3.9378	3.22605	6.69077	3.61825	3.75226	3.35015	3.3579	2.59028	4.70968	3.29594	4.16665	3.86205	3.77982	4.50994
NOL4L	4.87334	5.58393	5.52597	5.86526	5.42657	5.3869	5.52553	5.9554	5.05678	5.02145	4.83417	5.64227	5.25218	5.65011	5.78564	5.47008
NOL6	5.83371	5.19994	4.91623	5.6104	5.12314	5.32787	5.53637	4.96105	5.67007	5.03535	5.63371	5.28765	5.10392	5.21762	5.20433	4.86471
NOL7	9.29297	9.50452	9.73065	10.1088	9.38206	9.19438	9.00781	9.78849	8.80792	9.22523	9.41034	9.88728	9.58716	9.12731	9.32902	9.38644
NOL8	6.86019	6.99387	6.93089	7.11449	8.34814	7.92842	6.8502	8.43237	7.87198	6.9035	7.99608	7.2897	7.61288	6.65423	8.14417	8.49182
NOL9	6.30433	5.97352	6.85454	6.33896	5.83304	6.77061	7.00057	7.3363	6.87781	6.79241	7.20937	6.78926	6.00283	6.27726	6.93224	6.5296
NOLC1	7.2685	6.62616	6.91907	7.16225	7.05931	6.84206	6.74657	7.34834	7.01338	6.40279	7.39033	7.03798	6.8266	7.57081	6.78466	7.34856
NOM1	7.22488	7.25914	7.2634	6.94672	7.94991	7.20502	8.14618	7.80919	7.22892	6.46954	7.47138	7.00568	6.9573	7.02487	7.89329	7.74423
NOMO3	5.74926	5.28273	6.15156	4.58588	6.54672	5.38924	3.39293	5.37804	5.96332	3.62321	5.74677	5.1206	4.46058	5.58961	4.86513	6.14245
NONO	8.96611	9.35952	8.70013	8.78708	9.76893	8.92659	8.60829	9.4421	9.27221	8.94713	9.19307	9.17857	9.01679	9.26078	8.70461	8.90648
NOP10	9.50744	9.81993	9.1574	9.88929	8.95876	9.78849	8.45387	9.83943	9.16038	8.39387	9.63723	9.82707	10.5753	9.40867	9.03868	9.92959
NOP14	7.40507	7.48581	7.37346	7.86967	7.80021	8.61511	9.27799	9.58912	8.24872	7.47398	8.5288	7.93019	8.27954	8.44931	8.13649	7.91831
NOP14-A	4.11765	3.88447	3.9949	3.78955	3.80927	3.48742	3.8649	3.0151	3.39841	3.16412	4.29893	3.7942	3.82716	3.30112	3.79654	3.58305
NOP16	5.12539	5.75395	5.8529	5.98188	5.70687	5.3987	6.50944	6.78271	5.93531	5.16933	6.56431	6.40096	6.40779	6.07029	6.54354	6.11701
NOP2	8.11962	8.18689	8.0941	7.62912	8.61308	8.16276	7.90795	8.93431	7.99208	8.11669	7.98209	9.04187	8.21756	8.88035	8.62519	8.45462
NOP58	9.94907	10.0131	10.1153	9.98406	10.6273	10.1183	11.1909	11.2693	10.6392	9.34547	10.0897	9.73065	10.3792	10.6212	10.9359	10.5789
NOP9	6.45214	6.62279	6.53649	6.55209	6.47704	5.26217	4.66701	6.75209	6.91333	6.40411	6.88783	7.25642	6.12073	7.16525	6.06074	6.26341
NOS1	4.13444	4.41015	4.66168	3.65133	3.99774	3.82524	4.45689	3.67571	4.31456	4.24792	4.35008	4.45365	4.61007	4.2792	4.20319	4.56473
NOS1AP	4.83383	4.95972	5.32375	5.7411	4.74249	6.03795	5.18736	5.15336	4.81497	5.8392	5.0052	4.80597	5.28004	5.03965	4.61686	5.36879
NOS2	5.36845	4.5714	5.74268	5.98749	3.01001	4.35031	5.75525	4.52735	4.3125	5.31378	5.48278	5.18234	3.51845	5.80706	4.64586	6.03781
NOS3	3.0151	3.59087	3.58474	3.12868	2.93188	3.53187	3.36123	4.47514	3.26676	2.79035	3.39928	4.07031	2.70316	3.30396	1.63688	3.36364
NOSIP	9.56083	9.56807	8.898	9.41517	9.47585	9.27986	10.1401	9.74747	9.67513	8.98666	9.16038	10.2771	9.26491	9.86652	8.84762	9.60844
NOSTRIN	6.11683	3.82382	6.88386	5.16352	6.18515	6.37156	4.89377	6.53241	5.93008	7.25259	5.039	4.19789	5.23563	4.35255	6.30069	5.26796
NOTCH1	7.18517	7.42977	7.34509	7.35339	7.25116	7.90443	7.3304	7.31233	7.54252	7.51761	7.40328	8.0442	7.67863	7.31528	8.03524	7.1961
NOTCH2	6.94208	6.95361	7.39879	7.24216	6.99511	7.18175	6.92903	6.46075	6.91353	7.00686	7.3755	7.0853	6.94672	6.64176	6.4813	6.83931
NOTCH2	8.88585	8.10472	9.4267	8.89445	9.9547	9.51355	10.7996	9.7543	9.31635	9.30561	8.98841	8.31119	7.07077	8.31785	8.94008	9.71962
NOTCH3	3.88108	3.80166	3.84025	4.47417	4.65006	5.0435	4.88639	4.17798	5.16241	4.66374	4.32644	4.30379	4.40173	4.76205	4.58758	3.94138
NOTCH4	5.38841	4.91905	5.34851	4.86562	4.85269	5.21788	5.27822	5.00035	4.66254	5.00482	4.81438	5.41267	5.40039	5.26131	4.96044	5.0217
NOTUM	2.89649	3.03524	3.04356	3.57686	3.14557	3.85447	3.35187	2.37778	2.50218	2.80132	5.6503	3.62346	6.09492	3.73088	3.83184	3.12132
NOV	4.93532	5.88677	5.08498	6.30117	7.36788	6.73025	7.69211	6.54319	5.83723	6.00481	4.6945	6.17842	6.9363	6.404	6.89488	8.49014
NOVA1	4.41908	2.45293	4.00961	4.64068	2.27904	4.18447	4.61534	3.77058	4.82056	3.91616	3.42322	3.74769	4.3157	3.95179	3.1586	3.98788
NOVA2	5.67169	5.7242	6.44484	6.1966	5.46739	5.46569	5.54917	6.07302	5.29681	6.26366	5.32428	5.50313	6.24509	5.31355	5.06667	6.09528
NOX1	3.78353	4.86187	4.54726	3.4642	4.48593	4.77818	4.4821	3.76885	4.13961	3.38887	3.90531	4.64769	3.87693	4.85056	4.10052	4.6313

NOX3	2.50129	1.22235	2.77497	2.77414	3.35289	2.95599	4.75355	2.34717	2.07939	1.78758	2.91487	2.46803	2.79294	2.13594	2.04035	2.82844
NOX4	5.36141	5.3965	6.14498	4.83125	6.34769	5.04665	3.97873	6.38514	5.52307	5.18381	5.84226	5.94251	5.25519	6.10515	6.07188	6.65991
NOX5	5.69581	5.29113	5.20129	5.73881	5.08103	5.9407	4.55761	6.30722	5.44248	4.73921	4.9315	5.60636	4.83993	6.7557	4.82364	5.7512
NOXA1	7.31858	5.47492	6.83799	5.9313	6.65623	6.52891	6.46361	5.55993	6.40352	6.73719	6.01839	6.5954	7.43307	5.96754	5.52122	7.26107
NOXO1	5.81705	5.73158	4.79144	5.78328	4.45424	6.46718	6.43366	5.06322	3.65431	4.44999	3.98737	5.65233	4.46058	6.10779	5.93331	7.22752
NOXRED	6.14375	6.15228	5.69888	5.70679	5.75592	6.43994	5.2506	5.69927	5.14293	6.40531	5.85869	5.64034	5.79876	6.20259	5.10259	6.08232
NPAP1	3.72099	3.38769	3.30294	3.30112	3.18522	3.49365	3.42552	3.10948	3.46459	3.05259	3.75879	3.33905	3.77256	2.95261	3.46534	3.66526
NPAS1	2.59362	3.07245	2.15806	2.60451	2.3159	3.04099	3.34078	1.81697	2.48301	1.80599	3.33424	2.58278	3.36969	2.66959	2.92533	3.02707
NPAS2	4.80306	4.58322	4.26862	4.21547	4.17667	4.67069	5.33652	4.35308	4.05184	4.85515	4.87205	4.20237	3.75383	4.53056	4.09796	4.37886
NPAS3	3.93262	3.95644	3.9077	4.13479	4.37463	4.12984	4.51148	4.23345	4.211	4.37858	4.31108	4.12698	4.16142	3.91768	4.44294	4.32526
NPAS4	2.67229	3.38369	3.90071	2.32155	2.19745	2.84914	2.55644	2.19271	3.05134	3.77859	2.64224	3.55871	3.75964	2.76442	2.93758	2.05894
NPAT	5.41934	5.57186	5.71377	5.63906	5.47715	4.98334	5.94043	5.29829	6.73883	6.02788	6.1846	5.55428	5.29383	4.86187	5.65647	5.47117
NPB	4.04247	6.44624	3.6244	4.38405	3.80647	3.98206	9.19557	6.13935	4.2251	4.11891	3.48511	4.61987	4.38612	9.93674	4.33259	3.82879
NPBWR1	3.00675	4.48472	5.34103	2.72117	3.18522	3.74792	4.60294	6.12584	2.25875	5.05621	3.80377	4.92917	3.55868	4.66808	5.04555	4.97152
NPBWR2	3.06503	3.07762	3.09945	3.28542	2.94105	3.99153	2.5047	1.91261	2.70734	3.6977	2.91487	4.85959	4.37787	4.75121	2.10058	5.06904
NPC1	3.37486	4.33795	4.3896	3.40444	4.52489	4.73321	4.63871	4.57559	4.49669	4.06039	4.55201	4.35735	4.94559	4.61765	4.83778	4.7659
NPC1L1	4.65119	4.12203	4.01048	4.56438	3.41615	5.19241	4.28892	3.62534	3.57717	4.42363	4.10475	3.89843	3.383	4.64969	4.32526	4.18588
NPC2	11.25	11.768	11.8369	11.6759	12.0504	11.4345	10.4743	11.4345	11.374	10.7308	11.3844	11.4157	11.4504	10.9797	11.1093	11.768
NPCDR1	6.15937	6.67477	6.18979	7.12006	6.21114	5.95809	6.84616	6.73545	6.11334	6.4665	5.94995	4.40501	6.86424	6.64834	6.69021	6.67777
NPDC1	7.07381	6.69201	7.23978	6.56474	6.50169	6.45517	6.44335	7.4605	5.97427	7.20266	6.32627	6.39148	6.22022	6.20722	5.69207	6.51775
NPEPL1	6.81688	6.62843	6.23094	6.24681	6.40325	5.33083	6.52126	6.30738	5.94789	5.81369	6.04935	6.2736	7.7249	5.02373	5.95902	6.42945
NPEPPS	5.14958	5.40444	5.46207	6.0929	6.28982	5.66702	6.52564	5.59254	6.64239	5.10065	5.71246	5.38217	4.48907	6.18525	6.21403	5.59237
NPFF	6.50855	5.54756	6.533	5.10961	5.57813	5.93713	5.36688	5.63629	4.97582	5.79382	5.18703	5.99514	5.42673	5.21609	4.90154	4.99245
NPFFR1	6.15937	5.92887	5.99607	6.06534	5.39382	5.72006	6.17611	6.63155	6.47853	6.34438	4.87039	5.22709	5.13767	6.08974	6.12305	5.33762
NPFFR2	1.96392	1.9808	3.64717	2.83422	3.92606	2.89716	1.54854	2.30474	1.92414	2.01376	2.15913	1.19537	2.92938	2.82083	1.78116	1.54854
NPHP1	5.049	3.66815	2.91196	3.981	4.22367	4.54176	3.44713	3.40772	4.13002	3.25579	3.21286	3.18813	4.47042	4.11186	5.26675	4.52011
NPHP3	6.68061	6.31624	6.64277	6.36933	6.78681	6.70243	6.81089	6.72716	6.6449	6.98629	6.44429	6.53713	6.75056	5.99397	6.70325	6.16942
NPHP3-A	5.15982	5.09073	4.26686	4.63225	3.63872	3.80732	4.29189	3.91963	4.21976	3.35015	4.38995	4.57378	3.74409	4.62463	4.02201	4.58988
NPHP4	4.57777	3.65386	3.03461	3.67214	3.09945	3.7517	4.7744	3.54347	3.23555	3.30396	4.06086	4.18553	3.13202	3.94655	2.87369	3.5826
NPHS1	3.42813	3.97873	3.87671	3.17801	3.03309	3.20546	3.47278	3.37974	4.36917	4.02075	3.09709	3.10037	3.30026	3.41704	3.91498	3.57557
NPHS2	5.27357	5.94638	6.02475	4.23832	5.18485	4.47194	4.77792	6.02933	4.5431	4.25792	4.43705	6.34758	5.78611	4.07659	5.08582	4.38335
NPIPA1	9.19231	7.89329	8.14058	8.62766	9.0707	9.89146	8.56669	9.40267	9.05644	8.72368	6.52126	8.03371	8.32337	8.85441	9.17096	8.42204
NPIPB15	8.84762	8.8365	8.77093	8.29779	8.51297	7.98479	9.02044	9.26222	8.10655	9.51582	7.8819	8.74164	8.3341	8.41189	8.52475	8.68785
NPL	5.77633	6.39389	7.61117	4.84882	8.38415	7.71686	7.35385	7.48544	7.35822	4.27879	7.49156	6.98343	7.22216	7.86096	8.53635	7.74752
NPLOC4	7.97957	8.50543	7.798	7.88305	8.39318	8.20121	8.73848	7.68887	8.35767	8.0588	8.3341	8.12286	8.21672	8.63421	8.32463	7.91358

NPM1	10.2771	10.6932	10.6686	10.8255	10.8711	10.8912	10.8107	11.4854	10.6461	10.7267	10.7178	10.8621	10.9279	11.297	10.8573	11.0235
NPM2	4.75761	4.13063	4.50625	5.12521	4.65407	4.19473	6.08549	4.68363	5.782	4.61747	4.80248	5.49559	4.84921	4.88494	4.94595	5.92597
NPM3	7.33244	7.52956	7.36321	7.19827	7.00147	8.39515	6.82071	7.12413	7.31278	7.53627	8.05303	7.94991	8.66383	8.38448	6.88587	7.96389
NPNT	5.06585	4.91313	5.56375	4.86031	5.21372	6.58914	5.95632	5.31219	5.58637	5.85803	3.36123	4.7593	4.41283	6.48361	5.27002	5.45419
NPPA	4.4643	4.79439	6.07023	5.19961	5.11124	4.93559	6.16473	5.02925	6.13912	4.61747	6.41816	4.90513	4.78966	4.59647	5.71461	5.28996
NPPB	4.6618	3.64032	5.75475	3.36292	2.58828	4.17971	6.04212	3.31083	5.80518	4.26756	3.15604	3.52665	5.05022	6.14663	3.37408	4.56255
NPPC	0.49324	0.62135	0.44922	0.90097	1.88842	0.81159	0.01726	0.41936	-0.238	0.18982	0.11027	2.10229	0.93298	6.65672	2.9127	0.69824
NPR1	4.33482	3.89481	4.75171	5.0097	4.13607	5.04602	4.59162	4.64889	4.36033	4.3419	4.84753	4.18531	4.07755	3.70116	4.16313	4.53909
NPR2	6.19634	5.49524	5.38032	5.72307	5.42739	5.9025	5.34906	5.29048	6.03639	6.47126	6.17117	6.19845	5.03715	5.67487	5.59996	6.21509
NPR3	4.36934	4.3961	5.05959	4.7864	4.70148	4.42874	5.11713	5.05177	4.93197	4.49209	4.57543	4.51349	4.09878	4.84059	4.81648	4.44693
NPRL2	6.8975	6.47449	7.08123	6.8185	6.70654	6.63846	7.01562	6.98738	6.94714	7.30509	6.46361	7.65128	5.82241	6.68722	6.29404	7.25315
NPRL3	5.07061	5.50277	4.68478	5.46878	5.31111	5.5763	5.22874	5.38032	5.90945	5.64095	5.41777	5.26541	5.37698	6.05129	5.26744	5.53911
NPSA	3.25147	4.08141	3.0093	4.46262	4.42161	3.46064	3.55696	4.62117	2.95663	1.43866	3.02585	3.18013	1.35312	3.16811	4.81291	1.70353
NPSR1-A	4.42048	3.7682	5.44301	4.04879	3.96967	3.94783	3.66604	2.71638	4.2174	3.8966	4.00224	5.28169	4.28922	4.28727	3.92656	4.19646
NPTN	11.4604	11.2633	11.9804	11.4058	11.5923	11.3034	11.2558	10.817	11.4157	11.6343	11.2154	10.9359	10.8755	11.048	11.25	11.1909
NPTN-IT	7.40139	6.29087	7.05237	6.47114	6.8108	6.72429	7.98758	7.32536	6.67595	7.13022	6.19189	5.95764	5.83098	7.10583	6.42492	6.75582
NPTX1	5.92582	5.96305	5.0637	6.41692	5.09145	5.58627	5.4508	6.40684	6.08585	4.78392	5.69803	5.95764	4.28649	5.79613	5.56922	5.117
NPTX2	4.78107	4.18531	4.94991	4.78962	4.99272	4.31657	5.14257	3.85505	3.40648	6.3317	5.14155	4.90933	2.39587	5.6617	4.87885	5.17859
NPTXR	4.70851	5.0187	4.65281	3.855	5.00917	4.54926	3.96947	4.81967	5.28056	4.67088	3.98985	4.85434	4.26663	4.81915	5.04372	4.56898
NPVF	3.13246	3.81549	2.40841	3.73033	4.01874	4.72201	4.32228	1.22235	4.71298	1.87612	4.51992	1.4899	2.81611	4.98359	1.78116	4.74345
NPY	5.68319	3.50584	5.36713	5.59669	4.58601	6.26758	3.84674	3.76379	5.47507	6.08344	5.64598	5.65417	5.92496	4.92635	5.8509	5.73413
NPY1R	3.87518	2.95972	4.59156	3.78412	6.57618	6.24099	1.73976	1.61881	2.03262	8.54987	1.63512	2.44179	1.7762	2.18939	2.56931	1.37509
NPY2R	3.38525	3.5606	3.82473	3.84407	4.02952	4.01247	3.86359	3.75766	3.84025	3.61365	3.88932	3.18749	4.61825	4.20503	4.72146	3.81369
NPY5R	5.05401	5.96723	6.30941	5.70272	6.03236	6.61147	6.07197	6.61839	5.67314	7.07787	6.20038	6.56497	6.03949	5.24887	5.63274	6.13746
NPY6R	6.13753	5.74805	5.84195	4.97408	5.363	4.77676	5.50058	5.52374	3.96455	6.0088	5.28144	5.84362	5.26091	4.73212	5.64319	5.37759
NQO1	9.64485	8.32816	6.3799	8.20468	5.40016	5.21683	4.9467	5.49578	5.68579	4.9789	5.98051	5.45261	5.24016	6.19338	4.78297	5.37312
NQO2	7.21213	6.90541	7.00926	7.18007	6.89412	5.78145	6.92808	7.25736	7.26107	7.22234	6.95754	6.82812	7.29993	7.01477	7.20792	6.86887
NR0B1	5.83989	6.24154	6.06758	6.07171	6.04631	5.78106	6.46864	6.1103	6.1475	5.96696	5.96948	6.08615	5.75253	6.00481	5.87434	6.04759
NR0B2	2.75185	3.38769	3.21294	3.17801	4.6969	3.8966	2.8619	3.88575	2.90046	4.23056	4.81597	3.69374	5.15157	2.74868	2.95994	4.37747
NR1D2	8.0146	6.69641	7.76523	7.43085	5.97882	6.48794	5.77438	6.08225	6.54445	6.86056	6.50721	7.03398	6.74902	6.65377	6.85524	6.94344
NR1H2	3.78698	4.29087	3.25331	3.83907	4.76067	4.77116	2.0296	4.00856	4.71298	4.63184	4.58758	3.51602	3.49323	5.29145	2.881	2.81134
NR1H3	5.65385	6.33063	6.42694	5.95827	6.93009	6.49846	5.52799	7.47334	8.79047	6.62386	7.98398	7.39533	8.13058	6.57908	5.84153	6.79541
NR1H4	3.27793	3.52204	3.88656	4.26862	3.55871	3.51731	4.54689	3.65608	4.41097	4.43832	4.24304	3.72627	3.84704	3.80377	3.86022	3.72436
NR1I2	4.89377	3.99376	4.89253	4.45365	4.06388	4.30102	4.15705	4.98138	4.81568	5.05869	4.73428	3.50784	4.65498	4.48338	4.90904	4.63084
NR1I3	2.70831	3.55162	3.24716	4.26706	3.54704	3.73314	4.09669	3.71242	3.39483	3.08379	3.6025	3.72292	3.40918	4.08601	3.97544	3.51688

NR2C1	6.24286	6.11635	6.46116	5.65081	6.70731	6.22768	5.88508	6.44775	6.11109	6.10692	6.18553	5.84395	6.4399	6.58787	6.09718	6.29494
NR2C2	7.10969	7.35698	7.89329	7.52876	7.98311	7.53012	6.82178	7.13317	7.06726	7.64031	6.9573	6.76925	6.94494	7.05868	7.57707	7.78199
NR2C2Al	7.03703	6.7406	6.05165	6.5917	7.3113	6.70784	7.01198	6.35585	6.72277	6.36458	7.31288	7.68698	6.91957	7.59021	7.17292	8.14157
NR2E1	2.94778	2.99228	2.72411	2.55745	3.0533	2.53476	2.3531	3.0481	2.61941	2.95492	2.64984	3.26763	2.36805	2.51368	2.16493	3.35278
NR2E3	3.70785	3.68301	2.80132	4.06388	4.39999	3.4644	2.95261	4.11792	5.00549	4.55416	3.57654	4.00266	3.97307	3.76737	4.39747	3.95956
NR2F1	9.19651	8.51477	9.07661	9.40525	8.03548	9.22173	9.03868	8.64636	8.99832	8.96525	8.09229	8.79617	6.21022	8.07429	8.60718	8.65698
NR2F1-A	5.55993	6.53163	6.12523	6.15426	5.21149	5.76654	5.88481	5.44882	6.06651	6.27523	4.61929	5.22581	4.47552	5.32055	5.46851	6.45915
NR2F2	7.17978	6.75031	6.86171	7.06996	6.56214	6.6127	5.879	5.95223	6.12821	6.8869	6.01778	6.09844	5.87492	6.14545	6.21912	6.4651
NR2F2-A	4.45264	3.24563	4.08394	3.60342	2.9933	4.07245	2.67152	3.86842	2.83517	3.7682	3.03593	3.01775	3.07124	3.18151	2.89621	3.32854
NR2F6	3.9523	3.6149	2.26034	3.24973	3.25403	3.37025	3.48474	2.25724	3.24078	3.42081	2.6153	3.71916	2.83106	3.76529	2.35791	3.86323
NR3C1	7.28003	7.98057	8.33277	8.1831	8.11826	8.24533	7.40328	8.35903	8.28067	7.72596	8.20643	7.61185	7.14209	7.47951	8.34166	7.6187
NR3C2	7.62815	6.38317	6.49991	7.49517	8.35803	6.79925	6.37128	7.02785	6.18427	6.77476	3.47644	6.7568	6.55426	7.11716	7.7485	7.07349
NR4A1	5.56581	5.31323	5.65267	5.83128	4.96966	5.19303	5.49037	5.54756	4.92179	5.4553	4.88684	4.93071	6.08654	5.84879	4.65137	5.22914
NR4A2	8.39851	6.96636	7.30834	7.25205	5.71997	6.02445	5.88036	6.25921	7.0724	7.32463	7.2117	6.26907	5.82205	4.88909	5.75395	5.2229
NR4A3	4.32046	4.13938	5.09814	4.45668	4.26138	4.58543	4.77009	5.02637	4.51021	4.74249	4.95192	4.32501	5.01553	4.71779	5.10366	4.62043
NR5A1	4.9553	4.14691	4.03916	4.40668	5.09517	5.50829	4.38384	4.58008	4.87944	3.8429	5.35423	4.98079	6.17299	5.39029	4.2981	6.12946
NR5A2	4.75373	5.30847	5.23432	5.41144	5.32616	5.77492	5.03387	5.38125	5.52965	5.26165	6.44252	5.54665	5.27501	5.34643	5.52199	5.24432
NR6A1	3.67528	3.94624	4.00224	3.54495	3.99724	4.0601	3.72936	3.99184	3.87043	3.58364	4.17016	3.6535	3.93813	4.05867	3.60061	4.1683
NRAP	3.60464	3.93967	4.27298	4.23244	3.72239	4.09001	3.38408	4.17869	3.77565	4.08601	3.9761	3.62063	3.6339	3.58419	3.61408	3.87225
NRARP	8.66746	8.54292	8.00005	8.30977	8.00923	8.78798	8.40462	8.55896	8.71121	7.09849	8.0913	8.96148	9.0046	8.33807	8.25549	8.73519
NRAS	7.40862	7.98789	8.20175	7.67681	8.24533	8.47942	8.55255	8.79695	8.00027	7.52217	8.73001	7.36164	8.54652	8.43264	8.44024	8.23177
NRBF2	5.66899	6.39634	7.10208	6.42252	7.02009	7.05849	4.33482	5.88887	6.41451	5.99292	7.23189	6.22827	7.17515	7.12946	7.04499	6.73909
NRBP1	6.7349	6.11947	6.48403	6.08731	6.96123	6.60087	6.17104	5.71747	6.94927	6.4523	7.00532	6.77902	4.27078	6.00821	6.2284	6.73581
NRCAM	4.66023	5.08546	5.19457	4.91953	6.3114	7.10453	5.74642	4.91768	4.79861	5.56523	5.55944	5.47551	4.2174	6.59837	6.48861	5.24175
NRD1	8.08079	7.53729	8.20394	7.48608	8.41276	7.73058	8.10743	8.65782	7.90401	7.69134	8.0511	7.51436	7.33414	8.07629	8.32414	7.87748
NRDE2	4.11388	4.75996	4.12862	3.6392	4.3412	4.08223	4.1099	4.24019	4.43516	4.50847	4.1339	4.22425	3.99089	4.09619	3.92524	4.17491
NREP	4.62626	5.36743	5.16345	4.48281	5.55803	5.16886	4.84961	5.16305	5.38177	5.18553	5.26722	5.21576	6.84156	5.54732	5.26342	6.28311
NRF1	5.85641	5.56135	5.54137	6.01522	6.43957	5.54732	5.56841	5.81147	6.1733	5.64719	6.40384	5.37862	5.97627	5.61594	5.58238	5.77746
NRG1	4.34651	5.2376	4.65792	3.93813	4.81824	5.28201	5.05274	4.61825	5.48401	4.75295	5.61148	5.13232	5.96883	5.23646	5.40944	4.86873
NRG1-IT	6.25521	5.45118	5.7991	5.86339	4.55455	6.0237	3.70182	6.26155	4.30345	5.18807	4.69149	4.75713	2.00801	5.65877	3.20278	3.57557
NRG2	5.438	5.19972	5.29633	5.88349	5.31529	4.98248	4.84861	5.87129	5.39705	5.75858	4.98862	5.53126	5.10469	5.01477	5.13528	5.44954
NRG3	5.37837	3.55786	5.99187	5.12521	5.18485	4.37334	5.3089	5.78152	6.18897	7.26214	4.8793	6.23778	5.56929	3.54384	5.04555	3.88705
NRG4	6.32655	5.40341	5.03914	5.83329	5.62849	4.96837	5.65267	5.67359	4.81824	5.03122	4.80248	3.26763	5.33438	3.41704	5.5192	5.83128
NRGN	4.09491	5.77688	3.97055	6.07592	3.6922	4.94013	5.35566	4.37563	5.34272	4.41097	6.43896	6.7568	3.85528	5.75672	4.03892	4.18842
NRIP1	7.8917	7.77186	8.71998	8.72304	7.27843	8.98902	8.17211	6.62571	7.52685	7.63154	7.66255	7.35478	7.94991	7.71057	8.4612	7.71385

NRIP2	3.66681	3.4933	3.83335	3.93679	2.71531	3.67619	3.8062	3.50531	3.66585	4.19403	3.24563	3.87137	3.26844	2.68036	3.50176	3.31065
NRIP3	6.70141	6.72716	7.04081	6.70168	6.48435	6.48339	7.42526	6.8419	6.97788	6.61041	6.77387	6.52645	6.69845	6.77732	6.62914	6.6849
NRK	2.69546	2.09472	3.61284	3.55406	3.49378	3.03952	4.59778	2.11885	2.79595	2.45719	3.57987	2.75897	2.47535	3.32235	2.52251	2.56591
NRL	5.11528	4.10559	5.33633	4.54431	3.778	3.73393	3.93582	4.166	4.38162	5.28981	5.34463	5.36727	3.76637	3.93262	4.41586	4.5554
NRM	7.72138	8.5483	8.10686	8.05225	7.97484	8.36706	8.53034	8.60654	8.73434	8.23492	8.48742	9.02691	8.81561	8.96335	8.61779	8.55255
NRN1	5.75738	4.02672	3.97828	5.56651	3.79424	3.63988	5.57038	4.24814	4.11778	3.8925	6.61308	3.77334	5.71403	3.58891	4.00119	3.6935
NRP1	3.10589	3.1043	4.65072	4.20875	4.09327	3.805	3.70978	4.026	4.47902	4.36795	4.87712	4.15744	2.97414	3.20201	4.61592	3.90025
NRP2	4.78683	3.98617	4.81378	4.16003	4.36875	4.28892	4.52625	4.45668	4.6016	4.28727	4.96487	4.17338	4.51056	4.25775	4.43832	4.29189
NRROS	3.42813	3.58335	3.63509	3.21843	3.52527	3.67619	3.50564	3.21508	3.5404	3.72029	3.49378	3.60204	3.47767	3.52815	3.32134	3.10689
NRSN1	5.32454	6.2297	4.16313	5.77375	3.65448	3.67619	5.38235	4.45148	4.06039	3.87941	3.80883	3.78165	4.35356	6.03045	5.25562	5.02623
NRSN2	4.11983	5.6286	4.20503	3.6357	5.23646	4.3237	4.20319	3.86842	4.80597	4.77152	4.3923	5.24175	4.22425	5.32594	4.28189	4.63489
NRTN	0.34005	0.37401	1.07116	0.17325	0.84574	0.27064	1.24246	0.76448	0.56521	1.87612	0.11027	0.61335	0.93298	0.47862	0.46592	0.9979
NRXN1	3.47956	4.02201	4.34392	4.35831	5.52936	4.57451	5.49645	4.61373	4.16273	4.16643	3.84953	5.12864	4.82671	5.26369	5.76297	5.43048
NRXN2	5.09122	5.7021	3.98175	4.98125	3.91963	5.06667	4.49537	3.89634	3.98967	5.16136	4.87172	4.84458	4.09851	4.36458	2.98185	5.28039
NRXN3	3.94952	4.05336	4.28059	4.24417	3.26885	4.01542	3.74113	3.09687	4.19998	4.42191	2.35543	3.48742	4.12592	2.91573	3.97	4.45971
NS3BP	3.98673	3.85394	4.03231	4.19106	3.9057	5.63076	3.89026	4.46867	6.35089	3.7682	6.21461	5.90267	5.84353	4.4695	3.81591	4.13063
NSA2	9.96657	10.8711	10.6273	11.422	10.7267	10.9586	10.9503	11.2398	10.7062	10.6304	10.6212	10.908	11.2154	10.3269	10.3269	10.9225
NSAP11	2.65839	2.23621	3.1811	1.85049	4.76678	3.71116	3.55696	3.17146	3.5256	3.18735	2.52439	2.56799	4.01206	2.83991	3.23099	2.59102
NSD1	5.37698	5.70157	5.97667	5.41796	5.58501	6.31181	5.74238	5.79626	6.1916	5.82384	6.53547	6.28624	6.06161	5.42618	6.15108	5.99292
NSDHL	5.00573	4.85711	4.80682	4.83965	5.4168	4.89773	4.95456	5.48228	5.57862	4.85179	6.27273	4.82982	4.79581	5.76704	5.0435	4.66919
NSF	6.29873	6.36248	6.63879	6.09675	5.65821	5.9209	6.15646	6.42295	6.62218	5.97406	6.36706	6.44674	6.08093	5.86382	5.84809	5.16259
NSFL1C	6.65093	6.52517	6.23514	6.67568	6.16838	6.60644	6.64819	5.43485	5.89027	6.49013	6.70618	6.3843	5.68863	6.84709	6.1073	6.03295
NSG1	7.12429	6.04417	6.51914	6.50979	6.04259	6.94031	6.8731	6.15126	6.03318	7.5193	6.74459	6.85308	5.94251	6.35963	6.71896	5.84579
NSL1	7.38059	7.08315	7.56186	7.32123	7.44394	6.91272	7.10697	7.43124	7.32272	7.31268	7.46892	7.13144	7.25372	7.25051	7.30355	7.46174
NSMAF	5.66035	5.85125	6.35895	5.6175	5.71218	5.97427	5.78904	6.12207	6.41202	6.36411	6.22203	5.66702	5.80361	6.10324	5.54788	6.10097
NSMCE1	10.3269	9.8758	9.61505	9.95743	9.77064	9.78173	9.2077	9.85111	9.82707	9.61651	9.33546	9.8453	10.1842	10.72	10.0123	9.74747
NSMCE2	8.1136	7.92528	8.09739	7.81127	8.43264	7.54991	8.32646	8.28805	7.85153	7.70121	7.56225	7.50456	8.11015	8.50367	8.26602	8.17903
NSMCE4	6.42535	6.51534	6.20838	6.76094	6.9731	6.63394	4.99603	7.01235	6.61588	6.30532	6.96017	6.82903	5.41719	6.56098	6.8502	7.20076
NSMF	3.9256	3.38769	3.23213	4.19971	4.08624	4.08037	4.21561	3.66599	4.12898	5.03122	3.60639	3.55262	3.75766	4.22367	3.4886	4.05789
NSRP1	7.79314	7.94585	8.30243	7.75274	8.23922	7.69565	7.91198	7.81677	7.54736	8.28095	8.0931	7.43293	7.99727	7.96128	8.28729	7.96038
NSUN2	9.02956	9.17096	9.47025	9.33149	9.83745	9.31635	9.96657	10.5181	9.33191	9.13461	9.57303	9.29696	9.30096	9.76219	9.99394	9.51986
NSUN3	5.67812	5.26053	6.22135	6.2126	5.50806	5.72213	5.42694	5.83966	5.11999	5.05491	6.27927	5.26177	5.85731	4.42688	6.17309	5.87873
NSUN4	5.96714	5.339	6.05903	5.42251	5.55605	5.35699	5.65461	5.27487	5.6972	6.0104	5.42798	5.23521	6.3021	6.25329	5.35398	5.89104
NSUN5	8.36919	7.8819	7.93589	7.69452	8.16199	8.14551	8.56298	8.0775	8.5739	7.92842	8.1136	8.96842	7.94114	8.53635	8.44931	8.07963
NSUN5P	7.64555	5.98103	7.22279	5.9069	7.18817	6.21942	7.66306	5.56083	6.2383	6.03144	6.72663	8.29403	5.53149	7.81636	8.00305	6.66158

NSUN6	6.89979	5.92167	7.04836	6.32837	5.14236	6.47159	7.67291	5.84049	6.24425	6.72579	5.91387	5.87534	5.72712	5.95703	6.06363	5.86382
NSUN7	7.56138	6.27641	4.45614	6.86964	6.40739	5.00773	6.47043	5.97368	5.95703	6.10649	5.28201	5.57129	6.26164	6.27756	6.78398	6.40719
NT5C	5.84922	6.57013	6.06906	5.84429	5.36656	5.60325	6.75786	3.46755	5.02308	5.55891	6.53395	7.35339	5.89465	6.84397	4.45196	5.77051
NT5C1A	5.61659	6.05559	5.14777	6.11008	5.50605	5.71355	5.90764	5.58831	5.6132	6.14088	5.91691	5.87762	5.44143	5.55932	5.84153	5.66046
NT5C2	9.87831	9.92568	8.91477	9.59898	9.34899	9.58085	8.59959	9.85721	10.0029	10.3191	9.86158	9.69214	8.97179	9.17506	9.15119	10.0354
NT5C3A	8.56997	9.04936	9.09576	8.6703	9.01581	8.50784	8.89592	9.055	8.42897	8.25881	9.08827	8.57771	9.39209	8.51972	8.56536	9.06963
NT5C3B	9.02285	8.57292	8.33093	8.38151	8.59662	8.8558	8.36944	7.72392	7.78427	8.78708	8.16431	9.35525	9.34108	9.0105	8.73274	9.15368
NT5DC1	6.87082	6.65074	6.65458	6.75751	8.63717	7.04241	8.58624	7.68737	6.92524	6.8133	5.33026	6.62843	7.39133	7.79201	8.37199	8.24481
NT5DC2	5.44182	5.08724	5.18024	5.23405	4.49898	4.76471	5.29269	4.92803	5.48909	6.26067	4.91497	5.9431	5.15827	5.28856	4.51181	6.39572
NT5DC3	4.24629	3.94226	4.56413	4.9024	4.83434	5.22391	5.44837	5.49645	4.70184	5.33781	5.45924	4.10658	3.74113	5.9118	4.84399	4.75073
NT5DC4	5.03472	4.89932	5.95126	4.16067	5.75436	4.85485	4.32501	5.83426	6.58025	5.08025	5.79898	5.89619	5.16028	4.07136	4.77797	5.83707
NT5E	6.32223	6.36788	7.19036	6.46131	5.91931	6.4743	4.63208	5.95242	5.87434	6.80863	7.28649	6.00149	5.50806	5.16727	6.24558	5.67998
NT5M	1.64611	2.1636	1.59211	2.03633	2.61273	2.74824	3.39293	3.8281	1.59296	2.93344	1.44615	4.37137	1.63986	2.44811	1.52655	3.49413
NTAN1	7.64388	8.69402	8.14551	7.60365	8.4084	8.20468	7.71057	8.68947	8.99157	8.24601	8.85744	8.93143	9.00781	7.92703	8.60404	8.32463
NTF3	7.71725	7.74032	7.40625	7.29064	8.79526	8.00305	7.68368	7.16613	7.04821	8.55383	6.63345	8.26668	7.04911	7.77111	8.67259	7.31346
NTHL1	8.45141	7.99684	7.36476	7.82993	7.7621	7.83428	7.8612	7.3119	7.86216	8.18179	7.98956	8.63421	8.6114	9.06063	8.46688	8.8897
NTM	3.53756	4.10265	3.75788	3.64199	3.62835	3.01096	3.3753	3.37974	4.47552	2.91059	3.74792	3.85447	3.26844	3.80927	5.64923	4.4838
NTMT1	6.91554	6.98711	7.21883	7.19055	7.02742	6.98662	6.45737	6.42518	6.74345	7.04564	7.87426	7.56028	7.49773	7.08341	6.83535	7.35544
NTN1	5.49545	4.94502	4.57057	4.60192	5.18766	4.60422	4.91332	4.98318	5.45177	4.38652	4.06587	4.65251	5.33796	5.26091	6.19217	4.45842
NTN3	5.57669	5.51248	5.93974	5.68446	5.34691	5.7251	5.54023	6.2512	5.66485	5.88638	5.84754	5.29334	5.10281	5.83086	3.93945	6.14635
NTN4	8.14751	8.09157	7.87161	8.34481	9.19948	7.98518	7.72798	6.72244	7.23612	8.79751	7.69235	7.25184	6.22022	9.01865	7.26223	8.23743
NTN5	4.9792	6.71311	6.17623	5.91594	6.35998	6.22463	5.70847	6.43957	5.1084	6.08449	6.21121	6.33808	4.92969	6.35762	6.00043	6.11134
NTNG1	3.50622	3.912	4.10127	4.27619	3.63634	3.60464	3.74024	3.72561	4.0977	4.2279	3.85069	3.778	4.25972	3.79318	3.9262	2.99117
NTNG2	5.49464	5.88757	5.66916	4.49557	5.72448	5.448	5.33752	6.26155	5.51676	4.72736	6.05574	6.14938	6.1277	4.43638	5.03876	5.25031
NTPCR	7.35212	7.20976	6.54728	7.12749	7.48798	7.65874	6.90375	6.71482	6.6827	7.05162	7.24953	6.95257	7.3959	7.65874	7.51279	6.85291
NTRK1	3.73406	3.57431	4.01284	4.40668	4.45424	3.71116	2.31492	4.83606	3.00175	5.36656	3.70318	4.57214	2.36805	5.7076	3.37408	4.06288
NTRK2	4.56504	4.35634	5.41634	4.65281	6.09232	6.79006	6.24627	5.16837	5.5628	6.19189	4.1861	5.36903	6.00856	6.26246	5.89084	4.76092
NTRK3	5.48455	5.70671	6.18773	5.71886	5.34336	5.81974	4.56297	5.83049	5.84226	6.84939	5.12208	5.54492	5.22056	5.45895	5.16393	5.44903
NTRK3-A	3.6565	3.94952	3.27793	2.97356	4.41516	3.97251	3.45602	4.70767	5.48228	4.80682	3.13394	5.05314	3.83289	4.44205	4.89474	4.10606
NTS	7.40281	5.97245	5.68932	5.37588	5.20269	6.42644	6.09034	5.91431	6.29946	5.97187	5.75916	5.53516	6.08585	6.60431	5.8105	11.2822
NTSR1	3.41112	3.76552	3.73945	3.64199	3.94739	3.68688	3.74769	3.94809	3.45216	3.50939	3.72995	3.58062	3.61424	3.66246	3.84644	3.80262
NTSR2	1.92303	2.36797	2.70549	2.34348	2.33881	2.27957	2.70047	2.23712	2.31622	1.96807	2.21379	2.04143	2.17097	2.51368	1.92074	2.12859
NUAK1	8.78405	7.41252	8.16934	7.27309	8.00492	10.2227	9.83745	6.74019	8.72673	7.05684	6.7628	8.6574	7.93959	9.34108	8.71998	6.71337
NUB1	5.63729	6.51508	6.2539	5.50296	6.32189	6.39329	6.03567	7.24112	6.54916	6.11992	6.36872	6.49365	6.61588	7.05285	6.44984	6.81917
NUBP1	7.94881	8.05395	7.89011	8.93763	8.50431	8.37894	7.81974	8.00232	7.64001	8.1831	8.05772	8.73934	8.2938	8.37315	8.40127	8.03043

NUBP2	7.09829	8.55331	7.60753	7.2057	7.78669	7.71899	7.69319	7.68698	7.80888	8.20702	7.44915	9.0488	8.96715	8.82789	7.72056	8.04685
NUBPL	6.69747	6.76008	6.07564	5.83329	6.0536	5.60571	5.0047	5.08064	5.56523	6.18035	6.30778	5.87483	6.72976	6.6752	5.49645	6.50721
NUCB1	5.65192	6.71524	5.38841	5.47317	6.15777	5.74585	6.57921	5.39736	6.76425	6.10768	6.08881	6.65003	5.50884	5.51334	6.28643	5.15041
NUCB2	9.47426	8.51364	8.6757	9.00592	7.37167	7.63154	8.14844	8.43537	8.76971	9.06514	8.28645	7.48402	7.11276	7.53547	7.32104	7.34444
NUCKS1	7.4801	6.92582	7.31863	8.02825	7.46689	8.21397	8.15443	7.12636	8.26942	6.77193	7.54819	7.16727	7.97105	7.12681	7.71463	7.5193
NUDC	8.55828	7.97364	7.33526	8.22515	7.21647	6.7168	7.07392	6.85206	7.70612	7.52006	7.63603	7.78199	6.70987	8.10604	6.86932	6.90487
NUDCD1	6.46905	6.8119	5.28201	6.12478	6.8334	6.98246	7.47978	6.09232	5.54464	5.75171	7.34693	6.55245	7.01044	7.20629	6.55112	7.59516
NUDCD2	3.70752	4.23481	4.59755	4.53287	3.88013	3.66935	3.96768	3.65619	4.0846	3.75964	5.2853	4.46011	4.88285	4.77857	5.03715	4.35384
NUDCD3	7.42749	7.27909	7.56307	7.06209	7.17305	7.29896	7.12714	7.41204	6.99346	7.64555	7.27909	7.4963	7.27478	7.28473	7.51588	7.43992
NUDT1	7.49156	8.62766	7.75805	8.22892	8.23238	8.62967	9.41655	7.01614	8.09594	6.70502	8.95954	9.51684	9.41655	8.95432	8.76383	9.46771
NUDT10	3.65286	4.53	4.70639	3.97656	5.10961	4.85938	4.30008	5.72755	4.08804	4.36139	5.17093	4.41415	3.81369	3.76344	5.34036	5.01016
NUDT11	6.36395	5.42705	4.94061	5.65354	7.22958	8.52134	8.12887	5.56628	3.63964	4.73279	5.0985	6.74858	7.00374	7.04039	7.49794	5.7957
NUDT12	4.11592	3.95264	3.16274	3.86449	5.21352	4.46856	5.39398	4.14568	5.18461	4.58884	3.72332	3.27248	4.91109	4.29429	4.32878	4.211
NUDT13	6.40964	6.86826	6.41202	6.90952	6.15674	6.31284	6.10612	7.01211	5.84112	6.27668	5.72288	7.21144	6.25587	5.73039	6.20858	6.8481
NUDT14	6.13436	7.11276	5.91547	5.75768	5.54541	5.76624	6.30759	6.79861	7.06583	5.92319	5.70279	6.98373	7.01407	5.76654	5.49559	5.97591
NUDT15	8.2838	8.3069	7.81359	7.89659	7.95029	8.12233	9.16131	8.75665	8.16276	8.44151	8.51396	7.85146	8.65698	8.79047	8.64298	8.78708
NUDT16	5.73131	5.24253	5.582	5.58617	5.77804	5.47646	5.72735	5.68136	5.58825	5.97943	5.18587	5.31821	5.57669	5.28056	5.2591	5.12636
NUDT16l	8.24623	7.37723	8.11015	8.06908	7.78669	7.77732	7.75751	7.60078	8.36455	8.46227	7.98508	7.91603	8.11688	7.13071	7.85021	7.97557
NUDT16l	5.04939	5.03866	4.80743	4.64006	4.19192	3.6256	3.62944	4.68925	3.93716	4.47351	4.44519	4.1422	4.00961	4.44812	4.03082	4.38106
NUDT17	5.49998	5.9051	5.60896	5.66285	5.44206	5.71111	5.66638	6.16456	5.80439	5.5775	5.45313	5.84244	5.81078	5.83219	5.55505	5.95773
NUDT18	7.32463	7.65979	6.54875	6.20242	6.69878	6.41941	6.85882	6.90293	7.32689	7.88258	7.81534	7.99451	8.00842	6.37294	6.8099	7.39834
NUDT19	8.56536	8.70235	9.09448	8.83744	9.99925	9.20103	10.2628	9.33414	9.35033	8.44731	8.98666	8.37378	9.02378	9.16584	9.60364	9.77798
NUDT2	8.39281	8.59625	8.01932	8.71164	8.19936	7.73284	8.10604	8.04043	7.52519	8.40722	7.72752	7.99727	8.31755	7.42907	8.07647	7.70836
NUDT21	7.01184	7.55589	7.63966	7.46989	7.72984	6.95872	6.1691	7.46505	7.20629	7.13731	8.06678	7.41172	8.38943	7.8444	7.24701	7.7042
NUDT22	5.59967	6.35326	6.29956	5.29504	5.12847	5.23713	6.13485	5.20796	5.11687	6.57417	6.16838	4.18447	6.67783	6.07207	4.75315	4.57559
NUDT3	6.78245	6.76847	6.95167	7.08952	6.47337	6.86811	6.72473	6.233	6.46154	7.01074	6.56131	6.51878	6.40861	6.92808	6.85834	6.20059
NUDT4	6.01633	5.8913	5.58141	5.52281	5.79739	6.15085	6.18578	4.46511	5.4433	5.57367	5.65907	4.99603	5.09234	5.74994	5.95632	4.80326
NUDT5	8.53555	8.32463	8.49143	8.82383	8.51853	8.68785	9.35677	8.7622	8.49182	8.04669	8.79858	7.99984	8.47614	8.97353	8.60184	8.64938
NUDT6	5.42382	5.50576	4.74876	6.56859	5.41101	5.62925	4.82189	5.6132	5.33678	5.0963	5.34141	4.78121	5.5909	6.5312	5.31739	5.25573
NUDT7	6.58198	6.55443	5.7566	6.94306	6.16004	5.93689	6.55569	5.98462	6.11248	5.56338	6.34544	6.28298	5.34036	6.09333	5.49958	6.02595
NUDT9	8.98978	8.74074	8.83006	8.83277	8.80034	9.05969	9.11939	9.50129	9.00167	9.03694	8.54511	8.9171	8.8532	9.33697	8.9619	8.48395
NUDT9P	3.4567	1.44837	2.95766	3.6993	5.03761	2.81599	2.42155	2.30474	4.90488	3.00855	4.35988	3.66815	2.59488	4.73921	3.00483	3.38208
NUF2	5.58309	5.99803	6.07272	3.60342	8.43537	6.28872	8.41149	8.21783	7.79231	3.82085	8.91995	6.34758	7.75362	7.17328	8.06678	8.28199
NUFIP1	6.6015	6.45401	7.25848	7.06035	5.46878	7.25934	7.21213	7.2851	6.79541	7.00304	7.15958	7.15875	6.90375	7.43906	7.1569	7.0263
NUFIP2	8.03332	7.68418	8.09183	7.81302	8.27662	7.66787	7.51709	6.92124	7.88396	7.73837	8.00205	6.85491	7.78878	7.65921	7.7715	7.64749

NUMA1	4.60566	4.9467	5.78301	4.91497	5.48754	5.05302	5.3795	5.07913	5.04974	5.06279	4.874	4.71531	5.08724	5.52577	5.129	5.14958
NUMB	6.39626	6.25598	6.65179	6.0945	6.65763	6.6667	5.92421	6.60003	4.4546	6.25178	6.50447	5.67663	6.10692	5.91118	5.71218	6.12946
NUMBL	7.00326	6.34544	6.66158	6.10559	6.02858	6.69783	7.17913	6.63235	6.39439	6.46578	6.22411	6.43147	6.07822	6.32249	6.33337	6.62245
NUP107	7.87161	8.29809	8.13008	8.01193	9.42229	8.70235	8.51429	9.15245	8.90397	8.24872	9.23091	8.60597	8.91149	9.055	8.72582	8.54987
NUP133	6.01459	6.12673	7.25243	7.06893	7.99841	6.88109	6.74484	7.56925	7.66053	7.67469	7.76686	7.59795	7.84768	6.92778	7.25884	6.50257
NUP153	6.62898	6.42469	8.18506	6.55085	6.9925	7.79766	6.52589	6.46428	6.64277	6.85882	8.11781	5.71495	6.84939	7.09664	7.00962	8.26204
NUP155	6.98274	7.03779	5.34576	5.86647	7.83571	6.79557	7.41057	6.88783	7.78334	7.10844	8.30207	6.36574	7.09088	7.52671	7.46327	7.95951
NUP160	5.64185	5.42053	5.29298	6.23094	5.66285	5.49464	5.52122	6.33819	6.0589	5.75596	6.62843	5.87662	5.50898	4.53792	5.78871	6.0743
NUP188	5.50567	4.75435	4.86304	5.54563	4.7155	5.26279	4.84921	5.22694	5.26512	4.07298	6.02949	5.71975	4.30115	4.32957	4.41131	4.94373
NUP205	5.24005	5.46159	5.81369	5.61894	7.1664	5.46994	6.25856	4.09514	6.6685	5.59367	6.38755	4.23521	5.72807	6.79241	6.62078	7.292
NUP210	4.42735	5.08574	5.24384	5.40356	5.1964	5.38125	5.08461	4.60058	5.63161	4.38776	6.08022	5.97023	4.83281	5.09486	4.73428	5.45776
NUP210L	4.37472	4.69357	4.98606	3.94629	4.98786	5.09342	5.64301	4.84165	5.67537	5.20259	3.92452	5.0878	5.7379	3.62944	2.97605	5.5419
NUP210P	5.2904	5.32827	5.29339	5.65354	5.56689	5.33448	5.62801	6.31316	4.60738	5.38177	5.34415	5.88627	5.47507	5.30223	5.48108	5.66046
NUP214	7.14464	7.24701	7.55918	7.12575	7.03265	6.90032	7.06996	7.49393	7.18124	7.35544	7.1334	7.43016	7.20528	7.43484	7.25567	7.56065
NUP35	8.54112	8.69275	8.95876	8.93625	8.84845	8.95531	9.35033	9.40053	9.24021	8.83547	8.93342	8.29485	9.26858	9.07607	8.98666	9.67664
NUP37	6.9611	6.23723	6.33597	7.40154	8.1215	5.99187	7.04499	7.95757	6.73794	6.47187	7.13187	6.59123	8.01802	8.27087	7.39033	7.41264
NUP43	6.46269	5.89817	6.74298	6.17117	6.84536	6.14938	6.39825	5.91276	5.7905	5.66749	6.19313	5.00035	5.55737	5.97649	7.18309	6.03236
NUP50	5.50079	5.2994	5.61824	5.42135	5.82886	5.49177	5.68702	5.50846	5.91823	5.50917	6.56402	5.0159	5.78774	5.35015	5.46406	5.95754
NUP50-A	7.78755	8.08303	7.20836	7.48402	6.85446	6.91031	7.30095	7.8415	6.5358	6.02979	7.67591	7.25934	7.99026	6.84772	7.36739	6.66446
NUP54	3.56983	4.42448	4.80528	4.1603	6.10649	4.20764	3.46297	4.87682	3.91828	4.61938	5.38643	4.21256	5.56083	5.13175	4.91332	4.89975
NUP62	4.94408	4.62548	5.15717	5.61448	5.5775	5.85235	5.3021	5.35145	5.62183	4.23643	5.80973	4.91332	4.90838	5.32654	4.80207	5.64645
NUP62CI	3.5809	1.86949	1.87477	3.67571	4.66	1.50415	4.41908	5.09531	5.36903	3.19594	4.43507	2.45536	4.03714	3.53715	1.68568	4.13704
NUP85	7.88701	7.33171	7.54151	7.87727	8.34622	8.16905	8.29317	8.50585	8.23325	6.94612	8.59024	7.67544	8.0815	7.76459	7.78878	8.2633
NUP88	6.35935	5.74089	6.32945	6.80386	6.67871	6.19634	6.67956	8.19737	6.09755	6.76142	6.81715	6.12821	7.28322	7.00837	6.73292	7.26586
NUP93	6.51291	6.75374	5.99882	5.80335	5.79211	5.12779	5.50296	5.66603	5.67487	5.55094	6.56446	4.8404	4.54176	5.62533	5.74722	6.46361
NUP98	6.76064	6.28211	6.38755	6.82274	7.14716	5.79752	6.56658	6.16895	7.39456	6.66575	6.95299	5.92068	6.21679	6.90134	5.84601	6.76368
NUPL1	6.0402	4.93087	5.77971	6.0697	5.93259	6.38755	5.62694	5.44143	6.04533	5.75961	6.73338	5.55632	5.79149	5.5763	6.31108	6.13292
NUPL2	6.85031	7.0876	7.60335	6.8906	8.27971	7.15975	5.09328	6.46239	6.59326	6.22685	7.51172	5.99877	7.63257	8.34289	7.48453	7.84936
NUPR1	9.05155	7.83054	8.14205	7.99187	7.72774	8.08705	8.19509	7.68616	8.13277	8.7291	7.99167	7.46202	8.12977	9.37224	7.91303	7.32487
NUS1	5.40516	6.46938	7.1371	6.13518	6.89428	5.33359	4.94152	5.65877	6.58645	7.44793	6.71288	4.96429	6.45669	5.32479	6.25794	6.35913
NUS1P3	2.30837	2.39163	2.33881	3.04143	2.02496	2.39513	1.85693	4.70767	6.30604	5.42929	2.13586	3.35152	3.99596	2.37224	2.86345	5.467
NUSAP1	5.81948	6.41859	6.15488	6.36589	7.02171	6.64551	7.04754	7.34773	6.72122	5.37108	6.69966	6.26737	7.40067	7.00172	7.21911	7.56639
NUTM1	5.05229	5.61405	5.28829	4.99004	4.71037	4.99004	4.90058	5.58003	4.42934	4.9244	5.82413	4.69384	5.1964	5.38601	4.51531	4.54463
NUTM2A	5.57669	4.86753	5.2998	5.01314	5.99292	4.87162	4.79031	5.70528	5.3788	4.85694	4.66895	5.55865	6.10048	6.34106	5.51058	4.86201
NUTM2B	2.72538	2.26456	2.42383	2.28551	2.39414	2.42212	2.31492	2.34717	2.53538	2.61134	2.18694	3.07028	2.26476	2.65463	2.43868	2.49784

NVL	2.50129	5.38965	2.68367	5.48503	6.88982	3.601	6.00238	6.15282	4.62638	3.13394	6.15188	2.48941	6.51344	3.44975	5.28699	6.78323
NWD2	3.11441	3.45279	4.6592	2.28551	3.92606	3.17101	2.73211	3.50531	3.38569	3.86818	4.3923	4.92065	2.92938	2.62575	5.16259	2.53538
NXF1	7.92577	7.67251	8.29732	7.70787	8.77378	8.22428	7.52337	8.20539	7.82975	7.89278	7.81285	8.13222	7.79416	8.9068	8.31293	7.94046
NXF3	3.47743	3.87574	2.60906	3.82065	3.08379	3.16009	3.24817	5.4645	3.76414	5.57669	3.39031	4.43096	2.84967	3.50666	2.64083	5.14709
NXF5	5.90876	5.78864	6.34341	5.58812	3.66644	5.18115	5.38235	5.85352	5.94126	3.92077	6.18738	5.45382	4.38612	5.62176	5.13206	5.07126
NXN	9.66243	9.58269	9.59327	8.91676	10.1423	9.48403	9.8837	10.071	9.40143	10.0722	9.05155	9.36926	9.76893	9.22973	9.95652	9.92274
NXNL1	3.47335	5.40961	3.27793	4.91782	3.0533	3.01096	5.0271	5.20188	3.06765	5.85517	5.9848	5.77769	6.05873	4.60279	5.6169	4.85485
NXNL2	3.5501	4.78923	3.09945	0.47227	1.20215	4.50567	3.16512	2.8638	2.5663	3.00855	0.48812	4.59609	2.54194	4.85467	2.59102	2.4366
NXPE1	4.5349	4.91953	4.72387	4.7155	4.66973	4.79031	5.11814	4.24124	5.28169	4.32178	4.43372	4.83573	4.84587	5.12587	5.04401	4.71667
NXPE3	5.14928	4.10658	5.76856	5.38217	4.49604	5.64066	5.04076	4.81317	4.82733	5.41338	5.57414	4.68428	4.008	4.60009	5.05469	4.59004
NXPE4	3.20944	2.95972	3.30294	3.1994	3.39606	2.76484	3.18384	3.55509	2.95663	3.41751	2.91487	2.97562	3.07124	2.25724	2.72952	2.79166
NXPH1	4.53702	4.97234	4.62423	3.54894	3.48434	4.39841	4.935	3.8281	5.05885	2.38782	4.61069	4.08601	5.17844	2.54935	2.29341	3.32854
NXPH2	3.33257	3.70267	3.83939	4.16757	3.38887	3.83921	3.82945	3.41948	3.64695	4.08503	5.01176	4.54546	3.79285	4.64822	3.40139	3.88289
NXPH3	5.51648	4.77676	5.26645	5.44574	4.75687	5.15094	5.39798	4.83417	5.60443	5.78962	5.11171	5.76238	5.04401	4.20427	5.77903	5.32208
NXPH4	3.35226	5.31895	4.19043	6.0002	3.36671	3.65332	4.79031	2.75656	4.28832	2.15841	3.16885	5.30957	4.2307	4.64607	3.27847	4.81692
NXT1	7.1455	7.18124	6.92271	8.05758	7.79266	8.16761	6.87036	7.0935	7.71938	6.86669	8.17657	8.5744	8.37645	8.1831	7.91877	7.62153
NXT2	5.85168	6.34219	5.59367	6.77308	7.432	6.72304	7.43547	6.51846	6.12115	6.71896	7.17866	6.70141	7.98356	7.63559	7.30509	7.23063
NYAP1	6.94501	6.93537	7.51025	6.67625	6.22371	6.70681	5.95685	6.21237	6.62664	6.39685	5.63216	5.58361	6.25397	6.49681	6.51043	6.6026
NYAP2	5.2775	4.71747	5.31006	5.27329	5.75909	5.84566	5.75951	6.19148	4.64364	6.15963	5.73705	5.74275	5.42243	4.68646	5.53021	3.50454
NYNRIN	6.24408	6.03198	4.54463	4.21125	5.85003	3.50802	3.45602	3.61778	6.56658	4.81582	4.3863	3.41704	4.53653	4.1099	4.14453	4.18842
NYX	5.55253	5.89386	3.84704	4.99461	5.28812	4.90556	4.67447	4.93457	4.35634	4.39454	5.05935	5.72016	5.14034	5.40376	5.52307	6.25418
Ndufaf4	3.85425	3.09358	2.96792	2.1445	3.39606	2.24655	3.58877	2.81438	2.35886	3.55696	3.47644	2.97562	3.78698	2.13594	2.16493	3.66526
OAF	4.6656	4.57949	4.93532	5.50806	5.24301	5.30469	5.19399	5.11677	4.77111	4.53	4.06156	4.35308	4.24673	5.19004	4.24825	5.5803
OARD1	8.15216	7.88778	7.80406	7.86466	7.91603	7.34936	7.0755	7.83193	7.29262	7.71648	7.50536	7.53498	8.12724	8.09594	7.88862	7.8583
OAS1	6.08596	6.98908	7.83883	7.01184	7.53803	6.88783	7.69134	8.45696	7.28741	7.09315	8.58812	7.78755	7.70306	7.57023	7.54165	7.39805
OAS2	5.91563	6.54142	6.03826	6.19018	6.6447	5.7874	6.28284	6.99808	6.6025	5.42546	7.63154	6.24442	6.72093	6.12725	6.12725	6.39214
OAS3	4.0601	3.0432	5.37653	3.35919	5.35784	5.0084	5.0289	6.10048	5.61194	4.124	6.8232	4.24238	4.13938	4.18179	5.11089	3.70116
OASL	6.61706	5.73281	7.1553	6.71221	6.54549	6.30147	7.03226	7.73665	7.17072	6.90303	8.19792	7.32935	7.17866	8.73982	7.41204	7.94631
OAT	11.2324	10.8621	11.4058	10.5124	10.6233	10.1401	10.7596	9.58085	11.2075	10.6212	10.2257	9.65062	10.3765	9.65751	10.371	9.50261
OAZ1	11.1818	11.4345	11.741	11.7002	10.6212	11.2558	9.95833	9.88096	10.3502	11.118	11.4758	12.0258	11.3246	11.4758	10.6118	10.794
OAZ2	8.44288	8.42938	8.57193	8.63124	8.36919	8.92921	8.84184	7.9765	8.2838	8.13104	8.43537	8.84082	8.53909	8.86638	8.68396	8.52134
OAZ3	3.65455	4.35456	3.27048	4.39747	4.43669	3.31135	3.28265	4.00145	2.55232	3.8877	4.28615	3.01059	3.13363	3.19128	2.99399	4.70335
OBFC1	7.23779	7.16831	6.99069	7.57081	6.90375	7.32914	6.97857	7.61336	6.62549	7.66076	6.92116	7.17376	6.78362	7.32333	7.08815	6.73005
OBP2A	3.13915	2.86953	2.75132	2.86327	3.13363	2.66915	2.99916	3.30279	3.21843	3.06481	2.87641	2.90323	2.30837	3.02599	2.60771	3.7572
OBP2B	2.30837	1.9808	3.37247	2.61385	2.21727	2.78532	2.3531	2.49961	1.53958	3.3263	2.77081	2.59016	2.83935	2.37224	3.04901	3.29988

OBSCN	4.77367	3.90987	3.39559	3.67301	5.34906	4.23539	5.19838	4.00025	4.70093	4.14676	4.40651	5.79118	4.38394	4.9633	3.67214	5.13823
OBSL1	6.10884	5.15941	5.38803	5.40426	5.80882	5.63274	5.51686	4.75823	5.49021	5.80143	4.71918	6.18203	5.48664	5.26934	5.83086	5.48925
OCA2	7.18935	7.27093	7.36617	7.1585	7.55319	7.59141	7.28174	7.65477	6.67266	7.02223	6.73909	7.01721	7.23063	9.47648	6.69731	7.49709
OCEL1	8.31951	8.15584	7.4744	7.78334	7.40457	7.8664	7.09026	7.62511	7.95029	7.92001	7.40154	8.25405	7.80696	7.37536	7.36657	7.81803
OCIAD1	7.06274	7.01539	7.32176	7.08284	7.15452	7.20792	7.01929	7.24292	7.18175	7.48777	7.19735	7.38369	7.39033	7.02582	6.70344	6.93931
OCIAD2	9.8403	9.76219	8.75206	10.1061	9.36648	10.494	9.28374	8.52134	8.89342	8.9619	9.01766	9.92959	10.3045	10.7996	9.9764	9.59327
OCLM	5.92582	5.59687	6.68069	6.35062	6.07037	6.10352	6.27821	6.45541	6.41511	3.97041	5.66075	5.61969	6.9368	6.79541	6.27435	5.82006
OCLN	6.03011	5.66911	5.37722	5.77746	5.63022	4.46303	6.94003	6.42617	5.94857	6.29386	4.99785	5.26248	5.84429	5.90396	5.34019	4.74107
OCM2	5.61659	5.36162	5.26993	5.93552	5.90098	6.0054	5.99786	6.41892	4.82953	6.11583	4.96638	5.33379	6.05071	5.90062	5.35492	5.91276
OCR1	2.70064	2.59102	3.44341	2.52969	3.49824	3.96435	4.05033	4.27613	3.27349	6.06084	2.8192	3.23711	3.53101	3.01384	4.82932	3.24808
OCRL	5.88995	6.5166	6.67266	6.20756	6.28592	6.21535	5.26512	6.34505	6.21895	6.84366	6.35462	5.95336	4.83383	6.46724	6.16754	5.76532
ODAM	5.98312	5.30145	6.8537	2.55745	7.79909	5.62765	4.26699	3.31083	4.63412	8.69776	3.57447	3.18013	3.16183	3.09139	4.58644	5.97739
ODC1	9.53788	10.6607	9.79203	10.0697	11.2398	11.7733	10.9849	10.908	11.008	10.6351	10.9849	10.1981	9.52486	11.4424	11.0825	11.1275
ODF1	6.49934	5.78864	6.7349	6.72676	6.46539	6.37156	6.80078	7.207	5.90229	6.43304	6.58787	6.78987	6.87459	6.42667	6.42309	6.51033
ODF2	6.59622	5.83023	5.14354	5.12406	5.64598	6.22315	5.09175	4.64846	5.56014	4.59901	5.35015	4.91953	4.90672	5.16933	5.46569	5.63752
ODF2L	6.3827	5.47271	5.36964	5.96608	6.07332	5.75467	4.60609	5.18567	4.81941	4.67745	5.37003	4.79518	5.40356	4.99511	5.66305	4.8435
ODF3	4.67069	3.58903	3.91963	3.80262	3.91052	4.61957	5.64638	4.31046	3.517	4.72867	4.47902	4.27983	3.92927	4.74319	4.68387	3.85069
ODF3B	5.59579	5.46187	5.24948	4.94808	4.99785	5.24084	5.32479	5.11456	5.56699	4.9904	5.58003	5.66075	5.20903	5.07599	5.26108	5.39676
ODF3L1	3.62466	5.12855	2.59102	2.61385	4.85056	4.9311	2.23396	3.15288	5.0773	5.1056	4.90058	4.84165	3.05227	6.53972	3.0951	2.22886
ODF3L2	5.03573	5.85056	4.31281	2.72117	2.18367	3.41719	2.56625	3.08616	5.03513	5.35295	2.52439	2.20167	2.7137	3.24563	5.47388	3.48415
ODF4	4.76678	4.96487	4.95436	4.73241	4.4239	4.51099	4.93015	5.37493	5.10669	5.44553	4.02516	5.43934	4.35078	4.98681	3.97032	4.91008
OFCC1	4.21204	4.37922	4.04173	3.778	4.20048	4.37651	3.85459	4.30055	3.6454	4.51847	3.76249	3.86881	3.75132	3.85721	4.25647	4.10354
OFD1	7.99006	7.59935	7.25522	8.01323	7.55025	8.12977	8.19059	8.29809	7.77998	7.25205	6.80592	7.16285	7.19165	7.40819	7.51436	7.02837
OGDH	3.78181	3.56319	4.10281	3.99254	3.30112	3.98645	4.68783	4.21365	4.307	4.63552	4.05144	4.27479	4.78796	3.71265	3.7862	4.09395
OGDHL	4.01048	4.16408	3.85298	3.61465	3.29261	2.88086	3.39293	3.6374	4.12898	5.05621	3.14656	4.9875	3.78698	3.85416	4.01749	3.10689
OGFOD1	5.42546	6.12646	5.59831	5.96113	6.46097	6.02828	7.05684	6.83051	6.3022	5.21484	6.68544	6.36989	6.93537	6.63674	6.63953	7.01967
OGFOD2	7.82787	7.52478	7.23475	7.54594	6.64251	6.98932	7.29669	7.31017	7.00926	7.32389	7.24245	8.64502	7.2218	7.78616	6.96875	6.99895
OGFOD3	7.56947	7.68215	7.34135	7.35304	7.32228	7.1008	7.30165	7.4807	7.15273	8.08673	7.60892	8.70926	7.57158	7.5111	7.09619	7.73431
OGFR	4.28781	5.94097	5.43204	5.18334	4.68296	5.46099	5.0723	4.1555	4.94638	4.37968	4.91008	5.43394	4.25015	5.60325	4.9553	5.20976
OGFRL1	7.73665	8.46273	7.93391	8.03799	9.3245	7.78475	9.55087	9.11792	7.53361	8.53855	7.689	7.40067	8.22674	8.82067	8.68624	8.52275
OGFRP1	5.61093	6.74472	4.40279	5.7533	5.56052	4.36427	4.4903	5.20645	4.30345	4.00197	5.70745	5.11046	5.94746	5.96474	4.34713	6.35947
OGG1	6.18406	6.22536	6.45276	6.03933	6.75738	6.02499	6.86964	5.37062	5.56916	6.42644	5.88542	5.96988	5.91616	6.29935	5.57483	6.32405
OGN	5.10597	3.5199	4.12155	3.111	3.23269	3.13884	1.70353	3.46662	1.78986	7.23024	1.53004	3.62721	2.74824	2.03544	3.55612	2.5663
OGT	6.27228	6.9197	7.472	6.90589	7.64185	7.25567	6.70524	7.09873	7.49773	6.89788	6.25548	7.02866	6.65787	6.06247	5.70847	6.38034
OIP5	5.07215	5.75283	5.96686	5.56651	6.92317	6.37469	6.75984	5.70528	6.37156	5.36306	7.16343	7.61499	7.13574	7.528	6.79281	7.26549

OIP5-AS1	8.154	8.34233	8.14808	8.4499	8.62607	8.90826	8.0511	8.18994	8.44211	8.2181	7.59765	6.87653	7.95203	7.94114	8.53799	8.15363
OIT3	5.92582	5.59938	6.39352	6.12617	5.34691	5.91118	5.63452	6.47461	5.70661	6.43506	5.11801	6.30064	5.94565	5.31211	6.02588	5.91883
OK/SW-C	5.26165	3.94952	5.20817	6.03446	5.86129	3.76182	5.56307	3.86842	5.42436	5.12708	4.34817	5.76939	5.8673	3.41704	4.22871	4.00732
OK/SW-C	2.40819	5.78516	5.13395	3.27048	4.91541	4.30957	2.3531	5.04171	4.18653	4.34627	4.3025	4.53637	4.72178	3.44975	5.10259	3.83921
OLA1	8.20748	8.14844	6.91061	7.95951	8.94055	8.98153	10.2444	9.49953	7.67964	8.46536	7.67681	7.21934	8.84687	9.80078	10.0844	9.55838
OLAH	4.46957	4.83281	4.49355	4.27649	3.44577	4.65451	4.19903	4.47233	4.83573	3.49924	5.35896	4.97512	4.91768	4.60513	4.83726	4.23422
OLFM1	5.06959	6.44702	5.79242	5.93748	7.84768	7.42208	6.99189	6.44533	6.42602	5.563	5.70887	6.94344	7.363	6.96741	7.72681	6.74984
OLFM2	4.34203	3.30026	2.94797	4.89975	3.75099	4.29854	2.98815	3.27157	5.26828	2.85867	3.27847	3.18013	3.07124	4.00373	3.4886	2.81134
OLFM3	4.35356	4.68029	4.71261	4.56594	4.41965	4.98595	4.39265	4.71037	3.76249	3.98702	5.16049	3.94431	4.6793	4.69357	4.32015	4.51056
OLFM4	3.81865	3.84364	4.12524	4.96023	6.81728	2.60961	4.41106	2.10233	4.3624	6.60667	3.20659	1.41969	3.36189	5.89027	4.83434	4.30978
OLFML1	5.28282	5.2325	6.60321	6.07849	6.17343	6.65808	5.95685	6.6495	6.4813	5.7104	6.16536	6.1153	5.24301	4.4695	6.64772	5.59155
OLFML2	7.5342	6.25699	7.53386	6.0945	6.65084	6.18773	6.73729	6.00213	6.36841	6.60899	7.04836	6.21882	6.56438	7.11716	6.83992	5.43189
OLFML2	6.77263	6.81688	7.93861	7.11579	7.35627	6.95795	5.2563	7.95171	7.83883	6.79087	7.743	7.39033	6.78789	7.01426	7.74091	7.32104
OLFML3	7.03191	8.49676	8.37443	8.38415	8.33277	8.42097	7.35932	7.40032	7.62953	8.82218	7.57741	8.9068	6.12219	7.12385	8.55961	8.05738
OLIG1	4.81177	4.28339	4.83835	4.92187	4.67141	4.38727	-0.238	1.79233	4.85113	5.28694	4.2954	3.69374	4.59065	4.87894	3.89112	5.74611
OLIG2	4.27841	3.47019	4.18221	4.17917	4.18506	3.8926	4.1094	4.89829	5.26485	4.35917	3.64617	4.5681	4.89804	3.89495	4.11808	4.28727
OLIG3	2.37329	2.49227	2.27099	3.3738	4.81676	1.00765	5.42833	3.52249	4.81378	3.05259	5.02998	3.29115	6.0009	3.24563	2.36623	1.73976
OLR1	5.71324	5.47155	4.69108	6.30186	6.0605	5.8754	5.35053	5.80143	5.45313	5.6662	4.96344	5.58627	6.51043	5.48108	5.65169	5.87771
OMA1	9.00702	8.24318	8.5483	8.77677	8.50543	8.15692	8.10571	8.63277	8.06352	7.92486	7.8754	7.09327	8.20967	8.44366	8.34076	8.93712
OMD	4.7492	4.06326	5.02851	3.83175	5.53539	3.32575	4.08748	3.59079	3.2194	6.18943	3.57258	3.25894	2.36284	5.18643	6.27955	4.22631
OMP	1.54854	2.18884	1.82328	1.26539	1.80599	1.68859	1.85693	2.43067	1.92414	1.59139	1.63512	2.10229	1.97096	2.22838	2.3168	1.27255
ONECUT	3.5501	4.5803	4.35197	3.66594	4.73152	3.8659	5.4508	4.25669	4.7581	4.15112	4.24944	3.7042	4.59673	3.91524	4.00819	4.15607
ONECUT	4.47992	4.34651	5.14656	4.36763	4.54546	4.37824	5.72369	5.24995	4.91999	4.47073	4.94373	4.97201	4.81338	5.0241	4.72807	4.94282
ONECUT	3.84315	3.27087	3.77106	3.49407	3.2065	3.76182	3.29192	3.88575	3.63964	3.57327	3.30436	3.58062	4.42745	4.04773	3.79392	3.24808
OOEP	4.51805	5.03176	5.38651	3.68112	3.71929	6.18973	5.01511	5.62022	3.35168	3.05259	5.15063	6.27509	4.4044	5.10272	5.37234	5.25333
OOSP2	5.38994	4.61283	2.86268	4.73609	4.20446	3.04945	2.42155	3.71916	4.36917	2.97414	3.29289	2.95936	5.42917	1.84505	4.026	2.19188
OPA1	6.10023	6.79415	6.14992	6.78596	6.85943	6.31723	6.60878	6.70042	6.34361	6.95795	7.16687	6.85041	7.26214	7.37635	7.28212	6.98662
OPA3	5.93318	5.31821	5.88181	5.60742	5.76027	4.73171	5.47317	4.29377	5.68112	4.98389	5.07516	6.12427	3.94138	4.87083	4.99999	4.03231
OPALIN	3.04535	2.36797	1.41969	3.56531	2.0729	2.67969	3.00912	3.94809	2.86093	2.34717	2.75175	2.2743	5.41169	2.62575	4.48521	2.63794
OPCML	4.58568	5.22533	5.3962	5.09956	4.73847	5.08498	4.03198	6.06151	5.78411	5.21589	5.20662	5.57103	5.57083	4.50587	5.62901	5.17386
OPHN1	8.99433	9.15554	8.50291	8.90934	8.72368	8.73274	9.53098	9.4206	9.29432	8.84034	8.34385	9.0096	8.95146	8.73312	8.99622	8.86001
OPLAH	5.06203	5.60909	5.1863	5.70272	3.78235	6.08246	6.10873	4.68363	6.05841	7.01959	5.96025	6.54916	5.6866	4.01187	5.23625	5.33214
OPN1SW	2.79297	2.39163	2.74259	2.43076	2.02496	2.24655	2.06028	2.49961	2.93758	2.69205	2.56627	2.01179	2.2085	2.31516	2.26702	2.26153
OPN3	6.67496	7.1961	6.8177	7.42056	7.62033	7.38533	7.72037	6.96875	7.64325	6.85454	6.47564	6.78913	7.24953	6.50979	7.91731	7.44372
OPN4	3.16429	3.16637	3.22117	2.79365	2.97095	3.01096	4.16867	3.74908	3.75611	3.92077	3.32655	3.79097	4.03129	3.49255	3.4886	3.57557

OPN5	5.49958	5.49685	5.54336	5.33379	5.45776	5.92983	5.8259	5.53294	5.17275	5.77673	6.28525	6.08864	5.50496	5.54484	6.88319	6.24136
OPRD1	2.27273	2.31976	2.35871	1.444	2.71531	1.73976	1.54854	1.86949	2.81157	2.93344	2.85145	2.79123	3.21485	2.72254	1.97136	2.63794
OPRK1	4.19766	4.68499	5.2068	4.43787	4.56179	4.65694	4.24124	5.09814	4.77676	4.51765	5.26248	5.46303	5.59687	5.24525	5.38939	5.02124
OPRL1	5.20312	5.5524	5.35652	4.87525	5.35382	5.41227	4.45019	4.71408	5.59792	5.68517	5.04296	5.22886	5.77804	5.40326	4.58884	5.32867
OPRM1	4.08748	5.5143	4.26663	4.49693	3.48948	3.73244	3.88402	4.40557	3.77125	4.57543	4.00169	3.99254	4.41182	4.08085	3.9378	4.06695
OPTC	6.28624	6.83889	6.48633	6.1427	6.67992	6.21045	6.076	6.78548	6.86841	6.7154	6.39542	6.86898	6.58532	5.95819	6.74325	6.78871
OPTN	9.07714	8.9826	9.49156	9.05078	9.40713	9.60515	9.46371	9.75247	9.18918	8.83478	9.44403	8.91873	8.99622	8.98061	9.33149	8.82456
OR10A3	3.61885	3.39491	4.42997	3.14882	3.81063	3.50476	3.24799	3.24799	3.70835	4.27105	4.33587	2.90406	4.09708	3.34015	3.38031	3.1532
OR10A4	5.31712	3.61956	3.74811	3.91668	3.70286	2.88086	3.55696	2.78286	6.05243	4.56572	3.68444	5.46793	3.80685	3.14828	3.72694	5.14578
OR10A5	4.58086	6.01219	5.46222	5.49184	4.89904	2.24655	5.43281	5.9608	3.6241	3.79424	3.93173	5.02595	5.5025	4.29638	4.14453	5.19512
OR10C1	3.39513	1.67217	1.64561	3.42644	2.81309	1.68859	2.98815	3.6374	3.09248	1.49394	3.49378	5.04593	3.96898	3.94866	4.61929	3.01871
OR10D1F	5.00206	6.02198	5.52649	5.50846	5.68558	5.53096	5.0631	5.16906	4.77009	5.42694	5.01027	5.50576	5.9069	4.26663	5.49973	5.1842
OR10D3	6.05975	4.48323	6.11134	5.00238	4.51349	5.12561	4.77096	4.70305	4.64006	5.4168	4.90758	4.42968	5.01151	5.47492	4.76471	4.42144
OR10H1	7.23414	7.10517	6.68069	6.62241	6.35585	6.84575	7.48498	7.62983	6.39306	6.88467	6.97441	7.7642	7.89659	7.11716	7.5193	6.84655
OR10H2	1.11909	1.40126	1.26539	1.11532	1.48455	1.85868	0.93298	0.88665	1.18021	1.28097	1.1038	1.3666	1.4697	1.4899	1.00765	1.21992
OR10H3	5.94573	6.05559	6.55737	5.90568	5.97782	6.19367	6.64167	6.6651	6.42136	6.71324	5.99707	6.44639	6.14652	6.20065	5.54701	5.89474
OR10J1	2.70064	4.97582	4.25043	3.6916	5.36162	3.91828	5.21321	4.42433	3.19069	4.75195	3.23213	2.36593	6.16902	3.78375	4.58061	5.94638
OR11A1	3.61236	2.46272	2.70549	2.61385	4.18809	4.42491	4.15069	3.94809	3.02333	3.85542	3.56921	2.44179	2.49591	2.16332	3.32134	2.84751
OR12D2	4.12999	3.18041	4.87909	4.35425	3.24511	3.65332	4.35645	3.47335	4.40538	5.67091	4.57799	4.13105	5.82023	3.31071	3.52918	6.0757
OR12D3	4.57516	2.23621	4.03916	3.6993	3.10976	4.56285	2.27576	3.73495	2.92006	4.5431	3.21922	3.35152	5.30133	3.26302	3.68625	4.96263
OR13C4	3.81413	4.17188	5.09372	4.55333	4.96785	4.80703	4.36688	3.95382	4.20135	4.50911	4.25437	4.71261	4.14078	4.65498	4.04442	4.08349
OR14J1	5.50837	3.32466	5.1367	4.34751	4.26628	3.27349	4.57297	2.13755	3.95837	4.85072	2.68367	3.33905	5.13767	2.41572	4.8213	4.47888
OR1A1	4.1934	4.51165	3.98497	4.64889	4.50537	3.87636	4.37306	4.77096	3.31034	4.56572	5.43775	4.873	5.03426	4.2645	5.22992	4.32644
OR1A2	5.65081	5.16804	4.01284	3.95382	3.42572	4.69801	2.63794	2.88789	3.2065	4.10188	4.25636	5.62501	5.25748	3.79618	5.28144	4.2654
OR1C1	6.25598	5.3392	6.34408	5.74785	5.08302	5.40703	5.57201	5.70049	5.16743	4.61145	5.28169	5.66035	6.60899	6.16481	5.67243	5.90151
OR1D2	6.06651	5.34983	6.49197	4.05472	5.5274	5.60571	5.63956	6.45798	3.27349	5.5278	5.12779	6.55434	4.22425	5.86754	5.76606	4.96683
OR1D5	3.0835	3.31135	2.68367	3.31099	2.71531	3.35168	4.22754	3.41422	3.02333	3.5256	3.23213	3.45239	3.43133	2.16332	3.29289	3.54848
OR1E1	2.27273	4.2388	2.29132	2.22193	2.33881	4.82763	4.72349	3.97032	4.24836	3.05259	3.60639	5.42908	2.96494	3.80927	3.46534	3.32854
OR1F1	5.99039	4.62359	2.98152	4.2786	4.07562	2.69944	5.62801	4.35762	4.32665	3.13394	5.45459	6.14728	6.69536	5.89557	3.57849	6.03191
OR1F2P	6.26381	5.00579	5.95819	6.10744	5.23329	5.74089	4.63503	6.04567	4.84572	6.07145	3.64053	6.75972	6.11965	6.88935	6.11992	5.90515
OR1G1	2.08404	3.31135	1.95191	2.38778	2.18367	1.90997	3.47278	3.88575	3.22752	3.74711	2.56627	3.47261	2.46016	1.84505	2.21248	2.04035
OR1I1	6.63886	6.56664	6.49499	6.6651	6.37502	6.40279	6.72093	6.80197	7.05802	6.75056	6.97946	6.44906	6.90313	6.21786	6.54488	6.68051
OR1J2	5.15309	4.64769	4.81438	4.27501	4.7659	3.55528	4.57473	4.23009	4.26797	4.35356	4.37083	4.81317	5.50389	4.43188	4.00611	4.58588
OR1J4	4.43596	4.56898	4.28892	4.75459	3.23578	3.21303	4.3194	3.94319	3.07738	4.14706	4.35134	4.03747	3.41223	2.96542	4.09878	4.65523
OR1Q1	4.91388	4.23681	4.45424	4.25556	4.38855	4.92092	4.86169	4.42688	4.71689	5.25551	4.52167	4.92195	4.10828	4.89293	4.6787	4.94242

OR2A4	4.75761	5.9868	5.6146	3.72039	3.33875	4.00784	3.42552	5.22564	4.32124	4.91332	3.45744	3.76552	2.26476	3.29459	3.8556	4.96683
OR2B2	6.66438	5.28273	6.29699	6.44172	6.02014	6.1277	5.83474	6.15572	5.75308	6.68938	5.7256	6.36735	7.00157	6.66394	5.6968	6.14843
OR2B3	5.28282	5.05825	3.73527	5.46594	4.95382	4.90919	3.58877	3.99573	4.3125	4.30135	4.10776	4.47148	4.18518	5.39029	5.2002	4.65128
OR2B6	6.10768	6.03648	6.41202	6.41692	5.88955	5.38924	5.57489	5.74316	6.84527	4.15112	5.1842	6.35935	4.72178	6.12371	6.49013	5.92292
OR2C1	4.60678	3.13884	3.37247	2.52969	3.38334	3.49365	3.32901	3.93793	3.11326	3.29126	3.981	2.8813	4.20792	2.74868	3.69726	3.37025
OR2C3	4.14888	1.16965	3.6244	4.1299	3.66644	5.11891	3.08298	3.60236	4.16584	3.80685	4.15843	3.96659	5.15157	4.05603	4.44362	1.89302
OR2F1	5.18934	3.38769	4.60388	4.75966	5.16753	3.72561	4.10344	3.79039	4.03549	3.46275	3.40575	4.0069	4.42745	3.49255	3.29289	3.95427
OR2F2	3.78698	4.90452	5.24098	4.78962	4.86578	2.88086	4.85299	4.58601	4.39872	4.22052	5.30561	3.74466	5.72346	5.06976	4.77313	4.83492
OR2H1	4.20397	4.7056	3.85966	4.04356	4.03916	3.88108	4.66168	3.78553	4.32423	4.04939	4.08687	3.97214	4.71933	4.08778	3.92591	4.03451
OR2H2	5.94119	5.31712	5.14307	5.8266	6.0002	5.55865	6.49631	6.5885	6.00079	5.66394	5.06778	6.02997	6.36411	6.34934	6.14565	6.63119
OR2J2	2.74206	3.05435	3.73197	3.59749	3.77425	4.10127	3.52918	2.9174	3.73731	3.81426	3.83136	3.82301	3.59491	4.06086	4.33509	3.60416
OR2J3	1.54854	3.91554	1.59211	2.79365	2.18367	3.01096	2.31492	2.17246	2.28837	2.47565	2.6113	2.38821	2.42653	2.51368	2.95994	2.65953
OR2K2	3.64739	5.21372	4.0032	2.48854	2.64433	4.78492	4.2003	5.15027	4.0279	4.14737	3.30935	5.16906	3.87503	3.69095	3.23662	4.82364
OR2L13	4.1934	2.56774	4.38727	5.3149	4.26628	2.72526	2.83966	4.83606	3.31034	3.57327	4.30729	3.97679	4.97697	5.12155	2.00801	3.49413
OR2L1P	3.22968	3.87292	3.50907	3.41769	3.56284	3.69577	4.46421	2.54613	2.51481	3.383	3.40051	4.08258	4.06184	4.22557	3.13052	4.01612
OR2L2	5.76823	5.60149	5.80509	5.13064	5.15216	5.80642	5.60407	5.81304	5.91431	5.61572	5.75568	5.07767	5.96359	5.30419	5.02998	5.64371
OR2M4	5.36091	5.37249	5.64632	4.9796	5.71442	5.55081	5.17051	6.29386	5.74642	5.75987	5.69888	6.06551	5.42372	5.58299	4.54756	6.13885
OR2S2	4.9553	5.63076	4.73799	6.79158	5.18115	5.37627	6.16473	4.94439	5.17602	5.75475	4.37803	6.28592	5.61659	6.00821	5.7006	5.07599
OR2W1	1.96392	3.25613	5.09112	4.36112	4.58067	4.92674	4.06264	4.23662	4.3125	3.46275	5.3948	4.60738	5.3226	4.72155	3.43307	5.41917
OR3A1	3.20944	2.36797	3.16713	2.95827	3.36671	2.31052	1.80024	4.62117	2.79078	3.18735	2.83774	2.86273	3.61424	2.79431	2.26702	4.30978
OR3A2	4.64929	5.45949	5.32297	5.25444	5.0817	4.1494	6.13169	5.74912	5.94746	5.29504	5.03656	5.99416	5.12297	5.43004	5.24336	5.20552
OR3A3	6.38514	6.79447	6.54354	6.65525	6.07642	6.10352	6.52257	6.14174	6.79769	5.58409	6.35836	6.13377	6.73147	6.53759	6.36638	6.12395
OR4C1P	5.57669	1.9808	2.91679	4.98755	3.6922	3.03288	3.0573	2.34717	4.15582	4.44999	2.58746	3.61408	5.48407	1.84505	2.9127	3.50454
OR4D1	4.15938	3.88752	4.51531	3.93836	4.68745	4.02325	4.6307	5.48534	5.44522	4.42178	4.97087	4.32585	5.06859	4.6711	4.4044	4.0351
OR4D2	4.56185	4.85013	4.10455	4.26515	4.11679	3.67619	6.24136	4.48907	3.99376	3.94629	4.06326	4.4329	4.64622	4.11853	4.60609	4.63489
OR51B2	6.41069	6.47261	6.54075	6.79839	6.01803	6.68952	5.55137	6.73081	6.08585	6.85376	6.2306	6.07849	6.48318	6.41023	5.8105	6.58393
OR51B4	4.0622	4.08875	4.24573	4.69119	4.44183	4.24599	4.51685	6.18589	4.52735	4.38311	4.32438	3.78165	4.2307	4.34433	4.59688	4.58777
OR51B5	5.47581	5.05748	6.02765	6.05003	5.55517	5.63936	5.99097	6.08497	5.55338	5.73904	5.32967	5.36625	6.0877	5.15027	5.90202	5.0014
OR51B6	6.56684	6.46239	6.6582	6.18324	6.15168	6.42644	5.74444	6.76064	6.68689	6.79668	6.74529	6.90094	6.59663	6.55046	6.79376	6.69641
OR51E1	5.11171	5.65668	5.66916	5.57471	6.21304	5.36175	6.2013	6.98305	4.41574	6.12195	6.40488	5.69581	6.31284	6.05071	6.98952	5.63419
OR51E2	4.6975	5.47715	5.49973	4.6316	5.00482	4.9024	4.47294	5.6367	5.75568	5.45472	4.98443	4.91553	5.24084	5.09503	5.35851	5.71395
OR51I1	5.00904	3.04911	4.23911	5.5785	4.74107	4.92233	5.09328	5.92857	3.31034	4.0807	5.14155	4.23244	4.65932	6.19649	6.01209	3.24808
OR51I2	5.9621	5.28273	3.85298	6.37643	5.93462	5.69329	6.17878	5.40572	4.39872	3.98113	5.97498	4.69839	6.08846	4.13014	5.43322	4.90519
OR51M1	6.29893	5.86663	4.71654	6.48043	5.92409	5.81617	6.31876	6.27029	5.93008	6.00788	6.32509	6.62616	6.59402	5.31833	4.32654	5.81769
OR52A1	5.9677	5.69663	6.08344	5.93552	5.91335	5.59245	5.08709	4.36705	5.6875	6.14368	5.26563	5.41144	6.15519	5.76354	5.40842	5.239

OR52D1	6.59066	6.68221	7.12681	6.73778	6.43539	6.44327	6.61659	7.35613	6.493	6.01099	6.26354	6.04791	6.26989	7.32914	6.66244	7.02532
OR52K3P	4.56185	2.34474	5.36713	4.7949	3.16569	4.57551	3.61825	5.66058	3.02333	5.59977	5.32805	4.18135	2.17097	4.38727	4.7616	3.08868
OR5AK4	5.23003	5.28927	5.05869	5.42546	5.03914	4.99883	5.8311	5.28328	4.70238	4.94929	4.9146	4.84269	5.29878	5.42595	5.37537	4.8246
OR5E1P	1.74742	1.27177	2.86268	2.75974	1.84689	3.20546	2.63794	3.34245	2.67969	2.5437	2.18694	3.68084	5.67071	2.93125	2.69546	2.36473
OR5H1	4.65329	5.01102	5.11873	5.0986	5.69909	5.29969	5.66353	5.79671	4.42997	4.65737	5.1995	5.24618	4.18038	5.08822	5.35079	5.53967
OR5I1	5.37195	5.38125	2.23187	3.35104	2.02496	4.35031	5.493	1.22235	3.92436	2.50603	5.17761	4.08601	5.87302	5.31211	5.37234	1.80953
OR5J2	5.7207	6.2807	5.65707	4.74319	5.5131	5.17323	5.77268	5.9813	5.5845	6.0002	5.10586	5.08271	5.22636	5.50787	5.69601	5.85168
OR5K1	4.67215	5.05415	6.16281	5.14188	5.86129	5.75554	6.32268	6.091	3.50839	6.01426	5.70745	5.40857	5.58168	6.16781	5.11666	5.87097
OR5L2	6.39033	6.93659	6.54152	6.17407	6.56249	6.43347	5.83304	6.86104	5.91	7.36877	6.76094	6.45608	7.03131	6.26672	6.59933	6.97076
OR5P2	5.95764	4.2689	3.31271	4.22883	4.51121	5.38506	5.23969	5.87608	5.74089	5.24505	5.41954	4.81824	6.28592	5.63684	5.63274	5.78564
OR5P3	4.57039	4.1932	4.19043	4.65451	3.96564	3.57327	3.76501	2.95859	5.64719	3.31009	3.65785	3.69374	3.61424	3.67678	3.77502	4.10606
OR5V1	5.24859	4.68764	4.9367	4.9537	4.95382	5.42243	4.07312	5.66963	5.47164	4.56572	5.55165	4.13909	5.69186	5.76354	5.25726	5.66046
OR6A2	2.65839	2.82798	2.72411	3.30112	2.68714	2.5608	2.83966	2.64349	2.81157	2.66614	2.66551	2.29689	2.90755	2.51368	2.52969	2.53538
OR6B1	4.97295	4.15069	3.58903	3.55701	2.02496	4.02752	4.60294	4.32501	4.16584	4.19403	0.99002	3.72982	4.17756	2.31516	5.03455	4.72447
OR6W1P	3.64066	2.53824	3.21294	4.25148	3.53849	3.55971	5.31453	3.77845	5.67537	1.82992	4.07031	4.16718	3.97703	2.16332	2.63378	2.86424
OR7A10	5.00904	2.77081	4.17984	3.80706	4.54756	4.86073	5.10831	4.25669	3.91489	3.91319	2.88166	2.63249	4.38612	4.20074	4.07595	4.41123
OR7A17	4.8012	3.19069	2.88071	3.61465	3.64173	5.6174	3.83857	3.29115	3.40648	2.75002	3.26817	2.24796	6.30778	3.90216	5.50096	2.9809
OR7A5	3.32431	4.12453	3.6244	4.65451	5.9817	4.02752	3.39293	3.8281	4.64364	3.95892	3.40575	3.7042	4.49752	3.52815	3.61218	3.75027
OR7C1	4.90477	2.41683	3.07458	5.35874	4.46197	3.18781	1.122	6.15898	3.13363	3.53934	4.90886	5.47072	4.32095	3.67678	4.99814	4.37747
OR7C2	3.23662	3.13884	2.40841	4.05472	2.53024	4.30957	2.53476	2.43067	3.36695	2.44811	2.41572	3.12959	2.54194	3.60186	2.23945	2.61375
OR7D2	5.75607	5.39073	5.09328	5.56135	5.89483	5.26039	5.61383	5.71911	5.14097	5.14674	5.14709	5.57239	5.53799	4.89504	5.4529	4.87875
OR7E104	9.2077	9.22889	9.31073	9.01959	8.58123	8.83547	9.31733	9.23414	9.34754	9.34899	8.68454	9.41034	9.05406	8.99071	9.22763	8.95401
OR7E12P	8.50939	7.61148	6.43984	7.65898	6.97016	6.88372	7.629	6.76303	7.25884	6.79481	7.20465	7.14173	7.76731	7.30014	7.45005	6.95764
OR7E14P	6.79489	7.26124	5.26316	6.60156	5.39382	5.33804	6.30868	7.58963	5.86136	6.47261	6.12794	5.46793	5.93424	6.96496	5.8179	6.93646
OR7E156	5.70446	5.859	5.74014	5.56651	5.66533	6.04611	6.11045	6.13935	6.31307	5.5803	5.81261	5.48379	6.39306	6.35887	6.31173	6.19907
OR7E19P	3.4567	3.69964	3.6244	4.48948	3.91616	4.06264	4.15069	4.46162	4.04754	3.70919	4.0196	3.49365	4.28649	3.55944	4.07595	3.7755
OR7E24	4.77121	4.90793	3.35289	4.79981	4.37137	5.29139	5.27542	4.78229	6.01991	4.34627	4.41614	4.22754	4.79774	5.84235	3.30762	3.2169
OR7E2P	1.96392	2.72769	4.21177	2.97356	0.90941	4.05393	3.87897	1.22235	4.06977	4.38311	3.46534	2.29689	2.62575	2.57571	2.49591	1.54854
OR7E37P	8.66277	8.11184	7.40315	8.22973	7.2488	7.73683	8.16657	8.19059	8.56452	8.08728	7.86385	8.2869	8.46182	8.51364	8.25461	7.8562
OR7E47P	9.68695	7.76799	6.39586	9.22423	6.66709	6.78897	7.30909	7.17852	7.33702	7.81209	6.12515	6.75866	7.18175	6.56239	6.52996	6.83535
OR8B2	4.41574	4.8348	4.5182	5.28175	5.37077	5.23078	4.86471	4.97563	5.64719	4.86372	5.77379	5.26415	3.19903	5.42385	5.89757	5.65292
OR8B8	4.56185	4.91805	2.63513	1.80217	2.44843	2.51251	5.40039	2.98628	2.47145	2.72148	3.21922	2.55562	3.07124	4.369	4.09448	2.4366
OR8D1	4.92233	5.51616	5.04282	5.51387	4.7864	4.7822	4.97647	4.25669	4.68603	5.6242	4.61069	5.34266	5.99292	5.58961	5.49373	5.61508
OR8D2	5.26686	5.18587	4.93219	3.97084	5.40426	5.7251	5.69257	5.61233	5.34823	2.97414	4.77807	4.70518	3.93646	5.53595	3.79392	5.94393
OR8G1	5.9357	3.44137	6.32366	5.87492	4.18809	6.16175	5.78423	5.82506	6.25282	6.07836	5.96155	5.94393	5.09869	4.84817	5.01627	5.39922

OR8G2	3.21781	3.78353	4.12203	5.12665	4.4903	5.54973	5.01818	4.42178	4.6666	4.48511	4.47708	3.62835	5.0159	4.33903	3.55559	3.9257
OR9A1P	2.71531	1.75959	3.36123	3.37954	2.72712	3.13842	1.82475	2.09743	3.03207	3.08498	3.17351	3.66599	2.67996	1.86949	4.05802	3.68528
ORAI1	6.71962	6.97599	6.06227	5.72745	6.58803	6.82564	6.34285	6.73081	7.154	6.92511	6.10359	8.33874	7.50856	6.55559	6.83992	7.15863
ORAI2	6.6623	6.80627	6.87115	6.79309	5.95087	6.65377	6.6589	5.94608	6.62353	6.42868	6.22548	6.88076	6.39389	6.57541	6.46008	5.5046
ORAI3	8.97745	8.69948	8.07686	8.33571	8.37975	8.37038	7.7642	7.96312	8.58018	8.47942	7.10661	8.16872	8.42548	8.43537	8.49302	8.17417
ORAOV1	6.4778	6.42302	5.42319	5.6459	6.48735	6.99449	6.88587	6.951	6.66869	4.59728	6.55759	7.29931	6.32482	6.951	6.75415	6.08964
ORC1	1.37327	3.50584	2.46272	2.77414	6.04546	2.91286	2.27576	3.15288	2.25875	2.19868	5.27788	2.53152	3.65598	3.34999	3.30762	4.06288
ORC2	6.0376	6.5377	6.66976	6.46097	7.08952	7.46689	7.75523	6.92393	6.694	6.19879	6.71031	5.72103	6.87509	7.05131	7.52006	7.23753
ORC3	8.23238	8.65925	8.61308	8.22071	8.1881	8.44961	8.70969	8.99568	8.36116	8.36563	7.77339	7.17711	8.10791	8.14651	8.14368	7.92094
ORC4	5.65243	5.02998	4.8258	4.93308	5.91823	5.36028	5.72395	5.31968	5.28201	4.49669	4.89016	4.5638	6.02637	5.49063	5.74512	5.63098
ORC5	5.16648	4.32501	4.00169	4.77579	4.72194	4.92341	5.0902	4.58951	4.63759	3.64264	5.25598	3.4102	5.64638	5.73584	5.768	5.41634
ORC6	7.00647	8.34053	8.01278	7.18163	8.50217	8.75966	9.9356	9.83019	8.55417	6.5239	9.38768	8.85494	9.56208	9.49286	8.93342	9.38055
ORF1	3.57129	1.90032	2.76892	2.70831	3.00529	2.47032	2.74504	3.22488	3.10689	3.93824	2.65839	3.06481	4.0977	3.5512	2.28011	3.16609
ORM1	3.00675	5.12855	3.22117	3.89582	5.01197	4.64364	3.73393	3.99573	4.76618	5.02266	4.86304	2.01179	5.59895	5.82241	3.89112	3.84496
ORMDL1	7.40742	7.76765	7.81833	7.52098	7.4963	7.07424	7.13071	7.61288	7.01967	7.43992	6.84862	7.39834	7.62912	7.44302	7.59324	7.85021
ORMDL2	9.3797	9.31854	9.18613	9.90115	9.06823	10.3852	9.27221	9.09062	9.38383	9.69136	9.94907	10.5345	9.6193	10.0844	8.68206	8.77566
ORMDL3	5.96381	5.97818	6.28229	6.43957	6.14202	6.1118	5.30548	5.27879	5.78435	6.15329	5.74889	6.67044	5.62022	5.86926	5.55954	5.56375
OS9	6.77308	6.98885	7.50807	7.61481	7.96606	7.55198	7.91692	7.86345	8.18266	8.0941	7.59021	7.84604	7.38957	7.87296	7.79072	7.14735
OSBP	7.25934	6.00571	6.87509	7.09664	7.57115	7.2038	6.8412	7.25032	7.04754	7.40154	7.36756	7.42868	6.56504	7.06297	6.97815	7.27669
OSBP2	4.80979	4.47464	5.6866	5.04544	5.22723	5.64977	4.7638	5.33296	5.53761	5.14895	5.15758	4.99121	4.52134	5.05601	4.76297	4.85334
OSBPL10	5.57103	5.35585	5.77746	5.73584	6.03625	5.90118	5.26369	5.87407	5.68466	5.97235	5.82484	5.57066	5.69545	5.33954	5.41696	5.53655
OSBPL11	5.93291	6.24479	6.31723	6.20038	6.63473	7.08843	6.04776	6.65718	6.64457	5.79691	6.55377	6.05374	6.30873	5.8637	6.40473	6.31515
OSBPL1A	7.15085	5.73754	6.61362	5.72913	6.23462	6.54445	7.61809	5.37911	5.94805	7.68663	6.24346	6.562	6.57598	6.98222	7.36877	6.86006
OSBPL2	8.12724	7.81085	7.73468	7.92842	7.98356	7.87346	8.1282	7.92486	7.40692	8.23238	7.84645	7.82698	7.48453	7.5677	8.09031	7.36343
OSBPL3	7.61253	7.44793	8.30848	7.64325	7.39737	7.58344	7.41663	8.3215	7.71882	7.49325	7.89722	7.23672	7.29391	7.21373	7.30165	8.13586
OSBPL5	7.97399	8.05323	7.79463	7.60189	7.2013	8.03524	8.14751	7.74898	7.52956	8.24318	7.73968	8.02106	7.47527	7.25736	7.68328	6.89454
OSBPL6	8.4721	5.64719	4.01078	7.68215	3.5479	4.74803	4.4879	4.75996	4.83383	4.18123	4.64981	4.4005	3.83921	2.96145	4.05943	6.02133
OSBPL7	4.42997	4.58644	4.42331	4.40218	4.22833	4.37613	4.26088	4.6656	4.36649	4.51099	4.39872	4.92179	4.07485	4.51349	4.25526	4.22052
OSBPL8	5.65251	6.21045	5.87873	5.82886	5.61277	6.28982	5.86281	5.44903	5.96635	5.35812	5.37446	5.75373	5.90297	5.78238	5.70513	5.879
OSBPL9	9.08361	9.31971	9.51037	9.35952	10.0385	9.21483	8.57166	9.4567	8.52173	9.37224	8.77677	9.4407	9.51229	9.76707	9.4469	9.67089
OSCAR	6.33063	6.30382	6.71848	6.16879	6.27004	6.40779	5.80493	7.0306	6.87934	6.20299	6.91061	6.65525	6.18277	6.05846	6.34106	6.07883
OSCP1	10.1061	8.18565	6.54672	8.73603	7.04994	6.59456	4.34799	4.40791	7.12292	6.02979	4.11419	7.43675	6.82399	7.34167	6.44352	4.52926
OSER1	7.73933	7.99006	7.61077	7.33274	8.12204	7.68075	8.01042	7.39133	7.56947	7.78212	7.60851	8.11037	7.78725	8.20702	7.88653	7.65208
OSER1-A	5.16975	6.3411	5.99968	5.99579	5.94381	5.9177	5.36331	5.48401	5.9804	6.23007	4.70821	5.74585	4.74392	5.63112	5.99319	5.83304
OSGEP	6.95042	6.77145	6.8336	7.30112	7.33526	7.12124	6.6643	6.49041	6.9514	7.24063	7.5753	7.13919	6.90121	6.83992	6.64251	6.81012

OSGEPL	5.8259	5.88064	5.45006	5.49443	6.41801	5.66305	5.1579	5.23021	5.85707	5.62668	5.76889	5.27487	5.56324	5.59237	6.51878	6.34163
OSGIN1	3.62466	3.58335	3.66581	3.54894	3.42572	3.8659	3.25433	3.58474	3.57258	3.94629	3.93813	3.26763	4.10293	3.75913	3.23099	3.35278
OSGIN2	4.33657	4.29394	4.70017	4.9939	5.19221	4.90215	5.05202	5.54686	5.57103	4.86994	5.52153	4.74464	5.2073	4.83417	5.04615	5.12503
OSM	4.2476	4.39682	4.90556	3.58733	4.68985	4.68167	3.06828	4.59445	5.35845	4.36012	6.07982	4.80626	4.58322	4.70184	4.34547	5.11873
OSMR	6.7229	7.11849	6.77653	7.00351	6.69137	7.20184	6.91517	6.65654	6.48478	6.98932	6.70802	6.98885	7.57459	6.67233	6.86006	6.91517
OSR1	2.21029	2.61396	1.95191	0.90097	4.18809	3.04945	1.98828	1.04435	2.18568	6.98699	4.58359	3.79654	1.93701	0.62135	3.37408	2.86424
OSR2	7.35432	7.45982	7.30083	7.28011	7.06915	7.33712	6.93431	7.18064	7.57333	7.78858	6.09708	7.54095	6.9925	6.68013	7.19882	7.0676
OST4	9.29509	10.2886	9.43496	10.3283	9.06728	10.371	9.74393	9.53098	9.81607	9.71214	9.36543	10.0756	10.6769	9.77389	9.61157	9.88284
OSTC	8.93712	9.60125	10.3679	10.1781	9.67232	9.68026	7.47187	7.95543	8.28667	10.1183	9.92829	10.0365	9.71584	9.46771	9.4479	9.01455
OSTCP1	6.16343	6.41941	5.8105	5.85352	6.11547	5.90676	6.30176	5.86281	6.23887	5.92053	6.34043	5.97829	5.55954	4.54858	5.8373	6.53519
OSTF1	6.52323	8.14392	7.80322	8.1354	7.65193	7.52098	7.44217	8.64113	7.78334	7.22098	8.25579	8.01542	7.94249	6.92953	7.38073	8.38746
OSTM1	6.04314	6.61445	6.87531	6.6125	6.49883	7.15669	6.80155	6.25165	7.01614	6.41307	6.67073	5.85483	6.37855	6.17104	6.73987	6.83501
OSTM1-A	5.44608	5.77688	5.45881	6.35955	5.52099	5.16063	6.01651	5.77868	5.71676	5.7104	5.56646	4.6561	5.4553	5.4378	5.40572	5.95703
OTC	2.13523	2.82798	1.95191	2.85497	2.29738	2.81599	3.12496	3.58474	3.09248	2.97414	2.70123	3.23711	2.94778	3.39861	3.63405	3.66526
OTOF	3.0912	3.12984	3.61598	3.0739	3.2995	3.35726	2.65953	3.38774	2.51876	3.50176	3.35515	2.76133	2.93531	2.87369	3.05512	2.89716
OTOGL	3.16429	4.55111	3.31271	3.23213	3.01001	4.96837	3.35187	3.99573	2.92006	2.69205	3.25613	3.29115	4.15694	2.97219	3.26899	3.0606
OTOP2	6.17699	5.67998	5.5362	5.30337	5.40753	5.68679	6.31023	5.73816	5.25952	5.22796	5.40993	5.58246	5.95105	5.92139	6.07381	5.36254
OTOR	3.71123	2.8813	2.85145	3.6916	4.05118	3.4746	3.74769	4.23662	3.87677	3.8429	3.76737	3.80634	2.98256	3.49255	4.98404	3.1481
OTOS	3.26635	4.96661	2.02586	5.04627	3.03309	3.50802	4.65674	5.39317	5.21762	2.42411	5.3948	4.11653	3.03764	6.22844	2.78105	1.80953
OTP	5.34251	6.11348	5.51727	6.05111	5.86456	3.82792	5.21117	4.66374	5.05799	5.49265	4.52611	4.00997	5.90869	4.48157	4.58359	4.30752
OTUB2	4.82325	4.28137	4.35335	4.28409	4.59949	4.52735	3.85318	5.07278	4.90822	3.38837	5.68335	5.0271	4.80663	4.96585	4.45488	5.04615
OTUD1	6.59252	5.14209	5.61731	5.88599	5.97543	6.64445	5.65805	5.59162	5.89702	5.04878	5.85427	4.88621	5.16332	5.64043	5.57201	5.79424
OTUD3	6.86547	6.14859	6.92116	6.40719	6.71266	7.11288	7.39133	5.62759	6.11072	6.91863	6.73765	6.74984	6.83665	7.29944	6.71599	6.31936
OTUD4	6.08039	5.37964	5.3347	4.93048	5.62668	5.31468	4.28084	5.95026	5.41934	4.90822	5.58299	5.40574	5.23842	4.96187	5.13036	5.43789
OTUD5	5.67691	6.13518	6.36706	6.37311	6.31363	6.23627	6.20554	6.86998	6.74045	6.02045	5.86057	6.77644	6.84737	6.13381	6.16627	5.7941
OTUD6B	7.53012	7.05147	7.91065	7.91244	8.79361	7.91032	8.71319	7.33157	7.71938	6.93394	8.14717	7.20142	8.26668	8.13742	8.50035	9.05969
OTUD6B	8.36471	8.01968	8.15536	8.63277	8.52577	8.49069	9.18918	8.37711	7.86759	7.82093	7.47229	7.54638	8.27357	8.68396	8.44288	8.50431
OTUD7A	2.32134	3.20688	2.88209	2.75185	2.0499	2.63659	2.65493	2.56958	2.65667	2.76215	2.42582	3.12188	2.74504	2.98704	2.50218	3.27868
OTUD7B	5.89386	5.42087	5.12813	4.64707	5.28829	5.59946	5.22972	4.73428	5.38125	5.41209	4.95436	5.22492	4.85735	5.35968	5.41209	5.04268
OTULIN	5.26828	6.38452	6.10475	6.34809	6.6892	5.63203	7.08016	7.46304	6.43573	5.64923	6.72716	7.03686	6.74939	7.21508	6.51314	6.53457
OTX1	3.32431	4.85013	5.27161	5.48246	4.72375	4.47194	5.3089	5.87608	5.37446	5.1154	4.9748	5.76162	5.32616	5.28671	4.6561	4.98419
OTX2	5.21149	5.77011	3.33935	3.76742	5.76967	3.69634	5.38078	3.15288	3.88402	2.84641	4.9311	3.30436	5.11713	3.49445	4.9467	7.98107
OTX2-AS	5.74238	6.33063	4.27544	6.1019	5.4497	5.85341	4.93154	4.92065	4.89423	5.82603	6.02213	6.71017	6.45819	5.83086	5.74894	6.86113
OVCH1-A	3.48571	3.06378	3.57935	2.67969	3.30882	2.97137	3.98737	3.13235	2.90046	4.77797	4.12088	2.84585	3.44604	4.93015	3.72694	4.42279
OVGP1	5.77804	5.39366	6.02133	6.5917	6.03236	6.80889	3.6755	6.5296	7.24537	6.84248	5.8034	6.89365	6.27443	6.60068	6.85248	5.82766

OVOL1	5.31511	5.09503	4.52326	4.81141	4.85891	4.63296	5.34463	4.58988	5.86766	4.75966	6.07836	5.0905	5.37412	5.09451	5.48056	4.67817
OVOL1-A	4.9403	4.35931	3.75788	3.17801	4.74792	3.92656	5.87497	4.20991	5.59723	5.69188	5.32805	5.9965	6.46097	6.11232	6.54488	6.15224
OVOL2	8.1843	6.545	6.50381	7.09987	5.71805	7.21241	8.47942	6.90134	5.12258	7.50769	5.97729	5.62444	7.20038	7.68599	6.00252	7.43963
OVOL3	3.69182	2.81246	3.15379	2.45536	2.39414	3.28947	3.85658	2.731	3.38569	2.80132	3.42769	3.53998	3.44604	3.3814	2.76084	2.45954
OXA1L	7.91065	8.34814	7.98012	7.8922	8.42204	7.84521	7.35212	8.88693	8.48742	9.09246	7.7042	7.7485	8.46507	8.16058	7.76594	8.22001
OXCT1	8.89725	9.04007	9.05969	8.44653	9.78666	8.76627	9.74251	9.86852	8.81366	10.1365	9.88728	8.10791	8.63306	9.30638	9.06728	9.94429
OXCT2	4.796	4.88224	5.98862	5.05252	5.36001	4.87799	5.32521	4.74602	5.70599	6.15893	6.31699	6.43493	6.07264	5.21413	6.2907	5.77721
OXER1	6.88328	6.42037	5.5865	7.06595	5.9748	5.09772	4.99931	7.14295	6.36476	6.56837	5.48642	6.6178	6.961	6.58393	6.29133	7.21008
OXGR1	5.9621	5.60298	5.36067	5.7533	5.24708	6.10124	6.44639	6.41307	6.26758	6.11327	5.93381	6.07849	6.24198	5.34843	5.809	6.20375
OXLD1	7.60537	7.72596	7.03026	7.45153	6.83716	6.40934	6.98274	5.87024	7.03111	6.64424	7.86066	8.40722	8.27087	7.46153	7.17804	7.72596
OXNAD1	6.87678	7.59296	7.33205	7.61886	7.8718	7.10717	6.53759	7.97459	8.35871	7.68857	8.03276	7.13384	8.03444	6.99434	6.91343	7.53627
OXR1	5.51228	4.66353	5.55753	5.54156	5.34161	5.37537	6.24479	5.22203	5.40857	6.28247	4.63031	4.77306	5.43004	5.37172	5.11608	6.02933
OXSM	7.93196	8.23714	8.05461	8.51453	8.80992	8.56536	8.49644	7.63667	8.75484	8.40005	8.11615	8.55828	8.35203	8.00741	7.71233	9.18833
OXSR1	6.87143	7.44123	7.11733	7.89329	7.80837	7.78656	7.41632	6.50736	7.34125	7.11224	8.24318	7.6245	7.68134	7.17328	7.75483	7.50734
OXT	4.30102	4.13063	6.54757	5.26572	6.25719	5.91983	6.33001	6.54251	6.71324	6.90215	6.43815	3.58989	4.71449	6.13943	6.20404	6.34532
OXTR	9.4267	5.07244	6.14859	7.53617	5.65157	5.54883	4.91661	4.65546	6.69758	6.02979	5.65993	6.0106	5.71666	5.98945	5.71218	5.16578
P2RX1	4.81177	4.63286	5.44533	4.3777	4.76067	5.20294	4.76528	4.87281	4.34561	5.83509	4.26259	5.98491	4.15694	5.41012	6.74325	6.29935
P2RX2	5.42389	4.42419	5.16727	4.39682	5.48909	4.37039	5.12383	4.28816	5.42319	5.52455	4.32063	4.35134	5.35784	4.9904	4.72831	4.89066
P2RX3	4.60678	5.70611	5.29579	4.52648	5.79256	4.24599	5.16804	5.32306	5.92206	6.04533	5.76663	6.56768	6.15236	6.01167	6.2982	6.68722
P2RX4	4.73297	4.8348	3.27793	3.88735	6.03493	3.15165	3.20323	2.88789	2.92006	4.63911	5.13024	6.54916	3.82075	6.6692	3.81591	2.7492
P2RX5	8.23922	9.36777	7.89942	8.94302	7.79266	8.73519	7.06635	8.33649	8.38767	7.09448	9.25706	8.86796	7.30112	6.44624	7.21384	8.4259
P2RX6	3.0533	3.71405	3.73244	2.97958	4.39454	3.29806	3.15402	4.26088	4.12376	4.07659	3.34362	4.41131	4.3419	4.03106	4.10475	4.2027
P2RX7	4.73694	4.91676	5.13036	5.18703	5.12864	5.59687	4.61686	5.53637	5.45154	4.60548	6.5312	5.28942	5.75728	4.91247	4.97683	5.69831
P2RY1	5.54416	4.69941	4.43529	4.50197	4.59728	5.47485	4.99448	4.44194	4.40538	4.83738	5.63879	3.60204	4.99664	3.50494	4.67557	2.61375
P2RY10	3.54256	5.70279	6.16574	6.70654	5.63065	4.96585	4.12524	5.4942	5.34684	3.66318	6.08864	5.43557	5.878	2.66641	5.61405	5.78176
P2RY12	3.92057	4.50355	4.39999	4.07529	4.45668	3.77982	3.68057	3.57717	4.98927	4.19924	3.61284	4.5294	3.55672	3.78698	4.52188	4.37039
P2RY13	3.9256	6.48524	6.64708	6.09232	6.47219	7.16848	5.34628	6.7516	7.81974	5.16701	7.37813	3.84426	6.60293	3.05474	7.73161	6.04946
P2RY14	7.43031	7.46659	8.28436	7.49338	7.42056	8.35464	6.61966	7.59445	7.53012	5.74224	9.07296	6.77204	7.50258	6.02272	7.67964	7.13522
P2RY2	5.07215	4.80626	2.81121	3.85758	2.91487	3.03288	3.94849	2.81438	3.80565	3.6977	6.33746	4.25098	2.88174	5.7004	3.7606	4.06288
P2RY4	5.61659	5.51616	6.02133	5.51387	4.79167	6.0054	5.53505	5.11563	4.93727	5.72724	5.20807	5.56476	5.84764	5.93665	5.26064	5.87097
P2RY6	3.17857	3.54594	3.56906	4.47048	4.14888	6.78574	4.61995	5.10888	4.09292	3.70919	6.51228	4.08601	3.96898	3.86642	4.99814	5.27933
P2RY8	7.28879	8.77063	8.79299	8.89983	7.84101	8.33649	7.07057	9.41176	8.09982	7.32228	7.37222	9.10246	7.59959	6.92393	8.1821	6.90081
P4HA1	6.84483	6.42442	6.5997	4.94341	7.02957	6.63258	6.57677	7.00962	6.65411	6.42667	6.92479	5.87709	6.71912	7.31824	6.93931	7.07685
P4HA3	4.5207	4.28892	4.57233	4.70583	4.83667	4.9341	4.65034	5.05748	4.87224	4.47194	4.99899	4.75315	5.29113	4.91198	5.12587	5.28736
P4HB	8.17211	8.67767	8.66913	7.91786	8.4587	8.47157	8.46227	8.23881	8.36242	9.80267	8.40249	8.62967	7.88746	8.66724	8.21957	8.11103

P4HTM	10.269	8.98902	8.56452	8.88559	7.74992	8.0064	7.75388	7.82787	9.04557	8.84803	7.83068	8.87611	7.49252	7.82888	7.38979	9.28935
PA2G4	5.93703	5.93145	5.67296	6.06581	6.64819	5.74642	6.98418	6.29404	6.7674	6.36032	6.52278	6.21741	6.53697	6.95399	6.99895	6.46531
PAAF1	7.16225	6.02224	7.51898	7.37585	7.0163	7.44046	6.26423	5.87501	7.2117	5.58686	6.45355	6.93736	6.13977	7.3304	7.14332	5.81608
PABPC1	7.31941	7.4416	7.92906	7.67863	7.94023	7.40625	9.24484	7.23519	8.19276	7.72953	7.94991	7.27843	7.86658	7.53155	8.2838	8.20175
PABPC1I	6.23661	5.39264	5.7048	5.27575	6.4737	6.36872	6.38582	5.73768	5.79014	4.93532	5.56771	5.80309	5.31739	5.475	5.5734	6.02088
PABPC3	11.8254	11.8866	11.602	11.8584	11.5751	11.9498	12.5183	11.3999	12.2011	11.3913	10.0079	10.9225	11.3436	12.1308	12.0504	12.0835
PABPC4I	5.82837	4.86383	5.32994	4.51263	7.31673	4.62473	4.26699	4.86698	5.10973	5.70745	4.54707	5.00222	5.95749	5.99187	5.19273	6.76316
PABPC5	0.82494	1.84587	3.77762	2.31308	3.55491	2.93381	0.35046	-0.3067	0.56521	0.33356	0.81405	-0.7797	-0.2855	6.57036	2.9127	0.61335
PABPN1	7.67128	7.19853	8.20256	7.65049	7.42188	7.67728	7.392	6.81365	7.37019	7.87143	7.26403	7.94656	7.64528	7.38866	7.19234	7.69278
PACRG	8.19193	6.79006	4.78664	7.70533	5.58285	5.8557	4.8404	3.7682	5.75768	5.85971	4.25904	5.37698	5.42686	5.09394	5.21834	5.61104
PACRG-A	4.4643	3.47417	4.75389	3.49407	3.32431	4.53909	3.89026	3.86842	3.33041	4.63911	5.13024	5.03733	3.68721	3.21424	3.4529	5.15911
PACRGL	5.42892	5.34141	3.96715	5.25598	6.24726	4.69923	5.81304	4.85621	4.91388	4.90106	5.39004	4.89326	5.84049	5.48482	5.33833	5.49973
PACS1	6.06936	6.61529	6.3871	6.45463	6.20038	6.91061	6.04592	6.51571	6.53899	6.54937	6.3909	5.92857	5.91684	6.28592	6.05559	6.75013
PACS2	7.72919	7.57572	7.47978	7.49156	7.35339	7.689	7.89413	7.78315	8.02016	8.13908	7.44601	7.94351	8.0016	7.21764	7.51973	7.95615
PACSIN1	4.5554	4.89098	6.06505	4.98595	4.67909	6.18336	5.34359	6.07349	5.31219	4.80155	4.28124	6.11067	4.94835	5.21176	5.09328	4.58668
PACSIN2	8.21298	8.23177	7.65295	7.80726	7.98508	8.20228	7.69659	8.01247	8.44788	8.33525	8.10994	8.28887	8.12782	8.20748	7.69081	7.86385
PACSIN3	7.44394	5.8076	3.45525	3.38369	6.35143	7.55755	7.31697	1.91261	7.29055	6.74102	6.35231	7.73646	5.71403	7.5931	6.44352	6.0682
PADI1	6.8106	7.19036	5.69738	6.62279	6.33769	6.29785	5.62925	6.45894	6.81021	6.60748	7.42526	6.62877	6.36294	5.12733	5.05781	4.89861
PADI2	4.63436	4.88936	4.44582	4.78736	4.95264	4.71438	5.39073	4.64006	6.88989	6.68395	5.43842	5.38484	5.9813	4.80292	5.32082	5.26091
PADI3	2.50129	3.57431	3.76552	3.77125	2.36593	4.31657	8.901	3.32868	4.63412	3.85542	4.47005	4.38384	5.54035	4.54346	3.29289	2.94176
PADI4	2.84147	4.42997	4.08195	3.60061	3.7359	3.73212	3.71129	3.90531	3.08321	4.50625	3.007	3.50551	3.87392	3.92927	2.60305	3.06644
PAEP	3.80647	4.67521	4.47125	3.96234	5.40426	3.20546	2.98815	5.55155	5.06749	2.38782	4.83921	5.52122	3.28382	5.34487	4.74294	4.51771
PAF1	9.34402	8.72582	8.68868	8.95876	8.83697	8.90524	9.36777	8.92473	9.14677	9.10997	9.13804	9.09062	8.15234	8.3762	8.79047	8.14326
PAFAH1I	7.65498	7.70647	7.59906	7.64528	7.7196	7.56028	6.76579	7.44207	7.55487	7.61729	7.94631	7.1553	6.99578	7.25243	7.7028	7.34402
PAFAH1I	5.86057	5.98199	6.30147	6.12794	6.05696	6.71343	6.07029	7.1569	5.90756	5.89465	5.97806	5.6532	5.57001	5.89988	6.11888	6.04558
PAFAH1I	7.743	8.40497	6.79971	7.74992	6.76746	8.11759	8.39965	6.40125	6.62489	6.94225	8.31666	9.14677	8.69948	8.44288	7.75483	8.71998
PAFAH2	5.42798	4.26599	4.83993	5.62286	5.34065	4.72447	5.90923	4.24079	5.78133	5.40376	4.99814	4.93158	4.86331	4.07262	5.80613	4.14154
PAG1	6.9069	7.97105	8.38509	8.06308	7.72349	8.29715	7.1111	8.36324	8.82696	6.95057	7.8583	7.68737	6.75544	6.642	7.6183	6.83474
PAGE1	6.39626	6.36353	4.39215	5.17437	4.63576	6.74157	6.95167	6.62481	5.94981	5.78834	5.49407	6.46771	5.90526	6.25158	6.21493	6.13608
PAGE4	6.51855	6.8233	7.57583	6.71075	6.52948	7.02908	7.06265	7.35304	6.33819	7.39935	6.48361	6.95188	6.36004	6.86032	6.75262	6.7147
PAGE5	3.06503	3.67703	4.63576	2.77414	3.39606	4.72201	3.2194	4.85984	3.36695	2.44811	3.3159	3.31042	4.70836	3.12884	3.69726	2.47807
PAGR1	5.43578	5.71939	5.51577	5.34684	6.28298	5.43532	4.89146	6.10275	5.9171	6.16942	6.42972	6.31578	5.42694	6.37512	5.08353	5.28942
PAICS	6.74902	6.35718	6.1073	5.90723	7.66727	7.00351	6.93041	7.21275	6.56368	6.62078	7.16189	6.7396	6.99169	6.91137	6.91829	7.46689
PAIP1	8.67002	8.45287	9.10606	8.74446	9.92959	9.24769	9.05078	8.6025	9.25806	9.11792	8.88693	8.11898	9.40713	9.13351	9.68889	9.31073
PAIP2	7.6443	8.17903	8.07048	8.43886	7.99727	8.27303	7.89722	8.01148	7.83372	8.31214	8.01756	8.27429	8.62416	7.7785	7.63825	8.09594

PAIP2B	7.28396	6.97241	6.89158	6.64145	6.57888	5.55549	7.36709	6.47461	6.36267	7.75071	5.45177	6.14575	6.31284	6.56066	6.47173	7.21008
PAK1	5.36112	5.29458	5.42482	5.59579	5.22391	6.32945	5.4168	5.01929	5.914	4.77367	6.00043	5.20282	5.45626	6.04935	5.94445	5.43485
PAK1IP1	7.2935	7.62934	7.59864	6.63879	7.53206	7.16285	7.61148	7.49302	7.13775	6.77848	7.74178	7.24867	7.96889	6.86516	7.81868	8.1088
PAK2	5.51666	5.92197	5.84166	6.11134	5.76704	5.65592	5.85581	6.06337	6.37535	5.98188	6.32112	5.1034	6.18966	5.85761	6.30391	5.73881
PAK3	6.32017	6.31699	6.35777	6.58884	7.45339	7.62214	8.26602	7.65208	6.72985	6.8419	6.48861	7.6526	6.92291	7.51567	7.98276	6.5358
PAK4	5.26807	6.15519	5.64485	6.05086	6.38477	6.86618	6.8966	5.89602	5.78941	6.07229	5.84395	6.36841	6.19313	7.06274	5.87462	6.63824
PAK6	6.64457	5.68092	5.31511	5.42686	5.27801	5.68032	5.91215	4.63475	5.37537	5.38706	5.64645	5.38452	4.37434	5.47147	5.59687	5.60498
PAK7	3.97261	2.42891	2.47535	3.44785	3.31564	3.82745	5.3347	3.00175	3.96867	6.27821	3.45352	4.15705	3.01721	4.23043	5.45838	2.44481
PALB2	6.5297	6.94884	7.33205	6.66985	8.46832	7.49746	6.68966	7.01699	7.98571	6.20038	7.26032	6.40749	6.86207	7.61243	7.61901	7.3259
PALD1	4.57516	6.33819	4.6173	2.55745	4.48705	4.42491	2.61298	5.96686	3.06765	3.172	2.66551	4.83368	4.44582	3.79618	3.16274	4.54565
PALLD	7.59324	6.05682	7.14133	6.85158	6.94927	7.19839	5.72608	5.44159	6.60847	7.18675	6.38675	6.48056	7.85197	5.27633	7.4267	6.22635
PALM	6.23145	6.02361	5.84081	5.50571	6.16481	5.80045	6.37591	5.73312	5.73556	5.93876	6.37283	4.60294	5.60935	6.27509	5.89027	4.12557
PALM2	4.81992	3.06378	3.53502	2.69863	2.89774	2.31052	3.85658	2.67421	4.42376	3.172	2.68367	1.4899	3.77256	2.57571	1.74155	1.42001
PALM3	4.01048	4.26036	6.00448	3.44117	3.83175	4.93559	4.20319	4.32501	5.21228	5.5278	5.6008	5.82023	3.47767	5.36454	5.24005	4.30978
PALMD	6.0088	5.02185	4.95126	5.35652	4.8213	4.38995	4.99197	5.12813	4.09669	5.62183	4.89629	6.09592	4.12203	4.50609	4.69141	4.68478
PAM	9.83745	9.13351	10.3191	9.26078	9.5326	9.08092	8.898	8.81055	8.87752	10.7876	9.14549	9.38644	8.57988	9.27986	10.0667	9.46666
PAM16	7.04119	7.61626	6.99654	7.44447	7.38474	7.28583	6.8567	7.67668	7.11405	7.58264	6.88265	7.12328	7.32463	7.53657	6.97662	7.40438
PAMR1	3.74737	6.75499	7.67515	4.78962	5.89886	6.09093	9.14095	2.93245	5.98188	8.83744	3.54938	7.52746	3.7479	9.50195	8.23349	5.06428
PAN2	7.7148	7.26124	7.5386	7.27416	7.29628	6.86669	7.11689	7.68616	6.57373	7.03075	6.58972	6.60987	7.15229	7.56501	6.99847	6.97857
PAN3	10.0123	10.1104	10.0604	9.62785	10.7652	10.2358	9.81024	10.2725	10.0051	10.0259	9.54637	9.38383	9.31971	9.7059	9.92568	9.65062
PAN3-AS	7.25023	7.01461	6.94842	6.6362	7.39119	7.52405	7.31977	7.26997	5.14845	6.62932	5.36735	6.80078	6.48651	5.44628	6.30364	6.37694
PANK1	6.81089	6.14304	5.93176	6.2807	6.97016	7.87248	8.21756	7.04066	6.30355	6.92974	5.95773	5.62225	6.68175	7.64799	7.66548	8.42037
PANK2	5.10935	5.78611	6.19018	5.63112	6.09003	5.99529	5.1459	6.29734	6.03605	5.94931	6.08422	5.93381	6.95399	6.3757	5.77556	6.05129
PANK3	6.96438	7.68737	6.62489	7.63966	7.59906	8.06888	7.38059	7.19551	7.63902	7.40382	8.07378	7.4801	8.08258	7.61431	7.92948	7.38851
PANK4	7.0262	7.4021	7.46031	7.53953	7.20332	7.81868	7.91547	7.71129	7.22695	7.21844	7.55918	8.28774	7.59223	7.69867	7.2577	7.07349
PANX1	5.26512	5.77379	5.92694	5.60113	6.20495	5.67296	5.99998	6.31261	6.48629	5.87762	6.61395	5.99062	5.85696	5.92839	6.10444	5.80439
PANX2	5.70221	5.82554	6.10593	6.34603	6.12974	5.56916	6.16396	6.17098	5.99268	5.21149	6.1193	6.69517	6.07898	6.21818	6.4778	6.11761
PANX3	5.55753	5.65982	5.61026	4.4487	3.97307	4.66791	2.42155	5.02925	4.69793	4.83738	5.64598	6.08191	6.25144	4.92635	4.58061	2.34348
PAOX	6.72058	6.58127	6.83902	6.3022	6.83535	6.62425	6.10971	6.31219	6.56214	6.47731	6.82106	7.8597	6.68061	6.69702	6.26403	6.23907
PAPD4	7.03398	5.79816	7.34542	6.75251	4.99931	7.41771	6.46461	5.93903	6.71402	6.67073	6.20644	6.19705	6.28188	5.65363	5.52908	6.52709
PAPD5	7.16353	6.7396	7.39669	7.44685	4.79956	6.77539	7.23561	4.97087	6.74298	6.44083	7.34582	6.86277	6.40072	7.05524	6.75235	6.69731
PAPD7	8.96335	9.25706	9.29297	9.14877	9.35525	9.43496	9.19307	9.74393	9.44403	9.11102	8.93587	9.54799	9.09212	9.49437	9.0336	9.03131
PAPLN	5.63371	6.26147	6.30808	6.30364	7.03543	6.76425	6.83535	6.71983	6.83297	5.97716	6.09252	7.27377	7.39494	6.76847	7.43547	5.99039
PAPOLA	7.21144	7.22828	6.8277	6.75273	6.25817	6.41661	6.29734	6.77786	6.8906	6.2802	6.55613	7.1175	7.07914	6.4158	6.70066	6.71912
PAPOLB	4.55731	4.17372	4.01542	4.20319	3.62346	4.18485	3.96263	5.01851	4.17971	5.3496	2.92732	4.31963	4.15353	4.40518	4.3486	4.06156

PAPOLG	6.19313	6.23907	6.68938	6.5239	6.5465	6.67705	6.91433	6.42054	6.66911	6.47656	6.24154	6.18897	6.01754	6.27095	6.77456	6.62814
PAPPA	6.51314	5.72213	6.73338	6.02566	6.46809	6.25659	6.00649	6.28672	6.0877	6.29418	6.31896	5.57982	5.19435	5.84898	6.87019	5.08207
PAPPA2	5.23928	5.54788	5.47955	6.14099	5.0199	5.22723	6.1126	5.64227	5.76996	5.92308	5.31739	5.32692	5.81438	5.49464	6.19736	5.22874
PAPSS1	8.65235	8.27215	8.53406	8.25013	9.49437	7.95868	7.11182	6.15572	7.00137	9.0488	7.94881	8.78798	8.50644	8.82658	8.89983	8.07033
PAPSS2	6.02692	6.95493	6.61987	5.95187	6.75934	7.13293	6.30738	4.8882	5.16975	6.50796	4.93457	6.4564	7.65828	5.86096	7.02068	7.94829
PAQR3	4.17372	4.39244	4.51165	4.017	4.70745	4.56594	4.28137	3.82197	4.19961	4.30631	5.11108	3.93408	4.70184	4.43305	5.16185	4.81549
PAQR4	7.24855	5.7079	5.50588	4.63885	7.17376	6.72253	7.80271	5.43993	6.72277	6.06084	6.45748	6.72429	6.74745	7.79266	7.06583	7.75602
PAQR5	4.76796	4.04879	4.814	4.69327	4.36192	4.33509	6.36281	5.06925	3.93142	4.43096	5.16136	5.03614	5.1755	6.5305	5.21609	4.1332
PAQR6	6.76162	7.36932	7.32435	6.68534	8.12286	6.96469	6.78271	7.3488	7.54686	6.4835	6.8567	8.8284	6.92817	6.37723	6.85555	8.5017
PAQR7	7.49773	7.75674	6.69776	6.78183	7.09448	6.86424	7.28271	6.63886	6.83665	6.45401	6.43161	7.16916	6.73759	6.63574	6.48199	6.48673
PAQR8	8.41276	7.82021	8.14684	8.08385	7.53288	8.15536	8.11563	7.3259	8.71838	7.28879	7.81833	7.89062	7.37737	6.78681	7.5148	7.65979
PAQR9	3.29216	2.33881	2.87369	3.25118	3.13781	3.94083	4.28288	3.03738	3.6301	3.69122	1.52718	2.37224	3.52546	2.3531	2.77128	3.55585
PARD3	7.4767	5.65306	5.44648	5.69738	6.12693	7.06794	7.29564	5.00815	6.89588	5.9978	5.21203	4.15034	5.0758	6.69747	6.62425	4.73321
PARD3-A	5.24859	0.62135	4.45763	3.72039	4.62281	0.41936	1.95222	1.67907	4.59228	5.64594	4.04541	4.95899	4.44582	3.82047	4.78568	4.92816
PARD3B	5.04222	4.28084	5.11271	3.92173	4.68499	4.9251	5.1147	5.16332	4.26756	4.23968	4.81378	4.54926	4.53865	5.04296	4.51992	4.59728
PARD6A	5.65625	6.69201	5.70605	6.52222	5.09839	5.13815	5.93156	5.31891	5.6566	5.17323	6.66307	6.78137	6.96755	6.37891	5.809	5.8566
PARD6B	5.00549	5.04268	5.35896	5.8116	4.58359	5.40376	6.25751	4.87083	4.71007	5.1344	4.97252	4.78582	5.46637	5.38125	5.51451	5.60515
PARD6G	4.39799	5.18306	5.08786	5.47849	4.97217	5.12234	4.6954	5.57693	5.77073	5.49219	5.3451	5.35145	5.95336	5.80222	5.80309	4.6793
PARD6G	4.82998	4.24629	4.60388	5.37911	5.16332	5.49698	5.44093	4.5714	4.19706	4.03381	5.97954	4.72621	4.91397	6.05349	5.39508	5.2591
PARG	8.42321	7.89457	7.56657	8.35122	8.14486	8.50466	7.51308	6.73741	8.01487	7.25736	8.09094	7.55668	8.55517	8.21376	7.64485	8.2345
PARK2	2.71114	4.32291	3.26974	3.59882	3.40607	3.89212	3.61127	3.99029	3.47481	3.92524	3.35088	3.66493	2.80388	3.75304	3.31135	4.02856
PARK7	12.468	12.6076	12.6625	12.5715	12.6625	12.5183	12.6076	12.7145	12.5323	12.3273	12.5715	12.5041	12.5715	12.5323	12.6516	12.5511
PARL	6.05559	7.33012	5.87249	7.01816	6.53371	7.01379	6.39845	7.01061	6.90107	7.17978	7.07031	7.22752	7.23137	6.94963	6.28247	7.22574
PARM1	6.99346	7.90795	8.26432	7.75805	8.04951	7.45122	7.74792	8.36393	7.9021	7.85197	6.87241	7.43628	7.92662	7.3425	8.19574	8.09982
PARN	9.54936	9.30766	9.40267	8.7811	9.50129	9.11675	8.66913	9.16254	9.83281	9.74747	9.51684	8.77496	8.71563	9.52648	9.78666	9.34899
PARP1	8.59959	9.29696	8.80792	9.09551	9.87831	8.87472	9.43871	9.67664	9.65751	8.79361	9.40387	9.17731	9.54173	9.45199	9.50195	9.6967
PARP10	5.98103	5.69505	5.58837	5.24782	5.35251	5.72192	5.62311	5.68932	5.17349	4.85572	5.86096	5.60835	5.73055	5.36331	5.12561	6.02602
PARP11	5.43333	6.40695	6.48665	5.66581	7.12845	5.98749	6.24639	6.70168	6.45334	6.33653	6.54977	6.47995	6.2519	5.88338	6.54672	5.81858
PARP12	9.61082	9.21274	9.4889	8.38509	9.75903	9.06394	10.0103	9.87278	9.43414	8.75165	10.2011	8.37877	10.0722	10.3113	10.5021	10.6972
PARP14	6.9961	7.26649	7.36877	6.58567	7.06771	6.78332	6.77096	7.30374	7.36632	6.76542	7.28855	7.05285	7.11951	7.0519	7.51679	7.13275
PARP15	4.27381	5.28109	4.90466	4.3157	5.49803	3.60443	4.26138	5.81741	5.29518	3.98391	4.50847	3.82218	3.24115	1.6611	3.80004	4.00266
PARP16	6.83019	6.96054	6.19729	6.8608	7.10816	7.39425	7.94046	7.5677	6.70282	6.8108	6.28743	6.92185	6.88386	7.29064	7.4124	7.26814
PARP2	7.27872	7.10136	7.10488	7.21213	7.76184	7.20767	7.19487	7.96148	7.46126	7.29896	7.09477	7.66374	7.53361	6.87697	7.42946	7.49429
PARP3	7.09069	7.2324	7.31648	7.29628	6.81566	6.42868	5.43281	7.68616	6.98832	7.32123	7.20332	7.528	6.68677	7.52542	7.01686	7.68808
PARP4	7.21911	6.99083	7.32079	7.22267	7.66558	7.40819	8.18266	8.08689	7.62953	7.30421	7.88701	5.8676	6.4043	7.86742	7.35432	6.88771

PARP6	7.48581	7.31491	7.55668	7.11489	7.96861	7.45503	7.79974	7.46126	7.54991	7.50417	7.13535	7.77507	7.72953	7.62995	7.72534	7.6003
PARP8	7.93391	8.2345	8.64334	8.08992	8.0588	8.14205	7.54789	8.38448	8.05538	7.72862	7.37333	7.40382	7.27438	7.33374	7.99228	7.89457
PARP9	7.4807	7.49883	8.50865	7.48719	8.20911	7.21883	7.88036	8.33093	8.26476	7.16167	8.32521	7.54861	7.88984	7.61185	8.32269	7.89992
PARPBP	4.06894	3.98788	4.35485	2.91116	6.00397	3.99645	6.37253	6.21558	5.75236	4.71174	6.44456	4.72913	6.49655	5.77633	6.25405	6.60124
PARS2	6.37105	5.95677	4.74775	4.70214	5.75357	6.52681	6.4483	6.62287	5.97212	4.46917	4.86617	4.06056	3.99596	5.75101	6.05243	4.63943
PART1	6.49835	6.34809	6.44179	6.45541	5.34019	4.90633	5.79382	5.53424	5.1842	7.56028	5.54416	6.2985	6.38192	5.97818	5.582	6.23972
PARVA	7.19867	6.46954	6.65043	6.47236	6.32921	6.8718	7.03191	5.92351	5.64977	6.88861	6.03071	6.37657	6.20812	6.36616	6.71983	5.96714
PARVB	4.60192	5.69455	5.24253	5.4497	5.47849	4.74035	6.19114	5.61352	5.80597	4.86031	5.70643	5.55308	5.38125	4.91008	5.35681	5.96086
PARVG	4.91497	5.93022	5.93318	5.96676	6.53922	5.42892	5.18766	5.0723	5.84528	4.37083	6.17732	5.00585	4.98956	4.47102	5.92857	5.32145
PASD1	4.99067	5.14382	5.67169	5.77035	5.78435	5.27542	4.88202	6.16942	5.72034	6.27471	4.57021	5.27316	5.32616	5.50599	4.98404	5.37957
PASK	7.30897	7.36846	7.24828	8.03276	7.73373	7.19639	7.05868	6.71402	7.53547	5.04748	6.35326	7.8236	6.09189	6.71089	8.01278	7.36657
PATE1	4.27004	3.36074	4.53056	4.04442	4.26025	4.45498	2.51876	4.17406	3.41557	4.71759	3.60275	3.31395	3.45856	4.08829	2.61993	4.12898
PATE2	5.87483	4.91088	5.66737	5.54505	5.62483	5.35829	5.46222	5.80143	4.73809	5.20755	4.86304	3.405	4.59673	5.97437	5.32594	4.11853
PATL1	5.61166	6.27322	5.81725	6.0104	6.42834	6.8284	6.30419	6.51834	6.31023	6.07655	6.65991	6.69747	6.76622	5.96837	6.03981	6.14728
PATL2	7.93509	7.15498	7.11194	6.75602	7.75627	6.5579	4.34799	8.08135	7.97532	4.28394	6.56249	7.40259	4.23895	3.46534	4.5234	7.34178
PATZ1	4.93688	4.89915	4.44519	4.7732	4.82694	4.26025	5.61631	4.51459	4.89326	4.58508	5.28882	5.2546	5.20337	4.63208	5.07257	4.25526
PAWR	6.30808	6.129	5.96381	6.15976	6.60392	5.93039	7.37909	6.25904	6.12053	6.49514	5.85971	5.8257	6.42897	6.98472	5.97023	6.9948
PAX1	4.50487	4.36795	3.58419	4.74464	4.50367	4.08953	4.59589	5.1725	4.82016	4.45196	4.6197	4.47847	4.80597	4.45111	4.40595	4.65281
PAX2	6.0856	6.63446	6.69613	6.77933	6.2458	6.087	6.80197	7.13471	6.79512	6.61445	6.19263	6.79073	7.03987	6.15861	6.84156	6.80357
PAX3	3.79195	3.79285	3.47434	3.67421	3.04535	3.89133	4.38727	4.1175	3.23826	4.46511	4.81223	3.50907	3.77982	4.14906	4.27723	4.05284
PAX4	4.25809	4.06207	4.7732	4.66919	4.37563	4.67557	4.8249	4.01411	5.16763	4.52625	4.7638	3.94226	4.65737	3.25228	3.96394	4.50771
PAX5	6.13229	7.07175	6.80249	6.97076	5.87129	6.90726	5.50884	6.12725	6.35184	5.69771	5.52089	7.06551	5.07599	5.79509	5.55129	5.40205
PAX6	1.97644	3.22335	2.13152	2.24203	5.49882	3.95837	2.83106	2.71495	3.18013	2.56188	3.88851	3.22968	1.80106	2.2056	2.13152	2.02448
PAX7	4.28869	4.63208	4.55237	6.26341	5.26248	4.44022	4.68824	5.23593	4.42688	4.78042	4.62999	4.45842	5.86557	5.06834	5.03262	5.02563
PAX8	4.37224	3.88616	3.79424	3.38837	3.87574	3.96018	4.28209	4.16919	4.45311	3.21196	4.41812	4.26185	4.82236	4.05336	3.82021	4.97
PAX8-AS	6.63446	6.55759	6.45376	5.92122	7.61408	6.8502	6.26776	6.21509	5.27601	5.10092	4.62043	4.42934	7.13144	7.8312	5.90706	7.86869
PAX9	6.28712	5.56236	5.82886	6.5278	7.09339	5.20433	7.40259	5.3128	5.42705	6.8099	4.70305	4.88779	5.29139	7.15354	6.18497	5.11589
PAXBP1	5.86663	6.00192	5.79136	5.93233	6.27692	6.13349	6.46131	6.85409	5.77304	5.96608	5.86194	5.65893	6.40548	6.42215	6.03962	6.20071
PAXBP1-	3.10689	4.00094	4.37824	4.19503	3.53545	3.13971	5.53799	3.84816	3.8946	4.42934	4.04173	4.35086	4.39917	3.70305	3.56319	4.45365
PAXIP1	7.72349	7.86992	7.95894	8.10258	7.79825	8.16276	8.15714	8.0326	7.71129	7.23509	7.46294	7.96537	7.75099	8.20021	7.58648	8.06888
PAXIP1-/	8.63859	8.62243	7.8224	8.22729	8.1411	8.42856	7.37019	7.8817	7.85734	8.07286	7.79314	8.40426	8.51686	7.81954	8.59024	9.30096
PAXIP1C	4.11511	4.68051	4.30957	4.50847	3.1156	4.7744	4.64905	4.07798	4.50648	3.25629	3.13842	4.14078	3.09671	2.87786	3.15571	3.87292
PBDC1	7.14861	6.56458	7.17199	7.29564	7.30631	6.7305	6.09333	5.80605	7.2897	6.07992	7.52366	6.1613	7.28649	7.48502	6.99644	6.52891
PBK	5.57283	7.63045	6.57289	6.0617	8.05758	7.03398	8.94258	8.08779	7.45765	5.24846	8.59959	7.74136	8.50865	7.80863	7.77048	8.52577
PBLD	5.07091	5.042	4.84882	4.59373	4.69815	4.92065	4.24599	4.49537	4.51459	5.42824	4.91294	4.55731	5.04051	5.17275	4.98927	5.46016

PBOV1	4.55979	4.38323	5.95819	4.40301	4.57686	3.76953	4.44111	4.70533	5.49685	4.60513	4.33174	3.89796	4.9001	5.2576	4.54391	4.8484
PBRM1	5.63587	5.26039	5.32123	5.43291	5.15634	5.45626	5.50191	5.79284	5.56872	5.06778	5.57898	4.59162	5.42798	5.59977	5.19754	6.03515
PBX1	6.23627	6.43458	6.71482	6.52919	7.04216	6.49724	6.36922	6.09484	6.96438	6.6127	5.77833	6.18553	6.53939	6.73909	6.77874	7.37019
PBX2	5.70963	6.33478	6.85206	6.45026	6.55834	6.36616	5.9746	6.52278	6.66476	6.41038	5.62822	6.23891	5.57982	6.16838	6.17432	6.02299
PBX3	6.43844	6.86948	6.92836	6.87603	7.07057	5.65192	6.45222	4.92065	6.73451	7.12819	6.73765	5.41144	6.8657	5.56319	6.3105	9.52199
PBX4	6.57527	6.76746	7.00465	6.7756	6.97222	6.82178	6.11701	7.2218	6.86006	4.03381	5.56141	7.04564	4.98805	6.31353	6.0945	7.35231
PBXIP1	5.69545	4.72517	5.49777	4.59755	5.13806	5.0616	4.51886	4.60609	5.70016	5.33521	4.35178	5.77244	4.59852	4.56757	5.4251	5.02465
PC	6.32093	4.25266	2.07548	4.49557	5.8529	3.85447	5.65866	4.8294	6.30604	6.00553	5.80159	5.76752	3.00618	2.62575	5.70887	5.14155
PCA3	4.7669	4.18908	5.16507	4.16665	4.53835	4.63246	3.88524	5.63564	4.72569	3.84953	4.95231	4.55059	5.62092	5.26217	5.49513	5.10752
PCAT18	4.31556	5.18587	5.15599	5.43449	4.80673	5.64151	4.47708	5.56338	5.12426	5.48805	5.22179	6.06651	5.96423	5.48413	6.02588	5.86266
PCAT19	6.79978	7.01184	7.51264	6.82339	5.0677	7.67064	4.37306	6.28271	4.41574	4.96614	6.54533	6.9911	4.98805	4.6285	5.97157	4.389
PCAT4	6.35649	5.76559	5.68495	6.14165	6.13194	5.95527	6.34799	6.72166	6.17068	6.2573	6.03446	6.44083	6.60922	6.31756	5.94499	6.41424
PCAT6	6.40233	6.48301	6.31876	6.75167	5.99529	6.25094	6.65654	8.24826	6.12635	7.47398	5.6827	5.96658	6.89488	6.02272	6.50845	6.28732
PCBD1	6.87509	6.40057	5.2546	5.22073	5.00222	6.4856	4.91176	2.81438	6.43161	6.01673	6.18738	6.5515	6.69926	7.58662	6.35641	6.12053
PCBD2	6.90246	6.8334	6.26814	6.62295	5.86075	6.75866	6.96157	7.01444	7.42167	6.85804	6.87509	6.29584	6.64457	6.78271	6.14099	6.71649
PCBP1	9.28236	9.91866	10.0365	10.3765	10.0162	9.75247	8.36678	8.6349	8.96335	10.0552	9.60515	10.6549	9.63482	10.2856	9.43764	9.84759
PCBP1-A	5.33521	4.75104	5.46171	4.71641	5.4479	4.58146	5.29298	5.3965	4.58668	5.0244	5.13789	4.55822	5.04544	4.71918	5.30268	5.06647
PCBP2	6.36138	6.21493	6.21309	6.4795	6.1132	6.46176	6.50664	6.17289	6.01067	6.52323	6.29342	6.26246	6.1846	6.68585	6.30501	6.38787
PCBP3	6.71745	6.77663	6.65179	7.05684	6.75582	6.63204	5.88216	7.0261	6.44222	6.58963	6.82962	6.49934	6.77226	6.69776	6.85132	6.85454
PCBP4	6.85031	6.85535	6.47918	6.19518	6.20144	6.98738	6.06525	5.692	6.98422	7.69174	6.56249	7.36993	5.99542	6.41313	6.4751	6.44764
PCCA	5.00736	5.09551	5.22673	6.15366	5.53829	5.30704	6.08394	5.54853	5.5734	4.83965	5.93259	4.39454	5.13232	5.59254	5.62395	4.93822
PCCB	5.12864	5.68136	5.08873	5.23108	5.93927	4.92491	5.27302	5.62113	5.17003	5.16648	4.82805	5.21683	5.71324	5.14236	4.73152	5.97927
PCDH1	3.94546	4.45382	4.07031	4.99358	4.37434	3.64403	4.80261	4.75257	2.84914	3.78588	4.12557	4.23866	4.29733	3.99805	4.82694	4.4881
PCDH10	3.27667	4.43243	4.2307	4.86187	4.01473	4.20556	4.64929	4.42997	3.59924	4.57559	4.72787	4.26699	4.29049	4.66635	4.08018	4.79693
PCDH11X	6.22575	5.8181	4.026	5.4746	5.99744	5.28311	6.36379	4.08791	6.41737	4.46917	6.0528	6.01971	6.23972	6.2781	6.26461	5.62406
PCDH12	5.52006	5.85624	6.19499	6.31316	5.60018	7.00554	6.25521	6.66328	6.45026	5.39899	6.66774	7.01562	5.93689	6.37891	6.17169	5.89702
PCDH15	1.35312	1.82475	2.30796	0.96595	1.67217	1.65894	0.87828	1.97947	3.14636	2.1404	1.52517	1.74742	1.70353	1.55263	0.51491	0.75844
PCDH17	5.03387	5.34567	7.18473	6.01372	6.80289	7.20717	6.6161	6.64326	5.35492	5.84031	5.92197	6.01209	6.00397	6.34034	6.79006	5.83541
PCDH18	5.5845	5.52677	6.11865	5.60661	5.53684	6.22105	5.18956	5.57367	5.28109	6.47102	5.86436	5.99734	5.9294	6.12774	5.57791	6.16313
PCDH19	5.81304	4.08875	6.41202	3.15929	6.98813	9.3245	7.52678	1.54991	5.66879	6.30132	2.64984	7.08169	7.45339	7.6702	6.62636	6.64978
PCDH7	5.6175	5.24821	4.74959	5.13985	5.75528	5.55605	4.81256	3.9077	6.1103	5.22028	6.14424	4.67688	4.95627	4.45311	4.62263	4.72807
PCDH8	4.63591	4.23261	4.50625	4.64889	2.76484	3.88596	6.13169	3.76379	4.34561	4.84572	3.18189	3.91935	3.65598	5.01656	3.32134	4.62964
PCDH9	3.51927	3.5907	2.69383	3.31714	3.33153	5.12489	2.01139	2.39163	4.1611	4.47042	2.14586	2.26497	1.98584	2.39654	2.90235	1.25802
PCDHA1	6.44456	5.89327	6.57111	6.46847	6.23813	5.75891	5.99003	7.1008	6.58264	5.90889	5.51991	6.39572	5.74785	6.2781	5.68755	5.95703
PCDHA2	2.72538	2.23621	2.66774	3.72039	3.26091	1.90997	2.96225	2.40011	3.50839	3.09196	2.48014	2.41615	3.23246	3.54384	3.37408	2.59102

PCDHA5	4.99067	3.12278	5.1255	4.9083	5.30524	4.0873	5.67127	6.3021	6.25692	5.932	6.18412	3.85447	6.45819	5.6823	5.08159	4.07003
PCDHA9	3.50034	4.35931	1.79898	2.85497	2.83544	5.83323	3.77935	3.91364	2.92006	3.20323	3.02585	5.10078	5.03851	4.27418	4.00819	4.28288
PCDHAC	5.42436	6.95611	8.27429	6.94086	5.74052	6.48966	6.01309	7.70895	7.47282	7.22828	5.80388	6.70543	4.72831	6.78087	6.42295	5.51577
PCDHAC	2.00108	2.29438	2.23187	2.184	2.29738	2.31052	2.53476	2.83945	2.39727	2.2766	2.52439	2.44179	2.17097	2.59761	2.49591	2.12859
PCDHB1	5.0222	3.07762	5.73862	5.89493	5.54452	5.78328	5.82817	6.03368	4.27526	6.31931	4.58758	5.97084	5.86066	5.78062	5.50296	5.8608
PCDHB1	2.37329	2.65522	3.0093	2.0998	3.0533	3.11933	2.47678	2.83945	3.17124	3.07203	2.48014	3.22488	3.42036	2.83991	2.41671	2.31622
PCDHB1	3.32431	3.30026	3.75788	4.00732	3.07162	3.77609	3.10453	4.47773	3.95837	3.13394	3.80377	4.06056	5.48407	3.66246	3.51602	3.28662
PCDHB1	4.89773	4.40807	4.3009	4.7908	4.27689	5.01322	4.24079	5.13338	4.13154	3.94794	4.60364	3.9348	4.41538	5.21834	4.42048	5.02733
PCDHB1	7.53935	5.62589	7.40184	7.42441	7.75523	7.22163	8.27451	6.45211	7.35339	8.23591	5.46048	6.34341	7.94437	8.049	7.61612	8.31214
PCDHB1	4.9553	4.78506	4.12524	4.45523	4.97974	5.23419	1.43866	5.62759	4.29487	4.83738	4.79301	4.44009	5.58559	3.54384	4.88519	5.22223
PCDHB1	6.00821	5.21546	5.77853	6.20242	5.83049	6.04611	6.62448	5.38422	6.18897	7.23189	5.0929	4.97617	7.165	6.04321	6.49942	6.30843
PCDHB1	5.9649	5.21946	5.72456	5.32765	6.0437	6.27789	6.26102	6.22039	4.61934	6.34241	5.75467	5.85157	5.98237	5.86194	5.56375	5.96359
PCDHB1	3.27772	2.4321	2.43485	2.46916	2.42207	3.84816	4.17406	4.19177	4.05472	2.52728	3.59361	3.9739	3.55162	3.78662	3.71345	3.85528
PCDHB2	5.59425	3.01952	6.30551	5.75592	6.2212	4.05393	2.42155	1.67907	0.89896	2.50603	5.23391	1.54854	3.93646	3.8419	5.24005	6.0554
PCDHB3	2.59594	3.55029	3.54915	2.99422	3.96094	3.18151	2.49029	2.2824	2.91059	2.06833	3.74494	2.95335	1.66665	2.49682	3.70654	3.32466
PCDHB4	3.86818	3.02707	4.4478	4.83068	3.81369	3.5644	4.61485	2.19315	4.08527	5.48188	3.77125	3.61082	3.912	3.80575	3.5613	2.44654
PCDHB5	2.94778	3.04911	1.85463	3.49407	2.21727	3.15165	2.27576	2.04007	2.25875	4.25004	2.04035	2.15748	3.32016	1.97057	1.6611	3.37025
PCDHB6	3.93385	3.14882	3.64473	4.38559	3.02447	3.92882	3.86022	4.59373	3.05512	4.34316	3.83495	3.95895	4.53544	3.17553	2.90159	3.46755
PCDHB7	3.31017	4.51771	2.90619	2.77414	5.47673	5.26854	3.47278	2.731	5.63434	4.67521	3.3963	6.15139	7.16848	2.86263	4.56108	2.38828
PCDHB8	3.62466	5.35328	4.49114	5.66075	4.82316	5.77708	5.6487	5.52587	5.66485	5.45776	5.52385	5.79149	5.83098	5.87121	5.01318	4.99899
PCDHB9	4.17798	6.30382	5.09112	4.63389	5.44738	4.25611	4.85299	4.85984	3.69577	4.75793	5.19754	4.66059	5.5537	4.54346	4.82932	5.22223
PCDHGA	5.9677	6.29363	5.6255	5.69175	6.18068	5.90903	6.41151	6.70784	5.87771	6.12673	5.92694	3.69374	6.76053	5.88181	5.86526	6.49041
PCDHGA	2.04089	2.21392	2.14348	2.22193	1.42806	2.65434	2.5047	2.23712	1.98342	1.22431	2.10233	2.01179	2.31554	2.41572	2.21248	2.22886
PCDHGA	5.20249	6.22022	4.56108	4.13837	4.88123	4.57155	5.19266	4.33877	4.574	4.62117	5.59237	4.6793	4.95701	5.08609	4.35988	4.80261
PCDHGA	5.20828	3.93772	6.21121	2.81334	5.79694	5.30537	5.6613	5.81525	2.97568	4.68137	4.70546	2.56799	5.4874	3.8419	4.74294	5.14578
PCDHGA	5.01851	5.15466	5.81566	4.55668	5.62849	5.50242	5.97739	4.59647	4.25669	5.97535	3.89949	6.34106	3.17825	5.72434	4.35255	3.92452
PCDHGA	2.68367	2.18884	2.89422	2.22193	2.61273	4.7822	3.90378	2.30474	2.83517	2.66614	4.7581	3.68084	2.62575	2.57571	3.90511	3.80861
PCDHGB	6.23752	6.46239	6.16667	6.6346	5.32934	5.85098	6.10048	6.61469	6.80312	6.24408	6.23514	5.74526	6.0009	6.49246	6.65059	6.49899
PCDHGB	5.24859	4.15069	4.40279	4.60376	3.36671	3.40348	5.14257	3.86842	2.25875	5.45776	1.54854	2.44179	5.1154	3.24563	3.51602	3.97214
PCDHGB	1.73493	1.0625	-0.3067	1.31605	1.75461	2.09215	0.55223	1.70848	0.75844	0.71928	1.28009	0.56003	2.09608	1.51913	-0.2642	-0.2117
PCDHGB	3.48571	2.49227	4.94613	3.23213	3.22566	3.93664	2.9333	4.8294	2.25875	5.12105	3.80377	4.3216	2.23314	3.16811	4.53449	3.17553
PCDHGC	4.31071	4.56108	5.0266	5.27173	4.34957	4.18221	5.94746	5.24722	4.8882	4.28781	5.43821	5.87687	5.0929	4.76901	5.07507	5.44685
PCDHGC	2.76442	3.04099	3.28265	3.48084	2.64083	3.63219	3.09201	3.86205	2.96792	3.20944	3.11652	2.58676	2.87454	2.87657	2.79123	2.9174
PCDHGC	2.44059	2.1636	0.71928	1.06683	2.1445	2.15563	2.3531	0.64273	1.26079	1.15042	2.18694	1.122	0.86502	1.4403	1.55502	1.15718
PCDP1	6.44361	6.39556	4.83511	6.10912	4.94613	3.88863	4.08018	4.84558	5.02068	4.81223	4.3896	4.97988	4.61534	4.37397	5.0747	3.70011

PCED1A	6.70168	6.75906	7.33274	6.90628	7.04472	7.7715	7.82975	7.7665	7.88233	6.64239	6.88181	7.47372	7.4919	7.32104	7.38774	7.23313
PCED1B	5.94267	7.16333	7.47747	7.49457	7.02275	7.7506	5.80316	8.30405	7.73683	6.02266	6.39244	8.0941	4.84193	4.83639	7.13124	4.97152
PCED1B-	5.45017	5.84555	4.81549	6.31316	4.80673	5.34499	4.27634	5.24358	5.86958	4.14078	5.19754	6.06651	6.30993	5.50359	6.17101	5.95512
PCF11	7.31308	7.62214	7.91692	8.31327	8.25123	8.04873	7.32647	8.00027	7.05684	7.47821	7.33414	7.63792	7.86216	7.75853	7.65979	8.01756
PCGEM1	4.21256	3.14845	4.57279	2.96699	3.65968	3.43472	3.69203	2.99916	4.21911	3.87574	4.28519	3.31489	4.0601	3.40595	2.83233	4.69574
PCGF1	5.22056	5.17093	5.06279	5.36506	4.98558	5.01451	5.41101	4.78005	5.82812	4.58697	5.35465	5.00573	5.55891	5.42236	4.17704	5.22723
PCGF2	6.05111	5.80361	5.47986	6.36411	5.93676	6.37807	6.46154	6.21535	5.98304	6.24025	6.13374	6.13121	6.38216	5.88266	5.96608	6.30147
PCGF3	6.49514	7.25372	6.79241	7.00568	7.44322	7.01721	6.44252	7.17234	6.74395	6.46565	6.88319	7.38746	7.34402	7.27347	7.11435	7.23414
PCGF5	5.85947	6.75475	6.83657	6.80002	6.87804	6.37591	6.31064	6.48361	6.22135	6.65877	6.69213	6.4501	6.1475	6.34706	6.54549	6.29087
PCGF6	6.84551	7.39312	7.52086	6.6346	7.19964	7.56562	7.05075	6.60934	5.93916	7.4021	7.43046	6.72589	7.70512	7.58523	7.79386	7.53474
PCID2	7.34076	7.76523	7.89638	7.5148	7.67469	7.68633	7.49498	6.71374	7.02771	7.70458	8.17734	7.46529	7.59726	8.71164	7.98438	7.88907
PCIF1	4.98956	5.65081	5.58593	5.53829	5.41113	5.41054	5.22506	5.24859	5.13901	5.25191	5.89763	5.49338	5.85888	5.29437	5.20282	5.3635
PCK1	4.98058	4.06571	4.84794	4.22883	4.06784	4.71174	5.79032	3.0481	4.26581	5.60707	4.3732	5.48098	2.73615	3.90216	3.98218	4.44959
PCK2	8.14585	8.61036	8.15443	8.10994	7.72392	7.66053	8.1398	8.77677	8.84803	8.42344	8.32579	8.49992	7.57059	7.29519	7.65029	7.73582
PCLO	4.44294	4.73008	4.44812	5.23378	4.71077	4.7897	5.35398	4.74678	5.24005	5.07813	4.99475	4.25692	4.70503	4.79167	4.84501	3.81566
PCM1	7.88778	6.54354	7.50417	7.56462	7.56307	7.48453	7.88503	7.37425	7.42558	7.10453	6.83775	6.90705	6.93394	7.29217	7.0755	7.45051
PCMT1	8.54009	8.8583	9.30916	9.36648	9.30096	9.02285	9.36239	9.34754	9.05078	9.22889	9.48206	8.99568	8.98598	9.01455	9.13804	8.96842
PCMTD1	6.22411	6.83673	6.95399	6.2395	7.64001	7.07329	7.48453	6.33808	6.64035	6.94536	6.11977	6.30273	6.45894	6.66184	6.84273	7.12462
PCMTD2	6.65253	6.85234	7.46926	6.50796	6.81012	7.33669	6.44984	5.94337	6.61706	6.98418	6.6685	7.02233	6.42461	6.27641	7.28174	6.70112
PCNA	8.94549	9.51901	9.59537	9.31324	10.5857	9.79359	10.2341	10.545	10.0285	8.41852	10.5711	9.21392	10.6426	10.6031	10.5154	10.5021
PCNP	6.57211	7.49942	7.08796	6.99315	7.32104	7.12034	7.13978	7.37737	7.30165	7.08284	7.05953	6.87804	7.25999	6.98932	7.14971	8.19619
PCNT	6.69435	5.90795	5.89223	6.62877	6.27203	6.19445	6.33199	5.90396	5.78029	6.5885	6.58522	7.12866	6.81379	6.45355	6.28672	6.53649
PCNX	5.86329	5.782	5.65675	5.13097	6.12371	5.67455	5.44248	6.12881	5.59367	5.45881	7.06066	5.61894	5.85168	5.55712	5.59977	5.53126
PCNXL2	4.93822	4.92622	5.33781	5.54973	5.03633	5.57813	5.99292	4.74575	5.26645	5.37607	4.79031	5.10323	5.83474	5.38679	5.60018	5.27002
PCNXL3	3.22144	2.34474	2.42383	2.03633	2.10233	2.24655	2.70047	2.43067	2.39727	1.74155	2.15913	2.24796	2.42653	2.57571	1.88334	2.65953
PCNXL4	6.03728	5.33145	5.34279	5.56538	6.18888	5.38153	5.52616	6.00809	5.04602	5.6836	6.17147	4.75435	5.49192	5.03019	5.54336	6.1213
PCOLCE	5.54724	5.3348	5.08103	7.41461	5.86541	6.59726	4.74782	5.1616	5.31338	7.3866	5.86557	8.08705	3.53101	4.61514	7.83137	6.86455
PCOLCE-	5.71986	4.21854	5.33894	4.38405	5.00222	5.1341	4.14005	4.43413	4.81378	4.03381	5.47559	2.95936	6.01067	5.32976	4.48521	4.62964
PCOLCE2	5.96035	5.34983	6.8206	5.9265	8.42381	5.69329	8.25368	8.1821	6.20964	7.21707	5.36735	7.2897	7.61809	8.69915	7.96148	9.17857
PCP2	4.29421	6.23941	5.3987	5.28175	4.40686	3.99153	5.22744	3.80483	4.7581	3.05259	5.34654	3.65608	4.91397	3.80927	3.71862	3.52431
PCP4	6.60342	6.91209	7.30083	6.60342	8.77276	7.13353	7.0576	6.77902	6.01991	9.39963	6.54014	7.03198	7.1559	4.67459	7.3332	7.02877
PCP4L1	8.69101	8.89342	7.10758	7.81636	6.35878	6.68952	9.02378	6.387	7.55846	6.70305	6.96263	8.87472	5.78301	7.02816	6.13381	6.26199
PCSK1	0.34005	3.18041	5.19903	2.0998	4.13167	3.74792	4.47022	1.61881	4.2082	5.7104	4.52313	2.01179	4.14977	4.92151	3.99153	2.92719
PCSK1N	5.54724	2.53824	5.19266	5.73265	3.22566	2.97137	3.42552	3.50531	3.97161	4.39244	2.79035	5.45382	5.99786	5.65251	2.7465	6.2594
PCSK2	4.03935	3.66884	4.63315	4.00224	3.72865	3.15929	4.89553	3.26271	3.64473	4.4644	3.8167	3.66155	3.0635	4.2696	4.02241	3.95997

PCSK4	6.09691	5.24458	5.63471	5.56651	4.84616	6.31284	5.96781	6.91353	6.42136	5.66263	6.47297	7.13054	6.01907	6.05846	5.84548	5.77004
PCSK5	6.40898	4.92491	6.67871	5.92763	5.51686	6.83262	4.95899	5.42899	5.02563	6.01309	5.66772	6.33597	3.13052	4.36607	6.89099	4.76219
PCSK6	4.27343	4.94638	5.0929	5.44159	4.88397	4.89326	4.83606	5.35346	4.82105	5.40101	4.49537	4.73125	4.8578	5.07153	4.46592	5.4365
PCSK7	4.96603	5.35106	5.41963	5.62571	4.78297	5.84738	4.23968	4.09177	4.08349	3.71298	4.80767	5.56719	4.35134	5.34336	4.08085	5.18736
PCSK9	5.18934	6.50281	5.49251	4.78392	6.15674	6.09415	6.34587	6.6557	6.1544	5.65982	5.0759	7.17501	6.27208	6.02272	6.10334	6.2594
PCTP	4.20074	6.35195	6.58617	4.82178	6.16405	6.08074	2.67152	2.52957	7.11022	7.25544	7.03265	5.8691	3.23246	5.36067	5.56375	3.1481
PCYOX1	6.94552	6.72015	7.05741	6.93323	7.00523	7.25736	6.69812	6.18015	5.07061	7.57667	6.34408	7.18606	6.09165	6.03682	6.66617	6.51112
PCYOX1	7.5049	7.84833	6.72589	7.39156	7.03182	7.91945	7.61387	7.86992	7.56512	7.14818	7.0852	7.44712	7.82888	7.55453	7.72056	7.16605
PCYT1A	6.98553	6.1546	7.10916	7.01498	6.97857	6.85943	6.95215	6.89144	7.39338	6.83226	7.21091	6.92124	6.6849	6.53336	6.75906	6.6695
PCYT1B	5.15094	5.20466	4.31702	4.79861	3.97756	4.24019	4.96907	5.47218	4.13938	4.61485	4.10559	4.78908	5.35699	4.68985	4.31702	4.54821
PCYT2	6.56214	6.06094	5.74197	6.07538	5.17376	4.76854	6.22736	5.49394	5.43004	4.50587	6.39389	6.49283	4.79581	5.6426	5.20269	5.69362
PDAP1	4.90267	5.94746	4.55731	4.6016	5.27879	4.45583	6.16574	4.87494	4.95264	4.86639	4.69843	4.6173	4.63503	6.21509	5.02104	5.25591
PDC	2.70064	3.51602	4.40279	5.33258	5.81749	4.39841	5.03767	4.68363	5.37446	5.47132	4.72254	4.63689	3.96898	6.66244	6.29639	6.35534
PDCD1	5.97437	5.49584	4.34691	3.35104	5.51128	5.72006	4.41747	4.85984	4.16584	3.31009	5.20037	5.87483	3.64142	5.13985	5.24618	5.7127
PDCD10	9.66114	9.90298	9.98188	10.1211	10.1277	10.0259	9.78849	10.2257	9.85111	9.52486	10.1739	9.37899	10.4028	9.74322	10.0375	10.2667
PDCD11	7.41961	7.66787	6.8119	6.83876	6.77172	7.51379	7.32104	7.62433	6.87509	6.50885	7.75932	8.21756	7.24828	8.15642	7.23499	7.41297
PDCD1L	2.42455	3.53424	2.56188	2.99474	3.71375	3.19558	1.97229	3.57535	3.47114	4.29147	3.42972	1.85796	2.32386	3.20427	2.48301	2.30303
PDCD2	6.17476	6.97123	6.89301	6.4743	7.22146	6.60271	7.60335	7.31853	6.58303	6.58522	6.91218	6.78681	7.34719	6.88409	7.15193	7.26312
PDCD2L	5.99957	5.57693	6.17732	6.33379	7.00902	6.95795	7.09549	7.1297	6.57373	5.95178	7.0827	6.85248	7.52204	7.75627	6.52136	7.57258
PDCD4	3.06503	4.60868	2.98152	5.58812	5.56689	2.99117	3.16512	5.68015	2.35886	3.98113	3.82899	5.10586	5.35044	3.24563	4.77313	5.26217
PDCD4-A	6.39361	6.55779	5.86084	6.09232	6.77394	6.55076	5.27954	6.77648	6.26239	6.03361	5.27518	6.60482	6.16667	6.97709	6.31858	6.57554
PDCD5	6.02299	6.4066	6.14115	5.95743	7.79044	7.35478	7.65366	6.47587	6.09844	6.35819	6.93448	6.71275	6.48497	7.16505	6.76752	7.36816
PDCD6	7.92662	7.53607	8.32756	8.06572	7.32487	8.07912	8.27303	8.31171	7.7715	7.76606	7.55559	7.81359	7.38721	7.45503	7.46304	7.00304
PDCD6IP	8.50784	8.47703	8.57771	8.62066	8.14417	7.88283	7.57865	8.26602	8.29176	8.48593	8.41962	7.97768	7.35599	8.03371	8.23922	8.51627
PDCD7	5.75395	5.10669	5.65363	4.59852	5.3453	5.27302	6.00667	5.50633	5.40071	5.01734	5.17349	5.93172	4.92282	5.52908	5.01511	5.36229
PDCL	7.17913	6.81149	5.9645	7.59995	7.69972	7.53993	7.14827	7.83502	7.2935	6.33298	7.79044	7.6386	7.7389	7.45844	7.68174	7.89962
PDCL2	1.37327	1.67217	4.5951	3.85758	1.20215	1.19537	1.73976	1.22235	1.45473	1.15042	4.0196	0.61335	1.97096	2.37224	2.43868	0.9979
PDDC1	8.35903	7.19354	7.98398	7.74992	7.45494	8.342	9.23884	8.04178	7.7389	8.48187	7.79704	7.96758	7.60305	8.25651	8.23001	6.69951
PDE10A	5.75151	5.77438	5.8913	4.78093	4.95084	6.04515	5.2853	6.08205	5.35044	6.37168	5.23078	5.51228	5.22934	6.34875	5.84579	5.41662
PDE11A	4.13803	4.10524	3.45142	4.25751	3.34536	4.15938	4.08055	4.75199	4.49983	4.47732	3.21462	3.63842	4.3896	3.55069	3.49503	4.12751
PDE12	5.21589	6.27821	5.83166	5.7268	5.70157	6.29935	5.83	7.03954	6.48183	6.03605	6.37325	5.47426	6.09956	5.28039	5.5837	6.38895
PDE1A	4.43688	4.49377	4.88154	4.59901	4.369	4.46942	4.28727	5.33875	4.64753	4.86734	4.33558	4.62832	3.78353	3.95644	4.68622	4.481
PDE1B	5.32883	5.20662	4.94061	4.9537	4.99704	4.89474	5.38235	4.6439	5.01527	5.64253	5.55298	3.65608	5.01038	5.70403	4.93071	5.19241
PDE1C	4.64364	4.31071	4.54667	3.7462	4.26411	4.70851	4.88397	4.68051	4.69108	4.44493	4.74392	4.60918	4.30829	4.54107	4.50053	4.83667
PDE2A	3.06503	3.77816	4.43096	3.42644	3.88843	2.88086	3.35187	4.31688	4.01633	3.83015	4.49934	4.42829	3.71375	3.36587	3.40607	3.58879

PDE3A	3.41843	2.92343	3.6535	3.47705	3.62252	4.32841	4.2226	3.05822	3.78526	3.38468	4.10524	3.45764	3.3065	3.3742	3.37974	3.41248
PDE3B	5.66671	5.84449	6.97702	6.12523	6.94281	6.96991	5.99882	6.6589	6.34789	6.28872	7.37019	6.75786	6.50178	5.03092	6.64525	6.94374
PDE4A	4.51349	4.41476	4.05184	4.18777	4.17056	4.08258	3.98331	4.16783	3.82141	4.91905	4.05376	3.8513	3.86449	4.08748	4.06234	3.6498
PDE4B	4.15843	6.40673	6.41801	6.48735	6.74124	6.83449	5.43378	6.8519	6.86887	6.83587	6.87934	6.84939	6.31417	6.47407	6.47973	5.53943
PDE4D	4.50434	5.11141	5.01451	4.60009	4.64006	4.89233	5.0464	4.63956	5.67397	4.90466	5.38571	4.78612	4.84458	4.8435	4.61373	4.99814
PDE4DIP	5.49338	5.32428	4.72028	4.53938	4.66469	4.79653	4.50924	4.80207	6.03826	4.53148	5.15109	4.7148	5.21721	4.72336	4.06438	5.15063
PDE5A	4.29854	5.33678	5.52073	5.07619	5.53995	5.35145	4.35974	5.00304	4.48907	5.39339	5.14257	5.07559	4.59491	5.06859	5.24505	5.01656
PDE6A	3.53756	4.00768	3.76552	4.2996	3.80647	3.93664	3.91631	2.78286	3.40648	4.23056	3.3963	2.76999	3.64142	4.25308	2.98901	3.73803
PDE6B	6.4202	5.72647	4.85113	5.32899	5.31219	5.01612	4.84997	4.50537	4.9748	4.60422	4.62003	5.63161	5.64462	4.92917	5.65251	4.62298
PDE6C	0.34005	-0.0172	3.79811	0.47227	1.3442	2.34348	1.98828	1.22235	0.56521	0.75071	4.24406	2.13113	1.4697	0.89896	1.52655	2.04035
PDE6D	7.04806	6.9682	6.77539	6.89606	6.62914	5.51756	6.47973	6.69	6.37105	6.28525	7.13293	7.00374	7.51829	7.64185	7.35149	7.75239
PDE6G	4.35066	4.60868	4.28615	3.80706	3.30882	4.9488	4.43758	3.91364	4.02473	4.06894	4.55723	4.77927	4.82036	4.47605	3.81591	3.87671
PDE6H	2.53024	2.70876	1.91144	3.1994	2.39414	2.60961	2.78886	3.97032	0.89896	2.04282	2.91487	2.59016	2.66449	2.48051	1.1668	3.07505
PDE7A	5.16049	5.63434	5.1428	5.53943	5.21128	5.8546	6.00856	5.86926	5.90076	5.14354	5.94415	5.40356	5.12864	5.3496	5.36713	5.93434
PDE7B	4.7744	4.74756	5.69415	4.93219	4.60738	4.7795	4.65251	5.36727	4.64822	5.23682	5.00506	4.32344	5.03092	4.99227	4.55271	4.37563
PDE8A	6.07116	5.96035	5.74862	5.34613	6.28643	5.39594	5.83661	5.55753	5.91387	6.07473	5.79319	4.34547	5.93839	6.35089	5.20976	6.134
PDE8B	5.48325	3.76136	4.14906	4.28111	3.40263	5.20872	5.37446	4.36436	3.67214	4.63576	4.11235	4.42144	4.17266	4.13938	4.52549	4.6265
PDE9A	4.70093	4.39732	4.93559	5.72828	4.98956	5.65292	5.70337	4.31215	4.33795	5.79284	3.60024	3.67466	5.50846	5.56103	5.58593	4.73341
PDGFA	4.87271	3.95471	4.73947	4.72028	4.92969	4.8047	4.78042	4.664	4.39335	5.08	4.75996	4.57635	4.76263	4.70419	4.76263	4.92218
PDGFB	4.62508	4.88092	4.82105	4.6561	4.97683	5.14928	4.67533	4.85212	4.45365	5.40016	4.99883	5.33796	5.35251	4.91109	4.85735	5.56679
PDGFC	5.60909	5.04246	4.61145	5.19152	5.92763	4.86772	4.20957	4.53092	5.02507	6.5982	4.16568	3.85906	4.79283	4.55271	4.99931	4.39789
PDGFD	6.01651	6.52505	6.38118	6.54427	6.93502	5.48589	6.37272	5.92	5.66058	7.07031	4.12326	5.68746	6.00906	6.64551	6.35819	5.64485
PDGFRA	5.10138	5.20142	5.86603	5.4303	5.44505	5.43465	5.74197	5.01314	5.13064	5.2755	5.84791	5.49125	5.36162	5.56253	6.29614	5.49545
PDGFRB	6.51199	6.96229	7.18606	6.90293	5.61572	7.16742	6.21417	5.47965	6.73228	5.87159	7.14362	7.71686	6.76392	6.77286	6.6791	6.50648
PDGFRL	5.88704	4.98706	7.49252	6.31316	7.82093	3.81413	4.67019	7.42558	6.13377	8.41149	6.98315	7.73397	6.706	6.84644	7.28322	7.83583
PDHA1	8.51015	8.37038	8.58514	8.67112	8.89896	9.09316	9.99282	9.71214	9.16731	8.81366	8.75288	8.63717	8.80376	9.55408	9.07924	8.42133
PDHA2	5.36418	5.60909	6.70707	6.23787	5.91698	6.09093	6.16248	6.26758	6.27451	6.35206	5.97046	6.54707	6.43057	6.22225	6.01598	6.72633
PDHB	9.0707	9.63286	9.02455	9.59537	8.93712	9.24862	8.36471	8.94258	9.05769	9.4479	9.53392	8.99254	8.60654	8.47257	8.83956	9.31398
PDHX	8.23714	8.8053	8.48507	8.58199	10.3074	9.63286	9.55522	9.45824	9.73676	9.43955	9.03131	8.35991	9.22523	8.82456	9.64026	9.17582
PDIA2	3.17146	2.62506	2.69786	3.16713	2.75034	2.34717	2.37075	2.74555	2.75034	2.70652	2.53346	3.02707	2.65325	2.78405	2.44876	2.98922
PDIA3	8.41119	7.99636	8.52475	8.10655	8.17578	8.08445	7.53657	8.46329	8.26769	9.19948	8.43012	7.8749	7.61253	8.14808	8.15863	8.11563
PDIA4	7.99341	6.77008	7.31725	7.22425	6.77193	7.7121	7.4726	6.0528	7.70533	7.25163	7.18879	8.45232	7.40328	6.99387	7.86423	7.67098
PDIA6	9.80853	9.49763	10.7467	9.76458	9.72612	9.58716	9.38055	8.98978	9.31202	10.5021	10.2398	10.3298	9.13234	10.3228	9.56807	9.36362
PDIK1L	7.74178	7.45982	8.14952	7.72752	7.99167	7.09952	7.44217	7.05041	7.29455	7.56369	7.48777	6.73581	7.46529	7.32427	7.82427	7.62972
PDILT	3.22144	1.7774	3.34445	2.40724	2.39414	3.4746	2.75954	2.98628	2.90046	2.2766	2.72092	3.55262	3.30026	2.83991	2.54889	2.86424

PDK1	6.26766	7.30308	8.24933	7.44302	7.32935	6.81937	7.03075	8.04951	7.37495	7.24927	6.51066	7.39805	6.91486	6.97145	7.58901	6.61445
PDK2	5.04151	4.73058	5.40291	4.43516	5.37333	5.22992	5.01906	4.88861	5.22992	5.05748	5.12587	5.04151	5.55145	5.14895	4.65199	4.81528
PDK3	6.23676	6.41685	6.35103	5.68304	6.34657	5.65363	6.14957	6.16548	6.9705	7.12946	7.16613	5.91823	6.40695	7.17913	6.03712	6.03493
PDK4	5.79691	5.23301	4.89718	5.23875	4.34161	4.89657	4.36934	4.58884	4.61091	5.59254	3.87338	3.91689	4.67994	4.42735	4.45813	3.79536
PDLIM1	12.1026	11.8369	11.7562	11.741	11.8369	11.6343	11.0154	12.2456	11.2756	11.4604	11.297	11.3587	11.1093	11.8254	11.768	11.9171
PDLIM2	6.22437	7.05573	5.65081	6.47005	6.36727	6.5917	6.21864	5.79211	6.15798	7.05041	6.47656	7.31041	6.49706	6.39618	5.76275	6.20996
PDLIM3	3.76082	3.84132	5.00115	4.01736	5.42705	5.77127	5.77944	5.07878	4.73591	5.47849	5.03733	4.3961	4.33365	4.65478	5.72464	3.80575
PDLIM4	5.58532	5.90223	5.90489	5.88618	6.14215	6.68839	7.65029	7.22296	6.27345	6.387	5.80324	6.04851	6.076	7.20659	6.26737	4.79805
PDLIM5	5.28385	5.67141	5.97916	5.66258	5.42251	5.62183	5.21961	5.58076	5.46967	5.46371	5.6972	5.20552	5.35681	5.34065	5.38104	5.67968
PDLIM7	3.7297	3.8778	4.36649	3.48161	3.15571	3.31255	3.29806	3.77425	4.9443	4.2994	3.87456	3.59691	4.31071	3.39031	3.87671	3.55705
PDP1	8.00205	8.01647	8.71228	8.48955	7.68633	8.24731	7.25283	7.07623	8.42675	7.98356	8.33525	7.9514	7.99608	7.09448	7.72378	6.90821
PDP2	6.92317	6.71062	7.12352	7.54029	6.8106	7.05651	7.3965	5.71612	6.93763	6.5805	6.1916	6.41511	6.84907	7.11341	6.6495	6.63624
PDPK1	2.91334	3.86925	4.00732	4.65451	5.0579	3.32048	2.47678	2.49961	2.18568	4.17211	4.20991	4.24374	4.75137	3.71992	3.15051	2.26153
PDPN	5.76416	6.48629	6.50306	4.89182	6.14853	5.8345	5.18206	5.60742	5.92763	5.53761	6.76605	5.46952	5.61166	5.51836	6.47236	5.96423
PDPR	6.58226	6.79607	6.33317	7.26915	6.35534	7.07841	7.14133	6.72148	6.93789	7.16353	6.72093	6.71256	7.18221	6.98593	7.21997	6.4954
PDRG1	8.16348	8.81783	8.14058	8.13794	8.38746	7.67964	8.42736	8.72582	7.85153	8.4612	8.38085	8.42344	8.09094	8.97654	8.06728	7.72221
PDS5A	6.59326	6.77172	6.79883	6.55737	8.15497	6.77786	7.08796	7.0242	7.18639	7.11036	7.39988	6.2807	7.3525	7.30766	7.44642	7.45266
PDS5B	6.26907	5.99679	5.7242	5.9868	5.80863	6.38675	6.29187	5.6866	5.63647	5.73993	5.80613	5.06859	5.97254	5.39292	6.11714	5.57982
PDSS1	5.96696	6.62269	6.57488	6.84429	6.96963	6.23645	7.31201	6.53152	5.96837	6.50922	6.62814	6.03605	7.25642	6.62723	7.00437	7.06144
PDSS2	8.05323	7.97435	8.11503	8.0511	7.51829	7.98438	8.52577	8.78708	8.32463	8.17853	8.02477	7.56811	7.40457	7.39669	8.04476	7.4726
PDX1	4.2226	4.34547	5.30315	3.88943	4.01247	5.21203	4.61264	3.51239	4.61007	4.31456	4.66687	4.80177	5.0241	3.48604	4.43223	4.11284
PDXDC1	4.87368	4.3919	4.75754	4.12751	4.15112	4.80155	4.70927	4.84284	4.57259	4.25176	4.56336	5.10776	4.81157	5.08873	5.2261	4.87555
PDXK	7.54861	7.55068	7.77708	7.73284	7.25599	7.36343	7.93087	7.81085	8.11669	7.75767	7.80726	8.29063	7.27843	7.75696	7.65092	7.36252
PDYN	3.04535	2.89801	2.79272	2.93958	2.55772	3.41719	2.96225	3.55509	3.31034	3.13394	2.75175	2.31832	3.0877	2.31516	2.59102	3.1481
PDZD11	8.97832	8.93264	8.44095	9.04381	8.76383	10.0756	8.73084	9.05769	9.37098	9.01191	9.39209	9.14549	9.68239	9.29696	9.16131	8.77753
PDZD2	5.58467	5.25598	4.46375	4.62043	4.95192	4.96187	5.98336	5.28856	4.40913	4.96907	4.54463	4.52838	4.02856	5.01256	4.81597	4.97252
PDZD3	4.05738	4.36436	3.55752	4.81967	4.50648	3.58961	4.46324	4.67994	4.47148	4.59373	3.85278	4.65792	4.8471	4.21957	3.81207	4.54221
PDZD4	5.13232	4.36917	4.12524	3.44117	2.79083	6.04396	3.47278	3.32868	4.21488	3.83015	2.99709	4.39323	3.38837	3.50494	3.50176	4.10052
PDZD7	4.57039	2.31976	6.66023	3.8167	5.38965	4.03667	3.90378	4.84732	5.75916	6.26737	2.91487	5.22709	5.10281	4.98856	5.35492	4.50598
PDZD8	6.3762	6.82575	6.3843	6.04708	6.42644	5.97859	6.2383	6.21882	6.96543	6.54028	6.32129	6.10217	5.54541	6.74157	6.50683	6.50796
PDZD9	3.89772	4.76112	3.70804	5.563	4.31232	5.27542	5.54511	5.92197	3.91489	3.62321	6.16676	4.73947	4.6779	5.43004	5.30388	3.24808
PDZK1	3.17857	3.59749	2.39414	2.58828	4.14049	4.96837	4.52231	3.6374	2.22165	3.34275	5.36903	1.44837	2.96494	2.83991	3.00483	3.10689
PDZK1IP	6.96941	8.0875	7.3332	6.64741	4.84753	4.35335	5.6046	5.3574	6.44275	9.42229	8.56106	7.05741	7.19814	5.13901	6.66446	7.46257
PDZRN3	5.03203	6.10048	5.36859	6.2553	5.8125	6.19263	6.34863	6.2833	6.47632	7.18124	5.99579	5.97729	5.08194	5.90179	5.84269	5.74655
PDZRN3·	4.14888	3.98362	4.27544	4.41415	4.36498	4.21021	4.20319	5.16539	4.01633	5.78287	4.82998	4.4613	4.4107	3.86642	4.51765	4.56661

PDZRN4	3.50034	4.47924	4.84558	4.63389	5.14439	4.61747	5.2173	4.65546	4.63412	4.13002	4.14261	4.80362	4.24814	7.05075	5.74894	7.76286
PEA15	6.6689	7.4807	8.03074	7.04587	7.49082	7.63682	7.92556	7.99096	8.27429	7.19814	7.74479	7.62815	7.78353	8.16905	7.54204	7.35274
PEAK1	7.1549	6.6892	7.05317	7.20184	7.23475	6.95167	5.69433	7.01477	6.91101	6.93602	7.03517	7.5148	6.61056	6.25405	7.65557	7.10875
PEAR1	5.88381	3.78714	7.11556	6.79018	5.51788	7.15211	5.45432	6.82267	6.49105	7.26605	7.09387	6.94269	3.9262	4.92151	5.47823	4.17756
PEBP1	10.2856	9.99282	9.74393	10.3113	9.27986	9.4567	10.1887	10.1952	8.87558	10.1781	9.2593	9.51229	9.82707	10.8621	9.90115	9.82707
PEBP4	4.79439	3.81549	5.1255	5.01314	3.45301	4.48115	4.9822	4.87944	5.08232	5.79724	5.46456	5.31546	5.91158	4.13014	5.26934	5.35438
PECAM1	6.26477	7.61764	8.39965	7.3395	6.9154	7.17711	6.59764	8.07239	7.42138	7.29852	6.79006	7.2857	5.85398	7.35953	6.76269	6.10692
PECR	7.22828	5.93703	5.65647	6.9731	6.24364	5.69771	5.96325	6.02828	6.71127	5.63419	6.83848	5.91026	5.50474	5.85251	5.88098	7.05684
PEF1	8.21006	7.80837	7.56501	8.10916	8.57847	7.77632	8.66768	8.34589	7.57707	7.21051	7.78225	7.70195	8.84133	9.15028	9.04465	8.17272
PEG10	3.72936	3.37247	2.89801	4.45019	3.70947	2.05222	4.66673	3.97756	4.45689	4.84059	4.22158	4.12004	3.96304	4.46303	3.03952	2.6271
PEG3	5.31915	5.70701	6.10931	5.56581	6.22456	5.76297	5.32709	6.05504	4.85808	7.79893	5.64977	5.56612	5.47218	5.05638	5.98416	5.24005
PEG3-AS	4.02962	4.5803	3.82769	3.02476	3.38334	3.55971	2.39011	5.41101	3.48123	4.99475	3.57447	1.91466	3.78698	4.75817	4.19275	3.0606
PELI1	7.30333	6.43998	6.87096	7.75523	8.23349	7.60753	9.18833	7.42295	6.94586	7.62838	7.49429	5.78483	7.689	7.9407	8.20175	8.63776
PELI2	3.27496	3.82991	1.70065	4.72556	4.83068	3.85851	3.83233	3.71116	4.85334	4.96263	5.06097	4.54874	3.93793	3.4974	3.72108	2.50625
PELI3	6.85564	4.98989	5.91306	6.35585	6.5398	8.56669	8.01756	5.14009	8.00791	8.16124	6.14034	7.78315	7.03226	5.64502	7.53729	5.45816
PELO	4.73561	5.67221	5.17075	5.24588	5.43394	5.06692	5.36481	6.05602	6.07229	5.47646	5.04615	5.89223	4.69036	5.19791	5.0543	4.26138
PELP1	7.26665	7.4773	7.19439	7.81749	7.13233	7.40347	6.98197	7.84398	7.90154	7.33171	6.91674	7.33981	6.84674	6.65253	7.42275	6.39033
PEMT	7.70948	7.76404	6.92271	7.26448	6.68972	7.52678	6.77786	5.79806	6.15224	8.43133	7.55846	8.56298	8.0775	8.42037	7.20295	7.30165
PENK	5.19152	5.08194	5.16681	5.24225	4.70674	4.91109	6.53487	5.04856	4.18485	5.17437	4.59004	4.80793	5.04076	5.20466	5.85581	4.71089
PEPD	6.95042	7.62329	7.6628	8.06908	7.5588	8.068	7.44529	7.64096	7.54102	7.7642	7.88862	8.37975	7.86571	7.90327	7.62715	7.52301
PER2	5.7256	5.39911	5.22179	5.6972	5.29011	5.15808	6.1916	5.51476	5.44477	6.32617	5.59746	5.20269	5.49373	5.27276	5.33258	5.129
PER3	5.40272	4.96879	4.7581	4.96737	4.58508	4.28503	4.57155	5.60785	4.0831	4.10752	4.28431	4.35917	5.58748	5.5459	5.06219	5.16276
PER4	3.81013	3.93534	3.71875	3.84226	4.19192	4.21387	3.99337	3.94359	4.34027	3.9739	4.21576	4.24573	4.64145	3.97783	3.93765	3.82524
PERM1	2.89649	2.81246	2.44429	2.06899	3.27783	2.97137	3.44209	2.70064	3.5404	3.20323	2.48014	2.36593	3.14193	3.07586	3.13607	1.70353
PERP	7.18124	7.62364	7.06405	7.40969	7.76523	7.04151	8.58859	6.50632	7.2316	7.2235	6.94586	6.32323	7.23263	7.60892	7.69134	7.21997
PES1	4.86169	4.57597	4.88962	4.75104	5.63605	4.93219	5.22324	5.0822	4.46366	5.17157	5.06834	4.67215	5.22972	5.03802	4.2019	4.69384
PET100	9.8403	10.0342	9.20565	9.7968	9.57587	9.73529	10.5826	9.81139	9.55838	9.73221	9.80853	10.5573	10.2145	9.4807	9.52327	10.5753
PET112	6.98274	6.61588	7.01686	6.49643	7.17584	6.58522	6.80808	6.97033	7.04375	7.16078	6.71717	6.84871	7.1777	7.23174	7.28998	7.21934
PET117	6.60033	5.68579	5.63698	6.85101	5.8727	5.67382	6.62374	5.86123	5.467	7.08988	6.92227	6.05975	6.10345	5.84375	5.58559	6.03432
PEX1	6.56975	6.17476	6.29494	7.00157	7.17328	6.15065	6.80312	6.4501	5.97118	6.62489	6.46864	6.23676	6.68352	6.92317	7.64589	7.29287
PEX10	6.41151	6.52664	6.22361	6.19919	5.71246	5.91306	5.88349	5.73217	5.96559	6.23179	6.07137	6.36201	6.57677	6.29386	5.72084	6.32977
PEX11A	5.26541	4.79781	4.68857	5.10681	4.94105	4.98389	5.41662	4.8246	5.34118	5.01713	4.76537	4.56255	4.45678	4.61686	4.9251	4.92582
PEX11B	8.8053	8.98153	8.71563	8.96445	8.9826	8.77241	8.45462	8.27303	9.23779	9.41817	8.88814	9.11792	8.64417	8.45848	9.05221	9.03052
PEX11G	8.66033	7.51279	6.85143	6.83019	6.18515	7.39805	4.82631	6.32223	7.07159	7.79439	6.73391	7.47602	7.36188	6.64834	6.04054	6.07197
PEX12	8.28095	7.76404	8.28007	7.96786	7.98209	7.47398	7.96848	8.48984	7.53993	8.09997	7.76128	8.35733	7.90525	8.02925	8.24933	7.94326

PEX13	5.88216	5.4471	5.88266	5.94675	6.57691	6.03112	6.64239	5.44417	5.97073	5.80159	6.47473	5.10451	6.4906	6.28381	5.72213	6.58787
PEX14	6.23325	5.8578	5.43934	6.59422	5.88181	5.44477	6.78596	6.23676	5.86057	5.95336	5.65893	6.09307	6.41484	6.21089	6.10848	6.24176
PEX16	6.91735	6.97964	6.26403	6.53353	5.93022	6.69613	5.85696	5.76565	6.12725	6.59734	6.8277	7.7158	6.27726	6.87531	5.60353	6.28793
PEX19	4.72646	6.37709	5.32867	6.2836	7.42256	6.11559	6.41963	5.86456	7.38189	6.69517	6.37709	4.94021	6.00927	6.18435	6.01722	6.30433
PEX2	6.0071	6.76518	5.91749	6.35836	6.28712	5.55094	6.0939	5.38643	5.81272	5.83661	6.01309	5.96974	6.27307	6.26444	5.43842	6.07655
PEX26	5.37412	5.33026	5.96035	5.4639	4.8375	5.50719	5.38983	6.27821	5.15599	6.63953	6.00566	5.3608	6.12395	5.4645	5.53995	5.50389
PEX3	6.36706	6.18525	6.32921	6.39528	6.80475	6.42602	7.29733	6.20756	6.64159	6.05262	6.62321	5.93039	6.63216	6.06845	6.46097	6.19338
PEX5	7.37425	7.371	7.3965	7.32554	7.67899	7.48683	7.25982	8.13446	7.13293	7.60227	7.02837	7.51854	7.30969	7.62153	7.71915	7.54991
PEX5L	2.56799	3.32841	1.90648	2.46835	3.15288	2.13579	2.68409	2.5498	2.6917	2.65551	2.95914	3.42172	4.18123	2.63869	2.17298	2.68987
PEX6	5.74642	5.80335	6.26865	6.88246	5.77833	5.15526	4.74224	6.23462	6.53507	6.70872	6.10828	6.11761	6.50257	6.86762	6.51684	7.00009
PEX7	7.87018	8.11103	7.27438	8.00713	7.94524	7.49325	7.73468	7.02837	7.56925	7.98651	7.45122	7.46989	7.92119	7.47174	7.97399	7.51081
PF4	3.44273	3.1532	3.89015	2.93958	3.50802	3.79752	2.27576	4.16157	4.24836	3.8429	2.73426	3.76552	3.8683	2.97219	3.80883	3.37025
PF4V1	4.6416	5.17489	5.44194	5.53655	3.98376	4.24599	4.70432	4.00856	4.42376	5.13192	4.89326	3.9549	4.34627	1.27177	3.89749	3.96332
PFAS	6.46837	6.53383	5.9649	6.35401	6.61027	7.29617	6.8567	7.11335	7.16265	6.61785	7.25138	6.9368	7.06373	6.70411	6.86317	6.15937
PFDN1	7.54269	8.13632	7.67251	8.28199	8.14826	7.85319	7.61612	7.67813	7.74342	7.62715	8.12286	7.38968	8.39691	8.85546	8.30008	8.3979
PFDN2	9.17857	9.32763	9.71584	9.8453	8.91327	9.71121	9.55947	9.67513	9.49953	9.03131	9.80678	10.2886	9.82345	9.6967	9.51986	10.0123
PFDN4	6.45561	6.73451	6.51684	6.4679	7.47555	7.09223	8.00769	7.80586	6.56543	5.97427	7.38957	6.91931	7.42441	7.21477	7.21296	7.40302
PFDN5	10.8485	10.9586	10.0051	11.1357	10.9586	10.9849	11.547	10.9164	10.8054	11.0235	10.1334	9.75247	11.4604	11.5301	10.7357	10.8255
PFKFB1	4.91332	3.73667	4.30729	4.43455	4.60842	3.88932	4.22534	5.4251	4.64035	3.76249	4.52625	4.41781	5.5189	4.28059	4.22771	4.24993
PFKFB2	6.06581	5.6452	6.09202	5.01734	5.90267	5.60443	5.78611	5.662	5.66075	6.17961	5.89665	5.35512	5.66671	5.50191	5.87573	5.92433
PFKFB3	8.92427	9.73529	9.60515	9.53631	9.61231	9.66572	11.2822	10.3603	9.73221	9.21438	11.063	9.16731	9.50261	10.2886	10.2039	9.16038
PFKFB4	2.82062	3.68942	4.93071	3.55815	5.07404	4.42755	4.64455	4.63475	4.84817	4.05064	5.56061	3.47527	6.8119	5.1717	5.28856	4.78238
PFKL	6.99097	7.03311	7.24216	6.46966	6.84972	7.29957	7.53449	7.48154	7.42749	7.31824	7.39378	8.08258	7.99805	6.87868	7.51214	6.8266
PFKM	8.60896	8.2105	8.42362	8.14238	8.50784	8.78314	9.11537	7.96312	8.48507	8.92819	8.03524	9.23091	9.05644	9.6978	9.40867	9.20992
PFKP	7.24756	6.43057	7.04198	6.71592	7.13144	6.58787	7.15926	7.31491	7.35652	5.76403	7.00686	6.86587	6.78728	7.38059	7.5649	7.76799
PFN1	7.62972	8.90713	8.02325	8.13742	8.89445	7.24674	6.28657	6.25805	8.55764	6.84064	8.00769	7.15452	7.04666	7.69946	7.76748	8.13081
PFN2	10.2039	9.53523	8.74609	9.81254	8.5744	9.11184	9.80853	8.39139	8.59662	9.93918	8.75854	7.96389	9.29927	8.64231	9.22173	9.02909
PFN4	4.2727	4.18123	2.96145	5.10451	4.13729	3.19417	3.43977	3.97242	4.80874	4.19961	3.49378	4.37397	2.69925	3.76552	3.43881	4.29221
PGAM1	10.9989	11.6343	11.5301	11.0825	11.4058	11.5105	11.4272	11.8738	11.8	11.5105	11.6889	11.6889	11.4058	11.6219	11.741	11.3587
PGAM2	4.58086	3.73984	3.04356	6.53163	3.22566	3.72561	5.14257	3.43351	4.26581	3.31009	3.63292	2.04143	2.59488	3.68528	3.01721	3.47381
PGAM5	4.07683	4.53252	4.29854	3.77845	4.25853	4.27526	3.91161	4.27343	4.50847	4.92491	4.94408	4.50274	4.7822	5.17658	4.27343	5.12383
PGAP1	6.28914	5.17323	5.8311	5.72647	7.74945	7.32554	7.56925	6.48887	5.92068	5.51248	5.58686	6.08497	6.47632	6.77096	8.08164	7.06726
PGAP2	7.36632	7.56186	6.02838	6.65458	8.10994	6.6672	7.40067	6.10632	8.23743	7.97484	7.21883	6.24154	8.38627	7.51396	7.22146	7.96108
PGAP3	7.77654	7.7028	7.38189	7.31201	7.03578	6.71732	7.17305	6.34341	7.2916	7.98688	7.11341	7.82579	6.96042	7.37469	6.98738	7.4124
PGBD1	5.07215	5.13976	3.78517	5.96025	6.64301	5.85341	5.68293	6.15898	5.90229	5.46729	5.55777	5.78895	5.9848	5.42385	5.70636	4.84049

PGBD2	6.62237	6.80762	6.83474	6.83673	6.38732	6.50434	6.56051	6.94672	6.82513	6.33679	6.23856	6.6174	6.99984	6.61185	6.80517	6.5318
PGBD4	5.78387	5.13976	5.48407	5.89763	6.54459	6.6694	5.0499	4.45148	4.9172	6.14608	5.86142	6.04791	6.34875	6.11232	5.588	6.22158
PGBD5	3.59987	3.28675	3.19256	4.80453	5.55642	2.31052	6.1223	5.05573	5.71298	3.36001	3.49378	4.70518	3.50584	4.37922	5.89999	3.85415
PGC	5.67487	4.77693	4.62508	4.83452	4.83857	5.2546	4.66673	4.45498	5.35438	4.48281	5.81884	5.35251	5.41468	4.166	5.55652	4.8391
PGD	5.67382	5.35761	5.94857	5.55827	5.50829	5.16933	5.8846	5.05142	5.76416	5.27381	5.76752	5.52908	4.82616	5.32348	5.155	5.5459
PGF	7.64031	7.5369	7.78272	7.45236	6.84318	8.00083	8.48009	7.46391	7.2324	8.09031	7.54029	7.6481	6.4479	7.55386	7.12034	6.86841
PGGT1B	5.20104	6.10779	6.52709	6.73729	5.55676	6.6643	6.72663	5.9567	5.98072	5.33204	6.55313	5.12193	5.27116	5.21321	5.83063	6.13518
PGK1	6.84334	6.8912	7.08284	6.94457	7.45059	6.68395	7.00489	6.4803	7.34333	6.92074	7.15323	7.04499	6.97525	7.13557	7.20429	7.42501
PGK2	4.25043	4.56226	4.31281	4.43678	2.1445	5.13024	2.39011	3.08616	2.03262	2.88148	2.45719	4.04754	4.65932	3.21424	2.04035	4.70463
PGLS	7.57572	7.36657	6.98908	7.37708	6.87765	7.08864	6.84787	6.80432	7.50184	7.56639	7.24537	8.16199	8.10844	7.154	7.07263	7.52956
PGLYRP	3.75698	4.04274	5.00742	4.42997	3.32431	4.02752	3.50564	4.39128	3.87677	4.38311	3.77904	4.20947	4.4772	4.29638	2.39175	4.27608
PGLYRP	6.03937	6.45334	6.34947	6.90821	6.49681	5.73486	5.10831	5.73575	5.25322	5.92053	4.69677	6.51043	6.19415	6.70411	5.12503	5.23546
PGLYRP	4.9403	2.89801	3.72265	3.73945	3.96564	3.52398	3.86818	2.93245	2.67969	2.47565	2.90046	3.22488	3.9262	3.66246	3.7365	5.5419
PGLYRP	6.64508	6.17538	5.03262	4.69119	6.84273	5.77708	7.19145	7.69565	6.95245	6.03361	5.81383	7.26026	7.5397	5.39607	6.97459	6.77096
PGM1	9.7947	9.85111	9.66114	9.55087	8.74164	8.93303	10.0385	9.35829	8.67512	10.7134	8.94713	9.55838	9.43176	9.16397	9.5671	8.40158
PGM2	8.26602	8.72673	8.22402	8.26668	8.98153	8.48257	9.67089	9.09601	8.64669	7.61809	8.85441	8.10225	8.98666	9.31971	9.0488	9.25706
PGM2L1	7.63792	6.86104	7.02068	7.31075	6.41991	7.44518	6.88372	5.89353	7.16799	6.84397	5.99084	6.59465	6.03743	6.66869	6.48263	6.62914
PGM3	6.32531	5.86	5.84898	6.12974	6.76871	5.85483	6.11248	6.844	5.96484	7.1351	5.66269	5.29383	5.26966	5.80526	5.67691	5.49899
PGM5	3.99352	3.66515	4.02325	4.10052	3.3742	4.00224	3.36807	3.4642	3.02948	3.67852	3.912	3.53545	3.41422	3.08599	3.47243	3.85641
PGM5-A	3.68019	3.60842	3.59844	6.28914	3.41088	3.50802	3.47278	3.37974	3.36695	4.00874	3.74792	3.74466	3.85528	3.6144	2.95994	3.91544
PGP	4.65754	4.93197	4.73058	4.4442	4.91768	4.99475	4.02325	4.66867	5.13292	4.92034	5.68425	6.22032	5.84468	5.79497	5.01962	5.14009
PGPEP1	5.42456	5.82766	6.34446	6.07188	5.3347	6.08422	4.73591	5.89071	5.62739	6.28624	5.67691	5.9804	5.08302	5.65765	5.36761	4.874
PGR	4.15902	4.1225	3.72694	4.41781	4.41679	4.47552	4.76471	4.35156	3.81937	3.96598	3.27248	4.41344	4.7818	4.12115	4.18699	4.58543
PGRMC1	7.29816	6.89488	7.67964	7.08169	8.36393	7.08431	7.32463	6.17538	8.36016	7.60493	8.54172	8.60042	7.83154	7.94735	7.4066	7.29733
PGRMC2	8.30207	8.16124	8.46025	8.2533	8.8053	8.54327	8.65141	8.58812	8.58812	8.99832	7.79159	8.55896	8.18026	8.19509	8.73001	9.12606
PGS1	5.83196	6.21535	6.18661	6.22269	5.97406	6.32977	6.67388	6.11067	5.71911	5.85373	5.99416	5.92983	6.49724	6.31756	5.95178	5.7789
PHACTR	4.24814	5.52281	5.00186	5.77681	4.64455	4.77905	3.65227	4.59206	4.83353	4.33027	4.31371	4.24599	4.22052	3.38764	4.62298	3.67897
PHACTR	5.75961	6.73482	6.31164	6.51148	5.52864	6.27249	5.64797	5.24253	6.24844	6.14165	6.05243	5.93259	5.96305	6.3469	6.26604	5.85581
PHACTR	6.50525	5.83661	5.35576	2.83422	5.59723	5.5118	6.94509	5.59425	4.51187	3.44491	5.55165	3.38388	3.69964	7.30969	5.71461	5.3575
PHACTR	7.4619	7.03543	6.23107	7.16613	7.27538	7.14746	6.64708	6.09404	6.09786	6.96157	6.86317	6.31984	7.0461	7.8738	7.16246	5.85047
PHAX	7.36913	7.4267	7.59235	7.43963	7.06124	7.53498	8.08445	7.38024	7.76072	7.35385	7.36696	7.01098	7.56344	7.38957	6.97145	7.64325
PHB	8.86357	8.78506	8.47942	8.85546	8.21557	8.5017	8.60042	8.21644	8.25283	9.27986	8.74249	9.08827	8.89896	9.29297	8.42856	8.52724
PHB2	9.59898	10.3157	9.12067	9.70802	10.8054	9.36239	8.92094	9.94645	9.80267	9.67513	9.64026	10.494	9.98579	11.0154	10.3563	9.90542
PHC1	8.08135	7.5578	7.31824	7.4801	8.45696	7.4124	7.03819	7.52876	7.44642	7.86345	7.02998	7.48719	6.3114	7.15506	7.70241	6.18979
PHC2	6.07137	6.90375	6.3538	6.16685	6.30759	7.06635	6.49401	6.38034	5.68688	6.05798	5.88349	6.0189	6.63446	7.20717	6.29363	6.09131

PHC3	6.21558	6.2564	5.80439	6.06308	6.23233	5.68304	6.04567	6.82752	6.12507	5.7874	6.10097	5.8259	6.30604	5.51506	5.77781	6.07264
PHEX	6.0044	6.29956	6.1546	6.88337	6.11122	6.13206	5.37003	6.23366	5.53294	6.07064	5.80184	5.69455	5.81525	4.73152	6.30909	5.49777
PHEX-AS	4.9403	6.73138	5.34576	6.235	4.63576	5.78654	5.6242	5.86617	6.21797	1.49394	6.26498	6.17585	6.13014	6.27509	6.54712	6.36638
PHF1	6.73545	6.43347	6.35153	7.59324	6.53281	7.6187	6.55313	7.35068	7.57059	6.80087	5.68558	7.57964	6.75635	6.65458	6.7229	6.06636
PHF10	7.31268	7.62599	7.7028	7.66179	7.76876	7.60305	7.86658	8.15216	7.81833	7.56344	7.5276	7.03353	7.49457	8.21756	7.75653	7.49549
PHF11	8.53406	8.14551	8.64938	8.48507	6.66994	8.64669	8.92258	8.58199	8.66913	8.05758	7.5383	7.70144	8.2149	8.06823	7.97147	8.11826
PHF12	4.97832	3.85542	5.21096	4.14676	4.12809	5.93318	4.36875	5.36112	5.69581	4.81317	4.37497	3.7497	5.33633	4.43347	5.23193	4.30155
PHF13	6.78183	6.89708	6.58391	6.57702	7.05301	7.00766	7.07482	4.39881	7.23912	7.33171	7.48502	6.99304	7.67349	7.33171	8.05692	6.72954
PHF14	6.44039	6.55289	6.72743	6.73309	8.48742	7.2774	7.2034	7.29262	6.67496	6.89314	6.94792	6.42921	7.30705	7.14589	7.47622	8.16905
PHF19	5.35382	7.48299	6.62536	6.59447	7.15669	7.26733	6.10997	7.85319	7.36164	5.31789	8.04348	8.24933	7.73337	6.85972	7.24146	7.12681
PHF2	6.57801	6.0709	6.19068	6.70112	6.39462	6.24413	5.0536	5.72971	5.73664	6.48497	5.47147	6.59764	6.4838	6.97016	6.34875	6.17098
PHF20	6.92002	7.22488	7.4234	7.52638	7.2634	7.34643	6.76951	7.19867	6.94842	7.0023	6.52859	7.02351	7.02396	7.06066	7.2181	6.77024
PHF20L1	6.26444	6.0966	6.36294	5.67605	6.56837	6.53371	6.78398	5.98199	6.67543	6.14973	6.18875	5.87942	5.57367	6.92054	6.49041	6.55768
PHF21A	5.88049	6.01282	5.78989	5.29344	6.18661	5.77919	6.31181	6.51642	6.37431	6.42113	6.2675	6.33967	5.93318	6.31836	6.21942	5.62571
PHF21B	4.95919	3.38168	4.30268	3.76552	4.75823	3.8399	5.36964	5.1957	3.68581	4.60058	4.04773	3.83495	3.41223	4.1487	4.59925	5.90377
PHF23	7.07111	7.7485	7.56225	7.43906	7.50324	7.99984	7.34967	7.25015	7.77298	7.60433	7.67171	7.7389	7.74792	7.8012	7.27323	7.41505
PHF2P1	5.65625	4.70756	5.36067	4.86331	5.37675	5.28652	4.99448	5.64861	4.32124	5.1154	5.12489	4.47148	3.40212	5.1836	4.57172	5.44287
PHF3	7.02669	6.59252	7.25476	7.34486	7.05131	6.99189	6.59148	5.9966	6.9948	6.67664	6.52505	7.01893	5.48108	6.78314	6.58818	7.1553
PHF5A	8.42474	8.88182	8.31253	7.99254	8.03646	8.76878	8.78405	8.00713	8.55896	8.17657	8.96233	8.88182	9.23091	8.71012	8.05165	8.51297
PHF6	5.75373	7.51379	6.86618	5.80324	6.82106	6.92124	7.37305	6.39231	7.4238	6.77286	6.65329	6.4479	7.00326	7.33702	6.3794	7.22255
PHF7	5.73303	5.62533	5.86149	5.15888	5.30604	5.16547	5.36392	5.41438	5.32654	4.77579	5.61979	5.95632	4.9576	5.60353	5.61919	5.31618
PHF8	4.21911	4.73468	5.11031	5.11141	4.83036	5.06404	6.06026	5.62901	5.39993	5.43578	5.65565	5.16241	3.98617	4.91361	4.709	5.59929
PHGDH	7.77017	6.74325	6.88215	6.59688	7.54382	6.75482	9.10516	6.98113	8.23492	8.8897	6.58972	8.23238	8.42037	9.65415	7.57009	6.02794
PHGR1	4.34203	3.95879	4.3596	2.75974	4.61145	2.63321	3.68625	3.49069	2.53538	3.37812	3.94748	5.32774	3.34323	4.76631	4.55074	4.86201
PHIP	5.40179	5.09969	6.13554	5.11873	6.68077	5.23301	5.74699	5.71644	5.79263	6.02445	5.51081	4.72787	6.31081	5.95982	6.21864	6.25108
PHKA1	4.78378	4.9251	4.57635	5.58003	6.63216	5.44648	6.65093	5.54973	5.83738	6.57598	5.5809	6.98246	4.47102	6.24118	6.94344	5.82384
PHKA2	6.05731	6.2845	6.17788	5.5426	6.17878	6.15777	6.28271	6.10744	5.96858	6.40117	5.70513	5.82908	5.71755	6.13152	6.36379	6.07029
PHKB	7.30308	6.53093	7.23499	6.7013	6.62027	6.77805	6.86735	7.29287	6.91606	7.51379	6.56543	6.40673	6.86932	6.83799	6.21089	7.27718
PHKG1	5.41338	6.16815	6.39825	5.74329	4.46802	5.91357	5.81758	6.12766	5.30223	6.94762	5.38331	5.62065	5.13985	5.03349	4.56226	6.62705
PHKG2	3.171	3.9222	3.55737	2.46771	3.13257	3.45501	2.9174	3.36719	4.16003	3.55029	3.56319	4.35335	3.92882	3.3566	3.48275	3.49203
PHLDA1	6.36294	6.49916	6.77172	5.796	6.67094	8.17211	6.45608	6.59396	6.31802	8.15305	7.05445	6.20531	6.55737	6.39586	7.1175	6.10396
PHLDA2	5.78159	6.09592	6.1223	6.04916	5.09234	5.30736	5.63647	5.41777	6.22411	5.93703	6.76679	5.7854	6.10612	6.55085	5.13261	5.82134
PHLDA3	4.84143	5.54464	5.71276	5.43104	5.95171	4.17372	6.54403	5.90655	6.60078	6.55038	6.40041	6.84527	6.32792	7.15578	5.24336	6.01401
PHLDB1	3.93705	3.38769	3.56906	3.87736	3.24511	3.6993	4.22754	3.58474	3.22752	3.37812	3.41787	4.29721	3.49323	4.20074	4.14453	4.88285
PHLDB2	5.43712	4.61091	5.24763	4.68519	5.2853	5.96919	4.36795	5.18617	4.51613	5.13421	5.47252	4.5817	5.10138	5.03131	5.12406	4.81772

PHLDB3	3.91161	4.45842	3.63872	3.77935	3.92393	4.05738	3.87456	2.71733	3.83857	3.21266	3.87043	3.89091	4.50253	3.76677	4.22224	3.86942
PHLPP1	4.07485	3.6899	3.57431	3.68625	3.74573	4.05033	4.07634	3.6244	4.02752	4.21006	3.17599	3.90468	5.22581	3.88029	2.8872	4.93774
PHLPP2	6.27509	5.81758	5.9817	6.39865	6.37128	6.42535	6.26737	6.13229	6.52236	6.15753	6.46401	6.17219	6.36458	6.23594	5.67516	6.71374
PHOSPH	2.55807	2.59102	1.85463	1.26539	1.77016	1.73976	3.57168	1.44837	1.98342	1.35594	1.85273	1.77016	2.83935	2.88516	2.95994	4.68565
PHOSPH	7.28046	6.97727	6.94374	7.11288	7.49571	6.02598	5.61494	6.42187	6.13377	6.97003	6.87642	6.60482	7.49996	7.26997	7.15863	7.71443
PHOX2A	5.28671	5.86534	5.0199	5.18214	5.90243	5.57868	5.55964	6.07547	5.11766	5.65267	5.0929	5.98895	6.36341	4.10225	5.98671	6.42617
PHOX2B	6.41859	6.02361	5.91869	6.67737	6.41963	4.12592	6.55426	5.60047	6.15629	5.43853	5.88448	6.70664	6.82178	5.73779	3.9328	6.02667
PHPT1	9.03868	9.74747	9.16131	9.08426	8.64113	9.1073	8.48257	6.51269	8.98902	9.38768	8.67455	10.4519	9.71027	9.20282	7.46174	9.43176
PHRF1	6.58787	6.34004	6.10669	6.02858	5.84122	5.98072	7.01498	5.36574	5.11379	5.07841	6.00667	6.3343	4.60388	6.38016	6.41319	6.45026
PHTF1	6.6142	6.3277	6.28086	6.14509	6.39736	5.94594	5.69841	5.56061	6.10571	5.09073	6.52193	6.17984	6.29156	6.14368	6.22135	6.15282
PHTF2	6.04297	6.40759	5.88216	6.05999	6.43834	6.1826	5.43984	6.39707	6.00481	5.98617	6.12184	6.2422	6.49041	5.80173	6.85993	6.29754
PHYH	9.26427	8.62967	8.56298	8.76971	8.14826	9.05769	8.35355	8.39821	8.52724	9.7543	8.61099	8.67187	8.48429	7.55989	8.58859	8.39318
PHYHD1	7.46703	6.88705	5.99339	6.84156	5.50313	6.04396	4.95143	5.69472	4.2251	6.815	5.88087	6.53641	6.04563	6.59011	5.72572	4.95783
PHYHIP	4.56185	3.06378	2.79272	2.88071	3.56794	2.42212	3.98737	3.60236	3.06765	3.46275	3.5826	3.82629	3.43133	3.75913	3.4529	3.91544
PHYHIPI	6.2273	5.2229	6.34726	5.95625	5.9728	6.31543	5.62032	7.00477	5.97794	6.51189	5.84854	5.90859	5.76339	6.32734	6.55481	6.95884
PHYKPL	6.19919	6.00298	6.84655	5.79533	5.15827	5.79284	6.31699	6.34393	6.18203	6.09404	6.18679	6.26989	5.7874	5.36859	5.92381	5.58246
PI15	6.10863	5.93541	6.02526	6.48629	6.04297	6.36684	5.46406	5.69638	6.09528	5.70963	5.0244	6.20209	6.09252	6.41846	6.5681	6.35836
PI16	4.62405	3.32466	4.25043	4.75966	3.03309	4.36427	4.06264	4.39881	3.5404	4.70305	4.12088	4.23244	4.55949	4.13014	3.99153	4.08624
PI3	7.78156	8.31881	7.86345	8.05838	6.77732	6.51364	7.0724	6.95968	7.32914	11.6143	9.12408	6.50024	6.22938	5.98199	7.01721	6.50119
PI4K2A	6.24943	7.0227	6.47506	6.35309	6.15065	6.50664	5.75038	6.20071	6.81244	6.60805	6.74434	6.56571	6.0728	6.55858	6.08093	6.38118
PI4KA	7.30811	7.44123	7.84645	7.77319	7.56995	8.00448	7.30095	6.64641	7.95297	7.77111	7.56278	8.13104	7.06945	7.06945	7.32622	6.72304
PI4KB	6.90375	6.87418	6.9961	6.26313	6.73182	6.14773	7.01338	6.31363	7.11782	6.68462	6.39199	6.6596	6.60555	6.82648	6.25576	6.79489
PIANP	5.65526	6.00238	5.79986	5.89295	4.75618	5.54389	5.03349	5.97023	5.05401	6.04073	5.41573	5.49443	6.02266	5.78504	5.53553	4.92686
PIAS1	7.11036	7.02701	7.85571	7.5588	7.60563	7.23779	7.97302	7.42056	7.89992	7.74479	7.28627	7.01865	7.43454	8.0026	7.71496	7.5023
PIAS2	5.58501	4.55822	5.18508	5.18903	5.34452	5.38422	5.66285	4.92195	5.70734	5.19435	5.475	5.0241	5.02124	5.34983	5.55578	5.33329
PIAS3	8.84184	8.04733	7.96656	7.82579	7.54722	8.55517	8.70969	8.02161	8.62286	8.38746	7.76924	8.10283	7.76272	7.7017	8.26067	9.1073
PIAS4	6.32129	5.56147	5.11909	5.1134	5.59792	6.39176	5.56117	5.48864	4.6673	5.99223	6.21741	5.70234	5.24458	6.02159	5.01527	5.81102
PIBF1	6.54284	5.61501	5.9649	6.53264	6.83474	7.3728	6.85454	7.36263	6.66401	6.66328	7.0195	5.21609	7.53191	7.43592	6.88191	6.96888
PICALM	5.82465	6.12073	6.1326	5.94565	6.31489	5.80526	5.91782	5.9262	5.65114	5.80567	6.35401	6.09202	5.53443	6.41685	5.79778	6.22344
PICK1	5.62708	5.55964	5.00294	5.8459	5.73055	3.72561	5.94594	5.80698	5.44119	5.03724	6.08074	6.42714	6.34438	6.04321	5.91675	4.2961
PID1	4.19827	5.26424	4.4821	4.18842	3.86261	5.19179	4.74107	4.69958	4.59647	4.75008	4.36795	4.40737	3.4402	4.52354	3.98617	4.45382
PIDD1	5.28169	4.63911	6.46638	4.00507	6.29754	6.62746	6.28755	5.41209	6.39062	6.33819	5.83989	7.34333	6.50348	6.60922	6.41451	5.13767
PIEZO1	5.68203	6.37535	6.00325	6.42302	6.12725	6.46304	6.43728	6.46676	5.94445	6.3538	6.42945	6.74597	6.07188	6.90107	6.04558	6.51364
PIEZO2	4.06784	4.63389	3.70161	4.36649	3.56191	4.25904	4.66774	4.06894	3.92728	3.37121	4.14769	4.67557	3.89706	4.18362	3.706	4.57543
PIF1	5.81608	5.48386	5.12258	5.08498	4.84284	5.48325	4.77152	3.54458	5.07913	4.41443	5.19321	5.66827	4.71358	5.04032	4.91594	4.8047

PIFO	10.7996	9.33149	4.06126	10.2084	5.60018	6.84737	5.32956	6.03368	7.59121	5.71898	2.63321	6.6608	3.10377	5.76092	4.03231	3.39583
PIGA	7.07704	7.13546	7.06551	6.49761	7.93833	7.01052	7.20465	6.86455	7.20937	7.16225	7.44915	6.18061	7.73721	7.4811	7.74219	7.04198
PIGB	7.00766	7.4919	7.56855	7.36816	7.51436	7.55633	7.419	7.84964	7.12429	7.58542	7.03173	6.63908	7.62838	7.21316	7.40556	7.3965
PIGC	7.47778	7.68253	7.392	7.60398	8.32521	7.3706	7.59906	7.05787	6.84836	8.03457	7.52127	7.89777	7.94351	7.41771	7.81773	8.12358
PIGF	8.02883	7.99407	8.34385	8.47869	8.05323	8.69402	8.25743	8.36016	8.04821	8.11184	8.38687	8.32089	8.51199	8.31053	8.20021	8.13908
PIGG	5.64247	5.81323	5.61352	5.46131	6.09307	5.79497	5.87873	5.55777	5.75547	5.33026	5.55712	5.85803	5.88266	5.5306	5.72358	5.99514
PIGH	7.1301	7.21462	6.97373	7.01223	6.96533	6.37469	5.72875	6.91137	6.85031	6.76291	6.23907	6.13377	6.58204	6.09697	6.00568	6.26933
PIGK	5.94675	6.4158	6.68807	5.83775	6.5545	6.61839	6.76772	6.27471	6.34485	6.77172	6.79415	5.89863	6.04735	5.9784	5.56538	6.31876
PIGL	5.41552	5.37698	5.34463	5.16886	5.60876	5.55145	4.85449	5.38571	5.33379	5.5118	4.96105	5.50079	5.52833	5.58111	5.10092	5.38104
PIGM	6.633	6.15753	6.61097	6.96469	6.52048	6.47083	6.06428	5.53244	6.2013	6.69747	6.41874	6.28503	6.51161	6.59885	6.23107	6.10275
PIGN	6.5885	6.30709	6.26776	5.70599	5.41177	5.35947	6.15923	6.22463	5.96577	5.74152	5.83049	6.80405	6.60204	6.1584	6.55377	6.35493
PIGO	6.29302	6.03605	6.38895	6.14992	5.96515	5.77971	5.77051	5.74468	6.96254	6.22768	6.54598	6.3778	5.68058	5.62311	6.34906	6.42694
PIGP	9.57938	9.51355	9.85394	10.4698	9.17299	9.72748	8.92195	9.22273	9.12606	9.33845	8.80651	9.50744	10.5124	9.97305	9.14165	9.66727
PIGQ	6.49499	6.4954	5.05678	6.00192	6.01459	5.6878	5.23021	5.79475	5.82053	6.02361	5.98072	6.75341	6.6594	6.36554	5.18175	6.13169
PIGR	8.22973	8.31815	8.73206	8.04821	6.50052	6.20181	6.7918	6.87531	6.96768	8.96044	6.31325	7.54686	4.99067	6.32509	5.79509	4.59267
PIGS	8.34589	8.73477	8.48329	8.62997	8.55961	8.1215	8.81989	8.50501	8.41252	8.45287	8.42298	7.63497	8.56201	7.36413	8.49751	8.36919
PIGT	8.47257	7.78682	7.00304	7.78225	7.10353	8.22973	8.31492	7.1371	8.15045	8.234	7.72862	7.82408	7.11301	8.0296	7.78156	7.43769
PIGU	8.76383	7.5565	7.22682	7.6668	7.42469	7.28761	6.98343	6.26403	6.65275	7.4773	7.76557	7.42542	7.52498	8.07912	6.75745	7.44942
PIGV	7.46566	6.69406	5.50296	7.16146	6.75319	5.86803	7.19814	6.69306	7.12234	7.66417	6.89979	6.60644	6.8278	6.99511	6.40934	7.15193
PIGW	8.18238	8.04733	7.76045	7.83611	7.4825	7.62734	8.83393	8.69402	8.04971	8.03352	8.03184	7.98889	7.63211	8.10309	8.13649	7.88441
PIGX	5.95126	5.85398	6.19241	6.11493	6.3353	6.35004	6.6015	5.76027	6.28188	5.96988	6.65971	6.46475	6.42277	6.03166	6.2422	5.87249
PIGZ	6.62048	6.36113	2.00164	6.29525	6.15168	6.51983	7.58583	6.55426	6.09093	7.23779	6.05484	6.34341	6.65704	6.09697	5.98671	5.32007
PIH1D1	9.04007	8.28608	8.38007	8.66327	8.98841	8.51853	7.86001	8.40947	8.41119	8.81813	8.86529	9.14361	8.37711	9.02178	8.5288	9.26858
PIH1D2	7.89256	6.89922	6.13206	7.49773	7.07159	6.176	5.83208	6.53424	7.33026	6.16879	5.3948	6.45915	6.26776	5.63381	6.02788	6.51179
PIH1D3	9.89971	7.98479	5.22596	8.97528	3.45301	5.62045	3.25433	4.11111	5.47909	3.41751	2.10233	4.71689	3.50584	2.37224	4.06086	3.37025
PIH2	1.4697	1.24822	2.58676	4.06652	2.12989	1.2412	4.92302	1.93768	1.60622	2.43813	1.61259	0.55223	3.31171	0.47862	2.17949	1.02564
PIK3AP1	6.21331	6.5958	7.1117	7.06749	7.25259	6.55768	6.61862	7.81833	7.33565	7.2324	7.91303	6.26814	6.6732	5.60374	6.86411	7.31863
PIK3C2A	6.1016	5.49659	6.3999	5.9848	5.01016	6.64978	6.3351	5.43189	5.89988	5.98151	5.72497	5.14398	6.05165	6.00667	6.30006	5.90923
PIK3C2B	9.47711	9.94182	9.71027	9.93674	9.37612	9.52486	9.93918	11.063	9.45311	8.92733	8.71228	9.68889	9.05769	9.22652	9.81607	8.78234
PIK3C2G	6.20362	5.03176	5.25704	5.48246	6.21853	6.16175	6.57036	5.7457	5.29255	6.21895	6.15616	6.29302	6.15765	5.7004	6.16396	5.52016
PIK3C3	5.30469	5.21762	5.25807	5.63513	5.65971	6.08539	5.66376	5.47192	5.63698	5.82465	5.09722	5.05068	5.1842	5.62444	5.54936	5.60835
PIK3CA	5.03773	4.60659	5.62225	5.25696	4.75104	5.83738	4.87936	3.73889	5.35063	4.57737	4.63956	4.47732	5.01906	4.36262	4.37359	4.64127
PIK3CB	6.84737	5.6132	6.76694	5.28829	6.34706	6.87156	6.22463	5.76224	5.96143	5.8278	5.82871	5.88542	5.56841	5.63291	5.93055	6.28402
PIK3CD	6.50241	5.7941	6.52681	7.19582	6.16574	6.26698	6.02299	7.26032	7.43254	5.53338	6.10884	6.07064	7.06996	5.95297	6.63967	6.39845
PIK3CG	4.10127	5.68495	5.42284	4.43413	4.89581	5.43842	4.25396	4.78582	6.41408	4.80292	5.64679	5.1601	5.56646	5.1755	5.26828	5.44093

PIK3IP1	7.76334	7.27645	6.95429	7.43124	7.08637	7.35544	6.81244	6.76679	7.4726	7.24701	6.51364	7.46391	6.87387	7.30921	7.48581	7.01379
PIK3R1	7.44712	6.95429	7.77079	8.1136	6.74074	7.02091	6.93537	6.35401	7.64788	8.2149	7.02532	7.22669	7.41264	7.09549	6.9079	5.82082
PIK3R2	5.88871	5.33068	4.60294	4.89233	5.77414	5.31968	5.23108	4.90419	5.67455	5.22658	5.52281	5.67243	5.84112	5.92644	5.58778	5.87483
PIK3R3	5.44733	5.62168	5.28592	4.82338	6.0856	5.91087	7.31427	6.90628	5.73881	7.16146	4.50253	5.0859	5.46528	5.65752	5.93434	5.70764
PIK3R4	3.99089	4.06814	4.38512	5.00035	4.28545	5.22324	5.32334	5.91675	5.58425	4.30457	4.03799	3.34753	4.58852	4.55059	3.69237	5.01102
PIK3R5	4.83778	5.13789	5.22324	4.78121	5.58056	4.39048	5.42436	5.54336	6.02426	5.01962	5.13649	5.45613	4.64929	4.57686	5.01102	5.08656
PIK3R6	6.21786	5.25494	6.56886	5.25003	5.67559	6.03493	5.88216	5.55549	6.44576	6.66963	6.71238	6.30064	6.17299	6.82752	6.27239	6.15096
PIKFYVI	5.69861	6.15951	6.3379	6.26959	6.38874	6.06824	6.62898	6.4978	5.69214	6.20976	5.16123	5.91964	6.29893	6.31858	7.48235	6.24118
PILRA	5.36209	5.54563	6.27523	5.56396	6.63446	6.43896	5.75747	6.22616	7.09188	5.58246	6.12115	6.2284	6.37709	6.50907	4.92917	5.76559
PIM1	7.84908	8.13908	8.43726	7.4189	7.37382	7.74136	7.36321	7.88964	8.72779	7.65419	10.1104	8.81813	7.8236	7.39599	7.73161	7.78616
PIM2	4.97697	7.5598	7.19145	6.22135	7.09238	7.21213	6.84326	8.05538	7.90651	7.36476	7.22925	7.88003	7.47214	6.82116	7.09489	6.72765
PIM3	9.76707	9.65062	9.38768	9.19751	9.49156	10.4135	10.0495	9.8758	10.5711	9.67664	9.96791	10.7178	10.2583	9.97015	9.64364	9.73065
PIN1	5.97772	4.45111	3.43133	5.87195	5.70326	5.90377	6.88337	6.01489	3.6241	3.172	5.42673	7.68457	7.16727	3.9712	4.04773	4.59445
PIN1P1	6.33746	6.34052	6.73581	6.54516	6.22592	6.28872	6.26604	6.31886	5.99792	6.28135	6.41956	6.29883	6.76807	6.26959	6.1126	6.03781
PIN4	8.33807	8.51686	8.20911	8.56997	8.39387	8.77123	9.13921	8.91149	8.44024	8.1881	8.26668	8.56669	8.8522	8.38858	8.62607	8.51015
PINK1	8.38038	8.33277	8.51199	8.05165	7.86001	8.06455	8.31293	8.55452	8.21557	8.88182	7.87079	8.62519	7.62176	8.12509	8.29592	7.67654
PINK1-A	5.03573	3.92591	4.31978	5.39736	3.70286	3.32048	2.9333	4.33496	5.40317	3.82085	3.37552	2.8813	3.61424	3.8419	4.51056	3.58879
PINLYP	8.79448	7.75805	6.95784	8.23492	7.13648	8.46358	6.90596	6.97033	7.17007	6.74657	6.9671	7.36932	6.14652	7.85064	6.83992	7.18347
PINX1	7.45647	7.33171	7.82162	7.43547	7.38113	7.51651	7.47821	7.40401	7.22445	7.15288	7.27991	7.30321	7.80571	7.81773	7.43817	7.12158
PIP	11.3034	8.73732	9.37612	9.10606	4.05118	5.65192	4.6631	5.06322	6.4091	12.9525	4.24944	5.21084	4.75137	5.96143	6.28605	5.10495
PIP4K2A	5.67778	7.18028	7.61408	7.48154	6.92458	6.89505	5.75276	6.76142	6.4066	5.50829	6.79861	6.95611	5.52747	6.48637	5.96774	5.75467
PIP4K2B	6.76714	6.15738	6.35565	6.14843	6.42277	6.94396	6.417	6.44292	6.48777	6.95215	6.30834	6.54028	6.2427	6.68041	6.62877	6.40159
PIP4K2C	7.08461	7.19982	6.80782	6.92239	7.43858	8.0757	8.67455	7.75974	8.34385	7.42514	7.65437	7.26026	7.13112	7.38635	7.73933	7.04899
PIP5K1A	6.25296	6.12018	6.18822	6.53064	5.90531	5.50431	6.15798	6.3484	6.16738	5.78012	6.06799	5.93081	6.45625	6.30863	5.78351	6.4899
PIP5K1B	6.83957	7.16146	5.75568	6.78332	5.89586	6.17104	6.49857	6.50885	6.30993	7.36211	6.12646	6.33298	7.71017	6.03639	6.97076	6.44275
PIP5K1C	6.74587	7.17193	6.50914	7.02487	7.90573	7.98082	7.67213	8.3527	7.74569	7.36564	7.4186	6.82096	6.11965	7.12499	7.35469	6.39825
PIP5KL1	5.20828	5.70016	5.61026	4.73609	4.30494	4.39841	5.03767	2.13755	4.89893	5.94565	5.35071	5.63875	4.08241	4.9789	5.44505	3.70541
PIPOX	7.1569	7.57115	7.50062	7.67932	7.39178	7.72267	7.78404	7.6334	7.79231	7.58583	6.88379	7.64214	8.76514	8.22559	7.41154	7.58379
PIR	8.15863	7.94585	7.07497	7.97435	9.01248	6.986	9.6193	7.44928	7.88778	6.84064	7.37585	7.16916	7.12832	8.58514	8.37595	9.84118
PIRT	6.07854	4.70756	6.4129	4.23832	5.9817	6.02765	5.74444	5.63251	4.32124	5.95827	4.7581	4.48087	4.92663	5.29145	5.46495	5.72006
PITHD1	4.88894	5.47752	6.19907	5.29437	5.02205	5.38784	5.94238	5.99641	5.8704	5.39594	5.55081	5.03935	5.2126	5.27601	5.43465	5.72647
PITPNA	8.29921	8.20284	7.85698	8.32985	7.7785	8.07378	7.73665	8.20812	7.92801	8.87752	8.27087	7.90928	7.78272	8.04991	8.29543	6.92598
PITPNA-	6.7635	7.17292	6.18888	7.32841	7.09521	7.43362	6.16746	7.21647	6.76152	5.78516	7.20332	7.83864	8.32702	6.89636	7.01358	6.92002
PITPNB	10.1246	9.95652	10.3468	10.2928	10.6607	10.4778	10.5911	11.118	10.46	10.7596	10.1088	10.0193	10.1456	9.9611	10.3679	10.2318
PITPNC1	5.92895	6.22344	6.50119	6.76807	7.35304	6.56625	6.06581	6.78637	6.34446	6.81999	6.97262	6.67783	5.89446	6.10912	6.52948	5.55021

PITPNM1	2.72538	1.9808	2.02586	3.80706	2.0729	1.90997	1.73976	1.96139	2.81157	1.87612	2.3203	5.78361	1.7762	2.13594	1.55502	1.77343
PITPNM2	5.00035	5.39292	4.59445	5.13261	5.25872	4.98862	5.41534	5.71171	5.33428	5.23232	5.10115	4.18478	4.96515	5.0963	4.73058	4.29253
PITPNM3	5.91925	5.18154	5.26217	5.65634	5.12383	5.68401	5.50757	4.52964	4.83778	5.35044	4.88056	5.13901	4.93625	5.12281	5.17427	5.11427
PITRM1	6.12478	6.73246	5.80698	7.22399	6.63193	6.24827	6.40473	7.01847	5.92025	6.07349	6.64978	6.64525	7.07869	5.82677	5.93259	5.88196
PITRM1-.	1.54854	3.28675	4.40922	5.13328	5.09517	2.93381	4.71077	5.77447	4.24079	4.05738	2.99709	5.49559	3.17825	4.33558	5.12829	5.5419
PITX1	6.566	6.01976	5.41338	5.58686	3.73869	6.3799	4.98499	2.76892	5.07446	6.17824	6.95429	6.07517	5.98328	6.54354	5.04665	5.65222
PITX2	6.20086	5.56605	3.58903	4.17431	5.49338	4.66192	4.83168	4.03916	1.92414	4.03381	2.79035	4.81824	4.57269	3.44975	4.87602	3.76737
PITX3	3.02599	2.49227	1.97795	3.61465	4.01012	1.73976	1.85693	3.29115	2.97568	2.01376	2.63321	3.16915	2.6465	2.62575	2.6136	3.07505
PIWIL1	2.21029	3.92591	5.17844	2.184	5.50605	4.88484	6.29363	6.13354	5.55777	5.30184	5.13024	2.24796	2.54194	5.81954	5.61273	2.9809
PIWIL2	4.37703	3.78181	4.25266	4.49355	4.25266	4.66374	3.59749	4.01369	4.38855	4.00589	3.67873	4.14041	3.74466	4.45895	3.5252	4.00429
PIWIL4	6.93789	7.00686	6.1566	7.17501	8.37861	6.53152	7.73933	7.61042	6.80975	7.24656	6.26204	5.30957	6.78294	8.24077	6.90016	7.76072
PJA1	8.24849	8.19619	8.62519	8.65782	8.39244	8.69882	9.00592	7.98688	8.3212	8.84133	8.35056	8.39024	8.62646	8.55255	8.40648	7.87691
PJA2	8.459	8.10225	9.65997	8.80651	7.54095	8.67666	7.19916	6.51384	8.45057	8.87234	8.59662	7.17317	7.93038	6.47506	7.78199	7.70306
PKD1L1	2.2279	3.22421	2.58623	2.96351	3.70978	2.13636	2.25774	3.79647	2.75095	2.68036	2.9644	1.83336	2.61379	4.05249	3.8877	4.24599
PKD1L2	4.16233	4.64211	4.75459	3.59987	3.74733	4.80767	4.124	3.47743	3.91728	3.81646	3.79846	3.81806	4.89581	4.81141	4.33389	4.34161
PKD1P1	5.10345	3.60842	4.32665	3.33739	5.3979	3.57327	3.39293	3.86842	3.36695	4.10188	3.03593	3.76552	3.14193	4.19488	2.86345	3.24808
PKD2	5.63013	6.12852	6.63305	6.43444	7.0247	7.28099	5.80714	5.82161	6.54488	7.25116	6.85546	5.95764	7.28011	6.51238	6.46304	6.92658
PKD2L1	7.68808	7.59745	7.31952	8.0064	6.91931	7.58505	6.98769	7.77441	7.16605	7.53845	7.07279	7.90044	7.46085	7.79551	7.53935	7.96389
PKD2L2	4.04773	4.82868	5.37368	4.77096	5.34551	4.67509	5.07857	5.47877	5.17184	3.73945	5.02351	4.03667	5.64645	4.72517	4.77206	4.8249
PKDCC	6.53353	7.10108	7.7017	5.88216	9.46488	7.31308	10.8621	8.51429	6.25491	8.40426	3.3963	8.27303	7.55918	10.8356	9.00781	8.22781
PKDREJ	2.93125	2.18884	2.21086	2.58828	2.44843	4.76146	2.58845	1.73724	2.35886	1.63837	2.54194	4.74678	5.00579	2.95261	2.881	3.24808
PKHD1	3.23083	4.92653	4.94776	4.96105	5.00549	5.22842	5.13399	5.39004	5.25598	5.29959	5.04974	4.6787	4.87023	5.26864	4.48961	5.09101
PKHD1L	1.54854	5.80184	5.05469	4.9268	4.59036	2.72526	2.47678	5.81871	1.45473	1.82992	2.07483	5.24175	2.26476	1.6809	3.62574	3.24808
PKI55	3.87518	3.24563	3.391	4.94944	6.02014	6.13597	5.69257	3.37974	3.19069	3.72029	5.14857	3.08704	3.36189	4.38727	5.81289	4.04011
PKIA	7.08952	7.06488	6.47126	6.67233	7.76849	6.80448	8.15642	5.37172	7.25418	6.59148	6.03658	6.60175	7.32679	7.31112	8.0296	8.47782
PKIB	8.05986	7.06455	6.5162	8.06529	5.86266	4.88684	6.20531	4.6673	4.51056	5.94368	2.87672	4.95161	5.65506	5.9567	7.63902	9.0096
PKIG	9.43005	9.03434	8.08867	8.58895	8.21355	8.12322	7.23391	8.47703	8.14684	8.2773	7.59643	8.64113	8.55202	8.54511	8.15584	6.92499
PKLR	3.97307	4.49604	4.71215	3.50971	5.13292	4.10961	4.14832	4.26185	4.08394	4.60388	4.54874	4.86073	4.47902	3.65535	4.88353	4.35974
PKM	6.42277	6.5596	6.2383	6.71574	6.74515	6.75886	7.52006	7.30631	7.64749	6.37201	6.59148	6.22059	6.85738	6.8423	6.92712	6.49124
PKMYT1	6.86547	5.46243	5.70887	5.68446	7.06811	7.28099	7.4195	7.56657	7.42332	5.67434	7.75146	8.12128	7.59892	8.13334	7.17859	7.68234
PKN1	4.23422	5.79284	5.46755	5.17119	4.62927	5.28652	4.16126	3.70769	5.93008	5.55753	6.48148	6.18679	5.41348	6.57036	5.07857	5.70646
PKN2	7.36788	6.83449	7.23812	7.56369	6.98472	7.34719	7.21477	6.60329	7.08169	6.83957	6.76829	7.15791	7.43803	7.2013	7.06179	7.35627
PKN3	3.71123	3.52573	3.72265	3.6916	2.94105	3.36385	3.3753	3.49069	3.04535	3.68301	3.66652	3.55262	3.69964	2.86263	3.06557	3.27231
PKNOX1	5.05678	5.60685	5.59343	5.63462	5.47752	5.69224	6.04935	5.51506	5.60685	5.65728	5.3654	5.46131	5.98394	5.47164	5.34089	5.69299
PKNOX2	5.25428	5.77843	4.97617	5.956	5.1641	5.93748	5.00736	5.36141	4.74889	5.32566	5.49711	5.22914	5.08327	5.4585	4.80389	5.35608

PKP1	4.2492	3.10689	3.29411	2.7875	5.86329	5.54665	5.14562	2.94714	4.85269	2.49316	5.33068	4.57516	2.76999	5.09101	5.21072	4.42101
PKP2	5.55115	6.05846	4.09381	3.7572	6.41424	4.83468	5.25494	4.15015	4.15183	4.34913	4.56504	4.77206	5.0069	5.93081	4.53056	5.72213
PKP3	7.21008	7.04132	6.92033	6.71524	6.78314	6.74871	7.18699	7.23363	7.22727	7.56562	6.47613	7.37763	6.76219	7.47911	6.72304	7.11924
PKP4	6.09755	5.46406	5.88657	5.35145	5.65993	5.92597	6.67421	5.0271	5.35991	5.88924	5.25261	5.27954	5.2507	6.70913	5.96245	5.6454
PLA1A	4.78107	4.8244	5.17844	4.35425	5.61572	5.07507	5.38235	5.44975	6.29614	4.13002	5.19042	5.15565	6.41831	5.14737	5.93176	5.87097
PLA2G12	7.23713	6.68077	6.84397	7.12545	6.82086	7.30969	6.72393	7.38059	6.72785	7.30736	6.54728	6.88467	7.37019	7.13591	7.3713	7.04132
PLA2G12	2.99339	2.55171	3.1481	3.25017	2.59488	2.94457	3.28495	2.72168	2.88947	2.70698	2.44811	2.88902	3.49001	2.68811	2.98506	1.83926
PLA2G15	4.00401	4.55696	2.95766	3.45327	3.7606	3.6993	3.60262	3.21508	3.36695	5.31378	4.9112	6.16231	2.49591	2.88516	2.81201	3.42878
PLA2G16	7.86265	7.16525	7.36016	7.89362	6.73909	6.83112	5.66719	6.25061	7.32333	7.7726	7.35478	7.04028	7.42167	5.80882	5.99946	6.55569
PLA2G1B	6.52006	6.73138	6.15928	6.6308	5.74166	5.06879	6.17352	5.95144	5.97427	6.13152	4.57021	7.1267	7.20191	5.5659	6.63787	6.0061
PLA2G2A	5.93782	6.27391	4.25955	5.86647	6.8873	6.12936	6.42527	6.40684	6.39306	6.66328	6.51155	6.63119	6.28732	6.1983	6.22252	6.35338
PLA2G2D	3.00675	3.71031	4.73799	3.99755	4.61145	4.79793	3.3753	4.69169	6.66715	3.15532	4.17832	4.45556	5.35907	2.93125	3.46534	5.05177
PLA2G2E	6.31688	3.79628	5.62378	5.53338	6.18966	6.67496	3.50564	4.04879	5.87771	5.13192	4.05647	4.89553	6.29087	6.05349	6.34665	6.5764
PLA2G2F	3.74737	3.99153	5.04282	3.85758	2.76484	3.17101	2.90726	3.60236	4.07916	3.85542	4.24944	3.9549	4.03129	2.99448	5.86066	5.16578
PLA2G3	6.69863	3.96497	6.27834	6.73353	7.92881	6.35753	7.58194	8.46227	5.19903	5.61936	7.28966	7.71287	7.87143	8.22729	7.69997	8.06703
PLA2G4A	6.52201	6.17098	6.64937	6.39124	8.1354	6.49631	7.03098	6.90974	6.818	6.51425	6.9262	6.58393	6.706	6.20951	7.42275	9.35033
PLA2G4C	7.21428	6.80181	6.98932	7.64001	7.51567	7.74792	8.24645	7.49844	7.92842	6.51597	7.10505	7.56369	7.30736	7.28682	7.52301	6.78183
PLA2G4D	7.58901	5.62378	5.91457	6.66059	4.25669	5.47485	5.58532	6.47461	6.14107	5.38528	4.01138	6.22659	5.12297	5.91431	6.16222	6.09299
PLA2G4F	5.52006	5.43309	5.00294	5.65728	5.6902	3.391	6.43909	3.79039	5.6566	3.90306	5.99873	6.10324	4.92663	6.34532	5.68367	5.21189
PLA2G5	4.10052	4.24374	5.53595	4.2082	4.11164	4.27501	4.18642	4.94776	4.91313	5.43485	4.36763	4.41214	3.44117	3.65431	3.42455	4.37334
PLA2G6	6.61479	5.99171	6.22568	5.99946	6.88337	6.14288	6.98426	7.04132	7.02199	6.93931	5.62801	7.15992	6.86006	7.16758	6.75972	6.40964
PLA2G7	4.3226	7.84662	7.98518	7.02582	8.09183	7.93421	7.32444	9.57819	10.1021	5.37008	8.48158	6.9762	9.43005	6.96952	7.40603	7.528
PLA2R1	5.99882	5.71676	5.9226	4.41044	5.92308	5.90568	6.43304	5.20375	4.58067	6.12998	5.8546	4.89293	4.14706	4.83993	6.19751	5.34065
PLAA	5.32654	6.05165	5.81123	6.25249	6.05243	5.94415	6.18875	5.34775	5.14549	5.91684	6.58286	4.83092	5.34859	6.46116	6.38344	6.9634
PLAC1	5.76238	5.15466	4.67099	6.21493	4.83558	6.24355	6.17104	5.52231	5.20282	5.90889	5.7102	4.58543	5.55596	5.77062	5.28471	4.63489
PLAC4	5.23842	5.23875	4.92713	4.96649	4.51377	4.9796	5.25333	5.18	4.61686	5.52597	4.33657	4.389	4.41747	5.15076	4.28461	5.09073
PLAC8	10.8206	10.7134	9.91339	11.8369	10.2825	9.65997	9.75247	9.37829	9.66375	6.33978	7.64224	7.99865	9.16731	8.73848	8.77566	12.2011
PLAC8L1	6.50525	6.42916	6.36237	5.97882	6.36055	6.06363	7.18109	5.99145	6.85031	6.82394	6.85198	6.41555	6.85136	7.08843	6.76859	6.59885
PLAC9	4.27128	3.35726	5.27924	4.29522	4.05647	4.71641	3.75676	3.6881	3.3464	5.37151	4.18123	3.98449	4.31363	4.15843	4.09448	4.37538
PLAG1	8.39965	7.4801	7.51081	8.01829	8.77851	7.7461	8.18266	6.93431	6.57174	7.51294	7.17978	6.7229	5.81182	8.18266	7.12958	7.66255
PLAGL1	7.62033	7.59516	7.893	7.40347	7.41405	7.2685	7.02091	7.06066	7.6187	8.67187	7.36602	7.06771	7.54421	5.74348	7.53557	7.21296
PLAGL2	6.8648	6.67897	7.0964	6.50178	7.41816	7.34016	7.56462	6.93394	6.8205	6.29785	6.89843	6.44275	7.21911	7.5738	7.72349	6.87053
PLAT	7.25544	7.4773	7.31545	7.77471	7.01477	7.28019	5.96182	7.84813	6.03972	7.61626	7.65332	6.83636	5.91468	6.7678	7.89722	6.88181
PLAU	5.80924	6.21942	8.03572	6.55443	6.9261	6.08205	6.97362	7.8097	6.33001	5.95297	7.66558	6.84575	7.17539	7.05226	8.46273	7.36756
PLAUR	5.94499	5.89412	6.56571	5.99292	6.73883	6.50683	6.7294	6.81873	6.96582	6.49673	8.19509	6.75611	6.74157	6.87096	6.56956	6.74345

PLB1	5.45724	6.23074	5.86	5.90235	3.8927	5.8704	5.85047	5.35566	6.20878	5.45244	6.16754	6.67595	6.00833	6.35153	5.86926	5.81123
PLBD1	8.20175	8.25123	7.81245	6.90293	7.608	6.76807	5.44093	7.00783	8.19059	7.47778	8.84953	6.87687	7.16353	6.31353	7.20295	8.12887
PLBD2	5.16259	5.08968	4.98232	6.2736	5.58714	6.44056	6.23437	6.84366	7.43628	7.0099	6.71962	6.8119	7.08169	6.22616	6.08022	5.65805
PLCB1	6.12946	5.42251	6.09956	6.123	6.55405	6.46361	5.90568	5.82933	5.25618	7.10505	5.9621	5.69472	6.06289	6.5805	5.85064	5.82306
PLCB2	5.45472	4.50759	4.14056	4.38784	4.89423	5.32945	4.36033	4.69635	4.53092	5.06762	4.20101	4.63031	4.96487	4.41697	4.2857	4.80362
PLCB3	7.8321	7.95349	8.30791	7.92262	7.60287	8.0605	8.08028	8.30111	8.35093	8.10818	7.56162	8.37443	7.9767	8.11278	7.80351	7.96702
PLCB4	7.05741	5.23108	4.89657	5.03158	7.62638	6.4066	5.02507	5.40753	3.61388	6.39199	4.67069	5.32341	4.11032	4.70881	5.23042	5.43281
PLCD1	7.79266	6.92136	6.69189	8.15189	5.54991	7.2601	7.01967	6.74767	7.69154	7.47398	7.28407	7.54382	7.46945	7.45647	7.94504	6.64176
PLCD3	4.81568	4.54221	3.99337	4.30829	4.66774	5.15926	4.82236	5.26854	3.52327	5.23355	4.55761	5.24005	4.56991	4.36522	5.42436	4.74602
PLCD4	5.51577	4.23261	4.3596	5.45483	5.74699	5.99877	3.16512	5.66963	3.6792	5.59977	3.88263	5.88851	4.32095	3.7466	4.15496	4.27608
PLCE1	4.97	4.4644	4.6787	5.14656	4.38995	4.14429	4.0795	4.72236	3.88508	5.24175	4.02672	4.95609	4.48157	4.29253	4.85246	4.53756
PLCG1	7.56225	7.65632	8.04543	8.09341	7.61999	8.10994	7.91065	7.8368	7.61565	7.69211	7.50258	8.20812	8.12416	7.65586	7.71156	8.06643
PLCG1-A	4.78908	2.72769	3.1811	3.74939	4.24079	4.60609	4.96187	3.99573	4.34561	5.17323	4.32438	3.60204	4.44582	2.37224	3.34075	4.36849
PLCG2	5.33875	6.08422	6.86277	6.8423	6.22635	5.67113	5.21013	5.949	6.44674	6.75611	5.66035	5.8734	5.37368	5.1686	5.39128	6.04735
PLCH1	4.80436	4.77121	4.72569	4.96712	3.86158	4.28253	4.03565	5.18133	5.00115	4.32214	3.83194	3.85278	4.39023	4.39244	4.43077	3.65227
PLCH1-A	5.64699	5.4303	5.9313	4.85873	5.32334	5.63393	5.60753	5.79806	5.99481	6.31502	5.54982	5.49854	6.06561	6.19272	5.47117	5.99873
PLCH2	4.4643	4.17704	4.6173	4.48948	4.54756	4.1494	5.70528	4.34817	4.46917	5.066	4.00564	4.4643	5.21576	6.54494	4.10961	4.67059
PLCL1	5.64161	5.97187	6.28672	6.26933	6.6179	5.59408	6.3538	4.91131	6.40673	5.11655	5.04257	6.18875	5.33971	7.52074	6.58707	5.86038
PLCL2	5.86985	6.87829	7.38917	7.16246	7.17635	6.91292	6.81149	7.34402	7.3755	6.73987	6.78015	6.8955	6.68235	5.6896	6.8648	6.70344
PLCXD1	5.41489	5.96515	5.71558	5.80245	5.51949	5.95253	5.89988	6.01778	5.57898	6.38629	6.09939	5.83	5.80721	5.51092	5.7789	5.88851
PLCXD2	4.63225	5.45613	5.83541	5.25218	5.99025	5.31323	5.59535	5.66258	5.67887	4.79562	5.49001	5.13711	5.40993	4.67994	5.50431	5.18671
PLCXD3	3.97214	3.87518	4.05789	3.70705	4.08085	4.26699	3.43307	4.35356	3.80749	4.48882	3.71651	2.5008	4.78468	3.15604	4.31674	2.48692
PLCZ1	5.04458	4.90215	4.70407	5.64638	3.09072	5.21084	5.32594	5.42199	4.76618	5.59977	4.74167	5.56476	4.46842	3.07586	5.44837	4.85873
PLD1	5.6314	5.16446	5.25872	5.03472	6.57044	6.06141	6.92054	5.87762	5.77613	5.73754	5.37698	5.26828	5.43465	5.96269	6.07898	5.80882
PLD2	7.29718	7.65545	7.51761	7.35989	7.07623	6.93439	7.77224	7.62863	7.21897	7.01235	7.67745	7.58461	8.1282	7.33171	7.44372	7.75696
PLD3	6.99029	6.65423	7.23328	6.26213	7.11147	7.14925	6.17104	6.05436	8.63631	7.16436	7.34936	7.34693	7.05953	8.01099	6.94494	6.96888
PLD4	4.28922	3.07311	3.47862	3.82301	3.31255	2.79145	4.37803	3.123	2.95663	4.04356	3.91052	4.06234	3.13119	3.53699	4.68428	5.18306
PLD5	5.27844	4.73125	3.87914	4.90369	5.53294	3.32868	5.96858	3.53131	3.42967	4.02952	2.42836	4.50924	4.08906	4.90369	5.6866	3.62346
PLD6	5.7104	6.68799	5.71171	5.18602	4.42618	4.9488	5.26618	4.82189	5.68373	6.10171	5.98199	5.63055	5.8273	4.84817	5.76009	5.36023
PLEC	4.59806	3.45602	4.76854	4.0662	4.05898	4.59792	4.85088	4.19001	4.02075	5.26934	5.47218	5.97318	4.23422	4.18876	3.4102	3.6244
PLEK	5.94989	7.18152	6.12725	6.69	6.35089	6.38062	6.20495	7.05429	6.74102	5.70643	8.43956	7.28855	6.6695	6.21864	5.95223	6.35436
PLEK2	7.85291	7.21986	5.15041	7.13661	9.07296	7.81534	8.46688	8.68337	7.54736	6.86445	9.06301	9.33546	8.83436	8.83277	8.91477	7.78272
PLEKHA	8.59276	8.12106	7.90044	8.39725	6.70439	9.84118	8.5194	6.5777	8.78234	8.28836	7.32054	8.30082	7.42749	9.08296	8.51199	8.04765
PLEKHA	5.17108	6.03712	6.64649	6.11535	6.01927	6.47587	5.29579	5.52006	5.98807	5.88036	5.84269	5.54615	5.69269	5.44452	5.78459	5.57201
PLEKHA	6.9154	7.09937	6.85234	7.33414	6.62705	7.38227	7.04408	6.72743	7.10605	6.90107	6.43709	7.15377	7.09966	6.25491	6.61479	7.77471

PLEKHA	4.39081	3.54594	2.46272	1.93131	2.73769	2.67969	3.39293	3.23218	3.36695	4.44111	3.62297	3.79654	4.16937	3.50494	3.12323	2.5569
PLEKHA	7.05787	5.29959	6.05374	5.56916	7.25795	4.83511	4.74559	4.1681	5.94581	6.22635	3.8513	6.10253	4.26515	6.03625	4.93889	4.45943
PLEKHA	5.98632	6.02088	5.34859	6.1481	4.74319	5.04372	7.12375	7.26549	4.52451	6.42215	3.95837	5.27534	4.70093	4.50668	4.23458	4.48075
PLEKHA	6.51608	6.51077	5.77853	6.09694	6.4479	6.37868	6.66184	7.10955	6.13111	6.36658	6.25358	6.2538	5.70553	6.06808	6.95202	6.34863
PLEKHA	4.62754	4.87924	5.48503	4.73261	5.92501	5.93612	5.97352	6.35649	5.43204	5.768	5.6595	5.20872	5.40944	5.98237	5.81705	6.21776
PLEKHA	5.09335	3.33539	4.97788	3.78412	5.98671	3.25596	6.86853	5.88688	4.7581	6.39118	4.54707	4.66581	2.62575	2.82083	5.39763	5.60033
PLEKHB	6.4737	6.33219	5.96074	6.24154	5.84468	5.89914	5.82515	6.12646	6.24458	6.90628	5.85641	5.59946	5.47346	5.94251	5.20249	5.93081
PLEKHB	6.65014	6.94208	6.62237	6.58211	6.18435	7.05247	6.36933	5.84809	7.48502	7.15791	6.96469	7.02837	6.35027	6.54303	6.6685	6.55737
PLEKHF	5.74926	6.03955	6.92116	7.30446	4.87854	6.97977	4.84572	6.97563	7.64853	7.29628	7.07279	7.56746	6.03661	6.83822	6.49447	4.64352
PLEKHF	7.20402	8.02106	7.76101	8.46227	8.69038	6.9705	6.97927	6.76162	7.62912	6.98553	7.43226	7.45568	7.47622	8.2869	7.06124	7.57891
PLEKHG	6.42644	6.55391	7.00568	6.986	7.05993	6.70923	6.38093	6.38441	6.62295	6.51189	6.21395	6.43709	6.88246	7.76799	6.91111	6.92002
PLEKHG	4.42849	5.37901	5.12406	4.71037	5.29437	6.00128	4.6439	5.22723	4.81549	3.87456	5.62053	5.70437	4.19396	4.24079	4.4838	4.71007
PLEKHG	4.42204	4.49302	4.25792	3.9739	4.00753	4.47514	4.60781	4.09469	4.43031	4.58796	3.89015	5.38841	4.34027	4.61929	4.05738	4.56572
PLEKHG	7.00506	6.25411	6.72166	6.31099	5.65461	6.93439	7.70877	5.92857	6.76925	6.89597	6.93418	7.04642	6.9358	7.79044	6.5943	7.51548
PLEKHG	5.23907	4.62693	6.34034	5.04051	5.31006	4.77035	4.8435	6.984	5.55652	5.16241	4.55677	5.40619	4.90131	4.94638	5.73664	5.22028
PLEKHG	4.15309	4.2746	3.8399	4.01048	3.61082	3.51688	3.99461	4.32841	4.05558	3.71682	4.51805	4.07798	3.49513	4.06977	4.59565	4.01048
PLEKHG	5.70016	5.95223	6.00638	5.12882	6.65623	3.5856	6.21417	5.99786	2.50218	6.21063	5.70475	6.1277	5.90341	5.76092	6.74325	5.92292
PLEKHH	6.77952	5.76173	4.68745	4.45735	4.25134	4.56149	4.33331	4.54325	5.03273	6.42817	5.77151	4.23345	4.54107	4.26713	4.34003	2.95097
PLEKHH	4.37039	3.05512	4.1934	4.00094	2.8652	3.19866	3.62729	4.7984	4.66602	5.03997	3.97	4.53938	4.29147	3.48538	3.62162	2.89864
PLEKHH	2.45697	2.06028	2.09896	1.91261	2.34674	2.38522	2.33043	2.25559	2.05268	2.33043	2.28895	2.45697	1.91968	2.63618	2.30728	2.27367
PLEKHM	5.63871	5.85506	5.10138	5.00103	6.08272	5.66075	4.59609	5.96015	5.72572	5.85911	5.93903	5.19838	4.32344	4.91646	5.16446	4.17016
PLEKHM	4.0831	3.25613	4.09823	3.1994	3.18522	5.12651	3.97251	3.29115	4.39183	4.20362	6.45655	5.56798	4.369	4.54346	4.52824	4.44959
PLEKHM	6.32955	6.57234	6.87829	5.53244	6.69783	6.57303	6.27203	6.86253	6.79359	6.15117	6.36138	5.43322	5.91357	6.29418	6.68004	6.3419
PLEKHN	3.78698	4.12453	3.78517	3.02476	4.08624	4.24599	4.54584	4.33496	3.71298	3.6977	4.3025	4.45556	4.42745	4.45641	4.16718	4.1399
PLEKHO	2.16905	3.72982	2.42383	3.72039	3.80647	4.07245	2.31492	3.84143	4.09292	2.61134	5.32479	5.85971	5.05646	4.5359	2.3168	2.4155
PLEKHO	8.57809	8.81403	8.85032	8.53909	8.41962	8.42321	8.57525	8.70461	9.11792	8.65235	9.04721	8.96233	8.45546	8.59959	8.54112	8.18238
PLEKHS	8.60447	7.7952	7.66822	7.85776	7.07983	6.67015	4.64303	7.20233	7.41632	7.50856	5.30926	5.94097	7.01865	5.43076	3.91728	6.21586
PLG	5.35079	5.23893	5.35346	4.95066	5.24887	5.37108	4.22367	5.28829	4.91497	5.30337	4.71261	5.02791	4.81617	5.01016	4.52689	5.04565
PLGLB2	2.61145	5.07679	5.13395	5.49937	4.06073	5.26131	5.07033	3.61778	5.5025	3.6977	4.16718	5.32479	5.54416	4.14195	4.13035	3.93004
PLGRKT	7.54087	7.83923	7.88441	8.25183	8.38598	7.3443	7.43279	7.94608	7.00374	6.77706	8.20284	7.95464	7.47214	7.20992	7.84487	8.70602
PLIN1	3.78698	5.31079	4.08953	4.29377	5.08771	4.25611	4.79031	4.1399	4.46077	5.17832	4.70133	4.22754	4.03129	5.23942	3.26899	5.02291
PLIN2	7.20266	7.91547	7.60398	7.50393	7.25884	7.22613	7.0519	8.10173	7.75483	7.84852	7.95413	7.73862	8.29921	7.35149	7.57572	7.81222
PLIN3	7.86174	8.23628	6.88851	5.60533	6.21114	5.56226	6.13862	4.67765	6.7653	7.90495	8.51686	7.94991	7.25599	5.52482	6.25144	6.85727
PLIN4	5.69729	4.74876	6.20579	4.54239	4.26628	3.6256	2.63794	4.71588	4.36917	4.63911	4.07031	4.22754	4.43617	5.11666	4.13924	5.5143
PLIN5	5.05088	4.64006	4.63389	5.44001	4.81196	5.155	4.75618	5.24588	5.29075	5.18175	5.24317	5.45924	5.44608	4.89377	5.25377	5.04222

PLK1	4.16384	4.72297	6.38216	5.83023	6.41497	4.9488	4.23557	5.63833	6.67871	4.04734	6.51155	6.15572	6.60817	6.99839	5.88618	6.59011
PLK2	7.42558	6.92986	7.75274	6.85031	6.44283	6.26604	6.54028	5.79356	7.26381	9.8758	7.66014	5.90859	5.94952	4.52704	6.89307	7.01929
PLK3	6.49673	6.12725	5.93911	5.98247	6.2284	6.21767	6.47531	6.0697	6.65491	6.54598	6.33298	6.87156	5.95297	6.44775	5.59651	5.86472
PLK4	3.90154	4.59823	3.83088	2.93245	4.54391	3.92537	4.26411	4.92554	4.11388	4.25587	4.96072	5.06334	4.74249	4.70503	4.93804	4.7932
PLK5	2.53024	3.60842	3.55141	3.1994	3.83175	4.00784	3.29192	3.10948	2.90046	3.63896	3.18189	4.88936	3.7479	3.47687	3.08134	3.40822
PLLP	8.44583	7.45844	6.43615	7.16663	6.33487	8.396	6.57265	7.00477	6.88287	6.97868	6.67922	7.48814	6.7865	7.23377	6.13276	7.57333
PLN	2.02257	1.89466	3.40694	2.46886	2.77727	2.0122	1.52718	1.97795	1.66665	4.89773	4.09067	2.71299	2.2824	3.62346	2.25288	2.72213
PLOD1	7.095	7.01098	7.92358	6.74227	7.46424	7.236	7.28797	7.57235	7.09966	7.92358	7.34053	7.11075	7.08193	7.91982	7.94301	7.70306
PLOD2	8.13992	7.0773	8.39116	7.46862	7.7737	6.8872	6.80739	6.82178	6.75056	7.96108	8.08164	7.28627	8.40722	7.01338	7.53657	7.36602
PLOD3	7.65208	7.69585	8.40309	7.95439	7.8012	8.81879	7.74178	7.78769	7.90469	8.43537	8.33649	8.50784	8.06128	8.74487	8.50194	8.23524
PLP1	4.9939	4.47322	6.13367	4.89377	3.75099	1.995	5.43281	4.93717	4.42376	6.52126	5.00328	4.70518	5.31934	4.69923	2.52969	3.45478
PLP2	8.29444	8.35122	8.79361	9.14498	8.29264	8.2162	9.82707	8.96663	8.87664	8.60932	8.87708	8.27937	8.16905	9.92065	8.93625	8.91873
PLRG1	7.06255	7.24802	7.65726	7.52519	8.15584	7.43992	7.20502	7.50258	7.04107	7.09223	7.61288	6.8718	7.73862	7.70022	7.86066	7.53657
PLS1	9.42873	8.29485	7.73876	8.45826	6.58382	6.76629	7.02877	7.09122	7.1053	7.76184	7.63387	6.31734	7.61233	6.04817	6.12774	8.41134
PLS3	8.56536	8.66567	9.66375	8.91873	10.398	9.30096	9.88929	9.16584	8.92094	9.73676	9.82707	8.04991	9.09212	8.26568	9.63482	9.64667
PLSCR1	5.83166	6.29256	6.81999	7.25954	6.06615	6.00192	6.2673	6.78596	6.52209	5.5785	7.81636	5.16701	7.2013	5.64247	6.16356	6.45669
PLSCR2	5.87195	3.82745	4.90583	5.4486	4.21488	4.06587	3.76997	3.38837	3.93732	4.75073	5.13823	2.33387	4.67154	4.47294	3.9365	2.39894
PLSCR4	8.03245	6.91379	8.44024	8.22174	6.83876	7.55989	6.35913	6.37566	6.455	8.09094	7.59223	6.23393	5.75136	6.42667	7.22296	7.37359
PLTP	5.51577	5.54169	4.78915	5.45803	5.16753	6.86307	5.34129	4.63015	3.27349	7.39456	8.06417	6.21417	4.9034	7.1222	2.6136	4.43638
PLVAP	3.81865	4.64949	5.51437	3.66594	5.08514	6.1194	5.63956	5.60903	5.68926	4.89975	5.50599	5.06151	5.01038	5.51092	5.31905	4.45493
PLXDC1	7.05226	7.04899	7.32884	7.03085	7.01074	7.7809	6.85546	7.91547	7.28242	7.47582	6.32531	7.9407	6.67664	6.74345	7.66647	7.10725
PLXDC2	5.41393	5.11873	6.58066	4.95044	6.17147	6.67644	4.73468	5.72177	6.29235	6.1336	6.19705	6.25137	6.28689	5.03413	6.44456	6.33769
PLXNA1	5.89143	5.66258	5.86766	5.27633	5.94565	6.34271	6.97577	6.03071	5.81537	5.99529	5.94021	6.29513	5.78176	6.38787	6.09202	5.90975
PLXNA2	5.50633	6.10066	5.54064	6.3979	5.41393	6.20708	6.0061	6.0743	6.06475	5.7348	6.33549	6.03295	6.47407	6.12794	6.21138	5.72913
PLXNA3	5.22091	4.87271	5.44733	4.86845	4.49127	4.8731	5.72333	5.52822	5.15199	4.91768	5.79149	5.79876	4.71736	5.27193	5.59123	4.90267
PLXNA4	4.69384	5.24763	4.82167	5.03535	4.45689	4.8294	5.37964	5.11031	3.98921	4.7744	4.58614	4.6923	5.14382	4.93851	4.39999	4.53287
PLXNB1	5.23487	3.13257	3.94319	4.00997	4.05943	5.0052	4.37651	5.15982	3.68505	4.95474	3.67981	3.46662	5.53338	5.58393	3.81937	3.86666
PLXNB2	7.17933	7.00437	6.8481	6.12881	7.10661	6.45994	6.74045	6.78574	7.19373	7.30035	6.38374	6.60354	5.99679	7.71541	6.64123	6.86932
PLXNB3	5.66152	4.31399	4.66364	4.22106	4.56051	4.70491	4.30475	6.71791	5.01527	5.29504	5.22179	5.41625	4.75137	4.84817	3.88656	3.75934
PLXNC1	5.48503	5.00061	5.38484	4.65818	4.94373	4.52011	4.75713	5.57791	5.66331	5.74373	5.94133	4.89694	4.95724	4.96626	5.40703	5.11218
PLXND1	6.64772	7.11663	7.5738	7.32679	6.90628	7.7042	7.29957	7.07804	7.59995	6.40759	7.59959	7.8025	7.13227	6.96309	7.63603	6.42572
PM20D1	5.18283	3.58335	4.89789	6.42442	5.59723	5.76151	5.85495	6.24793	6.48004	5.15403	5.59376	6.48947	6.51475	4.28324	5.79671	5.302
PM20D2	7.46593	7.34189	8.23555	7.8012	8.38687	6.93537	8.24826	7.41939	7.20038	6.98343	7.48608	7.13034	8.07378	7.83558	7.57115	8.32579
PMAIP1	6.83848	6.50241	7.94585	6.78662	9.27221	7.54351	9.45824	7.1175	7.8236	4.00611	8.22892	6.97857	9.02044	9.54799	10.0552	9.13804
PMCH	2.72538	5.68683	6.61126	6.54728	6.66709	6.09668	6.25521	6.57993	5.79486	5.34336	5.81025	6.10863	6.26091	5.49726	5.64462	6.3928

PMCHL1	4.44382	4.34433	4.5207	3.57385	3.13476	3.45622	4.81338	4.19998	4.30583	4.29189	4.65881	4.72757	4.02752	3.93337	4.24709	4.55446
PMCHL2	3.70541	3.57129	3.8669	3.95837	2.88263	3.92927	3.29908	4.86372	4.8362	3.40883	4.69835	4.3919	3.94882	4.3226	4.56898	3.83593
PMEL	2.44059	2.59102	2.91679	2.1445	1.77016	2.63321	2.06028	2.58708	2.22165	2.77263	1.67696	2.15748	3.07124	2.54935	1.61881	2.36473
PMEPA1	7.79666	7.42558	8.52577	7.93633	8.2633	8.12453	8.234	7.63411	7.22828	8.68099	7.09188	8.00842	7.3363	7.72159	9.0751	7.93941
PMF1	7.88093	8.09933	7.41725	7.7654	7.55529	7.6636	7.53547	7.76459	8.19149	8.07048	8.46549	8.43478	7.96758	7.59557	7.89846	8.13008
PMFBP1	5.36418	6.3928	6.16152	4.78962	6.37053	4.95972	6.34043	6.28503	5.55466	5.65002	6.31936	4.05356	5.19042	5.78941	6.69189	3.42878
PML	4.467	4.44723	4.28228	4.02325	4.45067	4.46146	4.81066	4.85711	4.97169	4.09327	5.22796	4.52451	4.23458	4.98157	4.53909	4.53375
PMM1	7.94585	7.54447	7.74961	7.5497	7.31278	7.66306	6.97236	7.32857	7.41136	7.72074	7.72936	7.59223	7.5063	7.94154	6.95784	7.48191
PMM2	5.41227	6.94544	6.40117	4.93594	7.17269	6.09415	5.47996	7.10804	7.49227	7.80379	7.39069	7.10312	6.92598	7.04973	7.58648	6.42733
PMP2	3.64596	4.10435	4.43223	3.27667	3.97703	5.19754	3.78412	5.22972	4.02973	6.46116	5.60018	4.32004	4.38995	3.83387	4.108	4.33642
PMP22	4.37083	5.76354	5.98632	5.18485	5.65752	6.90997	5.1928	5.90555	5.55021	6.31081	5.8266	5.50521	6.38514	5.4486	5.97212	5.62668
PMPCA	7.71853	7.8789	7.64286	7.69298	7.72074	7.76184	7.73007	8.41962	8.07429	8.30473	8.27879	8.98598	7.55351	8.11184	8.08385	8.42443
PMPCB	7.00599	7.80919	7.29931	8.15253	7.51793	7.75853	8.06036	7.65533	6.95167	7.50206	7.02171	7.19009	7.32029	7.85915	8.15692	8.29063
PMS1	4.75459	4.87875	5.84579	5.17051	6.16738	6.15008	5.97023	6.08511	5.61979	5.21162	5.73158	6.01577	6.32101	6.19375	6.19045	6.38344
PMS2L2	2.63482	3.09358	4.46828	3.04143	4.97329	3.8966	3.92606	4.34289	4.17624	4.00874	3.50469	3.3015	3.47767	5.61264	3.33112	5.13703
PMS2P1	7.47017	8.10844	7.70929	7.92161	8.27937	8.01409	8.50078	8.88342	8.72304	7.81085	8.05925	8.154	8.52475	8.29662	8.64669	8.58624
PMS2P3	5.79284	5.95819	5.51915	5.80567	6.60805	6.42442	6.32349	6.54889	6.35513	5.79795	6.36517	6.35326	6.48403	6.45669	6.3843	6.40739
PMS2P4	2.08404	2.41683	2.61382	2.40724	2.18367	1.85868	2.39011	2.8638	2.39727	2.66614	2.27492	2.89774	2.00801	2.09344	3.00483	2.49784
PMS2P5	5.79227	5.13976	5.74919	5.8555	4.91541	5.99097	5.65267	2.78286	5.48228	5.66263	6.5943	4.87924	6.39471	6.64649	6.01839	6.23325
PMS2P8	7.96128	8.07963	6.47821	7.7158	7.50118	8.068	7.17193	8.14486	7.94178	7.64214	7.06876	6.92808	7.51319	8.0941	7.85085	7.81621
PMVK	9.14447	9.18298	9.01134	8.86407	7.61185	8.75334	8.44024	7.71993	8.23881	8.84687	9.17582	9.12408	8.81989	8.58199	8.42204	8.84375
PNCK	7.12623	6.68799	6.67595	6.71492	6.4564	6.6667	6.35718	6.51165	6.46703	6.5099	6.58617	6.85834	7.16353	5.95819	6.44205	6.6594
PNISR	7.69886	7.0936	8.37199	7.25015	6.83319	7.58869	7.89329	7.22727	7.35544	7.17866	6.81937	7.29519	6.98607	6.92817	7.36632	7.06005
PNKD	7.20038	7.20076	6.91333	7.57352	7.03897	7.32622	7.76557	7.57314	6.82429	7.37266	7.19916	7.41841	7.47138	7.22488	7.27872	7.18517
PNKP	7.96513	7.92528	7.75388	7.52026	8.00348	8.22174	7.55185	8.26406	7.60851	7.82787	7.71102	9.35829	8.09763	8.41335	7.74542	8.01263
PNLDC1	3.85425	3.41586	2.91679	4.84774	3.96564	1.995	3.14316	3.0093	4.16584	3.3263	2.77081	3.26763	4.11284	3.6977	3.06557	3.53602
PNLIP	5.44106	3.31135	3.0591	4.21125	5.22539	4.34547	3.29192	3.6374	3.6241	3.3263	3.21922	3.31042	4.98271	3.29459	2.56931	3.67519
PNLIPRP	4.81846	3.9949	4.24792	4.38024	4.30655	3.92393	3.62682	4.59056	4.14797	4.16421	4.06073	4.0497	4.31762	4.24274	4.70821	4.79343
PNLIPRP	2.16905	4.98301	4.93219	4.75966	2.29738	5.09342	5.29949	4.56358	4.25669	2.57765	4.96638	3.81618	4.45382	3.60186	4.58061	5.16578
PNLIPRP	5.58674	5.83775	6.36589	6.27672	5.23329	6.25094	6.35462	5.54537	5.41128	5.65002	6.02659	3.04581	5.33882	6.07813	5.32247	5.68579
PNMA1	9.57587	9.02691	8.43537	9.14095	9.5648	8.44961	8.09465	8.65312	8.43237	9.16467	8.96842	8.71883	8.79229	6.44417	8.42505	8.21223
PNMA2	4.49557	4.50274	5.40727	5.40477	5.25291	5.72712	6.98295	5.68251	4.11419	5.57918	5.64894	5.87597	5.07841	5.66603	6.36706	5.81398
PNMA3	4.2061	3.22692	2.92808	3.49069	3.76677	3.41719	4.15582	4.21435	4.12226	3.45301	3.74409	4.74294	2.57956	3.83593	4.27381	4.50771
PNMA6A	5.46994	5.93392	6.1219	6.17072	5.16332	5.77406	6.076	5.29334	5.446	6.47015	4.95609	6.47077	4.78274	5.24887	4.16718	4.87671
PNMAL1	7.81851	5.20259	7.70367	4.87633	6.21853	4.00784	3.76501	6.89441	6.87848	7.71853	4.19874	6.36735	7.37115	3.21424	6.57223	5.78375

PNMAL2	2.61145	2.91316	3.54384	3.42644	2.65839	2.97137	3.39293	2.81438	2.83517	3.20323	3.98737	3.86376	3.54537	3.05474	2.9127	3.10689
PNMT	4.78908	4.85013	4.95701	4.7744	4.72375	4.80276	4.90633	6.76563	4.89893	4.79873	4.57021	4.69025	4.18518	4.98359	7.23297	6.08408
PNN	8.62008	8.55121	9.1743	9.04808	8.95432	8.71651	8.70805	8.89592	8.67112	8.80719	8.76046	8.5569	8.7622	8.1889	8.3171	8.88247
PNO1	5.71193	6.87653	7.01754	6.88759	7.64749	6.65411	8.01278	7.69452	6.99315	5.878	7.68737	7.131	7.59162	7.31233	7.49699	7.76459
PNOC	6.71745	8.22973	8.2507	8.32521	6.35143	7.25808	4.54584	7.44312	7.04375	7.09122	5.54563	8.08705	6.46401	6.37723	6.69731	6.16781
PNP	7.40281	7.94961	8.06436	8.30791	7.67213	7.88036	7.07964	8.32521	7.61499	7.23966	9.33845	8.54172	8.30111	7.57707	7.36016	8.49271
PNPLA1	1.60375	2.29438	2.14348	1.50761	1.97947	4.73519	4.45365	1.79233	2.25875	0.85718	1.51119	2.509	1.89786	1.78331	4.05558	2.19188
PNPLA2	5.39423	4.99189	4.93512	5.17489	5.15683	5.0999	5.51836	5.2994	5.80721	5.28927	4.95456	5.68863	5.27137	5.67054	5.31846	5.29126
PNPLA3	3.974	4.49249	3.3579	4.95657	2.92914	5.26698	5.17427	3.75975	4.08503	3.02155	3.97783	5.34851	2.58537	3.32197	3.82859	4.12946
PNPLA4	6.73228	7.52841	6.79668	7.81268	6.98738	7.32963	6.18358	5.93876	6.71555	6.59293	5.69321	7.04784	8.396	7.3332	7.24192	7.70895
PNPLA5	2.50129	2.49227	3.04356	2.79365	3.18522	3.18781	3.40901	3.21508	3.15245	2.61134	2.48014	3.0573	2.49591	2.74868	3.04901	3.53602
PNPLA6	6.88092	7.11621	6.59103	7.00403	6.37844	6.60087	7.276	7.65979	6.87418	6.88265	7.44986	7.33828	7.03332	7.00107	7.3332	6.91643
PNPLA7	4.37001	4.36763	4.52387	4.8564	4.50409	3.76885	4.37858	4.43188	4.70968	4.75687	4.72194	3.78553	4.34957	3.85196	4.15183	3.95816
PNPLA8	8.03646	8.29176	8.64803	8.65235	8.65312	8.0875	7.56028	7.25914	8.31755	8.08992	8.27357	7.60305	8.29543	6.91674	8.77063	8.11278
PNPO	7.83011	8.03799	7.9021	7.60818	8.02925	8.1649	7.99006	8.25743	8.32579	8.26204	8.22214	8.39387	7.82093	8.12675	8.05785	8.03432
PNPT1	7.70439	7.67439	7.8224	7.2494	8.86493	7.73123	8.04267	8.92921	7.84645	7.65921	8.88247	7.22727	8.48329	7.76581	8.35767	9.15499
PNRC1	6.82592	7.56995	8.40893	7.65794	10.6031	7.97022	7.19145	7.65811	7.69278	7.99903	7.97095	8.05562	7.85064	7.94351	8.41433	8.16934
PNRC2	7.96389	7.11556	8.36706	8.53091	6.41949	7.44109	7.90683	7.48643	7.8431	7.78656	7.99888	7.80293	7.92556	6.7883	7.60493	6.8657
POC1A	6.72716	5.5975	5.09667	5.73685	6.29087	5.73609	5.04665	5.00482	5.95392	5.66519	6.2836	6.33134	5.79452	4.84606	5.67943	7.16078
POC1B	9.81371	10.4632	9.16731	9.73676	9.36777	9.7449	10.5313	9.96379	9.6066	9.7449	9.89582	9.49577	9.67862	9.82232	9.96657	10.3074
POC5	6.9109	7.54929	7.21477	7.17018	7.26183	7.37662	7.21863	7.17147	7.45869	6.84701	7.11301	7.04923	7.01141	6.93247	6.83992	7.32871
PODN	5.0159	5.57239	5.6452	5.16611	4.64535	5.25141	4.96847	6.05522	4.07403	4.31542	5.52597	5.03644	4.09796	5.39366	4.8484	5.42929
PODNL1	5.8509	6.11683	6.99984	6.00481	5.92913	6.84972	7.71233	7.10517	6.11072	7.15042	5.95773	5.94133	5.77971	6.68235	6.43433	6.16152
PODXL	8.37935	7.50708	8.61369	7.84702	8.89011	8.8308	8.61713	8.79526	7.63411	9.28755	6.96616	7.90347	7.26605	8.77063	9.84118	8.42795
PODXL2	1.92303	4.78107	4.29709	4.41415	3.91616	3.45096	4.8582	3.17146	2.83517	5.38177	4.12946	3.96659	3.71375	3.75913	4.30494	4.37747
POF1B	4.79903	4.20764	4.22943	4.91131	5.05653	3.28186	5.41489	2.74504	5.31649	4.89504	5.19592	5.05022	5.01495	3.72386	5.11501	3.77058
POFUT1	5.21117	4.75817	5.67397	5.34654	6.56684	5.9868	6.30457	6.49673	4.50668	5.73685	5.49177	4.68891	4.76901	6.17842	4.79283	5.60325
POFUT2	4.70214	4.53148	4.70214	4.55416	5.25407	5.27002	5.50994	5.44809	5.23682	5.43557	4.66701	5.34551	4.34161	4.6969	4.70093	4.37306
POGK	5.02351	5.39491	5.45694	5.34161	4.83092	5.84093	5.24694	5.14689	5.31079	4.21691	5.29174	5.7174	5.65877	5.13318	5.14674	5.82677
POGLUT	7.44207	7.87748	8.1843	7.41961	9.17096	8.78995	8.98598	9.18918	8.01409	7.56421	7.42589	8.49676	8.60829	9.52199	9.54936	8.79695
POGZ	4.79228	6.02244	6.02045	5.11002	5.53215	5.24111	5.88338	5.63087	6.55046	4.52648	5.62753	5.35699	4.98125	4.09514	5.66772	5.81438
POLA1	6.60956	5.94177	6.52531	6.14424	7.35231	7.3443	7.51529	7.38635	7.53845	5.54577	7.93038	6.84709	7.40067	6.76613	7.61481	7.12158
POLA2	6.5302	6.69306	6.3741	6.3009	6.13088	6.62078	6.70325	6.92377	6.65458	5.85707	6.49265	6.79214	6.48757	6.71775	6.59677	6.42535
POLB	7.00204	7.33445	7.30897	6.81668	7.41136	7.44302	7.70836	7.35509	6.92778	7.31017	6.91137	6.91944	7.3332	7.25499	7.32444	7.00599
POLD1	4.62405	6.54748	6.55313	5.3091	6.94396	6.63108	6.89356	6.23123	6.43807	4.64479	6.85198	8.00881	6.65877	7.15578	7.05774	7.0935

POLD2	5.64371	4.86753	3.79811	5.84369	7.30479	6.70681	7.22399	5.45391	7.59417	6.86171	7.37305	6.98952	7.9507	7.89701	7.14569	8.46688
POLD3	6.9682	6.92547	7.10941	7.21316	7.05226	7.21742	7.13034	7.17072	7.33274	7.30238	6.95399	6.8334	7.3706	7.64701	6.70524	6.97548
POLD4	7.17689	7.16495	5.54788	6.99808	5.89886	6.03493	4.16867	4.04879	4.33436	5.28156	6.7294	8.28199	4.55026	6.32393	4.19913	6.1716
POLDIP2	8.04702	8.70701	7.43254	7.84964	8.28608	7.97302	8.22174	8.78314	8.42037	8.52332	8.91642	9.03623	9.03052	8.71319	8.45101	8.71787
POLDIP3	6.35947	6.72785	6.76123	6.80489	6.55362	6.03981	6.64131	6.27692	5.89679	6.96309	6.43423	6.52681	6.30273	6.95513	6.05111	5.92197
POLE	6.93357	7.11235	7.20465	6.6732	6.82761	8.02016	7.09549	6.70121	6.18427	5.69188	7.28814	7.71776	7.2533	7.39759	6.80263	7.2924
POLE2	6.54533	7.17527	6.32843	6.0666	7.8419	6.39244	7.56639	7.8817	7.75362	6.20038	8.14952	6.1153	8.01668	7.47124	7.20191	8.15735
POLE3	7.5049	8.65141	7.92634	7.87403	9.14235	8.19193	6.83375	8.05282	8.50939	8.1862	8.75854	7.77611	8.5569	8.20431	9.04381	9.07417
POLE4	5.67397	6.04533	6.02751	6.21022	5.16611	6.68097	6.87285	5.4513	5.81304	6.99972	7.23122	6.70492	6.64772	5.8266	5.50408	7.43547
POLG	4.91247	5.17075	5.27249	5.18736	5.8734	5.1367	4.86639	5.50757	4.95657	5.5524	5.95954	5.03555	5.23078	5.88242	5.08461	5.41855
POLG2	6.10275	6.45844	6.99315	6.81894	7.49252	6.49097	6.58391	6.90293	6.94031	6.65137	7.20142	6.47077	6.83528	7.04973	6.78926	7.09178
POLH	5.33204	5.15926	5.64185	5.27879	6.28135	5.81725	6.11473	5.878	5.68623	5.74089	5.56599	5.29804	5.49323	5.5705	5.859	5.50341
POLI	7.03897	5.91964	6.35878	6.60794	6.94648	7.1175	6.8718	6.45276	6.45939	6.94256	6.12594	6.77848	6.52859	7.05101	7.63362	6.93448
POLK	5.16701	4.79805	4.68584	5.65057	4.46856	5.41113	4.92686	4.19766	5.58111	5.859	5.68495	3.74062	5.27456	4.0601	5.18133	5.0986
POLL	6.84381	5.42705	6.96263	6.71949	6.08958	7.31863	6.92997	6.00213	5.37062	5.56444	5.65855	6.84709	5.52597	6.81906	6.44172	5.43557
POLM	3.11441	3.66604	3.43133	3.31099	3.80647	4.1494	3.20323	3.6374	3.50839	3.93408	4.58359	3.88029	3.32016	2.93125	3.80377	3.6454
POLN	4.11419	5.16268	5.6902	4.5817	5.04313	4.62017	5.77127	4.79767	5.25494	4.99307	5.01016	6.26834	4.62869	5.56217	5.61554	5.11814
POLQ	4.88734	5.85187	5.23996	6.0877	6.54712	5.21642	6.81431	6.94612	7.0195	4.48738	7.35212	6.01651	6.94474	6.19751	6.38755	6.80802
POLR1A	2.51343	2.80263	3.0337	3.58582	4.4879	4.14509	4.33436	2.74259	3.1636	2.21984	3.04121	2.53988	2.50824	3.43713	2.69944	2.80132
POLR1B	7.17836	7.19405	7.37813	7.46926	7.27669	7.2935	7.6481	7.91179	7.49156	7.11341	7.50708	7.35822	7.68698	7.40742	7.61809	7.85449
POLR1C	7.92486	8.00305	8.049	8.14751	8.61682	8.10686	8.42381	8.19658	7.83502	7.78519	8.05423	8.65141	7.70349	8.67112	8.10716	8.38568
POLR1D	7.96758	8.54172	7.77611	8.72673	8.75379	8.75124	9.26222	9.61082	8.51627	7.81112	8.48395	7.99147	8.51853	8.87558	9.08296	9.10246
POLR1E	5.57813	5.55578	5.66671	6.28755	6.04465	5.85616	4.71358	5.97567	5.46691	6.29048	5.57186	5.57669	5.69299	5.23146	4.92884	6.11334
POLR2A	3.47903	3.72386	3.87456	3.34224	3.69634	4.00539	3.70908	3.91647	3.8513	3.75132	4.13105	3.54594	3.51074	4.05064	3.41062	3.27793
POLR2B	8.52989	8.10173	8.56737	8.54913	8.78995	8.92094	8.0026	9.00248	9.21728	8.50367	8.22834	8.10655	8.60522	8.56298	8.48507	8.36393
POLR2C	8.10456	8.07142	7.76969	8.03012	7.28781	7.69278	7.81197	8.17389	7.79926	8.55623	8.2773	8.29356	8.06777	8.34166	7.59076	7.91179
POLR2D	6.32405	6.80329	6.31399	5.85047	7.5386	6.69916	6.69213	7.1002	6.72093	5.13901	7.11489	7.33012	6.78681	6.8319	7.22016	7.12996
POLR2E	7.62638	7.31755	6.30778	7.74011	5.95281	7.07295	6.96875	6.11248	7.42028	7.56947	8.07849	8.46832	8.25692	8.00595	6.78707	6.94792
POLR2F	5.6126	5.95553	5.44046	5.88764	5.80461	6.91944	5.75395	5.61759	5.93792	6.2836	6.39736	6.58382	6.58459	6.54728	6.15126	6.28188
POLR2G	9.66572	10.4519	9.67232	10.5753	9.69447	10.5062	10.0342	9.53788	10.1456	9.05155	9.85557	10.3531	10.6816	10.9309	9.98188	9.94182
POLR2H	9.97015	10.0385	9.84759	9.79203	10.032	10.3013	9.98406	10.3871	10.3871	9.63482	10.4883	10.7467	10.4135	10.2257	10.0259	10.4362
POLR2I	10.9018	10.298	9.11385	10.4632	9.61651	10.2318	10.1981	9.88457	9.68239	9.64884	9.56326	10.7996	10.7696	10.1739	9.70215	10.3531
POLR2J	8.53692	8.44913	8.22263	8.82218	7.86622	9.23642	9.07296	8.20939	7.58583	8.0316	8.04543	9.12823	8.85032	8.8844	8.92258	8.39725
POLR2J2	6.99541	6.06395	6.62128	6.41956	7.09026	7.65666	8.49992	7.55351	6.88675	7.34509	6.84206	6.91995	6.93102	6.57036	7.57366	6.37487
POLR2J4	4.30438	4.25587	3.65448	4.28288	5.59929	5.04584	6.14133	4.52354	4.43787	4.25148	4.67416	4.0279	4.61047	4.87224	5.50757	4.45689

POLR2K	8.7731	9.0707	9.07205	9.64158	9.45518	9.32763	9.73676	9.30096	8.8528	8.61036	9.00106	8.43133	9.82582	9.53631	9.29168	9.62162
POLR2L	7.6495	7.68291	6.77193	7.59211	6.71343	7.4066	7.98571	6.9415	7.07467	6.91735	8.15863	7.16799	8.77123	7.39425	6.88661	7.5342
POLR3A	6.0186	5.42899	5.11309	5.10335	5.05601	5.36051	5.25428	5.23969	5.30361	5.80613	5.07091	5.69143	5.37901	5.59515	5.64095	5.51543
POLR3B	6.44198	6.51364	5.7418	6.75886	6.17824	6.20003	7.21742	6.75356	6.44513	6.50024	6.52681	6.47506	6.66401	6.8185	6.69137	6.68004
POLR3C	6.85927	6.69265	6.25921	6.44775	7.11889	6.73182	6.96543	7.00172	7.28911	7.07521	7.15354	6.84551	6.67705	7.11224	7.26291	7.27263
POLR3D	6.50525	5.37412	6.24434	5.06786	5.97935	6.0029	4.73125	5.00561	5.16507	4.90621	7.38139	6.52948	6.46809	6.85121	4.59688	6.46638
POLR3E	3.48571	2.79266	3.20427	2.63639	3.16569	2.58692	2.73211	3.43351	2.61941	2.44811	3.45096	2.79123	2.54194	3.31071	2.63378	3.32854
POLR3F	6.58037	6.37855	7.04386	5.54505	7.04546	7.00554	5.64301	6.24793	6.77908	6.83419	6.83126	6.41785	6.62723	6.13502	6.41633	6.2051
POLR3G	5.36187	4.94282	5.19056	5.10323	5.3962	5.4729	5.71411	5.17051	4.91247	5.08271	5.84617	4.34316	5.34118	5.14097	4.8246	5.67026
POLR3GL	8.83393	9.4407	9.46771	9.51037	9.16731	9.83745	9.50195	10.1401	9.82582	9.0096	9.46666	9.42229	9.40387	8.86001	8.98463	9.30766
POLR3H	6.77226	6.42722	6.57211	6.7969	6.39634	6.00176	6.7551	6.93931	6.54728	6.13418	6.43268	7.10353	7.21296	6.24364	6.36267	6.59083
POLR3K	6.71337	7.24638	6.26067	7.08341	6.19683	7.46102	6.47337	7.02866	7.02137	6.2427	6.69517	5.9165	6.61815	7.03798	6.43593	6.43994
POLRMT	4.64502	4.06947	4.86383	4.87894	5.52496	5.29298	5.03438	4.66701	4.62955	4.52354	4.98831	5.40444	5.20768	4.6656	3.94546	4.64981
POM121	6.53487	6.92074	6.62758	6.29525	6.39408	6.69321	7.0851	6.40125	6.2722	6.22203	6.74735	6.56853	6.88982	6.36872	6.96702	6.50648
POM121C	6.58666	4.60422	7.37495	6.73498	6.13014	6.9667	5.91306	5.77447	6.59614	7.58901	6.29734	6.51354	6.59848	6.55263	6.41398	6.46185
POM121N	4.87494	5.39366	3.34445	3.73033	4.22631	5.07913	4.69773	5.42632	2.73661	4.66095	2.70123	4.0069	2.94778	3.3814	5.11666	5.19241
POM121N	5.87709	5.06066	5.66305	5.50686	5.52307	5.98732	5.06834	6.91871	6.27556	6.03639	5.81741	5.72034	5.79671	5.24136	6.56272	5.41489
POM121N	6.98422	6.11511	6.21501	6.32236	6.19154	5.71671	6.26102	6.71924	6.72654	5.88638	5.86773	6.608	6.67581	6.63901	6.54147	6.50827
POM121N	4.04247	5.67407	6.23653	4.68646	5.76569	6.02988	5.83954	5.86617	6.18646	5.12708	6.3245	6.3352	4.006	6.53008	5.16778	6.04708
POM121N	4.65251	4.55918	5.24995	4.6945	4.24374	4.58478	4.71449	5.11194	5.77781	5.01414	4.60009	6.02407	4.35897	4.96159	4.57565	4.60697
POMC	3.66681	3.04911	3.1811	4.38405	3.56794	4.57551	4.22754	3.0481	2.43603	4.78962	3.58961	3.93749	3.46411	4.56553	3.44194	3.78507
POMGNT	5.9392	5.5785	5.33428	5.92501	5.8839	5.57918	6.16313	6.00283	5.98353	5.86958	5.94043	5.56236	6.41307	6.3927	6.2291	6.48933
POMGNT	7.35652	6.62363	4.35197	6.76687	6.0156	6.50293	6.40146	4.38366	5.97427	7.34719	6.1126	5.77769	6.14124	6.41451	6.75488	5.31683
POMK	6.81388	6.60847	6.32149	6.43444	5.90579	6.67173	6.86547	6.57993	6.3998	6.2132	6.76332	5.98895	7.25662	6.77986	6.81839	6.81608
POMP	9.82232	9.94429	9.85111	9.86652	10.6118	10.0415	10.2928	10.3113	9.99098	9.43005	10.371	9.54001	10.1981	10.389	10.5711	10.3741
POMT1	7.65308	7.26944	7.2883	6.55391	7.01358	7.56746	6.65267	6.74767	6.80168	7.5677	6.52829	7.05982	6.28889	6.81098	7.02877	7.50708
POMT2	7.39781	6.83139	6.42136	6.28247	6.17476	6.80489	6.55976	6.32792	6.4158	6.80664	6.35762	6.24176	7.08476	6.72689	6.63421	5.65821
POMZP3	5.56126	5.54169	4.90711	5.27329	6.70524	6.28135	7.49022	5.34019	6.20767	6.29905	6.39542	5.95942	5.90341	7.78725	6.57223	5.94638
PON1	2.90726	3.27667	2.09743	3.24817	2.61273	2.94759	3.58027	4.38162	3.05176	2.89716	3.58733	4.05776	3.45289	5.15094	3.05822	3.46916
PON2	6.92499	6.66976	6.29734	6.60577	7.22296	7.07893	6.48699	5.94351	7.01098	7.03494	5.81987	6.6437	6.41319	6.63499	7.56746	7.4767
PON3	6.0179	6.36113	2.89422	3.13915	4.22631	3.96435	7.50275	3.08616	4.85676	6.60899	4.32782	2.41615	2.49591	4.03667	3.7365	2.81134
POP1	5.33688	3.93772	3.25331	2.63639	6.28514	1.19537	6.41398	6.0966	5.42868	4.9891	6.15085	3.36359	6.90904	7.06255	4.55677	7.3119
POP4	7.18221	6.94648	7.12179	6.71808	7.7952	7.04051	6.89412	7.41663	7.41816	6.43909	7.81197	7.48683	7.23475	7.39105	7.3965	7.2774
POP5	8.48329	8.54622	8.32646	8.79299	8.51364	8.60862	8.27451	9.49038	8.97832	8.87472	8.84845	9.9517	9.44547	9.16908	8.22402	8.96525
POP7	7.60433	8.01779	6.75745	8.01689	8.25224	8.74164	8.46911	7.9021	8.34839	7.71977	8.74347	9.28504	9.04936	8.91477	9.05221	9.10606

POPDC2	3.99584	4.05789	5.67169	5.15376	5.90579	5.17093	5.36614	5.43004	2.97568	4.02075	3.38676	3.92989	4.75769	5.92308	6.19375	5.5306
POPDC3	2.58692	3.50584	4.06126	4.41415	6.76746	4.27251	5.60753	3.41422	3.29007	4.99475	6.59858	3.74466	9.10897	3.31071	4.08763	3.50454
POR	8.45826	7.21462	6.68871	7.14019	6.14314	6.81839	5.68623	4.34817	6.05015	6.99677	7.08421	7.20281	5.82023	6.77183	6.23562	6.56417
PORCN	5.95067	6.00736	6.5016	5.43831	4.54756	5.54883	5.85187	5.7092	6.03712	5.72724	6.18738	5.95435	5.46473	5.92496	5.07305	5.73413
POSTN	4.05985	3.08685	5.91698	3.1122	5.27686	3.1994	3.8116	4.72699	3.18376	4.95456	5.16701	4.10435	4.21884	4.21802	6.25418	4.70639
POT1	5.86266	7.08796	6.11841	7.17279	7.98651	6.77516	6.47587	7.48235	7.1008	6.91987	7.53627	6.23481	7.20233	6.31597	7.87786	7.78913
POTEKP	6.31417	6.31526	6.11327	5.39225	6.2822	5.82753	5.66827	6.86331	6.60342	5.92053	6.67513	6.66257	6.97441	6.56531	6.12774	6.09972
POTEM	6.02417	3.13884	5.68446	5.53655	5.18115	5.47877	6.04874	5.58831	5.07244	5.56093	5.21117	5.74526	5.64923	5.7004	5.57414	5.38269
POU1F1	2.16905	2.99228	2.86268	-0.2642	-0.3067	2.48692	2.39011	3.88575	4.44708	5.06097	4.57021	5.3793	5.22455	4.50167	4.08195	4.11111
POU2F1	5.05177	5.29152	5.18115	4.86678	5.53424	5.14398	4.78257	4.80177	4.69635	4.86595	4.89694	4.05738	4.66919	4.87464	5.19477	5.56699
POU2F2	5.76449	6.08253	5.99514	6.26366	5.24317	5.8431	5.56375	5.97591	5.8182	5.07153	5.29959	6.16667	4.82291	5.16393	5.75308	5.4377
POU2F3	5.54336	4.88552	4.89352	4.86432	4.99004	5.2705	4.00169	5.26217	5.30826	5.77214	4.41965	2.83695	5.65057	5.32375	4.67727	6.84429
POU3F1	3.63476	2.9809	3.06742	3.72332	3.51466	3.06904	3.6493	3.0564	4.32526	2.67868	3.65547	3.56531	4.63436	2.69081	2.88516	3.7087
POU3F2	5.09335	5.49958	5.46062	5.09814	5.33553	5.27879	5.3453	5.6494	5.54505	4.74354	4.09851	6.2896	5.32911	5.15466	5.41573	4.75618
POU3F3	3.92098	4.17313	4.24944	4.48842	3.76474	3.64434	2.94657	3.68775	3.7606	3.56284	4.15423	3.97084	4.1332	4.13479	3.10115	4.33416
POU3F4	3.76841	3.77151	3.48538	3.90548	4.21316	2.88086	3.95924	4.9984	5.25797	3.55696	5.35071	4.09275	4.64622	4.79512	3.81591	4.2961
POU4F1	4.35575	5.96167	5.63003	6.01401	4.22389	5.53739	7.37425	5.19303	5.99039	4.27689	5.96919	5.6952	6.02667	5.80597	4.39519	5.84505
POU4F2	5.68967	5.38125	5.24859	5.38794	5.57001	4.63716	5.70528	3.06557	4.14509	4.70881	5.29857	5.48098	5.64923	4.92635	5.39508	5.38269
POU4F3	2.70064	2.21392	1.64561	1.50761	2.21727	1.995	2.1009	1.86949	0.69487	1.69907	1.32308	2.63249	2.04398	2.05268	1.44837	2.59102
POU5F1E	6.1559	6.56965	6.31081	6.5847	6.76245	6.85446	6.97736	6.72473	6.1599	6.19425	5.33963	7.04216	6.48199	6.56652	6.54712	6.87934
POU5F1F	5.22275	5.11285	4.21177	4.59609	5.40872	4.58019	4.39009	4.61194	3.66585	4.10188	5.25119	3.55262	4.79774	4.17756	5.04748	5.40583
POU5F1P	3.06503	5.02245	1.79898	2.88071	2.85371	2.42212	3.2194	3.10948	3.85447	3.11051	2.79035	3.12959	2.49591	5.14368	2.72952	2.86424
POU5F2	5.13682	4.32699	6.14693	3.44117	3.52527	5.74089	4.16126	6.49283	4.06039	5.64594	6.06505	6.84527	3.67703	5.50359	5.9357	5.49475
POU6F1	4.97018	4.72987	4.36086	4.66867	5.1134	4.57315	4.6656	4.45943	4.56661	4.96752	3.70072	4.97462	4.11551	5.1722	4.59471	5.16446
POU6F2	3.09851	5.59446	6.02901	6.46185	5.54107	5.97064	5.76629	6.88783	5.69444	5.40509	5.69404	5.61268	5.47001	5.17875	6.15946	5.63045
POU6F2-	1.0625	4.68339	3.35289	4.1299	3.79424	3.6993	8.10671	5.02925	4.87944	4.31215	2.18694	5.02213	4.59673	4.37922	4.88909	4.69252
PP12613	2.30837	1.91586	1.3689	2.0998	2.1445	1.53719	2.23396	1.22235	1.92414	1.63837	1.36661	1.94688	1.22969	1.27177	0.6733	1.42001
PP12708	0.49324	0.69487	0.83338	1.00034	1.60199	0.27064	2.15094	0.41936	2.92006	1.22431	1.26375	0.61335	2.96494	2.01506	1.08679	0.9979
PP12719	7.21827	6.45844	7.20956	6.39462	6.27134	7.28867	6.97441	6.38093	7.03971	7.97635	6.29956	6.95533	6.24882	6.96496	6.17972	6.10171
PP13	4.40791	4.84276	4.74775	5.90568	4.47054	5.45089	5.33752	4.46867	5.61701	5.18249	4.63606	5.05314	6.03661	6.25888	3.84111	3.04866
PP13439	5.89078	6.05136	5.26091	6.35062	5.3979	5.51524	6.24397	5.54093	5.33269	5.50973	6.02213	5.1305	5.58168	6.11917	5.91325	6.24052
PP14571	7.07841	7.16663	7.19551	6.72579	6.48139	6.89348	5.80714	6.67817	6.62489	7.51025	6.90931	5.94393	6.66557	7.04973	6.92002	6.90527
PP2672	5.30253	5.28996	5.20817	5.06786	4.94529	4.94357	4.8582	3.86842	3.44034	3.20323	2.30098	3.483	4.01206	4.58025	4.27526	4.46349
PP2D1	4.3226	4.56638	4.96449	3.9262	4.99272	5.1154	2.47678	5.85064	4.58372	5.01	4.3412	4.63261	5.63427	5.4874	2.65173	4.67059
PP7080	6.17611	7.38734	7.35478	6.56661	6.69403	6.18	6.6076	6.68032	6.49434	6.32705	6.18599	7.06524	6.77795	6.23714	6.59252	6.75072

PPA1	9.3733	10.4448	10.8711	10.4243	10.783	10.9309	10.1334	10.9279	10.9797	11.0825	11.4919	11.0674	11.3355	10.6816	11.3587	11.3246
PPA2	6.46341	5.88076	6.06337	6.45758	6.03545	6.65525	6.30248	6.73855	6.05663	6.14853	5.93612	5.94835	6.5732	6.28053	6.15366	6.41963
PPAP2A	8.71927	9.2421	9.65415	9.08092	8.5483	9.82707	8.8528	8.76117	9.5671	9.58716	8.46911	9.90783	8.71228	9.66911	8.92195	8.37595
PPAP2B	7.42028	5.90975	7.90327	7.50258	5.33678	7.8444	7.51651	6.41801	5.956	7.92399	6.25137	6.46606	5.74912	8.06572	6.50148	5.16375
PPAP2C	10.1516	8.23984	8.54913	9.26491	7.85449	7.88746	4.79774	1.61881	6.78596	9.9611	7.19524	9.98406	7.8321	9.08007	6.59358	8.10456
PPAPDC	3.97679	5.48313	6.04656	4.19971	7.65979	8.60654	7.15727	6.54134	3.31034	5.41012	7.03913	4.95423	6.87122	8.03105	8.30473	6.46314
PPAPDC	7.84024	8.41228	8.99912	8.55202	7.85776	8.17017	7.87124	8.34712	7.98012	8.93431	6.83558	9.09834	8.04951	9.19438	7.60563	8.22892
PPAPDC	8.24623	8.63859	8.29662	8.33874	8.26476	8.35397	7.20891	8.37834	8.10408	8.68454	8.05665	8.31815	7.67568	7.19136	8.10408	8.47975
PPAPDC	2.98506	5.37412	6.46669	6.23022	4.76067	5.15643	5.82427	6.31081	5.75308	5.75475	5.85235	6.40411	3.95924	5.97437	6.05381	6.0061
PPARA	5.62286	5.62788	6.19599	5.57693	5.78564	5.81758	5.57791	5.58501	5.96539	5.73584	4.72309	4.98138	4.94719	5.17686	5.23713	4.92674
PPARD	5.15356	5.29126	5.28677	4.84118	5.42419	5.95743	5.94405	6.78513	5.9871	5.09699	6.34769	4.86031	5.75596	5.13353	5.03113	5.12314
PPARG	2.21029	2.86158	2.61382	2.61385	2.61273	2.5608	2.15094	2.75656	3.04535	2.69205	3.7868	2.94469	2.7137	2.31516	2.54889	2.71584
PPARGC	5.29681	5.1385	5.35465	5.37466	4.94447	5.25678	4.57882	5.02623	4.95474	5.49645	5.04804	4.6393	5.50973	5.49101	5.35628	5.42221
PPARGC	5.28718	4.95126	5.50496	5.54219	5.01495	5.47715	5.67273	5.72712	6.24793	5.35106	4.94203	5.69888	5.74585	5.45949	5.55145	5.20307
PPAT	6.66617	6.64551	6.81149	6.8519	6.73147	6.72182	6.63499	7.17376	7.13623	6.30585	6.79573	6.80517	7.93633	7.53313	7.47174	7.96861
PPBP	4.27584	2.18884	5.90764	2.58828	5.61572	3.96435	2.20014	5.8842	6.18119	2.15841	5.8694	6.26067	2.81611	2.65463	2.67357	4.43077
PPBPP2	2.75185	3.06378	2.94797	2.4789	2.58828	2.72526	2.31492	2.46648	3.31034	2.23712	2.48014	2.81338	2.6465	2.16332	1.92074	2.73131
PPCDC	7.7063	8.1649	8.0406	7.51854	7.37995	7.20472	7.5397	7.91133	7.93561	7.79439	7.92893	8.51627	7.79666	8.09465	7.55712	7.80696
PPCS	8.84687	8.96148	9.46135	9.14877	9.08751	9.23192	8.88342	9.1841	9.25053	9.28935	8.73349	8.70368	8.97832	8.41119	8.83206	8.77241
PPDPF	7.87706	7.76557	6.85491	7.42774	6.91463	6.91353	7.61077	7.87675	7.43906	7.8431	6.93224	7.15354	7.0915	6.92658	7.17199	7.28741
PPEF1	4.96173	5.03524	5.14525	2.95827	5.57221	5.12363	4.90633	5.72395	5.60018	5.5803	4.98389	5.55179	5.39578	4.44205	5.26248	5.49652
PPEF2	2.40819	4.26036	0.71928	1.93131	3.24511	1.78116	0.75071	4.02048	3.5404	1.49394	3.21922	1.3666	3.21485	2.65463	2.29341	2.99971
PPFIA1	5.80739	5.49147	5.98336	5.47541	6.33808	6.18897	6.54247	5.88036	5.87061	5.98199	5.91	6.04829	6.02552	6.24154	5.81758	5.93974
PPFIA2	2.51089	3.84597	3.87488	3.46064	4.63225	3.1387	3.87292	3.22605	2.96494	5.01451	4.85212	4.72387	3.64825	2.61204	4.27206	5.71442
PPFIA3	4.02546	3.79373	3.10689	4.33558	3.08274	2.94521	2.91595	4.35156	2.52228	5.20903	3.47114	3.83387	5.44046	3.999	3.07162	2.75605
PPFIA4	3.47335	5.39366	4.11758	3.94629	3.57987	3.20546	4.38384	3.15288	2.76258	5.05621	4.0196	3.68084	4.16937	6.4813	4.51056	6.97276
PPFIBP1	4.98301	4.84817	5.29199	4.45689	5.24763	5.30604	5.49777	5.10115	5.65081	5.40792	5.53126	4.76445	5.09101	5.15599	5.31618	5.14398
PPFIBP2	7.43963	7.30355	7.72665	6.97684	8.43072	8.76971	9.32833	8.0296	8.31608	7.0852	6.72621	7.98789	8.01367	9.31324	8.13158	8.6025
PPHLN1	7.19036	6.99984	6.96438	7.24262	6.88505	6.49429	7.08411	7.32054	7.30433	7.00009	7.04564	7.17104	6.28777	7.01125	6.7888	7.01865
PPIA	7.79386	8.99071	7.87079	7.69886	7.37425	8.5352	7.63497	8.93143	7.64528	8.3014	8.31608	8.61036	7.56995	7.71882	7.91547	8.96715
PPIB	9.85721	9.69447	10.398	9.67862	10.6889	9.11102	9.62162	8.63551	9.8758	10.8808	9.99282	9.52648	9.28266	9.39322	9.2707	9.68889
PPIC	8.66913	7.49911	8.46273	8.24601	7.10758	7.61077	7.32333	5.42342	6.89922	8.95773	8.09661	7.87018	6.83931	6.79359	8.0931	7.2883
PPID	7.27377	6.98163	7.44137	7.64677	7.7158	7.16525	7.20717	8.09264	7.97582	7.10108	7.91216	7.27645	7.88653	7.90962	7.88746	7.93633
PPIE	7.73179	8.10258	7.89111	7.91926	7.61598	7.43085	7.84768	7.49352	7.54563	7.31697	7.77471	8.11404	7.47714	8.19911	7.95615	7.74219
PPIEL	3.30714	4.20556	2.87454	3.85414	4.51707	3.08843	3.32016	4.64905	2.72213	4.27794	2.51089	3.39928	4.40218	3.78872	4.36763	3.36189

PPIF	6.84429	6.95188	7.48453	6.83297	7.60613	6.17878	5.99514	7.89679	7.49656	7.67515	8.25013	7.85642	6.91061	8.39449	7.96917	8.22559
PPIG	7.69081	6.68966	7.46368	7.75362	6.95289	7.49883	7.80919	7.28407	7.31561	6.70543	6.99689	7.31799	7.42501	6.92479	7.68134	7.5216
PPIH	8.56737	9.13234	8.72407	9.22523	8.45101	9.45133	8.53909	8.25405	8.8053	8.55828	9.30365	9.14095	9.29696	9.07296	8.61036	9.09448
PPIL1	7.70306	8.27775	6.19499	7.05176	8.13649	7.60636	8.62467	9.35952	7.83054	7.75716	8.54009	7.4189	8.68272	8.47096	8.29662	8.4703
PPIL2	5.73881	6.14202	6.38151	5.43557	5.87377	5.8829	5.84343	5.98436	6.18515	6.22032	6.25094	6.31489	5.17978	5.74261	5.95954	5.6126
PPIL3	9.55408	9.83943	9.57819	10.3792	9.6066	10.2667	9.41176	9.96724	9.24862	9.41176	9.23192	9.51582	10.2011	9.87278	9.45199	9.75979
PPIL4	7.09136	6.98409	7.47138	7.78156	7.58361	6.98113	7.22111	7.0306	7.01879	6.8108	7.47555	6.04339	7.27362	7.17978	7.3708	7.27909
PPIL6	5.72522	5.22214	4.78257	5.35044	5.29668	5.14478	5.19529	5.10708	5.13789	5.02484	4.78962	5.54198	5.60583	5.62406	4.99958	5.26108
PPIP5K1	5.72288	5.35896	4.55658	5.1356	4.79885	4.92884	4.9024	4.67128	5.56444	6.08511	5.2261	6.11735	4.76709	4.15773	5.19903	5.37281
PPIP5K2	6.52602	6.60053	7.47555	7.18742	7.84726	7.83558	7.85064	7.82061	8.07018	7.53139	7.74368	6.3109	7.07077	6.62448	7.44541	7.629
PPL	9.65609	8.86075	8.53336	8.70529	7.92001	8.14417	9.12606	8.35965	8.04043	9.39515	9.46488	7.13607	7.12996	7.84625	8.70969	7.88149
PPM1A	6.26776	6.19338	6.66656	6.6557	7.15323	6.30993	6.71402	6.51228	6.94426	6.69284	6.58707	6.31858	6.84758	6.01577	6.85008	6.22827
PPM1B	8.48009	8.74665	8.73001	8.73732	9.16537	9.12606	8.84421	8.52989	9.58085	9.23884	8.9973	8.61682	8.7291	8.20812	9.2812	9.0336
PPM1D	5.18485	6.04515	5.52053	5.93974	6.00079	6.18119	6.2594	6.58441	5.88542	5.91	6.59283	5.57434	6.72765	5.28882	6.62321	5.82616
PPM1E	5.8013	5.56198	4.67342	5.0747	5.55865	5.477	5.84953	4.60855	5.61533	4.32957	4.59029	5.30388	5.65169	5.53716	5.51802	5.36602
PPM1F	6.48777	6.8608	6.76925	7.09387	6.98315	7.41351	6.7905	6.87481	6.60496	6.48794	7.00096	7.53547	6.54223	6.83558	6.91814	6.50096
PPM1G	8.09491	8.25461	7.64471	8.2149	7.92001	7.46603	7.23063	6.81728	8.25651	7.88653	8.70701	8.78616	7.62252	8.98841	8.25283	8.50615
PPM1H	6.39257	5.91869	5.52965	6.54445	6.14652	4.62158	5.3987	5.71634	5.6019	6.20375	4.71852	5.29544	6.58884	5.56198	5.11713	5.66702
PPM1J	5.65081	4.96661	2.55526	4.1487	2.94105	2.81599	6.6025	6.07103	3.79382	4.11175	5.26563	5.0878	4.52282	3.62944	5.18587	4.78056
PPM1K	4.91702	6.03871	6.3022	5.7242	5.34359	5.58825	5.41522	5.63391	5.89999	5.86926	5.59883	5.74994	4.664	4.51723	5.66376	6.97754
PPM1L	5.1356	4.61686	4.53328	4.28922	5.00374	4.47902	5.04565	4.55822	5.22214	4.84997	3.95155	4.03714	4.25238	4.71588	4.85212	4.9315
PPM1M	6.42136	6.12852	5.06834	5.88704	6.50169	6.07822	3.90378	5.96298	6.19456	6.23462	6.06012	6.90246	6.19705	4.76631	6.46975	6.16781
PPM1N	1.40365	2.43058	2.41659	2.32579	2.38321	3.0606	3.09607	1.64103	2.84641	1.60492	2.14623	3.23195	2.1492	2.29377	3.5244	3.21286
PPME1	6.58362	6.19667	6.33989	6.25282	6.63063	6.71574	7.23414	5.96774	6.59409	6.24911	5.48401	7.0263	7.12636	7.62073	6.85943	6.3185
PPOX	6.44753	5.4433	5.38422	5.62032	4.94967	5.07775	4.7519	5.27742	4.95044	5.22343	4.822	5.52833	4.88484	4.58244	4.80597	5.05302
PPP1CA	7.01211	7.58869	5.94768	6.97525	7.48872	5.98542	5.27116	4.73705	7.4292	7.2316	7.83193	8.30756	6.05663	7.43844	7.65344	6.6026
PPP1CB	9.28374	9.23508	9.00781	9.25156	9.08296	9.10897	10.1183	8.94789	9.45199	9.51986	9.01348	8.11303	9.08092	9.03764	9.33845	9.10357
PPP1CC	10.0472	10.942	11.174	10.5857	11.565	10.8755	10.3792	10.8054	10.8356	11.0417	10.9225	10.3765	11.0741	10.2039	10.6816	10.4519
PPP1R10	6.42215	5.05274	6.13935	6.17931	5.52153	4.8404	5.09451	4.48458	6.44327	3.96715	5.32521	4.92249	5.23799	5.93989	5.14155	5.16305
PPP1R11	5.46878	5.88435	5.72807	5.74373	5.64043	5.81323	5.54137	5.41855	5.85667	5.94198	6.17289	5.19806	5.42031	6.20579	5.63564	5.83063
PPP1R12	5.99754	6.37758	7.42977	7.12328	7.14639	6.86192	7.13904	6.36743	7.69867	7.12889	8.24601	7.1641	6.79746	6.64896	6.79883	6.63258
PPP1R12	2.8872	2.97036	3.06811	3.16778	2.56799	2.62383	2.74745	2.6562	2.98574	3.123	2.5321	2.80584	3.03309	2.81292	2.98436	2.63249
PPP1R12	4.57259	4.21435	4.61448	3.60594	4.81469	3.53272	5.10092	4.77548	3.90614	4.28137	4.89718	3.1636	3.62346	4.8242	3.90646	4.2931
PPP1R13	7.35585	7.97727	7.39378	7.20836	7.28256	7.76184	7.78294	7.66933	8.3171	7.92662	6.98932	7.75602	7.5892	7.74752	7.10725	7.39737
PPP1R13	7.23519	6.62481	6.80418	6.59503	6.38048	6.50293	7.23129	6.56557	6.38087	7.16815	7.019	7.09206	6.57056	6.69517	6.65436	6.4154

PPP1R14	1.96392	3.44137	2.25072	3.24321	2.1445	3.65332	3.47278	2.64349	4.80597	7.42914	3.37552	3.33905	3.10377	2.88516	3.08134	2.5569
PPP1R14	4.18547	7.13829	4.69108	6.75832	7.07717	7.08593	7.73627	6.32223	7.35149	6.09515	8.41589	8.6574	8.9894	8.92094	7.81197	8.68624
PPP1R14	8.58048	7.608	6.21356	7.41378	8.52752	9.62902	7.48787	6.7294	5.6426	6.52602	7.11055	7.84487	8.24674	7.93338	8.21672	7.36492
PPP1R14	7.2924	6.74577	6.25719	6.26213	6.34969	6.64239	7.31475	6.63473	6.66715	6.22685	6.43057	6.51968	6.84415	6.76434	6.63586	6.79281
PPP1R15	5.89914	6.51161	5.90179	5.83989	5.7454	5.80613	5.10572	5.87097	6.41137	4.93488	6.08253	5.15281	5.9192	6.45523	5.2126	5.4251
PPP1R15	7.86174	7.92358	8.84953	8.84421	10.3635	8.86357	8.21298	11.4642	8.59487	7.96861	8.9255	8.95622	8.60718	8.40983	9.04721	9.40267
PPP1R16	7.29473	5.60298	2.59102	5.94126	3.88843	5.70543	5.09328	3.84143	5.95207	6.42492	5.06631	7.04066	6.3799	7.17565	5.91892	4.2654
PPP1R16	5.16547	7.91692	7.1777	6.89817	6.84879	6.81566	4.42232	6.9368	7.13071	5.77186	7.0461	6.73688	5.54126	5.0129	6.15028	5.40516
PPP1R17	5.17515	5.76967	5.35044	4.9692	5.48699	3.80719	6.04941	5.74805	4.97462	4.90779	5.49513	4.95126	5.49238	6.13777	6.04829	5.98436
PPP1R18	6.16109	7.45982	6.80099	7.57136	6.89934	8.17445	6.90806	6.61469	8.05902	5.47514	8.33155	8.52697	7.8738	7.71233	6.81398	7.63211
PPP1R1A	5.53967	4.83417	4.84458	4.79767	3.69784	3.50377	4.9146	6.02445	6.39634	6.31363	5.12719	6.1132	5.72016	4.72417	5.31323	4.05521
PPP1R1B	5.46994	5.47836	4.6804	4.9083	4.74792	4.63716	4.16867	5.28592	4.64364	8.71319	3.41787	5.05314	5.30913	2.74868	4.76672	6.50074
PPP1R1C	3.9922	3.88705	5.76919	3.87392	3.60106	4.59162	4.39799	3.83387	4.36417	4.85914	3.61218	4.28922	4.55658	4.97683	4.61765	4.88861
PPP1R2	5.25377	5.21834	6.07332	5.99921	5.34859	5.77111	5.32787	4.60892	5.70279	5.24694	5.28004	5.59486	5.06692	4.93129	5.64846	5.73217
PPP1R21	5.88618	7.19947	7.28113	6.91622	7.25662	7.28361	8.02241	7.80293	7.3363	7.32884	7.09026	7.35032	7.35509	6.9682	7.55173	7.8819
PPP1R26	8.15497	8.12416	7.69763	8.15714	7.86466	8.055	7.96246	8.03741	7.81197	8.1398	6.90375	7.68075	7.51577	8.50865	8.19792	8.13794
PPP1R26	5.1722	4.81793	4.75563	5.05722	5.08913	5.0097	5.42456	4.71007	5.06097	5.16185	4.20048	4.94638	4.92582	4.49959	4.87368	5.97318
PPP1R27	6.80649	5.89502	5.98741	5.77035	6.60593	6.77908	5.76985	6.41469	6.7186	6.06084	6.37591	7.083	6.81119	5.62497	6.69975	4.71816
PPP1R2P	3.6565	6.54628	5.71968	3.90548	5.50605	4.0956	2.61298	3.73495	3.63964	5.79159	4.36917	3.85447	3.07124	4.83639	3.13607	3.76737
PPP1R32	6.33307	6.75126	5.80642	5.3392	5.48441	5.65893	5.42167	4.79956	3.72995	6.38529	3.20659	5.21084	4.65266	3.79618	5.62497	5.49475
PPP1R35	8.59366	8.76268	8.05902	8.66087	8.11898	8.80792	8.51686	8.70278	8.68947	8.53336	8.18753	9.5293	8.91327	8.50939	8.60654	8.75379
PPP1R36	9.78594	7.90724	3.64717	7.92486	6.18701	3.8659	3.00912	4.03022	3.9348	7.65794	2.91487	6.12624	5.28614	3.85416	2.79339	2.31622
PPP1R37	4.87152	4.39114	4.34289	3.76637	4.33627	4.52911	4.24944	3.65754	4.19207	4.84753	4.51707	4.53186	3.79195	4.6313	4.05336	4.04301
PPP1R3A	2.95827	3.42172	2.75165	2.70922	2.95914	2.29377	3.01995	3.16274	2.74971	2.94316	1.2412	2.30728	2.76695	3.37457	2.10357	2.09472
PPP1R3B	6.00481	5.96787	6.90842	6.24118	6.72068	6.24803	6.48777	6.19445	6.55377	7.10941	6.33704	6.10379	6.55377	6.71442	6.55426	6.62425
PPP1R3C	4.37824	5.10092	5.43578	4.49101	5.00815	5.52073	4.05603	3.13884	3.39559	7.26291	5.36229	3.26122	3.74192	4.51613	5.32375	1.97229
PPP1R3D	4.38038	4.10404	4.24417	4.38024	3.7572	3.21439	3.83136	4.56757	3.9536	3.94028	4.07403	4.05092	4.09619	3.22335	3.8951	3.82301
PPP1R3E	4.11551	5.78159	5.52307	6.29893	6.37431	4.46879	4.20918	4.87854	5.81021	6.12151	4.54926	5.28972	4.51459	3.33875	4.47233	4.60121
PPP1R3F	6.04806	5.55253	6.16738	5.94021	6.05143	5.43429	5.69663	6.66101	5.94456	5.72953	5.82515	5.96732	6.17931	5.99268	6.06247	6.17432
PPP1R7	7.56855	7.27394	6.96543	6.84366	7.63559	6.7557	6.78926	7.00117	7.00026	7.01044	7.62364	7.52098	7.16026	6.86122	7.85248	7.2582
PPP1R8	8.40816	8.83206	8.84034	8.77241	8.76514	8.31881	7.5738	7.82787	8.18597	8.53091	8.40189	8.77182	8.48129	8.5974	8.51627	8.36016
PPP1R9A	5.44224	4.57686	5.61148	4.65582	3.37794	3.69237	5.02563	4.26411	4.10188	5.4895	4.19396	4.12015	4.5453	4.64269	3.88236	5.83635
PPP1R9B	3.80927	4.58852	4.73171	4.05867	4.43188	4.72757	4.166	4.32142	4.4821	4.64769	3.97084	3.75964	3.58121	3.53624	3.93582	4.12088
PPP2CA	7.32679	6.10535	7.03856	6.67543	6.92124	6.92074	6.41685	6.67705	7.47138	6.18525	7.55198	6.47564	6.55976	7.1008	6.67737	6.46847
PPP2CB	7.28113	7.81498	7.89992	8.05368	7.76686	7.55335	7.24603	7.03457	6.96135	6.51571	7.68776	6.83992	7.4571	7.90829	7.53761	7.65533

PPP2R1A	6.71574	5.74238	6.30551	6.04001	6.09607	5.97527	5.76985	5.59748	5.94981	6.4022	6.27556	6.18061	5.79876	6.08539	5.291	6.19705
PPP2R1B	6.28777	6.47846	5.26764	5.79198	6.37272	6.05999	6.36684	6.74635	6.20071	5.85355	6.79447	5.56185	6.29754	5.96577	6.00628	6.5579
PPP2R2A	6.21356	5.98966	5.70687	5.74152	6.17008	5.97212	6.56002	6.12624	6.05129	5.57414	6.19282	5.48925	6.09333	6.46401	6.05003	6.34464
PPP2R2B	5.91306	6.25347	6.25369	6.30419	6.19068	5.34983	5.56198	6.15753	6.54574	6.38675	7.23499	5.5016	5.96999	6.30648	5.89863	6.42803
PPP2R2C	4.41381	3.9057	4.82189	4.03485	4.10165	4.55446	5.11108	4.86471	5.16102	4.32291	4.62397	4.13607	4.76339	5.9082	4.02162	4.8564
PPP2R2D	5.88242	6.29754	5.94337	6.32349	6.14674	6.37883	4.67186	5.32774	6.69457	6.60418	6.28643	6.57832	4.43372	6.20209	6.29754	6.58884
PPP2R3A	5.46406	4.73535	5.74209	5.06142	4.82671	6.17517	6.14288	6.11524	5.90014	6.62824	5.15143	6.08596	5.86108	5.28385	6.32273	4.84269
PPP2R3C	5.95207	5.54077	6.07137	5.43984	6.35649	6.10253	6.38452	5.24432	6.06407	5.15577	6.25856	4.56192	5.36602	5.86541	5.71644	5.88542
PPP2R4	7.39805	7.18639	6.31515	7.03639	6.3569	7.371	7.16246	6.78926	7.40556	7.52561	7.25701	7.60146	7.29617	7.19009	6.7284	6.93041
PPP2R5A	5.57898	5.55308	5.75211	5.52649	5.61448	5.31136	5.02245	5.62176	5.60149	5.05847	5.11031	5.38784	4.84399	4.67088	4.82307	4.74768
PPP2R5B	6.79746	6.78637	7.06255	6.71426	6.74635	7.38556	6.63674	6.93269	6.93537	7.25954	6.60313	7.20076	6.76951	6.92854	6.6025	6.62048
PPP2R5C	5.89465	6.72663	6.65858	6.85331	6.33063	6.45163	6.33478	6.53507	7.00465	6.69377	6.35256	6.39428	6.19536	5.29681	6.62705	6.41274
PPP2R5D	7.85064	7.9407	7.86216	7.83054	7.35004	7.79416	7.68995	8.05368	7.89329	7.96835	7.22559	7.80998	7.49041	7.94787	7.66453	7.56138
PPP2R5E	7.9074	7.7899	8.37861	8.11503	7.70384	8.16657	8.30299	8.16276	8.38294	8.30405	7.97302	7.25499	8.17734	7.52478	7.92662	7.69422
PPP3CA	8.54398	8.82789	8.79047	8.5739	8.57221	8.58691	7.89777	7.95868	7.86345	9.66911	8.40046	8.22263	8.0442	7.63154	8.94645	8.09933
PPP3CB	8.81879	8.84845	8.60332	8.34076	8.93143	9.13692	8.69402	9.31733	8.8144	9.30916	8.70368	8.05323	9.20282	8.59839	8.99071	8.79448
PPP3CB-.	4.79376	5.06692	5.15653	4.96394	5.09772	4.16955	4.95395	5.69581	4.37922	3.7517	4.03827	4.13729	3.86406	3.9277	4.67745	4.4239
PPP3CC	6.38617	7.03381	7.02199	6.23139	6.12342	6.23151	6.48805	6.72968	7.00304	6.53227	7.09419	6.93269	6.89899	6.54445	6.57865	6.36684
PPP3R1	5.72052	6.04073	5.98662	6.06438	6.08864	6.13777	6.44083	5.99607	6.04656	5.84153	6.55009	5.55753	6.53281	5.81801	6.18419	6.14874
PPP3R2	1.89786	2.50218	1.87545	1.91968	1.38955	2.13797	3.465	2.25774	2.33043	2.18488	2.79648	3.12323	2.28011	2.07474	2.35117	3.14316
PPP4C	7.14191	7.77017	6.82513	6.74577	7.18473	6.1194	5.2563	5.05573	6.54993	6.36458	7.3775	7.36263	6.97745	7.71742	6.3358	7.55846
PPP4R1	10.2145	9.86158	9.10177	9.49437	9.90043	9.35829	10.2195	9.60191	9.93446	9.221	9.55947	9.43955	9.87278	10.1423	9.7543	9.02455
PPP4R1L	4.1175	4.36302	5.22275	4.49127	4.56877	4.40686	4.83635	5.78073	5.16185	3.33573	5.04602	4.64535	4.56413	4.12088	4.29221	4.09469
PPP4R2	6.86436	6.78945	7.0461	7.45198	7.1855	6.78488	6.40266	7.10709	6.67407	6.76392	6.96768	6.25856	6.68462	6.61572	7.18251	7.43728
PPP4R4	3.25961	3.63078	3.65286	4.20397	4.89066	4.05696	4.92884	1.81503	3.96234	3.51881	3.94083	5.09394	5.06815	4.04301	4.17744	3.52848
PPP5C	5.21495	5.58425	5.60069	6.17178	5.89338	5.25573	4.9576	5.86875	5.65526	5.26966	5.52702	5.8076	5.66075	5.38153	5.84835	5.54563
PPP5D1	6.41949	6.24852	6.39845	6.32595	6.27228	6.46228	6.23412	6.64176	6.562	6.75972	6.1677	6.26959	6.78049	6.20022	6.28	6.40898
PPP6C	8.10225	8.26067	8.26381	7.9021	8.59366	8.28067	7.93681	8.67666	8.92258	8.42037	8.49992	7.30736	8.46622	7.94585	8.53336	8.46329
PPP6R1	7.96679	8.06417	7.99341	7.44046	7.39951	7.77279	8.08396	8.15161	7.56512	8.04348	7.79368	7.76072	7.59394	7.65437	7.66076	7.54929
PPP6R2	6.03493	5.43894	4.69896	5.42694	4.85572	5.82616	5.65057	5.57982	5.19674	5.34019	5.66845	5.932	5.8013	5.48455	5.30604	5.34775
PPP6R3	7.38264	6.81351	7.41771	7.1396	7.66537	7.42441	6.46578	7.07769	6.67737	7.42589	7.43016	6.53547	6.67737	7.47747	7.39456	6.56051
PPRC1	6.97472	6.44624	6.94714	7.08393	7.46529	7.72074	7.44059	8.12753	7.27783	6.91547	7.41297	7.89962	6.81119	7.75503	7.65128	7.61185
PPT1	10.9636	10.494	10.2856	10.509	10.3741	10.1334	9.50195	10.5911	11.063	10.3094	10.1917	10.6461	10.5313	9.40267	10.3871	10.3468
PPTC7	6.83716	5.92409	7.56028	6.40793	6.57748	6.8906	6.20022	6.56837	7.06749	6.13485	7.31697	7.37662	7.29287	6.33619	6.68585	7.18371
PPWD1	5.6454	5.7151	4.48882	5.69472	5.42595	6.05086	6.05975	6.09003	6.13042	4.01542	5.11713	5.16217	5.55274	4.61007	5.07404	6.11372

PPY	4.58086	0.79	3.47669	4.47874	2.21727	3.17101	3.63379	2.13755	3.38569	0.47227	3.02585	4.44009	4.98805	5.12155	4.50446	3.66526
PPY2	1.32695	1.09002	0.9957	1.00034	0.75071	1.00765	1.32308	1.04435	0.89896	1.22431	0.81405	1.94688	0.76448	0.8165	1.40126	0.80062
PQBP1	7.04923	7.15716	7.29519	7.36343	7.07946	7.49082	6.94792	6.90541	6.21991	6.8284	6.86908	7.84356	6.93602	7.72821	6.62353	6.88573
PQLC1	5.83892	5.78459	5.76967	5.46755	5.38359	5.34309	5.46952	5.61508	5.51275	5.85696	5.4597	5.39781	5.77903	5.53494	5.09699	5.6494
PQLC2	5.21642	5.22765	4.86331	4.68891	4.50317	4.46646	4.7659	4.43096	5.36187	3.73889	5.64209	5.88216	4.80177	5.7102	4.58384	4.73627
PQLC3	5.4553	5.88481	6.13317	5.78145	5.45816	5.63813	4.8391	5.37281	5.95685	5.56236	5.57119	5.17906	5.30736	4.69157	5.28791	4.74803
PRAC1	5.89078	4.45523	5.52187	5.78328	5.00713	5.01511	5.75211	5.74316	5.60018	5.37429	4.83353	5.48686	5.54416	5.67243	5.78757	5.09318
PRADC1	7.48312	6.46809	6.44309	7.06297	6.32792	5.43316	6.45517	4.22833	5.64719	8.03957	7.31389	7.57786	7.0893	6.08363	6.5943	3.53602
PRAF2	5.23193	5.31582	4.51085	3.78412	5.86972	3.41719	3.68625	5.27601	5.21228	5.90223	3.45096	4.57214	3.9262	3.54384	6.33213	4.1998
PRAM1	2.44059	2.69344	2.91679	2.12186	3.2065	3.57327	4.85299	2.52957	3.74437	2.5437	5.69186	4.78986	2.26476	1.84505	2.1886	2.7492
PRAME	2.40819	2.69344	2.46272	3.08274	3.35289	1.95254	3.77935	3.0481	4.79613	2.63576	3.49378	3.21231	3.00618	3.54384	3.27847	3.78507
PRAMEF	5.9649	6.73353	5.93612	5.88893	6.04735	5.95178	6.03144	6.60271	6.18254	5.94565	6.09397	5.96143	5.60685	6.01167	5.50576	6.05897
PRAMEF	6.05497	4.89718	5.8105	4.88519	6.48536	4.98736	4.6631	5.27601	5.79752	3.65408	5.14155	4.66991	5.08115	4.19488	5.8075	4.07967
PRAMEF	6.54966	7.39312	7.15432	7.3775	6.8873	7.41978	6.89597	7.23174	6.60618	7.09987	6.91061	7.41008	7.66453	7.28003	7.27416	7.35231
PRAP1	6.14693	4.54463	3.56906	4.34751	4.27362	5.4297	4.06264	4.65546	4.38384	4.595	4.64863	4.36401	4.44582	7.34444	4.41729	5.67713
PRB1	6.84402	7.21428	6.77308	7.18918	6.68807	6.30196	6.64925	7.7785	6.81398	8.59625	6.89817	7.46068	6.82274	6.15232	7.32679	7.05524
PRB3	8.46688	7.46847	7.47747	7.87198	7.1821	7.64985	7.8612	7.59265	7.20332	9.36057	7.62972	8.13632	7.87675	7.72056	7.12749	7.51264
PRB4	6.49139	3.81549	4.26508	4.2727	4.29721	4.17971	3.20323	4.44194	4.09292	8.92659	5.01746	4.29721	4.65932	3.82047	4.19913	4.33222
PRC1	6.60169	7.9514	7.50062	5.99734	8.57084	7.93633	9.5293	8.50194	8.68153	6.27668	8.62008	7.62309	8.78995	8.65782	8.78798	9.4359
PRCC	6.57289	6.91071	6.59933	6.93439	7.5514	6.85727	6.30868	6.42707	6.39306	6.62128	7.06297	7.28019	6.63787	6.88173	7.22593	7.154
PRCD	6.0554	5.63003	6.09844	6.10253	5.50757	4.63277	5.48792	6.44845	6.39176	5.49591	5.87747	6.36077	5.77127	5.92786	5.48005	5.81078
PRCP	5.08531	4.65655	5.61554	4.19411	4.95564	5.07599	4.88894	4.41131	5.39594	4.95609	5.92839	4.77076	5.97118	4.57021	5.81553	5.25191
PRDM1	5.29733	6.8955	7.78783	7.64749	7.43728	7.78755	7.36252	7.76184	7.72534	6.75136	7.64286	7.57081	6.64925	7.27163	6.90567	6.57044
PRDM10	6.28889	6.3827	6.14618	6.9069	7.08476	6.67073	6.63642	6.23594	6.2539	6.38857	5.94649	6.07413	6.34587	6.57122	5.61012	6.38241
PRDM11	4.47351	4.5785	4.46039	4.58988	4.77355	5.02925	4.35308	4.75104	4.4107	4.79767	4.89504	4.09143	5.0097	4.61145	4.94543	4.66168
PRDM12	5.97772	6.38623	5.92492	5.95408	5.11666	6.16481	6.65267	6.80876	6.35089	6.15194	6.35993	6.43229	5.27588	6.07154	6.16815	6.62122
PRDM13	4.0622	5.05415	5.14777	5.69175	4.74792	4.84871	5.71572	4.34817	5.12838	5.58409	4.89326	5.1725	4.45382	5.55932	3.25706	5.86266
PRDM14	6.46724	6.69739	6.95677	6.25347	5.07153	6.62257	5.46734	6.54134	6.17628	5.94565	6.40207	5.99129	4.44582	5.05858	5.97678	4.9875
PRDM15	5.67796	5.52883	5.6454	5.53761	5.45098	5.4555	5.38331	5.74994	5.4303	5.76173	5.33258	6.30196	5.65251	5.67796	5.5803	5.82205
PRDM16	5.62236	5.52496	5.49899	5.43322	5.37873	6.05504	5.56963	6.41254	5.53967	6.07898	4.90154	5.49323	5.10549	5.14307	4.80261	5.46554
PRDM2	5.97509	5.83509	6.22158	5.88301	6.75832	5.59	6.545	6.17461	6.00628	5.67998	6.16792	6.40695	5.73103	6.33597	6.03446	6.2126
PRDM4	7.20233	6.61504	7.47372	6.97717	7.87706	7.60269	8.09982	8.16124	7.7017	7.5063	7.38424	7.09387	7.32054	8.36651	8.12509	7.51761
PRDM5	3.52053	4.41747	4.29049	3.18458	3.11783	3.34753	3.36359	3.48226	3.58874	5.52649	3.35015	4.31871	3.8455	3.31831	4.33068	3.5702
PRDM6	4.76709	6.18119	5.83707	5.33796	4.69815	6.01341	5.35208	4.75855	4.90779	5.94649	4.95264	5.64638	4.96208	5.79739	6.03682	7.22787
PRDM7	2.47437	2.77081	2.99564	3.1994	2.85371	2.65434	3.39293	3.43351	3.46459	2.88148	2.54194	4.11653	2.2085	2.74868	3.04901	3.13394

PRDM8	5.13872	4.39732	4.97683	4.48388	4.71759	4.28339	4.21976	5.03644	4.28339	4.4442	4.27128	3.87518	4.24304	5.2325	3.99662	4.43979
PRDM9	3.73406	5.64822	4.76219	4.32526	5.47252	5.13024	4.14005	6.51043	4.47552	4.06894	4.52964	4.87924	4.42745	3.6144	4.28189	5.13421
PRDX1	11.4854	11.3034	10.9018	11.6343	10.6304	10.545	10.6461	9.99653	10.4743	10.2452	11.3656	9.62568	10.9586	11.1275	10.6031	10.398
PRDX2	6.86618	7.59076	6.70492	6.29011	7.30409	7.43046	7.98311	6.53264	6.93183	7.10709	6.6798	6.34052	7.26483	8.43726	7.22958	7.78755
PRDX3	8.18689	8.20911	8.37378	8.39024	8.2149	8.06678	7.83845	8.58624	8.50865	8.38627	8.53248	7.76924	8.32872	7.66306	8.19658	8.44632
PRDX4	10.0919	10.7308	11.5923	10.9359	10.0518	10.4068	10.2283	11.0674	10.3441	11.2756	10.3635	11.4424	10.5789	10.3399	10.4836	10.269
PRDX5	11.9018	10.8668	9.94429	11.3844	9.33414	10.3399	9.89772	7.94114	9.45824	10.8431	10.5789	11.2278	10.1021	11.25	9.10997	9.14095
PRDX6	10.5345	9.97305	9.22273	9.72748	9.88457	9.34108	9.85557	10.0029	10.0444	9.77389	9.88284	8.79695	10.6494	9.96657	9.71435	10.8054
PREB	7.71993	8.11737	8.32089	7.87079	7.85571	7.38837	8.16657	8.68017	8.67368	8.63124	7.77814	8.85361	8.03799	7.98057	7.72159	8.06128
PRELID1	8.79858	9.9611	9.50044	9.37612	8.88182	9.23091	9.75979	9.91148	9.47426	9.67089	10.6607	9.19307	10.1061	9.68889	10.0756	9.93674
PRELID2	4.86562	5.19152	5.14928	4.66192	6.25856	5.82837	6.19263	5.34266	5.25098	4.9796	5.03573	5.0747	6.93357	5.68265	6.01665	4.24814
PRELP	6.20022	6.01991	7.64368	6.87829	7.25345	6.84862	7.93177	9.52648	6.21634	6.17362	5.61631	6.3978	5.42382	6.46662	6.33967	6.55951
PREP	6.45541	6.6655	6.75209	7.12512	6.75751	6.61706	6.32149	5.87747	6.73115	6.78161	7.15152	6.0156	6.43173	6.49365	6.41007	6.29404
PREPL	6.5305	5.78941	6.0189	6.1994	6.26814	5.41101	6.70688	6.57513	5.68058	6.6672	5.93974	5.44574	6.16976	6.4495	6.00649	6.27213
PREX1	6.59011	7.53069	7.1002	7.27872	6.64604	7.2798	6.35895	6.75886	7.06102	6.27322	7.56828	7.43992	7.32307	6.89412	6.82575	6.87096
PREX2	5.39225	4.8611	5.20552	4.93804	4.78762	5.13649	5.32805	5.16359	4.5792	5.43048	4.83068	3.44341	4.58428	4.664	4.7795	4.11388
PRF1	6.85663	7.05953	7.62838	7.24292	7.46283	7.40123	7.72919	8.50865	8.37645	6.63361	9.62902	8.22674	7.62638	6.7602	7.40742	7.00902
PRG2	3.99584	4.14078	3.88236	3.94629	4.01874	3.8966	4.12999	4.17171	4.07916	3.90306	4.16718	4.25792	4.16937	4.13014	4.04773	3.7297
PRG3	3.75698	5.40205	4.44205	5.8045	5.85003	5.67691	5.96527	6.20535	4.16584	6.41859	5.73322	5.84112	3.73495	3.8419	5.79671	6.58631
PRG4	1.44194	2.21392	5.42031	1.444	5.0499	1.42001	4.54584	2.52957	1.87545	3.66644	3.30436	4.71689	3.17825	5.22492	2.63378	4.31542
PRICKLE	6.53395	6.52006	6.24655	6.28422	6.72393	6.47043	5.71805	6.09697	6.21452	7.22985	5.56916	6.23163	4.83812	5.0929	6.75832	5.90223
PRICKLE	6.35366	5.79497	6.09043	6.75602	6.06551	6.48699	6.57036	6.56557	6.16838	7.72349	6.12515	5.30548	6.42124	6.29144	6.85248	6.30843
PRICKLE	5.4983	4.87197	4.47847	5.02826	2.79083	3.45096	4.96563	5.47965	4.60738	5.56444	4.58758	4.89553	5.39578	5.06524	3.33112	3.01871
PRICKLE	5.46677	5.51937	5.79533	5.36992	5.3979	5.29139	5.28718	5.24358	5.39807	5.37429	5.42215	6.29102	5.72346	5.64502	5.73768	4.48935
PRIM1	6.93258	7.36476	6.14165	7.19827	8.03983	6.92227	7.82492	8.55896	7.54819	6.19774	8.02774	7.16051	7.92999	8.11615	7.78315	8.59024
PRIM2	6.00821	6.50922	5.74014	5.5524	6.13735	6.36778	6.9948	5.78152	6.32278	5.44823	6.70511	5.63434	6.68791	6.44417	6.19518	6.50827
PRIMA1	7.1585	6.74325	6.92489	6.49089	6.85993	7.92161	7.5565	6.45798	7.12147	8.66327	6.39317	7.46488	7.18439	7.08656	7.73862	6.39033
PRIMPOI	6.6607	6.51218	7.30554	7.3161	7.95464	7.15975	6.65474	7.06419	6.95611	7.13623	6.77902	6.74406	7.58461	7.33098	6.96135	6.92002
PRKAA1	6.39528	5.86958	6.16356	5.67908	6.19553	6.67336	5.97095	6.44484	5.65385	6.29614	6.06266	5.78774	6.02272	5.90377	6.0605	5.73966
PRKAA2	6.34587	5.64185	5.67812	5.83789	3.63369	2.73769	4.70821	3.69577	4.61765	5.80414	3.32235	3.61127	3.58662	3.49599	3.54848	4.46011
PRKAB1	6.14165	6.28271	5.98878	5.12258	6.34383	5.82226	5.36187	5.71442	6.96469	6.33207	5.467	5.39096	6.31624	6.43834	5.80973	5.33652
PRKAB2	6.80762	6.71343	6.94586	6.64301	6.5302	6.57598	7.24756	6.84293	6.88215	7.22787	6.60271	6.31363	6.71502	6.35184	6.64794	7.21396
PRKACA	5.61533	5.77873	5.91721	5.33349	5.96484	5.4895	5.28927	7.11246	5.61993	5.81684	5.91691	7.15825	6.75295	5.68092	5.74749	5.6694
PRKACB	6.67266	7.20587	7.23024	7.26814	7.12112	6.9564	6.28982	6.99272	6.74635	6.51066	6.94474	6.38407	6.69613	6.1016	6.01522	5.88995
PRKACG	7.46816	6.51218	6.99123	7.23612	7.11951	6.96924	6.75064	6.23507	7.50612	7.24555	6.6374	5.47492	6.87974	6.45261	7.07787	6.803

PRKAG1	8.0913	8.57084	8.0875	8.23743	8.07707	7.94437	6.21098	6.49559	7.57423	8.26232	7.80604	8.75288	7.91926	8.46227	8.15007	8.04685
PRKAG2	5.53829	5.36761	5.63395	5.60753	5.48818	5.39524	5.5763	5.77073	4.70118	5.87779	5.33742	5.14525	5.61448	5.47786	5.43118	5.28385
PRKAG2	6.37253	5.15007	5.97187	5.85594	5.78258	5.45881	6.36767	5.62286	4.85855	5.91026	4.48662	5.83166	6.26566	5.77214	6.83419	6.92873
PRKAG3	5.40326	5.48547	5.49251	5.93903	5.69601	5.95608	6.11311	5.65251	5.93916	6.12195	5.96549	5.34266	6.06109	5.60866	5.90124	6.10582
PRKAR1	8.55202	7.80622	8.50717	8.39534	7.77398	8.28729	7.78225	7.45339	8.15909	8.46765	8.42204	7.61626	7.5808	7.79463	7.8819	7.33082
PRKAR1	4.44138	4.90091	4.61047	4.48338	5.68265	4.13002	4.70184	5.39763	5.62801	5.78337	5.52175	5.75322	4.83092	5.71886	4.73212	4.44582
PRKAR2	7.83558	7.39935	6.64006	7.79591	7.13591	7.51529	7.92662	7.87748	7.53386	7.68599	7.42833	7.21675	6.91353	7.01498	7.29117	7.22958
PRKAR2	6.29126	6.56664	7.07869	7.12006	9.27873	8.96148	5.26131	7.15837	7.04587	7.20266	7.01519	6.59402	6.66317	6.45428	7.83583	8.01894
PRKCA	4.46917	4.77762	4.65006	4.68457	3.93299	4.42178	4.24814	4.26239	5.0464	5.00608	4.71779	4.71618	4.51964	4.41255	4.95161	4.34817
PRKCB	5.25191	6.30778	6.40841	6.39601	5.86835	5.95087	5.30604	5.43322	5.59856	5.16837	5.38153	5.8792	5.41589	4.85891	5.88528	5.92786
PRKCD	6.32883	3.60842	6.11483	5.90386	4.26628	3.18781	2.53476	2.93245	4.96412	5.45776	6.32323	4.12427	3.10377	4.98359	3.01721	4.00732
PRKCDB	6.45334	5.99556	6.90134	6.26714	4.25669	6.05436	7.01967	4.77096	4.77313	6.97754	7.36993	9.04511	6.11583	4.72987	6.37421	6.10582
PRKCE	3.66452	5.1964	3.6301	4.33365	3.31287	3.14316	3.41557	4.1422	3.45724	3.14636	4.94613	4.05696	3.59691	4.24673	4.04247	5.04544
PRKCG	4.1611	3.44785	3.78054	4.11832	3.75859	4.66492	4.3919	3.88013	4.65754	4.12557	3.46064	3.74839	4.41516	3.71713	4.92065	3.89149
PRKCH	4.21884	4.98558	5.42824	5.17583	5.67778	5.48664	4.97295	5.14845	5.88481	5.19806	6.18358	5.78159	5.43048	5.10007	5.60943	5.44477
PRKCI	5.77343	6.26341	5.75151	6.06266	5.96291	5.55115	6.05051	5.8673	6.54672	6.4969	6.04073	4.85833	5.76449	5.68906	5.483	6.23007
PRKCQ	6.06799	7.28855	7.01656	7.34402	7.19373	7.03026	6.61097	7.28003	7.26997	6.02159	7.04081	7.29957	7.22296	6.27692	7.14896	7.11075
PRKCQ-	5.05068	5.87114	4.83417	5.67397	5.64345	5.59883	4.35178	6.06845	5.37172	4.64303	5.82793	5.92597	6.05903	4.84092	5.04296	5.53003
PRKCSH	6.52278	6.75832	6.94323	6.69348	6.8502	6.43909	6.63953	6.91272	7.34748	7.15825	6.06544	6.9573	6.74515	7.27438	6.9514	6.86529
PRKCZ	8.85361	8.47782	7.05409	7.29311	6.08731	6.76629	7.60248	7.21986	7.69369	8.45232	7.29756	8.37262	7.9532	7.56138	7.29064	7.69819
PRKD1	4.31151	4.27689	4.27794	4.45111	4.59373	4.16905	6.05707	3.98812	5.33606	4.95192	4.42363	5.30847	4.03869	3.94495	4.29189	4.46592
PRKD2	7.70895	8.09465	8.35311	7.92449	7.40969	7.82655	7.84487	7.85599	8.02662	8.04178	7.65128	8.70149	7.50734	7.73538	7.62214	7.62838
PRKD3	3.99184	3.89439	5.39781	4.22631	4.5785	4.2492	4.05632	3.95717	3.6899	4.55731	4.2792	3.8488	3.92468	4.25972	4.13154	3.58161
PRKDC	4.62196	4.35515	3.93142	4.41908	5.70437	4.20655	5.31934	4.71816	5.93403	4.6209	4.85434	4.08394	3.99352	4.39858	5.00549	5.57261
PRKG1	4.19514	2.64768	3.42726	3.92524	3.49069	4.13219	3.23083	3.05368	3.58027	3.66359	3.364	3.31223	3.4102	3.17475	3.91052	2.78067
PRKG1-	2.34348	2.46272	1.73976	1.16965	1.11444	2.24655	3.70182	2.81438	1.53958	2.23712	2.34474	2.61134	1.82475	2.31516	2.63378	1.45205
PRKG2	6.67837	6.21089	6.07023	6.93183	5.46569	5.96127	6.9801	7.42409	6.68462	7.11898	6.23371	6.608	6.38823	6.73228	6.9154	6.38299
PRKRA	6.30834	6.32149	6.85564	6.8181	4.64638	6.41685	6.54823	5.01451	5.47673	6.51546	6.2284	6.23931	6.61915	6.36004	6.37737	6.43304
PRKRIR	9.21885	9.84118	9.86158	9.89146	9.99282	9.1743	9.12925	8.86754	9.46931	8.93143	9.50452	9.47897	9.41373	9.01134	9.0587	9.47426
PRKX	6.65541	7.37359	7.48402	7.60767	8.22174	8.11404	6.97736	6.72816	7.76709	7.08361	7.72243	7.05397	7.37382	7.34526	7.87018	7.20587
PRKXP1	5.48534	5.32967	4.91247	6.09093	6.48794	5.20628	4.86214	6.74102	5.40915	6.24943	5.66671	5.02484	5.21413	6.1861	5.05869	5.52089
PRKY	6.93789	7.16948	7.48213	5.89493	7.62912	7.63966	7.11689	6.62481	6.69926	7.31858	7.3192	6.58393	6.25397	7.14075	7.36484	8.06308
PRL	5.03573	3.00618	3.09945	4.71865	4.55455	5.36454	5.53505	4.87281	4.66437	4.62434	6.26824	4.95423	5.55954	4.90583	5.49854	5.5419
PRLH	6.12164	6.22609	6.72166	5.48503	5.46569	5.59785	5.81987	6.21452	5.07244	5.99921	3.33935	5.45382	5.94565	5.97437	5.2998	6.29645
PRLHR	5.37529	3.16637	3.16713	2.06899	2.94105	2.65434	2.90726	2.98628	4.57006	2.66614	5.01746	3.45239	1.4697	5.27844	2.26702	4.1998

PRLR	5.76856	4.27794	5.13064	4.45382	4.9984	4.98524	5.85003	5.85541	5.35566	5.53362	5.33851	4.86655	5.59022	5.59554	5.4555	5.32288
PRM1	6.39626	6.27768	5.74014	6.49221	5.96135	5.74383	6.05549	7.09122	5.93916	7.24855	6.1613	6.37855	6.24425	6.49455	5.76895	6.45994
PRM2	3.64066	2.77081	3.77106	2.25844	4.08624	3.72561	3.49217	3.60236	2.53538	2.47565	2.56627	3.51602	1.93701	3.6977	3.27847	3.6935
PRM3	6.09691	6.34505	6.29102	6.44172	5.3139	5.99514	3.82687	5.50242	5.60018	6.37606	5.68102	6.05484	5.74166	5.31833	6.31502	5.55587
PRMT1	5.1106	6.38216	6.46249	7.30766	6.79912	6.24479	6.44513	5.63936	5.84601	5.78774	6.66349	6.77322	6.7969	7.7196	6.69863	6.56543
PRMT2	7.1198	6.85041	7.4156	7.3786	6.75972	7.13648	6.75209	7.04952	7.13673	7.17913	6.97525	7.5369	6.54712	6.9925	7.21091	7.13648
PRMT3	7.16026	7.37359	6.98593	7.50877	8.48187	8.38687	9.05155	8.52058	7.62346	6.82394	8.28309	7.0208	8.18643	8.34385	8.34622	8.88585
PRMT5	7.08047	6.8181	6.83876	7.11036	7.83976	7.02137	6.92524	7.89992	7.75071	7.31362	8.24153	7.78783	8.11669	6.98553	7.12429	7.92598
PRMT5-A	5.54724	3.03524	3.77762	4.67707	3.64173	5.1341	4.67019	5.28972	3.9348	5.22191	5.20259	5.59616	5.47507	5.15309	5.37466	3.98976
PRMT6	6.56853	6.7638	6.56886	5.95153	7.68174	5.64899	6.53623	5.63251	5.54563	5.99161	6.71827	6.46771	7.03897	6.39672	6.89723	7.48101
PRMT7	6.77466	4.38909	3.88236	4.02962	3.9949	3.32048	3.90378	3.08616	3.8429	4.04734	4.32782	4.24374	4.09292	5.3792	3.68625	4.25148
PRMT8	5.4816	5.98416	5.78123	4.93282	5.64638	5.16975	5.52355	4.98831	5.10272	5.92522	3.7924	4.9001	4.88552	5.70221	5.81021	5.61052
PRMT9	7.02968	5.81135	6.97472	6.52222	7.80515	6.81839	6.46946	7.24729	6.71451	6.84064	6.85834	5.92734	6.29651	7.4124	7.3755	7.45236
PRND	4.13837	4.85258	4.22224	4.72309	4.76537	5.41209	4.85971	4.74517	5.52025	3.80262	4.50197	5.84269	4.73428	4.50274	4.93738	4.36033
PRNP	8.21644	8.42675	8.81129	8.65638	8.69304	8.65974	8.91763	8.84953	8.6144	9.10357	8.26067	9.04992	8.56669	8.60718	8.93865	8.13873
PRNT	5.88704	5.43309	5.50588	4.90452	5.77051	5.83323	6.2519	5.78152	5.63875	5.20755	4.48301	5.80388	5.70553	5.77688	4.29394	5.68746
PRO0471	1.74742	1.09002	4.32665	4.31296	1.42806	0.61335	1.122	2.2672	1.18021	2.15841	3.91647	0.46592	2.04398	2.65463	1.55502	2.4155
PRO1082	5.00441	5.73158	6.13206	5.46207	6.06373	6.20767	6.11311	6.63658	5.22283	7.17933	6.07381	5.73718	6.73301	6.37445	5.20755	5.80493
PRO1483	2.13523	4.37518	5.09503	4.34058	4.27362	3.91828	5.62801	2.43067	2.18568	5.57193	3.64434	3.61408	2.34547	2.79431	4.78568	4.66581
PRO1596	5.40753	5.17869	6.08068	5.92848	6.0437	5.21505	5.57489	4.63743	6.493	5.19273	5.8694	5.71898	6.21022	5.06524	5.21941	5.62406
PRO1804	2.81334	6.35534	3.04356	5.68888	5.82627	5.9972	3.70182	5.80439	5.55208	5.59567	5.48278	5.93115	4.60738	5.77414	5.73121	5.15109
PRO2012	3.56191	2.21392	4.09823	2.95827	3.24511	4.23809	3.31153	3.27157	2.58986	4.31978	5.02177	4.73947	4.39532	3.44975	4.79462	2.61375
PRO2214	4.03381	5.34336	4.10188	5.56929	4.24394	3.55752	5.72016	4.64822	4.27794	5.22546	5.46335	5.05918	5.11677	5.61104	4.80663	4.45895
PRO2852	5.65893	6.45101	7.62654	6.84306	6.67328	6.72968	7.05075	6.01092	6.43807	6.98862	7.14246	6.62122	6.31284	6.92136	6.56058	6.36638
PRO2949	4.1611	3.92436	4.3447	3.70305	3.71194	5.00457	4.11388	4.55761	4.65737	4.80528	4.33153	5.18956	4.98443	4.53215	3.91828	4.26068
PRO2958	4.12999	4.31399	2.39414	4.33153	2.33881	3.81413	4.84572	4.47773	1.81152	3.66644	4.13909	2.97562	0.6691	3.26302	0.61335	4.24336
PRO2964	5.01394	4.95465	4.82281	4.40668	5.21916	5.11891	5.22236	4.78229	4.34561	4.66895	5.10716	5.57353	4.8922	5.06976	5.15143	4.56255
PROC	6.16827	5.89502	5.76565	6.12617	2.89774	6.32028	6.27516	5.08644	3.04535	2.75002	3.0131	4.79894	3.17825	6.381	4.86513	2.38828
PROCA1	6.22849	5.07535	5.84019	5.56523	5.25191	5.45483	5.14097	6.40279	4.65478	5.49578	6.129	5.25618	5.17906	5.70847	5.04051	5.52747
PROCR	4.71106	7.06652	7.82162	7.03561	6.49429	7.61729	7.16995	7.73205	6.64819	7.13623	8.22174	7.31725	6.30041	7.19136	7.18187	6.43526
PRODH2	7.07869	6.97577	6.63165	6.64819	6.57255	7.24395	6.4043	7.55817	6.46888	6.78637	6.75013	5.9748	7.1885	7.24828	5.72892	7.28385
PROK1	3.69182	4.30874	4.6173	5.00785	4.45424	4.89066	4.12999	3.70769	3.25201	4.06894	3.82034	5.21937	3.85528	4.29638	4.19275	3.85415
PROK2	3.59987	4.13063	3.38079	2.55745	4.85056	3.0658	4.23557	4.94996	4.2082	4.46917	2.77081	4.30571	4.0405	5.83775	4.16718	4.65881
PROKR2	5.34559	5.87662	4.77797	6.14599	4.97974	5.58627	4.15069	5.39962	4.65881	5.79159	5.53911	5.54883	5.39578	6.18489	4.62974	5.72006
PROL1	6.04406	6.04946	6.32366	5.96025	6.40806	6.14618	5.74842	5.80698	5.97427	6.54223	5.89465	6.27203	5.82322	6.02588	6.12201	5.93552

PROM1	9.70802	7.98688	6.62128	7.67213	5.32934	6.5777	5.19716	5.94393	8.58514	11.1658	4.26713	6.88265	6.00448	5.21128	5.28144	4.7575
PROM2	5.73024	5.83707	5.39676	6.0437	5.1836	5.21219	5.70032	6.10912	5.42251	5.84122	5.83219	5.69964	5.24821	5.79101	5.91749	5.76967
PROP1	5.66575	3.23142	4.74151	5.77843	3.88843	4.19473	5.06115	3.99573	4.44708	5.38528	5.18643	5.68015	5.57129	4.48643	5.48965	4.04011
PRORSD	5.96035	6.29484	4.01284	6.05854	5.90243	4.67381	4.01749	4.00856	5.45694	5.46237	6.22626	4.16089	3.61424	5.15309	3.68625	6.64176
PRORY	3.9591	2.55772	3.53502	3.48474	2.50418	3.13279	3.70182	2.95859	3.27349	2.75002	2.98436	3.64264	3.55868	3.44975	2.70965	2.94176
PROS1	9.46931	7.6668	8.22515	9.4722	7.07295	7.96835	7.45408	6.76762	7.06405	8.48429	7.5677	7.38024	5.89071	5.52482	6.8721	6.1809
PROSC	4.86491	4.71077	4.20938	4.36824	4.22923	4.57233	4.40839	4.36458	4.11235	5.12946	4.51181	4.30115	4.50783	4.56898	4.46077	4.68671
PROSER1	6.49089	6.13336	7.0195	6.83112	7.07656	6.85903	7.64589	7.1641	6.99749	6.96182	7.40742	5.88481	6.84334	7.4156	7.37469	7.1078
PROSER2	7.36343	7.39425	6.8966	7.28911	6.92712	6.50721	8.8844	7.56947	6.77263	6.97093	7.22892	6.45143	5.73303	7.61901	6.86345	6.98472
PROSER3	6.4483	5.5118	6.03515	5.74475	5.60857	5.87434	5.9871	5.97095	5.75467	6.11493	4.94242	5.05998	5.93181	6.1383	4.67276	6.09003
PROSER3	5.84879	4.98786	4.23734	5.82281	5.78351	5.93703	5.58425	6.17043	4.87682	5.21128	4.90301	4.30268	5.40915	5.73546	5.96515	4.77905
PROX1	4.74007	4.29278	5.22442	5.31323	3.85758	4.62693	4.74183	4.89932	4.74678	4.71816	4.64211	5.59435	6.03205	5.01553	4.93158	5.53338
PROX1-A	0.90643	1.16965	1.32681	0.90097	1.42806	1.26539	1.18021	0.76448	1.1038	1.28097	1.1038	1.122	0.76448	1.1104	1.35876	1.0625
PROX2	3.56191	2.8813	2.55526	1.55195	4.39851	2.58692	2.83966	2.70064	4.01633	2.95492	1.26375	2.53152	3.66589	2.51368	4.026	4.46917
PROZ	3.89772	3.19069	3.31271	3.46996	3.73869	5.31609	4.935	4.93717	4.78164	4.29458	5.71676	2.31832	3.60262	3.41704	5.24336	4.74345
PRPF18	4.77797	5.43465	4.83215	5.54615	4.73535	4.98558	5.46878	5.48325	5.40426	5.00304	5.32985	4.56297	5.37249	4.98037	4.84092	4.75238
PRPF19	8.13908	7.99865	8.06728	8.4593	7.45787	9.13351	9.33149	7.58232	7.07159	7.48326	8.46688	9.99098	7.65639	8.40568	7.16778	7.60189
PRPF3	7.93267	8.00005	8.32414	7.91244	8.7622	8.59024	8.80685	8.60425	8.59662	8.11471	8.63551	8.33034	7.85877	7.82748	8.36086	8.32521
PRPF31	4.65478	4.94892	5.09722	4.9244	5.01906	5.12406	4.34392	5.07937	4.70793	4.6923	5.33811	5.08694	4.83068	5.05327	5.49101	4.78908
PRPF38A	7.79351	7.69258	8.15692	8.10408	7.94301	8.14368	8.06968	7.89722	7.69422	7.47555	7.83226	7.50417	7.77998	7.95757	7.8597	8.13158
PRPF38B	8.18148	7.62696	8.63776	7.88778	6.99217	8.20175	8.02589	7.36657	7.84768	7.49699	8.00923	8.19911	7.84964	7.27573	7.81607	7.58784
PRPF39	7.09987	6.1916	6.91633	6.07849	7.44942	6.57554	7.0936	6.89441	6.86689	6.86669	7.23795	6.12279	6.78161	6.40786	7.08941	7.16026
PRPF4	4.85307	5.29878	4.64364	5.0694	5.8995	5.19203	5.49629	5.45118	5.65971	4.52549	5.70671	6.49246	5.77051	5.16906	5.39676	5.9171
PRPF40A	7.29046	7.18574	7.30705	7.18639	7.47865	7.60493	8.16934	7.28713	7.43728	6.7551	7.34773	7.14383	7.40969	7.66951	7.89111	7.84852
PRPF40B	4.18547	3.86261	3.65613	3.76038	3.55491	3.8966	2.8619	2.98628	4.2082	3.85542	5.64806	3.03309	4.33163	4.51021	3.57849	3.58879
PRPF4B	7.56278	6.95299	7.73791	7.62696	8.04125	6.68807	6.26766	6.54781	7.18675	7.46327	7.87861	6.90303	7.11527	6.51291	7.69546	7.13935
PRPF6	5.6892	6.83799	5.58501	7.01269	6.66787	6.75544	5.94774	6.98163	6.25405	6.57174	5.7874	6.06384	6.04916	7.35212	6.75866	6.48183
PRPF8	8.21932	8.22834	7.85138	7.73849	7.95881	8.9826	7.86229	8.38967	8.32213	8.04077	8.05986	8.28836	8.08201	8.73312	8.43956	8.17272
PRPH	5.34118	3.46411	4.91796	6.36695	4.94013	5.56856	5.35566	3.79039	4.59837	6.56491	4.59792	6.30374	5.06106	5.01656	5.47388	6.19467
PRPH2	5.56883	5.90543	6.35993	5.61264	5.92409	6.28689	5.17316	5.3451	5.63875	6.49114	5.51991	5.87483	6.03398	4.52704	5.75452	5.63664
PRPS1	7.59679	7.64499	7.62995	8.05612	7.2924	7.36476	7.69278	7.7621	7.33233	7.8012	8.50367	7.74091	7.53155	7.5383	7.03494	7.3061
PRPS1L1	6.34155	4.97582	5.28144	5.36713	5.48441	5.79169	5.69946	6.14174	5.0435	5.99457	5.6694	5.7079	4.23895	5.62801	3.16274	6.14635
PRPS2	7.36252	8.5739	8.33649	8.98666	8.28436	8.97654	9.17857	6.84334	8.82067	7.02771	7.80556	7.55633	8.137	6.59208	7.10136	7.32824
PRPSAP1	7.60365	7.52301	7.22613	7.61809	8.01367	7.69081	7.94402	7.77186	7.73468	8.51154	7.75334	7.04198	7.60818	7.93251	7.67409	7.39688
PRPSAP2	8.09982	8.32213	8.37711	8.80836	8.85032	8.53248	7.76286	8.5744	7.87691	8.04847	8.22781	8.27087	8.75665	8.80228	8.86928	8.32414

PRR11	8.61099	9.05644	9.6978	8.5017	8.5825	9.39515	10.7518	9.76219	9.36239	8.59276	9.43414	9.32203	9.13351	9.12237	9.37478	8.88182
PRR12	5.67016	4.67521	6.70524	6.10352	4.88265	7.11065	7.15323	7.19596	7.24306	5.71898	4.76672	4.81149	6.65704	6.49681	5.9813	5.77838
PRR13	8.45057	8.81505	8.51015	9.00742	8.89519	8.8558	8.26134	9.16584	9.51037	8.71707	9.14361	8.46358	8.82696	8.83393	8.71883	8.65925
PRR14	6.63642	6.3009	5.50521	6.20735	5.65306	6.95994	6.24242	5.66719	6.21045	6.81622	6.4495	6.00481	5.92381	6.02045	6.36658	6.34906
PRR14L	5.48379	5.74555	6.03898	6.02379	5.65765	6.09492	5.78287	5.94119	5.95144	6.06428	5.25786	5.88924	5.69638	5.80545	5.36964	5.92025
PRR15	8.97353	7.78519	6.28291	7.75916	5.0626	5.10495	4.53887	4.04879	5.27471	5.81071	2.93839	4.87924	3.30026	5.4694	3.80883	6.71204
PRR15L	7.61351	5.42215	5.9373	7.11849	5.69831	4.92674	6.79806	5.81871	7.55964	8.03352	5.97954	5.20401	5.94021	6.75107	5.89237	5.77375
PRR16	3.60386	2.82798	4.32957	4.51056	4.88534	4.87251	3.89698	5.00749	5.12665	3.9057	6.25165	4.64006	4.58796	3.72332	4.48301	4.87799
PRR18	10.0552	7.56618	6.9261	8.42938	6.63752	6.46718	6.56778	6.87168	6.90596	7.05993	6.06626	6.94612	6.67065	7.61336	6.18897	6.88646
PRR19	5.92582	3.71031	5.10579	3.93679	5.14982	5.84889	5.70189	6.27613	2.95663	4.96132	5.48642	3.68084	5.04222	5.33833	3.6535	5.37077
PRR22	4.70445	4.09346	3.82524	3.81369	4.84817	4.32106	4.82391	3.837	4.35078	4.40518	4.64244	4.78238	5.5809	3.56885	4.69835	4.08804
PRR24	8.02942	7.95514	7.28385	7.6702	7.32345	8.17578	7.74898	7.65572	8.34481	8.45757	7.86922	8.87611	7.74711	7.41422	7.48154	7.20169
PRR26	4.82189	4.39023	4.73261	4.99931	4.1032	5.18206	4.05776	4.35456	4.20397	4.73716	3.50907	4.95325	4.33587	5.83196	3.91753	4.29278
PRR29	8.81366	8.34289	7.01469	8.63421	5.52419	7.13546	7.02388	6.65137	7.45108	7.31625	6.50281	7.33828	7.17188	7.22877	7.10181	6.84461
PRR3	3.76841	3.58335	3.81385	3.73033	3.60374	4.11531	3.53968	3.19037	4.55066	4.13002	3.83893	3.69374	3.28382	4.54346	3.74409	3.10689
PRR30	4.14888	3.80592	4.14389	3.988	4.16584	4.00784	2.75954	4.26669	4.3125	3.95892	3.95578	3.16915	4.95919	4.38727	4.20556	4.2082
PRR32	3.44273	5.16113	4.31978	4.94472	4.39215	5.38506	5.6613	5.50962	4.09292	5.41453	1.74872	3.08704	5.58872	3.34999	4.73809	5.96646
PRR34	3.93705	3.41586	3.85298	3.54894	3.55491	3.5856	3.58877	3.61778	3.49474	3.49311	4.01138	3.56237	3.30026	3.44975	3.82329	4.11853
PRR34-A	9.00781	8.53248	8.76046	9.04557	7.83571	8.901	9.46488	7.99865	7.60125	8.3527	8.53692	9.59677	9.38768	8.26281	7.49883	9.45824
PRR35	3.17857	3.46411	3.68203	3.10053	3.95816	3.391	3.97251	3.39861	3.29007	4.05738	3.85459	4.16718	4.27078	3.3814	3.71862	3.29988
PRR5	5.2068	5.97965	6.15282	5.32867	6.493	5.95336	6.17676	6.0376	5.94284	5.84195	6.0385	6.2982	6.48861	7.21997	6.44554	6.56658
PRR5L	4.15245	4.36458	4.32423	4.13874	5.31564	4.83015	4.35356	3.87881	5.28144	3.39483	4.65232	4.85113	4.87633	4.36436	4.89146	4.46802
PRR7	3.31017	3.44137	4.7747	3.00618	3.45301	3.08198	3.3753	2.64349	2.28837	3.49311	3.30436	4.28615	3.36189	2.99448	2.93032	3.03549
PRR7-AS	6.42897	6.40438	6.35317	6.26403	6.11547	6.08246	5.33752	6.18589	6.04791	5.85864	6.34155	6.0005	6.07459	6.20722	6.30215	5.13421
PRR9	3.9256	5.94789	5.80143	5.05078	5.10681	3.76182	5.31453	4.21937	2.53538	4.48984	4.92944	4.33523	4.33163	4.84227	6.24612	6.80461
PRRC1	7.3786	7.48101	8.08164	8.33649	7.81833	7.57667	7.4801	7.08016	7.50441	8.28887	7.59473	7.24802	7.67171	7.51623	7.16101	7.15958
PRRC2A	5.77019	5.8637	5.70415	5.81938	4.89553	6.67421	5.25218	5.05068	5.72828	6.09691	6.60124	5.44775	5.8832	6.51189	6.11019	5.55165
PRRC2B	6.26791	5.76382	5.27088	6.05975	6.621	6.09718	6.15413	5.92959	6.94695	6.3586	6.31515	5.43532	6.08074	7.18606	6.48757	6.50559
PRRC2C	6.67057	6.21403	6.9035	6.75934	6.58459	6.92658	7.93728	7.2577	8.03931	6.48947	7.03111	6.64251	6.90423	7.58344	7.20856	6.99984
PRRG1	6.40233	6.88379	7.68599	7.53673	6.60163	6.71281	7.7461	6.63886	6.3998	7.71853	7.81677	6.31925	6.66628	6.29144	6.72473	7.327
PRRG2	6.88587	6.71607	6.00638	5.79284	4.85056	6.42868	5.9345	5.86031	5.90883	6.65137	5.97046	5.6454	6.64435	6.46468	4.98404	5.93916
PRRG3	5.14656	5.71442	5.31529	5.13421	4.85971	4.91999	5.13175	5.11924	4.62412	4.66526	5.05022	5.20768	5.19972	5.18054	5.32145	5.55827
PRRG4	8.88814	7.79159	7.97727	8.2438	8.49182	7.75523	8.34898	7.38684	7.91964	6.9197	7.88396	7.75653	7.79893	9.04668	8.56669	8.11439
PRRT2	6.63378	5.24458	5.54525	5.9313	5.82	5.83559	4.6921	3.29115	2.83517	6.01933	5.17427	5.46025	4.70357	5.04161	5.67873	2.86424
PRRT3	7.44587	6.70583	6.24434	6.15904	6.13912	6.21045	6.16746	6.54687	6.22548	6.43077	5.34654	6.27858	6.20065	3.78375	4.93457	3.65514

PRRT3-A	7.02091	6.42156	7.08897	7.1351	6.85641	6.89348	7.58194	7.86081	6.60618	7.88419	6.69274	7.23129	7.19639	6.231	7.15975	6.94752
PRRX1	6.8099	7.26761	8.26769	6.93394	8.44095	7.798	9.25706	7.83082	7.34377	7.82492	7.58232	7.53288	8.10743	9.19557	9.21885	8.83123
PRRX2	4.12999	3.98362	3.91647	3.41062	3.42572	3.65332	4.29522	4.11111	3.60923	2.91059	4.3923	4.41586	4.48458	3.44975	4.35255	4.65881
PRRX2-A	6.96263	6.41424	6.95784	6.77758	6.66387	6.96157	7.45051	7.08805	6.95076	6.86669	6.81756	7.19537	6.88494	7.01614	6.61041	6.71054
PRSS12	7.23912	6.94842	7.14234	7.23672	7.71156	6.88661	6.438	7.72891	7.32389	6.62571	5.58893	6.8975	6.72516	7.18639	7.98571	7.7121
PRSS16	5.3204	6.69201	6.87258	5.9265	3.84331	5.08982	6.27307	5.49803	6.70719	8.21957	6.21688	6.26067	7.16627	7.04472	5.49373	5.65292
PRSS2	6.26566	6.05863	5.85616	5.86149	6.78183	5.78411	6.04611	5.66285	5.82012	5.96245	7.16758	7.3133	6.0519	6.69845	6.26907	5.95144
PRSS21	7.36756	7.07295	7.59977	7.25251	7.05301	5.93172	6.82071	6.93638	7.33702	7.65586	6.13943	7.28649	7.53761	6.80143	5.44837	7.07187
PRSS22	7.22033	7.12205	6.55112	5.99465	6.11853	7.13919	6.65798	6.87418	6.92479	6.74311	6.5954	6.41137	7.08815	7.07219	6.23562	7.16971
PRSS23	8.396	8.25798	6.89627	7.92634	6.15232	6.15753	5.44648	6.32349	6.0218	6.44753	6.63311	5.90923	5.64816	6.11415	6.55443	5.37837
PRSS27	2.83473	1.9808	2.53621	2.28551	3.61465	2.42212	2.15094	2.55884	2.07939	1.87612	3.50469	2.2743	3.26844	2.34474	2.47462	2.07548
PRSS3	6.52664	6.97213	6.87934	6.91987	6.91061	6.88898	6.66575	6.88467	6.42803	6.59491	8.49565	7.23538	6.52849	6.81286	6.68722	7.03191
PRSS30P	4.20928	3.74825	4.24573	4.75355	3.98376	4.18599	3.58877	3.96044	4.48532	3.7682	4.50609	5.57585	3.95924	4.28324	3.91498	4.22871
PRSS33	4.49983	4.75492	3.82301	4.73809	4.64412	4.36012	4.84137	4.79518	3.72359	6.41069	4.90131	4.85449	4.2027	4.79903	4.35134	4.66845
PRSS35	5.69349	6.92854	5.9165	6.53008	6.25369	6.60431	6.65798	5.08064	6.84674	6.92511	5.79509	4.4329	4.94162	6.37445	5.92996	5.64034
PRSS36	6.8179	6.54445	5.53096	5.88704	5.72807	6.56664	5.22236	6.19989	5.26828	4.74035	5.95247	6.10669	6.85892	4.68646	4.47674	6.94752
PRSS37	5.75547	6.11134	5.58936	4.6281	5.65877	5.46747	6.19774	5.00561	5.75308	6.08344	4.79814	5.91306	5.96219	5.89338	3.41773	5.61874
PRSS3P2	6.8514	6.28161	6.56182	6.29632	6.68711	5.80045	6.29614	6.57849	5.51033	6.38805	7.58379	7.14102	6.48923	6.48874	6.2066	6.09082
PRSS3P3	5.14458	5.01553	5.42204	5.46207	6.01106	3.68688	3.39293	4.84732	4.15582	6.05367	4.62733	4.25098	3.94666	3.68528	5.21941	4.90886
PRSS50	6.02057	6.13028	6.34726	5.67756	6.43539	6.41627	5.93927	5.76823	6.90744	7.02816	5.89602	3.80634	6.24425	6.26114	5.94761	6.24835
PRSS53	3.02599	4.16994	4.56226	2.06899	4.96323	4.75121	2.3531	5.27102	4.58372	2.47565	4.08209	4.14691	3.94666	2.88516	2.93032	2.99971
PRSS54	3.41112	2.8813	2.59102	2.4789	2.9933	2.18538	3.77935	3.0481	2.47145	2.2766	2.43603	2.8813	2.07729	3.12884	2.54889	3.20278
PRSS55	6.33556	6.22183	6.56182	6.21387	6.0156	6.21486	5.80714	6.10464	6.02244	5.90889	5.8355	6.16815	5.8673	6.18909	5.64923	6.22394
PRSS58	4.92233	6.23481	5.41479	4.89975	5.43993	4.87977	6.26824	5.66963	5.55466	5.06097	5.73103	5.68015	4.02061	5.90303	5.05678	6.05296
PRSS8	7.26232	5.65243	5.28718	3.90548	6.73842	7.17176	5.86472	5.47965	6.65718	8.42251	6.123	6.75243	5.91749	6.43147	6.02788	5.95076
PRTFDC1	7.23966	7.44838	7.28193	6.52377	7.04397	6.57111	6.88653	7.56326	6.6694	7.93784	7.13044	6.72174	6.58326	5.93176	6.77772	6.20158
PRTG	4.03916	4.71089	3.35113	5.07725	3.39175	3.96967	4.53328	5.1641	4.84961	4.25308	3.66359	4.09547	6.56571	3.94359	4.14096	6.45163
PRTN3	1.92303	5.28996	3.08807	2.58828	2.83544	2.48692	4.15069	2.88789	4.04754	2.72148	4.12946	3.62346	3.10377	3.0362	3.88013	2.73131
PRUNE	4.67416	4.82616	4.72113	4.73125	4.56962	4.45763	4.92829	5.3421	5.20433	4.85485	4.26025	4.95496	5.71911	4.94373	5.30158	4.93087
PRUNE2	6.8912	6.71426	6.69937	6.62374	6.51684	6.51597	6.45687	6.65329	5.98281	6.91463	6.71426	6.17633	6.12507	5.89143	6.67388	6.31108
PRX	4.05943	3.45856	3.93765	4.22676	3.43094	3.66155	2.95014	3.03952	3.55029	3.12323	2.37612	3.52295	3.33619	4.48397	3.14254	3.60453
PSAP	10.149	10.1277	10.7596	9.86852	9.46022	10.1842	8.2233	9.10606	11.0154	10.8668	10.5954	10.0342	9.94429	9.65881	9.39209	9.76893
PSAPL1	5.83789	6.80069	6.77043	6.54028	5.71666	5.68258	6.6025	7.93177	6.8319	6.69975	5.43545	7.15193	6.38344	5.61264	6.95503	6.19907
PSAT1	6.41202	6.86587	6.9764	6.70524	7.49325	7.09339	7.58264	7.73143	7.12866	7.14091	7.432	7.32963	7.76334	7.60613	7.43579	8.20702
PSCA	6.89301	6.67683	6.46024	5.74014	4.31963	5.49698	5.78423	5.49051	4.78164	4.7154	6.55645	5.15007	5.84353	6.19272	5.33369	5.44618

PSD	4.56185	5.12193	3.69741	0.78709	3.03309	4.39841	3.3753	3.50531	2.50218	3.8925	1.51119	4.10853	3.85528	2.74868	4.78238	3.78507
PSD2	4.18547	4.50537	4.04694	3.64199	3.24511	3.67619	3.65785	3.06557	4.69793	6.51189	3.41787	3.66815	2.88174	3.0362	3.27847	3.47381
PSD3	5.9978	5.25333	5.9069	5.64345	6.84483	6.85121	6.44753	6.01259	5.12521	5.84579	5.70599	6.09622	4.72787	5.9431	6.91606	5.78886
PSD4	5.97927	4.9748	6.46624	5.63605	5.94871	6.56229	6.66563	5.90531	5.97338	6.17068	5.99187	5.71218	5.22275	6.42499	6.19425	6.12544
PSEN1	5.87747	5.35079	4.64638	5.26645	5.27718	5.06794	5.31006	5.40398	5.19731	5.52122	5.80361	5.52441	5.47317	5.27249	5.24948	5.83086
PSEN2	6.9573	6.30331	6.86529	6.39329	6.8119	6.5305	6.91944	7.34582	7.34444	6.54574	6.85063	6.90931	6.33379	7.37885	6.24176	6.81351
PSENEN	9.30096	8.05538	7.81099	9.14235	5.99292	7.81099	6.50096	5.60468	6.42469	7.05094	7.75735	6.87285	8.20672	7.77998	6.29336	6.88379
PSG1	4.76092	4.46349	4.68339	4.09979	3.51712	3.56819	4.17313	4.05738	4.1494	3.4102	4.90267	4.80084	4.21672	2.98295	3.23948	3.29136
PSG11	3.74737	5.59446	5.16282	2.4789	5.71377	5.49698	5.72875	6.52418	4.65199	6.32107	4.63606	4.08601	2.83935	4.68071	4.13035	4.41688
PSG2	4.66752	4.2689	5.0859	3.24321	5.27234	5.34499	5.46734	5.98826	5.36067	5.50605	5.56141	5.8373	5.60245	5.53595	5.19592	2.94176
PSG3	4.25043	3.4933	5.21285	3.32481	2.63482	4.91415	5.6459	6.15282	3.6792	2.72148	5.50599	5.49854	4.97252	5.04615	4.51056	5.15376
PSG4	7.12623	7.04994	7.3591	6.91101	6.81635	7.2551	6.82297	7.62619	7.70367	7.51294	7.29228	7.38493	7.36361	7.33244	7.36361	7.65647
PSG5	4.44253	4.01542	4.15423	4.09708	3.85196	3.60505	4.24238	4.21387	3.72099	5.21987	4.58019	4.56438	4.87593	3.60505	4.10686	3.84282
PSG6	5.49659	5.54541	5.40356	4.33627	5.80388	5.61572	5.41358	5.66269	5.69224	6.49484	5.29344	6.14478	5.28765	5.7063	5.3139	5.85616
PSG7	7.01068	6.2147	7.23832	6.64693	6.28514	6.30311	5.99786	6.95695	6.72654	6.46324	6.42656	7.18473	7.27362	6.38308	6.95202	6.39451
PSG9	5.21721	5.50593	5.17777	5.56894	5.19179	5.53265	5.38559	5.59	5.30623	5.29075	5.18807	5.12503	5.74089	5.46637	5.4315	5.49559
PSIP1	6.04492	6.49499	6.62048	6.90659	6.43323	6.66184	6.44554	6.45064	6.19359	5.93318	6.48172	6.12794	6.29048	5.93792	5.85641	7.04364
PSKH1	6.46837	6.45844	6.00799	6.0617	6.23107	5.36175	4.6921	7.04066	5.0435	5.97187	6.5545	6.98274	6.9686	7.19947	3.81591	6.54445
PSKH2	5.67016	5.01553	5.12092	5.21128	5.60384	5.68517	4.28532	5.93603	5.24379	5.64594	4.49934	6.29102	6.34438	5.40055	5.60835	6.01704
PSMA1	9.35525	9.95833	10.4209	10.163	10.9225	10.4176	10.7696	10.2444	10.6972	10.4448	10.5398	9.77064	10.8255	10.5225	10.617	10.3502
PSMA2	8.81129	9.23091	9.06514	9.27873	10.0604	9.39963	9.56326	9.9517	9.7337	9.10897	9.65256	8.89663	9.92274	9.70398	9.58269	10.2341
PSMA3	6.45064	6.5687	6.62269	7.20199	6.53264	6.72516	6.44728	6.21121	6.69377	6.15777	6.50406	5.87618	6.76466	6.2147	5.92763	6.45334
PSMA4	9.90783	9.9547	10.783	10.4176	11.1658	10.6494	10.5276	10.6733	11.0235	9.81024	10.7222	9.97015	10.6607	10.3741	10.1981	10.5181
PSMA5	8.29543	8.24153	7.98107	8.57166	8.40588	8.30405	8.85361	8.17965	7.68663	7.32487	8.31951	8.0511	8.58691	8.82316	8.68785	8.12453
PSMA7	8.31557	8.33735	8.47782	8.97654	8.52989	8.8144	9.29297	5.75151	7.8222	7.06319	8.75665	9.61651	9.11102	9.32986	8.55517	8.86529
PSMA8	5.44417	6.52695	4.64127	5.72745	5.57898	6.13597	5.91096	6.11959	5.4207	4.50434	5.84336	5.94133	6.43871	4.22367	5.59831	6.21741
PSMB1	9.11184	8.74734	9.18179	8.901	9.49953	9.17193	10.1088	8.99622	9.19844	9.15119	8.45605	8.22515	9.19557	9.37478	8.5267	9.68446
PSMB10	10.1211	10.2227	10.0444	10.2358	9.12823	9.53788	9.00248	9.30916	9.98814	8.40309	10.4135	10.8356	9.88284	10.1952	9.09601	9.8758
PSMB2	6.41007	6.63908	6.82939	6.93297	6.8519	6.97418	7.22958	7.98276	6.96991	5.9966	6.95847	6.80197	7.31427	7.30569	6.65411	6.44039
PSMB3	8.89725	9.20282	8.89192	9.05155	8.80081	9.47426	8.63776	7.82888	8.78405	8.57558	10.2527	9.5326	10.0051	9.69447	8.55623	8.88814
PSMB4	8.29662	8.41793	8.58691	9.39051	9.2048	9.89394	8.87038	7.95464	9.09179	7.82869	8.05719	9.44929	8.59168	9.68695	8.43314	8.84609
PSMB5	10.2459	10.1516	9.90431	10.398	10.321	10.0518	9.85721	9.66727	9.94182	9.81254	10.2725	10.3343	10.7134	10.398	9.7968	10.6212
PSMB6	10.8383	11.2015	11.0783	11.3034	10.6075	10.9797	11.2207	10.8485	10.3191	10.4519	10.9359	11.6143	10.9679	11.4604	11.1434	11.2324
PSMB7	6.1983	6.65763	6.86641	6.98932	6.24308	6.81974	6.45143	6.0728	7.42774	6.74201	6.32223	6.04631	6.92754	6.83752	6.36077	6.62027
PSMB8	10.2804	10.908	10.8206	10.7596	9.91339	10.0385	10.0988	9.77064	10.3765	9.70398	11.118	10.5857	10.0629	10.494	10.0919	10.4698

PSMB8-A	6.96963	7.65498	7.15566	7.59878	7.0855	6.91829	6.58645	7.59573	7.14512	6.62601	7.13403	7.3591	7.1175	5.88887	7.13978	6.99839
PSMB9	10.1739	10.8872	11.9441	10.99	11.3034	10.6212	10.0778	10.783	11.25	9.11537	11.741	12.0835	10.9118	10.8255	10.1401	10.6273
PSMC1	11.1017	11.0289	10.6212	10.7548	10.8431	10.3531	10.6075	10.9797	11.297	10.9118	11.1658	10.0162	11.118	10.6854	10.552	11.2075
PSMC2	8.48187	8.45101	8.79141	8.3527	8.78234	8.52577	9.79359	8.8123	8.92819	8.65698	8.54327	7.7899	8.29749	8.89983	9.86381	9.06394
PSMC3	7.86047	7.41939	7.85642	7.43605	7.76272	7.57865	6.96469	5.95794	7.33814	8.15803	7.88065	8.02431	6.47791	8.03105	6.69021	8.05925
PSMC3IP	7.23093	6.62078	6.39389	6.22203	6.94963	5.92433	6.8608	7.36722	7.15716	5.83371	7.30631	7.05342	7.03405	7.68379	7.34016	7.38139
PSMC4	7.40676	7.75576	6.83078	7.20323	8.43886	8.04178	8.03646	8.1556	7.99341	7.46163	7.89992	8.57341	7.9976	8.46536	7.89846	7.78548
PSMC5	9.84942	9.59537	9.90298	9.41176	10.1246	9.86381	9.73221	9.39322	10.0259	10.3468	9.9611	9.98814	9.51816	10.0245	9.35321	9.21594
PSMC6	9.44929	9.7449	9.94776	10.0103	10.4836	9.53631	10.0697	10.1739	10.0218	9.33414	10.2628	10.2011	9.80678	9.34651	9.67232	9.81024
PSMD1	8.26535	8.29317	8.00842	8.41589	8.00769	8.45387	9.01455	8.67455	8.93342	8.06572	8.35699	8.36324	8.33649	8.50644	8.34839	8.19193
PSMD10	8.96715	8.86269	9.00106	9.44547	8.8844	8.07018	8.61308	8.84845	8.62607	8.74164	8.40382	8.7993	8.9415	9.10108	8.8144	8.65141
PSMD11	7.50856	7.84068	8.05838	7.92119	8.02883	8.46182	8.76316	6.90659	7.52098	7.62934	8.32702	7.43906	7.64589	8.75873	8.13334	7.54137
PSMD12	7.11055	7.44463	7.7162	7.61366	7.86345	7.53221	8.19193	7.49156	7.276	7.76101	8.12631	6.78728	8.00713	8.40722	7.9514	7.47911
PSMD13	8.42204	8.08445	8.42938	8.28645	8.55255	8.31293	7.97893	8.06888	8.46562	8.38858	8.68868	8.45462	8.46273	8.93549	8.03741	7.99684
PSMD14	9.77798	10.0629	10.1061	9.68889	10.9679	10.2928	11.2278	10.99	10.4448	9.80678	10.1412	9.60515	10.6212	10.7308	11.0741	10.8668
PSMD2	10.509	10.5753	10.1711	9.69974	10.7178	10.3298	11.3844	10.0472	10.9225	9.96791	10.4318	10.6972	10.1952	10.4448	10.794	10.8297
PSMD3	7.26814	6.68051	6.19154	5.74014	6.54459	6.61048	6.94086	5.59425	4.30345	6.49925	7.50471	5.42908	6.93102	8.09246	7.21022	7.15313
PSMD4	8.10956	7.83976	8.67666	8.11615	8.17853	8.34712	8.35767	8.10309	8.59276	8.11737	8.34898	8.38943	8.06928	8.51015	8.46388	8.13492
PSMD5	5.87211	5.55827	5.33811	5.29458	5.67221	6.38629	5.72755	5.61435	5.69337	5.91387	6.27896	6.06196	5.96974	5.5121	5.91026	6.20232
PSMD5-A	5.48393	5.88657	5.76053	5.35628	5.30787	5.58467	4.82325	6.13804	6.11735	5.73512	5.28498	5.62474	5.2998	4.67745	4.542	5.03802
PSMD6	4.17154	5.11814	5.33652	5.04939	5.74899	4.62587	6.14938	4.69861	4.91176	5.74127	5.2531	4.24019	5.26452	4.06288	4.7056	5.23378
PSMD6-A	5.05959	5.35438	6.63674	5.36229	5.98786	5.93531	6.8519	6.4057	5.50389	5.68863	6.22381	6.08828	4.60294	5.2467	5.01049	5.28666
PSMD7	9.39668	9.37708	9.43324	9.4367	9.00592	9.0707	9.37708	9.62568	9.32203	9.30561	9.51986	9.12237	9.45824	9.29168	9.17857	9.03434
PSMD8	7.16146	7.9855	7.59557	8.16578	7.54421	8.36759	8.11382	4.72163	6.8657	6.73025	9.02111	9.05078	8.49332	8.8433	6.72063	8.47282
PSMD9	7.92703	7.85138	7.76017	7.9976	7.759	8.19509	8.19619	8.37645	7.83323	8.01802	8.02662	7.92556	8.37808	8.46911	8.15803	7.90554
PSME1	10.371	9.92959	10.9679	10.783	10.3298	10.1021	9.7224	11.2075	10.389	10.7421	10.389	10.4094	10.2928	10.5619	9.58912	10.7996
PSME3	4.96879	5.36001	5.3882	5.63182	6.38394	5.84764	6.6557	7.2857	6.85234	5.20073	7.50417	5.84691	6.05522	6.92291	6.25838	6.09404
PSME4	7.46327	7.66306	7.62329	7.12396	7.56096	7.74515	8.74734	7.72953	8.22263	7.59573	7.01477	6.6179	7.46304	7.48264	7.69505	7.67787
PSMF1	7.12681	7.62912	7.13792	7.58117	7.29117	7.46213	7.67745	7.82939	7.73104	7.33814	7.31148	7.12636	7.13187	7.42635	7.24756	7.14362
PSMG1	7.88823	8.52405	8.48257	8.70926	9.25706	9.18298	9.1574	9.68695	8.90648	8.80376	8.98206	9.31202	9.00702	9.22523	8.93549	9.11939
PSMG2	9.55087	10.2804	9.80516	9.88457	9.67089	9.86852	9.22028	10.0817	10.0495	9.60191	9.8453	9.66243	10.3679	10.3441	10.163	9.95652
PSMG3	8.38539	8.4172	7.72953	7.79535	8.22892	8.15863	8.10671	7.17619	7.97635	8.3341	8.5739	9.0707	8.8861	8.61511	7.67787	8.85361
PSMG3-A	7.40139	6.02133	4.06126	6.8906	7.24015	7.06893	8.11142	6.36077	4.63412	3.6977	3.85459	3.96659	5.35907	7.07057	6.86696	7.73161
PSMG4	5.49629	5.93172	5.62753	5.6096	5.99397	6.17495	5.62225	6.19282	5.88563	5.73664	5.86242	6.04232	5.25618	6.11163	5.69269	6.29048
PSORS1C	2.94778	2.51658	2.46272	2.43076	3.22566	3.17101	2.90726	3.58474	2.07939	2.80132	2.73426	3.39606	2.49591	4.75121	3.32134	2.94176

PSORS1C	5.24859	4.88716	4.79439	6.44172	4.44183	4.98138	6.01651	5.41625	4.71298	4.9891	5.79396	5.42908	6.65704	4.94851	4.93071	5.40281
PSORS1C	1.44194	0.79	1.03884	1.00034	2.33881	2.03544	3.25433	0.88665	2.53538	2.61134	1.63512	1.41969	3.0877	2.37224	2.45708	1.62293
PSPC1	5.5909	5.97318	5.6699	5.26828	5.93937	5.67887	5.89092	5.79645	5.76151	5.52073	5.87709	5.66376	6.22315	6.04185	6.13804	5.96858
PSPH	7.45674	5.87501	6.57618	7.17415	7.51396	7.65128	8.67057	7.3511	7.51898	6.61895	6.47672	6.7905	7.41136	8.47465	8.42298	6.75906
PSPN	5.90515	5.38125	7.06113	6.65726	6.59688	6.8266	6.45517	6.87878	6.68462	6.83665	5.49848	6.48488	6.48651	6.94225	5.71939	6.1129
PSRC1	6.10464	4.8348	5.04282	5.52175	6.8975	6.98738	6.53371	6.95007	7.68075	4.74035	7.04039	7.49911	7.54686	6.67107	6.44576	7.21428
PSTK	6.5917	5.76416	6.80448	6.52676	6.29873	6.23907	6.47024	6.51248	6.20003	6.28381	6.11701	6.41991	6.4501	6.57712	6.14368	7.41527
PSTPIP1	3.75698	5.13629	5.99084	5.74598	5.88552	4.0873	5.7995	4.76359	7.21897	3.02948	7.41204	7.30674	5.03426	7.13821	5.78516	5.10495
PSTPIP2	5.33688	6.95847	6.21121	6.30186	6.99664	6.40041	6.85882	7.16727	7.12147	6.13152	8.41069	6.53931	6.92598	7.10583	6.92827	6.9892
PTAFR	7.50665	7.68663	7.38424	7.39005	7.17188	7.32029	7.23519	8.14205	8.13389	6.70274	8.29485	7.67171	7.97147	7.44394	7.81833	7.31853
PTAR1	7.05931	7.04754	7.02213	6.63574	6.84076	7.66097	7.08431	6.9514	7.23475	7.01754	6.60418	6.59438	7.14589	6.7013	6.61459	7.2218
PTBP1	6.46324	6.35895	6.31699	6.27576	5.83943	6.41319	6.07517	6.16524	5.59535	5.99847	6.2399	6.60536	6.40185	6.687	6.03743	6.49401
PTBP2	7.21477	5.18587	6.66639	6.74434	6.18726	5.60724	6.19359	6.11841	6.48497	6.96042	6.63529	4.94105	6.13608	6.92712	6.81566	6.43077
PTBP3	6.79309	6.34587	6.33105	6.71848	7.42114	6.61097	6.70731	6.48913	7.08193	6.38344	7.14735	6.22886	7.49352	7.18699	7.16569	6.9035
PTCD2	3.981	4.71215	4.2359	4.71531	4.7519	4.84645	5.22091	5.41393	5.03836	4.87633	5.34251	5.07446	5.68071	4.70335	5.15554	5.34141
PTCD3	6.81974	6.77496	7.36657	6.6676	7.05384	7.30538	8.07186	7.34936	7.29993	7.14209	6.72905	6.47407	6.08317	6.91702	7.43254	7.52405
PTCH1	5.51869	5.30623	4.85948	5.42284	5.45446	6.28592	5.42482	5.29643	6.34562	5.8182	5.35829	5.59237	6.73081	4.83452	5.81438	6.03682
PTCH2	2.88015	3.28675	3.23213	2.85497	3.0533	3.6256	3.45602	4.35762	3.66585	3.85542	3.50469	3.76552	3.03764	3.70919	3.39726	2.9809
PTCHD1	4.10208	4.12179	4.14041	4.10658	3.67678	4.12996	4.15877	4.33174	3.65785	4.10961	3.82629	3.93582	3.97153	3.93142	3.82047	4.23734
PTCHD2	4.62221	5.22992	3.59087	4.85998	4.41697	4.97356	6.17008	4.92384	4.9341	5.47823	5.0548	4.57021	4.24394	5.02826	4.74631	5.21626
PTCHD4	4.92233	3.27087	4.13154	5.39225	5.02465	3.91828	3.57168	5.9748	3.58282	3.78199	4.10165	3.87137	3.83289	4.59647	3.34075	6.12395
PTCRA	6.70325	6.74157	7.0572	5.59319	5.91616	6.85564	7.01074	6.59734	6.32017	6.92778	6.48116	6.41737	6.58286	6.44164	6.17043	6.81244
PTCSC1	7.1569	7.23822	7.61901	7.37909	7.11288	7.70157	7.76086	7.92598	7.28003	7.27062	6.6659	7.34115	7.35004	7.1641	7.34437	7.45295
PTDSS1	9.77389	10.429	10.1183	10.2318	10.3792	10.7267	10.9018	10.5857	10.4698	10.149	10.1277	10.6607	10.032	11.1559	10.6686	10.6304
PTDSS2	6.83179	7.36223	7.09489	6.49318	7.13947	7.40347	7.02199	7.39575	7.81197	6.85697	6.68395	7.93681	7.46945	7.66727	7.18359	7.00351
PTEN	7.06373	7.12034	7.58869	7.17539	7.06996	7.64121	7.08952	7.56225	6.98343	7.38774	7.26649	7.10453	7.01893	7.21537	7.50047	7.00057
PTER	6.94792	7.11075	7.82579	7.8222	6.08225	7.63497	7.8789	5.11089	6.33653	6.0385	5.62901	7.19582	7.29091	7.37333	7.35785	6.81217
PTGDR	4.5022	4.05376	4.48984	4.97729	4.44382	4.50274	4.68857	4.76747	4.50053	5.0543	4.09222	4.09796	4.84558	4.17313	4.3961	4.90793
PTGDR2	4.99664	4.87334	3.53071	3.06525	4.84882	4.04204	6.15307	4.95264	5.35145	4.32501	4.19447	4.70767	4.54077	5.04788	4.86826	4.56504
PTGDS	8.10488	8.63277	9.06609	9.92568	7.44302	10.2283	6.07712	7.43691	9.49038	7.23281	7.59595	9.96791	7.47555	7.5753	7.10048	7.30409
PTGER1	4.22737	4.87118	3.94028	4.51664	4.51222	4.86718	4.026	5.28812	3.8455	4.06438	4.06555	5.26588	4.42419	5.37333	4.2961	3.69964
PTGER2	7.5009	7.06434	6.75178	7.59921	6.25948	5.68517	5.90764	6.47461	6.56446	6.21634	7.90905	4.0069	6.74395	5.35106	5.27341	5.98051
PTGER3	5.17462	5.26966	5.1517	5.08387	5.06976	4.86513	4.94719	4.31456	4.80155	5.25642	5.72232	4.81438	5.09814	4.75295	5.46664	5.51713
PTGER4	5.50496	5.3635	5.50431	5.19179	5.93008	5.92167	6.08039	6.29584	6.24479	5.17462	6.60657	5.59384	6.0054	5.40805	5.71586	6.13654
PTGER4I	1.84505	3.38769	3.21294	3.25646	3.39606	2.39513	3.2194	2.40011	2.22165	3.47656	2.10233	2.38821	2.7137	2.86263	2.76084	2.69842

PTGES	6.15065	6.9764	6.69377	6.70956	6.562	6.53939	7.08843	7.39005	6.2594	6.25466	6.82812	6.77308	7.41816	7.76045	7.18152	7.77079
PTGES2	6.94704	7.4238	7.01358	6.92817	6.60593	7.02669	6.81648	7.33157	7.68857	7.50104	7.20142	8.09229	6.98048	7.44942	6.59632	7.01235
PTGES3	11.0154	10.3792	10.6769	10.5062	11.1434	10.3679	10.5154	10.1813	10.4412	10.1711	10.99	9.58912	11.2207	10.9705	10.5789	10.7696
PTGES3L	4.68509	3.12278	4.74151	3.86957	2.68714	3.82218	2.27576	2.91144	3.63964	4.52838	3.96082	5.01532	3.91647	4.80703	3.4529	4.01765
PTGFR	5.24588	4.74768	4.72417	4.28945	3.71177	4.81517	3.84385	5.11873	4.63097	4.64174	4.5817	4.83635	4.1603	3.97447	4.11284	4.46646
PTGFRN	7.74711	7.5095	7.46283	7.25599	7.47714	8.36016	8.31557	7.74136	7.5369	8.75563	8.06065	8.38085	8.06218	8.04588	7.86658	7.84487
PTGIR	4.59673	4.73969	4.78297	3.53424	5.66921	4.796	4.52704	5.35628	4.6779	4.58478	5.26149	4.43832	4.75563	4.71531	4.80647	5.19592
PTGIS	3.93967	4.54726	4.37118	3.0573	2.54448	3.23291	3.60881	2.48089	3.39527	3.78731	3.72627	3.19002	2.63659	2.14882	3.39891	3.71004
PTGR1	7.19735	6.65734	7.2057	7.42256	6.85382	7.0576	7.20629	6.78137	7.31017	7.08123	6.74577	6.91218	6.78945	6.2577	6.22344	6.60053
PTGR2	6.33063	3.97873	5.08822	5.83329	6.03933	5.46406	4.60294	5.95794	4.35456	5.41012	5.49848	4.2698	5.17427	6.01413	5.66921	5.81289
PTGS1	6.40096	7.327	7.14091	7.21035	7.05849	6.98515	6.50241	7.68215	7.08411	7.01721	6.99541	6.76542	6.3057	6.67625	7.24339	7.81268
PTGS2	4.02516	3.98045	5.4297	4.80236	7.57352	3.94849	6.51863	5.18175	5.65292	2.73408	6.35743	4.11874	7.8954	9.5431	8.96715	6.78294
PTH	1.60375	4.73879	1.92303	2.00313	2.61273	4.53909	1.73976	1.3689	1.45473	2.01376	1.7041	1.3666	3.8683	2.54935	1.52655	2.5569
PTH1R	7.37188	7.43592	7.12611	7.34276	7.46031	7.0811	7.45051	7.15837	6.72462	7.268	6.88109	7.09206	6.76152	7.55817	7.02605	7.25544
PTH2	6.18149	6.27208	6.48515	6.1545	6.17087	6.86669	6.73015	5.3347	6.3998	5.97535	6.71089	5.63434	6.26398	6.07813	6.00366	6.89348
PTH2R	6.55195	5.45949	6.27641	5.26197	7.61117	6.08363	3.8062	6.71281	6.1599	8.46478	3.3159	5.27702	3.8683	5.84738	3.63405	4.35197
PTHLH	5.31438	5.35145	6.44164	4.87431	6.01401	3.44223	3.30396	5.85125	4.79805	5.30469	6.90032	6.34219	5.80973	4.12179	5.14398	4.16905
PTK2	6.95968	6.6447	6.33001	6.64251	6.51364	6.44872	7.16382	6.75786	6.67705	7.02701	6.26698	6.04203	6.61362	7.50417	6.64395	6.90974
PTK2B	3.98331	5.24948	4.3041	3.86806	3.74409	5.13097	3.77334	5.06925	5.31136	4.62693	4.44094	3.87618	3.68155	4.39114	4.05318	4.30729
PTK6	6.83501	6.38973	5.99998	6.28188	4.58277	4.49959	5.04246	4.93183	4.53994	7.10916	7.81085	4.12898	4.72913	4.49847	4.01048	4.39454
PTK7	3.75132	3.62534	3.1994	3.09267	5.24253	4.89207	4.87875	4.48075	4.30918	3.94083	3.191	4.46997	2.14623	4.71717	4.17614	5.3451
PTMA	9.65751	10.0051	10.0629	9.81607	9.64667	9.5293	10.2318	9.94182	10.2113	9.46931	9.61082	10.0218	10.0415	9.83745	10.0817	9.99925
PTMS	5.79438	6.0186	6.41408	5.49777	5.94746	6.14022	6.50721	5.49899	5.97943	5.51666	6.03045	4.67844	5.99457	6.15976	5.79922	5.47955
PTN	7.94931	7.58344	7.4807	7.49002	6.82429	7.2034	7.33082	6.7396	7.41697	7.383	6.48455	6.9925	7.49498	7.64917	6.13777	6.54354
PTOV1	8.03911	7.65268	6.45687	7.33205	7.65545	7.96835	7.38837	5.92496	6.98832	7.63559	7.42501	7.97871	7.29772	8.11826	7.80515	8.12675
PTOV1-A	4.18221	4.75966	3.76017	4.25437	5.593	5.49373	3.7868	4.98849	3.73746	5.25494	2.86098	4.50143	5.11589	4.31426	4.90076	4.3624
PTP4A1	6.55469	6.55245	7.26141	6.28311	6.92227	6.73937	6.72816	6.36727	6.50148	6.97383	7.25372	6.74779	7.18404	6.95429	6.62977	6.77427
PTP4A2	8.02774	8.5825	9.08751	8.8123	8.56201	8.36471	8.41642	8.54112	9.23192	8.49612	8.72304	8.32579	8.52989	7.91358	8.43209	7.92634
PTP4A3	6.01092	6.69768	7.82787	6.18661	5.71193	6.35794	6.34544	6.49883	6.66976	7.327	6.43519	8.49069	7.47865	7.0023	6.29537	6.77145
PTPDC1	6.38642	4.76263	5.05901	5.15653	4.91388	5.26744	4.97408	4.47102	5.89788	6.10066	5.4816	5.55993	5.11244	5.13872	5.85266	6.6495
PTPLA	6.36989	5.78962	6.49857	6.43116	6.28914	6.2605	5.71676	5.54389	5.64428	6.92754	6.54427	5.71377	6.34726	6.45718	6.10253	5.97859
PTPLAD1	7.14639	6.98373	8.11439	7.94485	7.05573	7.81141	8.39449	7.48581	7.7785	7.30538	7.84604	7.79105	8.35965	8.59531	7.78353	8.49992
PTPLAD2	6.34052	5.6018	5.16136	5.30796	4.76339	5.63311	5.12561	5.08913	5.91698	5.37776	5.13872	5.29878	5.2705	5.15859	5.79242	5.26074
PTPLB	6.94003	7.61683	7.91831	7.90829	7.58901	7.79351	7.66727	7.81222	7.61366	8.04247	7.90366	7.10208	7.93896	6.75295	7.34053	7.56855
PTPMT1	7.34672	7.20912	6.62027	7.17043	6.49155	7.92486	6.97485	6.91674	7.34719	7.64185	7.2038	7.79551	7.77814	6.69482	6.86762	7.27109

PTPN1	4.21937	5.06359	4.77269	4.45895	4.27152	4.0497	5.36831	5.2306	4.87799	4.64364	4.76487	4.72447	5.23021	4.96694	4.66213	4.54034
PTPN11	5.07404	5.11553	5.46994	5.52397	5.04372	5.30388	5.17462	4.92829	4.41255	5.04032	5.14958	4.80917	4.75008	5.4309	4.90513	5.17184
PTPN12	4.22883	4.2803	4.18362	4.46511	5.08353	3.92989	3.66538	4.70214	4.26088	3.80377	4.74889	3.7572	3.95338	4.08953	4.42547	4.85307
PTPN13	7.11276	6.96309	6.72663	7.08193	7.48173	7.29183	8.44632	7.65029	7.76184	7.00157	6.8872	7.07143	6.29719	8.13446	8.22834	8.10055
PTPN14	5.52864	3.64434	5.86803	5.22533	6.41274	7.52542	6.48665	5.16778	5.41414	6.2383	5.82442	5.70933	6.1809	6.29983	6.83608	6.21081
PTPN18	6.92817	6.09691	5.98199	6.11163	5.34567	5.67243	5.84579	5.7276	7.09901	6.92458	6.58025	6.50001	4.98927	5.32756	6.15584	5.77971
PTPN2	5.70734	6.06581	6.44906	6.1861	6.46154	5.88242	5.77227	6.95188	6.2843	6.25405	6.65411	6.3569	6.22685	6.0495	5.94952	6.5302
PTPN20B	3.66681	2.29438	4.93219	4.56179	2.73769	2.53476	5.30403	5.41101	3.31034	6.65137	5.17761	3.71438	2.2085	2.68036	6.8721	6.23843
PTPN21	4.79693	4.59043	3.99573	4.52387	4.34089	4.52222	4.25692	4.37968	3.84505	4.94005	4.1332	3.81063	3.56885	4.19646	4.55761	4.07403
PTPN22	3.40051	4.74543	4.43243	4.30379	5.03965	4.04104	3.8537	4.07882	4.40257	4.3801	5.82978	3.47791	4.71618	3.65314	4.97776	4.9039
PTPN23	5.01537	4.28545	4.67276	4.82338	5.37386	6.29119	4.28379	5.58141	5.12636	5.45118	5.68993	4.65232	3.15245	4.79283	4.79903	5.84049
PTPN3	7.94735	7.7162	6.94991	7.0855	7.54948	7.25954	7.48119	7.13648	6.70457	7.7785	6.87019	6.77096	6.97717	7.23137	7.60433	7.04836
PTPN4	5.71442	5.13338	5.30496	5.70107	5.98373	5.49125	5.35185	5.11427	5.23625	5.42673	5.0271	4.75823	5.78092	4.27754	6.42879	5.72735
PTPN5	3.69634	2.93758	3.52782	3.51712	3.11416	3.93967	3.79811	3.24439	3.2995	3.94226	3.0877	3.71812	3.62162	3.65093	3.42369	3.53998
PTPN6	8.04077	8.13058	7.79926	8.45121	8.00813	8.08201	7.91603	9.0105	8.70235	7.63902	7.83571	8.04077	7.99187	7.81384	7.99279	7.56597
PTPN7	6.46624	6.94061	6.67527	6.75235	6.84402	6.53241	6.21942	6.9925	7.29183	6.73545	7.13144	7.21604	6.85717	6.39825	6.51863	6.51148
PTPN9	4.72417	4.15464	5.15143	5.40895	5.33428	5.18736	4.84233	5.00238	5.51543	5.36435	4.96429	4.56877	4.90822	4.55504	4.40518	4.73694
PTPRA	4.92884	4.51825	4.42448	4.46753	4.78238	4.69418	4.60638	5.09722	4.40737	4.8258	4.69861	4.72297	4.86513	4.38995	4.2931	4.75355
PTPRB	5.68251	5.60857	6.45319	5.84195	5.55777	6.14183	5.96269	6.23376	5.77696	6.13935	6.36534	6.02244	5.76823	5.92878	5.75787	5.97543
PTPRC	5.7379	6.08128	7.63653	7.14091	6.60053	6.26147	5.23625	6.17202	7.09619	4.81291	7.14001	6.33835	6.14001	4.99543	6.43116	6.39586
PTPRCAI	6.17104	8.58569	6.50447	7.533	6.81906	7.14173	3.57168	4.00856	8.53215	3.2328	8.37262	8.86638	7.38684	3.9712	5.2229	7.02103
PTPRD	4.35634	3.6881	3.75335	4.9341	4.15353	5.15199	2.95045	3.52747	2.8175	4.3226	4.78444	3.42914	4.04474	4.57597	5.39161	3.14193
PTPRE	4.83307	5.18334	5.89189	6.70844	5.12155	5.29032	5.34879	6.32112	5.99292	4.70093	6.30248	5.12455	5.93039	5.48864	5.35015	5.26675
PTPRF	7.62114	6.87241	6.4856	6.05682	7.18281	6.71808	8.48815	7.05471	6.30457	6.38732	5.76312	7.47457	6.52891	7.55949	6.71962	7.00437
PTPRG	5.1725	5.02826	5.2212	4.66602	5.53494	5.44301	4.75199	5.19512	4.59455	5.56655	5.99118	4.65852	4.89975	5.10392	5.33553	5.37653
PTPRG-A	2.63482	5.21946	3.0591	1.55195	5.84579	5.69627	6.1223	5.99145	2.95663	4.79376	2.93839	5.363	5.79876	5.36067	5.47388	6.54946
PTPRH	7.23297	6.11134	6.2531	5.17832	5.33875	5.40929	5.56581	5.03455	5.09913	5.13703	6.8613	5.49854	3.25147	5.66958	5.25098	4.2961
PTPRJ	5.87972	5.90151	5.68136	5.62113	5.9769	5.28882	5.20142	5.39524	5.7102	6.60987	5.47752	5.96464	6.44984	6.20003	5.8704	5.61082
PTPRK	7.33981	7.85915	7.65557	7.19246	8.06065	8.27821	8.72521	7.70612	7.91133	7.34612	6.84366	7.04973	7.87786	7.67251	7.80799	7.75932
PTPRM	7.98398	7.94201	8.11737	7.87346	8.78314	7.92881	7.63211	8.00305	7.33179	8.27937	7.86967	8.08992	7.04241	6.48848	7.69174	9.62568
PTPRN	6.66963	6.3353	6.10036	6.37105	5.62483	6.21045	6.40898	6.7516	5.99481	6.41859	6.44039	7.23955	6.8233	5.93176	6.8177	6.19705
PTPRN2	7.21091	6.42602	6.1633	6.3778	5.45154	5.23842	4.31127	4.62508	5.06539	6.76871	6.30069	5.8846	4.3412	4.54546	5.48589	4.46104
PTPRO	6.06598	6.52676	6.20735	6.81587	6.93931	6.59438	6.22938	7.13792	6.44405	6.76679	6.90134	6.56296	6.50907	6.01927	7.29391	7.3959
PTPRR	3.50687	4.10106	4.26368	4.13444	7.0263	3.06011	6.2296	2.41572	5.72448	2.73293	3.64264	5.83128	6.83262	5.68304	7.21647	4.99763
PTPRS	4.66353	4.43787	4.4879	4.67276	4.64068	4.57777	4.78121	4.61514	4.25396	4.48397	4.26599	5.41227	4.74782	4.42363	4.41214	5.0671

PTPRT	5.88087	3.41586	3.23213	4.81051	3.24511	6.45718	5.58083	3.61778	3.33041	5.55753	3.0131	3.26763	3.34323	2.18939	5.3608	4.60548
PTPRU	6.96907	6.72968	6.92271	6.22361	6.66387	5.32297	7.00172	7.0964	6.68689	6.78541	6.44172	6.07969	6.95599	5.98945	6.1695	5.979
PTPRZ1	10.6075	10.2195	9.01679	9.73939	10.8485	9.59898	6.8502	6.90016	10.3951	10.163	9.52648	8.59487	5.96738	6.96211	8.94422	5.75373
PTRF	6.05326	5.74052	5.69771	5.12344	5.7837	4.91574	5.10469	5.12406	4.74035	5.99025	5.75808	6.18578	5.05847	5.11924	5.87321	5.042
PTRH1	5.42944	5.0418	5.30569	4.99543	4.55059	4.73627	4.40714	3.34891	4.71918	5.35585	5.50686	4.7443	5.30515	5.36625	3.88863	4.84871
PTRH2	8.7151	8.84421	9.29927	9.42515	9.94429	9.0488	9.50452	10.2227	9.06514	8.77566	8.87897	8.86357	9.81024	9.00855	8.93264	9.68695
PTRHD1	8.74734	9.29509	8.27087	9.17857	8.92819	9.30766	8.86357	8.15069	8.03184	8.36277	8.02205	8.79808	9.78849	8.35397	8.12724	9.27726
PTS	8.95046	8.53034	8.96148	7.84625	8.79808	8.35203	7.689	9.29432	8.32702	8.75873	8.62832	8.38431	8.75873	8.22892	8.21907	8.26769
PTTG1	8.84953	9.99925	9.43496	9.4267	9.68239	9.91603	10.942	10.6549	9.86852	4.81582	9.53709	10.2814	10.5619	10.9636	10.4448	10.4068
PTTG1IP	9.58269	10.1542	9.25806	9.05769	9.24021	9.77389	9.50874	9.05078	9.92065	10.4778	9.32342	9.38206	9.69974	9.16254	9.43176	9.51292
PTTG2	2.79297	2.69344	1.68451	1.63196	2.0729	1.4697	1.85693	2.13755	1.92414	1.74155	2.43603	1.31925	1.68682	1.78331	1.40126	3.16144
PTTG3P	6.57122	7.60929	6.41548	6.8966	8.01689	5.97527	7.95813	8.24601	6.84674	3.15532	7.21589	7.86057	7.70241	8.26232	8.86313	7.58986
PTX3	4.95075	5.47492	6.1118	5.49184	7.3113	6.30311	6.28657	6.8268	4.80597	7.03789	7.08612	5.45089	7.74071	6.25466	7.31824	5.29817
PUF60	8.74164	8.91549	8.59875	7.99147	8.66226	8.95696	8.8123	8.85679	9.02566	9.65609	8.93763	8.81561	8.80295	9.29585	8.70566	8.53182
PUM1	8.69402	8.39534	8.97179	8.51015	9.22028	8.98061	7.8754	8.61682	8.43314	9.20992	8.48891	7.94114	8.51084	8.9238	8.83277	8.37711
PUM2	7.92528	7.35599	7.07467	7.65828	7.5573	7.79105	7.73284	7.78548	7.93484	7.05931	7.33587	7.45236	7.05131	7.57891	8.03012	8.01689
PURA	6.50664	5.43505	6.68643	6.71256	4.91088	6.34562	6.69731	5.84212	6.67139	6.38914	6.24852	6.18181	5.93612	6.438	6.29584	5.89412
PURB	2.88015	3.80592	3.22117	3.23213	3.7606	2.63321	3.0573	4.95679	4.44708	3.93408	3.58961	3.42733	4.6132	3.36587	3.21508	3.44273
PURG	4.66374	2.58537	4.21387	4.85711	4.90609	4.91646	4.5033	4.81157	3.88656	4.2978	5.13261	4.83068	4.27513	4.45172	5.47955	4.19738
PUS1	7.69174	8.04951	8.28309	8.02454	7.50665	7.96128	8.21161	8.40497	7.59906	7.59032	8.0979	8.68396	8.08344	8.5267	7.74752	8.40158
PUS10	6.26194	5.90267	6.46847	5.95874	5.27456	5.83166	6.50979	6.44984	6.02788	5.80642	6.34299	5.77186	6.15616	5.96658	6.24092	6.18222
PUS3	6.79489	7.36223	7.27034	6.75167	7.62995	6.79557	7.8632	7.78582	7.63318	7.4773	7.45547	7.18028	6.95033	6.74974	7.41154	7.70549
PUS7	7.78067	7.98293	7.90366	7.98708	9.72748	9.31202	9.98579	9.59677	8.67223	8.17759	9.07714	9.1841	9.85111	9.46022	9.89037	10.4209
PUS7L	4.50343	5.45803	5.67544	5.24413	5.60661	3.94138	4.68296	6.13777	4.76092	4.39682	6.03898	4.34392	3.63292	4.75355	4.48323	4.18362
PUSL1	5.08775	3.46411	4.56226	3.1203	3.29261	4.60034	3.16512	3.90071	4.34561	4.5797	5.52251	4.37137	4.11284	4.57214	3.41773	3.58879
PVALB	3.35226	5.23593	5.10579	4.34058	5.83049	5.68938	4.58656	3.81494	3.95837	4.10188	4.69677	3.11416	3.42036	4.19488	5.57862	4.28288
PVR	5.04076	5.40016	4.61534	4.66701	5.19972	4.85088	5.40356	5.21372	4.60192	4.95919	5.04748	4.76537	4.86655	5.20862	5.30024	5.31293
PVRIG	6.55352	7.94829	7.38369	7.57667	7.55319	6.8728	7.28385	8.15382	8.23555	6.53433	8.13058	9.16584	7.80021	5.32976	6.84879	7.45093
PVRL1	4.48961	4.31674	4.12698	3.86418	4.01284	4.56438	4.72596	3.92173	4.04356	4.23705	4.71408	4.87584	4.48738	4.44748	4.77053	4.37922
PVRL2	4.60388	5.29298	5.21372	4.93246	5.00425	4.49015	5.43118	4.9789	4.54034	4.68519	5.09551	4.42592	4.94929	4.83933	4.45111	4.70611
PVRL3	5.30253	4.04274	5.86084	6.0218	6.87697	6.05975	6.43366	6.25598	6.55232	6.87431	6.10359	5.67321	6.132	6.2716	6.60444	6.6905
PVRL3-A	4.63015	3.48434	4.8564	3.25646	5.02465	4.3562	4.97647	5.95144	5.22283	5.24846	3.79556	4.94408	3.88172	3.46534	4.83898	5.36306
PVRL4	4.02962	3.80592	3.75788	4.26515	3.50802	3.67619	4.08418	4.42433	4.98208	3.79424	4.44278	5.60425	4.43617	3.90216	5.96315	4.16516
PWAR5	2.30837	2.51658	1.19537	1.80217	4.26628	3.6144	1.73976	1.96139	2.25875	1.59139	0.99002	1.91466	2.26476	2.22838	2.16493	2.36473
PWAR6	5.99707	3.76997	6.4091	5.61052	3.88108	6.42772	4.17998	2.8257	5.02373	6.64819	2.96145	3.45622	5.19477	2.78698	5.55021	7.11055

PWP1	8.19842	8.47614	8.44895	8.41149	8.16905	8.69038	8.73982	8.74665	8.76808	8.37199	8.56598	8.47306	8.39851	8.81753	8.71787	8.74446
PWP2	5.87321	5.56581	6.05846	5.87547	6.15584	5.70643	6.11992	5.92644	6.12946	5.81627	6.05003	6.076	5.57398	6.0528	5.71805	5.90353
PWRN2	4.26456	3.53934	5.76901	5.23682	5.31821	4.61339	4.24274	5.53955	5.15634	5.83426	4.6382	5.82871	5.39747	5.51228	5.52281	5.50829
PWWP2A	6.39914	5.62286	6.41737	6.73292	6.44674	6.44702	6.79723	6.2422	6.05626	6.11204	6.02088	6.26313	6.30673	6.18149	6.60229	6.25707
PWWP2E	5.88036	5.36574	5.1641	5.58056	5.10752	5.43256	5.20433	4.80362	5.18903	5.26698	5.31079	5.17955	5.19927	5.73158	4.70674	5.42087
PXDC1	6.53414	7.14657	6.02445	5.98014	6.65556	7.1324	7.29391	6.57067	7.24339	6.34789	6.75072	7.36846	7.25567	6.4679	6.90628	6.31677
PXDN	7.56186	7.70612	8.36439	7.13731	8.07048	10.9946	8.3527	8.53406	7.05226	8.75771	8.34789	8.20539	7.33179	7.46174	9.62422	7.30374
PXDNL	3.85425	4.46162	5.03564	0.64437	4.6969	0.67532	3.818	4.62117	3.81646	3.39891	1.51119	1.84666	0.76448	4.30792	5.74666	2.10224
PXK	4.71736	5.32082	4.8435	5.11379	5.39542	5.23193	4.70881	4.28059	4.94472	5.09503	5.2058	4.62412	4.87936	4.84626	4.55918	5.13968
PXMP2	8.63378	8.36968	7.29882	7.70929	7.62995	8.29568	8.66637	8.17211	7.92906	8.49751	8.47942	9.14795	9.2077	9.0587	8.70805	9.02378
PXMP4	4.92803	5.41438	5.38559	5.26908	5.37568	5.93474	5.40124	4.37359	5.48589	5.8635	4.24199	4.83511	4.77053	4.42298	5.15758	5.58948
PXN	5.01256	4.33243	4.88202	4.6592	3.72912	4.42101	4.51349	4.09669	4.67342	4.90131	4.93087	4.91313	4.41574	4.88779	5.00457	5.04665
PXN-AS1	1.96392	2.23621	1.73976	1.63196	4.77053	3.49365	2.23396	2.10233	2.97568	1.78758	2.68367	2.2269	4.20792	3.12884	2.21248	2.4155
PXT1	5.96988	3.89112	4.81549	5.03667	4.86049	5.19867	5.33349	4.9984	3.92436	5.65616	5.13528	5.32994	5.79876	5.00109	4.67029	4.92331
PXYLP1	7.58828	7.70673	7.70458	7.61233	7.95951	7.52611	8.04476	7.38979	7.02669	7.74978	7.69763	7.44838	7.6526	7.7726	7.61683	8.80651
PYCARD	9.24021	10.1952	9.60059	9.58716	10.371	10.9636	11.3436	9.74251	10.9732	8.34166	9.6978	11.3999	11.4157	11.3656	10.7267	10.9797
PYCARD	5.30988	5.19799	4.09823	6.08539	6.63752	6.28545	6.98769	6.14716	5.83403	1.96807	2.90046	6.54707	7.34437	6.9686	6.42156	6.24469
PYCR1	6.92944	6.33819	6.94374	5.5524	7.54991	7.72378	8.48075	8.42097	7.51294	8.47234	7.4605	8.21576	7.8819	8.04348	8.06643	7.83822
PYCRL	4.31556	3.20291	3.9636	3.97084	2.94105	3.20546	2.3531	3.58474	4.16584	4.48115	3.79556	6.02313	4.34627	4.20074	5.88021	3.83921
PYDC1	7.30374	7.31863	7.30083	5.63752	6.01803	6.4447	6.69688	7.37885	6.76797	6.82761	6.29956	5.73718	8.64692	7.10988	6.32101	6.84027
PYGB	5.79356	5.11766	5.40895	5.51616	4.52134	5.5016	4.98058	5.16028	4.8006	8.31951	6.47704	5.26618	5.39911	5.47935	4.62043	4.75295
PYGL	7.17804	6.99526	7.51264	7.18967	6.63514	6.22827	6.80078	7.2358	6.8336	7.30112	7.6183	6.61625	6.66461	5.11206	7.40878	7.64121
PYGM	1.26457	2.07729	1.44831	3.57686	1.3442	1.995	1.03884	2.75656	2.79078	1.00522	1.15042	3.36359	1.01457	2.65463	2.00801	1.21992
PYGO1	2.6746	2.6297	2.97258	2.51343	2.43813	3.111	3.3373	2.65754	2.48368	3.73049	3.11888	2.51778	3.07787	2.53415	3.34714	3.40212
PYGO2	5.82175	6.44576	6.11965	5.90975	5.81858	6.02244	6.33207	4.9541	5.97527	5.67672	5.44072	6.05337	6.01691	5.56375	5.5832	5.82442
PYHIN1	5.38864	6.44327	6.40363	6.32898	6.47473	6.12073	5.55384	6.2845	6.86503	5.43465	6.4501	6.50922	6.37591	5.54505	6.17538	6.12841
PYROXD	7.53607	7.50291	7.33565	7.67591	6.81451	6.59699	7.50047	5.74722	7.55335	7.36657	7.35385	6.9017	6.90246	6.62425	7.35032	7.22669
PYROXD	5.28081	6.30311	6.16524	5.4541	5.14641	5.85003	5.99397	5.53126	5.18024	5.29633	4.79183	6.00192	5.56396	5.66638	5.67953	6.2836
PYY	5.75483	5.66719	5.35761	5.13649	5.09432	6.61815	5.92983	6.10593	4.89066	6.02426	4.98956	4.94318	6.06428	5.27341	4.78736	6.581
PYY2	6.77052	6.6178	6.35513	5.38794	6.43699	6.18973	5.78123	7.58056	5.52833	5.91555	5.11218	7.26392	7.37788	6.08763	5.51275	7.00532
PZP	8.29356	6.54875	6.25827	7.27587	5.64209	6.49265	6.66656	6.08084	6.94544	4.70881	6.34043	6.87105	4.15694	6.1326	6.82399	5.59525
QDPR	7.00096	7.29117	7.27295	7.13366	7.40895	7.36564	8.05925	8.22455	7.16525	7.99451	6.45541	7.72891	7.91216	8.16934	7.28595	7.57667
QKI	5.94721	5.99998	6.49013	6.33267	6.20478	6.4707	6.10464	6.3277	5.97649	6.06598	6.83716	6.12544	6.1875	5.97667	6.57598	6.52429
QPCT	5.38177	5.10307	6.67065	6.089	6.37502	5.77015	3.35187	6.11959	6.77043	6.36903	6.87298	5.89092	4.39532	4.44959	6.36004	6.19705
QPCTL	4.0831	6.02858	5.91457	6.16304	5.76569	6.01899	5.92421	4.50182	5.33811	5.87159	5.51451	6.01474	5.69186	4.45641	3.59615	5.8013

QPRT	5.7287	7.14347	6.65525	6.35062	3.83175	6.44543	4.85299	6.36903	6.47102	7.04899	5.3948	7.70512	2.17097	4.2645	6.46975	5.03019
QRFPR	2.65839	2.34474	2.50291	2.22193	1.97947	2.67969	2.78886	2.731	2.07939	2.5437	1.98377	2.55562	2.23314	2.57571	2.3168	2.69842
QRICH1	5.67455	5.69831	5.31156	5.51577	5.51666	5.53311	7.47457	5.53149	5.49607	5.46829	5.55912	5.32281	5.29621	5.39798	5.36727	5.89071
QRICH2	5.01851	4.37518	4.16313	4.42997	5.57221	5.07913	6.67266	4.9984	4.6132	4.66095	3.77904	4.79449	4.20792	5.36454	6.07137	5.30548
QRSL1	6.43573	6.82125	6.45608	6.4737	6.70631	6.65991	6.05028	6.60175	6.57977	6.43229	6.31802	6.72516	6.59027	6.52544	6.7248	6.59622
QSER1	5.60835	5.80282	6.05262	6.05425	5.79118	6.41307	6.13088	5.91135	6.47236	6.62746	5.76497	6.51775	6.69406	6.00283	6.52849	6.27249
QSOX1	7.84852	6.43173	6.22981	6.87531	6.54303	6.3762	6.60087	7.18439	6.65377	8.86712	6.70439	6.17043	6.42486	5.81537	5.72034	5.92959
QSOX2	7.0851	6.45541	7.18251	6.94586	8.05282	6.49308	6.88573	5.50113	6.44484	6.48246	6.86192	7.62491	6.89099	7.56028	7.58232	8.70149
QTRT1	7.99574	6.37855	6.72816	7.19487	8.10309	7.01487	5.79032	6.85454	4.02473	7.44432	7.6884	8.58691	6.56658	7.75627	6.52996	7.90905
QTRTD1	4.54034	4.8375	4.76643	4.55918	4.83125	5.09878	4.47902	4.63208	4.62397	4.67236	5.1725	4.52282	4.61514	5.10572	4.37039	4.61825
R3HCC1	8.41335	8.31327	7.64835	7.72648	8.02241	8.0775	8.10916	7.63966	7.58677	8.80792	7.85291	8.84184	8.46973	8.41852	7.44518	8.62066
R3HCC1I	4.50167	5.40124	5.48131	3.81102	5.72269	5.31378	5.19111	5.67672	4.85406	4.54652	5.33889	4.2998	5.48864	5.5524	5.55308	6.1383
R3HDM1	7.01614	7.05497	7.08952	6.91606	7.2316	7.39921	7.20076	7.03191	7.21675	6.6449	6.58914	7.00157	7.00766	7.1351	7.23779	6.73147
R3HDM2	8.40309	8.26454	8.48679	7.99374	8.66637	8.37525	8.74074	8.13908	8.18415	8.01932	7.77017	7.83864	8.28774	8.75771	8.56201	8.18597
R3HDM4	9.00592	9.55408	8.9255	9.0587	8.67057	8.71787	9.01348	8.66383	9.00505	9.32763	8.83547	8.77929	8.78708	8.80295	8.90205	8.98463
R3HDML	3.19594	3.06378	2.65267	3.49407	3.03309	2.42212	2.56625	2.93245	2.90046	2.57765	3.54938	3.07028	2.34547	3.07586	3.35152	2.9809
RAB10	10.3343	10.5789	10.5345	10.5021	10.7696	10.3441	10.7308	11.3246	10.6686	10.1456	11.0674	10.1183	10.908	10.545	10.942	10.3871
RAB11A	8.98405	8.65974	8.67368	8.70013	9.16853	8.80295	9.76707	8.95046	8.54172	8.72582	9.04187	7.75932	8.79047	9.51582	9.03434	9.45067
RAB11B	5.1134	6.01722	6.57013	6.0519	6.06906	6.39369	5.96732	6.74657	6.24105	6.26814	6.18015	6.10971	5.69861	6.65595	5.93937	6.0437
RAB11B-	6.54472	6.3757	6.13585	6.17043	6.77952	5.86166	7.11527	5.55912	4.63727	5.81323	6.48637	6.88166	6.19879	7.11463	6.38874	7.1175
RAB11FI	8.2105	7.86385	7.36846	7.68737	7.82492	7.0195	7.63154	8.18359	7.64214	7.91179	7.57352	7.16569	7.14485	7.61518	7.01929	7.26072
RAB11FI	7.14657	7.17415	7.8415	7.21764	7.51623	7.65366	7.62934	7.33925	7.75127	7.35181	7.21296	7.0905	6.77516	6.56956	7.88823	7.55025
RAB11FI	6.08205	5.54288	6.50241	6.16082	5.483	6.43323	6.05489	5.8704	6.18015	6.81217	6.4328	6.58707	5.86526	5.99039	6.01907	6.30117
RAB11FI	5.64977	6.67407	6.17289	6.43998	6.53748	6.36933	5.29702	6.27213	5.46637	5.64066	5.46187	6.0536	5.92473	6.07628	6.33653	5.6452
RAB11FI	6.74241	7.42749	7.32741	7.51308	6.46001	7.27573	7.98398	7.49897	6.95795	7.39456	7.12136	7.38227	6.93102	7.17328	7.62815	6.76613
RAB12	5.11788	4.47042	6.57712	5.54198	6.35256	5.64227	6.36032	5.38153	6.61924	5.98662	6.77343	5.14578	3.89038	5.80973	4.94282	5.76261
RAB13	11.6606	11.7283	12.0258	11.9804	12.0385	11.7815	12.7329	12.0385	11.2693	10.9679	11.8106	11.8738	10.2496	12.3743	12.0835	11.9498
RAB14	6.66212	6.85261	6.88587	6.9948	7.09088	6.78968	6.87115	6.58567	7.18347	7.49656	6.84972	6.42911	6.83474	7.34016	7.06915	6.94813
RAB15	7.17635	7.00638	6.55469	5.99432	6.71031	6.4651	6.99839	5.27381	6.71374	8.05785	6.98295	6.70618	6.35401	5.84617	6.45045	5.0187
RAB17	7.36223	5.72566	6.68395	6.04278	3.80647	4.4329	5.07679	3.32868	5.48754	5.79159	3.84453	3.86376	4.28649	3.9712	3.61778	3.55993
RAB18	7.27438	7.06144	7.73933	7.39033	7.01379	7.72117	7.81563	7.24319	7.36657	7.49352	7.43728	6.93041	7.19274	7.322	7.54382	6.55834
RAB1A	7.54421	7.13034	7.87861	7.58583	7.35822	7.58986	7.10758	7.08193	7.29391	8.12675	7.71385	7.09873	7.60851	7.05409	7.30897	7.17259
RAB1B	8.47529	8.59024	8.19574	8.3822	7.94906	8.8583	8.41394	8.44123	8.74907	8.79858	8.71707	8.26406	8.6114	8.8719	8.39281	8.26257
RAB20	5.62589	6.32694	5.52262	6.9262	4.01168	5.56581	4.05802	4.73341	6.3021	5.16531	6.69058	6.6125	6.4737	5.36162	5.08498	5.01347
RAB21	6.91517	6.35133	6.63216	6.86793	6.8232	6.84318	7.23499	7.26761	7.49816	6.53899	7.38166	6.39062	7.42469	7.38189	7.05982	6.48966

RAB22A	6.86455	7.26733	7.41057	7.8431	8.02733	7.36602	7.88984	5.60636	7.16663	7.56657	7.92948	6.52209	7.39608	7.28046	8.05612	7.42558
RAB23	5.43864	5.76729	5.54973	5.56147	5.87211	5.60857	5.80945	5.62571	5.66737	5.19994	6.20463	5.12946	6.22601	5.7148	6.13872	5.65354
RAB24	8.69245	8.8861	9.61651	8.79695	8.66567	8.94302	8.69776	8.34589	8.55417	9.04557	9.5326	10.2341	8.31327	8.99205	9.27873	8.29662
RAB25	8.42938	8.87752	7.66086	8.05054	7.4195	8.20539	8.43314	8.33334	8.57221	8.50431	8.19961	7.70081	8.1354	8.96611	8.56834	10.0844
RAB26	7.40895	7.0163	6.9667	6.74484	5.8274	6.26341	5.99416	6.67737	7.17328	7.64368	4.71438	7.32333	6.31343	6.70344	6.32694	6.4551
RAB27A	8.03524	8.79526	9.53631	9.07417	8.81561	8.64803	8.33571	9.10997	9.40387	8.60332	9.84118	8.81989	8.56834	6.77582	8.38345	8.21596
RAB27B	5.57119	6.31288	6.70112	5.31111	5.71975	6.11888	6.65691	6.62723	6.87351	7.04836	6.61572	5.66671	7.05247	6.51834	6.6676	7.17234
RAB28	6.35153	6.13977	5.86281	5.85971	6.95773	6.66049	6.45815	6.67173	6.75295	5.91479	6.8099	6.00571	6.69058	6.66328	6.47564	6.66307
RAB29	5.47619	6.36493	6.36493	6.17098	5.71324	6.37855	6.46228	6.97702	6.86908	5.77244	6.43637	5.7566	5.68425	6.34383	6.48361	6.22601
RAB2A	6.62374	7.09419	6.93659	7.20912	7.20458	6.77456	7.57423	6.82812	6.9108	7.19274	6.99012	7.03653	7.26312	7.18028	7.15085	7.15152
RAB2B	7.95757	7.25023	8.07513	7.16525	8.21836	8.74074	6.95049	7.64799	8.22194	8.17338	8.24533	7.37222	8.37525	7.62838	7.71017	7.22985
RAB30	5.82956	6.49817	6.27576	6.5681	6.2118	6.17248	5.4737	6.39924	6.47297	6.45625	4.59609	6.46638	5.85064	5.94381	6.50721	5.56628
RAB30-A	6.0437	5.24887	6.67121	6.65253	5.89143	6.56131	6.47821	4.86906	6.39736	6.43689	6.49089	4.53976	5.48559	5.99998	4.81196	4.32396
RAB31	8.76808	9.19751	9.33697	8.63631	8.12782	8.52003	7.2057	7.94154	9.30916	7.80919	9.76893	8.53909	8.32646	7.8368	9.37098	7.98156
RAB32	6.95754	7.27047	6.99729	6.93537	6.99808	6.8247	6.9	7.98728	7.26448	6.77644	7.32554	7.4919	7.32647	6.44808	7.33233	7.38227
RAB33A	3.33951	6.44498	5.36067	6.63879	6.44565	5.84566	4.94479	5.55549	5.73556	3.39891	7.46847	7.11075	6.7985	6.04132	5.81981	5.70264
RAB33B	5.7457	6.30196	6.93899	7.45674	7.21213	5.73486	6.14478	6.98472	7.33205	7.27783	5.89151	5.95942	6.45214	5.92308	6.91889	6.82429
RAB35	4.92491	5.0266	5.03068	5.12745	5.23875	5.20104	4.72757	4.81738	5.63513	5.01314	6.88587	5.28812	5.40753	5.70887	4.94892	5.01495
RAB36	9.65997	7.53337	6.01952	8.42856	7.00541	7.30649	6.46361	6.77648	6.32121	5.29843	5.22442	6.68752	6.49605	7.89701	7.51898	6.35062
RAB37	8.46388	9.6193	8.28122	8.52368	7.71776	7.52217	6.39959	7.75348	8.71121	7.56462	8.27473	8.60718	6.50819	5.7076	6.93448	6.93646
RAB38	6.16109	5.44754	4.27028	6.09052	3.70286	2.72526	3.8062	3.37974	5.61701	5.76532	8.11142	2.94469	4.69241	6.03781	3.25706	3.26138
RAB39A	6.65883	7.06035	6.21965	6.57501	6.62425	6.74706	6.78271	6.44616	6.23123	6.55405	6.88898	6.91829	7.21742	6.66049	6.82543	7.25544
RAB39B	2.02388	4.56149	4.43372	5.25591	4.55658	3.48161	3.191	4.13444	3.1264	3.6025	5.02563	3.07641	2.57765	2.63607	3.96234	2.74107
RAB3A	5.86446	4.67521	5.93612	5.5785	5.9728	4.79793	4.38384	5.31438	4.94929	4.92142	4.94543	6.05868	4.86826	5.67943	4.73297	4.94079
RAB3B	3.85721	2.86655	2.47594	3.55219	2.08265	3.17712	3.61082	2.41329	2.45293	2.26034	2.49508	2.95261	3.02067	2.90406	2.53683	2.91429
RAB3C	3.31445	5.27002	4.196	4.89098	4.15245	4.32782	4.80597	4.82671	3.99805	4.82254	4.38162	4.09514	4.45043	3.4567	4.23345	4.43832
RAB3D	6.75957	6.9069	6.70956	6.19425	6.33267	5.94368	6.694	5.97527	6.34603	7.92948	6.68938	6.80543	6.35565	6.20342	6.13317	6.73353
RAB3GA	7.03954	6.35935	6.8718	7.35274	7.02199	7.08796	7.16903	7.22752	7.29733	6.562	6.97123	7.1301	7.22234	6.493	7.37763	6.6827
RAB3GA	5.55753	4.70756	5.41027	3.988	4.94013	4.11531	3.83857	4.34817	4.93727	5.68695	5.70221	6.05673	6.16413	5.97437	4.07595	5.19241
RAB3IL1	5.94789	6.53623	5.39353	5.49184	6.71883	5.55912	5.39676	5.93974	5.63045	5.40509	5.78593	6.27203	6.2273	5.61264	5.37466	5.99641
RAB3IP	4.17491	3.83648	4.48662	4.2492	5.02776	3.92493	4.41538	3.41904	4.25098	4.50053	3.74341	3.47669	3.89967	4.3624	4.58796	3.42499
RAB40A	4.51805	3.52573	4.04694	3.45327	3.22566	3.5373	3.70182	4.07245	3.71298	3.34275	3.27847	4.30571	5.19806	3.50494	3.80377	3.16144
RAB40A1	6.69137	6.57182	6.56087	6.59981	6.07037	6.92227	5.82817	6.62089	6.33445	6.67754	6.11906	6.47236	6.72676	6.30203	6.3927	6.50501
RAB40B	5.51756	5.84764	5.55021	6.17652	5.64281	5.40272	5.94198	5.47823	5.24948	6.31624	5.28109	5.14061	5.85869	5.53799	5.52616	5.56147
RAB40C	6.05143	6.00649	6.19879	6.46154	5.83323	6.23931	6.20579	6.05758	6.26403	5.71141	5.75171	6.21493	6.29119	6.14519	6.43493	6.02858

RAB42	6.13872	6.36978	6.58244	6.23627	6.4838	5.79691	6.89597	7.04386	7.67668	5.51424	7.68343	7.05622	7.93762	7.69867	7.56828	6.44129
RAB43	4.35866	5.03524	1.95191	2.72117	3.80647	3.40348	2.06028	3.91364	4.99837	5.57542	6.22305	5.9634	5.92669	4.41097	3.83184	4.32063
RAB4B	3.97	3.56819	2.82464	2.58828	3.59057	4.00784	3.6755	3.17146	3.58282	6.16561	3.6149	3.71438	4.05757	5.10272	4.00819	3.24808
RAB5A	7.05247	7.33274	7.14332	7.71686	7.0261	7.16189	7.15992	7.22399	7.26733	6.97788	6.82903	6.46694	7.43124	6.38407	7.08361	7.20767
RAB5B	6.93141	6.54445	7.08181	7.13821	6.16926	6.60829	5.9041	6.59641	6.60342	6.4665	6.38241	5.74024	7.05207	7.17031	6.95503	6.65436
RAB5C	6.54319	6.90081	6.03743	7.22146	7.01444	7.02799	6.32734	6.9731	6.39586	6.67817	7.65874	7.55487	7.39238	6.98711	6.70889	6.24882
RAB6A	5.99359	5.19799	5.31649	5.93381	5.40426	5.86266	6.30615	6.37566	4.47552	6.27933	5.56841	6.75972	5.8273	5.67663	5.4872	4.04867
RAB6B	6.04977	5.30315	4.66132	5.65821	5.91054	6.94586	6.13292	5.21937	5.24225	6.07045	5.42053	4.66867	4.94868	5.60742	4.96224	4.7747
RAB7A	5.7151	5.74699	5.37568	5.89644	5.94097	5.94835	6.40719	6.43116	5.86855	5.80121	6.3419	5.31649	5.73322	6.26018	5.91	5.91112
RAB7B	5.98749	4.6981	5.8191	5.22694	5.49973	4.84997	7.0893	6.92499	6.65971	5.68888	5.21987	6.8987	7.11055	5.28004	7.14735	5.73609
RAB8A	7.12832	7.78949	7.10867	7.13661	7.31319	7.03288	6.37833	6.56557	7.95951	6.14368	7.24292	6.68208	7.42706	6.83992	6.56768	6.63002
RAB8B	7.13054	7.44071	7.84356	8.21596	7.21604	7.69319	7.00326	7.7028	7.16333	7.19947	7.63825	7.72378	7.63101	7.17445	7.4919	7.27451
RAB9A	8.11253	8.65698	8.83206	9.22708	9.55838	8.82487	11.1559	10.6494	8.40005	8.88342	8.35528	8.63631	9.63286	10.552	9.71214	9.05706
RAB9B	5.45637	5.40205	4.11758	3.87736	4.05118	5.86266	5.72213	4.84732	3.65431	5.01	3.60639	3.99715	6.05873	4.41097	5.54464	5.2085
RAB9BP	3.25147	2.34474	2.61382	2.92162	3.48434	2.42212	2.56625	2.67421	2.43603	4.64479	2.70123	4.16718	2.88174	3.3814	4.29394	4.78652
RABAC1	9.1073	9.49577	9.55682	9.52648	8.55764	9.35677	8.48329	8.05323	9.08426	10.0458	9.38907	10.5789	9.54799	9.14549	8.41589	8.70076
RABEP1	6.48116	7.38822	7.20502	7.14971	7.24828	7.22466	6.79073	7.12681	6.9363	7.22695	6.97717	6.72244	7.02998	7.1549	6.92754	7.39378
RABEP2	5.5093	5.93318	4.78762	4.85088	5.39705	5.56444	5.28638	5.13036	5.41338	5.69615	5.56338	6.40325	5.89189	5.71755	5.42236	5.46729
RABEPK	4.21854	4.44124	6.02499	4.75238	5.03513	4.18392	4.2251	5.03773	5.93772	4.37001	4.66192	4.21802	4.32644	4.89207	4.56473	4.8471
RABGAP	8.60718	8.27535	8.40046	8.00595	7.98956	8.55202	9.00017	8.11278	8.69776	8.5739	7.54686	8.16124	8.07707	8.2149	8.21223	8.19911
RABGAP	6.67287	6.33858	6.47473	6.83319	6.55232	6.14001	6.81566	6.0605	6.77732	6.10324	6.23325	6.79335	6.56051	6.18979	6.58963	6.53433
RABGEF	6.73699	6.95057	6.03071	6.24835	6.11415	6.39244	6.90596	6.36077	6.6179	6.27228	7.04485	6.60482	6.61504	5.42053	5.8045	6.6179
RABGGT	7.1569	7.0576	5.4513	6.3884	6.86618	6.47253	5.32594	5.56628	6.2722	7.5206	7.67787	7.56065	7.35004	6.86345	6.69975	6.66639
RABGGT	7.37536	8.00005	8.55383	8.47257	8.76627	8.05738	8.32872	8.49813	6.8763	8.52475	8.60896	7.32679	8.19574	8.99912	8.57525	8.0146
RABIF	7.91303	8.11278	8.09882	7.63603	8.36086	7.80469	7.75653	9.51816	8.0775	7.72648	7.82787	8.47703	8.60404	8.03799	8.08567	8.30517
RABL3	5.60943	5.09342	6.15951	5.45391	5.81938	6.33704	5.45724	6.98607	6.63216	6.71275	6.49484	5.65752	5.52883	5.50938	5.68863	5.32479
RABL6	7.60613	6.69348	7.17259	7.43454	6.65808	7.17234	7.22828	7.07369	7.24216	6.75806	7.35149	7.7715	7.7665	6.69284	6.96067	7.4963
RAC1	7.66053	7.7785	7.49983	7.61431	7.34748	7.69659	8.94422	7.98789	8.27215	7.48154	7.9532	7.32444	8.4172	7.88327	7.99727	7.86725
RAC2	6.71622	7.08078	6.74434	6.94188	8.19737	7.2508	6.71717	6.79643	7.3013	6.01819	7.05497	6.08682	6.96309	7.74011	6.751	6.63394
RAC3	2.91334	1.88256	3.5252	3.46996	3.39606	3.52398	2.42155	3.90071	2.07939	2.44811	2.68367	2.71947	3.97703	2.91144	2.16493	3.26138
RACGAP	7.10829	8.06036	7.11937	7.22892	8.53855	7.99374	8.87515	8.69356	8.75966	6.26989	9.03764	7.58828	8.22106	8.51429	8.40549	8.76081
RACGAP	2.93125	4.16408	2.14348	2.22193	1.97947	0.61335	2.1009	2.43067	3.81646	2.12186	3.72995	5.07511	2.2085	4.47605	2.97605	4.89233
RAD1	5.98462	6.07538	6.40719	6.16644	7.27505	6.62473	6.3343	6.58286	6.90931	5.71298	7.12205	5.588	6.93448	6.31261	6.86436	6.59719
RAD17	7.08393	6.72816	7.50441	6.85861	7.01893	7.17913	6.66911	7.15053	7.30736	7.68956	7.21997	7.26141	7.35459	7.18007	7.03173	6.67527
RAD18	6.39896	5.90458	6.51248	6.76898	6.27345	6.06906	6.35819	6.66134	6.01546	5.66899	6.14323	5.75276	6.46694	5.88064	5.9748	6.74045

RAD21	8.00978	8.43726	8.57847	8.64334	8.73603	8.61682	9.19156	8.65974	8.71651	8.21095	8.30659	8.13334	8.8088	8.88559	8.89725	9.07205
RAD21L1	4.30918	4.52811	3.49203	4.49077	4.28059	4.8563	4.75746	3.97783	5.49645	2.94316	5.24924	3.9717	4.60513	4.25904	4.35866	2.90822
RAD23A	7.92161	7.80293	7.80556	7.54382	7.92217	8.04543	8.46273	7.85877	8.10791	7.8754	7.96108	8.11503	7.9074	8.00126	7.84964	8.08932
RAD23B	7.16436	6.50835	7.05953	7.05622	7.9765	7.64589	6.6676	6.85063	7.10969	6.60555	7.68633	6.4795	7.46031	7.88503	6.83587	7.52046
RAD50	6.78294	6.41307	7.00523	6.7284	6.55613	6.98142	7.61008	7.41994	6.67644	6.6685	6.5143	6.13554	6.65166	7.1002	6.87804	6.98197
RAD51	3.84757	4.94776	4.78714	4.01027	5.05088	4.72363	5.8995	5.55676	5.98416	4.73008	5.47477	5.34487	5.39317	5.11956	4.9654	4.86934
RAD51-A	4.67368	4.03714	3.72865	3.64617	4.25098	3.87292	3.36509	3.90594	4.57451	4.00507	3.81591	2.48941	4.05521	4.03231	3.88447	4.54858
RAD51AI	5.66575	7.49612	7.11147	6.46938	9.71962	7.66901	8.45848	7.68995	7.33026	4.55142	8.32646	7.25418	8.65312	8.54292	8.70149	8.76316
RAD51B	4.25238	5.01656	4.98125	5.39055	4.63389	4.73045	4.76445	5.28718	5.24647	4.57105	4.85148	5.11608	5.32867	4.80362	4.7443	5.27718
RAD51C	7.23063	7.68599	7.25954	7.6407	7.72681	7.5369	7.88093	7.23877	7.50291	6.98593	8.07801	7.73104	8.29176	7.70564	7.30969	7.88653
RAD51D	5.23021	5.92548	5.38452	5.63871	5.16241	5.56504	5.82281	6.50474	5.92857	5.80698	6.88661	5.84809	6.01966	6.48339	5.55115	5.68517
RAD52	5.85971	5.62925	5.37873	5.8521	6.50024	5.27088	5.11379	5.4378	5.15859	4.94559	4.59673	5.39491	5.39264	5.82413	5.9248	5.48188
RAD54B	4.69843	3.46411	3.16713	3.41062	6.93591	3.84347	6.37833	5.95144	5.87771	3.6977	5.25417	3.405	5.69754	6.85121	6.40392	6.91643
RAD54L	6.98274	7.20429	7.28011	6.58963	7.1609	7.18473	7.95378	7.47138	7.37305	7.16333	7.30945	7.71287	7.61581	8.1427	7.26183	7.65828
RAD54L2	5.90377	5.8361	4.8006	4.50899	5.84642	5.71612	4.91768	5.30469	5.29087	5.60928	5.31438	5.68679	5.30787	5.15827	5.41338	5.55737
RAD9A	7.58784	6.64127	8.03524	7.12855	7.78548	7.41978	7.33712	6.47034	7.88653	7.18732	7.25914	8.13158	6.97927	7.27491	7.66076	7.34315
RAD9B	4.94929	3.82827	5.00585	4.75492	5.0747	3.70654	4.18588	3.20382	3.92821	3.65902	5.24301	4.02718	3.97084	5.44364	5.29334	5.63112
RADIL	5.89711	6.87393	6.35317	7.34706	6.80229	7.25345	7.15085	6.66328	6.32432	7.83011	6.34737	7.22499	7.43691	7.38703	6.79281	7.40525
RAE1	5.91457	5.95874	6.04132	5.36028	6.48609	5.83371	5.92895	6.00571	6.43039	5.94974	6.63175	5.86075	6.17178	6.07064	5.93381	6.14022
RAET1E	5.22546	4.18531	5.72572	4.0617	5.24708	5.52122	5.06115	5.90934	4.92985	5.43853	5.24795	5.6454	5.30133	4.57214	2.3168	4.389
RAF1	6.86253	6.77786	7.69258	6.94865	7.77186	7.45025	7.12767	7.59021	7.62433	7.51529	7.21742	6.29235	6.30689	7.34582	7.33255	6.01341
RAG1	4.2981	3.86666	4.23009	4.97217	3.95546	2.9809	3.98391	4.369	4.48995	3.71345	4.72336	3.47567	4.59297	5.29829	3.75676	4.49015
RAG2	5.23193	5.18956	5.62378	3.6357	4.45424	4.44183	3.14316	2.17246	5.55208	4.78392	5.30084	5.21084	3.16183	3.31071	4.80513	5.28694
RAI1	6.5239	6.54247	6.62658	6.67266	7.05787	7.32145	7.13648	6.78488	5.86803	7.23561	6.29102	6.94991	7.15152	6.92754	6.88898	6.25751
RAI14	8.53336	8.00978	8.72779	7.47477	9.26758	8.59168	7.96289	7.48908	7.1053	8.06308	7.6495	7.47334	8.28199	8.71077	9.32986	8.70368
RAI2	6.82116	7.53139	7.59864	8.09628	7.07903	7.53552	7.70402	7.55351	7.4145	8.01193	6.1126	7.57402	3.43133	8.48923	7.7985	7.50047
RALA	9.04465	9.71027	9.39515	9.13234	9.94645	9.92274	10.8755	10.4028	9.9764	9.24862	10.2955	9.44403	10.4519	9.92959	9.86852	10.7308
RALB	7.14114	6.39369	7.37944	7.05818	6.36903	6.95023	6.65377	7.40489	7.49429	7.11489	7.268	7.0876	7.13034	6.37229	7.10162	6.67094
RALBP1	7.38917	6.70325	7.27669	7.08593	6.79262	7.64001	7.70787	7.11008	7.55589	7.37737	6.87216	7.32857	6.92854	8.00978	7.33565	6.7905
RALGAP	5.39197	5.71961	5.47551	5.13011	5.85506	5.2467	5.69861	5.20466	5.69615	5.74303	5.10517	5.00061	5.26786	5.03068	5.48792	5.6255
RALGAP	6.1223	6.23376	6.40185	6.01309	5.60515	6.01372	6.59123	5.31034	6.21387	6.50474	5.63462	5.19203	5.18154	6.36638	5.63629	5.74957
RALGAP	6.93502	6.6127	6.59787	6.83262	7.25051	6.79668	7.28084	7.16101	7.06434	6.93816	7.21035	6.91191	6.80929	6.43323	7.42749	6.48777
RALGDS	5.86754	5.31988	5.33851	5.41227	5.10247	5.67605	4.71386	5.60339	5.59457	5.34775	5.61012	5.91112	5.61701	5.61824	5.21878	5.8345
RALGPS	5.44522	5.69792	5.8509	5.74468	5.86382	5.89863	6.02949	5.19927	5.17906	5.80173	4.68051	5.11677	5.30337	6.02224	5.76532	5.66394
RALGPS2	6.19721	6.82394	6.80813	6.76443	5.97095	6.21741	6.24852	5.90328	6.46097	5.72103	5.98966	5.77379	6.44039	5.18133	5.71298	6.43268

RALY	8.70602	9.16963	8.62877	8.65974	8.02346	8.99912	8.24425	7.76286	8.46942	8.94345	8.94345	9.49763	8.71927	8.89663	8.0655	8.52058
RALY-AS	6.98662	7.42833	6.70042	6.73138	6.53519	6.89348	7.12499	7.22466	7.10829	6.77706	6.61088	6.88861	7.41543	6.89636	6.75745	6.91213
RALYL	2.77283	2.69344	2.82464	3.10053	4.89365	2.83735	3.12496	4.77096	3.27349	3.85542	3.45744	2.66471	2.75699	4.69923	3.03267	2.99971
RAMP1	7.91877	7.92399	8.22781	7.94023	7.36263	8.14326	8.35699	7.58483	7.72953	7.25116	6.79734	8.96611	7.60125	9.43543	7.88305	7.35953
RAMP2	3.57397	4.80979	2.46272	3.32481	3.60374	4.26501	5.49899	3.29115	4.89893	3.34275	3.70318	3.50641	4.44582	4.58936	4.93457	5.23546
RAMP2-A	3.61825	4.34723	4.55715	3.97703	4.1135	4.71261	2.97179	3.26061	4.38754	3.79701	4.71717	2.93642	3.72982	5.18553	2.55884	5.03644
RAMP3	5.81705	6.63787	7.59042	7.30909	3.84331	7.17176	4.23557	4.51886	6.46008	6.087	6.99889	7.63257	4.17756	6.25158	4.83434	6.37283
RAN	8.0875	8.85546	8.84421	9.12925	9.96657	9.48779	9.60364	9.71435	9.56326	8.50865	9.60364	9.29073	9.68889	10.0444	9.71584	9.31854
RANBP1	4.94242	5.15717	5.14127	5.20129	4.88716	4.9939	5.20552	4.99511	4.61206	4.79121	5.59856	5.17403	6.04351	5.8125	5.24808	5.57458
RANBP10	4.10524	3.84505	3.05064	3.36615	4.04638	3.54347	3.17553	2.94585	3.3789	3.25706	3.00817	3.39861	3.65093	4.23311	3.16713	3.46822
RANBP17	6.62658	6.59083	7.07392	5.12987	7.44226	6.8319	7.54382	6.58244	5.58467	5.72288	6.41685	7.10409	5.80993	7.28879	7.3888	5.95954
RANBP2	7.88036	7.81534	8.45287	8.06065	8.52058	8.07098	8.46622	7.83449	8.43537	8.27303	7.88588	7.90998	7.69369	7.89457	8.4499	8.217
RANBP3	4.52222	4.64035	4.10225	3.97447	5.03935	5.50142	4.71959	4.45956	5.35398	5.04103	5.48427	5.80567	4.83036	5.08546	4.45043	4.22464
RANBP3L	2.21029	1.58173	0.79531	0.07153	1.80599	1.95254	1.122	1.14774	1.00765	0.65546	0.62135	2.13113	3.03764	1.78331	1.22113	1.85717
RANBP6	9.15916	9.1073	9.37224	9.1668	9.71027	9.4407	9.9547	9.69136	9.22028	9.2707	8.99964	8.58123	8.87664	8.26568	8.95283	9.78359
RANBP9	6.07207	6.6267	6.15976	6.65595	7.19775	6.88127	6.5239	7.17188	6.02652	5.72913	6.86253	6.76951	6.08039	6.26776	7.02137	6.87275
RANGAP	6.22659	5.72735	5.86507	5.71831	6.95847	6.29614	7.03205	6.5815	6.93009	5.85017	6.83957	6.62048	6.92479	6.85861	6.80131	5.5755
RANGRF	5.84712	6.42136	5.44274	6.69985	5.87942	6.63908	5.1418	5.16375	6.18336	5.9634	7.21373	7.58117	6.21493	6.29404	5.50787	5.1722
RAP1A	5.36981	6.58666	5.76704	5.96919	6.1193	5.5143	5.76151	6.06505	5.53265	5.77696	6.02014	6.02617	5.935	6.10475	5.81123	5.91479
RAP1B	11.0741	11.3999	11.6889	11.2633	11.712	11.4157	10.4519	11.0154	11.4504	11.0289	11.565	10.7222	11.3656	11.2398	11.5105	11.1225
RAP1GAP	4.71933	5.59554	5.82465	4.77121	5.53181	4.69574	6.36658	6.22659	4.98499	6.55493	5.77092	5.41041	5.06762	5.5234	5.79724	5.69321
RAP1GAP	4.9403	5.07679	5.51437	6.66198	3.42572	7.50788	5.97229	6.54687	6.55951	8.05719	5.18054	6.91995	6.54598	6.17468	4.21327	6.42182
RAP1GDS	5.48108	6.96795	6.01309	6.31746	6.3021	6.55426	6.34464	6.13572	6.78945	5.6255	6.45401	6.33207	5.64371	6.32283	5.89586	6.13689
RAP2A	5.24694	5.43226	5.56699	5.48379	5.35652	5.66433	5.83334	5.02539	5.02539	5.33258	5.89846	5.95076	5.21296	5.58837	5.77227	5.72931
RAP2B	4.85376	6.52919	6.05602	5.48864	6.18875	5.96464	6.15616	5.23193	6.05388	5.40895	6.31646	6.30993	6.25249	5.95105	6.66307	6.62898
RAP2C	7.05087	8.3215	8.53743	8.38858	8.47942	8.82696	8.54726	8.84034	8.31214	7.84487	8.96445	7.5049	8.54913	7.98479	8.30594	8.10743
RAP2C-A	3.62466	5.02245	2.59102	5.20417	5.05393	2.93381	4.29522	4.76359	3.38569	2.88148	5.71334	5.06151	4.8611	4.44959	5.63729	3.29988
RAPGEF	5.45694	6.05489	6.44456	6.49559	4.91796	5.60707	5.43449	5.5775	5.17309	5.49545	6.02566	6.33267	5.92825	5.39833	6.089	5.68032
RAPGEF2	5.64816	5.65354	5.74832	5.40016	4.46942	5.9052	4.9792	4.47992	5.41489	5.33796	5.7957	5.29777	5.16305	4.49636	4.94868	5.47477
RAPGEF3	6.08422	4.89975	5.9171	5.29914	5.12561	4.31542	5.01713	5.62838	5.4315	6.64834	6.23481	5.99998	5.49356	5.52616	5.98237	4.76643
RAPGEF4	6.36044	6.0302	6.76847	5.87195	6.1833	6.37006	4.4029	6.7888	5.0222	5.51424	5.97046	5.28666	5.83698	4.935	6.35777	4.54565
RAPGEF4	5.70016	5.55145	5.77027	5.90124	5.84579	5.57083	3.32901	6.30523	5.99481	6.14608	6.36616	6.30064	5.76339	5.86194	6.26461	3.47381
RAPGEF5	4.69635	4.44693	4.64269	5.09432	4.95161	4.91553	5.68495	4.89126	4.93158	4.99664	5.12085	4.50668	5.24111	4.91432	5.49937	5.932
RAPGEF6	6.80069	6.77061	6.98197	7.15669	6.97485	7.16799	6.43709	7.00157	6.80489	6.41831	6.73005	6.67771	5.95367	6.71524	6.37253	6.69495
RAPGEF1	2.53024	3.04911	1.88755	1.89139	6.31957	3.6144	4.35645	2.61382	6.70719	1.63837	3.58961	1.73861	1.7762	3.27909	4.58644	3.13394

RAPH1	5.9634	6.10124	5.72697	6.5579	5.89679	6.09189	7.2941	6.95289	6.55313	6.04759	5.87229	6.13632	6.2843	5.76633	6.2478	5.8521
RAPSN	4.88056	5.48072	4.70118	5.38794	4.81676	5.60919	3.71929	5.19716	3.6792	5.86819	5.14155	5.29032	4.97252	5.86754	5.08159	5.64034
RARA	5.85667	5.20073	4.7908	4.34574	4.21006	4.63315	3.912	4.76131	4.87172	4.41516	5.34567	4.55035	4.31426	4.38066	3.84331	4.65329
RARA-A	5.44417	5.88552	5.60149	5.86647	3.55491	6.29087	5.2506	5.39962	5.99187	7.16815	6.54378	6.66575	6.10692	4.45641	5.12829	4.9541
RARB	5.02124	5.1722	4.9311	5.24084	5.2591	5.00284	5.32145	5.30787	5.07033	5.57283	5.26424	5.11655	5.09503	5.03113	5.11788	4.96966
RARG	4.14289	3.7924	3.94226	3.54421	3.90229	3.80894	4.14617	4.00429	4.18267	4.19043	3.9257	3.94882	4.12326	4.25827	3.95717	4.193
RARRES	5.05901	6.10253	7.91464	7.49794	4.05802	3.95789	3.91963	3.9222	7.44574	8.14618	6.20003	3.78483	3.98251	4.18123	3.42813	4.48551
RARRES	7.65437	9.57255	9.36362	8.85137	7.38113	8.48593	6.57608	6.91735	8.55417	7.84662	7.70022	10.5711	7.29217	7.75007	8.27429	8.31119
RARRES	9.03434	9.3797	9.58085	9.13461	8.68624	8.52303	8.01856	8.72483	9.81024	8.69462	9.7224	8.42097	8.71787	8.98153	8.10743	8.7622
RARS	8.02303	7.68471	8.35767	7.69492	9.22273	7.58505	8.37595	8.56737	8.8558	8.46688	9.2707	7.86365	7.78783	8.03892	8.69689	8.70235
RARS2	5.41414	5.16241	5.19399	5.22723	5.16933	5.22091	5.69191	5.15242	5.3453	5.27822	5.15403	5.27879	5.76497	5.31529	5.75276	5.27116
RASA1	8.5017	8.64714	9.04381	8.04247	8.55121	8.99832	8.43478	8.2853	8.63028	8.79526	8.49421	7.0893	8.77566	8.01409	8.3899	8.32646
RASA2	6.562	6.6623	6.85121	7.46733	6.15753	6.70802	6.83262	6.22981	6.47731	6.28311	7.22326	5.82205	6.97383	6.26814	6.68558	6.89588
RASA3	3.81298	4.50924	4.07985	4.76205	4.19961	3.92821	3.9222	4.04407	4.11962	3.99774	3.91161	4.87023	4.02826	3.62197	4.49537	3.9222
RASAL1	4.47464	4.61007	3.87968	3.9152	4.5792	4.5294	4.04638	4.17667	4.00961	5.22391	4.66635	4.2961	4.23705	3.56885	3.78714	4.75257
RASAL2	4.54584	4.05249	4.38995	4.42144	4.47947	4.52689	5.0747	4.17457	4.33201	4.64341	4.6711	4.17769	5.26406	4.08875	4.31762	4.6316
RASAL3	8.31785	8.38415	8.66637	8.50501	7.97302	8.12072	6.80609	8.04509	8.48329	7.01959	7.75146	8.85137	7.53627	6.83647	7.10725	7.55999
RASD1	8.05165	7.24729	7.76197	6.29102	6.92033	7.00766	6.34043	6.07842	7.23912	8.16431	7.32914	6.82096	6.54092	6.40133	7.21022	6.18553
RASD2	5.94267	6.1983	6.02901	7.16353	7.26997	7.37723	7.46182	7.45503	7.26665	6.84248	6.17866	7.08047	6.78161	7.45385	7.07077	6.68051
RASEF	7.09703	6.98662	7.12636	6.76368	5.78705	6.27203	7.04666	7.35989	6.49499	6.8921	5.5947	6.3022	6.05003	6.26989	6.00833	7.06945
RASGEF	5.042	5.75636	5.13097	5.35991	5.00573	4.6787	5.05998	5.49685	5.43626	5.50191	5.117	5.50547	4.67601	5.57669	5.13694	4.6779
RASGEF	4.25266	5.09271	4.47125	3.76742	5.22658	3.3464	4.52724	4.33795	3.7348	3.80301	5.48482	5.10469	5.84879	3.44159	5.19773	4.6954
RASGEF	5.10345	2.8813	2.81121	5.43104	3.0533	5.066	3.95924	4.92065	5.13985	5.06097	4.98736	5.11486	4.21419	5.55115	4.64145	3.96332
RASGRF	5.12406	3.92173	4.11962	4.56572	5.64557	4.61264	4.75041	4.8258	4.74007	5.24647	4.72113	5.07775	5.09486	5.02733	4.74007	4.9186
RASGRF	6.55067	6.82962	6.74754	5.1106	5.59616	6.30808	5.90626	5.56236	6.47253	5.6488	6.44381	6.62771	5.15466	5.4703	6.46387	5.42798
RASGRP	6.09415	7.59004	7.75653	7.62016	7.74497	7.46529	6.77648	7.76606	8.53215	6.61308	7.16916	7.03941	7.26605	6.65672	7.51841	7.46816
RASGRP	6.56296	7.392	6.9948	7.36428	6.74484	7.3425	6.61895	6.36517	6.57101	6.57488	7.18473	8.04821	6.36706	6.39439	6.35184	6.82917
RASGRP	4.24124	5.36331	5.12779	4.64035	5.57644	5.8557	3.50939	5.36254	4.90758	4.95657	4.78935	5.74152	3.71116	3.23291	5.24413	4.59206
RASGRP	3.81413	3.78397	3.78089	3.51167	3.85505	4.45963	3.82357	4.12351	4.01048	3.24368	3.50858	4.94079	3.41378	4.52188	4.06531	3.24005
RASIP1	3.09158	3.31831	2.88297	2.07858	4.22313	3.06985	2.29738	3.29594	2.41683	3.22378	3.53819	1.96491	1.87883	1.62441	2.23029	4.01206
RASL10A	4.15633	3.11174	3.48538	3.80706	3.53849	3.99858	4.23557	4.03916	3.9348	3.72029	2.70123	5.82023	4.369	3.42962	4.19913	3.1481
RASL10B	4.21672	5.58637	5.1755	3.88075	4.70049	4.39393	4.87894	4.67236	3.9761	4.50759	3.8488	4.80155	5.46907	4.36536	4.84543	4.23787
RASL11A	4.83558	6.31526	6.14565	5.93903	5.36557	5.45803	6.49304	6.6295	3.98331	4.9891	5.91823	6.95333	6.50567	5.78705	4.12102	6.0005
RASL11B	4.91397	4.66492	5.08353	4.42547	4.7148	4.77643	5.05177	5.09944	3.9536	5.31968	4.45196	4.55677	4.89742	4.59445	5.22533	4.61765
RASL12	6.84283	6.72462	6.7946	6.56182	6.46539	6.91554	6.4978	7.13865	5.75308	7.36756	6.41816	6.47821	6.46401	6.56239	6.10475	6.89769

RASSF1	4.81177	6.79347	6.88386	6.58707	6.09404	3.65332	3.64382	4.35762	6.30604	7.42749	6.98197	6.35595	5.70272	4.06652	4.25827	4.91222
RASSF1-	2.55807	3.11174	1.92303	2.61385	2.63482	1.85868	2.78886	2.98628	1.87545	2.50603	2.95531	4.67459	2.62575	2.16332	2.94685	2.19188
RASSF10	6.65541	6.59208	7.31898	7.22511	6.03933	8.0941	8.13469	4.86698	6.10182	7.37148	7.0247	7.16495	6.84674	7.46847	7.11147	5.98518
RASSF2	6.87509	8.47869	8.14952	8.29317	8.63992	8.17146	7.2577	8.96485	8.19323	7.72891	7.87124	8.34589	8.13632	6.22411	8.55202	7.90044
RASSF3	5.61012	6.3643	5.8784	6.49184	6.2399	7.14827	6.80329	7.0227	7.37585	6.2833	6.57122	6.23856	6.50381	5.06736	5.94021	5.6426
RASSF4	4.03368	4.25015	4.93822	4.40116	3.871	4.30608	4.4803	4.43996	5.60835	4.12326	6.09988	4.88503	5.01322	4.01736	4.47767	6.0536
RASSF5	6.14874	7.154	6.48575	7.40382	6.71459	5.78123	6.29087	7.14421	6.62269	6.7602	7.40581	7.31268	7.55265	6.11334	6.42187	7.43605
RASSF6	7.45408	6.09815	6.99749	6.63553	6.78294	7.12819	6.13977	5.74699	6.96182	6.19616	5.12314	6.99143	7.01656	7.10387	6.69265	7.42808
RASSF7	8.42097	8.30791	8.10258	8.01756	7.71299	7.82145	8.60522	8.09465	8.02925	8.05986	7.91464	8.32756	8.45232	8.15536	7.63318	7.85515
RASSF8	4.62158	4.81676	5.26485	5.14307	5.51976	3.95889	5.56185	5.06897	4.98009	4.63727	4.9796	3.86719	4.06264	5.32334	5.40205	4.82325
RASSF8-	3.67301	3.81013	4.03231	4.02452	4.67471	3.87225	4.4062	4.29832	5.00773	4.41344	3.83893	2.77474	4.03799	3.77982	4.62017	4.04505
RASSF9	8.82316	6.8412	6.44056	6.02266	6.74706	7.25163	8.79361	5.54219	7.08255	5.20401	4.72967	5.89602	5.49464	8.45141	7.31427	9.58912
RAVER1	6.11935	6.05809	5.87779	6.46024	6.66485	6.09415	5.54511	6.36564	6.17628	6.25178	6.81597	6.48178	5.96423	6.77516	6.986	6.25847
RAVER2	1.92303	2.98217	2.51368	2.62826	3.59806	2.32134	2.04143	1.76372	1.95671	1.77186	2.05479	1.71618	2.03544	2.2672	3.48415	1.97446
RAX	5.70671	4.63759	6.08253	4.38405	5.27562	3.6144	5.37804	4.31688	2.97568	3.93408	5.39741	5.89994	5.47935	5.72006	5.84343	5.79864
RAX2	7.22972	7.07295	6.92116	5.5987	6.36778	6.95795	7.87596	6.91137	7.88065	6.41144	6.98458	7.37222	6.73759	6.78172	6.85132	6.53972
RB1	6.11067	8.34712	7.43404	7.24603	7.89942	8.01756	8.63946	8.30243	7.63463	7.67128	8.03646	8.33571	8.39318	8.07874	7.73231	7.96917
RB1CC1	8.29871	8.1889	8.48009	8.26476	8.27879	8.41589	8.61181	8.07707	8.26204	7.91731	7.65029	7.72243	7.94631	8.12724	8.33735	8.41276
RBAK	5.25098	6.10217	6.37512	6.4995	6.70583	6.36032	5.43578	6.22501	5.81836	5.30537	5.95457	5.46994	5.6613	5.66548	5.58578	5.49284
RBAKDN	3.98673	2.86158	3.13257	3.6357	3.22566	3.01096	4.10344	3.53745	4.16584	3.31009	4.33293	3.32466	2.90755	3.18151	3.42703	3.40822
RBBP4	6.48524	6.4651	6.85438	6.84461	6.8731	6.76772	7.55025	6.60644	6.75738	7.15768	6.65093	6.2804	6.94208	7.13034	7.24603	6.66212
RBBP5	6.09165	6.39896	6.80563	5.65354	5.21916	6.22008	6.31242	5.30926	5.99792	6.76762	6.20342	5.75224	6.03398	5.72434	6.23562	6.2462
RBBP6	6.3343	6.25794	7.09419	6.64772	6.34228	6.82985	6.53395	7.06996	6.79971	6.34146	6.51597	6.67459	6.26547	6.29651	6.94552	6.21634
RBBP7	10.5911	10.7105	10.6118	10.8206	10.5021	10.7308	10.9359	10.942	10.6118	10.6273	10.7017	10.6854	10.4068	10.5021	11.008	10.5711
RBBP8	8.68624	8.3069	8.79526	8.14238	10.7467	9.83943	8.55042	8.8528	8.2633	9.221	8.90271	8.88035	9.39322	9.9764	10.3741	9.72612
RBBP8NI	5.74003	5.71334	5.20817	5.63391	5.68373	5.8754	5.43281	5.57186	5.446	5.56785	3.72069	3.47261	3.55868	5.61679	5.98501	5.71535
RBBP9	5.47117	5.39705	5.64142	5.7287	5.83395	5.56929	5.27742	6.17961	5.80613	5.32234	5.53362	5.64447	6.1534	5.54156	5.79795	5.67887
RBCK1	8.18359	8.76808	8.22616	8.32756	8.23628	8.7291	8.89519	9.01865	8.898	8.3496	8.64502	9.32986	8.89592	9.04721	8.55255	8.15692
RBFA	5.8311	6.47202	6.3586	5.76118	5.65222	5.71442	5.56418	5.77662	5.46406	5.06359	5.87462	6.4813	6.31181	6.16082	6.1132	6.4978
RBFADN	6.09844	5.68639	5.51639	5.00585	5.95819	5.9978	5.82637	6.2504	6.09131	6.31064	5.35185	5.35968	5.30388	6.03981	6.36968	6.30364
RBFOX1	4.38066	4.23422	4.41614	4.69252	4.32423	4.13729	4.09091	4.35988	4.57882	4.56192	4.1487	4.8249	4.9186	4.87525	4.85113	5.13629
RBFOX2	5.91869	6.07982	6.27307	6.02602	6.0757	6.63529	6.52407	5.94805	6.22295	6.28563	5.11379	6.39369	6.20277	6.48947	6.19649	6.01754
RBFOX3	4.19646	5.36786	4.91198	4.73045	4.70419	4.46324	4.55066	4.99004	4.17266	5.20662	3.87518	3.67528	4.12524	5.44159	4.09041	4.28044
RBKS	9.42229	8.70368	7.85599	9.20892	8.01323	7.45526	8.43072	8.56598	7.89062	7.97191	7.15669	7.99279	7.66053	8.34076	7.65533	7.75423
RBL1	5.04878	5.796	6.3927	5.56061	4.95474	5.93676	6.21656	5.99707	5.66772	6.4954	6.2296	5.85761	5.979	6.19359	5.63605	6.44513

RBL2	6.20812	6.29639	6.68462	6.71442	6.47613	6.10943	5.87618	6.15488	6.10997	5.93022	5.89013	5.67192	5.72213	6.05447	6.32189	6.20022
RBM10	8.37711	7.7049	8.12039	7.81498	8.25549	8.14952	8.62967	7.58161	8.09229	7.85105	8.15363	7.76969	7.21604	8.23984	8.11781	8.07912
RBM11	4.9939	5.31079	4.39215	5.78328	4.53186	5.22596	6.38359	4.63743	3.91489	4.91332	5.44001	4.55254	3.79701	6.38505	4.54565	3.03549
RBM12	7.29993	7.13792	6.90107	7.19009	8.20228	7.54137	6.97525	7.32785	7.3713	7.45503	8.01278	7.02957	7.0853	6.94061	7.48777	7.67333
RBM12B	5.97235	5.19056	6.5719	6.86138	7.06345	6.68462	7.03026	6.5982	6.67459	5.47271	6.40719	6.0054	6.80312	6.54748	7.12084	7.25848
RBM12B	2.55807	2.56774	4.03916	3.61465	0.75071	3.79752	2.0296	3.15288	1.98342	3.2328	2.86424	2.10229	1.22969	1.27177	1.08679	0.9979
RBM14	6.21158	6.68462	6.35462	5.93989	6.04829	5.92197	6.62843	6.68886	5.84195	5.70246	6.41627	6.51148	6.62122	6.53633	6.26621	6.2968
RBM15	6.233	7.01721	6.99511	6.53804	7.06488	7.3786	7.36564	7.51588	7.18574	6.14992	7.2774	6.96845	6.6892	7.15377	7.02009	6.01522
RBM15B	7.46213	7.75305	7.39559	7.7121	7.54638	7.57994	7.48683	7.5219	7.322	7.69258	7.46689	7.76523	7.71255	7.58264	7.76155	8.0016
RBM17	7.22234	6.57801	6.2427	6.66307	6.62173	6.47888	7.17328	6.65633	6.87531	6.31108	6.74124	6.06581	6.46304	7.01699	6.81873	6.59293
RBM18	6.55112	7.21373	6.16815	6.89723	7.16525	6.99578	6.64277	6.59083	7.10326	6.97362	7.20659	6.73634	7.00057	7.10916	7.25848	7.17104
RBM19	5.90626	6.55586	5.69337	5.07693	6.14859	5.35079	7.21934	6.55633	6.87019	5.50719	5.67382	6.90974	5.87114	7.8819	6.77644	6.26246
RBM20	7.04514	4.73279	3.0093	6.26566	6.45198	3.18781	6.05868	5.23337	4.77313	5.64594	4.96638	3.45239	3.03764	6.70552	5.59831	4.96263
RBM22	6.49655	6.68544	6.32223	6.18713	6.55209	6.27938	6.52805	6.24397	6.85564	6.33337	6.62877	6.50257	6.41532	6.23778	6.57401	6.49365
RBM23	8.9396	8.55383	8.45757	8.66768	9.33951	8.29809	8.4526	9.10481	9.04007	8.98463	8.77378	8.61743	8.74527	8.62066	8.74983	8.68206
RBM24	8.86583	7.87296	6.43615	8.26876	6.24105	6.43048	5.64301	5.60903	6.29946	6.90986	4.93717	6.29302	4.84193	4.72155	6.19114	3.35278
RBM25	7.16101	6.61915	7.53361	7.14209	7.10635	6.58818	6.51684	6.8106	6.89281	6.82575	7.14383	6.66271	7.04587	6.70673	6.82962	7.13317
RBM26	5.42372	5.77944	6.06289	6.09844	5.39676	6.18379	6.49155	6.40793	5.59123	5.66158	5.91335	5.27864	6.1716	6.10535	6.3797	5.97509
RBM26-A	4.50944	2.85325	2.71531	3.46403	4.30301	2.57293	5.8637	3.18013	2.2056	3.78662	3.17289	1.65518	1.70848	6.37493	5.20936	3.74274
RBM27	7.38512	7.13904	7.41172	7.25567	6.72816	7.35304	7.52611	6.98991	7.27143	7.27451	6.91101	6.97362	7.54087	7.36913	7.22695	7.22466
RBM28	7.66901	7.41075	7.04472	7.50575	8.14326	7.70755	7.89659	8.58419	7.65208	7.46689	8.22106	7.60091	7.76799	8.01647	8.02477	8.51784
RBM3	7.53221	8.08673	7.70647	7.85064	8.13277	7.5276	7.35459	6.89374	6.72205	8.49182	8.17211	7.93138	8.32269	7.67932	8.13446	7.78353
RBM33	5.19266	5.02733	5.41589	5.06616	5.65675	5.27456	5.73085	5.45206	5.55308	5.32281	5.56314	5.60113	5.2229	5.49882	5.58872	5.32967
RBM34	6.11493	6.24558	6.19313	2.90159	6.53234	5.8657	6.70844	4.80693	6.03712	6.32705	6.44039	6.02702	6.84849	5.76092	5.954	6.2767
RBM38	7.94829	8.2162	7.65344	7.68134	7.22267	7.4535	7.41136	7.65308	7.17188	7.63902	7.39834	8.05368	8.11962	7.70929	7.34693	7.53191
RBM39	7.66374	7.01158	8.6216	8.37038	7.92906	8.07048	8.07142	7.76072	7.893	7.68698	8.09594	7.62934	8.41589	7.96489	8.15997	7.8415
RBM4	8.15253	8.48679	8.63421	8.15305	8.42443	8.95146	8.8262	8.74527	8.90826	8.69101	7.08612	7.90171	8.36968	8.55727	8.59959	7.88746
RBM41	4.28615	4.66254	4.65169	2.99797	4.38674	4.66	4.46349	4.72271	4.25882	4.22464	4.52451	4.50716	4.58478	4.53976	4.23866	4.3961
RBM42	6.91614	7.28271	6.24827	6.52222	7.77681	7.58806	7.80711	7.73311	7.8664	6.24136	7.29802	7.21396	7.25808	7.41172	7.11489	7.48951
RBM43	6.14519	5.33989	6.57832	5.97145	5.56198	6.13804	5.18334	6.24118	5.93989	5.42456	5.99814	5.55973	5.69321	5.9206	5.89353	6.0939
RBM45	6.77008	7.06102	6.41769	7.16051	7.42441	6.83957	7.05849	7.39988	6.94457	7.20856	7.06405	6.68041	7.18753	6.76542	7.34135	7.51679
RBM46	3.46534	3.57809	2.64592	3.20991	3.63542	3.07311	3.77177	4.06738	3.07918	3.38369	3.52053	2.75807	3.32935	2.46835	3.40263	3.72694
RBM47	4.98208	4.81738	4.81141	4.95874	4.66919	4.40714	4.81648	4.62587	5.52577	5.35839	4.85334	4.32453	5.1141	4.92341	4.96826	4.85572
RBM48	5.53265	5.91026	4.71235	5.46099	5.17437	4.97832	4.98727	4.66492	5.31511	4.83353	5.79118	5.59929	5.24859	5.38244	6.09333	5.41144
RBM4B	7.89942	7.51793	7.69193	7.70022	7.70912	8.15253	6.62245	7.68134	7.72467	7.41505	7.41527	8.1768	7.1222	7.76668	7.76594	7.68174

RBM5	7.17279	6.17762	7.56828	7.3061	6.67407	6.97815	5.78564	6.60467	6.86998	7.33082	7.03457	7.27478	5.97927	6.5296	6.85158	7.11849
RBM6	7.02233	4.83667	7.88862	6.87912	6.60293	7.79231	5.82721	6.14455	6.58326	5.88373	6.48214	7.2181	5.71612	5.92675	5.27534	5.477
RBM7	7.47911	7.45647	7.90928	7.70859	7.92999	7.07599	7.24572	6.87351	5.53424	7.73538	7.73231	6.12371	7.57827	7.22016	7.48357	7.75334
RBM8A	7.12545	7.59324	7.48872	7.64614	7.20295	7.34189	7.26214	7.61626	8.0296	7.73397	7.85698	7.40862	7.48357	7.33152	7.33587	7.58702
RBMS1	7.02866	7.23955	8.3979	8.06968	8.89342	8.59531	8.30791	8.02733	8.2773	7.18817	8.22674	7.52006	7.419	7.79314	8.40249	7.88093
RBMS2	5.60407	5.5234	5.59856	4.71386	5.00891	5.80803	4.67844	5.06097	5.41796	5.979	6.04759	4.94203	4.88353	4.94172	5.10065	4.67844
RBMS3	4.61686	4.74517	5.21117	5.42657	4.17798	4.87368	4.92282	4.15423	4.84227	5.27864	4.34392	4.52354	4.44065	4.72867	4.98157	4.25938
RBMS3-A	5.24859	6.49089	6.06571	6.21304	5.8772	6.83848	6.16746	6.2427	6.34863	6.6317	5.92292	5.15888	6.52595	6.33371	6.10475	5.64034
RBMX2	7.95029	7.96246	7.93806	8.37808	7.94437	8.44501	7.59935	7.79591	7.76286	7.49517	7.70349	7.92801	7.89722	7.87018	7.46409	7.59324
RBMXL1	5.86933	5.81135	6.43699	6.36484	6.06808	5.44159	5.99194	3.58474	5.56217	6.16561	6.5128	6.39148	6.29404	4.24417	4.64145	4.69773
RBMXL2	2.07267	3.34048	2.23882	3.05435	2.23712	3.46635	2.43813	2.15536	2.69205	1.80918	2.51343	2.92343	2.44104	2.11842	3.25118	3.22089
RBMY3A	2.92343	3.02906	3.805	3.86359	4.75008	3.80871	4.74517	4.39426	3.37794	2.5254	3.34983	3.332	4.19998	4.88154	3.40051	4.44022
RBP1	6.78618	6.51834	5.3869	5.91931	4.96439	6.77193	7.24445	6.81827	4.73504	6.49155	7.15768	6.88201	4.99121	6.60839	6.72743	5.10724
RBP2	5.11682	6.01017	6.5209	4.49557	5.82427	6.05262	5.33349	6.47688	5.75016	5.56444	5.28039	5.27702	6.38109	4.65943	5.1764	6.42316
RBP3	2.79297	2.41683	5.3987	2.93958	3.36671	4.05393	3.27441	1.96139	3.75611	5.18807	3.90646	3.38388	2.73615	3.60186	3.53974	4.82236
RBP4	2.97525	2.92706	2.7882	2.78886	2.60104	2.49961	3.43394	2.71947	2.86736	4.84399	2.80891	3.00175	2.87137	2.98553	2.87252	2.70506
RBP5	5.67948	6.63967	5.26091	6.14424	4.14049	5.45803	5.14257	5.49524	4.6793	3.07203	3.49378	5.56476	4.44582	4.6285	5.00761	5.91883
RBP7	6.47743	6.55067	6.77758	6.46847	6.56076	7.04386	7.98276	6.79149	5.27471	7.44217	6.64693	6.45075	6.4138	5.64126	5.56375	5.27933
RBPJ	7.91464	7.32963	7.35068	7.80799	8.08518	7.94351	8.18597	7.36211	7.90366	8.16792	8.06728	7.3713	7.01211	7.31755	8.37142	7.53607
RBPJL	4.31556	4.68339	4.25955	2.0998	5.0419	4.03667	5.78423	4.58008	5.74444	3.87941	3.52473	4.52724	4.38612	4.37922	5.29656	4.5359
RBPMS	5.66519	5.95799	5.93894	5.19773	5.23955	4.84059	4.55142	5.14354	5.31846	6.46428	5.49741	5.15109	5.12603	5.11766	5.18445	5.30388
RBPMS-A	7.16146	6.86287	6.1103	6.29983	5.88734	5.83	5.94351	5.39962	6.0054	6.28135	5.85017	5.54537	6.20535	5.42053	5.31453	6.69783
RBPMS2	3.09851	2.95972	3.13257	2.85497	1.69898	6.50096	2.27576	5.74316	4.61934	5.541	3.69464	3.08704	2.75699	1.72157	3.32134	3.27231
RBSG3	3.19594	6.17887	4.8564	5.48246	5.60769	5.86266	5.87497	5.73312	5.446	3.00855	5.53911	6.13746	5.88405	5.55549	5.9209	5.44287
RBX1	10.2257	10.269	10.1842	10.7755	10.4548	10.46	10.7222	10.1334	10.1781	9.51684	10.5124	9.99505	11.2324	10.2628	10.4883	10.7134
RC3H1	6.0495	6.13753	6.52006	6.49982	6.9415	6.84013	7.55335	7.04472	7.11889	6.39528	7.1371	5.74642	6.34544	6.68175	7.27505	6.41007
RC3H2	5.91431	5.87462	6.18061	6.28468	6.04874	6.37629	5.8257	6.02475	6.35256	5.95993	6.37737	5.9567	6.1983	6.04735	6.36201	6.28503
RCAN1	5.20142	5.45419	5.4645	5.25736	5.18263	5.39366	5.83426	6.07687	5.55632	5.53039	5.70562	5.40101	6.02652	5.60113	5.76967	5.20742
RCAN2	6.80649	7.72953	8.31557	8.03371	7.06717	7.59745	7.23063	7.37885	7.63045	8.97528	9.28935	6.9762	6.47493	6.79872	7.74284	6.04946
RCAN3	7.54948	7.21647	6.72689	7.22559	7.50555	6.22437	6.05129	6.16466	6.25369	7.05342	5.935	5.84328	6.08253	6.89788	6.5777	6.30759
RCBTB1	5.42087	6.31242	5.43004	5.42868	4.78149	5.77322	5.43485	5.61052	5.94499	5.72608	5.61194	5.582	4.83417	5.63887	5.43532	6.58326
RCBTB2	6.59837	6.21387	7.69134	6.21965	6.78618	6.49559	5.76053	5.80335	6.47933	6.40041	7.09252	7.01211	5.69337	5.58003	6.73309	6.72148
RCC1	6.53748	6.91856	6.4523	5.59486	6.8657	6.40363	6.79985	7.17515	6.25921	6.60087	6.91249	5.99792	6.07868	7.00217	7.12352	7.15768
RCC2	9.33845	9.46666	9.35144	9.04187	9.62902	9.65609	10.3563	9.27986	9.43005	8.89725	9.44547	9.64158	9.53098	10.7105	9.92065	9.73529
RCCD1	5.19512	5.14196	5.23969	4.81378	4.81497	5.08129	5.662	5.45508	4.86513	5.29298	5.28328	5.38422	5.0289	4.82547	5.09944	5.52577

RCE1	6.3204	6.65043	6.99387	6.32405	6.07859	5.25261	6.23796	5.84978	6.46938	6.72205	6.1326	5.65877	5.36625	5.21372	6.03276	5.48792
RCHY1	6.03276	6.54223	6.23856	6.176	6.56543	6.56402	6.27726	6.55687	6.76973	5.93291	6.96229	6.47704	6.45975	6.06669	6.5016	7.23832
RCL1	5.50917	5.74749	5.64301	5.65222	7.35544	5.82316	6.60053	6.44164	5.81578	5.27249	6.13912	6.71808	5.94198	6.0939	5.88563	6.85993
RCN1	9.05644	8.35656	9.67089	8.0157	10.5276	10.4362	9.66727	9.91339	10.4519	10.6392	9.62162	9.78359	10.1606	9.4889	9.97015	10.4548
RCN2	9.03229	8.42736	8.88035	8.46562	9.83281	9.35952	9.91866	8.22729	8.54398	8.12106	8.18597	8.8844	9.59327	9.63723	10.1183	9.87044
RCN3	6.14992	6.20342	6.89922	6.26293	6.42667	6.7877	6.38787	6.80649	6.80889	7.30458	7.02035	6.86529	6.38062	6.60496	6.94031	6.31537
RCOR1	6.7557	6.73522	5.44954	5.82532	5.8704	5.1034	4.76709	5.58617	6.3496	6.90055	5.57103	5.54336	5.39366	6.11134	5.58885	5.78106
RCOR2	6.36044	5.85624	4.97462	6.7396	6.13292	6.92733	6.45222	6.07103	6.55232	5.7354	5.4109	6.93089	5.64923	5.73322	6.36799	5.20552
RCOR3	6.62398	6.54702	6.0186	6.24425	6.85132	6.7602	6.53457	6.70631	6.61308	6.37347	6.48293	6.43161	6.87697	6.2573	6.74871	7.2034
RCSD1	7.7621	9.61082	8.98871	9.06063	9.02378	8.46273	6.85126	9.28163	8.77123	7.55817	8.95773	8.74446	7.31075	6.96952	8.3014	8.32213
RCVRN	3.52524	2.77081	3.74811	3.02476	3.50802	2.69944	3.18384	4.35762	3.25201	3.82085	2.34474	3.64264	3.36189	3.66246	4.30494	3.20278
RD3	3.64066	3.27087	3.9636	6.0554	3.83175	3.78772	4.45365	3.60236	3.38569	5.49383	4.07031	4.04754	5.42243	4.02841	3.4529	3.39583
RDH10	7.11147	7.27505	6.76466	5.98281	6.21767	5.84754	4.82733	5.89251	7.08446	5.27776	6.09189	5.89013	6.0422	5.40235	5.21762	5.3531
RDH11	6.82086	6.66184	7.1961	7.11889	7.28113	7.4807	7.05162	7.61598	6.81873	7.06708	7.21396	6.34146	7.76459	7.22377	7.26649	7.27394
RDH12	2.04089	3.40176	2.14348	2.03633	3.33875	2.24655	2.31492	2.83945	2.13825	3.29126	5.76347	1.97567	3.58948	2.22838	3.01721	2.4366
RDH13	6.61541	6.22886	6.46361	7.07769	6.11348	6.61672	7.03131	6.88109	6.65613	6.1875	6.46428	7.01184	5.83509	6.15629	6.26776	5.96744
RDH16	3.9256	4.16408	4.026	4.05472	4.28892	6.41941	9.06178	7.64286	5.75622	4.3268	4.132	6.9745	6.71791	6.00568	5.09806	3.96332
RDH5	7.88327	7.96005	8.04634	7.20323	7.58461	8.00448	7.68368	8.02825	7.60929	7.93589	7.28212	7.36492	7.67005	8.02694	7.82828	8.25224
RDH8	5.3204	2.49227	4.40922	5.99734	3.48434	4.17971	5.76629	6.01489	5.89854	4.81582	5.86142	6.32393	4.39532	3.50494	2.94685	4.13063
RDM1	2.85784	3.62805	3.77106	4.43678	4.05118	3.45096	4.10344	6.0932	4.59228	2.19868	3.63292	4.06571	4.07063	5.54064	3.80883	4.74709
RDX	4.42592	5.60069	4.85938	4.96907	4.69272	4.66023	5.11909	4.75008	4.62298	5.16102	5.10428	4.61686	4.96263	4.67844	4.72113	5.02791
REC114	6.69863	6.71161	6.72166	6.7396	6.46176	5.67691	5.47072	6.41151	6.44576	6.20798	6.28422	6.3492	6.8775	6.74255	6.35116	6.96808
REC8	5.74303	3.78089	4.7492	4.40173	4.02247	5.08461	4.42144	4.81876	4.54628	4.33068	4.75654	4.80845	4.97	5.20433	4.24728	4.72058
RECK	5.51275	5.05601	5.54853	5.57283	4.5001	5.17658	4.978	4.91154	4.4005	5.34551	5.54126	5.4025	5.17955	4.95002	5.05177	5.0084
RECQL	7.12866	7.74792	8.1354	7.80515	8.81055	7.04341	8.79695	7.82408	7.9407	7.02379	8.50431	7.46613	7.73143	7.48154	7.63682	7.70929
RECQL4	4.99704	6.09333	5.46952	5.02605	6.90931	6.64633	8.05368	7.30333	6.90283	5.04076	7.63792	7.69052	7.26291	7.77708	7.04973	7.66888
RECQL5	3.9717	3.68155	4.63084	4.27526	3.88402	3.52782	3.30564	4.60918	4.23557	3.53349	4.10435	4.46892	3.79013	3.81646	3.94849	3.20991
REEP1	6.11761	5.36964	5.4297	5.53516	2.88209	6.06544	5.53265	5.14928	5.0129	4.65792	5.45677	6.21679	5.41634	5.20903	4.50783	3.8556
REEP2	4.01048	5.46805	5.62881	4.67707	3.88843	4.61747	6.81119	7.03877	5.65192	4.86372	3.89949	6.86641	6.43871	5.60866	4.84205	6.72081
REEP3	6.31548	7.34967	5.58111	6.9017	6.40363	5.25642	5.12489	5.19838	4.73241	5.78073	6.82752	5.57494	7.27221	6.45687	6.38382	5.60943
REEP4	7.36274	7.31941	7.65997	6.91448	7.81516	7.31561	8.40947	8.10362	8.02537	6.94359	7.86216	8.1556	8.02036	8.51972	7.63792	7.77339
REEP5	9.56952	9.66114	9.819	9.64485	9.04381	9.38206	9.59898	9.50874	9.88728	10.1211	9.31511	9.0354	9.35677	9.06963	9.06394	9.15916
REEP6	4.72849	4.45523	2.14348	2.4789	2.18367	2.24655	2.06028	2.04007	2.95663	3.05259	2.80891	2.38821	5.30913	2.01506	3.25706	4.90886
REG1A	4.90477	6.35641	6.59614	3.6357	6.33846	6.23343	5.27542	6.01092	5.446	5.97829	3.86158	6.59049	4.8611	6.50827	5.76895	6.63002
REG1B	3.44273	5.27329	3.0591	2.85497	3.61465	4.45264	3.10453	3.43351	3.38569	2.93344	3.21922	3.41704	4.65932	3.54384	5.62812	3.57557

REG1P	2.63482	3.27087	2.99564	2.00313	1.69898	2.60961	3.29192	2.731	2.79078	3.65408	3.06624	2.95936	2.68899	1.6809	2.7465	2.10224
REG3A	3.81533	4.31762	5.07033	5.59457	4.49636	4.17056	4.30655	4.68101	3.82451	3.83921	4.0846	4.56108	5.52199	5.17875	4.33482	5.56599
REG3G	3.52524	3.50584	4.9024	3.41062	3.52527	3.88596	3.18384	3.21508	3.65431	2.85867	4.22425	4.17474	4.08241	4.2359	4.22871	4.99562
REG4	4.43787	5.41316	5.70764	4.4917	4.82189	5.33652	5.64142	5.33833	5.30772	5.8345	5.31136	5.62533	4.92249	4.97661	5.0271	4.84227
REL	6.21965	6.39231	6.65718	6.43147	6.37898	6.47973	7.45606	5.98353	6.7905	6.38407	6.37168	6.17961	6.42644	6.60899	7.67899	6.78362
RELA	6.54247	5.84579	6.22582	5.91698	6.5815	6.53972	7.31362	6.43728	6.38452	6.40621	6.44083	7.21844	6.57618	5.94368	6.6374	6.14157
RELB	6.36395	6.71451	5.90303	6.45625	7.36263	7.09751	7.1782	7.09511	6.30355	6.1833	7.07804	7.63902	7.24216	8.31214	7.08341	7.41994
RELL1	5.8266	6.29719	6.51161	6.16667	6.3542	6.39736	5.69427	6.72122	5.99873	6.39556	6.5016	5.9407	6.14229	5.6255	6.23723	6.83262
RELL2	6.74939	7.03401	7.27175	6.98119	6.9109	6.6866	6.30615	6.64123	6.95429	5.8969	6.89221	7.45295	7.09703	6.87431	7.1008	7.02532
RELN	7.04386	6.65209	7.43749	6.52222	7.09026	7.17993	6.32531	7.11159	6.61221	8.66567	7.45198	6.63967	7.58117	6.41313	6.67644	7.22098
RELT	3.64066	3.64032	4.22425	4.00732	5.68755	6.47821	5.1853	5.32306	3.82945	2.88148	6.28422	6.52948	5.30133	6.55955	5.06097	5.06428
REM1	7.78755	7.27587	7.60563	6.91814	7.58828	7.31408	8.2773	7.85064	7.58413	7.66326	6.94704	7.21911	7.23912	7.62599	7.45472	7.56707
REM2	4.96173	5.58056	6.46394	6.25794	6.82917	4.9488	3.77935	4.92065	6.08246	4.35645	3.64053	5.94601	5.18671	6.92604	4.77313	6.23843
REN	5.14061	4.26036	4.1682	4.24629	4.07562	2.74824	4.47022	4.69169	4.18653	4.34627	4.36479	4.17474	4.46842	4.41888	4.13924	4.58158
RENBP	2.96659	4.3216	4.13924	4.04694	3.75099	3.96435	3.71929	2.2672	4.16584	3.02948	2.34474	4.61373	3.72312	3.0362	3.64338	2.76844
REPIN1	6.49817	6.02652	7.013	6.88661	5.73685	6.27307	7.7049	6.32063	7.35571	7.19055	5.38104	6.20976	7.48154	6.67407	7.46505	5.51451
REPS1	5.73121	5.71853	5.53516	4.06358	5.6694	5.21609	5.75357	6.50605	5.79876	6.1556	5.09432	5.34359	5.88152	5.84835	5.72477	6.28135
REPS2	4.23895	5.7566	4.54858	5.00573	5.31079	5.10392	5.33204	5.27976	4.68091	5.8839	4.23277	4.83812	3.191	4.34691	4.84269	4.26025
RER1	8.99568	8.69194	8.90271	8.7993	8.28199	8.54257	8.52405	8.70805	8.50644	8.4703	8.82316	8.74907	8.66913	8.57946	8.38151	8.50717
RERE	5.5131	5.26485	5.55129	4.8729	5.15109	4.8242	5.12131	5.91026	5.65354	5.52553	5.59274	4.8882	4.97462	4.45424	5.00608	4.99227
RERG	5.57918	5.57862	5.88125	4.2061	4.11908	3.60684	1.93131	4.20397	5.24965	6.20554	3.55509	4.38512	3.66935	4.59114	6.00238	4.53215
RERGL	3.22144	1.8084	5.59723	5.68446	5.51128	3.391	3.70182	4.46162	3.22752	6.1908	2.18694	1.77016	2.36805	4.30792	1.31925	2.84751
REST	6.75295	7.14809	6.96182	7.10697	7.20429	7.36129	7.18879	7.49816	7.4647	7.79314	6.67233	7.68663	7.87079	7.3786	7.67932	7.71299
RET	5.97293	6.31307	5.94608	6.67664	6.36353	6.57618	7.09477	6.29754	6.41345	6.36589	6.07538	7.1503	7.36696	6.3057	6.8113	6.86277
RETN	3.28382	5.07679	3.69741	4.07003	3.97307	3.601	5.44093	3.55509	4.2251	3.36001	7.17031	2.61134	3.66589	4.3596	3.04901	3.87671
RETNLB	2.56749	2.87672	3.55696	3.0564	2.82453	3.31171	2.85077	2.97525	2.98922	2.89287	3.14254	2.58413	2.37886	2.71114	2.42354	3.34937
RETSAT	8.19737	8.61743	9.13461	8.51199	9.4407	8.58514	9.06609	8.70701	8.60686	9.05969	8.47869	8.74665	7.97399	9.40387	8.8123	8.38687
REV1	6.39439	5.42031	6.54	5.90531	5.78073	6.07859	6.52377	5.2242	5.42007	4.874	6.12207	5.76203	5.97729	5.31006	6.89979	6.39736
REV3L	6.28468	6.63624	7.55367	6.70457	7.15615	7.26714	5.4746	5.99039	6.09307	6.89723	7.17104	6.48735	5.78133	6.77117	6.87129	6.63146
REXO1	4.94808	5.58111	5.94835	5.3421	5.09394	5.13157	5.16701	5.51666	5.36859	5.33224	4.5453	5.5975	5.29959	4.94577	5.935	5.81036
REXO1L	2.04089	1.74177	2.07548	1.93131	1.64332	1.85868	1.63196	2.04007	1.76451	2.23712	1.82109	1.80953	1.97096	2.25724	1.74155	1.85717
REXO2	5.27149	5.16648	5.45592	6.34383	5.59206	4.70238	5.20104	5.18381	5.55605	5.06452	5.86281	6.15307	5.41438	4.75966	5.17737	4.98849
REXO4	7.86869	8.00881	7.87951	8.16237	7.37649	7.9767	7.72547	6.53931	7.55755	7.91065	8.45546	8.99912	8.14205	8.39318	7.30694	7.8738
RFC1	6.62122	6.1613	6.67705	7.27909	7.35599	7.20856	6.9368	7.48872	7.7162	7.63825	7.41022	7.27047	7.02558	7.4919	7.46368	7.44432
RFC2	5.914	6.51789	5.71685	4.82982	6.13654	5.41855	5.57283	4.57543	5.4365	5.51152	6.59027	6.51508	6.79912	6.90514	6.39439	7.06405

RFC3	6.02828	5.24225	4.75769	5.52073	6.88815	5.87819	6.8872	6.77456	5.46243	5.96974	7.38533	6.4906	6.90081	7.10758	7.29091	7.2316
RFC4	7.55185	8.4593	8.22892	8.31755	9.12067	8.58624	8.91873	8.83956	8.96961	7.68737	9.26222	8.51364	9.08964	9.04127	9.14361	9.36777
RFC5	4.90131	6.08239	5.39469	5.6878	6.24386	6.54247	6.93843	6.24943	6.54082	5.30024	6.44872	5.45592	6.61115	6.48665	6.1733	5.88098
RFESD	4.99264	5.12665	5.55652	5.23842	5.9914	5.93259	6.14149	4.71878	5.9209	5.63879	5.88216	3.88656	6.30457	5.68944	4.9958	6.01839
RFFL	5.48246	6.54303	6.52147	6.71555	6.01017	6.2013	6.40793	6.52564	6.61097	6.31597	5.9784	6.89505	5.59711	6.66994	5.77721	5.98826
RFK	8.53486	7.94114	8.6144	8.12724	8.02382	7.88823	7.92358	8.19276	8.2181	8.55517	8.97745	7.87079	8.36651	7.38556	7.84521	8.44211
RFNG	7.49252	6.58914	6.88048	6.34538	6.18701	7.30095	6.86307	6.15898	7.42688	7.81934	7.165	7.96021	6.961	7.36352	7.48264	6.2223
RFPL1	4.49797	5.06897	5.25704	4.92187	5.00222	3.8966	4.79774	5.39317	3.69577	4.78962	4.5939	4.74678	0.76448	4.39545	3.08134	4.78056
RFPL1S	3.98673	3.23142	3.72265	4.99785	1.73976	3.46064	4.008	1.67907	2.22165	4.39244	3.52473	4.42289	1.63986	3.3814	1.85273	4.05789
RFPL2	3.50034	4.85943	4.01284	5.03262	4.86049	3.52398	5.57489	4.74882	4.24079	4.10188	4.49355	5.03092	5.38015	3.70919	5.28471	4.43638
RFPL3	6.56853	6.59871	6.6582	6.81741	6.80673	6.20277	6.52664	7.04836	6.56098	6.90986	5.67044	6.91433	6.60293	6.66394	6.9139	6.81608
RFPL3S	4.89951	1.71163	4.81041	5.48763	5.49591	4.71726	6.91871	4.92969	4.65881	4.92663	4.26713	5.06679	4.81507	5.81659	5.6169	4.17756
RFT1	6.72968	6.60555	6.63499	6.81827	6.25208	7.00489	7.09703	7.20266	6.36138	7.35478	6.27174	7.05063	6.59011	6.87115	6.54748	7.18879
RFTN1	5.91892	6.32869	6.01282	5.59237	5.97859	5.76901	5.30158	6.5162	5.99118	5.66827	6.15282	6.17008	5.74052	6.28563	5.64557	5.99946
RFTN2	4.5667	5.67113	6.18119	5.64319	5.72288	5.9621	5.54991	5.42776	5.70357	5.96658	5.28812	5.74456	4.33657	5.56444	6.08317	5.64993
RFWD2	7.19405	7.05622	6.5885	6.3586	7.99046	6.94552	6.25838	6.54403	7.34693	7.02351	7.39005	6.8872	7.08717	6.85158	7.2057	7.65726
RFWD3	5.95608	5.51616	5.8555	6.06352	5.57221	5.39264	6.33808	3.67908	6.50219	5.68265	6.35125	3.11416	6.95773	6.54284	5.72382	6.95764
RFX1	4.12287	4.35243	4.9792	4.45447	4.52326	4.48662	5.19903	4.59004	4.42755	5.04268	4.51664	4.24709	4.96907	4.54077	4.35575	5.08302
RFX2	6.80087	6.12478	5.82053	6.19068	5.77214	5.8995	5.80597	6.53064	6.33721	6.13518	6.24639	6.3762	6.37229	6.02692	6.12594	5.99062
RFX3	7.5453	5.77633	5.32566	6.76064	5.47117	6.00213	5.14398	5.63452	4.86491	4.94021	5.782	5.21203	4.65072	5.12697	4.46469	6.78707
RFX4	3.91275	4.24417	3.51239	3.76414	2.67331	4.65232	4.14477	3.33573	4.04041	3.08198	3.6778	3.4133	5.0543	3.71345	2.83415	4.2448
RFX5	7.25243	8.32579	8.11898	7.78837	8.94422	8.40947	8.85906	9.39668	8.92659	7.50708	8.53406	8.83744	8.31119	8.89011	8.91149	9.31202
RFX6	2.68367	1.9808	2.82464	4.85334	2.21727	4.21021	5.18039	2.58708	2.25875	4.81582	4.488	2.75185	3.54537	3.57546	4.31399	3.16144
RFX7	6.66494	6.28624	6.50752	6.28982	6.54125	6.60922	6.74754	6.27896	6.16097	6.45975	6.27134	5.50142	6.02617	6.73338	6.39556	6.57951
RFXANK	7.93509	8.16518	7.41961	7.88305	7.81046	7.97022	7.18981	7.30255	7.65477	8.07963	7.40248	8.69613	7.62288	8.07686	7.77814	8.36455
RFXAP	4.93071	4.71037	5.14689	5.18024	4.83452	4.36192	4.71588	5.09749	4.72757	4.01369	5.11563	3.23083	4.26501	4.88397	4.87083	5.30787
RGAG1	6.18149	6.72304	6.38034	6.53849	6.24105	6.96157	6.29119	6.48592	7.20076	6.47015	6.01839	6.54916	6.80863	6.41451	6.56645	6.37955
RGAG4	5.96988	4.35031	4.72787	4.28639	5.24068	5.75265	4.61995	4.28482	4.44708	6.42492	6.6448	5.97829	2.8623	5.4269	4.4703	4.2961
RGCC	5.11589	5.34551	5.94111	5.82134	5.35812	5.31438	4.34414	6.46039	5.00035	5.29349	5.2126	5.88242	5.75607	5.59883	5.54541	6.00991
RGL1	9.54173	9.24021	9.56208	8.92258	9.64158	9.70215	9.819	10.2011	9.83745	9.23642	10.0518	9.19438	9.18052	8.88247	10.3045	8.9826
RGL2	8.62967	8.07629	7.97105	7.88746	8.73887	8.79858	7.73007	7.26312	8.69069	8.43478	7.53953	8.59024	7.76031	7.24036	7.06274	7.80984
RGL3	3.85815	4.5554	4.09547	4.24019	5.07257	4.49898	4.49636	4.04682	4.28288	4.88861	5.00773	5.11924	4.55237	4.64303	4.24599	4.88962
RGL4	3.61236	6.96741	6.63305	7.36492	6.67694	5.61194	3.57168	3.92749	6.55951	5.68695	6.52729	6.99978	6.65491	5.81335	4.98795	5.15376
RGMA	6.28689	6.66387	5.62694	5.03131	5.79816	6.85524	6.74227	5.45924	6.41319	6.51878	5.84978	6.88035	6.76269	6.31886	5.65306	6.77226
RGMB	4.75996	5.28021	4.67817	4.41812	5.14162	5.09175	5.04513	5.17658	5.2073	6.05489	5.12733	4.05064	4.07529	4.28687	4.28639	4.70214

RGMB-A	5.64699	4.92195	3.79811	4.32526	3.44117	3.30682	4.99931	3.43351	4.41574	3.65408	3.71153	3.86376	3.14193	2.16332	4.34246	5.05177
RGN	6.12758	6.32837	4.67099	5.79795	4.36498	5.60571	3.89026	4.70767	5.90883	8.60184	5.47955	6.76316	2.98256	4.95231	3.94704	4.37426
RGP1	8.5267	8.52697	8.8284	8.57592	8.36968	8.38858	8.38007	8.41589	7.97212	8.53406	7.99228	8.64857	7.34628	8.15803	8.2561	8.17759
RGPD4-A	4.09491	3.21812	4.75104	5.35874	3.62835	2.36638	5.67516	3.15288	4.11778	4.85694	2.54194	4.01677	6.24882	4.95783	4.83434	5.38936
RGR	4.48511	4.01369	3.86022	4.32106	3.77739	4.05802	4.28869	3.78253	4.95287	4.65356	3.97032	4.60972	4.23681	4.42419	4.74559	4.43787
RGS1	6.05447	6.33769	6.6676	6.50281	8.27019	7.29391	6.78618	7.60227	7.095	5.92895	7.82975	6.95057	7.76969	6.93431	7.88503	7.00261
RGS10	6.10324	7.24927	6.92547	7.08864	6.78245	6.89922	6.0322	8.07849	7.59643	6.12821	6.90541	7.72821	7.04081	6.21843	7.41593	7.72774
RGS11	3.82524	3.31792	3.6839	3.64053	4.03082	3.45352	3.02155	3.79701	3.5358	4.0178	3.44223	2.91561	3.56531	3.67897	3.3464	4.21305
RGS12	5.78811	5.42382	5.05638	4.80177	5.02813	5.21352	5.3317	5.51727	5.27065	5.09667	5.21219	5.30736	5.25974	5.43894	5.29344	5.23996
RGS13	4.32644	5.37804	4.6921	3.55871	3.96071	4.78042	3.53466	4.23422	5.21912	3.18151	4.11091	4.1954	4.08953	3.20546	4.46262	3.90987
RGS14	5.2071	5.75747	5.61594	5.72232	4.99511	5.53684	4.65072	5.31564	5.01049	5.42798	5.3347	5.23487	5.28942	5.7588	4.52489	4.97312
RGS16	5.75858	4.94318	6.15596	5.08775	5.8864	5.89935	4.88552	6.30117	5.7373	5.60785	6.17362	5.16933	5.76919	5.98807	6.51983	6.27623
RGS17	6.03361	4.01765	5.81948	5.18214	5.57221	5.25333	5.51451	5.73921	5.00335	5.32454	5.37493	4.31399	6.08394	5.70403	5.73768	4.51207
RGS18	4.37472	6.3538	5.84244	6.47523	6.32989	6.51077	5.1034	6.72244	5.41662	5.18249	6.52829	5.55865	6.41596	4.49472	6.30215	6.41202
RGS19	7.23414	8.8897	8.17272	8.53855	7.44712	8.31755	7.46304	8.65511	8.1136	7.20266	8.29592	9.33233	8.77378	7.78199	8.44366	8.13992
RGS2	8.0828	8.57221	9.00505	9.01455	9.26606	8.8893	7.97484	9.07205	10.1277	8.96715	9.51037	8.7592	8.51568	7.3395	8.74446	9.55682
RGS20	3.58961	4.27754	3.34015	3.22893	3.23532	3.13971	4.28984	3.36969	2.94176	3.89634	5.34584	3.80004	4.21035	4.27105	3.97999	4.05249
RGS22	9.15119	7.60146	5.78447	7.85291	3.98376	3.42836	3.49217	3.34245	4.7523	3.58913	3.40575	5.58973	3.53101	3.16811	3.16274	3.38208
RGS3	6.70631	6.54841	6.37043	6.17811	5.63698	6.41345	6.3797	7.18753	7.07656	6.98426	7.30409	7.28538	6.72452	6.41991	6.69348	6.3443
RGS4	4.74517	3.30838	5.17622	4.26924	6.04314	4.93804	4.40913	5.1356	4.09906	4.55658	4.9034	4.9034	4.89423	5.43226	5.85594	4.85621
RGS5	5.22658	5.16375	5.64905	5.80613	5.24647	6.27623	5.67796	5.94097	5.59616	5.48642	4.68891	5.34463	4.77579	5.35681	7.2013	5.40179
RGS6	3.15207	2.87454	2.79904	2.66669	2.79701	2.92289	3.28662	2.72078	2.88857	2.89864	2.79557	3.3535	2.80132	2.94033	2.55745	3.4133
RGS7	5.51713	5.27575	5.65565	5.98304	5.79169	5.57304	5.61731	6.14323	5.13528	5.95754	5.45357	5.34036	5.73121	5.71298	5.27088	5.67035
RGS7BP	4.81992	1.7774	2.38251	5.00785	4.40686	2.65434	2.42155	3.10948	4.16584	1.96807	2.45719	3.79097	2.98256	4.73364	1.44837	4.89742
RGS8	4.17266	4.06894	4.41182	4.93822	4.24336	3.32776	5.40376	5.6896	5.84548	3.89749	4.08503	3.63165	4.63552	4.18506	4.72517	5.3128
RGS9	6.23145	7.13758	6.48403	6.14705	6.93102	6.79158	6.7273	7.05637	6.72277	6.60293	6.60834	6.06084	6.29404	6.38308	6.19375	6.17056
RGS9BP	3.14636	2.55772	1.85463	2.1445	2.10233	2.5608	2.83966	2.07548	2.88086	2.63576	2.01441	1.84666	2.52228	2.28524	2.23945	3.18938
RGSL1	3.50034	2.82798	2.77497	3.988	4.14049	2.89716	6.15963	2.731	3.2065	3.15532	3.55809	4.15353	3.85528	3.31071	2.93032	3.28662
RHAG	4.25396	4.30558	3.29508	3.90071	3.79013	3.51777	3.89634	4.54977	4.26048	3.48538	4.24336	3.77698	4.20397	3.93072	4.29522	3.11244
RHBDD1	5.20282	5.72369	5.16446	5.16241	5.81608	5.74968	5.27864	5.6972	5.75211	5.32165	5.73146	5.61082	5.55057	5.39264	5.88764	5.24924
RHBDD2	7.59906	7.09122	6.7284	7.06915	6.599	6.99931	7.14861	6.93962	7.25701	7.72117	6.8966	7.38342	7.43168	7.33445	7.61233	7.08687
RHBDD3	7.09901	7.0855	7.11908	6.67388	6.88109	7.19309	7.64286	7.16495	7.29882	6.98952	7.01865	7.27163	6.57977	7.35884	6.99931	6.61138
RHBDF1	6.11097	6.31723	6.31802	6.39033	6.58963	6.16815	5.57585	5.97338	5.57129	7.03353	6.54781	6.00283	5.67296	6.11635	6.22183	5.86835
RHBDF2	7.86294	7.87296	8.1831	7.52552	7.33998	8.50329	8.68785	8.55229	8.17633	7.09038	8.18506	7.84679	8.13222	8.44931	7.98493	7.3761
RHBDL1	4.43162	2.56774	0.89696	1.89139	1.00765	0.74252	1.85693	1.79233	1.00765	1.15042	1.20713	1.01454	1.86408	4.33558	1.4899	1.15718

RHBDL2	6.55834	6.64741	6.3768	6.41451	6.23676	5.65634	5.93103	5.96394	6.0987	5.83086	6.30551	6.09988	5.91983	7.06771	5.8311	5.915
RHBDL3	4.55792	4.08441	3.69299	3.64596	5.27633	3.94319	4.60009	4.35078	3.83921	4.05472	3.66452	4.59491	5.06879	4.80236	4.31641	3.97873
RHBG	3.90594	4.27565	3.59844	3.73945	3.83175	3.88596	4.90633	5.50579	4.57635	3.57327	4.08852	4.03129	2.94778	3.78375	3.29289	4.2082
RHCG	4.72201	7.4238	6.47419	4.71279	6.2427	5.70221	4.5939	5.73085	4.70432	6.05696	9.40713	4.89553	4.78274	4.82974	4.59094	6.30604
RHD	3.15493	3.20991	3.68688	3.57129	3.06525	3.16183	3.46635	2.96872	3.44491	3.71265	3.0483	3.093	3.0472	3.62493	3.16666	3.33573
RHEB	6.38596	6.09131	6.33563	6.68352	6.18041	6.18358	6.16152	5.79452	6.30834	6.54256	6.69916	6.59787	6.65808	6.65971	6.70631	6.6892
RHEBL1	4.95899	4.35384	3.90824	4.23643	4.14289	4.70214	4.2476	4.02254	4.32569	3.62864	6.67644	5.11873	4.31334	4.82105	4.44582	4.3025
RHNO1	6.28161	5.66737	5.6558	4.32841	7.82907	5.8211	6.88035	5.57434	6.68022	5.76673	6.67459	6.52805	7.44986	7.27872	7.70458	7.2075
RHO	5.21707	5.68401	6.3979	4.77762	3.95338	5.65267	6.09939	6.16508	5.64024	5.99319	4.37481	5.80597	4.47947	4.40714	3.77246	6.0422
RHOA	5.50994	6.09165	7.11036	6.9723	7.1198	6.3419	5.56894	6.33298	6.45844	6.5958	7.65208	6.36534	6.06247	6.39736	6.74706	6.71732
RHOB	3.20356	3.7147	3.27151	2.96542	2.98436	3.07358	2.72078	2.99709	3.28105	3.33802	2.82741	2.64083	2.44316	3.09909	2.37737	3.06788
RHOBTB	6.97563	6.26547	5.52519	5.86933	6.36778	6.73129	5.84212	6.16644	5.80222	4.9891	5.5114	5.55865	4.6382	5.41453	6.59787	6.34019
RHOBTB	3.99337	4.01473	3.74247	4.09469	2.16332	4.93774	3.87225	3.33748	4.50783	3.89796	4.53215	3.84025	3.42778	3.78054	3.93642	3.86957
RHOBTB	5.91054	5.21072	6.04829	5.92786	5.05274	5.85761	6.01927	5.15007	5.56841	6.45523	5.7148	5.98151	5.83766	5.51616	5.87283	5.73158
RHOC	6.56131	6.78707	6.73987	6.79393	6.55263	7.1961	6.06808	5.7995	6.62914	7.48041	6.83587	6.52623	7.39069	7.54638	6.84248	5.59711
RHOD	8.35311	7.64985	6.22736	7.69211	6.64671	7.69211	7.45236	6.14001	7.49002	8.32756	8.72673	7.23561	8.20812	7.73741	6.91702	6.29614
RHOF	4.89829	5.85848	5.99416	6.05478	5.98247	5.68623	5.87762	5.77304	6.02667	5.02024	6.03011	6.04297	5.91306	5.71442	5.65292	5.83661
RHOG	6.63771	9.22273	7.79974	8.07334	7.74497	9.03434	7.54204	8.95876	9.1846	7.83726	9.66572	9.90298	8.49885	8.36563	8.50035	8.07707
RHOH	6.07154	7.62252	7.78404	7.81563	6.64395	6.66271	3.79013	6.06363	7.20717	5.34812	5.20317	6.90487	6.10144	5.65144	6.33001	6.12821
RHOJ	4.60842	4.34574	4.99102	3.86323	4.28339	4.40279	3.99089	5.06142	4.14815	5.1579	5.1957	4.70335	4.07634	4.42204	4.5892	3.94226
RHOQ	7.40819	7.86242	7.95514	7.84024	7.39805	7.83845	7.83449	7.66502	8.01099	8.07239	8.02589	7.83923	8.05838	7.28174	7.43605	7.5369
RHOT1	7.35953	7.18675	7.57115	5.8829	7.74569	7.37234	8.11669	8.10743	6.98066	7.94437	7.36089	6.44456	7.40742	7.52923	6.98832	7.66915
RHOT2	7.39834	7.63559	7.24986	7.2181	7.51898	7.24112	5.63345	6.52377	6.9718	7.1968	7.23363	8.84532	7.4092	7.43628	7.34748	7.39105
RHOU	7.92999	7.71299	7.46832	7.70144	6.67897	7.33114	5.89223	7.08736	7.32307	8.60718	8.09982	6.45541	7.04408	6.06448	6.50306	6.64067
RHOV	7.30458	7.94881	6.15928	7.94249	7.09303	6.74019	7.24828	6.97901	7.95297	8.17338	7.41961	7.22574	7.73604	7.38866	7.91216	7.6636
RHOXF1	6.61649	6.50281	7.05052	6.56182	7.48595	5.79169	8.66033	7.72159	5.56523	6.75866	5.74268	6.5702	7.21066	7.18967	7.80406	6.42478
RHPN1	5.97627	7.02532	6.77897	6.85491	6.45737	6.44429	6.73798	7.30095	6.28689	6.59103	6.43909	7.62364	7.41961	6.64159	6.75544	6.71005
RHPN1-A	6.03361	6.30382	5.91082	6.41555	5.89757	6.48445	6.35015	6.9154	4.42376	4.595	6.66054	4.40501	7.05637	5.2072	6.89307	6.99594
RHPN2	9.56807	7.68357	6.3643	7.82408	7.97532	6.5545	7.35212	7.04066	6.41737	7.43675	5.55298	5.66243	6.42316	6.92136	5.24336	8.43956
RIBC1	7.12396	5.83196	4.47552	5.96381	3.62063	3.45456	4.37665	3.62682	3.64596	4.23557	4.41908	4.89207	3.91906	4.52387	4.38038	3.76071
RIBC2	7.54594	4.36917	2.53621	4.87023	2.10233	2.45459	1.95222	2.34717	2.35886	2.63576	2.27492	3.08704	2.13674	2.41572	1.85273	2.38828
RIC3	5.58674	1.84587	3.73527	4.93594	3.55491	5.48731	4.53887	3.52249	5.61701	4.28394	4.15044	5.03092	5.28614	5.81078	3.50176	3.6935
RIC8B	7.23624	7.33464	7.47821	7.3728	7.26624	7.40581	7.10162	7.48951	7.29595	7.1565	6.57567	7.16436	6.82939	7.62815	7.25418	7.14679
RICTOR	6.09003	6.43406	6.66476	6.32441	6.63175	6.20677	6.41307	6.34146	6.31444	6.27798	6.18203	6.22079	6.59787	6.0936	6.31597	6.02617
RIIAD1	8.71747	7.77489	5.9206	8.37645	5.93782	6.40779	6.36119	7.04514	6.57832	5.65002	6.4034	6.98952	6.92458	6.74706	6.1695	6.54712

RILP	7.03381	7.35321	7.41516	7.39819	6.12439	6.89708	5.27954	7.4605	7.44816	6.91547	6.96977	8.14618	6.94426	6.82609	7.40489	6.16281
RILPL1	7.48137	6.47261	6.43048	7.14668	7.44541	8.41852	8.79047	7.66065	7.79704	8.26134	7.04899	7.7995	7.51416	8.07542	8.21672	6.65726
RILPL2	9.15586	9.16326	9.02566	9.1668	8.91642	8.77496	8.47614	8.79858	8.60368	9.15617	8.56669	9.49038	9.10108	9.79051	8.44501	8.21907
RIMBP2	4.42755	4.58614	3.10403	3.86678	4.09395	4.51121	4.31815	3.44223	3.51927	4.77306	3.46371	4.99358	4.43077	4.29893	4.39778	3.18302
RIMKLA	4.84458	4.71959	5.29804	5.16906	5.24965	4.63503	5.24253	5.63345	4.53148	5.97448	5.43485	5.26165	4.78683	5.01314	4.6981	5.01414
RIMKLB	6.19114	5.40101	6.0207	5.75253	6.66158	5.67968	5.54883	5.4471	6.05903	5.68993	6.00906	5.54464	5.69472	5.42199	5.63871	5.38153
RIMS1	4.51419	4.18221	3.75304	3.68721	3.25228	2.81069	3.88575	3.28105	3.67421	4.40737	4.17614	3.10545	2.55293	3.25646	3.14573	2.93188
RIMS2	4.8047	4.01336	3.67633	4.49898	5.13399	4.58428	6.0156	5.20976	5.042	4.80326	5.79242	4.38261	5.40703	4.71235	4.15423	4.97871
RIMS3	5.35761	6.28468	4.80647	6.06855	6.47903	6.51914	6.50406	6.03205	5.89483	6.63119	6.53371	6.69348	6.08478	6.51155	6.03933	6.1982
RIMS4	5.17157	5.49937	5.90223	6.35513	5.39161	5.86084	6.43116	6.54937	6.17676	5.27655	4.98499	5.70326	5.66737	4.90793	5.7102	5.41981
RIN1	6.92385	6.76579	6.80181	6.51631	6.5398	6.32734	7.09136	6.97459	7.1301	7.01673	6.86436	8.02161	7.07369	7.18562	6.58204	6.54293
RIN2	6.47102	5.70383	6.63752	6.17824	6.49752	5.7276	6.34393	5.93792	6.05602	6.52442	6.79158	5.48864	6.04656	5.80361	5.95253	6.3277
RIN3	4.3118	4.96966	4.95044	4.84269	4.57155	4.46262	4.24573	4.32957	4.24274	4.34259	4.66241	3.97999	4.80793	4.84572	4.23182	4.45067
RING1	7.27109	7.81677	7.58161	7.81197	8.11563	8.33277	7.92703	7.05342	7.78755	7.88327	7.93806	8.81879	7.70384	7.27077	7.51529	6.67057
RINT1	6.43077	6.40333	6.96882	6.83931	8.45101	6.82348	6.73923	6.31611	6.38596	6.60667	7.29639	6.14157	6.66557	6.69077	8.27937	7.64185
RIOK1	7.5808	7.60305	7.27377	7.90707	8.50865	8.82891	8.40462	8.48984	8.10655	7.34719	8.25993	7.61598	8.10408	8.15305	8.19323	8.37894
RIOK2	7.02171	7.48402	6.85927	7.67994	7.60702	7.3304	7.82655	8.1843	7.37266	6.95847	7.48683	6.79971	7.66135	7.77017	7.30834	7.5431
RIOK3	6.43039	6.40207	5.96539	5.12719	5.64024	5.35044	6.16183	5.74852	5.71084	5.95617	5.78724	6.02445	5.19457	5.95058	6.05626	6.06525
RIPK1	6.40861	6.6025	6.9069	5.97806	6.42602	5.96074	5.79553	5.80545	5.21072	6.17495	7.00374	6.22411	5.09612	5.98281	6.04916	5.60814
RIPK2	3.88013	5.85803	4.35008	5.20104	5.27021	4.51992	5.02205	5.03733	4.23043	4.69252	6.33896	4.54821	6.38544	4.99899	5.20142	5.83049
RIPK3	6.31417	6.87617	6.6373	6.21818	6.25719	5.62589	5.64301	5.78534	5.98188	6.23691	6.818	6.5377	6.01377	5.62176	6.15946	5.88899
RIPK4	5.82226	4.89352	5.13607	5.24808	5.47104	5.27844	5.62168	4.5915	5.21096	5.63698	4.89253	4.89893	5.40426	5.36285	5.23546	5.33296
RIPPLY1	5.93982	6.37855	6.70664	6.43984	5.91698	5.90377	6.55426	7.25138	6.5216	6.23691	6.37128	6.82357	6.52193	6.56799	5.87367	6.8336
RIPPLY2	1.74742	2.18884	1.82328	1.55195	1.93871	1.59197	2.47678	2.07548	1.98342	3.07203	2.41572	2.17829	2.54194	2.22838	2.21248	2.26153
RIPPLY3	6.19869	6.29087	6.66101	5.73265	4.54126	5.63647	7.70877	6.16942	6.33073	5.07547	5.97498	6.20097	5.64557	6.05071	5.54701	5.48692
RIT1	5.06115	6.44292	6.1126	6.48947	6.63039	7.19756	7.25954	5.67091	7.80622	5.89549	6.76951	6.08478	6.52126	5.54883	6.65734	6.06074
RIT2	1.54854	1.67217	3.9636	2.72117	1.20215	1.26539	0.61735	1.79233	3.79382	1.92074	0.99002	1.31925	2.34547	3.90216	1.22113	2.28681
RITA1	5.69214	5.52441	4.48075	5.14641	5.16975	5.83474	5.79263	5.56418	5.42236	5.48686	5.82306	5.74427	5.91276	6.12611	5.27575	5.72448
RLBP1	2.81334	3.16637	3.57935	2.34348	2.73769	2.39513	3.10453	3.84143	3.2065	1.96807	2.38828	3.0573	2.26476	2.28524	3.38625	2.90822
RLF	6.54142	7.2533	7.14402	7.12855	7.26232	6.86019	6.69086	7.40568	7.31278	6.98234	7.36476	7.30846	7.44207	7.10496	7.4963	6.56733
RLIM	7.04312	7.09966	7.00878	7.60929	7.90618	6.72689	7.34167	7.29816	7.12819	6.81119	7.66374	7.08736	7.34748	6.4707	7.61431	7.52217
RLN1	4.96737	2.67513	2.82464	2.75974	2.97095	2.48692	3.818	2.46648	3.95837	2.04282	3.7868	3.03309	2.36805	1.72157	4.06918	3.61186
RLN2	6.85882	6.36353	5.85064	6.83931	6.46905	6.05719	6.07864	6.20535	6.03198	4.86372	6.82245	5.97829	6.96755	5.33354	6.19838	7.25982
RLN3	3.13246	3.23142	3.04356	2.43076	2.63482	3.09851	3.08298	3.23218	3.27349	3.21812	3.21922	2.81338	3.10377	3.34999	3.35152	3.99805
RLTPR	4.69958	4.70927	3.83921	2.8232	4.72913	4.8235	4.76643	4.90076	4.76219	4.72271	3.12933	5.23108	4.62733	5.02068	4.97633	4.97295

RMDN1	6.19148	6.40779	6.13102	6.41933	7.04051	6.71149	6.41548	7.17953	6.57691	6.31858	6.77582	6.78183	7.40302	7.67994	7.27163	7.10858
RMDN2	5.475	5.16578	5.36928	5.16659	5.38643	5.33296	5.27801	4.8235	4.79935	4.7669	5.07813	3.8556	5.33582	5.7941	5.52597	5.96577
RMDN3	8.51853	8.05719	7.40742	7.80984	8.0064	7.71899	7.7985	8.53034	8.40757	8.2871	8.28971	7.68808	7.96232	8.10472	8.34289	8.2773
RMI1	8.17784	7.86596	8.24208	8.0712	8.11291	7.56206	7.8222	8.52368	8.08808	7.92999	8.2033	8.25253	9.15119	7.95275	8.62877	8.9396
RMI2	5.09335	6.96888	7.14402	7.49265	7.79551	7.76863	7.40556	5.692	8.76664	4.95044	7.97691	7.48357	8.59699	7.75166	7.01068	8.38085
RMND1	5.20936	5.45206	5.54645	5.38276	5.54011	5.42243	6.19167	5.65907	5.00103	5.33002	5.75747	5.4874	5.86584	5.61784	5.58299	5.35546
RMND5A	6.493	6.65267	5.86926	6.74459	6.14382	6.25838	6.14874	6.83799	6.64445	5.85947	6.48933	6.21719	6.36903	6.33549	5.9857	6.5143
RMND5E	6.96375	7.02816	7.11689	7.05285	7.04107	7.09419	7.21008	7.66346	7.38059	6.57101	6.5839	7.50897	7.46791	7.30538	7.11194	7.10969
RMST	3.31489	4.11962	4.81967	4.72699	4.55142	4.40557	4.31071	4.97832	3.763	4.92985	4.69357	5.04401	4.67969	4.56179	4.75008	4.69665
RN7SKP1	6.68799	6.43539	6.64445	6.47821	5.82	7.34542	6.29926	6.43173	6.63564	6.8266	5.58568	6.48947	6.53353	6.57312	6.14193	5.17859
RNA45S5	6.92116	6.91562	6.72362	6.75072	5.69214	6.34004	6.41874	5.11832	5.76624	6.23891	8.50217	7.25015	7.74945	6.47995	5.39073	6.68643
RNASE1	4.12592	5.52833	3.99432	5.5046	4.64607	4.86994	5.73993	5.53311	4.37886	5.85047	6.08449	3.75544	4.56192	4.96208	6.06094	4.9789
RNASE1	4.98404	3.21812	5.02484	5.02362	4.27362	3.13279	2.81469	4.5714	4.6793	5.31378	4.27533	5.3582	4.21419	3.47687	3.58891	4.50598
RNASE2	5.17376	5.77313	6.3346	5.44738	6.18966	6.80543	6.10612	5.24814	5.24379	5.47996	7.94249	6.45075	6.89851	5.23003	5.22992	6.40084
RNASE3	4.51157	6.25289	6.82553	5.68112	5.83341	6.22388	6.21754	4.06126	6.04212	6.35603	5.81025	5.60777	6.07029	6.381	3.56833	6.10931
RNASE4	8.76046	6.57303	8.37808	8.86269	7.47423	5.35465	4.25587	5.03614	6.62374	9.47711	5.24358	5.91	5.16393	4.81846	5.97965	5.11956
RNASE6	7.33649	8.71012	8.81561	8.66087	8.17477	8.48462	6.16248	8.66141	8.10655	7.43529	7.54789	7.268	7.40236	7.46593	7.7303	8.2233
RNASE7	4.03299	3.13119	3.63219	2.42007	3.1335	2.77395	3.00268	3.20113	4.0183	3.95338	3.50641	3.50462	3.71862	3.31951	3.49407	3.72029
RNASEH	7.35478	7.59371	7.21975	6.96157	6.66049	7.64185	8.15997	7.69505	7.50471	7.38474	7.42946	7.45362	7.18606	7.64031	7.67366	7.42028
RNASEH	5.78685	5.7837	1.79898	5.81304	1.60199	2.42212	4.24394	5.76347	1.81152	1.5458	5.08811	1.63685	1.53958	6.13943	6.41838	5.43914
RNASEH	6.40233	7.0793	5.53096	6.54188	8.10791	7.58099	7.7881	7.05637	7.50612	5.28694	7.89504	8.29176	7.86511	8.63124	7.47512	8.0712
RNASEH	6.8226	6.11761	5.98394	6.06363	6.91137	6.08864	6.77226	6.01282	5.87662	5.949	7.00137	6.54549	6.28793	6.48549	6.93789	6.93247
RNASEH	8.06823	8.34622	8.35355	8.46329	7.85153	9.01348	8.28261	7.82975	7.80406	8.43072	8.19737	9.05406	8.55623	8.55623	8.10055	8.40722
RNASEL	6.73634	6.96875	7.3755	7.39105	7.35652	7.31697	7.11489	7.02558	7.35385	7.14114	7.01023	6.69702	6.694	6.63002	6.84053	7.10709
RNASET	6.11602	6.88541	6.94672	6.61056	6.16792	6.91931	6.73883	6.32459	6.4737	6.51314	5.71975	7.38264	5.97859	6.54427	5.9177	6.05478
RND1	3.82982	4.73279	5.69472	5.02362	4.08624	4.9311	4.63503	3.21508	6.20767	4.17211	5.76347	4.22754	6.65329	4.88494	5.82511	4.40686
RND2	6.90821	6.70707	5.84712	6.58066	4.96879	5.00549	5.50127	5.60353	5.96804	6.16109	5.96999	6.01803	6.21719	5.92	5.05142	5.72522
RND3	9.49437	9.4889	9.84118	8.69402	9.36543	8.58859	9.62902	9.03003	9.41517	9.36543	10.2341	8.44366	8.5017	8.67259	10.4362	8.70701
RNF10	7.14746	7.91216	7.27077	7.5305	7.37909	7.03205	7.14173	7.6668	7.60782	7.58828	7.29473	6.91272	7.38917	7.56811	7.47865	6.97525
RNF103	7.84813	6.80033	6.86436	6.88467	7.3259	7.03131	7.12268	7.24036	7.21008	8.13222	6.87988	7.21574	7.09339	6.14261	7.11556	7.56096
RNF11	8.85787	8.95915	9.46022	9.51816	10.1309	9.20942	9.82086	8.885	8.47942	9.55682	8.97353	8.18581	9.41176	8.74487	9.78173	9.72748
RNF111	8.13908	8.37525	8.48187	8.4612	8.98902	8.94679	9.64884	8.8284	8.71787	8.20148	8.47257	7.48137	8.42204	8.48923	8.86712	8.74814
RNF112	4.05217	3.80592	3.55141	4.0196	5.70562	4.53233	5.17316	4.74882	3.97161	3.86818	5.68938	4.81824	3.94666	3.73088	4.25827	3.6935
RNF113A	6.84551	7.60054	7.8488	8.11439	7.23313	7.77632	6.73729	5.73921	7.9976	7.06524	6.94977	7.89992	7.52074	7.3395	7.322	4.44222
RNF114	8.64262	9.14361	9.08188	8.98902	9.23642	9.33149	8.96445	9.04465	8.80651	8.58624	9.20378	9.18918	9.23508	9.42873	8.87472	9.00592

RNF115	7.31596	7.16995	7.61683	7.29852	7.58033	7.69052	7.65178	7.46153	7.62153	7.56746	7.72199	7.39494	7.10564	7.02233	7.31288	7.44793
RNF11B	2.44059	2.18884	1.85463	1.85049	2.0729	2.03544	0.35046	1.14774	0.69487	1.74155	1.87674	1.3666	2.17097	2.05268	2.04035	1.32709
RNF121	6.72621	6.66476	7.13919	6.089	6.73842	7.7303	6.92997	7.05041	7.37969	7.13022	7.04276	7.74542	6.72976	7.92358	6.97771	6.0088
RNF122	3.64066	2.67513	2.66774	3.06525	3.10976	4.1494	3.47278	2.91144	6.52645	3.26858	6.07614	5.00749	3.55868	4.04773	4.56642	2.49784
RNF123	5.92675	6.08022	5.61405	5.6558	5.47087	6.6608	6.26547	5.49998	6.58707	5.79319	6.18979	6.46966	5.29597	5.82698	5.61854	6.1691
RNF125	6.40072	6.71732	6.8223	7.29026	6.64591	5.77227	5.2467	6.93706	6.24911	6.02133	6.56032	6.35633	5.89846	6.3419	7.34582	5.7594
RNF126	6.81937	6.96694	6.38087	6.93843	6.89817	6.76925	7.06726	6.47337	6.17699	6.10023	6.96523	7.28361	7.18981	6.99097	6.87531	7.10353
RNF126P	6.33967	5.04076	5.69472	5.88508	6.21853	4.73519	6.09242	6.27958	5.25797	3.57327	5.25119	5.47492	6.2802	7.07903	4.28892	6.04829
RNF128	6.9225	5.70016	6.75115	6.55254	3.84331	2.5608	9.10897	5.08644	3.95837	9.57352	6.52383	0.82494	4.13938	4.35255	5.96919	6.98343
RNF13	8.43012	8.65312	8.79858	8.49014	8.46622	8.24077	8.53799	8.43605	9.06609	9.09179	8.87038	8.184	8.56106	7.59679	8.69101	8.60332
RNF130	5.51802	5.46994	5.64281	5.49487	5.38189	5.87687	5.65752	5.69269	5.78593	5.9226	6.10444	5.55605	5.6401	5.35991	6.18795	5.71411
RNF133	3.04535	3.01952	1.73976	0.78709	1.3442	1.53719	1.68451	1.73724	2.61941	1.49394	1.41342	1.54854	1.41985	2.68036	2.00801	1.73976
RNF135	8.34898	8.12286	8.09982	8.48257	8.79141	8.35903	8.9826	8.52003	9.055	8.37711	8.50784	8.11737	8.43012	8.48187	8.68099	8.30207
RNF138	8.57292	8.65638	8.93264	8.83393	9.49038	8.43072	8.87664	8.45232	8.48679	8.04125	8.80376	7.17978	9.04808	9.04381	9.20892	9.00702
RNF139	8.64417	7.91464	8.99071	8.67987	8.82218	8.47529	7.95029	7.3928	9.00017	8.32674	8.41852	7.65545	8.05395	7.63318	8.27821	8.46204
RNF139-A	5.40326	5.56364	4.87214	6.08039	5.77051	6.00736	6.26102	5.56628	5.49113	5.1154	5.34654	5.60943	6.18882	6.32966	5.40842	5.91054
RNF14	6.8608	6.84575	7.0876	7.21373	6.96438	7.15825	7.42469	7.12487	7.14746	7.21975	7.33872	6.8177	6.98343	7.30897	7.58583	7.2112
RNF141	5.8546	4.81617	5.89644	4.93851	6.08654	5.86382	6.80357	5.42007	6.07473	5.78145	5.38601	5.23211	5.5832	5.92913	5.87229	6.13042
RNF144A	4.54107	4.84205	5.83128	6.05262	5.5459	5.57791	4.66867	4.81026	4.50143	5.60583	6.00213	5.06911	3.91479	4.64981	5.84953	4.05472
RNF144A	4.41965	5.467	4.94472	6.04166	5.16217	4.8258	4.95474	6.02765	4.88503	5.87377	4.86793	5.4871	4.98618	4.56108	5.14329	5.00061
RNF144B	4.69768	4.99264	4.64341	5.06959	5.56217	5.6699	5.15859	5.33678	5.6902	5.44733	5.95617	4.62869	5.36727	5.44182	5.73881	5.78393
RNF145	6.65352	5.77903	6.20232	5.98394	5.5046	6.95188	6.4899	4.97871	5.56396	5.22214	5.8182	6.05003	6.15629	7.16569	6.1193	5.63541
RNF146	6.68558	6.95968	7.00837	7.22216	7.40302	7.17866	6.63446	5.29458	7.15323	7.79105	7.0964	7.58161	6.73634	6.41627	6.57346	6.94016
RNF148	1.60375	1.16965	1.13258	1.06683	1.11444	1.53719	0.93298	1.73724	1.63986	3.13394	1.20713	2.01179	1.68682	1.59381	1.92074	3.7755
RNF149	8.16028	8.75835	9.22763	8.16376	8.86001	8.64334	8.41541	8.78506	8.88215	8.18179	10.0218	8.38509	7.83761	8.43357	8.31881	8.5194
RNF150	5.34654	5.80924	5.98551	5.86875	7.18152	6.39556	6.72244	4.65006	5.92336	5.95444	5.08631	6.0737	6.27692	6.2395	6.66494	5.66879
RNF151	3.20944	4.27565	3.50622	5.24358	3.09072	3.33634	2.63794	3.81494	2.79078	4.06894	3.69464	3.38388	3.77256	3.33112	2.43868	3.89582
RNF152	4.59056	5.03322	4.72146	4.26239	3.87292	4.68985	5.15242	4.24058	3.76136	4.54874	4.53621	3.88575	4.92944	4.1932	4.48397	2.91461
RNF157	5.62311	4.7908	4.1925	4.48738	4.82316	5.06051	5.46528	4.44904	5.23607	5.46967	7.1549	6.57677	5.37911	4.69519	5.25191	6.01459
RNF157-A	3.52524	2.55772	3.14177	3.78412	5.14982	3.72561	5.36059	3.31083	2.73661	2.75002	2.15913	2.84585	2.90755	5.23003	3.78253	3.28662
RNF165	5.03733	4.85735	4.91594	5.49645	5.63045	6.28053	7.49773	5.19529	5.63274	4.32526	4.62508	5.45744	6.22381	6.88319	6.11735	5.17761
RNF166	7.57865	8.22019	8.5194	7.31298	7.20644	7.76017	6.77016	6.67073	7.01407	6.71999	7.6652	8.09695	7.88907	7.27694	7.02928	7.24146
RNF167	7.49156	7.11508	7.1782	7.06828	7.49457	7.24674	6.24733	7.36993	8.10655	7.75348	7.03639	7.083	6.74395	6.97537	6.94494	6.5943
RNF168	6.28545	7.15926	6.64301	7.76876	7.64286	7.55846	6.66742	6.45319	6.57513	6.67366	7.49656	5.78051	6.89645	6.34906	7.09122	7.31824
RNF169	6.11935	5.89327	5.72202	5.88057	6.9158	6.26392	7.07964	5.68015	6.97262	6.41416	6.32734	6.06289	4.33795	6.88467	7.17292	4.58158

RNF17	4.81617	4.62482	4.90027	5.18876	5.04856	4.9847	5.79319	5.49848	5.19619	4.88663	5.01049	5.06381	5.21878	5.24618	5.02813	5.33521
RNF170	6.90407	6.95773	6.81351	7.00766	6.93556	6.66059	6.62636	6.09939	6.92419	6.90904	7.17667	6.65734	6.64326	6.37561	6.7918	7.0724
RNF175	7.61612	6.98315	5.41479	6.91547	5.85003	6.61588	6.51384	5.96948	6.29302	7.46409	6.51344	5.15207	6.2141	5.85334	6.26108	5.96646
RNF180	3.74409	2.36099	4.108	3.82473	3.2187	3.55737	3.36453	2.19105	3.53545	5.74052	3.5945	3.10976	3.25734	3.72694	3.8854	2.39654
RNF181	8.63591	9.1743	8.75771	9.04127	8.45337	8.88814	8.68337	8.42975	8.75563	8.78708	8.81129	9.18298	9.0592	8.87358	8.58123	9.41373
RNF182	5.04015	6.25289	4.99255	4.22883	4.9039	3.81413	6.33628	5.7457	5.18228	5.42236	5.80858	4.10127	4.28649	5.22492	3.25706	5.48692
RNF183	8.15497	7.17923	6.8181	7.28271	5.36557	5.67948	4.18377	5.50579	6.34176	7.70241	5.64126	6.53931	5.44722	5.244	5.88887	6.51995
RNF185	6.841	6.37629	6.07564	5.9082	6.951	6.87122	7.02877	7.31725	7.55964	7.47931	6.68989	7.02273	6.71592	6.8053	7.60365	5.57353
RNF185-/	3.58775	2.31976	3.73527	3.78412	4.05118	3.8659	5.03767	3.98218	3.95837	4.20362	4.26713	3.74466	5.26233	4.06652	5.2002	3.70541
RNF186	6.09415	6.6686	6.29317	6.45093	6.06196	5.97064	5.91306	6.79149	6.21797	6.88146	6.48515	6.20784	5.42528	6.28749	6.63787	6.44129
RNF187	5.27116	5.59319	5.79263	5.05748	6.08253	5.88708	5.51915	6.13554	6.15126	6.29342	5.96635	6.2458	5.93145	6.33183	5.06539	5.38841
RNF19A	6.6682	7.04198	5.88373	6.3353	6.77672	6.91218	8.05719	6.16438	6.3757	5.70157	5.54309	5.44871	8.10258	6.22635	6.22203	6.2539
RNF19B	3.59087	3.80861	3.24748	3.6839	4.92179	3.86881	4.35335	4.08122	4.97776	3.63165	4.55308	4.39763	4.04505	5.41899	4.23209	3.81694
RNF2	6.49139	6.16426	5.37093	6.19167	6.86138	7.84645	7.42749	4.74277	6.97537	3.74711	6.80913	3.69374	5.55596	2.86263	5.1212	7.74922
RNF20	9.07417	9.31073	8.80262	9.08827	9.55408	9.51816	8.62766	9.28266	9.85932	9.15916	8.93143	8.76316	9.09834	8.95215	9.5648	9.04465
RNF207	6.21121	6.26477	5.99244	5.38659	5.859	6.03336	5.66963	6.44327	5.64861	5.8358	6.03432	5.70455	5.62474	6.13585	5.98786	6.21417
RNF208	3.04535	3.40176	3.73945	1.96731	2.83544	2.91286	3.45602	3.47335	2.86093	3.07203	3.73917	3.483	2.90755	1.97057	3.51602	2.88582
RNF212	3.49231	4.36012	4.02856	2.629	3.3789	4.62397	3.87574	4.41381	4.81967	3.81207	3.81743	3.78507	3.53934	3.67214	3.87842	3.22144
RNF212B	5.14857	6.05319	6.24827	6.24835	5.58344	6.61915	6.47461	6.49041	6.16438	4.31215	5.63879	5.84898	6.19415	4.21305	6.21493	6.21546
RNF213	5.28056	4.52512	5.81398	5.29011	5.74303	5.59669	5.6367	5.04804	5.82175	4.46421	6.42187	5.25261	5.23713	5.62008	5.3328	5.1147
RNF214	5.3496	5.3987	5.87421	6.38441	6.31298	5.64899	4.05033	6.55056	6.40352	5.72477	4.45712	6.44179	6.11965	4.54346	6.44881	4.44222
RNF215	4.49797	4.29087	5.74682	3.61465	4.03498	4.44183	4.41747	4.15015	4.69241	6.56332	4.43233	3.75239	5.81769	4.1099	4.09448	4.38335
RNF216	6.06196	6.21864	6.31925	6.04465	6.19425	6.17043	6.60068	6.24558	6.29363	5.90723	6.2564	6.84633	5.42739	6.50281	6.38216	6.22799
RNF217	4.92384	4.94408	5.80567	3.95924	5.3089	5.02124	4.74354	4.72447	5.04772	4.77905	5.49338	5.2591	4.51377	4.39023	5.49591	4.44851
RNF219	6.51364	6.10809	5.56354	6.83752	6.0376	7.11782	6.52147	6.46712	5.97254	5.75916	6.40841	5.95652	6.99315	6.51534	7.67863	6.74484
RNF220	7.89777	8.09678	7.82061	8.09763	8.30008	8.54511	8.38007	7.33361	8.00403	8.18753	8.04588	7.93251	7.57423	8.41616	8.39534	8.38345
RNF24	6.34408	6.14411	5.52677	6.33933	5.68906	6.13436	6.3021	5.53079	5.31468	5.78159	6.33967	5.75903	7.08147	6.5777	6.05071	5.92068
RNF25	2.68367	3.28675	3.55141	2.38778	2.47594	3.5373	1.95222	3.77845	3.06765	2.42411	2.72092	3.19844	3.43133	3.6144	3.40607	2.86424
RNF26	6.37591	6.81587	6.17633	6.37591	6.54	6.39113	5.31988	6.21942	5.82328	6.41769	6.59396	7.1349	6.41274	6.51419	6.55182	6.72429
RNF31	4.25647	3.98812	3.95997	4.19574	3.46198	3.71758	4.10752	4.0795	4.43654	3.98362	4.14568	5.05573	4.06695	3.63678	3.84407	4.16919
RNF32	4.97435	4.93488	4.72831	5.15554	4.9001	4.90609	4.48486	4.69923	4.68824	4.92282	4.67009	4.67601	4.97832	4.9277	5.26149	5.05022
RNF34	6.06525	6.53227	6.57677	6.87418	6.6827	6.57951	7.02233	7.528	6.80386	7.02396	7.50595	7.1961	5.79014	7.3061	6.80843	5.91315
RNF38	6.66709	6.80898	6.56032	5.49338	6.59787	5.77371	6.70005	5.9171	5.91563	6.82532	7.12924	6.73406	5.54233	6.42365	6.51384	5.62606
RNF39	7.53935	7.5565	6.75957	6.70889	7.18079	6.55623	6.90931	7.207	6.32843	7.48729	6.73765	7.40779	6.51642	6.69937	6.45116	7.33464
RNF4	8.17578	8.90934	8.78995	8.9255	8.42766	8.95283	8.51522	8.80792	8.36919	8.12218	8.60829	9.01581	8.85441	9.09316	9.00855	8.68396

RNF40	5.339	4.98125	4.80964	4.86655	5.07488	5.60753	5.25807	4.94125	5.34643	5.22673	5.3226	5.5025	4.6969	5.47581	5.49323	4.67509
RNF41	6.46304	6.67266	5.58559	6.2519	6.83297	6.48293	6.74845	6.19536	6.4899	6.2358	6.118	6.04874	6.46954	7.15958	6.66023	6.88035
RNF43	6.85717	5.85056	6.47918	6.31876	8.34076	7.51436	8.86796	6.91979	6.78596	6.86445	6.19879	8.03276	6.53353	7.22511	7.82614	5.28996
RNF44	9.06514	9.43764	9.85721	9.60364	9.52795	10.7996	10.4135	9.58269	9.73065	8.47234	8.99254	10.2527	9.60059	9.70215	9.9517	9.64158
RNF5	6.10768	6.42252	6.24242	6.64424	6.08093	6.90107	6.91366	6.45798	6.64819	6.50709	6.23645	7.5219	6.78294	6.75107	7.21934	6.30843
RNF6	5.91215	6.37272	6.91272	5.75211	6.05071	6.2968	6.7396	6.63553	5.96035	5.95579	6.58244	5.09913	6.11888	6.8179	5.75607	6.57453
RNF7	7.86922	8.06572	7.49719	8.29356	8.37262	7.68033	7.83011	8.29124	7.10758	7.44574	8.44288	9.14235	9.1663	7.48581	8.16058	8.00713
RNF8	5.15041	4.35831	5.14034	4.86873	5.0929	4.62788	5.9407	4.9633	5.26698	4.75315	4.9939	4.75041	4.4803	5.34036	5.16975	5.0902
RNFT1	6.45045	6.14229	6.88484	6.44292	6.34639	6.29011	5.67296	5.59319	5.37722	6.0061	6.77848	6.06407	6.55493	6.45101	6.80069	6.56788
RNFT2	4.79653	3.60158	3.63794	4.23681	5.30804	4.24274	6.12053	4.40595	4.01912	3.52918	4.05092	3.98194	4.211	5.59906	5.34983	3.64053
RNGTT	4.40257	4.65539	5.41796	4.67009	5.44837	5.05678	5.57918	5.25974	5.27002	5.01217	5.1385	4.83606	4.49934	5.19773	4.99475	4.66867
RNH1	7.77998	7.96074	7.65921	7.42833	7.1008	7.55694	7.33526	7.32914	7.41204	8.04588	7.97893	8.42133	7.81085	7.75767	7.34905	7.27323
RNLS	6.5982	7.27718	6.21452	6.67421	6.84461	6.18181	5.84922	6.41612	5.56147	6.05602	6.60946	6.42644	6.75866	7.21275	6.85927	6.76392
RNMT	6.08574	6.41991	6.62877	7.03457	7.5431	6.49514	6.76466	6.80131	7.12375	6.79839	7.10453	5.82554	6.83752	6.98373	6.84655	6.94648
RNMTL1	8.75379	9.11315	8.55929	8.68521	8.97528	8.26381	7.60944	9.21885	8.70495	8.52907	8.8053	8.95876	8.70461	9.04007	9.25806	8.81664
RNPC3	6.47297	5.31338	6.53414	6.06384	4.67844	5.79816	6.63771	5.2531	5.06142	5.80477	5.22533	5.64095	5.54631	5.29344	5.06381	5.35652
RNPEP	8.33649	8.00403	7.78475	7.87876	7.05702	7.67813	7.28797	6.76563	7.72378	7.71255	7.66086	7.97691	8.0913	7.72936	7.67128	7.58869
RNPEPL1	7.53361	7.09327	7.58702	6.58963	6.64301	7.25808	7.4383	7.71733	7.79231	7.11651	7.44838	8.126	7.13317	7.27283	7.23063	7.45918
RNPS1	8.18643	8.12782	8.04476	8.18643	8.53743	8.04991	7.52638	8.07912	8.1354	8.18689	8.36277	8.08567	8.5744	8.30299	8.37711	8.25183
RNU2-22	5.65081	5.16113	5.7674	5.32271	4.65407	4.39841	5.79711	3.84143	4.63412	5.42236	5.07244	5.42357	4.42745	3.05474	5.64462	4.94543
ROBO1	9.69136	10.4548	11.25	9.05406	11.6343	10.3228	11.0355	10.9531	10.794	9.33233	8.63421	7.50356	10.9531	10.8383	11.2154	11.9018
ROBO2	4.32602	5.30548	5.37698	5.93181	5.74852	4.99435	4.72113	4.89657	4.01247	4.87977	4.467	5.14382	4.58384	5.6056	6.31802	4.71174
ROBO3	5.50837	4.74319	4.43529	3.77125	4.52738	5.69972	3.73393	3.99573	4.34561	6.586	6.77274	5.49238	5.78301	4.1099	3.71004	5.9606
ROBO4	7.17188	6.92291	7.04107	7.13203	6.64108	7.02009	6.79668	7.27872	6.3185	6.75374	6.71592	7.15739	6.52299	6.76291	6.44083	6.25512
ROCK1	5.60876	5.70687	5.84754	6.14565	5.84212	5.53079	5.9206	5.84195	5.4729	6.28545	5.91026	5.44224	5.67627	5.96635	5.66331	5.11002
ROCK2	6.5358	6.81217	6.98629	6.68938	6.18578	6.35206	6.66101	5.0097	6.62746	7.02068	6.35184	6.92674	6.86529	7.15117	6.64131	7.02998
ROGDI	7.48493	7.41075	6.90068	6.8987	6.69648	7.01487	6.62448	6.95458	7.2218	6.97868	6.73765	7.34597	7.23297	7.43267	6.85132	7.12268
ROM1	3.89772	3.95879	4.11758	4.53637	4.62281	3.601	2.56625	5.84319	5.25322	3.6977	5.04878	3.74466	3.37673	4.29638	3.97261	4.95783
ROMO1	10.4362	10.0103	8.60862	10.2039	9.03052	10.1211	10.3603	9.15617	9.69292	8.59959	10.0667	10.4028	10.7755	10.0629	9.22423	9.83596
ROPN1	6.4803	6.55263	5.56557	6.59293	5.57791	5.50973	5.12085	5.41796	5.38331	7.66991	5.25704	6.02116	5.7529	6.25061	4.82763	5.69563
ROPN1B	6.32278	6.19499	3.45525	6.2336	4.76067	3.82218	3.49217	4.43413	5.23893	6.99294	3.49378	4.92491	3.36189	4.85467	3.42703	4.2961
ROPN1L	7.97435	6.41007	3.76722	7.43579	4.93282	4.31426	4.58758	2.74465	5.08426	4.2631	2.90787	5.88955	2.70166	4.67048	3.62201	2.11028
ROR1	3.69784	4.52112	3.77354	5.12314	3.93923	5.40124	5.55308	3.465	4.99461	5.56314	4.00732	4.82616	4.25308	3.82473	5.07199	5.36187
ROR1-AS	2.53024	2.44316	1.54854	2.31308	3.16569	2.48692	2.45415	3.80483	4.57006	3.09196	2.72092	2.6814	2.94778	4.28324	5.83977	3.57557
ROR2	2.21029	2.91316	3.57935	3.06525	2.21727	2.51251	2.06028	3.61778	2.90046	2.31329	3.57447	2.86273	2.68899	2.54935	3.87472	2.53538

RORA	4.25565	4.21149	4.08141	4.69843	4.43787	3.63165	3.91052	4.17704	4.67471	3.03907	4.88247	4.41729	4.39799	3.42322	3.97153	4.80874
RORB	4.91924	4.17266	4.62693	4.44564	4.56615	5.69118	4.00094	2.79314	4.4524	3.12496	5.08149	4.6307	2.82844	3.91906	4.04577	2.629
RORC	6.32837	6.10768	5.54309	5.82484	4.53581	4.11874	2.85371	5.28882	5.15888	6.95361	4.55632	5.23625	4.85179	4.77096	4.66033	4.21149
ROS1	5.41041	4.24836	4.017	4.96694	4.45614	3.0707	4.04706	3.94546	4.19473	5.3453	5.30268	4.33201	5.34906	4.60566	5.06616	4.79823
RP1	4.14888	4.34246	5.16282	4.98755	4.51886	4.35031	3.89026	1.86949	4.38384	4.51316	3.91647	4.44519	5.66277	4.61514	4.8213	4.57777
RP1-100J	5.26165	5.07679	4.39825	5.29187	6.11725	5.3672	6.58582	6.39586	5.42868	5.2535	5.89465	5.68436	5.84569	6.04817	5.67434	5.57856
RP1-101C	3.51548	3.35252	3.26549	3.35104	3.36671	3.42836	3.55696	3.67908	3.42477	3.37812	3.05202	3.47261	2.46016	3.7466	2.97605	3.2169
RP1-102F	4.17798	3.73984	3.47669	3.30112	4.02718	0.27064	3.65785	0.27064	3.19069	3.8925	2.73426	3.23711	4.27078	2.68036	3.53974	2.84751
RP1-118J	6.54748	5.0097	4.86793	5.38794	6.34852	5.02813	5.03203	5.23337	6.09195	5.33406	5.02998	5.80184	5.19521	6.51464	5.66269	6.46638
RP1-130C	5.34118	6.6178	2.96792	6.70697	5.49591	4.80276	5.91096	5.78799	4.92985	5.73126	5.63395	4.63689	7.20937	5.61679	5.3608	7.20836
RP1-135L	4.17798	6.60169	6.23449	4.98755	4.4943	5.79691	5.2173	5.21149	6.55951	5.17832	5.77485	5.87239	5.10681	5.582	6.55352	5.41552
RP1-140C	2.23882	2.36797	2.46272	1.73098	2.68714	2.72526	2.3531	3.08616	1.87545	3.15532	1.74872	2.56799	1.93701	1.88842	2.16493	1.62293
RP1-142L	6.00298	5.09122	6.05522	6.1427	4.99272	5.65893	5.43734	6.15898	4.98761	5.93876	5.51991	6.00619	5.90341	5.94916	5.59237	5.70455
RP1-142L	1.79935	1.71163	2.68367	2.4789	4.79167	3.18781	4.70432	4.90215	4.7523	4.83738	4.42232	2.07548	4.56642	2.48051	5.04555	4.2654
RP1-149A	5.94267	6.11947	6.20271	5.62501	6.42136	6.489	6.0127	5.8726	6.09438	2.85867	6.29463	6.22542	5.91749	6.92393	5.78516	5.4288
RP1-149C	2.53024	1.84587	1.19537	1.06683	1.64332	0.67532	0.93298	2.30474	0.56521	0.93298	2.97056	0.82494	1.89786	0.73695	1.08679	1.0625
RP1-151F	6.90303	6.74113	7.45941	7.23281	7.26814	7.26624	6.8975	7.33576	7.54516	7.16078	6.40928	6.90596	7.22388	7.00107	7.56562	6.82876
RP1-155L	6.90596	6.55067	6.80673	6.24633	6.73647	6.74019	5.99786	6.65798	6.73451	6.5845	5.67961	6.08191	6.50567	6.66244	6.36129	6.87829
RP1-155L	7.1494	6.90878	7.7249	6.51033	6.69607	7.03398	7.00694	6.7888	6.53264	6.91547	6.88475	6.7865	6.7905	6.85121	7.26403	6.93102
RP1-170C	4.71569	4.61934	4.94991	3.97084	5.35918	4.63077	4.60294	4.80693	5.26828	4.24348	5.11218	4.36401	4.02061	4.88494	3.98218	5.21721
RP1-170C	4.58951	5.49899	5.76565	6.16879	5.58598	5.78654	6.1573	5.46715	6.20487	5.67091	5.8416	6.38151	5.8273	5.64502	5.6718	4.98419
RP1-178F	5.24458	5.77313	4.76678	5.54116	4.63576	4.52501	1.37571	5.1459	4.32665	5.49383	5.35772	5.87762	5.84569	5.10272	5.7006	5.8336
RP1-179N	3.73406	3.4933	3.56906	3.60342	4.77053	3.33634	4.18377	3.69279	4.11778	3.6977	3.54938	3.36359	2.62575	3.42962	2.67357	2.51437
RP1-181J	5.39305	5.64428	4.46828	5.37588	3.60374	4.81041	5.77371	4.99236	3.6792	4.11891	4.64412	5.47823	4.65932	2.31516	5.09413	5.07599
RP1-187E	5.32883	5.60298	4.96769	3.31099	4.51886	3.6256	3.71929	5.54537	4.09292	3.37812	5.54563	5.48098	5.20492	3.77151	5.26485	4.87671
RP1-190J	5.01851	3.16637	3.56906	3.35104	2.68714	2.91286	0.93298	3.91364	4.41574	3.50939	4.02808	5.2571	2.81611	2.93125	4.93457	3.18938
RP1-192F	0.49324	0.47227	0.89696	0.78709	0.47862	1.53719	0.75071	0.64273	1.98342	0.85718	0.69487	1.73861	1.53958	0.8165	1.1668	1.51008
RP1-193H	5.73217	6.54445	5.87632	5.49937	5.78811	6.39244	6.86547	5.6453	5.6132	6.18713	3.41787	5.85971	3.54537	6.31353	6.21169	3.29988
RP1-199J	2.85784	5.11644	4.49114	4.15684	3.85505	3.08198	4.48301	3.6374	3.00175	3.09196	5.17042	4.74678	2.26476	3.14828	2.34348	2.84751
RP1-202C	2.08404	4.98706	0.79531	0.07153	3.14557	3.13279	0.35046	0.48812	3.11326	1.49394	1.1038	0.82494	1.01457	1.02124	0.46592	0.86912
RP1-20C7	6.38327	6.54748	6.24099	6.20531	6.27004	6.23022	5.9813	6.43414	6.42327	6.14368	6.38874	6.10324	6.51824	5.99501	6.02588	5.8754
RP1-212F	5.77804	3.75879	5.79533	3.71004	4.03498	3.72561	4.03876	5.66963	4.30345	3.80685	3.91647	5.23859	5.99151	5.6019	4.07595	4.32644
RP1-217F	4.98776	4.7289	5.22874	6.12617	5.38965	5.04234	5.22744	6.51165	4.99264	5.19743	6.15085	5.74934	4.75769	3.39861	4.91938	4.19396
RP1-228H	5.58674	5.9265	5.71788	6.17732	6.85993	6.51684	6.96469	6.71149	6.04212	6.45401	5.98336	6.2843	7.65979	6.79295	7.09664	6.68722
RP1-263J	0.9979	1.94258	2.46272	1.96731	2.29738	1.36658	1.37571	2.52957	2.07939	1.59139	2.18694	2.13113	1.11444	1.92414	0.88665	1.73976

RP1-265C	5.29878	5.2229	3.70804	4.45523	4.5743	4.98736	4.19082	3.90071	5.96744	4.77152	5.61441	5.00749	5.1616	5.56916	3.34075	5.32654
RP1-272E	1.87757	3.1532	2.07548	1.63196	3.16569	1.32117	3.18384	1.96139	4.64364	1.96807	4.22425	3.22488	1.63986	1.88842	1.74155	2.96003
RP1-286I	5.44417	5.88181	5.9206	6.22361	3.61465	5.61194	6.00238	6.03368	6.26239	5.77793	5.75916	5.68436	6.05873	5.84738	5.88021	5.75818
RP1-28C2	3.09851	2.72769	2.33881	3.17801	3.91616	2.15563	2.96225	2.21132	2.39727	2.31329	4.39789	3.94634	4.006	3.44975	2.94685	4.57163
RP1-28O	2.89649	3.07762	2.61382	1.67907	4.21316	1.995	2.58845	3.58474	4.7581	2.2766	3.02585	3.3733	3.83289	4.14195	4.12102	2.12859
RP1-305C	4.3226	5.26872	3.87671	3.30112	3.91616	4.27251	5.54511	4.94996	4.01633	4.36468	3.45096	5.31546	4.43617	4.78265	5.55526	4.52926
RP1-30M	5.70016	6.16655	6.32627	5.97245	6.45198	5.96592	4.90633	5.59748	6.16438	6.43304	6.49429	6.01738	5.44143	4.65943	6.16699	5.65292
RP1-31B8	6.15404	5.8404	6.72905	5.87195	5.95171	6.65808	6.06525	6.11959	6.14347	6.35428	5.93676	5.7106	6.09071	5.50599	6.09264	6.71983
RP1-35C2	3.11441	1.91586	3.53502	3.97955	2.71531	4.99197	3.10453	3.65408	3.04535	4.99475	2.07483	4.12427	2.59488	5.33833	4.53449	5.36713
RP1-39G2	7.65632	7.44207	7.75853	7.87786	7.66255	7.25884	6.77343	7.43484	7.24036	7.42295	7.04666	7.43728	7.68075	7.15926	7.28682	7.79159
RP1-39J2	2.89649	4.42829	4.01284	4.17431	2.71531	3.49365	4.74782	4.56358	2.88086	3.94629	4.12088	2.69934	5.03851	4.9646	3.30762	4.34302
RP1-58B1	4.20074	3.64032	3.81806	5.99359	5.51597	3.83233	6.4483	4.84165	5.6566	3.07203	6.23163	6.07969	4.55026	3.44975	4.63704	5.55298
RP1-68D	7.29606	7.20429	7.16727	7.0242	6.91218	6.82564	6.65981	7.66483	6.77043	6.79087	6.94828	6.33721	6.31563	6.73798	7.07946	7.77708
RP1-6P5.	4.97295	5.36473	5.6931	5.87492	5.44316	5.69186	5.99786	6.30382	5.77656	5.15052	5.77379	4.80682	5.4553	5.5659	5.40261	5.83818
RP1-74M	3.23662	3.23142	3.33383	1.63196	4.44183	3.83233	4.95627	3.25357	2.76258	2.5437	3.45096	3.46371	3.00618	4.00373	2.78105	3.35278
RP1-78O	3.14636	1.71163	4.24573	2.50291	2.83544	2.97137	4.34027	2.83945	3.71298	3.172	2.93839	1.77016	4.84921	3.50494	4.87237	2.26153
RP1-86D	5.74003	5.34684	5.05099	2.81334	5.36162	5.25726	4.84572	4.70767	4.3125	5.18807	4.12088	5.27036	5.75502	5.94499	4.36887	5.92292
RP1-8B22	4.71569	2.91316	3.27793	5.47965	5.38528	3.79752	3.18384	5.56628	4.39872	6.38529	5.61759	6.28766	5.94021	5.56319	5.89474	3.31912
RP1-93H	6.82309	7.50028	7.46031	7.79535	7.34498	7.46945	7.00388	7.96021	8.36678	6.58211	8.20228	7.89457	8.20468	7.17031	6.99978	7.62053
RP11-100	5.06786	1.7774	4.33776	5.02826	4.76678	4.28649	6.67527	5.60468	4.89423	5.79464	4.92944	2.53152	2.00801	5.72006	4.67029	5.27518
RP11-100	5.2775	5.42705	4.2347	3.46996	3.52527	4.45264	5.21321	4.18478	4.58372	4.05738	4.66023	3.21231	3.02655	3.90216	3.90511	4.34302
RP11-100	5.93181	5.64679	5.79475	6.13088	5.78051	5.74555	5.28882	6.03144	5.9118	6.36004	5.75787	5.62971	5.63541	5.4168	5.74348	5.81223
RP11-101	5.82524	6.37184	6.62571	6.49318	5.81113	6.12936	7.03044	7.04836	5.84439	6.65341	6.30893	6.36129	6.2141	5.42385	6.5046	5.79273
RP11-101	4.53702	5.32348	2.21086	3.6993	0.6733	2.27957	2.58845	4.34289	4.18653	5.36306	0.62135	1.44837	3.55868	5.51092	6.10622	4.66581
RP11-101	5.48692	5.2325	3.94585	3.42644	3.35289	4.85358	4.51685	3.70769	4.49404	3.50939	4.33776	4.53042	3.37673	3.19708	4.03231	3.85966
RP11-102	5.25618	3.47417	5.93974	6.00658	2.44843	5.74089	5.53505	4.75563	5.13985	4.88336	4.92331	3.87137	4.62473	3.27909	2.82464	5.5419
RP11-102	3.11441	3.33539	3.391	2.93958	2.63482	2.48692	3.93793	2.17246	3.31034	2.97414	2.97056	2.63249	2.23314	2.65463	3.46534	2.71584
RP11-102	4.83558	4.35931	3.61284	5.03262	4.39215	4.72913	5.2563	4.26669	5.05288	5.08644	3.3963	1.94688	1.01457	5.08737	4.7616	5.14895
RP11-102	3.02599	3.67703	3.1811	5.21128	5.0289	2.95599	4.20319	2.81438	2.90046	4.68824	3.83893	5.87239	3.07124	5.67943	3.57849	3.47381
RP11-106	6.65734	6.09276	6.46799	6.81622	5.97782	6.47114	6.51384	6.02244	5.72034	5.78287	6.17098	5.14209	6.1277	6.63574	5.88734	6.39528
RP11-107	4.1934	4.00768	2.23187	4.2786	5.03304	5.47877	5.46734	4.76359	2.35886	5.34336	2.07483	4.59609	1.86408	4.9403	5.05678	2.26153
RP11-107	4.37472	4.22688	4.6173	3.86957	5.60384	5.53895	3.92606	3.23218	3.17124	5.25952	4.54346	5.32102	4.73847	4.7453	4.78962	4.90169
RP11-108	2.63482	2.04582	2.75954	2.90159	2.1445	2.69944	1.80024	2.61382	2.50218	2.15841	3.54938	2.07548	2.17097	3.09139	2.43868	2.16972
RP11-108	4.70625	5.06203	2.68367	6.0554	4.14888	3.63988	2.9333	4.79259	4.3125	2.34717	3.96082	3.07028	4.85376	3.3814	3.10868	5.57637
RP11-108	5.13682	2.93032	4.66364	5.18214	3.57987	3.50802	4.81992	5.01734	3.27349	4.09007	3.71153	5.80814	3.7479	5.66451	4.35703	6.77653

RP11-108	6.68799	6.90756	6.68069	6.70289	6.63752	6.88573	6.38093	7.07077	6.62489	6.74657	6.18412	6.69829	7.0622	6.58555	6.82086	7.07611
RP11-108	4.84143	5.85056	5.80344	6.3247	6.0437	5.76458	5.35566	5.73921	5.55954	5.97535	5.69404	5.3793	5.22455	5.93474	5.65551	5.93015
RP11-108	6.36044	7.11508	7.24621	7.18742	6.59523	7.15211	6.87216	6.65137	6.37833	7.10387	6.39244	7.32029	6.90197	6.50205	6.60061	6.89972
RP11-109	7.39669	7.05931	6.80329	8.07513	6.98991	6.83089	5.34129	5.45391	5.73556	7.52319	7.08864	7.22499	7.42256	6.02588	5.74427	7.35478
RP11-109	2.88015	2.79266	4.15015	5.15758	4.55455	2.67969	3.20323	2.98628	4.68603	5.74642	2.68367	4.07184	5.28282	4.49472	5.47117	5.3496
RP11-109	5.22866	4.83898	4.78915	4.66453	5.01701	4.4329	5.47996	5.50962	4.13584	5.60498	4.83644	4.88936	4.50434	5.29145	5.13836	5.63859
RP11-109	2.00108	4.05078	2.48448	2.40724	4.37137	4.25611	2.45415	2.52957	2.5663	1.96807	2.95531	3.33905	2.88174	4.2359	3.68625	3.17553
RP11-109	4.39081	2.91316	5.78627	3.41062	4.91541	4.71726	3.8062	5.80143	3.25201	3.00855	6.28689	6.43896	5.02985	2.48051	5.49177	2.4366
RP11-109	6.64508	2.95972	5.8705	4.74829	5.03761	4.08037	5.0499	5.14009	2.79078	4.47533	5.10329	5.42644	5.7348	5.19549	2.86345	5.12161
RP11-109	6.2767	5.42215	5.89038	5.16743	5.67559	5.63076	6.82951	6.39586	6.08585	5.92806	4.3863	6.48947	6.7118	4.25308	6.61395	6.25266
RP11-10K	3.72099	1.44837	3.94585	2.90159	4.58067	4.4107	4.32228	4.70767	4.04754	1.15042	4.80626	3.77334	1.82475	5.24887	5.06496	4.32063
RP11-10N	4.87633	5.05302	5.15982	4.23557	5.42632	4.78555	5.47192	5.78029	5.95749	5.34179	4.65006	5.41338	5.39933	5.41573	5.58686	5.2212
RP11-110	5.99039	6.32617	5.51991	5.992	5.03304	5.80329	4.75355	5.88688	5.7325	5.6287	3.13394	5.61268	5.2285	6.01167	5.72953	5.96359
RP11-110	5.84574	5.55145	5.77447	5.68112	5.73276	6.11708	6.03446	6.63658	6.27012	6.15963	5.60733	5.07091	4.53653	6.6512	5.51437	5.37077
RP11-110	5.78082	6.03648	5.92492	3.88735	6.3927	8.1398	6.97736	6.30382	5.57542	7.14716	5.70221	5.39962	5.26645	7.09489	6.6317	6.60839
RP11-110	2.08404	2.59102	2.66774	4.19971	2.39414	4.0466	5.65558	4.11111	3.78033	2.5437	2.52439	3.35152	5.37514	4.85467	2.63378	2.71584
RP11-111	3.36587	4.93789	5.14196	4.72819	4.64244	4.91834	5.88924	5.46715	5.40688	5.18807	4.81597	3.04581	3.50584	3.79618	5.01318	5.46398
RP11-111	5.69349	4.63759	5.84809	5.49584	5.8578	5.33448	5.20807	5.44975	4.90488	5.65267	5.00328	4.7521	5.08115	5.1836	4.55074	3.53602
RP11-111	2.23882	4.60868	3.14177	4.25148	2.55772	2.60961	3.53968	3.06557	2.93758	1.28097	2.64984	3.9549	3.97703	4.77206	3.94704	3.95427
RP11-111	6.86331	5.89502	4.97034	6.79018	5.59723	5.68938	0.83956	3.86842	4.2251	5.33111	5.58425	6.2538	6.79474	5.82837	4.64949	6.24052
RP11-111	4.35066	3.80592	3.69741	3.78412	6.85136	7.21144	7.01865	5.28972	3.6792	5.58847	4.72569	5.042	6.21022	7.36352	5.8373	4.01765
RP11-112	5.08775	4.48984	5.83943	5.39736	4.99272	4.97599	5.88592	5.40572	4.86753	5.24846	5.74832	5.23859	5.17075	5.02185	5.10876	6.02029
RP11-112	4.76359	2.70876	3.81806	3.93679	4.24744	2.86136	5.03767	3.92749	2.03262	3.8429	0.69487	5.41144	4.27078	2.59761	4.6631	1.62293
RP11-113	5.17869	4.35931	5.43789	6.16304	6.31611	6.75819	6.27516	2.95859	5.57038	5.8076	5.93047	3.82629	4.99664	5.16038	5.06869	5.25333
RP11-114	4.83558	5.10307	4.74575	5.31156	4.91541	4.79793	4.80946	6.44906	5.99187	5.19273	5.75191	5.62225	4.80326	5.39607	5.7425	6.23843
RP11-115	5.01689	4.06136	4.98248	4.77035	4.76854	4.18318	5.08913	5.11218	4.5294	4.99814	4.53119	5.24833	4.85212	4.30526	4.96159	4.72271
RP11-115	4.93295	4.31399	4.17984	2.1445	4.7864	4.71726	4.38384	3.73495	2.35886	4.75793	4.98736	3.81618	4.19674	4.88494	4.84645	4.94079
RP11-115	2.30837	3.3786	3.04356	3.04143	2.68714	2.48692	3.32901	3.88575	3.50839	2.5437	3.12278	4.30571	3.69964	3.75913	3.30762	2.65953
RP11-116	4.05217	5.27329	5.89711	4.97034	5.84343	5.42243	4.81522	4.92065	5.18657	5.53587	4.66481	4.71689	4.93183	5.76839	2.23945	5.07126
RP11-116	2.85784	4.54463	3.75788	1.444	1.42806	3.87636	4.09381	3.80483	1.87545	2.23712	3.83893	3.82629	3.12086	3.95895	3.93945	2.31622
RP11-118	5.76238	7.05272	6.15548	5.9677	6.48536	6.11511	6.67644	6.68032	6.09195	6.03361	6.14261	6.21022	6.32149	6.77836	6.35326	6.64176
RP11-118	6.58037	6.16426	6.66557	6.11602	5.90807	6.59605	6.41398	7.00217	6.05531	6.4835	6.09555	6.39685	6.38629	6.31673	5.93911	5.70455
RP11-119	7.20458	5.06897	5.26316	6.29632	5.8529	6.43048	6.02125	5.3451	6.00991	4.74035	5.55298	6.53641	6.26398	4.84817	5.89757	6.18888
RP11-119	4.14888	2.82798	6.34726	3.5907	6.51043	7.00164	2.73211	4.98541	5.24379	6.70502	4.0196	5.19674	2.92938	6.59396	6.94016	6.38419
RP11-120	5.45924	5.38965	4.56226	6.13409	4.86049	5.63393	5.99194	4.72163	6.30604	6.28468	4.5385	5.39962	6.17799	5.97927	4.25015	4.67557

RP11-121	2.04089	4.80261	2.21086	2.67969	1.93871	2.11228	1.37571	1.54991	1.69898	1.59139	1.1038	1.44837	2.96494	1.78331	1.74155	1.21992
RP11-121	6.51199	5.9748	6.9671	6.52875	6.90068	7.75205	8.19104	5.93164	6.98119	7.00541	6.45984	5.50032	6.818	7.48041	6.14592	6.76563
RP11-123	6.77897	6.76579	6.58956	6.45625	6.38544	5.84566	6.32268	6.95458	6.18897	6.65583	6.16676	6.71732	6.95444	6.69937	6.21771	6.70858
RP11-124	6.64277	6.14545	5.85386	6.36848	6.35143	6.96469	6.1336	4.55333	6.40806	6.24655	5.87276	5.72192	5.97368	5.93665	6.08253	6.81119
RP11-126	5.29504	3.78714	4.9024	5.43449	4.97974	4.26501	5.03203	5.82855	4.69241	4.39917	5.30969	3.86376	5.71403	5.97927	5.97908	5.95076
RP11-127	5.878	5.40205	4.17548	4.2727	5.00713	5.31609	4.86994	4.32501	5.68926	5.84725	3.97251	2.48941	5.51437	5.81335	4.09448	5.41552
RP11-127	6.62269	5.75283	5.29579	5.9677	6.09607	5.97782	6.18212	6.53713	6.14896	6.58963	6.34043	4.2376	6.4043	6.35603	6.32101	5.92868
RP11-127	2.65839	2.69344	2.86268	2.83422	2.83544	2.99117	4.41106	3.37974	2.50218	4.66095	5.58265	5.30957	5.52597	3.21424	5.6018	5.09318
RP11-127	6.50525	6.36978	6.57289	6.96795	7.49022	7.12935	7.86488	5.45844	6.52457	6.77706	6.45428	5.35438	6.36004	8.03105	8.22297	6.86455
RP11-12N	4.36572	3.50584	5.33688	3.10053	4.10606	5.50829	6.03144	3.98218	3.5404	5.90474	3.56921	5.15007	5.84195	3.54384	3.98218	3.89582
RP11-131	4.4643	5.03176	4.87909	4.97617	4.82316	4.91415	5.39676	4.94996	4.59228	5.44823	5.47001	5.20089	5.42917	5.3792	4.74294	6.09488
RP11-134	4.30677	5.9074	3.20427	4.85334	7.29993	5.85341	7.09136	7.04587	6.21797	6.29905	4.905	6.21309	5.81182	7.32427	5.94601	6.1809
RP11-134	5.21864	7.03401	6.66101	6.95994	6.49246	5.98862	5.88216	6.51384	6.96694	6.25178	6.98769	7.5649	6.27208	6.99012	6.81089	7.21213
RP11-135	5.4792	6.2801	6.57865	6.2807	6.35743	5.68517	4.38384	6.29126	3.90229	4.4261	4.40218	5.73292	5.41169	6.53008	4.72967	5.98886
RP11-138	7.64234	6.58386	8.21327	7.08393	6.6185	7.59745	7.5547	7.56657	8.00713	7.71725	7.83476	6.42316	6.63353	7.10858	7.20087	6.15096
RP11-138	1.79935	2.13825	3.56906	3.55701	4.31963	2.95599	2.67152	4.87944	3.27349	4.4261	4.45332	3.91935	3.69964	3.80927	1.88334	3.6836
RP11-138	3.68019	3.94952	5.68932	5.08982	3.92606	4.16542	6.10352	5.56338	3.58282	4.89182	3.68444	4.41586	5.39073	4.73364	3.41773	3.65514
RP11-13K	6.46142	6.60053	5.73303	6.19705	6.70376	6.44967	6.24733	7.28113	6.37043	5.55006	6.02213	6.31734	6.79474	5.5861	6.3295	5.77004
RP11-140	6.48424	5.43309	6.08344	6.29269	6.8728	5.45391	7.07869	5.02351	5.42436	6.47261	4.68708	4.45556	5.25748	5.75672	6.78116	5.97739
RP11-141	3.33951	3.36509	2.02586	3.24321	2.29738	3.11933	3.12496	1.44837	1.76451	3.09196	2.48014	4.91392	4.33795	2.95261	4.32654	2.47807
RP11-143	5.08159	5.35839	2.75954	3.71004	4.85449	2.86136	3.42552	2.731	2.64558	4.11175	3.27847	3.31042	1.7762	3.46534	3.18863	3.49413
RP11-143	5.90026	6.58183	6.7349	5.92848	8.11678	7.09952	6.93357	7.33998	5.92206	6.10171	5.82709	6.14938	6.92817	9.25156	7.12292	7.53288
RP11-151	3.28382	4.13063	4.13154	6.32705	5.93145	4.26501	5.01511	6.00675	3.71298	3.39891	3.84453	6.15904	6.39214	3.44975	4.34246	4.70821
RP11-152	4.88056	5.35328	5.28144	2.83422	2.83544	3.83233	5.45432	5.7594	2.35886	5.14202	4.25636	2.41615	4.15694	3.46534	3.6535	3.6454
RP11-153	3.26635	2.69344	3.64098	2.81334	3.7606	3.8966	3.08298	3.25357	3.17124	3.65408	3.24563	2.94469	3.16183	3.54384	3.68625	3.7297
RP11-155	4.16955	4.3216	4.2003	4.14041	4.07562	4.15792	4.39009	4.47773	4.14509	4.15112	4.27533	4.34225	5.54416	3.99364	4.44094	4.51207
RP11-157	4.9403	5.32827	3.51672	5.25003	3.27783	5.37312	5.40905	5.89117	5.28829	5.30184	3.93173	4.83675	6.15236	4.90027	5.61104	6.20798
RP11-157	2.75185	3.71942	2.04684	4.51263	4.59728	3.30682	5.60753	3.21508	3.13363	4.29458	2.86424	2.97562	4.23895	3.57546	4.60192	3.66526
RP11-157	7.19234	5.81938	6.81862	6.38959	6.90963	6.16175	6.63863	6.33407	6.30147	5.932	5.43204	6.06084	6.18589	7.02022	6.63586	6.51995
RP11-158	5.74003	5.62022	6.31191	6.08539	5.36727	5.70777	5.53505	5.34019	5.54116	4.69665	5.65359	5.78895	6.21022	5.72712	5.81981	5.70974
RP11-15F	4.34203	2.34474	4.7747	5.33258	4.74792	5.74682	4.64688	4.90215	5.16507	2.07832	5.56141	4.22176	2.49591	4.87322	4.13924	5.22723
RP11-161	1.74742	1.49036	1.44831	1.73098	1.60199	2.78532	1.98828	1.73724	1.59296	2.07832	1.98377	1.97567	1.53958	1.84505	2.14289	1.66002
RP11-161	1.0625	1.22235	1.73976	1.96731	1.69898	1.19537	2.98815	2.07548	2.61941	2.19868	1.26375	1.84666	2.04398	2.86263	1.92074	1.92725
RP11-164	3.23662	2.13825	3.19256	3.06525	3.79424	3.77609	3.27441	2.49961	3.46459	3.93408	3.26817	2.84585	3.67703	2.74868	2.65173	2.49784
RP11-164	6.49761	6.34341	6.60817	7.14668	6.83474	5.89174	7.31004	6.6557	7.04207	7.15739	6.26973	5.78642	7.05397	7.09489	6.05975	6.60736

RP11-166	6.11683	5.55391	5.80344	5.9313	5.47955	6.16676	6.35718	5.77868	6.9139	6.66963	5.77214	6.22183	6.52377	5.52251	6.79376	6.475
RP11-167	5.59425	5.99244	5.8555	6.19167	5.44316	5.8754	5.65267	5.57186	5.74444	6.15426	5.54563	6.69829	6.15519	5.92496	6.60878	5.90297
RP11-16N	4.96966	5.55803	5.74329	6.26102	5.30337	5.48278	6.29235	5.35918	5.64066	6.26791	5.52441	6.11865	5.66035	5.7348	6.03045	6.20911
RP11-16F	5.31789	6.38192	6.33134	6.4551	6.26547	6.04977	6.54889	6.65436	6.0189	6.29087	5.96787	6.29719	6.38477	6.30808	6.07628	6.3999
RP11-171	3.66681	3.91554	2.53621	4.31831	0.84574	1.42001	4.58061	3.19037	1.1038	1.49394	2.10233	4.23244	3.8683	2.28524	1.40126	0.80062
RP11-171	3.25147	2.97605	3.02585	3.33739	2.1445	3.27349	2.20014	4.10002	3.22752	3.05259	2.85145	3.33905	2.79294	3.26302	3.06557	2.96003
RP11-171	3.68019	4.52298	3.57935	2.28551	4.48291	1.00765	4.18377	3.97032	4.98761	1.43866	1.1038	3.35152	2.36805	1.5436	2.16493	1.1038
RP11-173	7.03457	7.1578	7.06749	7.21477	6.72205	7.15413	7.56206	7.52261	6.47102	7.41115	5.9736	6.9079	6.75946	7.43709	6.72362	7.29595
RP11-173	5.36418	5.79075	5.36713	5.91096	6.46703	5.64395	6.66656	6.05436	6.35089	6.01099	6.94544	4.18135	5.77971	6.42945	6.45915	5.74894
RP11-174	8.27589	8.08592	8.2105	8.07404	8.69245	7.93421	8.47869	8.71927	8.51396	8.12039	7.3304	7.81169	7.91133	8.22106	8.51154	7.46488
RP11-177	4.54239	2.51658	2.65267	2.81334	4.07562	4.37334	2.70047	3.56906	3.72995	3.70919	3.5826	2.55562	2.10686	3.73088	2.26702	2.79166
RP11-179	3.35226	2.01809	2.17949	4.90452	3.70286	2.48692	4.42347	2.2672	5.1046	2.07832	2.21379	4.07184	2.36805	2.37224	1.81049	2.45954
RP11-17A	5.89711	6.16288	5.03914	4.82835	4.72375	3.98206	4.94479	3.3596	3.6792	5.48805	5.94573	5.92734	2.00801	3.41704	4.70419	3.28662
RP11-180	5.26934	3.98362	5.57585	5.20417	4.7864	5.98542	5.61119	5.5136	5.21228	6.01933	5.51991	5.41144	6.26091	5.43328	5.37759	5.01962
RP11-182	3.84315	4.85013	5.38359	3.68112	4.87415	3.72561	3.32901	3.97032	3.06765	5.6242	3.6751	4.21622	4.65266	4.09275	3.40607	2.90822
RP11-182	6.77263	7.19727	7.29882	7.17501	6.21114	6.93659	7.48787	7.03288	6.95245	7.11782	6.51155	6.53641	4.59673	7.25999	7.48798	7.44587
RP11-184	4.23422	3.65681	3.20427	2.93958	3.07162	4.44653	5.50534	3.43351	4.7523	5.75475	4.79814	2.38821	5.54936	6.07302	4.38741	4.66581
RP11-186	5.82023	5.63336	3.63509	5.99734	4.98443	4.39841	3.85658	2.52957	3.48123	3.29126	3.92452	2.24796	4.2307	6.09697	4.34713	4.28288
RP11-18F	3.32431	4.60868	4.47847	3.97955	5.11124	5.33804	5.71182	4.00856	4.97647	4.13002	4.75435	4.95899	5.3152	5.29145	5.02595	5.36023
RP11-18I	5.00441	5.71111	5.90568	5.92025	5.91533	5.57446	6.30615	5.93164	6.44006	4.50434	6.01513	4.88663	5.56267	5.17875	5.40261	6.96888
RP11-190	6.99029	6.23481	6.35317	6.57951	6.99729	6.25872	6.77506	6.9225	6.48004	6.60293	5.95087	6.3109	2.26476	6.36872	7.13317	7.02275
RP11-194	4.23734	3.24005	5.25218	3.09229	3.65709	4.68671	5.36466	3.95757	4.87769	4.50994	4.17513	4.3801	3.82629	3.67981	4.30655	4.24629
RP11-195	6.17842	6.69739	6.3346	6.35753	6.63624	6.31284	6.88935	6.82416	6.83535	6.69664	6.9139	6.3057	6.59402	6.80682	6.38118	6.38419
RP11-196	4.62263	5.03773	3.50285	3.84298	4.31371	5.06736	4.43096	3.35226	3.9773	3.58027	4.193	5.19028	3.83791	4.93688	4.38995	5.80721
RP11-196	7.27022	6.90454	7.46804	7.17188	6.82532	7.1198	7.03429	6.84849	7.39264	6.38025	6.44292	6.41785	5.81182	5.99501	7.42441	7.49883
RP11-199	7.70063	8.56452	8.21836	8.15443	8.12887	8.52405	8.67259	8.94892	7.17007	7.21051	8.8365	9.04067	8.58123	8.49849	7.86145	9.48206
RP11-1C8	6.19499	5.47492	6.11483	6.42182	6.63886	4.84284	5.76985	5.92197	4.6793	5.93577	6.17676	6.43709	5.08852	5.86194	5.34195	5.57637
RP11-1E4	5.27357	4.92917	5.69143	5.23955	5.43457	4.10435	3.27441	5.61655	2.88086	2.44811	3.79556	3.96659	4.07063	3.19708	3.41773	5.21946
RP11-1L1	5.21864	7.26021	5.61264	6.7892	4.71898	2.81599	7.5872	7.03405	4.47552	2.47565	6.56249	5.10078	8.00512	3.8872	5.15143	4.82236
RP11-201	3.56191	4.81915	0.83338	4.08527	2.58828	2.07394	2.90726	4.06126	4.64364	3.37812	2.38828	3.57258	4.84193	3.42962	3.13607	2.5569
RP11-203	4.6618	3.91554	3.40986	3.50564	4.96712	4.92233	4.73921	4.73705	3.44034	5.32454	3.13394	4.4613	4.11891	3.6977	4.28892	4.389
RP11-203	3.72099	2.65522	4.82281	2.63639	2.39414	2.86136	3.31153	3.10948	3.72995	3.02948	3.23213	3.12959	3.67703	3.8419	3.52918	3.52431
RP11-209	8.90713	9.79051	9.14235	9.96903	8.74298	9.38269	7.7881	7.17317	8.12286	9.28207	8.901	9.39808	9.55947	9.98406	8.91763	9.37478
RP11-209	3.96263	6.10275	3.67897	5.51629	3.87174	5.32055	4.41311	3.79556	4.05284	3.74024	3.63542	3.98645	3.16915	3.74192	3.95757	3.94028
RP11-210	1.19711	1.09002	3.88236	3.21843	3.09072	2.86136	3.52327	2.61382	0.12919	3.97041	2.63321	1.4899	3.05227	1.88842	2.98901	3.01871

RP11-210	2.93125	3.32466	5.06834	2.90159	5.7441	3.0658	6.94842	3.93793	3.15245	2.80132	1.67696	2.91196	2.66449	7.10858	3.53974	4.63943
RP11-212	6.56925	6.59372	6.13469	6.10023	6.09202	5.37446	5.70049	6.5353	5.3421	6.54284	5.63813	6.15255	5.04804	6.2787	5.75079	6.37144
RP11-214	6.42897	4.96244	6.49991	5.74598	6.1019	6.82775	5.61771	6.51043	5.90229	6.68558	6.35704	5.63434	5.95183	5.84528	6.07014	5.91883
RP11-214	2.78532	4.648	5.17978	4.93889	4.53679	4.72028	4.89207	4.28209	5.18553	4.83573	3.46973	4.62221	4.85113	3.25706	3.34536	4.73212
RP11-214	1.54854	3.34445	1.79898	4.76672	4.5743	3.96435	3.35187	4.5714	4.44708	4.48984	4.20991	2.15748	2.26476	4.83639	4.34246	4.04011
RP11-214	1.79935	3.01952	2.25072	1.55195	1.80599	2.11228	3.23578	1.44837	2.61941	2.77263	1.36661	2.41615	3.36189	3.49255	1.78116	2.49784
RP11-215	7.29026	7.03265	7.1385	7.11703	6.94208	7.419	7.4428	7.30165	7.24157	7.38177	6.76553	7.14791	7.29311	7.24329	6.92827	7.05849
RP11-215	3.68019	3.52573	3.91647	4.16395	4.65407	3.57327	4.71077	3.93793	5.11278	3.72029	3.89949	4.04754	3.83289	4.75121	3.96629	4.17756
RP11-216	5.29504	5.72006	5.9687	5.74926	5.35492	5.03715	5.45432	5.76823	6.10182	4.88336	5.43775	5.1725	5.15157	5.90555	5.66269	6.09972
RP11-217	3.56191	2.89801	1.64561	3.93679	2.50418	1.90997	2.53476	2.8638	3.04535	2.19868	3.90646	4.36401	5.78934	2.31516	4.23617	4.24336
RP11-217	1.92303	3.3786	2.81121	2.83422	2.81309	2.93381	1.63196	1.54991	1.53958	1.96807	1.91586	1.80953	2.6465	3.33112	2.00801	2.92719
RP11-218	4.09491	5.1507	5.01027	4.77837	3.65448	5.17834	3.6755	3.34245	4.95356	4.76479	4.26713	5.19111	5.25748	3.86642	4.71918	2.59102
RP11-218	4.96173	5.1248	4.1682	6.02751	2.58828	4.61747	3.77935	5.17831	4.67119	5.34336	4.3025	3.29115	3.14193	2.05268	5.11666	5.27518
RP11-218	3.81865	3.00618	3.33383	3.90548	3.16569	3.95264	5.80714	3.93793	4.55066	3.60777	4.06326	5.6703	4.2792	4.02061	3.36098	5.63664
RP11-219	5.0758	4.85307	5.08129	4.50409	4.18485	4.92411	3.63794	4.45556	4.23521	4.72831	3.77534	4.63911	5.35628	4.14967	5.01135	4.88015
RP11-21C	5.02649	5.43602	5.22874	5.36331	4.84049	4.7668	5.59967	5.63251	4.26581	5.37429	4.66023	5.3962	5.75797	4.44205	3.98218	4.31542
RP11-21I	6.56229	5.3451	6.70583	6.00252	6.69966	7.36398	7.47622	5.00871	6.48609	6.79262	6.13554	6.66184	6.42469	7.39935	6.80898	6.28914
RP11-220	3.44273	1.8084	2.21086	2.88071	2.9933	2.89716	2.39011	2.55884	3.11326	2.91059	3.06624	2.31832	3.26844	2.95261	1.88334	2.22886
RP11-222	3.39513	4.30232	3.68203	4.56179	3.52527	4.21021	3.27441	4.97563	4.44708	4.31978	4.34817	4.6265	2.79294	3.19708	4.36479	2.88582
RP11-225	3.22144	2.53824	4.84794	3.51493	4.08624	4.84284	4.008	3.43351	2.97568	3.6977	2.90046	3.69374	2.49591	4.07659	2.81201	3.73803
RP11-226	6.64277	6.64251	6.62758	6.78753	7.06194	7.29117	6.73729	6.13354	6.21797	7.24063	6.50673	5.15207	6.85892	6.55263	7.04258	7.34509
RP11-227	3.36587	2.61396	3.08807	3.27048	3.16569	3.68688	3.23578	3.13235	3.06765	3.07203	4.35441	3.47261	3.21485	4.05603	3.95895	3.17553
RP11-231	4.44009	3.42761	3.15379	5.45206	3.24511	3.76182	5.18039	4.87944	3.42477	5.25952	4.5385	4.14691	3.93646	3.16811	5.68156	3.70541
RP11-231	6.65309	6.80263	6.50447	6.59837	6.09052	6.48183	6.09488	6.36564	6.02598	6.76291	6.36616	5.86232	5.99542	6.49826	5.95087	6.26771
RP11-235	2.16905	3.01952	3.21294	2.79365	3.2065	3.08198	2.58845	2.83945	3.04535	2.42411	3.14656	3.32466	3.02655	2.79431	3.25706	2.9809
RP11-245	4.66752	5.32348	4.58037	5.42787	5.60769	4.81041	5.35053	3.91364	2.67969	2.97414	4.79814	3.89608	2.10686	4.92151	5.41275	5.76162
RP11-245	2.55807	3.30026	1.88755	2.1445	2.76484	2.03544	2.27576	2.93245	2.81157	2.69205	3.64053	2.34474	2.52228	1.88842	1.81049	3.17553
RP11-247	6.77466	5.83775	4.94061	6.23787	5.56689	5.56637	5.89465	5.81033	5.92492	4.48115	5.22179	1.84666	4.84921	4.07659	5.29656	4.887
RP11-248	5.59803	4.35031	5.61264	5.11258	6.02751	6.01658	4.16867	5.7594	5.0773	5.5278	5.72061	5.56476	4.93756	5.3792	4.92331	6.14843
RP11-248	6.49139	7.62433	7.57878	7.63528	7.43529	7.10717	6.79872	7.02487	7.41264	7.28396	6.84518	7.35953	6.38629	6.39199	6.85132	7.0622
RP11-24I	5.61093	5.1248	5.33349	4.10198	5.17658	4.86073	5.35566	5.692	5.45313	5.29139	5.54563	5.78361	5.35451	4.90583	5.65551	6.14115
RP11-24F	5.11682	5.62378	5.57398	6.13409	5.59446	5.98304	6.07864	6.27029	4.50459	6.10171	4.61448	6.3127	5.37514	5.34487	5.64923	6.24261
RP11-250	2.44059	1.62441	2.50291	3.08274	4.36498	2.48692	5.21321	3.0093	5.08232	5.05088	3.981	3.68084	3.78698	4.48643	3.53974	3.31912
RP11-250	3.91761	3.40176	6.489	3.1994	5.90945	3.09851	6.87912	5.71377	5.1046	5.8969	4.81597	5.80184	3.34323	6.06026	4.82932	5.98219
RP11-251	4.86397	4.52696	4.56226	4.66453	5.6902	5.83	5.75951	3.85505	5.72745	4.6502	3.45744	0.46592	5.36439	2.99448	5.41113	5.22223

RP11-252	6.24994	5.99556	6.7036	5.8555	5.99873	6.30069	6.19203	6.10228	5.84112	6.29905	5.7102	5.08443	5.88635	6.63574	5.64227	6.5732
RP11-254	5.60332	1.9808	3.35289	2.92162	3.33875	4.05393	3.32901	4.1207	3.46459	3.46275	3.06624	2.8813	3.32016	3.27909	2.76084	2.82844
RP11-255	2.00108	1.8084	1.64561	1.3754	1.42806	1.42001	1.54854	3.0093	1.63986	1.74155	1.91586	2.83233	1.41985	1.21564	1.78116	1.96263
RP11-255	6.7635	6.89021	6.79769	6.65364	6.3798	6.71622	7.06265	6.72473	6.46703	6.77476	6.65563	6.15139	7.02275	6.35887	6.80762	6.7472
RP11-255	5.32883	5.63823	5.3987	6.49761	6.4564	6.28277	6.6076	6.16296	5.60363	5.54577	6.21888	5.80388	6.11748	6.80143	6.49574	6.91272
RP11-255	4.88056	3.83303	2.17949	2.79365	2.42207	3.27349	4.48301	1.91261	2.58986	2.61134	3.23213	1.44837	4.09292	2.83991	4.33642	4.64352
RP11-257	2.63482	-0.2117	2.50291	2.28551	1.60199	1.78116	1.54854	1.96139	-0.238	3.46275	2.97056	3.03309	2.39587	0.62135	0.33356	0.42629
RP11-258	6.4564	6.13935	6.36119	6.13753	6.87735	6.51053	6.89505	4.88154	6.51291	7.69052	5.62765	5.95126	5.3531	6.32921	6.65907	5.83559
RP11-259	3.14636	2.46272	1.82328	2.55745	2.55772	2.18538	1.54854	1.73724	1.32709	2.72148	3.74792	2.59016	2.17097	2.41572	2.47462	2.4155
RP11-25I	5.71671	5.29717	5.72892	5.0714	5.59446	5.23419	5.95444	6.01952	6.61221	3.86818	5.54389	6.03535	5.81769	4.27418	5.05678	6.5788
RP11-263	6.3127	6.24408	5.74682	5.61979	5.79256	5.47132	6.35718	6.29126	6.07403	6.43506	5.21362	5.46793	6.26776	6.68938	6.01459	5.48056
RP11-263	4.89528	5.26171	5.4757	5.39423	4.17502	5.03249	3.42552	5.30178	4.49404	4.68824	5.17761	4.08601	4.18518	4.76631	4.99814	8.11781
RP11-266	2.30837	2.23621	5.13395	3.89582	2.1445	3.25596	3.29192	2.21132	2.83517	2.91059	2.24458	2.69934	2.46016	2.74868	3.50176	2.31622
RP11-266	1.87757	1.62441	1.85463	1.85049	2.0729	1.90997	1.54854	1.79233	1.92414	1.92074	1.63512	1.91466	1.86408	1.6809	2.04035	1.92725
RP11-271	7.77456	8.01779	8.8213	7.78669	7.1234	8.63076	9.02691	8.02346	8.38038	8.91873	8.08303	7.35408	7.22958	7.99727	7.92217	7.6511
RP11-272	3.17857	3.07762	3.50622	3.04143	3.03309	3.40348	3.64382	3.0481	2.76258	2.88148	2.93839	2.20167	3.10377	2.74868	2.76084	3.13394
RP11-274	5.87483	5.81537	4.9891	5.04627	5.58598	4.60034	5.41755	5.62759	4.81378	6.09515	5.75276	5.55179	5.6564	5.1836	5.97678	5.87097
RP11-274	5.30688	5.75797	5.71395	5.28175	5.37675	5.21084	5.91306	5.83622	5.61701	4.77152	4.82998	4.92491	5.78934	4.32699	5.88021	5.96539
RP11-278	5.22866	4.69357	5.77656	6.12151	5.51597	5.8657	5.2912	6.41892	5.53587	5.81071	4.11419	3.91237	3.17825	5.60451	4.28189	4.64352
RP11-279	3.82982	5.00579	6.72905	4.65451	5.69186	4.20319	5.61494	5.56628	3.98331	5.03724	5.83329	4.11653	4.84921	4.5359	6.44881	6.41933
RP11-27I	5.9621	5.78029	5.96196	5.88057	6.19642	5.80912	6.38982	6.67073	6.83665	6.60163	6.15426	5.30548	5.56929	6.2813	6.42743	5.36306
RP11-284	1.44194	2.21392	2.3147	1.33008	2.18367	1.95254	1.49083	2.78286	1.59296	2.75002	2.3203	2.73426	2.26476	2.44811	2.21248	2.28681
RP11-285	3.81591	4.12751	4.30608	3.01442	3.39928	3.31395	4.81723	4.2251	3.58879	2.96351	2.57877	3.9262	4.00025	4.48935	3.57431	3.63219
RP11-285	6.45143	6.2039	6.0342	5.02046	4.85056	5.96787	6.04417	6.55056	6.29094	4.66095	5.02623	5.93911	5.27588	5.84528	5.85419	5.28996
RP11-285	7.97095	7.90604	8.29063	8.14844	7.93534	8.48891	7.56206	8.10034	7.5985	9.0251	6.86503	7.93468	8.01124	7.38512	7.58056	7.60269
RP11-285	2.96659	3.25613	2.00164	2.63639	2.36593	2.36638	2.23396	2.23712	3.17124	2.50603	4.3412	3.11416	2.07729	3.10839	2.56931	2.15094
RP11-285	3.41112	5.30779	6.38216	6.42945	5.58134	6.59049	6.7147	5.64102	4.84572	6.19774	5.87662	3.93749	6.25888	4.2645	5.66719	5.09318
RP11-286	4.24384	2.46272	4.58744	2.83422	1.3442	1.90997	3.97251	3.06557	4.41574	2.07832	4.9748	4.18954	5.06968	3.55944	4.71918	3.94585
RP11-288	4.42363	1.67217	2.63513	2.12186	3.32431	5.46179	5.52271	2.34717	2.95663	2.95492	4.94996	3.96659	3.43133	2.59761	4.6991	3.53602
RP11-288	5.99847	6.50148	5.96196	5.47252	6.30709	6.13923	6.33001	6.8268	5.66485	6.12673	5.16519	5.67663	5.97667	6.15139	5.66533	6.65074
RP11-28F	5.22866	5.46615	6.20271	6.27917	6.78332	7.12648	7.30631	5.88688	6.39306	5.92806	5.75058	4.79894	6.74566	7.47423	7.33082	6.45994
RP11-292	4.69843	4.91088	5.0822	3.97084	4.34233	4.26501	5.0499	4.2959	5.06749	5.39491	4.98132	5.19674	6.14424	4.62104	4.4703	4.99562
RP11-295	3.40102	3.54065	4.26297	3.41615	4.2998	4.35866	5.81473	5.65461	4.50994	2.86655	4.85056	5.00397	6.20838	4.79805	5.88508	5.99998
RP11-295	2.72538	4.46162	3.04356	4.11572	2.47594	1.90997	3.74769	4.19473	3.22752	2.12186	2.15913	1.31925	2.92938	3.23061	3.26899	4.17756
RP11-295	5.65081	3.3786	5.80642	5.3392	3.98376	5.21084	5.98416	5.61233	5.60363	5.42236	3.21922	4.67459	4.38612	4.78915	4.60609	4.87671

RP11-297	3.97679	3.98362	4.47125	3.94629	3.42572	4.55731	3.64382	5.07511	4.67119	4.5431	4.68708	4.53637	4.32095	4.15245	4.31059	4.84596
RP11-298	2.50129	3.25613	2.50291	1.73098	3.03309	4.19473	2.96225	2.95859	3.15245	2.07832	0.99002	3.22488	1.7762	1.36152	1.61881	1.0625
RP11-298	5.88381	5.65871	5.35834	5.54116	5.19435	4.56285	5.51451	6.18589	5.17602	4.96614	5.5172	4.99448	5.51666	5.27102	5.82773	4.49636
RP11-29F	6.62448	6.1983	6.46176	6.74124	6.818	6.24099	6.86547	6.73741	6.27012	6.56491	6.1103	6.51968	6.47493	6.30916	6.61659	5.979
RP11-29F	4.39937	5.63823	5.34947	4.69677	4.19738	5.52508	5.83954	5.04171	5.04912	5.81071	5.9634	5.23859	6.14906	5.6617	5.57124	5.04804
RP11-2E1	6.14922	4.86753	6.32149	5.61264	6.12617	6.56497	6.29119	5.41625	6.58754	6.35777	6.566	5.30548	3.44604	5.582	6.31261	4.94543
RP11-300	1.50761	3.45279	2.66774	1.67907	1.48455	3.08198	3.10453	1.54991	1.76451	1.82992	2.72092	1.41969	2.68899	1.64103	2.9127	1.80953
RP11-301	3.82982	2.31976	1.59211	2.40724	1.80599	1.85868	1.49083	2.88789	2.03262	2.63576	1.95222	2.63249	2.00801	2.37224	2.21248	2.82844
RP11-303	4.29421	4.50537	2.11428	4.17431	4.61811	2.42212	4.34027	0.01726	4.07916	0.85718	0.11027	-0.4198	1.82475	0.89896	3.12323	2.19188
RP11-304	5.21272	6.07029	3.86957	6.17072	3.22566	4.89474	5.47555	5.17831	5.64719	3.50939	5.13338	4.6561	6.24655	5.49251	5.38754	4.37747
RP11-304	3.44273	3.64032	3.12132	2.95827	2.91487	2.86136	3.42552	3.32868	2.76258	3.37812	2.15913	3.15604	4.23895	3.07586	2.94685	2.67577
RP11-305	5.81029	5.99244	6.75178	6.37105	6.57468	6.73129	7.98493	6.21237	6.11334	6.21063	6.50827	5.95764	7.10697	6.16967	7.15001	7.01847
RP11-305	5.77804	5.65243	6.5016	6.17219	6.55916	6.01138	7.46824	6.80197	6.06835	7.59528	5.22442	6.01971	5.44143	6.58393	6.35641	5.36023
RP11-305	2.04089	2.49227	2.27099	2.1445	2.50418	1.95254	2.20014	1.96139	2.64558	2.61134	3.99549	1.94688	3.03764	2.48051	2.29341	2.10224
RP11-305	4.39937	5.20867	4.93219	4.66023	5.64806	5.76769	5.88592	5.8726	5.84835	4.66095	4.82299	3.46371	5.38659	5.58961	5.95087	5.64846
RP11-305	5.13232	5.90076	5.55069	5.46594	4.27362	4.67381	4.90633	5.46715	3.55701	6.67754	5.39144	3.03309	4.69241	5.12155	4.32106	3.53602
RP11-307	1.70087	2.29438	1.92303	2.63639	3.93705	2.27957	2.15094	1.99703	2.81157	2.12186	3.92452	3.15604	2.04398	1.72157	2.59102	2.04035
RP11-307	6.82903	6.58386	6.29317	6.57501	5.50313	6.64067	6.57608	7.05751	6.09939	5.96774	6.55645	6.27203	7.24855	5.7441	7.06035	6.48123
RP11-308	7.33495	6.8328	6.05051	6.21818	5.02465	5.03715	6.03446	4.83606	5.62078	5.48393	4.74589	5.50994	4.29511	3.33112	4.95919	4.50264
RP11-309	6.93638	7.72056	7.63045	7.51144	7.8905	7.43605	8.16298	7.54991	7.01519	7.52519	6.88379	7.38703	7.04514	7.18124	7.95297	6.76838
RP11-310	6.07584	6.02581	5.66511	5.80097	5.81113	5.64632	5.23329	6.4299	6.02244	6.13152	5.10329	6.64108	5.84764	5.94499	5.98501	6.06314
RP11-313	5.3496	6.07446	5.70234	5.41414	5.67026	5.39763	5.47555	6.33679	5.79752	6.42492	5.48278	4.02412	6.52065	6.09501	6.10622	5.17323
RP11-314	4.57516	2.81246	3.42172	5.18214	3.0533	4.87602	3.0573	2.64349	2.07939	3.99153	3.16885	3.79097	2.52228	2.95261	2.78105	3.08868
RP11-315	4.96737	3.4933	3.90511	4.64889	3.62835	5.16691	4.47022	5.26563	3.72995	3.78199	5.29638	5.49559	4.77727	4.65312	5.41113	2.26153
RP11-318	4.31556	4.39917	3.40102	4.30655	3.41088	4.05393	4.30475	3.94809	3.50839	3.83015	3.46534	4.16089	4.60738	3.85416	4.01749	3.82034
RP11-319	4.58951	6.22052	5.40086	6.18324	4.95776	5.47877	7.14499	6.15898	5.36067	5.20755	2.6113	7.19354	5.49284	4.31831	5.47619	5.84778
RP11-319	4.97134	4.06918	5.0536	5.1339	4.47233	4.46162	4.21006	4.38541	4.26368	4.23371	4.20397	4.09395	4.2019	4.88639	4.52112	4.53252
RP11-31K	1.54854	0.62135	1.09002	0.78709	1.26539	0.74252	2.0296	1.04435	1.32709	1.15042	2.3203	1.94688	1.73296	1.72157	1.40126	1.1038
RP11-320	2.30837	2.53824	4.58037	4.1487	3.32431	2.36638	5.12739	2.52957	2.13825	2.23712	2.10233	1.87757	5.19521	2.09344	3.90511	1.66002
RP11-320	2.40819	2.39163	2.55526	2.184	5.54991	2.65434	4.96563	2.64349	2.95663	2.98998	2.63321	2.64907	1.7762	2.22838	3.01721	2.51437
RP11-324	6.15156	6.29484	5.9634	6.17219	5.82427	5.89737	6.96924	5.42199	6.20242	4.37418	5.91445	6.57977	5.537	4.70657	6.13563	5.61508
RP11-324	4.96737	3.48434	5.1832	3.68112	4.61145	3.09851	5.02086	4.9083	4.73809	5.45776	4.22933	3.45239	4.51744	3.7466	4.62482	5.41218
RP11-326	4.59992	6.04791	4.97788	6.07026	5.4497	5.582	4.19082	3.79039	2.43603	5.32454	4.64863	5.43241	4.86826	5.25618	2.94685	4.25148
RP11-326	6.65541	7.01461	6.16461	5.9677	6.85804	7.2601	5.23329	6.29666	6.78897	5.541	6.94544	7.0208	6.59402	6.54832	6.1695	6.03959
RP11-327	2.44059	5.27758	4.93219	2.1445	3.59057	3.82218	1.91146	1.54991	4.69793	4.36468	4.23603	5.02213	3.21485	5.21946	5.51058	5.36023

RP11-329	5.86108	6.5736	6.96054	6.70697	5.57001	6.64701	6.41838	7.04066	6.55951	6.73025	5.56646	6.86749	6.26091	6.77516	5.68631	6.49706
RP11-329	3.42813	3.16637	3.76552	2.63639	3.07162	3.08198	3.52327	3.0481	3.33041	3.75611	4.44812	2.13113	3.36189	3.26302	4.10961	3.62113
RP11-330	5.45924	5.30779	6.19313	4.70214	3.84331	4.0873	5.91096	6.02933	4.69793	6.47261	5.73103	4.03129	4.19674	6.42113	4.93457	3.39583
RP11-330	2.55807	5.66603	3.30294	4.77837	4.61145	4.1494	5.56581	5.29334	5.25322	4.25004	5.90945	2.97562	5.31934	4.95231	3.80883	5.14155
RP11-332	3.11441	3.00618	2.56774	2.43076	2.39414	3.27349	2.63794	3.0481	3.22752	3.85542	2.79035	5.88329	3.36189	3.62944	3.06557	2.57571
RP11-333	2.72538	3.85394	1.95191	4.26515	2.97095	3.25596	3.35187	3.21508	1.92414	2.98998	4.15044	4.79449	0.76448	3.70919	3.89749	4.16516
RP11-333	6.47895	6.74684	6.71005	6.85804	6.27938	6.86019	6.76622	7.14971	6.57373	6.67304	6.76409	5.47492	6.95968	6.89922	6.6672	6.75482
RP11-334	6.85291	3.55786	5.99084	5.98749	5.25573	5.29571	6.24136	5.87608	5.06749	4.87894	5.36397	6.3295	5.63921	4.2359	3.36098	5.05177
RP11-334	4.17798	4.21006	4.57507	4.23832	4.28892	4.45963	4.49757	4.15015	4.43996	4.68824	4.48301	5.06151	4.51744	4.51886	4.3828	3.40822
RP11-338	5.56883	5.76009	5.66511	4.30655	4.68071	5.7804	5.40905	4.80693	5.57542	5.02266	5.70745	5.49238	5.01038	5.54823	4.99054	4.16516
RP11-338	6.12533	6.43304	6.42921	3.68112	4.87061	4.44183	5.07679	4.98541	6.17111	5.15052	4.61448	4.75713	4.52282	5.09791	5.09806	5.20552
RP11-339	4.45264	4.08141	2.17949	2.88071	0.84574	2.51251	1.68451	4.51886	1.26079	2.50603	1.67696	1.80953	2.13674	3.78375	2.6136	1.0625
RP11-339	6.87829	6.66476	7.64214	7.23733	7.03954	7.24254	7.64224	7.61668	6.79769	7.0676	7.18328	7.54819	7.07077	7.27694	6.89555	6.7756
RP11-33C	3.48571	2.18884	3.5252	4.09864	5.75357	4.89474	5.76629	4.81522	5.0773	3.2328	4.96344	2.91196	3.10377	5.61679	5.47974	3.31912
RP11-340	0.90643	1.62441	3.6244	1.11532	1.3442	4.07245	0.83956	1.54991	0.36087	0.65546	4.77423	4.32878	2.10686	4.27418	0.93298	1.66002
RP11-341	5.34118	5.45677	5.52187	5.35874	6.00658	5.53895	5.46222	4.9984	4.37613	5.99161	4.67236	6.16815	6.38344	5.43004	5.53021	6.66751
RP11-342	3.93705	2.63607	2.8391	2.77414	2.87786	3.40348	2.61298	2.95859	3.38569	4.05738	3.47644	2.59016	3.21485	3.62944	2.26702	3.10689
RP11-343	3.04535	3.88198	2.63513	5.25816	2.79083	3.74792	3.68625	4.03916	5.73855	3.42914	3.45096	3.66815	4.2307	5.55932	3.93945	4.14722
RP11-347	3.11441	3.20291	3.67421	3.48474	3.22566	3.601	5.37133	4.15015	3.95837	3.3263	4.28892	3.69374	3.72312	6.00568	3.5512	3.97214
RP11-348	0.49324	1.49036	4.16313	5.21128	1.97947	3.09851	2.73211	2.34717	2.5663	0.47227	2.48014	2.2743	5.21117	2.95261	3.46534	4.2082
RP11-348	4.74224	3.24563	2.72411	4.85873	4.29721	4.7668	1.73976	4.35762	4.16584	5.21721	4.99999	4.13105	4.2307	4.97512	4.87237	5.41917
RP11-348	2.89649	3.30026	4.18506	4.69677	2.50418	2.86136	4.01749	3.17146	3.72995	2.95492	2.97056	3.31042	3.40212	2.74868	4.93071	2.36473
RP11-349	4.29421	5.28694	5.72202	5.07849	4.89904	5.54219	4.23557	4.56358	5.75916	5.86819	3.97251	6.36032	5.34576	4.78915	4.6991	5.08786
RP11-350	4.30874	3.61598	5.5628	3.57258	4.89126	5.53655	4.93282	4.73171	4.66095	4.49302	4.54821	3.74859	3.98362	5.10609	4.88247	5.19361
RP11-352	3.86261	2.86158	5.63471	5.57471	4.64244	3.5856	5.58885	4.79259	5.87771	5.45382	5.51275	5.45844	4.38612	4.98856	5.48401	5.63419
RP11-352	3.17857	3.13884	3.02585	2.93958	3.14557	3.41719	5.07033	3.55509	3.06765	2.69205	3.32655	3.26763	4.12996	2.83991	3.32134	4.05789
RP11-353	7.05859	7.15042	7.07057	6.82775	6.80033	6.97459	7.09026	7.68134	6.47337	6.94501	6.61955	6.89365	6.88799	7.03226	7.05005	6.79281
RP11-353	2.34348	0.69487	2.04684	0.47227	3.83175	1.95254	2.06028	2.58708	1.53958	2.34717	1.74872	1.07852	1.11444	1.1104	3.25706	2.15094
RP11-354	6.71221	6.86529	7.20528	6.846	6.57468	6.92227	6.90697	6.92419	6.73228	6.96563	6.8335	7.04923	7.24743	7.40895	7.04587	7.00224
RP11-355	6.29126	6.23163	4.87909	5.91346	5.85003	5.98304	5.72875	5.49051	6.16438	6.14368	5.37493	5.58627	6.15765	4.369	5.0902	5.88618
RP11-355	1.44194	1.88256	2.11428	5.25816	1.26539	2.39513	2.31492	1.44837	2.39727	2.01376	2.85145	2.13113	1.63986	2.37224	1.1668	0.80062
RP11-356	5.85581	3.60842	5.84965	6.40719	4.94529	5.57693	5.74842	5.62474	5.6132	3.75611	5.55582	5.63055	6.53612	5.84102	6.13042	5.12804
RP11-357	3.25147	2.10562	3.16713	3.30112	5.50605	3.49365	4.38384	4.96893	3.82945	3.66644	4.92331	3.96659	2.29255	4.32699	3.51602	5.17859
RP11-357	3.02599	2.04582	4.47847	2.79365	3.09072	5.53155	5.4508	1.73724	2.76258	2.07832	4.33776	4.45556	4.34627	2.86263	1.74155	2.47807
RP11-359	5.65625	5.6126	3.83335	5.55428	4.85056	5.24795	4.46025	5.82161	5.16507	4.55142	5.54233	6.07116	5.57521	4.45641	5.41113	5.63664

RP11-359	1.74742	0.55223	2.40841	1.63196	1.20215	2.03544	1.03884	0.76448	1.18021	1.92074	1.41342	0.68341	1.59204	0.96901	2.36623	0.86912
RP11-360	1.87757	2.72769	2.42383	2.22193	2.10233	2.15563	2.78886	2.07548	2.13825	3.3263	5.16821	2.07548	1.63986	2.18939	1.52655	1.62293
RP11-360	3.02599	3.76552	3.25331	2.03633	2.02496	3.04945	3.31153	4.1399	2.90046	3.55696	3.18189	4.31399	2.94778	4.2359	3.01721	3.65514
RP11-362	4.95075	3.86925	2.77497	4.02962	5.72448	3.28947	4.88202	4.36705	4.17624	3.92077	4.15044	2.20167	2.8623	3.26302	5.04974	4.61957
RP11-362	5.77804	3.95879	3.49445	5.81025	4.74792	4.7668	5.0499	4.9083	4.73809	4.37418	3.07695	5.03733	4.73847	3.90216	3.99153	4.28288
RP11-363	5.11682	2.63607	5.8105	5.21663	6.13485	4.21854	3.8062	1.61881	5.3788	6.13152	5.33643	4.48458	5.03426	4.2645	5.19592	2.36473
RP11-365	5.68623	4.93339	5.28144	5.92848	5.45685	6.07822	6.11701	4.48907	4.72178	5.93577	2.41572	4.44009	5.3152	5.81954	4.61047	5.67296
RP11-366	2.40819	1.88256	0.53357	4.00732	2.02496	3.15165	1.73976	1.22235	2.13825	2.07832	1.67696	1.54854	4.10293	4.4695	1.08679	2.63794
RP11-369	5.49464	4.55111	3.61284	4.94472	4.24744	2.36638	3.92606	3.34245	3.27349	3.82085	2.98436	2.89774	4.78966	3.16811	2.881	4.96683
RP11-36E	5.79561	6.19272	3.38079	4.2727	4.65407	5.4297	5.71572	5.67359	5.93654	5.73126	3.47644	5.60425	4.82475	5.45508	4.4329	5.73754
RP11-373	6.0104	5.48072	5.47111	5.65354	5.54452	5.30898	6.79557	5.27601	5.98862	5.25952	6.07077	5.2073	5.78301	5.7495	4.74768	4.98009
RP11-375	5.68967	2.91316	5.02776	4.18478	4.74107	3.17101	2.73211	3.41422	3.98331	5.25952	2.13586	2.17829	2.34547	3.60186	3.70234	3.23061
RP11-378	6.96991	6.78172	4.61987	7.31389	6.62843	7.82021	7.57009	5.41101	7.3161	4.60176	7.2324	5.19111	5.90026	7.07903	6.83389	6.96694
RP11-378	2.30837	4.7658	3.16713	4.69119	2.81309	2.18538	2.3531	3.79039	4.52735	2.31329	2.45719	5.98617	2.59488	2.65463	3.24403	4.39898
RP11-379	4.85229	4.8244	4.5554	5.34859	3.42572	4.49442	4.008	4.71588	4.43996	4.69665	4.86304	3.68084	4.80971	4.62104	4.25827	5.08064
RP11-379	6.80432	6.41264	6.69068	6.9573	6.65084	7.05116	7.30095	6.88023	6.29946	5.77406	6.35993	5.57353	5.64247	3.57546	6.47261	7.65647
RP11-37C	5.13232	4.14078	4.70708	4.83683	3.50802	5.0631	5.11637	5.7092	5.1046	4.61747	4.64412	5.15007	4.87351	5.13036	4.64949	5.04116
RP11-381	3.9256	5.25098	3.97828	5.23955	5.12769	3.8966	3.08298	3.10948	3.78033	4.595	3.83893	4.4643	4.73847	4.61514	3.87472	4.15607
RP11-382	6.63529	6.18222	5.75095	6.34538	8.28971	6.81113	5.8975	6.25369	6.68791	4.93233	4.73761	5.84617	7.68633	6.82752	6.83992	9.80853
RP11-384	5.15459	4.3801	4.36468	5.41994	2.44843	3.5856	2.78886	3.31083	3.11326	4.43223	2.54194	3.93749	3.36189	4.03667	3.82329	4.62412
RP11-384	5.51128	5.8076	5.51437	5.66075	4.75305	5.0543	6.80609	5.71377	5.3948	4.96132	5.57038	6.57468	5.86066	6.06328	4.94373	5.2591
RP11-385	4.04247	6.5736	3.79162	3.74939	4.39215	4.07245	6.42054	6.19649	5.80222	4.09007	6.14455	6.0106	4.2792	6.30916	4.25015	6.16473
RP11-388	5.63823	5.57693	4.45763	5.43104	6.06196	5.34835	5.57038	6.21452	5.64719	6.06084	6.04515	5.52528	6.29873	6.03389	5.96549	5.95267
RP11-388	5.11682	7.01865	5.36713	6.40363	5.99873	6.27405	5.97739	6.62287	6.42945	5.82945	5.8392	5.59986	6.0682	6.02588	6.56058	5.75373
RP11-389	1.74742	5.06203	6.78258	6.55391	4.26628	5.95178	3.0573	6.23507	7.05802	1.82992	3.80883	3.11416	4.86826	2.01506	6.33877	5.47426
RP11-389	3.9256	4.02672	4.16313	3.45327	4.73152	2.95599	5.68623	3.81494	4.92985	3.85542	3.53424	5.41972	5.75502	5.72006	3.47504	3.75027
RP11-389	1.0625	2.29438	5.02484	5.27329	5.4497	3.09851	5.17316	4.42433	4.76618	5.20259	5.02998	4.25098	4.53653	1.27177	5.51623	5.91276
RP11-38C	4.1934	4.48472	4.87525	3.8281	5.5274	4.14087	4.27634	4.11111	4.43347	4.13002	4.75435	4.73947	5.20492	4.51886	4.73809	5.03767
RP11-38C	5.4792	5.81725	5.00294	6.1019	4.35974	3.35168	3.00912	4.34289	3.65431	5.6242	5.25417	3.88029	3.53101	5.10272	3.5512	4.63943
RP11-38L	5.31338	5.88552	6.16152	6.80893	5.79396	6.24355	5.44563	6.02598	5.73556	6.03361	5.69803	5.8676	6.14906	6.29815	5.31252	4.80755
RP11-38F	8.67057	7.13546	7.65268	7.85291	7.92379	7.27909	8.2345	6.40406	8.78995	7.59864	8.36563	7.30071	6.99057	4.65312	6.38635	5.2845
RP11-391	7.29718	7.26814	6.56664	7.42706	7.13233	7.88472	8.86712	8.02346	6.26532	7.62564	7.06876	5.83418	6.96952	8.09997	7.35613	6.92346
RP11-394	5.55753	6.58914	6.19313	5.29627	6.32283	6.52891	6.15474	6.57417	5.96332	5.87501	5.73862	4.99212	5.37108	6.58754	6.15674	6.24052
RP11-395	8.80081	7.5753	8.89342	8.37975	6.85206	8.43314	8.81879	7.39238	8.14618	8.22781	7.30433	7.73582	6.01309	8.22001	8.27535	7.03131
RP11-395	6.69314	5.7079	7.0935	6.10744	6.89528	6.35116	6.73122	6.67496	6.35595	6.90821	4.3732	6.19642	6.03661	6.48478	6.52136	5.59355

RP11-395	3.72099	1.16965	1.41969	2.1445	1.69898	1.36658	3.00912	1.44837	3.22752	1.63837	2.21379	0.90097	2.75699	2.44811	2.11842	2.28681
RP11-396	2.98506	3.47417	3.91647	3.04143	3.55491	3.77609	2.73211	3.73495	3.69577	2.42411	3.27847	3.68084	3.21485	3.7466	3.47504	3.85966
RP11-397	4.85229	5.98895	4.07133	4.49557	4.37137	4.45264	4.28532	5.06322	4.88674	4.46314	4.0196	4.2698	4.69821	4.54346	5.83438	5.06122
RP11-399	3.70138	6.07029	5.56456	4.64889	3.78235	4.66192	5.74444	6.38441	3.87677	3.78199	4.9112	3.55262	4.36086	3.33112	3.41773	6.0736
RP11-399	3.5501	3.9717	4.01284	3.74939	4.28189	5.26854	3.23578	4.46162	3.74437	3.60777	4.25636	4.48862	3.80685	6.31164	6.55759	6.06561
RP11-39I	2.13523	3.12278	3.45525	3.8462	3.42572	3.52398	2.63794	4.22833	3.5404	3.57327	2.58746	3.16915	3.28382	3.05474	3.10868	3.7755
RP11-3L8	4.14888	4.33402	4.65435	4.07722	3.60374	4.55142	3.97251	2.81438	4.92985	3.65408	3.71153	4.14691	4.52811	4.1611	4.10961	4.81177
RP11-400	4.23422	5.44046	3.38079	3.27048	4.00401	3.46064	5.2563	2.78286	3.78033	5.02266	3.72995	3.62346	3.90551	3.64454	4.81782	2.36473
RP11-400	4.40791	5.27758	4.99891	4.19106	2.79083	5.00608	3.12496	3.56906	4.17624	4.7154	3.08532	3.97679	5.19042	4.54346	3.68625	4.2961
RP11-401	5.62708	4.89718	5.68265	5.02826	6.1833	5.18115	4.94479	5.43004	4.47552	5.74642	5.12109	5.53516	4.76655	6.22003	6.9731	5.62183
RP11-402	2.70064	2.59102	2.56774	3.36292	2.36593	3.15165	2.63794	3.8281	2.47145	3.37812	2.93839	3.49365	2.42653	3.50494	2.63378	2.94176
RP11-402	2.02052	2.46272	2.69851	3.05116	2.53824	2.09743	2.00958	2.15563	3.1586	2.62149	3.52918	2.76215	2.74555	2.76301	2.81587	3.21303
RP11-403	3.09851	4.27565	5.13395	4.21125	4.05118	5.02813	3.57168	5.58831	2.64558	3.41751	4.81003	4.47148	4.44582	4.42968	3.50176	3.92452
RP11-403	4.29421	4.26036	4.60832	4.69677	3.83175	4.96429	3.71929	2.67421	4.3624	3.47656	3.49378	3.86376	3.72312	4.08394	2.9127	3.61186
RP11-403	9.68026	9.23319	9.92959	9.22273	8.65949	9.36362	9.7568	10.0193	9.36543	9.44929	8.71164	9.34547	8.88814	9.17096	9.12492	9.08188
RP11-408	2.61145	4.78923	2.98152	2.77414	3.48434	3.65332	2.98815	5.07511	5.59723	3.46275	3.38676	4.6265	5.64923	5.21946	2.65173	4.87251
RP11-410	5.34559	5.76458	5.34576	5.54883	5.52419	6.19367	4.61995	3.29115	6.089	6.39985	5.22179	3.08704	4.80326	5.60866	5.05678	5.44287
RP11-410	2.13523	2.39163	4.34691	2.58828	2.02496	2.45459	1.98828	3.99573	2.13825	3.11051	2.21379	4.37803	2.90755	2.37224	2.86345	2.38828
RP11-410	3.47335	1.9808	2.89422	3.66594	3.93705	3.91828	5.16332	2.43067	3.63964	1.63837	4.49355	4.49971	4.6132	4.71408	3.21508	4.40686
RP11-410	7.89596	7.96786	7.59977	8.41069	6.99403	7.77456	7.67654	8.11404	7.38979	7.89638	6.95677	7.98209	8.02036	6.8334	7.15633	7.80571
RP11-413	2.21029	2.56774	2.77497	2.45536	2.94105	2.24655	2.63794	2.46648	2.83517	3.05259	4.49934	4.37803	3.65598	3.12884	2.36623	2.9809
RP11-414	3.06503	2.18884	2.85145	1.63196	1.80599	2.27957	4.93154	3.43351	4.06039	2.69205	3.47644	2.69934	3.36189	3.18151	2.50999	2.45954
RP11-416	4.35066	2.95972	4.96058	5.5845	5.00713	4.53233	5.62801	3.8281	3.81646	6.09515	5.56646	5.75568	2.73615	4.75121	4.59094	3.28662
RP11-416	5.70016	5.62022	6.24099	6.31515	5.15954	6.60829	5.47072	6.38441	6.51558	5.03724	4.89326	6.12493	5.58872	4.79512	6.06196	5.70974
RP11-420	5.70671	6.1916	6.44309	6.44417	5.41899	5.84203	5.42167	4.24814	5.86679	5.85864	4.78714	5.87016	3.42036	6.91562	5.73281	3.99805
RP11-421	2.37329	3.06378	1.44831	3.44117	2.1445	2.24655	2.56625	3.0093	2.67969	2.23712	4.41154	4.90119	1.53958	1.36152	4.00819	3.31912
RP11-421	5.71324	5.87972	5.24327	5.7533	5.53895	5.82175	4.9822	5.65251	3.63964	6.06884	5.0759	5.45844	5.75136	5.82837	5.03455	5.6902
RP11-422	6.77466	6.57865	6.60156	6.59688	6.43883	6.59268	6.36841	6.66328	6.37487	5.88112	6.10217	6.50293	6.8535	6.91562	6.27917	6.45994
RP11-425	5.62059	6.34769	5.88708	5.19961	5.17658	4.95972	5.52799	5.90165	5.58578	6.36329	5.60733	6.09052	6.2141	5.879	5.33678	5.7127
RP11-426	7.58615	6.47704	7.45587	6.67884	6.25144	6.84397	4.96187	6.19989	6.59614	7.00204	6.57888	6.69068	6.05663	4.37922	4.2981	4.57163
RP11-429	4.17798	4.61934	4.43096	4.69677	4.96323	4.44183	4.88202	4.78725	4.70432	4.15112	5.40426	5.60212	4.14977	4.8002	4.57172	4.92092
RP11-432	3.97	3.89112	3.45525	2.92162	4.38405	4.08037	3.08298	3.90071	4.04754	4.24348	4.84579	3.29115	4.14977	4.2359	3.58891	3.04866
RP11-432	7.9568	8.01148	7.95615	8.09229	7.65092	7.81222	7.99228	8.27937	7.93806	7.87079	7.54204	8.22973	8.01606	7.96217	7.85698	7.76876
RP11-433	6.54427	5.75101	5.47346	5.43831	5.65461	6.56497	6.18726	7.35613	5.72358	5.75038	5.21117	6.70005	6.4281	6.06328	6.97563	6.61659
RP11-435	3.0835	2.53824	2.70549	2.40724	2.2597	2.51251	2.45415	2.23712	4.06039	2.38782	2.27492	3.76552	2.2085	2.65463	2.82464	2.49784

RP11-436	7.92317	7.69546	8.07861	7.58288	7.20013	7.69258	7.87727	8.0666	7.51577	7.89413	7.39559	7.75388	7.71385	7.75362	7.7158	7.83033
RP11-439	2.85784	2.51658	3.0093	2.83422	3.09072	5.31891	3.14316	2.75656	2.76258	3.07203	3.08532	2.83233	4.99664	2.91144	3.04901	3.26138
RP11-440	5.52006	5.36162	4.94061	5.15376	4.59036	5.448	5.66827	5.01102	6.38087	5.8969	5.3232	5.93442	4.11891	5.63684	5.57862	4.58158
RP11-440	6.67366	6.00448	6.18038	6.43834	5.46159	5.90007	6.46946	6.41151	6.33819	7.10564	6.6659	6.65691	6.53612	6.36312	6.2574	6.44984
RP11-442	5.26934	5.40574	6.18888	4.7949	5.81537	6.48699	4.12999	4.07245	4.06039	4.48984	4.3863	6.16473	6.91957	4.17756	5.5192	5.57083
RP11-443	4.44343	4.38727	4.47125	4.13078	4.8484	4.36974	3.24598	4.05336	4.37434	6.10303	5.43626	4.03485	4.55761	3.60777	4.43347	4.18064
RP11-443	6.28284	6.45625	6.42187	5.84369	4.01012	5.18553	6.68534	6.78063	5.74686	5.09778	6.44292	4.31399	5.98027	5.50069	6.09264	4.78056
RP11-445	4.26669	4.29087	5.35407	3.28542	4.44183	5.65526	4.78492	4.10002	3.74437	4.83738	4.41154	3.32466	2.39587	4.65943	3.64338	4.00732
RP11-445	4.14888	3.35252	5.1255	3.44117	2.68714	5.63647	3.818	4.82189	5.30524	5.02776	3.8679	5.54537	3.00618	5.02586	5.44505	6.09488
RP11-448	4.4613	4.94203	4.57356	4.48624	4.44582	4.01369	4.76965	5.27822	4.06784	4.34089	4.99867	4.93625	5.18445	4.8375	4.26025	4.91388
RP11-44F	5.9677	3.18041	3.87671	5.34279	3.22566	3.91828	3.82687	5.59748	3.97161	5.86096	3.37552	4.29394	5.98777	5.98945	4.00819	6.09746
RP11-44F	8.90205	8.12631	7.41841	8.96233	8.371	7.28019	7.81534	6.85848	8.33034	6.88467	6.29463	8.29124	9.31202	7.56369	9.5431	8.98978
RP11-44N	5.4792	5.77688	3.44341	4.88519	4.68584	5.88667	6.0882	5.50579	4.11778	4.96132	4.81003	4.92917	5.49578	5.42053	5.38203	3.20278
RP11-452	6.49934	6.17887	6.40779	6.57137	6.79512	6.82022	6.82071	5.5136	6.21237	6.69152	5.90319	6.70196	6.67853	6.38755	5.76009	6.27334
RP11-454	5.69349	4.46777	4.88397	2.25844	5.55298	3.04945	3.93793	5.3264	5.23193	3.85542	1.63512	5.5785	3.07124	4.75121	3.5512	3.83921
RP11-454	5.09335	4.67009	5.74089	4.6281	4.27362	4.56285	5.81209	4.86698	4.4546	5.7037	5.58265	5.26764	3.84364	5.29621	4.66033	5.5629
RP11-456	2.50129	2.77081	3.0591	2.28551	2.83544	3.09851	2.81469	2.10233	2.64558	2.85867	2.45719	2.63249	2.90755	3.14828	1.1668	2.63794
RP11-456	5.19111	5.0875	6.06161	5.94989	4.57949	5.47271	5.95178	5.796	4.76965	5.30672	5.64345	4.78521	5.58299	5.07813	4.981	5.51836
RP11-456	0.11027	1.27177	1.4899	2.25844	1.42806	2.07394	2.15094	1.44837	4.28137	0.65546	1.59488	1.63685	1.63986	1.36152	2.39175	2.04035
RP11-457	3.11441	3.78714	5.78238	4.9083	3.12473	2.79576	3.31153	3.67908	4.42376	3.85542	4.15843	3.55262	5.39824	3.10839	3.44194	3.52431
RP11-457	3.59987	5.04076	4.73407	1.77186	3.48434	3.01096	3.94849	3.02948	2.67969	1.78758	3.82899	4.55254	2.46016	3.36587	2.67357	2.26153
RP11-45N	5.28282	4.2388	3.66581	4.29377	3.73118	5.55912	5.47555	5.90655	6.76925	3.85542	5.19754	6.36735	5.44143	6.24247	6.22482	4.2654
RP11-45N	6.37347	5.88552	6.43167	6.69103	6.4479	5.87738	6.5815	6.8336	6.69578	6.46055	6.30433	6.14575	6.87583	6.84772	6.37303	7.00351
RP11-461	5.55384	5.98051	6.12808	5.02046	6.32149	6.09415	6.56778	6.1296	6.62111	6.44859	6.20745	6.69244	6.20065	6.08974	6.18181	6.25003
RP11-461	6.81388	6.99083	6.42401	6.5782	6.46001	6.78574	6.59245	7.02338	6.73719	6.37311	5.87662	6.13377	6.11072	7.21344	6.09786	6.89528
RP11-464	6.59933	6.23354	6.85738	6.28284	6.04132	3.97251	4.49757	6.39024	6.01991	6.19774	5.52251	5.38936	6.42124	3.92481	4.99814	5.94145
RP11-465	4.89016	3.50584	2.66774	2.88071	2.10233	2.15563	3.70182	2.98628	2.31622	3.50939	2.04035	2.79123	3.64142	3.71992	2.21248	3.1481
RP11-465	2.93125	4.67521	4.47125	4.31831	4.67141	4.58019	5.17316	4.80693	5.42436	4.67521	5.30804	5.50032	4.89893	4.91054	5.50296	3.4643
RP11-466	4.31556	4.00768	5.21626	4.72819	4.4489	5.35512	5.18039	4.08791	3.50839	3.46275	2.50161	4.48862	4.34627	4.35255	4.36887	4.92331
RP11-466	5.29633	5.23021	5.53637	4.77152	5.0859	5.65675	5.93821	5.0069	4.37155	5.57813	4.2981	5.52006	5.22179	4.92903	5.25407	5.65707
RP11-467	6.07584	7.02957	6.61041	4.52648	6.53064	7.2133	5.07033	6.29451	6.58522	6.6317	5.88448	6.3109	7.11209	5.81659	4.50446	6.08232
RP11-468	6.86696	6.43728	7.26466	6.83636	7.83639	6.46414	7.0964	7.43579	7.08284	6.06884	7.28713	7.35274	6.23514	7.00363	7.31217	7.35004
RP11-469	6.28624	7.3161	7.26302	6.86253	7.57258	7.71156	7.90591	7.15615	6.93931	7.39051	8.03444	6.10454	6.132	7.35865	6.90468	6.98687
RP11-470	5.16345	4.14078	2.11428	2.93958	5.12472	3.44117	3.2194	3.66599	2.70734	3.00855	3.51391	4.18954	4.4044	5.70403	3.25706	4.64753
RP11-471	5.65385	3.64857	5.93352	5.07547	5.3979	4.94357	5.62032	4.63743	5.71676	6.01933	5.11801	5.73292	5.83098	5.86194	5.65893	5.06122

RP11-471	4.66752	3.61956	5.79697	3.10053	3.68084	4.19473	5.55964	5.75589	5.69444	5.39491	3.06624	5.16821	5.21576	3.54384	3.01721	4.65488
RP11-471	4.94543	3.75879	1.19537	2.72117	5.00222	2.11228	4.74782	3.96044	4.76618	3.41751	4.47417	4.77927	4.70836	5.41787	5.60696	4.91222
RP11-472	6.25222	6.62363	6.07859	5.89763	6.25003	6.42868	5.87276	6.75648	6.26239	6.65583	5.79032	5.63055	5.59525	6.75107	6.34665	7.05471
RP11-473	6.25329	6.77618	6.26989	6.323	6.65525	6.35285	5.89295	6.66684	6.49041	6.47083	6.47754	5.41777	6.37868	5.29544	6.03515	6.00149
RP11-474	3.04535	2.46272	2.8391	4.52648	4.71898	5.52799	5.60339	2.8638	4.40538	3.36001	5.04361	4.42829	2.92938	4.55761	5.38203	5.41917
RP11-474	5.97772	5.85624	6.18719	5.34279	6.49681	5.67691	5.10831	6.00675	5.07244	6.04194	2.79035	3.80634	5.66277	5.69164	3.9328	6.05702
RP11-475	1.50761	3.86925	2.53621	3.24321	1.84689	1.85868	2.3531	1.44837	1.45473	2.57765	1.51119	2.63249	0.93298	3.27909	1.6611	2.84751
RP11-476	4.75238	4.0953	3.42172	3.24321	0.6733	3.32048	3.52327	4.65546	4.07916	4.53581	4.69149	2.8813	3.91647	3.66246	1.44837	4.41688
RP11-477	2.88015	2.13825	3.38079	4.44124	3.85505	4.10435	5.31453	2.46648	3.27349	3.07203	2.3203	3.00642	4.006	3.87671	3.9328	2.90822
RP11-480	6.77466	7.51504	6.97236	7.06144	7.09448	7.28583	7.47714	6.55951	7.07599	6.78049	6.67015	6.27203	6.18038	6.04515	6.70448	6.90931
RP11-480	2.94778	3.06378	2.63513	3.91668	5.30926	4.87162	5.34628	4.77096	5.0773	4.20362	4.03549	4.81824	4.33163	3.0362	4.12102	4.77196
RP11-480	6.90478	6.81125	7.1782	6.8906	6.82532	6.91402	6.80263	7.12328	6.8113	7.1399	6.26114	7.15406	6.70155	6.96211	6.78548	7.27587
RP11-483	0.34005	1.62441	1.44831	2.03633	2.1445	1.85868	1.122	2.04007	1.39887	3.8925	0.99002	3.91935	1.53958	2.70047	1.6611	1.58847
RP11-483	7.16305	7.37359	6.04515	6.36695	6.52531	6.14856	6.89356	7.30165	6.986	6.07836	6.55717	6.44523	6.47791	6.30203	6.57151	6.31802
RP11-486	6.89636	6.8404	3.31271	6.98991	5.26818	5.21084	4.12999	4.78229	5.08822	5.37429	4.82299	5.21609	4.57269	2.91144	4.73809	4.2654
RP11-486	4.33825	4.6209	4.99833	4.80703	6.02445	5.70734	5.12521	4.63552	4.06716	5.70986	4.52793	5.92308	4.2445	4.79376	5.87547	4.20397
RP11-488	8.28836	8.13873	8.25743	8.36324	9.02178	8.86269	8.51364	8.45079	8.69613	7.49816	8.99964	7.51319	8.53406	7.72936	9.18833	8.87708
RP11-489	7.08593	5.59162	4.76067	5.97406	4.41154	4.81338	5.80066	4.9277	4.91924	4.62788	5.03322	6.1826	5.99039	3.31714	4.57757	4.88224
RP11-489	3.11441	2.65522	2.17949	0.47227	3.36671	2.65434	1.18021	1.04435	2.39727	4.04734	2.88166	3.21231	2.90755	1.59381	3.74409	0.61335
RP11-48E	4.97697	3.90521	5.83341	4.82178	6.67992	5.93172	6.13169	5.96298	5.23893	6.55038	4.76672	4.99212	6.75189	5.94499	6.69975	7.10285
RP11-490	4.16955	3.38769	5.24515	5.86933	4.65407	3.18781	3.23578	5.95794	3.80565	4.94262	4.49355	5.08443	2.94778	5.41787	5.41113	4.78056
RP11-493	6.25948	5.91749	6.17527	6.11008	6.1475	6.32028	5.6487	6.78063	6.71451	6.34698	5.58425	6.85014	5.71246	6.8053	6.5839	6.14382
RP11-495	3.98673	4.44401	3.27793	2.65796	5.19885	4.17372	1.49083	5.01102	2.58986	3.39891	2.79035	4.55254	1.59204	2.18939	2.21248	2.69842
RP11-495	2.83473	2.77081	3.48538	2.72117	2.73769	3.30682	3.08298	2.37778	3.09248	3.13394	3.74792	3.21231	2.88174	2.74868	3.01721	2.94176
RP11-495	5.92774	6.1983	6.66611	6.69103	6.30709	4.99785	5.1034	6.27958	6.49966	7.30333	6.58481	7.16916	7.16353	6.85121	6.65877	6.54712
RP11-495	1.70087	4.79439	3.22117	3.02476	4.18809	3.99858	3.49217	2.10233	1.39887	4.93851	2.93839	2.44179	2.98256	2.37224	5.10259	2.31622
RP11-496	5.26165	4.88716	5.10007	5.5717	5.51788	5.90377	5.86149	5.22018	5.23893	5.51925	5.26854	5.36761	6.13485	4.63315	4.91938	6.1809
RP11-498	4.07798	3.87968	4.20319	4.03533	4.9891	4.39426	6.38514	4.75793	4.43654	5.52109	5.28385	4.28409	3.70908	5.12855	4.56438	5.19321
RP11-498	6.13578	5.87972	5.33894	5.52994	5.96388	4.85358	6.11701	6.11327	5.70661	5.24505	5.94573	6.08422	5.54936	5.39607	5.76009	6.22158
RP11-498	1.50761	2.23621	2.3147	4.1095	3.26091	1.32117	2.81469	2.52957	2.07939	2.57765	3.27847	2.66471	2.39587	1.5436	2.76084	2.65953
RP11-499	6.42136	6.04791	6.42694	6.46685	6.20644	6.73741	6.1223	6.35819	6.38787	5.94115	6.53759	6.14157	6.04156	6.36077	6.19114	6.28732
RP11-49K	5.46994	5.53282	4.34691	5.02046	4.31963	2.93381	3.71929	4.96893	5.24814	4.5431	4.81003	2.79123	2.83935	3.62944	2.93032	4.85101
RP11-4M	3.52524	6.40851	5.38139	5.4066	6.05522	5.14737	5.54023	6.13354	5.89088	6.02266	5.28977	6.49097	6.32149	5.85906	5.91104	6.39033
RP11-502	2.65839	3.42761	2.23187	3.35104	3.16569	3.49365	5.20807	5.1459	3.90229	3.20323	2.93839	3.21231	2.10686	3.64454	4.83434	2.73131
RP11-503	5.44608	3.82382	4.36849	5.5987	5.20742	6.56837	5.81553	5.90655	6.09683	5.50605	4.90058	5.16402	6.13739	5.17042	5.30388	4.16516

RP11-504	3.93705	3.85394	2.17949	1.33008	5.1722	4.78796	6.36841	2.21132	3.82945	3.00855	4.01138	2.95936	4.50434	5.78361	4.95023	5.03019
RP11-505	5.43457	3.71942	4.47847	5.517	4.60294	5.0543	4.98886	4.8294	4.57006	5.29139	4.60207	5.23859	5.15157	4.9403	5.36321	4.89742
RP11-506	5.30688	1.54402	3.5252	2.36312	4.77676	1.81697	4.94479	2.04007	2.43603	3.65408	2.64984	4.96683	3.44604	1.88842	2.94685	2.16972
RP11-506	1.92303	2.46272	2.53621	2.31308	2.79083	2.76484	4.31322	3.66599	4.17624	2.38782	2.63321	1.54854	2.00801	2.51368	3.4529	2.36473
RP11-506	5.5016	3.66604	3.31271	3.64199	4.95382	5.52799	5.97965	1.79233	4.81378	3.63896	4.2954	5.09218	4.9034	3.01384	4.49463	5.43914
RP11-508	2.88015	3.19069	2.61382	2.75974	2.94105	2.93381	2.63794	2.55884	2.61941	2.75002	2.83774	3.483	2.94778	3.23061	2.70965	2.96003
RP11-50E	5.53171	4.94092	6.08478	5.49184	3.33875	5.67691	3.92606	4.69169	4.62638	4.06894	3.73917	5.49238	5.4553	4.62104	4.31059	4.91623
RP11-50E	7.44394	7.67654	6.80099	7.22267	6.60593	7.07187	6.65798	7.19766	7.04821	7.2883	6.3978	6.64108	7.29036	6.74395	6.6596	7.22098
RP11-510	5.49464	5.12855	5.92659	3.5907	5.15416	4.56925	5.48605	6.36281	5.63875	5.61082	5.20807	5.29032	5.52441	5.77688	5.67641	5.64598
RP11-510	3.25147	4.65943	5.26091	4.28639	5.02465	4.10435	2.58845	3.3596	3.90229	4.35645	1.59488	3.53998	1.35312	2.59761	6.00366	4.25809
RP11-513	5.60332	4.14691	3.65613	6.47821	5.79396	5.38924	6.60527	4.83606	5.30524	4.36468	2.98436	3.90172	4.87351	5.83775	4.50446	2.79166
RP11-513	5.11171	5.15466	5.40583	4.69677	5.20269	5.21937	4.67019	3.93793	5.31934	3.66644	5.92694	6.39033	5.75136	6.26387	5.28471	5.16989
RP11-515	3.23662	5.47836	5.37462	5.73265	6.03933	5.0631	6.0054	5.79356	3.63964	6.3829	4.93717	6.21978	6.14046	3.29459	5.18903	3.50454
RP11-517	7.5049	7.32389	7.02326	7.28867	7.81516	7.52841	8.22001	7.45674	7.02408	7.32935	7.25968	6.9617	7.04207	7.72426	8.09376	6.96808
RP11-517	6.54427	6.27509	6.33645	5.992	6.67044	7.03971	6.10352	6.84849	6.089	6.39685	6.24943	5.49238	7.11209	5.98436	5.87687	6.20798
RP11-521	6.66438	5.97859	4.6804	7.29311	6.41319	6.8411	6.68966	6.77836	6.56778	6.28468	6.62734	6.72703	6.94742	6.25615	6.51815	6.40196
RP11-521	3.14636	3.45279	4.54463	4.36112	2.94105	3.5373	5.4508	3.73495	3.46459	3.44491	3.72069	4.29394	3.32016	3.24563	3.56833	3.53602
RP11-521	6.30873	6.4987	6.09264	4.34058	6.38814	6.44967	6.75374	6.99057	6.48293	6.19425	5.47559	5.77111	6.95202	6.53272	5.7354	6.34019
RP11-524	5.96035	5.34065	5.34947	5.11677	5.59136	4.82763	4.29522	5.60468	3.45216	4.78962	4.64412	5.24488	5.38375	5.15309	5.20755	1.92725
RP11-524	5.03573	5.0136	5.3782	3.77125	6.03236	3.27349	4.86471	5.12208	5.96744	5.1154	5.49848	4.16089	5.18263	5.46695	5.69433	5.4554
RP11-52A	1.92303	2.79266	2.68367	0.90097	1.26539	1.4697	1.43866	2.21132	0.80062	0.85718	3.77904	1.07852	2.49591	1.36152	1.22113	1.15718
RP11-532	9.09718	8.96044	8.25013	8.73084	7.73311	8.72779	8.17543	8.12539	8.92921	9.54173	7.14246	8.51568	8.65782	8.43357	8.17707	8.50784
RP11-533	5.4983	3.19069	5.1385	5.34551	6.28514	5.43316	4.73125	6.07103	5.4207	3.63896	5.50142	5.88627	4.57269	3.6977	5.18256	6.15937
RP11-533	5.7268	4.95106	5.28056	5.21413	5.11379	6.087	4.94776	4.94282	4.45332	5.00736	5.33833	4.57076	5.82281	5.40426	4.67471	5.956
RP11-534	5.84574	5.40574	5.99607	6.46185	5.45343	5.43669	7.27309	6.02244	5.8109	5.75475	5.78351	5.46793	6.04383	6.56239	5.96315	5.98732
RP11-536	6.33063	5.45365	5.36067	6.30863	4.99704	6.0054	5.1853	3.56906	4.14509	3.31009	5.99489	6.34758	5.54416	5.48108	5.44017	5.58353
RP11-539	6.86908	5.21546	5.83775	5.41994	5.96135	5.16063	5.22236	4.65546	5.93916	6.47015	5.79976	5.55526	5.98027	6.04132	5.62247	5.70646
RP11-539	8.20307	7.52337	7.17486	7.77814	7.32345	7.80711	7.99727	6.31886	6.93258	8.06823	5.52385	6.76788	6.34875	8.67903	7.99341	6.47984
RP11-539	6.99664	6.23354	6.45541	7.26724	5.62483	6.17775	5.95116	6.25598	5.41128	5.73126	6.19879	6.19825	5.62746	5.51092	6.13885	5.37386
RP11-53A	4.11983	5.63823	5.06834	5.16352	4.33348	4.08037	5.28371	5.55993	4.95856	5.34336	5.06187	2.81338	5.21117	4.22367	4.84979	3.82034
RP11-53E	4.69843	3.42761	3.391	3.61465	3.48434	3.72561	3.83857	3.65408	2.53538	3.50939	2.50161	3.80634	3.84364	3.86642	3.51602	3.70541
RP11-53C	7.46816	6.6798	7.55068	7.92769	8.02774	7.99046	8.68206	8.11615	7.19454	8.03245	6.97441	7.02785	7.20191	7.399	8.39725	7.327
RP11-540	6.68013	5.88757	6.53163	5.49184	5.73609	5.54883	5.87081	6.05079	6.79769	5.46729	5.83329	5.47072	5.79273	6.82928	5.06869	6.7472
RP11-543	4.05217	3.86261	3.64717	4.25955	4.79743	3.5373	5.85187	3.60236	5.02776	3.57327	6.0322	4.14691	4.61995	3.44975	4.3828	3.6454
RP11-544	5.53171	5.99424	6.16152	5.28175	5.94244	4.0956	4.89975	5.34947	5.17602	5.5803	5.46048	6.41137	6.10432	5.73039	5.51275	5.62406

RP11-546	1.64611	1.8084	3.12132	1.3754	2.94105	2.65434	1.95222	2.95859	1.76451	2.91059	2.34474	3.45239	1.82475	2.41572	3.23099	2.88582
RP11-548	5.0773	4.74319	5.64095	5.13767	5.43993	5.16691	3.61825	3.41422	5.63045	5.83715	6.57801	4.18135	5.30542	6.07302	4.4703	5.81769
RP11-548	7.80021	6.83716	8.27937	7.10916	7.08411	7.53139	7.14716	8.12322	7.42332	7.52127	7.50897	7.60269	7.26733	7.05942	6.36799	7.88503
RP11-549	1.70087	4.14691	2.11428	4.89377	3.24511	3.30682	4.68519	3.84143	1.98342	3.78199	5.42382	4.66059	5.28614	4.21305	1.6611	1.45205
RP11-54K	8.84845	8.12699	8.65576	8.69245	7.58461	8.46765	8.45605	8.11678	8.20175	8.16548	7.78353	8.76971	8.4593	8.72446	7.81112	8.27473
RP11-550	3.82982	4.12453	4.15015	5.40179	2.94105	5.38506	3.16512	4.52735	5.20828	3.36001	3.3159	5.43241	3.71375	2.88516	3.77502	2.82844
RP11-552	2.27273	2.69344	1.97795	2.55745	2.39414	2.07394	2.70047	2.2672	2.22165	2.75002	2.04035	2.24796	2.94778	2.28524	1.94998	2.67577
RP11-552	4.8012	2.18884	1.23236	2.0998	3.80647	4.76146	5.78123	2.46648	0.80062	3.02948	1.67696	3.77334	0.93298	5.11666	3.77502	3.42878
RP11-554	4.74224	4.42197	5.12092	5.91346	3.16569	4.28649	6.2519	5.73085	3.71298	5.86436	4.80248	5.3962	3.67703	5.51937	4.88519	3.41778
RP11-554	7.00944	7.41204	6.85063	6.68773	6.81906	6.65283	7.27694	7.05041	6.57608	6.61106	6.65787	7.22364	7.97399	6.71149	6.18897	7.74542
RP11-559	7.22877	7.472	7.51193	7.31148	6.9667	7.01052	7.14209	7.93762	7.51042	7.43943	6.70511	7.64001	7.68033	7.08255	7.29975	7.41405
RP11-55K	3.61236	2.89801	2.8391	5.88704	2.29738	3.24275	4.49757	2.78286	2.47145	1.82992	2.91487	2.83233	3.14193	2.34474	3.41773	4.70463
RP11-560	5.42686	4.07403	4.04694	5.16743	3.60374	4.74589	4.24394	4.39881	5.02776	3.75611	5.79844	3.6339	4.10293	4.47605	5.37234	5.06428
RP11-560	3.09851	2.69344	4.52824	3.15929	4.4489	2.24655	3.42552	5.55155	5.31338	5.15888	3.54938	3.11416	5.69186	5.35478	4.8213	3.01871
RP11-567	5.53171	6.15404	6.1524	5.13767	6.47656	6.81839	6.09242	6.94256	5.9177	5.58409	5.06631	5.97084	5.81769	6.55263	6.41633	5.69955
RP11-567	2.72538	1.84587	2.63513	2.63639	1.42806	3.36385	2.96225	3.15288	1.53958	2.15841	1.98377	2.13113	2.52228	2.48051	3.00483	3.24808
RP11-568	5.81705	6.33896	6.52875	6.60677	6.96533	6.11708	6.46946	6.32848	6.9788	5.61368	4.69149	5.09784	7.66624	6.24639	7.02287	7.432
RP11-573	3.50034	3.86261	3.51672	2.65796	3.32431	5.15361	5.42167	5.48699	2.92006	4.70881	4.93717	3.10037	5.66559	4.72155	4.61047	3.63765
RP11-574	1.26457	2.10562	2.40841	2.03633	1.20215	1.59197	2.3531	1.96139	2.31622	1.82992	2.85145	1.69916	3.0877	2.25724	2.86345	2.31622
RP11-579	3.29685	4.86753	2.11428	4.19971	3.49824	1.73976	1.63196	3.21508	1.87545	1.00522	3.49378	3.57258	4.32095	1.78331	3.71862	2.04035
RP11-585	3.17857	4.10265	1.95191	3.02476	2.97095	2.39513	4.41106	3.88575	3.19069	3.34275	4.52313	3.483	3.23246	3.71992	3.10868	2.22886
RP11-586	4.28431	3.6843	4.46828	6.02751	5.07679	5.5118	4.12999	6.25805	3.48123	4.595	5.21894	3.31042	4.87351	4.92635	3.18863	5.73754
RP11-587	2.44059	2.04582	1.41969	2.31308	1.42806	1.00765	1.73976	1.99703	2.13825	3.29126	1.20713	2.07548	1.18021	1.64103	1.6611	1.45205
RP11-589	4.0196	4.18531	4.08953	4.0196	6.38204	3.99858	5.79486	4.49662	3.81646	4.0807	5.36141	3.10037	4.15694	4.00373	4.26797	4.68565
RP11-58C	5.51128	6.72579	6.38623	5.32765	6.12852	6.33487	4.73125	4.74882	6.12635	5.15052	5.26311	3.03309	4.24814	6.00568	5.31676	5.69219
RP11-59F	0.49324	-0.0172	0.11027	0.64437	0.20638	0.27064	0.48337	0.97208	1.26079	1.22431	0.41243	1.2545	0.57957	0.22408	0.80062	0.86912
RP11-5C2	6.47632	6.7678	7.21396	6.17486	6.1475	6.23343	5.34628	3.77845	5.92492	5.63956	3.43836	5.39962	3.75766	3.51712	6.13381	6.83211
RP11-5C2	1.79935	4.35031	3.807	3.17801	2.89774	5.049	4.01749	2.93245	3.19069	3.172	5.26083	2.36593	3.47767	4.2645	2.43868	3.16144
RP11-5N1	5.56126	4.81915	5.98938	5.54505	6.00658	6.07317	6.04874	5.97974	5.17602	6.17178	5.29638	3.79654	5.93424	4.44205	5.8491	5.88618
RP11-60A	3.4567	5.91306	5.01649	5.14982	5.04627	6.18222	5.03767	6.59245	5.00335	5.02266	5.98199	5.363	5.58168	5.7495	5.48965	6.65833
RP11-613	5.33339	5.91605	6.37318	6.33379	6.2212	6.43785	4.64035	5.17376	4.86753	6.58963	5.58568	4.44519	3.64142	5.81078	5.2998	6.62746
RP11-619	6.50001	6.89922	6.84709	6.49318	6.63886	6.79557	7.01865	7.1297	6.27012	6.55405	6.33835	6.37748	6.45819	7.1474	6.08635	6.5982
RP11-619	2.65839	3.93361	2.07548	3.45327	2.2597	5.16359	3.14316	2.52957	1.26079	2.93344	1.95222	4.50504	4.02061	5.02185	4.59688	3.91544
RP11-61L	6.08511	6.04321	6.2017	6.15228	7.00902	6.70923	7.07057	7.13969	6.57373	6.67304	6.14965	6.04339	7.25098	7.30682	6.77183	7.15069
RP11-61L	4.82631	3.27087	5.62027	6.03276	5.46569	5.33448	6.24136	3.65408	4.76618	4.75793	6.33679	2.73426	6.37128	6.46975	6.28743	5.32341

RP11-629	6.42465	5.31582	3.84282	6.90527	4.36498	5.70543	7.06915	6.06626	6.76152	3.7682	6.14261	7.05622	7.2774	6.20951	6.46414	6.6686
RP11-629	3.47335	3.71031	3.23213	3.50564	3.36671	3.96435	3.35187	3.77845	4.21488	3.60777	3.43836	4.03129	3.40212	3.9712	2.86345	4.54565
RP11-631	3.14636	4.48472	2.65267	4.02962	4.01874	5.33448	5.35566	3.86842	2.79078	5.54577	5.17761	4.45556	3.94666	2.79431	3.9328	6.06314
RP11-634	5.00441	3.60842	3.12132	2.69863	3.80647	2.88086	2.75954	3.29115	2.58986	3.29126	2.98436	3.31042	4.33795	2.99448	3.68625	2.4155
RP11-635	5.13682	2.53824	1.64561	2.38778	3.07162	2.99117	2.27576	2.2672	2.18568	2.07832	1.79233	2.24796	2.10686	2.97219	2.7465	3.32854
RP11-63A	3.72099	2.94714	2.96792	3.08274	1.93871	3.41719	3.8062	3.77845	3.35168	3.55696	2.75175	2.56799	2.34547	3.75913	3.47504	3.20278
RP11-63A	6.02417	6.34769	6.01459	5.36992	6.13735	5.90903	6.37591	5.9608	5.24814	6.28468	5.62708	6.12073	6.35231	5.57842	5.94111	6.28284
RP11-63I	5.5803	5.23593	4.60079	5.28175	5.56689	5.52508	5.85187	6.59422	5.6566	5.63576	6.10525	4.87924	5.76339	6.03045	5.28471	5.60896
RP11-63K	6.56058	7.05272	6.54875	6.2807	5.86129	6.59726	6.71054	5.65668	6.33073	6.34438	6.53152	6.64463	6.76807	6.98153	6.33213	6.78227
RP11-642	4.0831	5.04627	4.96769	5.96305	4.87061	5.16691	5.7874	5.55155	5.72358	4.57223	4.94996	4.83368	5.30133	3.75913	4.95023	5.54492
RP11-644	5.65893	5.74238	5.63098	5.8555	5.89757	5.03249	6.58002	5.92496	5.3788	4.96132	6.11906	6.7077	5.38375	6.47506	5.44017	5.40281
RP11-646	3.97679	4.52298	5.49251	4.9312	5.35918	5.10495	4.93968	4.85984	4.79613	5.20259	4.63208	5.51774	5.18263	4.00373	4.85535	5.74611
RP11-646	5.81705	3.13884	4.42144	3.96234	5.40426	4.94357	3.31153	5.87887	6.14347	4.30135	5.12779	5.57585	5.57129	3.62944	2.98901	4.65881
RP11-649	7.05162	6.71818	6.85143	6.8608	6.94842	6.6694	7.63825	6.82917	6.33819	6.50178	6.42298	6.41949	6.61504	6.90832	7.12958	6.96694
RP11-650	5.05722	5.59687	5.10852	4.31831	4.96323	4.7822	3.64382	5.8726	5.85541	3.66644	5.01433	4.90513	6.1129	2.99448	4.97591	5.18934
RP11-654	1.44194	1.01454	1.59211	1.444	1.20215	1.4697	1.63196	1.22235	1.00765	1.15042	1.44615	1.31925	2.39587	1.4403	1.44837	1.58847
RP11-65I	3.22144	3.44137	3.30294	3.25646	3.57987	3.77609	3.10453	3.94809	3.71298	3.63896	3.46534	3.33905	3.89335	3.21424	3.60386	3.40822
RP11-65J	4.26669	5.74238	6.1219	6.53713	6.1475	6.03493	3.61825	4.35762	2.93758	3.99153	4.18485	4.66059	6.85248	6.25158	5.4872	6.33253
RP11-65L	6.51199	7.57459	6.77986	6.19518	6.94208	6.07505	6.93653	6.77648	6.47506	6.45815	7.47512	7.06244	6.77226	6.13065	6.43048	6.76772
RP11-661	1.79935	1.84587	1.3689	1.63196	1.00765	1.36658	1.68451	1.86949	1.45473	1.28097	1.32308	1.2545	1.22969	1.4403	1.08679	1.54854
RP11-663	6.74587	6.92136	6.68069	7.29944	6.52531	6.6694	6.56354	6.87678	6.72462	7.27783	6.85546	6.89365	7.17188	7.27491	6.48524	7.02957
RP11-664	3.25147	5.21138	4.24573	4.12191	5.67026	5.79169	2.63794	5.17376	4.10622	3.6977	3.63292	3.94634	4.91397	5.21946	4.57172	5.59355
RP11-665	2.58692	1.27177	0.11027	0.64437	1.11444	-0.0172	-1.4826	-0.3067	2.70734	0.47227	2.56627	1.97567	0.76448	0.01726	1.55502	0.9979
RP11-669	3.53756	6.455	4.52167	5.10054	4.19738	3.18781	5.52799	3.80483	5.00928	5.00386	3.20659	4.76177	5.00103	5.6617	3.56833	3.6935
RP11-669	6.18447	6.43979	6.9557	6.72063	5.79396	6.15139	6.11924	6.73545	5.64914	6.38805	6.63268	6.9108	7.1324	6.44906	7.04587	6.85134
RP11-669	3.77751	4.01765	6.11483	5.30542	5.26818	4.1494	3.94849	5.81871	3.98331	4.70305	3.77904	4.27983	4.11891	6.62814	5.81981	4.32644
RP11-66N	5.37195	6.76694	6.55414	5.64142	5.54991	6.42868	3.83857	3.58474	6.00991	5.98834	5.46222	4.64969	6.32595	5.85636	4.62482	5.85334
RP11-66N	3.41112	3.46411	3.50622	3.94629	2.61273	3.36385	3.49217	3.98218	3.22752	3.74711	3.06624	4.17474	4.35356	2.34474	3.52918	2.45954
RP11-672	7.10829	6.45334	6.40934	6.45625	6.38814	6.88815	6.09034	6.75429	5.86679	6.95273	6.07804	6.4954	7.32622	7.8321	6.30681	6.5885
RP11-673	5.16837	4.05078	4.09823	3.66594	4.20446	5.01102	4.4029	3.80483	4.04754	4.87894	4.75435	4.06571	3.25147	3.92481	4.77103	3.90548
RP11-674	1.26457	1.49036	1.41969	1.55195	1.42806	1.00765	0.48337	1.04435	0.89896	1.63837	2.04035	1.54854	1.29724	2.13594	1.70284	1.21992
RP11-676	3.56191	2.04582	3.02585	1.96731	2.21727	1.53719	1.32308	1.79233	1.53958	1.59139	1.95222	2.63249	1.01457	1.78331	2.16493	1.32709
RP11-676	4.63015	3.07762	3.89015	2.63639	3.55491	3.27349	2.58845	3.96044	3.04535	3.53934	3.74792	3.46371	3.32016	3.14828	2.7465	4.51771
RP11-677	5.40753	3.20291	5.20628	4.41415	3.26091	3.54848	3.42552	4.81522	3.71298	5.09778	4.3863	3.94634	5.54416	3.90216	4.06918	5.05502
RP11-678	6.68013	6.80448	6.42187	6.80893	6.47962	6.70155	6.88337	6.87168	6.50501	6.07145	6.99889	7.20281	7.34801	6.80893	6.92148	7.05285

RP11-67L	6.94323	6.62227	6.31876	6.45822	6.36951	6.82775	6.52664	7.13744	6.41963	6.79668	6.46097	6.66575	6.06337	6.6676	6.68524	6.80461
RP11-680	5.54416	5.81135	1.97795	4.73609	2.2597	2.34348	4.50617	5.34947	4.80597	3.15532	2.45719	4.27983	5.59525	4.9646	3.56833	3.67519
RP11-680	5.40753	5.30505	5.07215	4.51263	5.15416	5.14737	5.47996	4.68363	5.17602	5.25952	5.30337	5.6454	4.68584	5.09791	4.34713	4.73027
RP11-680	4.34203	2.56774	4.26508	3.56531	3.46884	4.0466	3.91631	3.31083	3.91489	4.63911	4.89773	4.06571	3.57524	3.8872	3.06557	3.71736
RP11-680	4.11079	4.93339	5.37462	5.6699	4.94529	5.10155	4.92155	2.95859	5.04912	4.3268	4.62733	5.90859	5.23232	5.05858	3.29289	5.60033
RP11-686	7.60767	6.93537	7.76824	6.9363	7.39678	7.23107	7.26724	6.9225	7.84464	7.30112	7.40067	7.86216	7.21742	6.6692	7.24572	7.5063
RP11-687	3.06503	2.23621	2.02586	1.89139	3.50802	5.33804	4.7616	4.27613	4.80597	4.46314	1.7041	2.509	2.34547	2.22838	3.67604	4.54176
RP11-68I	4.44009	4.68764	2.33881	2.55745	4.96323	3.83233	2.42155	5.09372	4.87944	2.93344	3.65202	4.63689	4.58588	3.9369	3.64338	4.94543
RP11-690	4.28431	3.32466	4.13154	3.54894	1.97947	3.91828	6.02125	2.8638	2.53538	2.38782	2.04035	2.91196	2.6465	2.44811	3.4529	2.76844
RP11-692	3.04535	3.06378	1.82328	2.43076	4.21924	3.33634	2.27576	5.39317	2.07939	0.93298	2.75175	5.5188	5.57293	2.48051	3.68625	5.83128
RP11-69I	5.06786	3.78714	4.81549	4.5915	4.58601	4.30395	4.21561	5.89776	5.17602	4.83052	4.40775	3.405	2.04398	4.31831	4.08763	5.24347
RP11-6F2	3.31017	1.49036	1.88755	4.67707	1.93871	3.52398	2.31492	3.39861	4.39183	3.60777	2.68367	4.30571	1.29724	3.14828	1.74155	2.4155
RP11-6I2	6.80828	6.5522	6.9671	6.66198	6.78936	6.67388	7.75239	8.19936	6.5377	6.36055	6.4977	6.33721	7.19745	6.99294	6.72063	6.41639
RP11-700	4.18954	5.62474	3.45063	4.16955	4.57172	4.56192	3.60965	4.69519	5.55517	4.80261	4.30494	3.85675	4.24336	4.32063	3.59234	2.97179
RP11-700	4.31556	6.5801	5.67655	5.84112	6.45523	5.88329	6.17104	4.90215	4.9433	5.83715	5.26854	5.3962	5.59895	6.18738	6.32382	6.67555
RP11-701	3.0835	2.34474	2.75954	3.6916	3.42572	2.53476	4.34799	3.79039	4.00589	2.83032	3.43836	2.79123	5.42528	3.75913	4.10961	2.90822
RP11-708	5.19782	3.18041	5.06834	5.69175	3.2065	5.47132	4.89377	5.1459	5.79184	4.97382	4.83644	3.88877	3.99596	3.60186	2.54889	4.83492
RP11-710	5.72456	2.41683	4.1682	5.77035	4.44183	5.67044	5.81987	2.49961	5.48503	6.24852	5.1842	5.52528	6.18996	5.7004	5.68755	5.48056
RP11-714	3.81865	5.40205	2.93758	4.19971	3.07162	5.45803	4.9822	4.88503	3.19069	3.26858	5.40826	5.9634	4.94479	3.6144	5.57414	3.47381
RP11-715	4.82307	4.6265	4.48842	4.74294	5.56236	4.5554	5.97036	4.45827	5.65363	4.51778	4.62298	4.9403	4.56723	6.71459	3.99805	5.1647
RP11-722	6.32278	6.48524	6.67968	6.40719	6.99283	6.55623	8.64803	6.87418	6.29094	7.43817	6.19879	6.13746	6.06561	7.99167	6.78435	6.89627
RP11-727	3.11441	2.51658	3.08807	3.13915	4.98786	4.87977	4.99931	2.58708	3.33041	4.29458	3.30436	2.79123	5.11909	2.72254	3.15051	4.98419
RP11-727	5.55057	5.9363	5.8116	3.88735	5.01701	5.79417	2.90726	3.94809	5.59264	4.70305	2.77081	5.73718	3.95924	5.69545	5.15918	5.48407
RP11-728	4.13997	3.04911	2.96792	4.25955	3.87693	2.88086	3.03237	3.97032	2.03262	3.86818	3.3159	3.60204	3.07124	4.9646	4.72967	3.1481
RP11-731	3.68775	4.39545	4.41697	4.67994	4.34574	5.04513	4.57125	4.99461	4.59407	4.26443	3.91319	4.49578	4.89629	4.42331	5.19838	4.74249
RP11-732	1.70087	2.59102	1.73976	4.74829	1.64332	1.81697	1.18021	1.44837	0.89896	1.69907	1.87674	0.46592	1.41985	2.93125	3.46534	1.70353
RP11-736	2.47437	3.25613	3.6244	2.98748	2.02496	2.51251	2.47678	2.52957	2.53538	2.88148	2.38828	3.52665	2.54194	2.31516	2.97605	2.79166
RP11-73K	4.5294	5.52122	5.64345	6.2399	5.65805	5.87779	5.05302	3.99122	5.17834	4.92884	5.23487	4.6779	5.80782	5.30604	6.40133	6.64633
RP11-73N	2.44059	2.91316	0.9957	2.00313	0.6733	0.81159	1.80024	0.88665	1.26079	2.15841	2.21379	1.87757	2.17097	1.88842	2.04035	2.57571
RP11-73N	9.05406	8.88814	9.04465	8.78359	8.08406	8.88693	8.73732	8.93549	8.72551	8.89896	8.84609	9.32624	8.34518	8.32958	8.2345	8.65576
RP11-740	5.08775	3.94952	5.56832	3.97084	5.32334	3.22527	5.63452	3.56906	3.04535	3.29126	5.41426	3.61408	4.25636	4.76631	4.61929	5.09761
RP11-742	0.62135	2.61396	2.35871	1.73098	4.09689	1.78116	4.6921	2.58708	2.31622	0.85718	2.07483	2.15748	2.59488	0.62135	4.21771	2.65953
RP11-744	4.75654	4.79626	4.91388	5.8546	6.01229	4.97462	5.75808	5.21683	4.48144	5.45924	5.23799	6.09815	5.95617	5.97293	6.00522	6.02713
RP11-747	7.32935	6.27066	6.50796	6.50119	6.52829	6.37325	6.9764	6.20644	5.05601	7.26448	5.18553	4.65119	6.46194	6.45207	6.30738	7.80726
RP11-748	5.64699	5.6286	5.57992	4.62434	4.05118	5.5118	5.66468	6.24793	6.10182	5.42236	4.132	6.11097	4.66581	6.03781	5.28471	5.86411

RP11-749	4.65553	5.88181	5.79205	5.46594	5.22539	5.80692	5.75525	5.62474	4.85113	4.11175	6.123	4.31399	3.61424	6.24994	5.71461	5.5865
RP11-753	2.47437	3.9717	4.81549	3.79536	3.83175	3.36385	3.99724	3.76379	3.88943	3.98113	4.89126	3.4402	5.02985	3.62944	3.62574	3.87671
RP11-753	6.55578	6.49089	6.66387	6.0218	6.24633	6.50293	6.88653	6.47261	6.08585	6.30501	6.31081	6.37487	6.39306	6.57417	6.35436	6.3354
RP11-753	3.41112	1.94258	2.75954	2.61385	2.18367	2.88086	5.01022	6.23123	2.88086	2.88148	3.25613	3.22488	4.36086	2.95261	2.82464	2.81134
RP11-757	5.91675	5.00871	5.71997	6.07137	5.42944	6.33105	6.15861	5.46829	5.57201	5.79014	5.13192	4.68339	4.98389	5.78435	4.27649	4.47382
RP11-75C	2.21029	1.44837	2.29132	1.73098	1.00765	1.63688	1.37571	0.64273	1.00765	2.42411	0.81405	2.79123	2.39587	0.47862	0.33356	1.15718
RP11-764	4.56185	-0.0172	4.30526	2.36312	3.07162	3.66504	3.60262	3.29115	3.15245	0.33356	1.98377	2.55562	0.248	1.72157	2.45708	0.55613
RP11-769	3.41112	4.50537	4.67099	5.71324	3.09072	4.00784	4.53887	4.61194	3.44034	5.48393	4.94543	4.28615	5.29674	5.79613	4.86178	5.6902
RP11-774	6.56531	6.2147	6.61126	5.69813	5.8832	5.28652	6.35231	5.66497	6.14545	5.92806	4.66481	5.91457	4.51181	5.41453	5.10876	4.81177
RP11-77F	5.45391	5.79256	4.69665	4.84205	5.18736	5.34654	5.27002	5.50657	5.22492	5.69841	5.66479	5.56699	5.14162	3.91052	5.83049	6.13436
RP11-783	6.03648	5.04076	5.71586	5.89763	5.85003	4.12592	5.04372	6.81937	5.36454	5.99921	6.06816	6.10863	6.10247	6.03045	4.08195	3.98264
RP11-787	5.36009	5.7079	3.37247	4.34751	3.53849	3.601	4.34027	4.24814	2.88086	4.74589	2.73426	4.18135	5.58559	3.82972	4.00819	5.22506
RP11-791	4.97697	5.23593	5.63471	4.88936	4.05118	4.76146	2.0296	5.50579	5.03513	6.66328	4.58758	5.19674	5.42528	6.01991	4.16718	4.64753
RP11-792	3.52524	3.57431	5.92492	6.00991	3.36671	4.21021	3.31153	4.16157	5.5025	5.55006	3.37552	5.91306	4.94162	3.57546	2.72952	3.53602
RP11-793	4.89016	5.95993	5.55482	6.37868	5.64806	4.96429	4.65674	6.23123	5.80518	5.68265	6.21237	6.58543	6.36517	5.34843	5.24005	6.41313
RP11-796	6.21089	6.64896	6.59293	6.58254	6.43248	7.06419	6.86307	6.42442	6.27451	5.72202	5.76939	7.48191	7.65751	7.10496	6.45915	6.15937
RP11-798	5.16837	5.04627	5.03262	5.00397	5.78435	5.1154	5.85187	4.89413	5.08232	4.81582	5.96549	5.96143	5.4553	5.67243	5.42382	5.25333
RP11-799	2.37329	4.65943	2.14348	2.63639	4.42161	3.08198	3.57168	1.73724	1.53958	1.35594	1.98377	2.07548	1.73296	1.36152	2.65173	2.16972
RP11-79F	4.91646	5.9074	5.61659	5.78951	6.16926	6.15904	4.87555	5.86031	3.5256	5.28694	6.19608	3.47261	5.77662	3.75913	5.59831	6.02513
RP11-79F	2.79297	2.36797	2.42383	2.06899	1.3442	1.73976	2.39011	2.58708	2.31622	2.63576	1.95222	2.46803	2.79294	2.44811	2.34348	2.73131
RP11-7F1	4.99067	4.93789	4.18506	1.50761	2.55772	2.91286	1.03884	2.55884	5.24814	2.50603	1.51119	1.73861	2.7137	4.1099	3.55805	4.85873
RP11-803	3.6565	2.65522	5.74089	1.16965	1.54197	2.42212	2.75954	2.17246	1.59296	2.31329	1.95222	3.19844	2.68899	1.92414	2.07498	2.16972
RP11-804	5.08159	5.51248	5.36371	4.95776	3.01001	4.52501	4.28532	5.60903	4.2082	3.65408	5.23928	5.8373	4.9034	5.65877	5.01318	4.47888
RP11-805	7.24855	7.85043	7.8954	7.15992	6.12195	7.12935	7.51416	7.72467	7.14373	7.75348	6.85607	7.383	7.82767	7.20458	7.25682	6.96963
RP11-806	4.94543	3.13884	4.49114	1.67907	4.29721	3.46064	3.91631	1.86949	2.18568	2.38782	3.111	2.17829	5.35451	2.82083	3.61778	3.04866
RP11-809	1.64611	-0.0172	1.3689	4.34751	3.46884	4.82763	4.32228	4.39128	3.63964	4.24348	4.45712	1.19537	4.88165	4.30792	3.93945	3.32854
RP11-819	6.41477	4.76965	6.60078	5.39423	5.49937	5.52122	6.13862	5.81525	5.8109	4.41983	5.00328	3.23711	4.64622	5.32976	5.07609	5.90706
RP11-82L	7.44109	7.22288	7.15001	7.6032	6.36329	7.16225	7.91198	7.8991	8.00205	7.64286	7.66602	8.27798	7.79571	7.43943	7.45515	7.98905
RP11-83N	5.91594	4.27723	6.16231	6.4377	6.16168	4.95395	5.42167	5.67812	5.33553	5.36443	5.83789	4.19447	5.61508	5.80245	5.70157	5.48228
RP11-843	5.66365	6.75126	6.879	7.01939	6.52531	6.35895	5.9041	7.53012	7.19982	7.16225	5.78593	7.86001	6.52193	6.45819	6.17972	6.82096
RP11-845	4.15633	5.16113	3.13257	5.3091	5.14982	4.30957	5.05601	2.13755	5.77139	4.36468	4.8528	3.49365	4.43617	6.03949	5.74014	4.24336
RP11-846	6.74102	4.91574	5.09621	5.58872	5.7529	5.45233	5.809	3.75859	6.10303	5.9069	5.60896	5.4553	5.63003	5.47218	6.08074	3.6993
RP11-846	7.09136	6.89281	6.83078	7.23612	6.92873	8.35838	7.72378	6.63658	6.92479	6.30355	6.49631	6.85982	8.09982	7.13411	7.03035	6.70141
RP11-847	2.72538	1.35876	2.46272	3.55701	3.30882	2.03544	2.58845	3.17146	2.43603	3.15532	2.50161	3.94634	3.16183	2.74868	2.82464	2.9809
RP11-84L	5.86446	6.30541	6.57163	4.88519	6.46703	5.33804	5.75525	7.36263	7.13233	6.8108	6.61308	7.52424	5.40842	6.32063	6.69731	5.99097

RP11-85A	4.41044	3.26549	4.71816	3.84172	4.50759	4.01411	4.57686	4.41015	4.1135	4.10722	4.54977	3.84116	5.1147	4.73847	4.12326	5.30158
RP11-862	6.96523	7.03987	6.90527	6.48329	6.14965	6.81113	5.76629	7.11159	6.08039	6.60293	6.7628	6.49934	6.59083	6.58294	7.02287	6.14843
RP11-873	4.80682	5.96974	6.28592	5.68112	5.69601	5.60571	6.93899	5.6453	5.54563	6.53433	5.94857	5.7106	4.57269	5.81078	5.92694	5.32922
RP11-874	3.33951	4.15069	3.64098	4.5915	3.0533	2.86136	3.53968	4.00856	4.48532	2.19868	2.88166	3.7042	4.09292	3.19708	3.50176	4.06288
RP11-876	5.46677	5.64126	4.44939	4.00732	4.74107	4.01812	4.54584	6.43689	3.97161	4.18447	5.90772	4.3216	5.64923	6.73122	6.17628	4.36849
RP11-884	4.36385	4.3125	4.73535	4.84921	4.62508	4.96284	5.26322	4.79002	4.19473	4.63436	5.0084	4.12996	4.93488	4.81157	4.96752	4.72303
RP11-893	3.78253	3.68869	4.44564	3.67756	4.04706	4.2226	3.93173	4.62117	4.25437	4.13895	4.14429	5.01414	4.49377	4.1555	3.42878	4.02106
RP11-90C	2.53024	2.1636	2.86268	2.58828	2.83544	2.74824	3.0573	2.75656	2.13825	2.72148	2.88166	2.73426	2.42653	2.48051	1.97136	2.81134
RP11-90F	5.89338	6.85882	6.43048	7.05101	6.01803	3.77609	6.21417	6.01489	6.23887	6.1833	6.40928	4.83368	3.57524	5.83559	2.39175	3.80861
RP11-91I	5.11682	5.72566	5.97254	4.56179	4.86049	5.87276	4.23557	6.3021	4.71298	5.68695	5.20401	5.32102	5.58872	5.66451	5.58438	6.23139
RP11-930	3.44273	4.02672	4.70118	3.8167	4.71358	4.35031	3.98737	3.80483	3.50839	3.8925	3.85459	3.16915	5.00579	4.1611	3.9328	3.86818
RP11-932	5.87159	5.87392	5.70234	4.51886	6.49089	6.1219	6.87036	6.89264	6.74695	4.94262	6.66911	6.50683	7.19916	6.04321	6.06196	6.63908
RP11-932	6.27461	5.90076	6.04194	6.34698	5.71126	5.81617	5.96182	6.21452	6.13111	6.43304	6.18599	5.89719	6.2141	6.34106	5.41994	6.0061
RP11-945	6.00566	5.48547	6.34341	5.61264	5.46159	5.5118	5.74444	6.05079	5.60919	6.04194	5.43775	5.40205	6.18419	6.79872	5.41994	5.84965
RP11-953	6.24848	5.70016	6.13206	5.80097	5.95171	6.17775	5.27542	5.14009	6.37272	5.93876	5.91823	6.17585	6.23514	6.01669	5.47619	5.86926
RP11-95I	5.69792	5.85558	5.09201	5.63564	5.8637	5.83723	5.52496	6.16754	5.92644	5.69663	4.96284	4.90758	5.73566	5.34383	6.11302	5.35566
RP11-95F	5.2531	5.75283	5.09503	4.97617	5.31676	5.88667	4.89377	3.0481	5.42868	5.04609	5.30561	5.42644	6.33298	6.01669	5.38754	5.37077
RP11-95C	2.53024	1.94258	5.41479	1.96731	1.97947	3.601	2.5047	1.22235	2.92006	3.11051	1.7041	4.25792	2.07729	3.39861	2.00801	3.57557
RP11-960	6.6713	7.02591	5.71788	6.44172	6.49966	6.79925	6.51815	6.16942	6.05841	6.47812	6.05828	6.90878	5.83395	6.93406	6.89352	6.52531
RP11-96I	7.7644	7.29496	6.88386	6.75602	7.26302	6.57417	7.72221	7.39759	6.64383	7.51158	6.76053	6.831	7.25251	7.90591	7.14295	7.26997
RP11-96F	3.38024	3.21812	3.9258	2.40724	2.36593	1.59197	0.35046	0.01726	3.29007	2.07832	-0.3633	2.17829	2.46016	2.05268	-0.6813	-1.4826
RP11-96K	5.19782	4.49731	4.80292	6.1427	6.43003	4.89066	5.58885	5.78152	4.48532	5.09188	4.5939	5.59616	5.89071	4.68071	5.339	4.69773
RP11-97C	7.82162	7.94961	8.6025	8.19574	9.07924	7.48643	9.09834	8.65698	7.61499	8.35903	8.22587	7.57891	7.40676	7.72056	7.9141	9.27221
RP11-981	5.00441	5.73158	4.44205	4.82835	3.73869	5.25726	5.08115	4.7289	3.06765	4.10188	4.73761	4.51148	4.11284	5.0094	4.5234	4.36849
RP11-998	4.36572	3.24563	3.50622	3.6916	3.64173	3.76182	1.98828	2.04007	1.53958	2.04282	2.15913	4.05356	2.34547	5.02185	2.56931	2.22886
RP11-999	7.67787	4.8846	1.59211	3.33739	2.0729	1.26539	6.13169	0.64273	1.63986	5.48805	1.44615	0.46592	0.47227	0.47862	1.08679	0.27064
RP13-103	6.49359	6.8404	6.98087	7.29816	5.87497	6.25512	6.73015	7.05041	6.76605	7.18187	6.58218	6.56853	6.68978	6.88379	6.776	6.8423
RP13-122	3.68019	3.24563	2.85145	2.58828	1.84689	3.8659	2.90726	1.44837	2.83517	3.05259	3.03593	2.95936	2.8623	3.27909	3.06557	2.53538
RP13-20L	2.68367	1.71163	1.91144	1.89139	2.73769	1.68859	1.80024	2.49961	2.5663	1.69907	2.70123	2.29689	1.82475	2.44811	2.04035	2.07548
RP13-238	4.83558	4.14078	3.87671	3.73945	4.9314	1.32117	3.73393	1.22235	3.60923	5.39899	3.32655	3.42733	4.4772	1.59381	4.74768	3.34078
RP13-270	7.21753	7.44413	7.00057	7.12084	7.13904	6.67939	6.25521	7.52261	6.69758	6.57013	6.78435	7.1566	7.62715	6.23371	7.11489	7.39546
RP13-30A	5.69729	6.86679	5.90303	5.72745	5.95694	6.0054	5.87081	6.34947	5.72358	6.35603	5.61082	5.69196	3.60262	6.19445	5.35492	6.16281
RP13-379	4.16955	3.42761	3.79811	3.95382	3.49824	3.42836	4.24394	4.38366	4.2251	3.49311	4.10165	4.08018	4.07063	3.31071	3.91498	3.53602
RP13-39F	4.43432	5.20401	5.29681	3.98175	4.48532	5.04151	6.4778	5.66305	5.45626	4.87464	4.04818	5.34775	5.18	4.94776	4.35974	4.4879
RP13-436	5.27357	6.35534	6.05522	6.37643	5.09145	5.72931	5.67516	5.70221	6.5377	6.24136	5.3421	6.29645	5.17844	6.42945	5.09806	5.94393

RP13-638	6.51199	6.22403	5.76333	5.5717	5.36162	6.54728	5.92806	6.47918	6.52817	5.80026	6.2474	5.43811	6.36517	6.17946	5.37911	6.57151
RP1L1	3.09851	2.39163	2.35871	3.08274	2.0729	3.32048	2.8619	3.32868	3.17124	2.47565	3.30436	4.19789	3.0877	2.93125	2.95994	2.47807
RP2	5.46214	5.55505	6.46724	6.64108	6.31064	6.3114	6.95816	6.47126	5.9966	4.53994	6.88337	6.3021	6.26313	6.03664	4.93197	6.84907
RP3-327A	2.70064	3.77816	5.04282	3.31099	5.01197	4.86617	2.9333	4.92969	4.01633	5.5278	2.85145	5.26764	4.83558	5.10272	3.8556	2.79166
RP3-329A	6.58303	4.88716	6.47173	6.39462	6.34562	6.81839	7.18981	6.56557	6.29614	7.17727	6.31307	6.93089	6.28592	6.79723	6.9826	6.92174
RP3-333E	5.87483	4.8846	6.06227	5.85864	6.23107	4.10435	6.42527	5.40572	4.9172	2.12186	5.85017	5.7106	6.08846	3.47687	5.9813	5.49652
RP3-334F	6.81521	6.80448	7.02326	6.68155	6.61235	6.68061	6.46946	6.56965	7.39737	6.49246	7.23549	7.39935	8.028	5.92496	6.82635	8.5569
RP3-334F	2.23882	3.20291	2.70549	3.85758	2.81309	2.18538	1.80024	2.13755	4.2082	3.11051	5.04544	1.91466	2.31554	3.18151	4.77313	2.65953
RP3-336K	5.98551	5.40753	5.28718	5.47686	3.73869	5.90903	5.50962	5.58335	3.58282	5.53181	5.38924	6.11277	4.58588	5.29145	5.85731	3.89582
RP3-337F	6.57865	6.20144	6.49197	6.66198	5.23646	5.12651	5.68293	6.23787	5.75916	5.86819	6.31431	5.40205	5.70553	6.16536	5.8292	5.30906
RP3-359N	4.8689	5.97859	5.30746	5.89088	5.56331	5.85098	5.43734	5.60903	6.04212	5.77406	5.972	4.92491	5.57521	5.78062	4.53449	5.55105
RP3-368A	7.09829	6.93258	7.41612	6.72579	7.33454	7.49746	6.46685	5.77151	6.06266	7.08674	7.33464	6.36903	7.15117	7.47541	6.5702	7.70966
RP3-384D	3.89772	2.49227	3.77762	3.78412	2.1445	3.79752	3.32901	2.61382	3.22752	2.91059	3.85459	3.92989	3.84364	2.59761	2.50999	2.61375
RP3-388N	3.16429	5.93216	5.89512	5.07849	4.09689	4.82194	5.39211	4.82189	5.51434	5.13192	4.51495	4.61373	5.82474	2.83991	5.74894	4.85485
RP3-400E	2.65839	1.67217	2.40841	3.35104	2.47594	1.63688	2.5047	3.55509	3.48123	2.5437	2.68367	2.01179	2.23314	2.88516	3.37408	3.28662
RP3-406A	7.16505	6.36353	5.88518	5.40179	6.38204	6.52681	7.05429	5.44583	6.07614	7.20444	3.32655	5.30548	3.12086	7.12385	6.40392	6.20976
RP3-406C	3.00675	2.95972	3.34445	3.04143	2.83544	2.91286	3.25433	3.27157	2.79078	3.62321	2.97056	2.73426	3.07124	2.82083	3.30762	3.31912
RP3-406F	5.93982	5.73868	5.94768	6.40922	6.69103	6.12326	5.80714	3.81494	6.29094	5.57542	6.54533	3.97679	5.90714	7.50612	7.23561	6.74566
RP3-412A	2.99399	3.78328	2.41572	4.09619	3.89439	3.88996	2.87252	4.78336	4.15843	2.55884	4.21355	4.1099	3.58027	2.53538	4.0662	3.60117
RP3-428L	7.28741	6.77663	6.7438	7.45982	7.22466	7.24674	6.27516	5.81033	6.32278	7.57764	6.79656	6.87105	7.21396	6.94742	6.86265	6.3354
RP3-452N	2.63482	1.58173	0.71928	1.06683	1.00765	2.11228	1.03884	1.61881	2.50218	0.85718	0.90097	1.91466	1.29724	2.37224	2.00801	2.16972
RP3-476K	6.5297	6.42499	6.90821	6.78871	4.71358	6.12611	5.59155	5.73312	7.07999	6.6596	6.19879	6.51571	6.09728	5.96754	5.77462	5.43723
RP3-486D	10.7105	11.25	10.2039	11.0741	11.118	10.6549	10.1246	10.9118	10.5482	10.6461	10.2771	11.0417	10.9225	11.2015	10.9018	11.9698
RP3-496C	2.38828	3.37364	3.78731	2.92926	3.78588	2.82741	3.43791	2.80388	2.72769	3.17857	3.10545	3.17351	3.33153	2.98185	3.15604	3.6149
RP3-497J	3.42813	3.85394	4.92155	3.02476	4.31963	4.73879	2.75954	4.62117	2.03262	4.94262	2.72092	2.83233	5.47507	4.08394	4.60192	4.59445
RP3-507I	9.82345	10.3298	10.0103	10.5911	9.45199	10.3765	10.6426	10.5789	9.83019	10.2145	9.47711	10.0919	10.4304	10.3468	10.8356	10.5619
RP3-507I	4.63015	4.60868	3.55864	1.55195	4.02718	1.26539	4.05033	2.55884	-0.238	4.24348	-0.3633	3.19844	3.73495	1.92414	3.10868	4.17756
RP3-508D	3.14636	2.65522	2.91679	3.1994	3.30882	2.34348	3.12496	3.61778	3.13363	3.2328	2.8192	3.41704	2.81611	3.36587	3.47504	3.84496
RP3-508I	6.20362	5.23593	7.5477	6.36848	7.41264	6.489	5.81553	5.76347	5.96332	6.32107	6.71607	7.12935	5.94021	6.7294	5.36614	5.18553
RP3-522F	6.14011	6.93258	6.41846	6.9705	5.63653	6.76201	6.91176	6.37303	5.63434	6.72135	5.8355	4.58543	6.14906	6.1373	5.9209	6.60839
RP3-522F	5.70446	4.68764	5.39073	5.64638	5.70326	5.59245	5.81987	6.07842	5.48228	5.45382	6.27405	5.99129	5.42243	6.24787	5.98501	5.79002
RP3-525N	5.45017	6.20923	6.21767	5.96025	5.51788	5.83799	6.06953	6.10828	5.99481	7.05484	5.50599	6.6295	6.32792	6.19649	6.18181	6.10171
RP4-539N	7.34951	5.43309	3.40102	6.04278	4.9314	3.17101	5.60753	3.86842	5.34272	3.05259	3.09709	4.57959	3.03764	3.18151	5.13836	3.48415
RP4-539N	5.09335	6.17538	4.50237	5.21128	6.00658	6.23163	6.71622	6.01489	6.51558	5.86819	6.20181	6.54707	6.87122	6.8906	5.84548	6.64563
RP4-545K	6.52429	6.5773	6.73015	6.97362	6.06808	6.545	6.80609	6.39024	6.25491	6.30722	6.35611	6.21309	6.6692	6.44624	6.11134	5.8566

RP4-555I	4.63015	3.80592	2.79272	3.23213	3.49824	3.17101	5.17761	3.13235	3.00175	2.61134	3.51391	1.4899	5.32616	5.02586	3.23099	3.75027
RP4-560E	3.66681	4.69941	3.49445	5.82316	3.2065	3.84347	4.11808	3.39861	4.00589	3.55696	3.66652	3.49365	3.75766	3.79618	2.94685	4.77693
RP4-561I	4.91054	4.72297	5.61026	4.6439	5.36162	5.80045	5.64301	5.59425	3.5404	3.99153	4.64412	5.01256	4.91397	4.58025	5.28699	2.19188
RP4-575N	5.25618	6.04156	5.9165	5.78328	6.08731	5.47877	5.73173	5.84319	6.03198	6.44639	5.69186	5.75568	5.97056	5.02586	5.65551	5.79273
RP4-581F	5.26165	4.72297	5.71171	6.0029	6.72689	5.31891	5.27116	6.27334	5.20828	5.76953	6.30615	6.24402	5.23563	6.30532	6.10152	4.91623
RP4-584I	6.97241	6.85535	6.72462	6.15228	6.32495	5.98304	6.29363	6.33053	6.17468	6.89471	6.38623	6.79393	6.66117	6.803	6.46662	6.88265
RP4-593C	3.81865	1.01454	0.27064	1.73098	1.20215	1.42001	3.12496	2.04007	0.89896	2.04282	3.35206	0.22408	0.76448	1.78331	2.29341	2.4155
RP4-593F	6.65883	6.32268	4.17984	4.19971	3.35289	4.82763	6.41151	6.52183	5.23533	5.932	5.78351	6.27203	5.8151	5.54064	5.75747	4.50598
RP4-594I	3.04535	2.31976	1.79898	1.85049	2.29738	3.01096	2.1009	3.37974	3.04535	2.19868	3.12278	2.509	3.23246	2.57571	2.34348	2.53538
RP4-595K	9.25806	9.67089	8.70461	9.55947	8.57988	9.06609	9.13804	8.48984	8.60368	9.23508	9.00167	9.4479	10.0604	9.71435	8.85137	10.4135
RP4-612E	6.05707	7.13112	4.91796	5.302	5.97935	5.83323	4.31322	5.90934	6.2519	5.36656	5.87276	5.20401	6.42124	5.36972	6.92535	3.85966
RP4-612E	5.66365	6.21719	5.53995	5.84369	6.21114	5.4297	5.95116	6.01952	5.55208	5.6242	5.74268	6.1153	6.18277	5.95512	6.54247	6.6026
RP4-613A	4.36572	4.54463	3.66581	5.09328	4.08624	5.36454	5.65866	5.25678	5.41662	4.02075	4.66895	4.92065	4.48458	4.77206	3.92173	4.98419
RP4-614C	6.58972	5.43602	6.8108	7.05429	6.12439	8.34839	6.83461	5.75271	6.22548	6.03361	5.1842	5.75224	5.72346	6.09928	5.8373	5.99406
RP4-621E	3.98673	1.40126	1.85463	2.36312	3.0533	2.67969	4.16126	2.49961	2.83517	1.74155	-0.1724	1.31925	0.93298	0.35046	0.80062	4.2961
RP4-633F	3.28382	4.00768	3.40102	3.32481	3.81865	3.49365	3.58877	3.74908	3.60923	4.25792	4.57799	3.61408	4.69821	3.54384	2.36623	4.65881
RP4-635E	6.98662	7.67916	7.73337	7.24855	7.54861	7.88778	8.53406	8.10432	7.13775	8.23028	6.65654	7.41543	8.17445	6.94333	7.5095	6.94552
RP4-647C	3.71123	3.91554	3.64098	3.49407	3.45301	3.72561	2.9333	3.84143	3.65431	3.74711	3.71153	3.84426	3.00618	3.6977	3.52918	3.75027
RP4-657I	5.3496	5.15808	4.44939	2.4789	2.68714	4.71174	5.76629	2.81438	4.33436	4.47533	4.47417	3.0573	5.70553	3.75913	3.08134	4.45493
RP4-665N	6.32278	6.38771	7.05668	6.21493	6.23348	6.1194	6.53172	7.20142	5.45313	5.61936	6.12515	6.30769	6.59083	6.65672	6.0207	6.16614
RP4-675C	4.82631	5.98051	4.58037	3.17801	5.08514	5.22231	4.64035	5.61233	5.96074	5.48393	3.80377	5.31378	4.60738	5.25231	4.54034	5.97739
RP4-676I	1.37327	1.35876	1.54854	2.72117	0.47862	1.53719	1.03884	1.44837	1.39887	0.93298	0.41243	0.75844	1.01457	1.21564	1.08679	0.80062
RP4-680I	6.21786	6.78671	6.15928	6.48178	5.94464	6.26758	6.59438	6.73741	6.11334	6.45815	6.3021	6.48488	5.81769	5.77414	6.12617	6.92499
RP4-710N	7.74945	8.41887	7.83703	7.76946	7.98057	8.31415	8.07018	7.90683	8.20986	8.193	8.42037	7.96021	8.07664	8.08542	7.93087	8.98598
RP4-714I	6.387	5.70611	5.80642	5.49937	6.08731	6.4042	7.59703	5.50962	6.09683	6.75056	5.45803	6.18784	4.8922	5.72434	6.11571	6.17688
RP4-730I	3.13246	4.98989	4.83036	3.77125	4.02718	5.67328	5.17316	5.22858	4.42376	5.36656	3.50469	3.58989	2.96494	3.8419	3.04901	3.23061
RP4-740C	6.07264	5.27758	5.89038	5.74598	6.61235	6.27134	7.74032	6.02598	5.95809	5.76953	5.57038	6.33379	6.44624	6.60967	6.53737	6.56417
RP4-742J	4.44009	4.3216	4.52824	4.79981	4.97329	4.60609	4.3989	4.03916	3.13363	3.34275	3.64053	4.64303	1.7762	2.88516	4.27526	3.26138
RP4-758J	5.69349	6.10602	3.64098	5.60876	6.89934	7.22364	6.4066	4.34289	5.30524	4.44111	5.33963	5.28266	6.09492	5.51676	6.94762	6.44565
RP4-773N	7.15117	7.32679	7.36109	7.08088	7.09448	7.59878	8.81505	7.26624	7.17933	7.42749	6.58218	7.46031	6.74395	7.35459	7.42126	6.81862
RP4-781K	3.89772	5.53607	4.47125	5.48763	5.27562	6.06644	5.52025	6.17362	4.14509	4.55142	5.64281	5.8373	7.22752	5.37493	5.79844	5.55298
RP4-781L	7.371	7.78755	8.84803	7.65898	7.29628	8.54913	8.20468	8.44583	8.21979	8.02057	8.23028	8.19541	9.14447	7.77224	8.06308	8.10362
RP4-794F	3.88851	2.99228	3.37247	3.55701	3.46884	3.6256	3.2194	2.98628	3.38569	3.8925	3.41787	3.51602	3.23246	3.62944	2.79339	2.9809
RP4-798A	7.08637	6.57255	4.17548	6.15228	5.59136	6.1277	4.81992	4.79956	5.13395	6.72319	5.18643	3.88877	7.52405	5.41453	5.83181	6.53405
RP4-813F	5.3204	3.06378	2.93758	3.15929	6.51043	3.65332	7.24828	3.08616	4.67119	2.98998	2.63321	2.75185	3.46411	4.80703	7.60189	5.5143

RP5-1007	5.32454	4.96661	5.16594	5.63391	6.72349	5.15643	6.72335	4.46162	3.35168	5.23031	4.88165	2.20167	1.82475	3.8872	5.89644	3.99805
RP5-1027	4.89951	2.65522	4.88716	4.43678	4.40686	4.99197	4.53887	6.02598	4.90488	5.95178	2.80891	5.48379	6.08585	4.57214	5.07609	4.69252
RP5-1031	2.79297	4.17704	3.45525	4.19971	3.01001	4.89066	4.10344	3.91364	2.95663	3.6977	3.15604	3.51602	4.60192	3.10839	3.30762	4.02973
RP5-1039	3.32431	4.00768	4.32665	3.83907	3.64173	4.25611	4.21561	3.45352	3.38569	3.97041	3.74792	3.52665	3.17825	3.98175	3.4886	3.31912
RP5-1039	5.83789	4.59974	6.14859	6.29269	5.38528	8.22755	7.26867	5.75271	5.96074	7.52841	6.13477	5.85157	6.67065	6.85524	6.52996	5.94393
RP5-1061	3.79639	4.94996	5.22231	4.53167	5.01701	5.60384	6.28657	4.34817	5.71298	5.1154	5.52936	6.22659	5.83943	5.25618	5.45637	5.38269
RP5-1065	3.79639	3.55786	2.56774	4.82178	5.97935	5.92224	6.37591	5.80439	3.65431	3.65408	3.53979	6.16473	5.83943	5.54823	6.84334	5.91594
RP5-1068	5.18283	5.45677	4.36849	5.28498	5.75084	3.93664	6.15008	6.36903	5.41662	5.78287	5.75916	5.56798	6.54598	5.82241	6.71149	6.50178
RP5-1074	7.32463	7.29055	7.36252	6.99578	7.39951	7.72681	7.8819	7.65128	7.08941	7.85368	7.53657	7.45295	7.12681	7.23528	7.48976	7.5985
RP5-1085	6.94586	7.42325	6.8869	6.87241	6.3778	7.30238	7.26915	7.35822	6.94648	6.22568	7.07704	6.90375	7.49844	7.11782	7.78225	7.01074
RP5-1092	8.54327	7.27347	7.16051	7.03035	6.19375	6.21486	7.12499	7.05217	6.09195	5.08644	3.97251	7.08674	5.6564	6.96626	7.41711	7.24015
RP5-1098	2.96659	3.55786	2.79272	2.90159	3.42572	3.601	3.08298	2.64349	3.66585	3.00855	2.90046	3.31042	1.68682	4.20074	3.0951	3.23061
RP5-1102	5.22275	5.69663	4.6804	5.88508	5.73055	5.8691	5.4508	6.16296	5.446	5.34336	4.8882	5.46197	5.62541	5.80421	5.49177	5.94393
RP5-1103	0.82494	1.01454	1.09002	0.90097	1.20215	1.00765	1.32308	1.31605	1.26079	0.75071	1.20713	1.01454	1.89786	1.02124	1.31925	1.1038
RP5-1118	5.94267	6.30648	6.30551	6.8966	5.95694	6.47506	5.69257	3.10948	5.82261	6.97588	6.07237	5.73718	5.28614	6.43957	6.43433	6.45994
RP5-1119	5.34118	6.79839	6.16281	6.65166	6.78466	7.23107	7.2332	7.2218	6.99403	6.89861	7.00878	7.4236	7.0851	6.74522	7.24097	7.5477
RP5-1136	7.68379	7.4571	7.64142	7.65557	7.82305	7.88093	7.44413	6.87678	7.38684	7.4811	7.85571	8.17784	8.21557	7.96786	8.00769	8.78035
RP5-1154	5.36009	5.01945	6.5596	6.31876	6.65283	6.03254	6.13608	4.74882	5.26828	6.62386	6.3021	4.82307	6.25587	5.82837	5.50096	6.2462
RP5-1170	3.58775	4.01765	2.74259	2.55745	5.18485	5.7251	3.39293	2.78286	3.85447	2.31329	4.66895	3.86376	3.65598	2.86263	2.97605	3.93004
RP5-1180	3.29685	4.69941	5.84642	4.51886	3.76997	4.86073	5.43281	4.90215	5.36454	2.38782	5.38684	4.82307	4.51744	4.71408	3.93945	5.2021
RP5-1184	5.65385	4.39917	4.52167	5.9677	4.05118	5.22231	4.11808	4.39881	5.38622	3.3263	3.73917	5.24956	5.91749	5.23942	5.46774	4.02452
RP5-1189	1.50761	2.46272	2.21086	1.3754	2.36593	2.27957	2.67152	2.75656	2.43603	2.38782	2.41572	1.3666	1.53958	2.99448	1.78116	1.32709
RP5-855I	1.96392	2.69344	2.81121	3.45327	3.38334	4.2936	2.23396	3.61778	3.49474	4.38311	4.26713	3.22488	2.46016	3.90216	4.00119	2.86424
RP5-856C	5.41746	5.77073	5.23257	5.39736	5.42456	5.62765	5.24432	3.49069	5.71298	5.09188	2.75175	4.95423	5.09869	5.97437	4.89474	5.68746
RP5-882C	12.9043	12.9525	12.9525	12.9043	12.6803	12.9043	12.6407	12.6407	12.6803	12.6201	12.6803	12.8527	12.8527	12.9043	12.8186	12.8186
RP5-890E	5.66152	5.63823	6.24099	5.83023	5.57527	6.57111	5.29949	5.67359	5.01527	6.17716	5.27057	6.04935	5.92669	6.15946	6.04054	4.2082
RP5-892K	3.71123	4.35031	5.63658	4.51886	3.87693	5.11016	3.0573	4.03022	5.09372	4.14078	4.77423	4.94936	5.77662	5.45508	4.13924	3.37025
RP5-894A	3.48571	3.77816	2.40841	2.43076	3.86774	2.45459	3.32901	2.8638	2.07939	2.5437	3.13394	3.04581	2.10686	2.22838	2.69546	2.4155
RP5-894D	4.73297	5.10307	5.8237	5.77035	3.38334	5.17093	5.5974	6.37758	6.38787	3.58913	5.81525	6.2538	6.2245	5.76092	5.55253	5.18256
RP5-930J	6.71962	6.17352	6.37469	6.44417	6.43883	6.66158	8.01409	6.28503	7.01879	5.53181	6.34224	5.69581	6.54284	5.77062	6.93883	6.53759
RP5-935K	7.89942	8.14392	7.89872	7.94808	7.93833	8.81813	9.1073	8.79448	8.06529	7.60753	7.88503	8.09594	8.41228	8.44632	8.50865	8.33456
RP5-944N	5.64699	5.73502	5.84439	5.58134	5.48441	5.56226	5.68623	5.62759	5.72034	5.02266	6.04696	5.64291	5.49908	5.85334	5.6169	5.29817
RP5-963E	4.28431	4.62359	4.86471	4.55668	4.04328	4.48115	6.43909	5.15157	4.7523	4.66095	3.65785	5.85971	4.11284	4.63315	4.59688	4.18842
RP5-968J	3.22144	3.36509	3.28947	3.36292	3.2065	3.94666	4.27634	3.85505	3.90229	3.65408	2.8192	3.90172	3.90551	3.55944	3.21508	3.12132
RP5-991C	5.11682	5.40341	5.29579	4.04694	6.44283	4.28649	6.69863	6.60271	4.2251	4.15112	6.23645	5.94963	4.14977	6.39959	6.08974	4.84596

RP5-991C	2.40819	1.32117	3.16713	3.04143	1.60199	2.11228	1.32308	3.52249	2.73661	3.41751	4.62733	1.41969	3.10377	2.82083	2.34348	3.12132
RP6-149I	2.08404	5.49063	5.54788	5.33258	5.37077	4.9488	4.008	5.50962	4.79002	4.37418	4.55446	3.69374	5.82023	4.7453	5.2002	5.5143
RP6-201C	4.96173	4.26036	4.6592	5.5785	4.84616	3.81413	6.37377	3.27157	4.44708	4.25004	3.70318	1.69916	4.93183	2.93125	2.49591	4.85873
RP6-24A7	2.75185	2.1636	2.81121	2.72117	2.79083	11.2324	4.92155	2.67421	4.5431	3.11051	2.38828	2.44179	4.32095	3.55944	3.21508	2.51437
RP6-91H8	3.22144	2.82798	3.09945	3.27048	3.93705	4.30957	2.42155	3.27157	3.17124	2.72148	2.48014	4.27983	3.25147	2.95261	3.74409	2.53538
RP6-91H8	6.0104	6.35089	6.44309	6.0536	6.12617	6.01466	6.74335	6.67496	5.87249	6.22886	5.56646	6.71108	7.1037	6.75107	6.29133	6.95472
RP6-99M	6.16343	5.69214	6.71848	6.98119	7.20502	6.13597	4.91176	5.35451	5.94126	5.46729	6.79897	4.35575	7.0676	6.41451	6.64251	5.80493
RP9	5.68425	6.17842	5.86541	6.10884	6.5805	6.42136	7.04863	6.42817	6.74255	5.96143	5.77781	6.50907	6.22235	6.22548	6.04891	6.39865
RP9P	6.31023	6.37311	6.24726	6.21158	6.00511	6.07014	6.6832	6.24408	6.45583	5.94177	6.32017	5.96269	5.92548	6.42834	6.34809	6.16976
RPA1	7.57081	7.32622	7.46593	7.5677	7.87296	7.35698	6.95444	7.37469	6.42644	7.75627	7.23713	7.71496	7.49429	8.055	7.79463	6.7883
RPA2	9.10034	9.64364	9.68026	10.1516	9.59677	9.4359	8.83206	9.56083	9.78173	9.29168	9.64884	9.65751	9.32342	9.60844	9.78849	9.5293
RPA3	8.00827	8.86075	8.30082	9.20282	9.01455	8.51364	9.33546	9.3733	9.00855	7.40742	9.22423	7.79491	9.66243	8.8893	8.61779	9.04127
RPA3OS	7.2324	7.83449	8.29592	8.08258	8.31848	6.9911	6.9358	7.21316	7.98518	7.9407	7.82748	7.25418	7.0308	6.75488	8.46973	8.37808
RPA4	1.84505	4.26036	4.84165	3.25646	5.21228	4.82763	4.80326	3.99573	3.00175	5.04176	5.35071	4.82852	2.17097	2.34474	5.00761	5.16578
RPAIN	5.72269	5.60407	5.2242	5.34812	6.31896	6.08113	6.17538	5.32123	5.31186	5.66075	5.65306	5.96227	5.85412	6.65043	5.71377	5.74348
RPAP1	7.01721	7.69916	7.23538	7.1047	7.89679	7.68698	8.03799	8.58514	7.8789	7.03405	7.24511	7.66558	7.4913	7.8025	7.67098	7.80162
RPAP2	6.8423	6.48403	6.32955	6.86587	7.03744	6.57275	6.84027	7.09732	6.80263	7.01158	7.1503	6.9197	7.16078	6.48609	6.69812	6.95299
RPAP3	5.62183	5.80324	6.33896	5.28311	6.47407	5.8369	4.89098	6.3827	4.74067	5.42031	5.93474	5.14507	5.80642	6.22725	5.97818	6.95076
RPARP-A	4.76519	4.90904	4.85855	4.35656	5.69946	4.76487	4.49355	5.61119	4.45813	5.04939	4.6393	5.81858	4.64211	4.56226	4.93688	5.11244
RPE	5.47104	5.82515	5.35947	6.1733	7.14209	5.63847	6.67044	6.48506	6.38992	5.7047	7.02771	5.93318	6.45247	6.53804	6.6437	7.45339
RPE65	4.26669	3.48434	4.20503	4.51263	5.09839	3.71116	4.16126	4.71588	4.2251	5.90474	3.05202	4.95899	5.36439	4.19488	3.662	3.66526
RPF1	5.6242	6.55559	5.47426	5.93654	6.31108	6.13194	5.32055	5.47715	5.80335	5.62571	5.31915	5.95617	6.00213	5.55753	5.41719	5.65081
RPF2	7.5009	8.66768	7.78878	8.93712	9.29696	8.54751	9.44547	9.29585	8.66491	8.31637	9.05078	7.73503	9.41817	8.91763	8.69356	8.75045
RPGR	8.31492	7.3505	7.06652	8.1881	7.28842	7.25652	7.52923	8.33807	6.80638	5.90474	6.90246	7.38703	7.18879	6.98418	7.71776	6.98769
RPGRIP1	6.82116	5.40341	7.32741	7.0935	4.18809	6.62714	6.83375	7.92262	6.88851	7.43943	6.71827	5.80184	6.73301	7.06726	5.62022	7.34787
RPGRIP1	5.08498	4.44065	4.92736	4.81196	4.5945	3.9152	4.10686	4.32214	3.57809	4.58428	4.08712	4.24673	4.66132	3.82587	4.48705	4.97569
RPH3A	3.84315	3.65681	3.89015	4.91294	5.23021	6.3185	6.09746	6.08585	4.60738	6.46324	6.28743	5.6703	5.28614	4.04773	6.24927	6.35743
RPH3AL	4.64707	4.75793	5.56117	4.65199	4.81568	5.15982	5.67833	5.27518	4.35134	5.09432	5.53494	4.70148	5.49659	5.52109	5.20872	4.52689
RPIA	9.38269	9.21392	8.91873	9.30365	8.65638	8.96044	8.73349	9.21594	9.09062	8.76046	9.28266	8.31415	8.66226	8.44731	8.44095	9.05706
RPL10A	11.712	12.0628	11.4157	12.0628	11.9441	12.0504	11.8369	11.9498	11.8738	11.8106	11.1909	11.9441	12.0628	11.9991	11.8866	11.9903
RPL10L	4.81528	7.20429	4.83036	7.39338	6.44565	6.85619	6.06278	5.76347	6.06835	5.59567	6.78863	6.83889	6.90726	6.50394	6.31746	6.79541
RPL11	11.0235	11.4758	9.85557	11.374	10.7548	10.8107	11.4157	11.174	10.0518	10.9586	10.9732	9.09316	11.712	11.9171	11.374	11.8738
RPL12	12.2456	12.468	11.8106	12.468	11.9498	12.2837	11.6759	11.8369	11.712	12.1489	11.8738	12.2597	12.5041	12.2456	11.9991	12.4376
RPL13AP	6.80432	5.09806	6.25827	6.9799	6.13485	5.09772	6.06525	6.74767	6.88675	4.69665	6.64131	6.51571	7.24216	5.73779	6.88974	6.10931
RPL14	9.49286	10.2955	9.15499	9.57128	9.39209	9.41517	9.58716	10.6273	9.33951	9.47426	9.54173	9.97929	9.88457	9.22173	9.82582	10.4318

RPL15	9.81024	10.1211	9.25237	9.99925	9.60059	9.94645	9.70802	9.43871	9.6978	10.0988	9.20103	9.08964	9.90783	9.58912	9.44929	10.0218
RPL18	7.98571	7.80726	7.70564	9.00855	7.71742	8.73084	8.46025	6.98813	7.5049	8.28007	7.74752	9.38768	8.17017	9.0751	8.0511	8.73603
RPL19	11.5015	12.2135	11.0674	12.0385	12.0147	11.8369	11.7897	12.0835	11.6889	11.4058	11.2075	11.5856	12.2456	12.1026	11.7562	12.0628
RPL22	11.4058	11.741	11.5015	11.7897	11.4854	11.3436	11.565	11.6449	11.2324	11.768	11.0235	11.2154	11.7897	11.8106	11.8106	11.8493
RPL22L1	8.32303	9.11102	8.25579	9.13748	11.2207	10.2628	9.19948	11.3436	8.50784	8.83206	10.0385	9.49156	10.8668	9.93446	8.9171	11.048
RPL23A	12.2011	12.3111	12.2135	12.5511	12.2456	12.6076	12.6201	12.3273	12.1308	12.1026	12.3491	11.9698	12.6076	11.9321	12.2837	11.9804
RPL23AF	7.62195	7.43803	7.19439	7.44447	7.83372	7.82848	8.08992	8.29732	7.26814	7.89522	7.46791	7.22861	7.57366	7.67964	7.81636	7.47282
RPL23AF	5.68967	3.20291	4.77076	4.10198	3.38334	2.5608	2.78886	3.39861	4.58372	3.86818	2.75175	5.21362	4.32095	3.82972	3.71004	4.17756
RPL24	11.9498	12.3939	11.8738	12.4159	12.468	12.3273	12.1489	11.8866	12.0258	11.5206	11.7562	11.2207	11.9698	11.9698	12.3111	12.5323
RPL26L1	9.66727	9.97929	9.12874	9.68239	9.45747	9.65751	9.1663	10.3157	9.26978	8.81129	9.26858	9.67513	10.3603	9.81607	9.62785	9.77064
RPL27	12.5041	12.5798	12.2837	12.7145	12.8186	12.6803	12.3743	12.5798	12.4159	12.0504	12.6076	12.3743	12.8186	12.7548	12.6516	12.6803
RPL27A	7.97709	7.67128	7.73231	7.78156	7.82597	8.1319	9.20523	8.58691	8.8844	8.25368	7.60624	9.27564	7.95464	8.04476	7.44743	8.14909
RPL29	11.3587	11.9498	10.5482	11.4854	10.509	10.8255	10.8383	10.2374	10.398	11.1909	10.8054	11.3436	11.7283	11.3587	10.7178	12.1851
RPL3	12.5511	12.5041	12.3743	12.7329	12.3743	12.2366	11.118	11.4424	11.8254	12.3939	12.0504	12.6201	12.0835	12.5511	12.2011	12.3491
RPL30	12.5323	12.9043	12.7845	12.8527	12.7845	12.8186	12.3273	12.3939	12.6076	12.5041	12.5798	12.7548	12.9525	12.7329	12.7329	12.8527
RPL31	10.0756	10.5345	10.2444	10.9797	9.87044	10.5857	10.4489	10.7308	10.1334	10.2227	9.53098	10.2856	10.6854	10.9531	10.3228	10.817
RPL32	12.2837	12.5183	12.0504	12.5041	12.5041	12.1489	12.2135	12.6803	12.1489	11.9804	11.9991	11.8106	12.2974	12.0628	12.3939	12.5798
RPL32P3	6.78466	7.12545	6.84334	6.75415	6.06992	7.20013	7.68599	7.12034	6.75444	6.98607	6.6161	6.54628	6.43161	6.53227	6.75167	6.8179
RPL34	12.7548	12.2366	12.8527	12.3111	11.2015	12.468	12.6625	12.1489	12.7329	12.5323	12.3111	12.6803	12.2366	12.4376	12.6803	12.0385
RPL34-A	5.36418	5.25716	4.83835	5.28498	4.35974	3.5856	4.07312	4.72163	4.81378	4.26756	3.99549	5.76009	5.10681	4.51886	4.30494	5.97245
RPL35	12.2597	12.3491	12.1308	12.3939	12.3273	12.3939	11.9804	11.9321	12.0147	11.7283	12.1489	12.5511	12.1308	12.2974	11.9321	12.5183
RPL35A	8.91007	8.71707	7.84726	8.94055	8.24208	8.94892	8.91549	8.42736	8.47782	8.94892	8.15045	8.20175	9.0336	8.8213	8.15497	8.95954
RPL36	10.7696	11.6759	9.86652	11.3517	11.1093	11.5751	11.741	10.7134	10.6816	10.552	10.8912	11.9804	11.8106	11.8369	10.6889	11.8866
RPL36A	5.62378	5.63336	5.79697	4.94472	3.22566	6.18539	5.41755	6.13672	5.54883	5.73126	5.79509	6.22542	4.39532	5.60451	5.26485	5.55993
RPL36AL	10.7467	11.4504	11.3656	11.9441	11.0674	11.0289	11.4345	11.741	10.5225	10.5181	10.6932	11.118	11.1357	10.0868	10.5911	10.9849
RPL37	12.5715	12.5511	12.5183	12.5798	12.5715	12.5715	12.7548	12.7548	12.5798	12.2366	12.2366	12.0385	12.5511	12.5041	12.5798	12.5041
RPL37A	9.4359	9.2111	9.56083	8.97745	9.19307	9.29585	9.45311	9.57938	9.80678	9.55257	8.9537	9.07924	9.12067	9.11792	9.27221	9.31733
RPL38	9.55257	9.63723	9.3733	9.45518	9.25806	9.82345	10.3399	10.1277	10.5345	9.98579	9.26978	9.92568	9.81607	9.55947	9.27564	9.64364
RPL39	12.6625	12.7329	12.7145	12.6625	12.7548	12.5798	12.7845	12.7845	12.8527	12.2837	12.5183	12.7329	12.7548	12.5798	12.7145	12.6989
RPL39L	6.29994	7.11803	6.84002	6.0617	5.0677	4.11531	6.07864	3.10948	4.93727	6.087	7.84464	6.53641	3.37673	5.78361	5.77322	4.96263
RPL3L	2.30837	3.78714	2.66774	3.57686	3.96564	4.7822	5.94594	3.3596	4.14509	2.34717	3.12278	4.98318	4.66581	2.62575	3.30762	6.06314
RPL41	13.0559	12.8186	13.0559	12.8186	12.9043	12.9525	12.9043	12.9525	13.0559	12.7548	12.8186	12.7845	12.7329	12.8527	12.9043	12.7548
RPL6	11.8738	11.9698	12.1489	12.1489	12.3111	11.9698	11.6143	11.9441	11.9903	11.9018	11.4157	11.547	12.0385	12.2135	12.0258	12.2366
RPL7	10.4836	10.4743	10.3298	10.4778	10.6686	10.8711	10.6607	10.1711	10.2145	10.2398	9.69292	10.2955	10.4632	10.6304	10.2583	10.0722
RPL7AL2	8.77753	9.28504	8.73084	8.98598	8.84648	8.73349	8.83744	9.16731	8.73084	8.86457	8.1427	9.02044	8.86529	9.03581	8.70235	10.0385

RPL7L1	9.43324	9.31635	9.31398	9.35677	10.0988	10.1365	10.8188	10.0495	9.58269	9.50452	9.4469	9.27221	8.92819	9.90936	10.2318	9.4267
RPL8	12.7329	12.8527	12.5798	12.9525	12.5183	12.6407	12.0504	11.5751	12.2974	12.6803	12.7329	12.9525	12.7845	13.0559	12.2366	12.9043
RPL9	12.6803	12.5715	12.5511	12.6407	12.7145	12.7548	12.5798	12.2837	12.3743	12.2597	12.4159	12.4159	12.7145	12.5715	12.5323	12.6625
RPLP0	12.5798	12.6407	12.5715	12.6201	12.6407	12.5041	12.468	12.2366	12.3273	12.2456	12.2597	12.6989	12.6201	12.7845	12.5715	12.6076
RPLP1	7.71648	8.13446	7.4267	7.65751	7.38059	8.09264	8.30405	8.08258	7.59878	7.9697	7.6187	7.81534	7.92948	7.90683	7.8415	7.72891
RPLP2	4.86031	6.30347	4.59647	5.98353	5.54505	5.90151	6.31548	6.46475	6.0402	5.27341	6.22394	5.99223	6.28105	5.98862	6.09956	6.31699
RPN1	9.10516	9.02455	9.09179	8.15613	8.69194	7.49352	8.21596	8.63946	8.8433	8.79299	8.82218	8.04348	7.05859	7.79551	8.61511	8.08164
RPN2	10.4412	10.0722	10.617	9.63723	10.4448	10.0193	10.269	10.0162	11.1017	10.8711	9.72612	9.99653	9.64667	10.4243	10.5826	9.89146
RPP14	6.4091	6.58582	5.9832	6.46387	6.57832	5.8839	6.44926	6.8284	6.46387	6.86703	6.62398	5.59515	5.94857	6.21452	6.60271	6.97093
RPP25	3.46771	3.92393	4.2803	4.04104	3.43394	3.48538	3.36231	3.14028	3.14316	4.11592	4.52134	5.2021	3.01995	3.41991	3.74024	3.19332
RPP25L	8.32089	8.47096	8.371	8.79526	7.81452	8.2823	8.07849	7.94225	7.76259	8.28261	8.54112	9.62162	8.56411	8.61682	7.64485	8.81092
RPP30	5.96883	6.09461	6.47846	6.59326	6.48263	6.46008	6.49655	6.15646	5.32123	6.35351	6.5732	5.93594	6.17961	7.00962	6.63705	6.6798
RPP38	7.48663	7.5598	7.49883	7.67064	7.50206	7.80077	8.37199	7.35469	7.32606	6.77043	7.49227	7.30509	7.94708	8.27879	7.76594	7.37359
RPP40	7.02091	7.28797	5.51437	7.4066	7.57459	6.56041	7.07869	7.65355	7.07535	4.78962	7.64917	7.86571	8.64803	8.30721	7.46674	7.95894
RPPH1	6.48815	6.96135	6.77496	4.24629	4.71898	5.049	6.33808	4.47773	4.26581	6.39985	4.24944	6.93537	6.60817	6.75488	4.13035	6.24052
RPRD1A	5.7384	5.91	5.8792	5.62971	6.24911	6.19705	6.18822	5.52677	6.18497	6.42338	5.79752	5.47955	6.66387	6.76269	6.23074	6.32531
RPRD1B	6.64819	6.34101	6.15426	6.51508	6.35718	6.52099	6.4495	6.52082	6.70872	6.17076	6.47632	6.33619	6.22886	5.78611	5.93792	6.55613
RPRD2	6.94842	6.8423	6.88989	7.48101	7.40236	6.80312	7.21344	7.05818	7.15566	6.71031	6.93763	7.17603	7.16246	6.8119	7.71742	7.62768
RPRM	7.21827	3.81549	4.25043	7.91573	1.84689	4.87977	1.73976	3.49069	3.46459	5.48805	2.18694	3.38388	1.82475	4.89098	4.29394	4.63943
RPRML	3.47335	4.90452	4.90711	3.66594	5.56331	3.22527	3.00912	4.22833	3.78033	5.69927	3.33935	3.62346	2.79294	3.64454	5.13836	3.67519
RPS10	11.1357	11.3587	10.6733	10.8573	10.9989	11.4919	11.1275	11.2756	11.1357	10.9636	10.942	11.5015	11.1434	11.0928	11.1225	11.0674
RPS10L	9.32342	9.57879	9.13692	9.56807	9.4722	9.819	9.68889	9.17096	8.92195	9.44547	9.45518	10.6494	10.5573	9.91866	9.59898	10.2415
RPS10P7	2.83473	2.51658	2.82464	4.36112	1.84689	2.76484	2.53476	3.98218	2.07939	2.69205	2.99709	3.92989	3.47767	2.70047	2.84494	3.38208
RPS11	7.69466	7.9954	7.66086	7.68471	7.38512	7.75453	10.298	7.59935	9.37612	7.82923	6.97745	7.18801	7.38342	7.5326	7.48544	8.0555
RPS12	12.7845	12.6625	12.7548	12.6989	12.6076	12.5511	12.7145	12.8186	12.6625	12.5798	12.4376	12.6407	12.6407	12.6407	12.8527	12.6201
RPS14	5.66285	5.98373	5.77151	5.79118	5.4377	5.67812	5.78811	5.7063	5.33097	5.93081	5.73217	6.29734	6.03112	5.96245	5.86149	6.00298
RPS15	8.81813	9.07607	7.86725	8.03983	7.99684	8.371	9.38206	7.98057	8.38509	8.86269	8.56201	7.08815	7.93138	8.99622	8.57166	8.85032
RPS15A	8.8365	8.95773	9.10516	8.98841	9.0096	9.56952	9.90115	9.61231	9.08964	9.50597	8.60597	8.81129	9.18298	9.819	9.52486	9.45199
RPS16	11.0825	11.3517	11.1434	11.2822	11.008	11.1093	10.6816	11.2822	11.174	11.0563	10.3951	11.4854	11.0154	11.2278	10.9797	10.942
RPS16P5	6.32883	5.81725	6.60593	5.37911	6.32495	6.0237	6.14076	5.43004	6.51736	6.16561	6.18909	4.57214	5.24633	5.88448	5.88887	4.52387
RPS17	12.2974	12.2837	12.0147	12.3273	12.2011	12.3491	12.3111	12.4376	12.0628	12.0628	11.768	11.9018	12.1851	12.2011	12.3273	12.3111
RPS18	12.6076	12.6803	12.6076	12.6803	12.6201	12.6625	12.6803	12.7329	12.6989	12.3743	12.5323	12.7145	12.6803	12.6625	12.6989	12.7145
RPS19	10.5398	10.6972	10.5181	10.4028	10.4632	10.7467	11.088	11.4919	10.6351	10.7996	10.3502	10.8107	10.6932	10.8573	10.7105	10.5062
RPS19BP	9.22763	9.80853	9.51355	9.49953	9.34651	9.20523	9.62568	9.52199	9.35321	9.45518	8.87234	10.1542	9.6978	10.2195	9.24021	9.29877
RPS21	11.4272	11.9441	10.7357	11.5301	11.4504	11.7002	12.2597	11.2558	10.9989	11.088	11.468	11.374	12.3743	11.4345	11.565	11.8254

RPS23	8.60654	9.51497	8.17633	8.94892	8.72194	9.81371	9.62785	8.42381	9.17193	9.59094	8.68396	9.39668	9.13921	9.43176	9.07809	8.87147
RPS24	8.98666	9.33845	9.39322	9.23642	10.3951	9.66114	9.40525	10.5482	9.69974	10.0162	9.59677	8.90271	9.60191	9.99653	10.0897	10.2459
RPS25	12.0628	12.2011	12.2974	12.2135	12.2597	12.0835	12.0385	12.5323	12.2597	11.9903	11.8369	12.0147	11.8493	11.7733	12.1851	12.3273
RPS27	7.76286	7.49816	8.43956	8.59782	7.94154	8.74734	8.87358	9.18179	8.35355	8.83123	8.14058	7.91216	8.68099	7.71993	8.73084	7.67291
RPS27A	7.10409	7.66647	7.22752	7.42635	7.67681	8.04765	8.75045	8.30207	7.64917	7.41939	7.23475	7.70859	7.7017	7.76765	7.59121	7.93484
RPS27L	8.28261	8.93865	8.45057	8.34556	8.88693	8.3171	9.00325	9.12731	8.86357	9.51037	8.83478	8.19619	9.46135	8.21907	8.50367	8.65638
RPS28	7.93138	8.59839	7.8431	7.9532	7.7273	7.67932	8.47465	8.35838	7.81359	8.05925	7.52923	8.31214	8.3171	8.56923	8.22674	8.24933
RPS29	9.70398	9.82232	9.64485	9.87044	9.31511	9.39808	9.49437	9.76707	8.90934	10.2628	8.3093	8.96335	8.77241	8.94345	9.36057	8.80081
RPS3	12.6407	12.7845	12.6407	12.7548	12.9525	12.8527	12.5715	12.1851	12.5041	12.2974	12.7845	12.8186	12.6625	12.8186	12.5511	12.7845
RPS4X	12.3939	12.6201	12.3939	12.6076	12.5323	12.4376	12.5511	12.6201	12.5511	12.3111	12.0628	12.2456	12.468	12.6076	12.6076	12.4159
RPS4Y1	11.4758	11.565	10.6494	5.23593	11.1909	11.1527	11.25	10.9018	11.0289	10.8206	10.9018	10.9797	6.08846	10.4698	11.2015	9.66572
RPS5	11.7562	11.8738	11.1496	11.8738	12.1026	11.9804	11.4758	11.297	11.0825	11.565	11.3246	12.2011	11.9804	12.2366	11.6759	12.2135
RPS6	10.8621	10.8255	10.0868	10.7518	10.0495	10.7178	10.0667	10.8808	10.3343	10.8356	10.1781	10.5225	10.269	10.3951	10.2527	10.1211
RPS6KA1	7.89062	8.47282	7.34834	7.61668	7.46529	7.29733	7.38979	8.03911	7.70698	7.35231	7.65437	7.86445	7.8431	8.17146	7.25138	7.629
RPS6KA2	7.94631	7.67333	7.85248	7.73665	6.94714	7.64701	6.85063	7.60818	7.96537	8.05612	7.36274	7.39559	7.31853	6.87509	7.47282	7.58828
RPS6KA2	5.2904	5.26171	6.95493	6.94344	6.13735	5.46179	6.84326	6.01489	6.08246	6.39317	5.14516	6.08191	6.73533	6.34758	5.74427	6.92116
RPS6KA3	7.57707	8.36919	8.27775	8.35699	8.53406	8.06572	8.71077	8.21355	8.43012	7.9532	8.80034	7.87198	7.57891	7.51588	8.13008	8.47465
RPS6KA4	4.59852	4.66526	5.03019	4.25355	4.6209	5.39933	5.70279	5.12426	5.0963	4.73675	5.45391	4.92321	4.95342	4.96712	4.24557	4.02752
RPS6KA5	5.38475	4.83092	5.56338	5.23193	5.85803	4.6779	3.90886	5.30337	5.59408	5.59343	5.13175	4.16421	5.74555	5.67026	5.5975	5.24136
RPS6KA6	5.04584	4.44022	4.57686	4.62003	5.42053	4.88639	5.73024	4.7519	4.68857	5.155	4.69896	3.44491	3.89749	5.59343	5.45233	4.07595
RPS6KB1	6.41345	6.70673	6.86735	6.63967	7.57314	6.687	6.83019	6.73147	6.87959	6.75786	7.18124	6.57865	6.89817	6.47846	6.70618	6.90567
RPS6KB2	6.37105	7.2025	6.73791	6.30863	6.77286	7.31992	7.0888	6.81728	7.30694	7.03941	7.7049	8.10936	7.29595	6.97709	6.96135	7.09223
RPS6KC1	7.99684	7.53552	8.04873	7.38189	8.60131	8.18097	8.15536	7.98132	8.1398	8.56923	8.45023	6.95533	7.05285	8.217	7.26681	7.9514
RPS6KL1	2.21029	2.31976	3.22117	3.10053	1.80599	2.07394	3.45602	3.45352	2.39727	4.63184	2.41572	4.28615	2.13674	3.36587	1.81049	3.37025
RPS7	10.8668	11.2324	10.9503	11.3587	11.25	11.2154	10.6686	10.9679	10.8755	10.9797	10.6351	10.9636	11.4272	11.4504	11.0289	11.2398
RPS8	2.77283	5.48547	4.9112	3.54894	5.28718	3.04945	6.29614	5.63833	3.42477	6.27933	5.08811	6.31925	4.85376	5.00109	3.35152	6.19705
RPS9	9.99098	10.5711	10.46	10.0495	10.1781	9.6193	9.00855	8.65141	9.27414	10.1981	9.06178	9.85721	9.36239	10.298	9.01248	9.78849
RPTN	2.94778	3.13884	2.42383	2.22193	2.47594	1.4697	3.0573	2.58708	1.32709	1.87612	2.6113	3.75239	4.26368	1.78331	2.10058	3.38208
RPTOR	4.38384	4.44401	3.9636	4.57486	4.44183	4.66791	6.07864	4.67009	5.06749	4.92142	4.83353	4.63689	4.17756	5.58961	4.51056	4.1998
RPUSD1	5.8509	5.25098	4.29709	4.99227	6.38048	6.50096	6.37128	5.71377	5.69444	4.10188	5.8864	7.01426	6.57527	6.93693	6.03179	6.84955
RPUSD2	7.28741	7.19354	6.08253	6.98274	7.39951	7.4092	5.23329	6.91137	7.70564	6.86998	7.34509	7.33265	7.20937	7.70349	7.19745	7.34178
RPUSD3	6.10182	6.07584	5.60443	5.50787	5.38841	5.28942	5.78073	5.85187	5.55587	5.41634	5.71924	5.87377	5.35145	5.70687	4.95791	5.92663
RPUSD4	8.27775	8.31193	7.94829	7.41748	8.38186	7.85599	6.81021	9.13692	8.07912	7.21462	8.26602	8.16872	8.66851	7.84852	7.81549	8.43133
RQCD1	5.21576	5.62753	5.69224	5.46277	5.11999	5.82554	5.13901	5.93703	5.5306	5.44364	6.20252	5.90328	5.95579	5.95207	5.97036	5.8678
RRAD	7.26516	6.41532	4.85406	6.64633	4.03129	4.66919	3.75335	4.06652	5.26131	4.06264	5.21788	6.05846	4.1934	4.53	4.43114	4.50716

RRAGA	9.20282	8.64803	8.94713	9.26363	9.0751	8.68624	8.31371	8.83206	8.79141	9.4421	8.6757	9.02285	8.41487	8.51568	8.71651	8.92473
RRAGB	2.96659	3.92591	3.31271	5.5845	5.12769	5.29571	4.80326	5.07511	5.03513	5.94782	5.50891	5.32774	3.84364	2.62575	5.29437	3.27231
RRAGC	7.8025	7.8917	7.60146	7.68599	7.56421	6.79723	7.5431	8.14551	8.37315	6.54549	8.0757	7.78475	8.17633	7.18439	7.59235	6.84156
RRAGD	7.37813	7.17328	7.15323	7.42093	7.21934	6.5377	6.12624	6.45463	7.77507	8.72673	7.63902	7.14746	7.50184	5.88826	7.16285	7.31963
RRAS	6.82737	7.50244	7.39133	7.56252	6.49835	7.40169	6.62448	7.2181	6.41511	7.30705	7.49773	8.01992	7.61901	7.86742	6.28422	7.09901
RRAS2	5.84122	6.2594	5.60235	5.76403	6.75635	5.9871	5.73937	5.51629	6.13534	5.82012	7.10709	5.46664	5.95527	5.80008	5.72269	6.47846
RRBP1	4.90711	4.82694	4.73921	4.61514	4.51459	4.4838	4.03261	4.34574	5.01176	5.12987	5.16743	5.63587	4.65418	4.68891	4.68191	4.5207
RREB1	5.97056	5.8345	5.92786	5.61082	5.59041	5.47407	5.932	5.67544	5.38391	5.4498	5.37627	5.4439	5.65354	5.79452	5.89092	5.72464
RRH	3.97	6.20144	4.06126	5.19529	5.38528	3.81413	5.47072	3.19037	5.04912	3.66644	5.20037	4.86421	5.59525	4.87894	4.96683	4.48935
RRM1	7.38424	7.83226	7.2117	7.32884	7.55846	7.96537	8.51853	8.13334	8.78314	7.36526	8.01193	7.79072	8.09739	8.00305	7.689	8.04077
RRM2	8.2233	9.81607	8.42298	7.88588	9.53788	9.4722	10.7755	10.5276	9.41373	6.15798	11.0928	9.45199	10.4778	9.82707	10.0029	10.7876
RRM2B	8.65698	8.16838	8.36651	8.46025	8.82696	8.13908	8.65576	7.82061	8.09491	8.51477	8.47465	7.47187	8.63969	8.59487	8.99433	9.17193
RRN3	6.95167	7.08843	7.43046	7.10725	8.78708	7.46725	6.46685	6.57417	6.95872	7.21373	8.00348	7.20391	7.07077	7.54151	8.35203	7.73161
RRN3P1	5.42482	5.09722	4.00429	5.37804	6.0966	5.0694	4.71298	5.14307	5.39736	4.78257	5.7379	5.60533	4.86994	5.30102	5.63003	5.41737
RRN3P2	5.54724	5.77073	6.29572	4.72375	6.49429	5.31609	5.16332	6.4299	6.59326	5.34336	6.84076	5.8373	5.86066	5.50069	5.47388	6.475
RRN3P3	5.92269	6.46131	6.40117	6.40363	6.23636	6.26222	6.49506	6.17362	6.818	6.53433	6.50281	5.57026	3.30026	6.07813	6.5943	5.89474
RRNAD1	6.87143	6.14304	6.86122	6.7756	6.96882	7.04107	7.22727	7.37319	7.11246	7.01856	6.75482	7.26483	6.96438	6.89454	6.46304	6.87697
RRP1	7.77962	7.76045	7.98921	7.2924	7.64985	7.77186	7.86622	7.95413	7.54861	7.62638	7.48739	8.03074	7.48101	8.16657	7.36846	7.82492
RRP12	6.80489	6.64563	6.83319	6.53395	6.56163	6.5877	7.13557	6.84076	6.44429	6.6373	6.81119	6.54354	6.57748	7.26072	6.7821	6.75972
RRP15	6.67595	7.36492	5.86708	7.42526	7.93216	7.41461	7.79551	5.84922	6.12523	6.58326	7.92068	6.81474	7.51042	7.28432	7.92001	8.11669
RRP1B	7.90401	8.30008	8.4612	7.98651	7.7028	8.08518	8.24933	8.24933	8.30791	8.66383	8.35311	8.49332	8.34233	7.31362	8.04634	8.19104
RRP36	7.31963	7.15669	7.55335	7.70836	7.61366	7.65295	8.1843	7.75576	7.45051	7.16382	7.51279	7.63101	7.5598	8.15735	8.04125	7.42833
RRP7A	6.57468	5.74014	5.27941	4.58199	6.34726	5.75395	6.23179	4.57516	4.66938	5.4597	7.5453	6.48757	5.16763	6.50885	4.64341	6.82125
RRP8	5.77186	6.30958	5.71939	6.42743	6.6174	6.55759	6.0519	6.86887	6.78137	6.02713	5.79553	6.59326	6.00192	5.8117	6.57832	6.84402
RRP9	6.4399	6.18041	4.27544	5.9313	6.68426	6.30551	7.50832	5.85064	5.20828	5.68695	7.16525	7.31075	6.91213	7.0755	6.46975	7.15506
RRS1	8.30299	8.04212	8.46536	9.09718	8.39821	9.27986	8.96335	9.34186	8.26432	8.28626	8.74734	8.97054	8.45287	8.40189	8.27019	8.43264
RRS1-AS	1.92303	1.91586	2.04684	2.72117	1.64332	1.90997	1.43866	0.27064	2.18568	1.43866	1.87674	2.34474	1.7762	2.18939	1.40126	1.37509
RS1	5.00238	4.56504	5.22765	3.67122	4.60034	4.54221	5.54389	5.80605	5.57669	4.02634	4.32015	3.30762	4.42997	5.0187	4.57757	5.40071
RSAD1	7.8948	7.9141	7.86174	8.04566	8.15189	7.19897	8.3014	8.87415	8.08992	8.04543	7.96571	8.1498	7.99684	7.94524	7.90962	7.69258
RSAD2	7.47109	7.51436	8.52332	7.18675	8.66327	6.94242	8.50217	9.90936	8.11037	6.76807	9.6967	7.92068	7.99636	7.91603	8.2507	8.64201
RSBN1	7.44259	7.27843	7.34333	7.69422	6.16713	7.60929	7.17043	6.3267	7.13865	7.02487	6.90322	7.01816	7.34016	6.72166	6.9035	6.7566
RSBN1L	6.89041	5.54389	5.69697	5.92308	5.88006	6.80197	5.7174	5.8311	6.70933	5.79898	5.74926	5.29458	5.6892	5.74899	7.1002	6.52754
RSF1	6.92524	6.50796	6.84907	6.95289	6.94344	7.41632	7.0977	6.09592	6.66605	6.44292	6.30523	6.82876	6.49283	7.14258	6.67073	6.66911
RSG1	5.88152	5.87229	5.36229	5.58748	5.61979	5.95773	5.52965	5.80526	5.92433	6.24105	5.07153	5.99268	5.12131	6.54549	5.36141	2.88113
RSL1D1	6.3768	5.67953	5.62788	6.54628	6.16376	6.23179	5.43864	5.76673	5.48864	6.14728	6.0189	5.59779	6.47083	7.19246	6.23931	6.40514

RSL24D1	9.43871	9.89582	10.0245	10.1581	10.4068	9.97929	9.83281	10.3074	9.43496	9.83281	9.73529	9.50044	10.3741	9.77645	10.0495	10.5313
RSPH1	12.0258	10.0667	7.80984	11.6449	7.30238	8.459	6.56076	7.94485	9.55947	6.53737	4.24944	9.24816	6.49365	7.88778	7.38024	5.38669
RSPH3	7.92948	7.35212	7.40581	7.62176	6.50447	6.80432	7.06455	6.29614	7.00204	7.40123	6.45376	6.90842	6.44872	7.31561	7.23414	5.42977
RSPH4A	8.51084	7.07685	4.42144	8.19393	5.75084	5.6174	5.94351	4.97563	5.51676	5.13703	2.93839	5.41625	5.05022	4.97045	4.18051	4.79956
RSPH6A	3.48571	5.16804	4.04694	5.00785	4.07562	5.582	4.25853	6.61469	3.6241	5.33111	3.88263	3.98346	4.13938	3.27909	3.27847	5.14155
RSPH9	9.52795	8.11421	6.06384	8.83871	5.88125	5.91704	5.10831	5.72395	6.75235	3.78199	5.26083	7.26483	3.28382	3.26302	6.56768	3.92452
RSPO1	6.11493	6.10884	4.15658	6.79474	4.32613	7.10122	4.15069	6.52664	4.61934	5.50973	4.74589	6.55313	5.2285	5.13618	5.25098	6.19381
RSPO2	2.00108	1.88256	1.26539	1.63196	0.05171	1.68859	1.03884	-0.3067	0.36087	1.69907	6.29734	2.07548	0.76448	0.8165	0.88665	2.28681
RSPO3	6.26612	5.8404	7.2582	5.4066	6.86138	6.33191	6.61048	7.23174	6.23669	8.5744	7.30494	5.61554	6.34146	7.05818	6.21888	6.69403
RSPO4	6.32883	5.39366	6.83078	6.56837	5.31915	6.72968	5.69946	5.0677	6.71186	6.20038	4.50609	5.50419	5.67071	6.17946	3.43307	6.11877
RSPRY1	8.24425	8.1881	7.9954	7.9697	8.00533	7.75127	7.79231	8.47869	8.33334	8.13277	7.99684	7.80919	8.29809	8.08258	7.96335	8.49143
RSRC1	5.79697	5.89788	6.12018	5.70072	6.17248	5.89027	6.88166	6.3538	5.94871	5.60298	5.74912	5.66899	6.28468	6.16248	6.20708	6.58303
RSRC2	7.85599	7.76969	7.97435	8.04765	8.36439	8.08808	8.24481	8.17252	7.96038	7.99984	7.96656	8.06417	8.56923	8.06455	8.12977	7.96217
RSU1	6.00238	6.38382	6.46565	7.04923	5.83411	6.55009	6.90423	6.65971	5.98436	6.64035	6.51189	5.96245	6.47297	6.11714	5.56236	6.42415
RSU1P2	3.66515	5.37862	5.12281	4.1714	4.43596	4.50716	4.71215	4.54391	4.96785	4.73865	3.82197	4.62263	3.84953	5.10517	4.66033	5.40426
RTBDN	5.70016	6.66476	6.64348	6.53163	5.15954	6.35351	5.47996	5.7457	7.03517	5.89084	4.54346	5.97084	6.58204	4.57214	5.71939	4.49326
RTCA	7.13187	7.22326	7.66483	7.61565	7.99279	7.56278	8.20643	7.60335	7.58461	7.322	7.33255	7.02487	7.79159	7.31992	7.34967	7.74136
RTCB	9.56208	9.94907	9.34108	9.47426	10.5573	9.74393	11.008	10.8383	10.0245	9.65256	9.64485	9.87278	9.7543	11.2324	10.0245	9.90298
RTDR1	6.73608	4.9939	3.08274	5.70543	3.29908	2.69081	3.01908	3.09945	4.41114	2.70769	2.55293	3.40051	3.29115	4.2476	3.0573	2.87864
RTEL1	6.97213	7.15958	5.98219	6.13469	6.45116	6.37253	6.66134	6.84939	6.95513	5.5545	6.6623	7.52366	6.88035	6.76829	5.9804	6.48757
RTF1	6.3021	6.5777	6.6623	6.55657	7.28084	6.96616	6.91987	7.01098	7.12205	6.80649	6.98553	7.33565	6.93247	6.8956	7.25345	7.10409
RTFDC1	7.35884	7.67745	7.49794	7.40742	7.42749	7.58702	6.95429	7.91964	7.55303	7.39133	7.94201	7.55335	7.45295	7.35571	7.383	7.66453
RTKN	3.41818	3.26373	3.7273	3.50907	4.5207	3.71916	5.06404	4.81066	4.64638	4.95899	4.196	3.53272	4.81196	5.07913	3.95509	4.30608
RTKN2	3.974	4.74782	4.2959	4.43979	5.48041	5.33258	5.22468	4.86331	4.96673	3.04271	4.18908	4.84606	3.72958	4.82364	4.94172	4.66076
RTN1	7.10887	6.78913	7.71463	8.12233	7.33233	7.52561	6.82158	6.42365	7.13591	8.72446	7.22695	6.87781	6.50752	5.68283	7.83011	6.81431
RTN2	5.84212	5.10961	4.78336	5.16804	5.38679	4.40839	4.86073	3.3365	4.53621	6.31668	5.19203	5.53079	6.53241	4.8249	5.49265	4.96159
RTN3	8.7622	8.73084	8.18689	7.92598	7.88701	7.5342	7.35432	7.20038	7.86096	9.31511	8.54777	8.0296	8.74347	8.36393	8.24208	8.40792
RTN4	9.09834	8.83871	9.42873	9.03623	8.9171	9.31971	9.54485	8.81366	9.23319	9.59677	9.2111	8.6025	8.95696	8.43072	8.95046	8.84953
RTN4IP1	6.30457	6.27623	5.88349	6.74019	6.91829	5.88734	6.44275	6.5917	6.85903	6.61013	7.17635	6.40514	6.4813	6.83535	6.87959	7.36211
RTN4R	4.29421	3.38769	3.54384	2.93958	3.22566	4.00784	6.30868	2.8638	4.49404	4.05738	3.55809	5.56476	3.67703	3.21424	5.2002	3.38208
RTN4RL1	5.56126	5.74682	4.07777	5.8181	6.88409	6.5777	6.4577	6.28503	5.77414	6.29245	5.0759	4.83368	5.47935	6.73391	6.55911	6.15937
RTN4RL2	1.50761	1.22235	1.32681	1.444	2.47594	1.19537	1.63196	1.79233	1.98342	0.93298	1.63512	1.122	2.31554	1.27177	1.1668	0.9979
RTP1	4.40483	3.3722	4.06438	2.82062	3.30026	4.21305	4.43223	4.22534	3.12819	3.40822	3.89634	3.04983	3.64955	4.38474	3.58197	3.25646
RTP3	3.40212	3.79318	3.7462	4.00461	3.95167	3.9791	4.93339	4.59974	4.92134	3.96405	3.30026	5.0435	3.88863	4.71878	4.11235	3.69848
RTP4	8.24077	8.10936	9.05644	8.26535	8.64417	8.07825	8.49302	9.01679	8.83547	6.67555	8.46832	7.98789	8.72123	7.68075	8.20748	7.92556

RTP5	4.09491	3.52573	4.05393	3.73945	3.49824	3.52398	4.20319	4.03916	4.09292	3.95892	3.85459	4.06571	3.9262	4.15245	4.03892	3.23061
RTTN	5.11873	5.18	4.85358	5.36481	5.54631	5.84328	6.19919	5.20073	6.02475	4.664	5.41177	6.00397	6.23856	6.6682	5.64395	5.69505
RUFY1	4.79805	4.9789	5.7373	5.37133	5.99998	5.39962	5.40673	4.81291	5.40477	5.41696	5.4533	6.15699	5.84691	6.21535	6.42694	5.37901
RUFY2	4.0351	3.77565	3.74573	3.88359	3.59587	4.31456	3.69374	4.36139	3.72162	4.03892	4.25238	3.66359	4.43243	3.99755	4.06555	3.59587
RUFY3	6.74803	5.91806	6.54303	6.41627	7.29703	7.46126	5.74686	6.27847	6.73147	6.24558	6.66134	5.79835	6.17008	5.75987	6.23627	6.2577
RUNDC1	6.48536	5.69888	5.97859	6.67287	6.27213	5.77903	6.15329	5.43378	5.72222	5.36928	5.11309	4.65312	5.34359	6.29342	5.59367	5.75522
RUNDC3	3.85037	3.53187	3.14882	3.98391	3.93967	2.8872	2.55373	3.41422	3.64739	4.13219	4.01411	3.07729	3.95025	2.85325	2.48155	2.90014
RUNDC3	5.33026	5.26386	5.10708	6.3794	5.26645	5.27718	5.92913	5.8266	4.12179	6.76368	4.27879	5.25098	2.47594	3.66727	4.81112	4.46469
RUNX1-I	3.86261	2.97605	4.27544	4.48948	3.84331	4.54584	5.55137	3.6374	4.42376	5.57193	3.19795	3.74466	3.73495	4.03667	3.51602	2.7492
RUNX1T	5.12426	4.85212	5.90975	5.07665	5.33582	5.64447	4.86793	5.22658	5.6454	6.0528	5.49323	5.52936	4.7056	5.16743	5.36981	4.96847
RUNX2	4.56877	4.62999	4.34316	4.32214	5.15242	4.65395	6.16644	5.15577	5.01256	4.35216	4.46077	4.53425	5.61784	4.93822	5.52822	4.79228
RUNX3	7.19487	7.52098	7.49816	7.7785	7.42501	7.47555	7.33768	6.75996	7.64985	7.13865	7.1968	7.28212	7.20767	7.82536	7.32123	7.34276
RUSC1	8.44788	8.29485	8.21596	8.11122	8.22729	8.89519	8.54398	8.91873	9.38055	9.0587	8.6233	9.27414	8.18581	8.49849	8.61369	9.07607
RUSC1-A	4.76205	4.90058	4.70503	4.30792	3.95124	4.60364	4.64412	3.85966	4.42144	3.94952	4.46802	4.18485	4.68783	3.73633	4.2106	5.21096
RUSC2	3.99584	4.29638	4.11056	3.53793	5.75909	5.1893	3.98737	4.19473	4.57635	4.89182	4.21854	4.14691	4.0405	4.66808	4.40237	4.1399
RUVBL1	7.83054	5.66603	5.64993	7.34706	7.19745	5.70543	4.008	5.12208	5.1046	4.18447	6.90931	4.71106	4.79774	6.19445	6.36129	7.09178
RUVBL2	6.83262	6.47473	4.7048	6.06561	6.62078	6.70411	6.70561	6.8912	6.96875	5.19512	6.4651	6.60847	6.86703	6.67783	6.4495	5.40872
RWDD1	6.90659	7.56421	7.40994	7.54252	7.2057	7.65979	8.4084	7.75932	6.96309	7.40067	7.56096	6.24612	7.13071	7.36016	7.68518	7.09549
RWDD2A	7.29287	7.02396	7.42589	6.94927	6.92148	6.96694	7.04198	7.41527	7.27221	8.08932	6.51087	7.31596	6.72785	7.07685	7.44137	6.6557
RWDD2B	7.80162	8.49813	7.36545	7.51308	8.2733	8.62373	8.33525	9.49286	8.37003	8.36277	8.03012	8.67057	8.8583	8.58018	8.79361	9.02178
RWDD3	7.5219	7.74368	8.06948	8.3979	8.24601	8.33093	7.74678	7.57994	7.46517	7.68234	7.47512	8.17578	7.97532	7.11075	7.66901	7.5477
RWDD4	9.39265	9.10897	8.94345	8.65312	9.46371	9.50874	9.24021	9.6967	8.89192	9.38055	8.76514	8.62066	9.35525	9.43324	9.76458	9.58421
RXFP1	2.84291	3.63476	4.0497	3.72436	3.86205	3.16504	3.41453	3.12278	3.12278	2.40577	4.44022	3.83088	4.14617	3.7382	4.11091	2.58708
RXFP2	3.26635	4.22688	5.10579	6.85409	3.75099	6.29331	6.39759	4.66254	6.40196	6.20299	6.0207	4.4613	6.88799	5.60866	4.55074	6.42478
RXFP3	0.90643	0.79	1.70381	0.47227	1.26539	0.89896	1.43866	1.44837	1.76451	1.43866	1.74872	1.19537	1.53958	1.59381	1.22113	1.70353
RXRA	8.08406	7.64185	7.63463	7.98356	7.131	7.7389	7.51829	7.72596	7.46926	7.69659	7.7249	7.93087	7.60335	8.36919	7.34276	7.10605
RXRB	5.20742	4.64412	5.78774	4.72987	4.90154	5.04565	5.12603	4.87464	4.94577	5.1853	4.93071	4.95657	5.26074	5.0543	4.99636	4.91924
RXRG	3.11441	2.26456	2.86268	5.36331	2.53024	2.45459	3.44209	3.86842	2.64558	3.58913	2.8192	4.03129	2.13674	4.31831	4.19275	3.16144
RYBP	7.33872	7.55694	7.81302	7.71915	6.89173	7.47527	7.63902	7.35432	7.17129	7.1078	7.23877	7.10941	6.94396	7.67591	7.22925	7.59795
RYK	6.28086	6.404	6.73545	6.57255	6.7359	6.81917	6.55737	6.5898	5.86281	6.71062	5.85168	6.8956	7.00656	6.35231	6.61445	7.10208
RYR1	2.13523	2.29438	2.48448	2.22193	2.2597	2.21366	2.20014	1.99703	2.35886	2.23712	2.15913	2.31832	2.13674	2.22838	1.85273	2.15094
RYR2	3.72912	2.81892	3.44955	2.70652	2.9333	3.35919	5.66181	2.28541	3.61465	3.8854	3.94431	2.49856	4.20465	3.94028	3.50591	5.41267
RYR3	6.88201	5.33296	4.46262	4.02962	6.87122	4.7822	7.10858	6.22394	5.71676	5.49998	4.32438	5.49001	3.07124	7.83068	6.57691	4.82631
S100A1	3.87518	5.91306	5.70887	4.23832	4.42161	5.58889	4.28532	5.58335	5.49113	6.23931	4.57799	4.59609	5.38375	4.52704	4.88139	4.25148
S100A10	7.81534	7.66888	7.19639	8.17853	7.57023	7.1371	7.66053	7.78475	7.27047	7.43769	8.57292	7.65946	7.20402	7.43085	7.91508	6.85101

S100A11	7.88701	8.09011	7.37897	8.76627	7.99167	9.00781	9.4206	8.32303	9.13351	7.62715	9.27414	5.46517	8.35496	8.82218	9.23779	8.02825
S100A12	2.72538	2.93032	3.28947	4.62434	2.63482	2.24655	2.56625	5.12208	5.62571	2.75002	7.94154	2.15748	6.48199	1.92414	5.2229	2.84751
S100A13	7.40328	6.95472	6.13292	6.80131	6.51208	6.16004	6.54488	6.00397	6.88573	5.65169	6.89693	6.33105	6.31957	6.56901	6.3829	6.81566
S100A14	9.29509	9.45133	8.95283	8.42706	9.41736	9.29827	9.37098	8.98061	8.90238	9.23192	10.8668	9.74393	8.62832	11.008	10.2496	9.79789
S100A16	9.95833	10.3269	9.38644	9.16963	9.57352	9.7568	10.1365	10.2084	10.5954	10.0342	10.7652	10.2459	9.64485	9.88929	9.94645	10.3157
S100A2	12.3273	12.2974	10.0778	11.3436	9.15074	12.0628	12.0835	9.73296	10.8297	8.51784	12.8527	10.7105	12.0258	11.2693	10.6854	8.67259
S100A3	5.74003	6.73794	6.04001	3.85758	5.75357	5.77015	5.54772	5.3634	3.8429	5.59977	7.45844	5.33379	4.84193	5.69822	4.84979	3.98976
S100A4	8.57221	9.21885	8.8123	9.33233	8.84058	8.53635	7.93633	8.08867	9.08007	8.53692	10.2318	8.41252	9.69292	8.47825	9.38768	8.25013
S100A5	4.25809	2.23621	3.6244	3.23213	3.64173	4.02752	4.12999	4.00856	3.65431	5.65982	4.01138	3.75239	3.0877	5.79613	2.94685	3.37025
S100A6	8.90524	7.99046	7.87346	7.61764	7.08446	8.40249	7.6443	7.55918	7.82536	8.34789	8.46025	8.19393	7.51761	7.99805	7.93282	7.68737
S100A7	3.06503	4.25266	3.56906	2.67969	3.57987	3.73699	6.62245	6.13354	3.09248	4.95044	7.95572	4.58543	7.00819	3.23061	5.48965	3.35278
S100A7A	5.93434	5.73566	6.04776	5.23078	5.03614	5.58285	5.63203	5.6595	5.27149	5.41963	5.41267	5.94472	5.96919	5.31079	6.37898	5.83989
S100A8	4.5681	7.95275	5.7207	4.6921	5.09612	5.13711	8.71563	8.33874	8.01278	4.43031	8.89725	4.73761	9.34263	4.80155	6.52681	5.29163
S100A9	6.7396	9.66727	7.38443	6.20878	5.97935	3.18781	7.24395	6.87418	9.95652	5.76009	12.1026	6.05484	10.7596	5.65251	7.35932	5.99097
S100B	1.9817	3.63421	3.43713	2.731	1.576	3.00027	2.80802	2.33881	3.23977	5.11909	1.68921	3.02447	4.90154	3.80166	5.07775	2.50603
S100G	4.54741	5.08479	2.53621	2.81334	4.22631	4.56925	2.39011	3.61778	4.39183	4.9891	2.98436	2.95936	4.12996	3.3814	3.60386	3.27231
S100P	11.1093	11.118	9.99282	9.66375	8.36563	7.60416	8.00205	8.28037	9.74393	8.35528	9.92959	8.09908	6.67407	7.3395	6.1584	7.39546
S100PBP	7.41204	8.01042	8.45546	7.22752	8.37038	7.4156	8.12782	8.35203	8.18359	7.02275	7.93251	8.07048	7.65533	7.65344	8.56997	7.4416
S100Z	4.91054	5.62378	5.79533	5.31156	4.21316	5.01511	5.0047	5.59425	5.42868	4.50434	6.02659	5.30548	4.95465	4.89098	4.86178	4.65128
S1PR1	6.22381	6.40057	7.56278	7.48663	7.38917	7.83101	5.60753	7.11951	6.63155	6.49618	7.04375	7.34263	6.45075	5.90889	6.78245	6.80461
S1PR2	4.31871	4.64535	4.49757	4.05738	4.70611	4.74782	5.19361	5.58265	5.65057	4.96847	4.72447	6.14859	5.55223	4.4394	4.60738	5.65114
S1PR3	4.07739	4.76219	5.01689	4.79719	5.43076	5.40317	4.92341	5.23042	4.63956	4.51825	5.07665	5.07619	4.84626	4.44653	4.81549	5.71377
S1PR4	6.95784	7.90604	6.84306	7.3725	6.14124	6.88523	5.83954	5.75271	7.21241	5.21721	7.52821	8.62685	7.28227	6.17468	7.19745	6.42997
S1PR5	3.53071	3.20944	3.81063	3.5519	4.2931	3.70377	4.33276	3.8455	3.55069	3.32081	3.38369	3.69908	3.5644	4.23968	3.81102	3.56769
SAA3P	4.4643	5.91749	5.12092	4.11572	3.73869	4.87602	5.35053	4.00856	6.36267	5.1154	4.72569	3.483	4.36086	4.77727	4.54565	3.89582
SAAL1	6.6466	7.54594	6.87735	7.39425	7.81302	6.89843	7.54204	7.08805	7.18439	7.50104	7.73284	7.23377	7.74589	7.71233	7.80837	7.71824
SAC3D1	6.74418	7.99096	4.71654	4.88936	8.38448	9.17857	9.17193	8.86269	8.20121	8.02678	8.6025	9.45067	8.91676	9.28645	8.39024	8.18689
SACM1L	9.34547	9.55602	10.1277	9.7059	9.7488	9.87831	9.5671	10.2886	10.1813	9.9547	9.90542	9.00325	8.94892	9.36239	9.79359	9.86158
SACS	7.92893	7.96917	8.60157	8.43726	9.1841	8.65073	9.1851	9.25462	8.42344	8.67368	8.94549	8.07849	7.12006	8.30348	9.04127	8.53248
SACS-AS	4.70767	4.96002	4.10752	4.66132	4.46753	4.83492	5.72288	5.10609	4.66168	5.55482	4.3635	4.04458	5.16975	5.96381	4.35917	4.68745
SAE1	6.88035	5.75728	5.32165	6.08682	6.20784	6.13418	6.39896	5.82677	6.07154	5.4703	5.95144	5.7127	5.52281	6.19068	5.8257	5.28592
SAFB	4.81066	5.44733	4.81157	4.4039	5.38078	4.76445	4.49604	5.00891	5.91892	5.29702	5.57483	4.91737	4.42298	4.95456	5.48013	5.25807
SAFB2	5.08271	5.9025	6.08983	6.44984	6.27492	5.91823	6.10779	6.35895	6.54142	5.4497	5.60255	6.19148	6.15329	5.66008	5.93413	6.12774
SAG	4.1934	3.41586	3.69005	3.39777	2.91487	2.03544	5.03203	2.49961	4.65199	3.3263	2.50161	3.10037	4.16937	3.34999	3.01721	2.59102
SAGE1	4.39081	3.25613	2.74259	2.22193	2.91487	3.45096	2.9333	4.67765	3.59405	3.78199	3.7868	3.23711	3.49323	3.27909	3.89112	4.43077

SALL1	2.48854	2.53067	2.79997	4.27004	6.08205	3.9561	4.36192	3.46534	3.41704	3.68869	2.95959	1.28186	2.28447	2.46771	3.59987	1.48782
SALL2	7.80492	7.30433	7.76197	7.84852	7.63682	8.77378	8.19817	8.013	8.23984	8.23984	6.9813	8.10283	8.05562	7.45568	8.11184	7.09595
SALL3	5.15216	4.59728	4.48705	5.16681	4.54926	4.67276	4.25238	5.21013	4.47947	5.24995	5.03997	4.88056	5.47673	4.74829	5.99814	5.01689
SALL4	6.29418	6.11683	7.36617	5.62501	6.74566	6.37006	7.10928	5.85352	6.68462	6.70933	6.35366	6.68938	6.00757	6.86655	6.22039	6.55245
SAMD1	4.83667	4.44205	5.15109	4.45408	4.64669	4.59792	4.5785	4.76569	5.0651	4.67154	5.71612	4.4487	5.04479	4.80528	4.52134	4.9244
SAMD10	5.45483	4.44904	5.65432	4.19514	4.6656	4.83635	5.68993	4.83307	4.65582	4.49377	4.76471	5.0097	5.62362	5.09073	4.9001	4.93366
SAMD11	4.11983	5.06524	4.33416	4.05472	4.31963	4.31657	4.35645	5.43602	4.52011	4.20362	4.17832	6.09492	5.76985	4.30792	4.1596	4.59445
SAMD12	3.96715	3.55219	4.68925	3.391	5.11528	5.89502	7.528	5.33633	4.97988	3.72292	4.35078	5.16659	3.15124	5.72522	3.59361	4.26239
SAMD13	7.51709	6.70439	6.77263	6.85958	6.0536	6.86307	6.98896	7.207	6.50907	7.07159	6.34657	6.95188	6.82858	7.1222	6.64557	7.02532
SAMD14	4.26297	4.12898	4.27968	4.01336	4.01336	3.9751	4.307	4.50587	4.22224	4.02973	4.1555	4.28945	4.40737	4.25792	4.01912	4.38066
SAMD15	4.78444	5.18381	4.06531	4.25735	4.29221	4.56179	4.49983	3.89358	4.65356	4.27723	5.02733	4.23422	4.72967	4.18147	4.49636	4.6969
SAMD3	3.25706	3.90594	5.24175	4.89207	5.42319	4.68646	4.69384	5.17489	4.97556	5.11744	6.06906	6.01401	4.88397	4.57777	4.84558	4.85376
SAMD4A	3.39928	3.79424	4.49454	3.74494	4.35008	4.12015	4.03607	3.51424	4.5224	4.19827	6.01401	4.06326	4.74768	3.81694	3.98737	3.0093
SAMD4B	7.06524	6.52623	7.13293	6.91061	6.55443	6.98472	7.07914	7.15001	6.43458	7.02582	6.61915	6.27756	6.82297	6.61197	7.06893	6.79214
SAMD5	2.90755	4.16172	4.36688	3.70377	2.69944	3.91527	3.30309	4.09367	3.29685	3.6149	2.46886	3.55752	4.14289	3.56983	4.08394	2.33582
SAMD8	6.35103	6.20437	6.71983	6.23393	5.81488	6.59326	5.61993	6.57122	6.15904	6.417	6.3469	6.09425	6.50632	5.80993	6.05863	5.5775
SAMD9	7.49041	7.43085	7.95378	7.30238	8.01856	7.383	6.85409	8.21397	7.69052	6.15904	8.37645	7.31992	7.43226	6.62489	8.12416	7.66602
SAMD9L	6.2383	6.15085	8.00305	6.68585	6.68374	6.42277	5.50079	6.99123	8.03332	5.63371	7.59878	6.36788	7.25476	5.44143	6.58481	7.23391
SAMHD1	8.03074	7.62288	8.16376	7.39737	6.94586	7.78548	7.49794	8.01042	8.03892	6.35027	8.00083	7.24474	6.90974	6.87829	6.61706	6.15629
SAMM50	7.12234	7.2218	7.07111	7.1053	7.24986	7.0461	6.91814	6.41224	6.84461	6.96272	6.95076	6.93659	7.05429	7.10136	6.75209	7.09122
SAMSN1	5.7418	6.86345	6.96309	6.75996	6.51929	6.14115	5.8369	6.82575	6.50605	5.82241	7.27263	6.40363	6.01546	5.83635	6.74577	6.65971
SAP130	7.61132	7.86345	8.87358	7.95543	8.2871	8.13389	8.22781	8.12128	8.54652	8.22001	7.77539	7.65039	7.9931	8.08728	8.67368	7.71265
SAP18	9.21483	8.81664	8.78798	9.49038	8.49813	9.08007	8.94789	8.13968	8.57166	8.78035	8.31119	8.96445	8.12631	8.3899	8.04543	8.24208
SAP30	4.8235	5.58578	4.83644	5.64828	4.72736	5.55482	5.03068	4.77788	4.26862	4.70445	5.68604	6.0071	5.9262	4.88176	5.34698	5.2376
SAP30BP	7.58402	7.2181	7.20767	7.35698	7.57059	7.46862	7.8749	7.96606	7.64388	7.94631	7.2941	7.83323	7.78656	7.59995	7.5305	7.20717
SAP30L	5.12503	4.94005	5.19592	4.23521	5.34179	5.46907	5.3523	5.02185	5.05573	5.02104	5.50359	5.76092	5.6699	5.59616	5.30515	4.88202
SAPCD2	7.38684	7.23459	6.32627	6.92674	7.21508	7.48851	7.53547	6.76303	7.37019	7.41612	7.95615	7.79332	7.05397	7.51436	5.89027	8.02364
SAR1A	6.90705	7.059	7.38139	7.28113	7.12946	7.14114	6.64551	7.93216	7.22399	7.19897	7.94735	7.39338	7.2798	7.15452	7.21477	7.12924
SAR1B	6.85121	6.82648	7.03987	6.68374	6.51571	6.71089	6.4995	6.47159	7.07077	7.07585	6.95773	6.2395	6.77897	6.63421	6.15181	6.41372
SARAF	11.2207	11.0825	11.6449	11.2693	11.3155	10.9679	10.6733	10.9359	11.1434	11.4919	10.6461	11.3034	10.4176	10.5313	10.9118	10.6118
SARDH	3.30564	3.44955	3.86818	3.51074	3.40556	3.42455	3.93408	3.77267	3.28265	4.72417	3.95264	2.89103	3.81727	3.49429	3.52461	3.70161
SARM1	5.73359	5.15683	5.26177	5.35346	4.55715	4.93653	4.64269	4.95474	4.95106	5.36481	4.97	4.53994	4.26185	4.93653	4.18318	4.58043
SARNP	7.93681	7.97582	8.27148	8.16058	7.91216	8.06928	8.58514	8.66724	7.78272	7.03131	8.11688	7.49656	8.76316	8.89896	8.47306	8.06352
SARS	7.18309	7.54861	7.38746	7.20717	7.42093	7.63902	8.184	8.04077	7.48643	7.4234	7.67624	7.36756	7.8222	7.48544	7.55413	7.17129
SARS2	7.44838	6.94544	5.59274	6.26213	7.56648	6.70155	6.7013	7.18623	7.14627	6.94914	7.15926	7.97508	7.24674	7.76072	6.96533	7.18834

SART1	5.70847	6.29614	5.81147	6.15941	5.69427	6.31477	6.48682	5.57644	5.69663	5.77863	6.5777	6.19683	5.72448	6.15904	5.6454	5.68863
SART3	6.05388	6.09307	6.20003	6.39352	5.76339	5.87873	6.54549	5.96577	6.69845	6.1073	6.25446	6.11635	5.68136	6.47043	6.12177	5.81961
SASH1	6.65633	6.52729	7.0576	6.10863	5.52053	6.95333	5.82978	6.7821	7.27163	7.51588	7.04863	6.51534	5.72522	5.90772	6.45975	6.30391
SASH3	7.81384	9.60364	8.70368	9.24484	8.99568	8.55896	7.23993	9.24332	9.11385	7.48951	9.41817	9.49286	8.33093	7.34297	9.01134	8.14451
SASS6	7.55949	7.34016	7.7726	6.85595	8.09695	7.65739	8.70013	8.45141	7.36002	7.58161	8.04077	7.26183	7.97022	6.87431	7.26997	8.09518
SAT1	11.0289	10.9503	11.1093	10.8973	10.2928	11.0417	9.6967	10.3635	11.1225	10.8872	11.2015	10.7876	10.6972	10.0259	10.46	10.163
SAT2	9.68889	9.53788	9.51986	9.32902	8.49504	10.2886	8.95954	9.22423	9.17857	10.1061	8.98206	9.83281	9.01766	9.10357	9.15526	9.08658
SATB1	6.98952	6.05262	7.02379	6.64604	7.21373	7.00096	5.90555	6.08731	5.65844	6.03871	6.80563	5.80739	6.134	6.86587	6.93357	6.76291
SATB2	4.12376	4.70335	4.60697	4.70745	4.81517	5.44119	4.981	4.89233	5.42595	3.97242	5.14611	5.4479	4.94341	4.43832	5.41316	5.73413
SATB2-A	3.6301	3.84757	4.05632	4.01369	2.64524	2.01376	2.68229	2.87786	2.63482	2.83935	3.5384	3.77659	4.10752	4.6439	3.64825	3.72504
SAV1	6.30778	6.4501	5.91	5.67467	5.97368	6.01991	5.5755	5.49464	5.9848	6.42572	6.09276	6.1275	6.23074	4.39335	5.46462	6.16862
SAYSD1	6.29719	7.2488	7.15875	7.03311	7.00172	6.81431	6.29463	6.8731	6.97577	6.61504	6.9705	7.06005	6.8763	6.50306	6.89606	6.01803
SBF1	5.21987	5.29437	5.12193	5.37446	5.29344	5.07446	5.2192	5.29914	4.82671	5.29334	5.65805	4.92653	4.86678	5.23487	4.26515	5.05059
SBF2	6.71127	6.69095	6.79607	5.35171	6.56658	6.78637	6.22685	5.72153	6.30852	6.6682	6.06094	6.0856	5.78483	6.40325	5.61494	5.73904
SBF2-AS	5.12344	4.6673	4.24058	4.89629	6.60701	4.8563	6.13951	5.03203	5.04714	4.30526	4.44183	5.99025	6.39369	6.88354	5.74275	6.90197
SBK1	5.79898	4.95161	5.81858	5.79101	5.15808	7.72445	6.79643	5.83323	5.52702	6.1118	5.09394	6.9634	6.56066	5.88036	6.75806	6.72263
SBNO1	5.59669	6.08176	5.76654	5.52441	5.03472	5.1517	5.61919	5.65114	5.8369	5.65752	5.56484	4.43507	5.45261	5.28765	5.76752	5.15808
SBNO2	5.07559	4.98595	5.67026	5.46851	5.12603	5.42917	5.55021	4.88716	5.34089	5.91431	5.29075	5.97212	5.38226	5.11427	5.60515	5.73855
SBSN	5.26934	5.91306	6.8181	5.61264	6.24827	5.95367	7.3161	6.6117	5.83403	5.95827	9.7337	5.92467	5.53273	6.06328	5.87687	5.90706
SBSPON	5.56538	4.52793	5.87597	5.72846	5.04748	4.75793	5.59274	5.24301	5.7079	7.64872	4.55018	5.80924	5.74957	5.53472	5.11244	5.70049
SC5D	6.10379	6.2401	6.31417	6.34464	6.08351	6.04533	5.06778	5.52538	6.30419	7.36816	6.01754	5.25807	6.60014	5.31468	6.22003	6.43039
SCAF1	4.20928	4.17704	3.72265	3.23213	4.60294	2.99117	4.21561	4.40791	4.03549	3.21812	2.86424	3.64264	3.9262	4.51021	4.83434	4.35197
SCAF11	7.33445	6.75957	7.35212	7.63902	6.87156	7.57314	7.33445	6.85041	7.35004	7.01061	6.70933	7.20937	6.94552	7.54102	7.3721	6.58286
SCAF4	5.41144	5.3543	5.72995	4.58359	5.51275	5.0671	6.19313	5.9165	5.84505	4.92384	5.54182	4.9891	5.1928	5.51756	5.58353	5.85125
SCAF8	8.39024	9.08188	9.26222	8.82487	9.59898	9.1663	9.23032	8.45079	9.31073	8.9396	8.52058	8.16276	8.46329	7.82655	9.06963	8.55623
SCAI	5.53539	5.71586	6.03354	5.12733	7.12292	6.41801	6.14693	5.94472	5.73103	5.48621	5.47877	5.32899	5.52221	6.59787	6.791	6.43385
SCAMP1	6.46401	6.02751	6.22548	6.38617	5.60235	6.04166	6.80448	5.48482	5.50787	6.60204	5.78927	5.53943	6.19907	5.7529	5.56872	6.06799
SCAMP1	5.61312	6.3949	4.25043	6.04001	5.14982	4.39841	5.55517	6.08585	6.35089	6.17178	4.28892	5.70078	6.98373	3.8872	4.64145	6.59992
SCAMP2	7.14258	6.99781	7.14114	7.13865	6.26621	7.45568	7.66991	6.4483	7.1559	7.43046	6.95057	6.29363	6.39257	6.57618	7.17515	7.06673
SCAMP3	9.21392	9.15977	9.35952	8.898	8.83436	9.26004	9.11184	8.81989	9.5431	9.40143	9.34547	9.92065	9.01248	9.53098	9.55257	9.58716
SCAMP4	5.50521	5.1842	5.36285	6.1336	4.77206	5.00374	4.89773	4.93921	5.23003	5.23646	5.40727	5.51713	4.97034	5.67812	5.07061	4.83606
SCAMP5	5.18461	5.69118	4.77676	6.02426	6.06598	4.92151	5.90531	6.24994	5.43076	5.85731	5.81194	4.88534	6.11865	5.01527	6.2673	5.76704
SCAMPE	5.36009	5.08129	4.23911	5.12882	3.78235	3.49365	5.1554	4.38366	3.09248	4.31978	5.74268	5.98264	5.06106	3.7466	5.12829	3.82034
SCAND1	9.06063	8.92733	8.40648	8.65073	7.53993	8.01689	7.4234	7.81607	8.09031	8.57988	8.26942	9.1574	8.73001	8.29921	7.43279	8.20021
SCAND2	4.04793	4.02938	4.51664	4.59806	4.53544	3.8488	4.77579	4.47148	4.63841	4.46146	4.14477	4.43077	4.16643	3.65514	4.78336	4.61181

SCAP	8.81055	8.53799	7.84068	7.96074	7.90928	8.10716	7.689	7.53803	7.68518	7.78045	8.16319	8.55202	7.86145	8.02431	8.16276	8.45232
SCAPER	6.12998	5.07507	5.91215	6.39014	6.32405	6.23883	6.60033	5.93103	5.98083	6.19263	6.14874	6.27556	5.45313	5.53215	6.51148	6.05165
SCARA3	6.33199	6.41737	6.14705	6.22059	5.75171	5.8178	6.99511	5.75528	5.68203	6.48848	5.859	5.35918	4.88503	7.24701	4.90131	4.45668
SCARA5	4.91905	4.02452	4.46997	4.43243	3.10068	4.1611	3.09332	4.68671	4.03198	6.19282	4.44979	3.98617	3.15051	4.19874	5.09772	2.66714
SCARB1	4.71717	4.99162	4.08122	4.57635	4.49578	4.73341	3.69577	4.75137	4.90027	4.8242	4.85406	4.35788	5.16049	4.7638	3.96188	4.92917
SCARB2	7.51623	6.93816	7.89362	7.45093	7.24063	7.75735	7.27573	7.48739	7.69724	7.53761	7.92317	7.00638	6.98295	7.93484	7.52074	6.96309
SCARF1	5.79382	5.6878	5.88585	6.07116	5.87114	6.09307	5.59856	6.18773	5.89914	4.99102	6.73709	5.75747	5.60113	5.2212	6.52429	5.78904
SCARF2	4.53581	4.1603	4.55792	4.27689	4.17338	4.27004	3.75611	4.70407	4.77096	5.29643	3.42592	4.59852	3.77904	4.69294	4.32291	3.42369
SCARNA	7.8321	7.56995	8.33571	8.27087	7.85896	8.39244	8.30556	8.48329	7.8616	8.43726	7.94682	8.43012	7.42791	7.91099	8.13058	8.43886
SCARNA	5.5803	4.87671	4.87909	5.90124	5.02134	4.82194	6.67644	5.17831	5.49365	5.11002	5.90526	5.52528	5.75502	4.60279	3.04901	5.05502
SCARNA	5.24859	3.57431	5.09503	5.87754	5.11124	5.34499	3.53968	5.06322	4.93727	3.05259	5.44563	2.76999	6.03398	5.43004	5.63274	5.3575
SCART1	7.70099	7.66915	7.17486	7.58033	7.1859	7.61626	7.27186	7.55989	7.55544	7.93657	7.09303	7.79044	7.09403	7.41075	7.00077	7.54069
SCCPDH	8.58691	7.51588	7.61336	7.86658	7.91731	6.08478	5.27249	6.49752	6.566	7.80998	7.73627	7.12084	7.19309	7.22574	6.89627	8.48329
SCD	4.46879	4.09292	4.02774	4.11874	4.95945	3.95924	4.03485	4.92674	4.81708	4.40595	5.324	4.49209	4.85914	4.13924	5.04222	5.16743
SCD5	5.14209	4.76445	5.05601	4.81915	5.97118	5.77613	5.66519	5.1794	5.01217	5.56646	5.2818	5.61662	5.54219	5.97235	6.15721	5.90179
SCEL	2.29306	2.96978	2.64524	1.31399	1.0625	2.32175	4.12453	3.52632	2.66175	4.87334	5.2021	1.65894	2.63719	1.86836	3.0877	2.13712
SCFD1	5.36254	5.35566	7.19222	6.26621	6.67853	5.6866	6.28	7.15716	6.04611	5.68058	6.72304	5.31323	4.83353	5.94198	5.95685	6.47704
SCFD2	7.33347	7.33255	7.43659	7.30569	7.33163	7.47714	7.61999	7.55589	7.18095	7.5453	7.12714	7.22985	7.02299	7.13144	7.45093	7.17328
SCG2	4.17798	5.45365	5.60592	6.30863	5.22539	5.17449	5.38812	3.15288	4.57006	5.34336	5.66075	3.66815	3.05227	4.6285	4.22871	4.62964
SCG3	5.0773	4.19998	4.50237	4.11572	5.76569	3.73699	3.93793	5.23907	4.79613	4.58996	4.62733	3.76552	1.97096	4.11853	5.4513	4.94996
SCG5	4.75238	6.07188	5.95187	6.33608	6.25719	6.27668	6.4978	6.94256	6.05841	5.24505	6.54142	5.18461	5.43241	5.79936	6.44775	6.48947
SCGB1A	12.3743	11.4604	5.20327	11.712	6.15893	8.39758	3.47278	7.059	7.65639	6.62647	5.48792	10.4209	3.80685	8.65949	4.54034	5.00386
SCGB1D	2.23882	1.35876	1.88755	3.00618	2.97095	2.72526	4.92724	4.15015	2.93758	3.05259	3.03593	1.3666	4.65932	3.01384	3.04901	1.51008
SCGB1D2	1.87757	2.36797	2.29132	2.1445	2.39414	2.74824	3.23578	3.29115	2.76258	2.69205	2.50161	3.3015	4.86826	2.59761	2.07498	3.48415
SCGB2A	9.43764	6.78172	5.21903	7.86786	5.1722	5.7804	6.64772	5.6453	6.54247	6.87431	3.33935	6.04035	5.56929	5.69822	4.79462	5.13183
SCGB2A2	3.86261	4.96244	4.54034	5.59384	4.82932	4.79793	3.23578	5.38422	5.28311	6.47261	5.44215	4.542	5.88189	5.46695	4.74768	5.54772
SCGB2B2	3.94748	5.04627	4.74575	5.34551	3.22566	3.49365	2.98815	5.25678	4.43996	3.34275	4.33776	5.05314	3.44604	5.28258	6.20404	5.09318
SCGB3A	11.7002	10.0245	9.69292	9.46022	5.89512	6.55623	7.14716	5.60903	6.77204	12.7845	6.99203	8.37711	6.82858	7.29944	6.80371	7.35004
SCGB3A2	1.92303	3.82382	1.59211	2.03633	2.50418	2.15563	2.20014	3.41422	2.07939	4.79376	3.08532	3.49365	3.03764	2.41572	3.13607	2.07548
SCGN	3.87518	6.05999	6.28592	4.97617	4.14049	4.4649	5.75951	5.07511	4.41574	7.52671	5.98336	4.03926	4.11284	5.21468	4.95023	4.46917
SCIMP	3.16429	3.44137	3.57935	3.32481	3.79424	3.4746	3.3753	3.6374	3.29007	3.8925	3.66652	3.26763	2.90755	2.88516	3.77502	3.04866
SCIN	6.75488	5.96143	5.01851	5.41161	5.16531	4.56534	4.65971	4.62482	5.32521	6.28271	5.1428	3.55815	4.10879	3.20382	5.27021	3.27847
SCLY	6.05903	5.79356	6.09107	5.50142	6.06581	6.31023	6.74779	6.12821	5.69979	5.11194	6.27692	6.68097	6.19975	6.25347	5.97527	6.48013
SCMH1	7.18187	7.21589	7.0775	7.05329	5.61148	6.88208	6.32792	7.25283	6.22177	7.36709	5.75058	7.04564	6.13739	6.51043	6.79541	6.1809
SCML1	4.74575	6.20812	6.39124	5.07257	5.9978	6.9035	6.34219	4.81196	5.95367	6.2118	6.9634	4.30918	6.3757	5.20976	6.10971	6.4495

SCML2	7.44587	7.27991	7.62654	7.0963	8.39024	7.96312	8.95659	8.4102	7.3443	7.25736	7.63984	7.47911	7.95757	8.11278	8.68947	7.64388
SCML4	4.94944	6.46565	5.66638	6.62321	6.00927	5.13747	5.1601	6.19045	5.78811	4.36763	4.55792	5.77662	4.8258	4.63552	4.89951	4.51562
SCN10A	7.28879	6.96229	6.90974	7.52217	6.20144	7.08593	7.39951	7.76765	6.77908	6.51684	7.3192	7.759	7.55185	6.9686	7.56344	6.71818
SCN11A	5.53799	4.50317	5.08194	5.25141	4.88353	4.80555	4.89915	5.37627	4.90058	5.32594	5.03773	5.14127	4.72569	4.88202	5.22914	5.08968
SCN1A	4.13584	1.51913	3.4746	3.8116	3.97783	2.73907	4.43188	2.76844	3.96188	2.98436	3.88863	3.60684	4.57686	3.76414	2.85867	2.63125
SCN1B	3.22144	4.51165	4.64876	4.61877	3.36671	4.07245	2.96225	3.39861	4.2082	4.10188	4.67727	4.10853	5.49578	4.02061	5.10876	4.30978
SCN2A	3.76136	4.71325	3.88835	3.78844	3.74274	3.21549	4.61514	4.75769	3.39861	4.71933	3.77058	3.391	3.82945	4.41747	2.3109	2.35031
SCN2B	4.03714	4.44608	3.66884	4.23617	3.88359	3.95997	3.95382	4.56723	3.85721	4.14797	3.91479	5.09667	3.98554	4.04204	4.35543	4.66374
SCN3A	3.75698	5.96305	6.74515	5.45803	6.20362	5.53895	4.95143	5.47546	4.92985	6.545	2.66551	3.76552	3.40212	1.84505	3.12323	2.82844
SCN3B	5.10428	5.03438	3.96867	3.95997	4.12004	3.16088	3.41422	4.14737	4.0195	3.92493	3.92728	4.00169	3.69203	3.88029	4.15744	3.14136
SCN4A	3.93705	3.79628	3.61284	3.8167	2.85371	3.72561	3.818	3.58474	4.23358	3.83015	3.75879	4.57959	3.62729	3.39861	4.48521	2.99971
SCN4B	5.8509	5.44046	5.62027	7.0963	5.73855	5.16063	1.122	4.44194	2.39727	7.59864	4.08209	5.85641	7.12136	4.56553	6.49942	3.01871
SCN5A	6.61138	6.31363	4.47125	6.80168	6.45389	6.41398	6.72553	6.45798	5.16507	4.96614	6.94828	7.10034	6.93472	6.59136	6.60061	6.76152
SCN7A	5.02328	4.4764	4.4005	3.89149	4.53474	4.52741	4.46555	3.70202	4.95627	6.30391	3.82357	4.27232	3.35289	3.52053	4.04356	4.47417
SCN8A	3.82629	4.06234	4.4062	3.65093	4.1094	4.4613	4.60738	3.75928	4.03935	3.99858	4.00917	3.81298	4.26613	4.26138	4.21647	4.21976
SCN9A	4.99245	4.36033	4.43897	4.42491	3.59924	4.21402	5.77843	4.53375	4.68167	4.40686	3.52145	2.18873	4.90513	5.29383	4.55792	7.46153
SCNN1A	7.16597	6.76495	7.05931	6.69042	5.73146	4.82364	5.62668	5.53161	6.35004	7.4042	5.77681	5.88196	5.55129	6.33267	5.40792	5.56061
SCNN1B	7.80379	6.63674	6.49681	6.12151	6.4869	6.14209	7.34125	5.68798	7.61925	6.71161	6.37875	6.24897	6.13014	6.49455	5.86281	5.776
SCNN1D	2.85784	3.25613	4.13924	5.22998	3.29261	3.27349	5.44563	5.41625	3.11326	2.77263	4.64068	4.24374	3.54537	4.41888	3.7365	2.99971
SCNN1G	6.24882	4.7148	5.58778	5.58265	6.22012	4.88894	6.4737	5.91087	6.12073	3.86418	3.36001	5.6878	4.99931	6.35116	5.35382	5.61979
SCO1	6.7635	7.16051	6.83691	6.28914	7.78616	7.05868	4.34027	7.19321	6.66059	7.1559	7.71255	6.71186	7.40722	7.74368	7.23137	7.59765
SCO2	9.11792	8.78616	9.44859	7.65049	8.90826	9.01455	9.6978	10.1211	10.5124	8.40947	10.2415	9.85111	10.0193	9.49953	8.89125	8.90453
SCOC	5.10984	5.24965	6.4778	5.80545	7.79591	4.98058	6.06352	4.66469	5.81194	5.58126	5.56798	4.05033	6.35947	5.22636	6.84972	4.33642
SCOC-AS	3.88013	4.69793	4.26138	3.41796	4.5945	4.03052	3.48453	4.82364	4.28503	4.89861	3.15051	3.94634	3.76737	3.69122	3.42859	4.64068
SCP2	10.3468	10.2318	10.1781	10.1309	9.82582	9.42515	9.40143	9.78173	8.89663	9.92959	9.78849	9.06823	9.83019	10.0103	10.3502	9.9764
SCP2D1	4.61264	3.6843	3.97828	3.35104	3.61465	3.20546	4.73921	5.43602	2.13825	4.9553	3.111	3.23711	2.98256	4.02841	3.25706	2.9809
SCPEP1	8.11615	8.10791	8.27535	8.33456	8.29317	8.66851	8.42097	7.87346	8.16729	7.84964	7.81974	8.5017	8.59782	8.71707	8.39162	7.99096
SCRG1	3.15124	3.10403	4.15183	4.80767	4.20237	3.55705	3.99184	3.89312	4.13025	4.40775	3.53767	4.69272	5.05327	4.71759	5.00506	4.4394
SCRIB	7.56369	7.608	7.29669	6.96626	7.95514	8.64603	8.86638	8.4499	7.93896	7.82162	7.64528	8.58224	8.04652	8.70013	8.04991	8.17417
SCRN1	7.84266	7.95951	8.36968	8.44468	7.47282	6.49846	8.22001	6.26403	7.37167	8.8528	7.27022	7.09434	6.23157	6.68405	7.29579	7.46579
SCRN2	5.05638	5.0084	4.96105	5.05384	4.97661	4.46957	4.54391	4.85258	4.99511	5.84112	5.0548	6.24364	4.84684	4.98989	5.22203	5.09531
SCRN3	5.4168	4.72967	5.53684	4.98334	6.07302	5.33889	5.15365	4.78444	5.53311	5.51228	5.58973	4.72163	5.57918	4.81291	5.80993	5.60769
SCRT1	2.84641	4.88015	2.76765	3.22421	1.82636	2.73408	2.68301	4.02516	2.69546	3.99679	3.25291	2.14269	3.9712	2.9644	3.07124	5.10912
SCT	3.11441	3.18041	2.94797	2.67969	2.97095	2.86136	2.81469	2.88789	2.64558	3.31009	3.18189	2.75185	3.03764	3.27909	2.76084	3.58879
SCTR	4.84626	4.53792	4.28984	5.03068	4.97462	5.02973	5.35812	5.33359	4.70279	5.07734	5.27021	4.16395	4.71174	5.69697	4.21976	5.31846

SCUBE1	4.71569	4.8244	5.15888	2.90159	3.76997	2.91286	2.63794	2.98628	2.83517	5.69464	4.09367	1.4899	3.8683	3.90216	3.79392	4.58158
SCUBE2	5.48413	7.69763	5.26993	6.71075	5.74166	7.45951	1.80024	5.08644	5.81369	6.12195	3.27847	5.18766	4.10293	2.83991	6.75886	6.24052
SCUBE3	4.85113	4.81549	4.37155	4.73865	4.89694	4.62869	5.76297	4.56504	5.80066	5.35063	4.92092	5.33971	4.36385	5.31417	4.74464	4.80626
SCYL1	6.35895	6.08654	6.52602	5.47346	6.0929	6.417	6.06816	6.5166	6.35153	6.2716	6.15008	6.81265	5.79497	6.39572	5.25011	6.17961
SCYL2	7.30165	7.76155	7.45674	6.41769	7.4066	7.70966	7.42167	8.03074	7.27022	7.12714	7.14036	6.99541	7.90882	6.8519	7.73665	7.27759
SCYL3	7.59795	7.55846	7.59765	7.51793	8.34898	7.56855	8.02883	7.88778	7.67932	7.4919	7.39312	7.70458	7.55817	7.76557	8.22455	7.9697
SDAD1	5.66827	5.09839	5.12455	5.20249	3.51628	5.24618	5.35171	5.35171	6.52564	5.93474	4.92697	5.35608	5.33725	4.82868	5.06568	5.40993
SDC1	9.51986	9.29168	10.0259	8.65925	8.52134	9.65415	9.1743	8.53743	9.76458	9.78666	9.62785	10.0552	8.30659	9.36648	9.43955	8.42381
SDC2	6.12018	5.949	6.30331	6.28161	6.89454	6.36248	6.17495	6.5515	5.48379	6.67057	6.40695	5.29126	5.85373	6.9363	6.70042	6.58066
SDC3	4.91813	4.62117	6.45815	3.91319	5.23178	4.9748	3.64059	6.57677	5.38933	5.32306	5.31111	5.34118	4.24541	4.33103	5.80344	5.54416
SDC4	10.8872	10.4778	9.88929	9.64667	9.64026	9.6066	9.7449	8.60184	9.01348	9.91603	9.33414	9.71435	9.79051	10.4883	9.1668	10.1981
SDCBP	10.5225	11.008	11.8584	10.9586	10.6733	10.8668	9.55838	10.6686	11.4854	11.3246	11.9171	10.3502	10.8297	9.69974	10.4698	10.9503
SDCBP2-	6.533	6.27603	5.63291	6.02997	5.80782	6.02552	6.3827	6.50348	6.78488	6.50447	6.26392	6.12151	6.10359	6.19919	4.84059	6.37431
SDCCAG	5.53864	4.94868	5.71644	5.14817	5.34036	5.117	5.56396	5.9893	5.75987	5.01256	5.63327	5.33068	5.39705	5.5734	5.44206	5.98966
SDCCAG	5.60091	5.44182	5.86875	5.64905	6.26973	5.93563	5.70701	5.71558	5.70326	6.17343	5.56198	5.4251	6.18497	6.30117	5.68466	5.78857
SDE2	7.20155	7.39105	8.28261	8.08808	7.98571	7.56597	7.51279	7.71255	7.76799	7.30569	8.35614	7.63411	8.13277	7.76969	7.84223	7.97727
SDF2	7.59726	7.4292	7.92842	8.37595	7.84487	8.43605	7.11182	7.51637	7.58784	8.23714	8.18266	8.37877	7.84068	8.05986	7.18606	7.88327
SDF2L1	8.52332	8.24226	9.75827	9.21728	7.39425	8.30848	6.61048	7.93251	8.59487	9.66375	9.18613	10.6031	6.28305	7.6636	7.16495	6.91643
SDF4	8.01409	7.84964	7.86967	7.65419	6.72765	7.61336	6.66387	6.49105	7.04973	8.60042	8.24244	9.12731	7.63497	8.2853	7.53288	7.50104
SDHA	9.0592	8.79695	8.71651	8.83956	8.48257	8.89592	8.75873	9.22173	8.97179	8.73771	8.44211	8.40046	8.33874	8.49676	8.66383	8.44788
SDHAF1	7.55668	8.03983	7.54722	7.72984	7.36045	7.44642	7.14746	7.22377	7.58161	7.64325	7.73058	8.91149	8.00978	7.03856	7.42635	7.0195
SDHAF2	7.45812	6.86826	7.61598	8.02325	7.89872	7.3443	7.1782	7.52671	7.4001	6.8911	8.29317	7.40259	7.97871	7.64485	7.48119	7.40799
SDHB	5.60069	5.28422	5.47492	5.67516	5.71771	5.73429	5.61594	5.53955	5.70337	5.15199	5.31934	5.43076	5.9868	6.51878	5.68944	5.64142
SDHC	7.42167	7.25243	7.17852	7.39456	7.11782	7.74978	6.98472	7.2112	6.97754	7.07263	7.14809	7.54789	7.30479	7.19454	7.35822	7.38774
SDHD	7.24245	7.73231	7.5342	7.79893	7.62888	6.27095	6.74201	7.472	6.69	6.87888	6.55951	6.72015	6.58737	7.06794	7.13071	7.48299
SDK1	7.25315	6.84429	6.55687	5.98373	6.9948	7.27377	7.69696	5.15554	6.86762	4.75041	4.34259	7.39133	6.35513	4.9742	6.63642	5.63629
SDK2	5.39833	4.86142	4.96394	5.23355	5.42284	5.363	5.89935	5.08327	5.4486	5.22008	4.71037	5.0986	5.59123	5.45357	5.48664	4.6561
SDPR	4.40686	4.69083	4.67236	3.88198	4.27608	5.19791	4.79449	4.49847	5.94021	4.76681	3.999	3.24511	2.61248	3.3177	6.07787	3.763
SDR16C5	7.8756	8.12177	6.76629	7.33464	6.10396	6.36778	8.30082	7.5677	6.7186	7.11405	6.7419	5.76752	5.47001	5.05216	4.98795	6.63746
SDR39U1	9.41373	9.27564	9.06823	9.25316	8.98463	9.0336	8.02082	8.8893	8.99433	8.95283	8.70149	10.0245	9.17193	8.7993	8.63859	9.01248
SDR42E1	5.90129	5.56679	5.0271	5.35063	5.87249	6.06758	7.57459	4.30008	5.05068	5.30988	3.483	5.70562	6.32441	6.24105	5.86663	5.77492
SDR9C7	2.88015	3.36509	5.10579	3.1994	3.45301	5.00608	4.64035	4.2959	3.99376	3.29126	4.92944	3.81618	3.44604	5.16562	3.20278	3.24808
SDS	5.1657	5.7384	4.9553	4.67909	5.31739	4.91176	6.00149	3.5626	5.47986	5.54883	5.98416	4.95192	4.981	5.64024	5.27149	5.62008
SDSL	3.48571	4.17704	3.0591	3.10053	3.52527	2.86136	3.27441	2.83945	4.17624	4.50434	3.76737	3.14285	3.00618	4.16905	2.52969	3.62725
SEC11A	9.9517	9.71584	10.3635	10.0259	9.91866	10.3074	9.4367	9.98814	10.0791	9.99098	9.98579	9.88457	10.0342	9.86381	9.59327	9.86852

SEC11C	7.57741	8.6144	8.72582	8.72194	8.10743	8.15045	8.35464	8.22037	8.15253	9.25806	7.70533	9.07809	8.42344	8.21644	7.96489	7.79591
SEC13	8.95954	9.43324	9.77645	9.39515	9.44306	8.81664	9.5648	9.31511	8.80262	9.56952	9.31398	9.4267	8.56536	8.81879	9.08658	9.28374
SEC14L1	7.32554	7.16436	7.86511	7.3591	6.49724	7.44394	6.32459	7.84908	7.56421	7.57212	7.29287	7.62153	6.77908	6.71017	7.10697	6.76495
SEC14L1	5.90515	5.17489	5.59723	4.55668	4.81051	5.53155	6.2013	5.38422	5.46799	4.19403	3.90646	5.64291	4.43617	4.79512	4.80793	5.04401
SEC14L2	5.34309	5.08271	4.89581	5.28021	4.27619	5.24694	5.11218	3.90553	4.79407	5.60986	5.44744	4.73386	5.43712	4.5001	4.56925	4.01336
SEC14L3	5.74089	3.58989	3.1965	4.07403	3.34835	3.37183	2.84967	2.80263	3.58662	3.2224	3.83387	3.37794	3.25579	4.2497	3.30245	3.21266
SEC14L4	4.20529	4.4039	3.98921	4.3896	4.09469	3.49996	6.07687	2.99513	4.2857	4.34161	4.3989	3.191	5.12503	5.363	4.11792	4.01912
SEC14L5	6.62758	6.17098	5.03914	6.88398	6.66387	6.28872	5.51451	6.46606	4.65199	5.61368	5.83023	6.05262	6.67581	5.32976	6.31947	5.38936
SEC16A	9.45199	9.15977	9.4469	8.59699	9.62422	9.61231	7.57891	9.4469	9.87044	10.5345	9.10108	9.11315	8.81129	8.6144	9.36926	9.13461
SEC16B	5.26452	5.07841	5.75528	4.9904	5.44648	5.35063	5.8178	6.03712	4.62974	5.8829	5.39781	5.96015	5.7174	4.49302	5.41634	5.43578
SEC1P	1.79935	1.88256	2.86268	2.22193	2.36593	2.99117	2.67152	2.81438	3.2065	2.85867	1.95222	3.11416	2.26476	2.72254	2.04035	1.98412
SEC22A	5.61291	5.34226	5.32521	6.47024	6.98163	6.49934	5.93876	6.50257	5.78483	6.64067	6.60444	6.42803	6.71426	6.38823	6.31699	7.05787
SEC22B	8.41565	8.7592	9.65062	9.98579	8.43605	10.4989	10.9225	9.51355	10.5021	9.06178	8.75379	8.84953	8.44961	9.02909	7.97302	8.20591
SEC22C	5.18234	5.37133	5.55605	4.99067	5.48686	5.15007	4.9553	5.53655	5.09271	5.49607	6.1132	5.86541	5.6175	5.21505	5.52089	5.21059
SEC23A	6.1546	6.88409	6.34464	6.13608	7.73431	6.31746	6.32627	6.58963	6.13292	5.96394	7.35304	5.74862	6.9705	5.72807	6.56543	6.92317
SEC23B	8.59625	8.19323	8.9792	8.9396	9.0105	8.62832	9.19751	9.04668	8.3014	9.43871	8.78035	8.48257	8.15305	9.03052	9.05644	8.64262
SEC23IP	6.25108	6.60987	6.89412	6.33478	6.09093	6.45247	6.06337	6.19018	6.9671	6.7013	6.83931	5.36091	5.71924	5.98072	6.08539	6.25165
SEC24A	6.00927	6.37105	7.52366	6.18631	6.4489	6.3979	6.04073	6.70223	6.52891	6.77986	6.96941	6.94695	5.88924	5.73217	6.54889	5.67192
SEC24B	7.75348	6.97901	7.59494	7.62133	8.09341	8.342	6.15181	7.45503	7.33938	7.60753	7.94524	7.31673	7.96679	7.97984	8.05925	7.97619
SEC24B-.	7.05968	6.61469	6.27377	6.72378	6.07446	6.73428	6.17878	6.52006	5.87508	6.80229	6.38394	6.09917	6.48923	6.28749	6.37421	6.33253
SEC24C	9.1846	9.12925	9.40713	9.02331	8.69882	9.25706	8.48462	9.2077	9.17731	9.62568	9.13692	9.61231	8.54172	9.06394	9.02285	8.8528
SEC24D	5.80945	4.38559	6.64563	5.06859	5.62065	5.8182	6.22568	5.45613	5.06051	6.05165	6.03318	5.17003	5.46805	5.41101	6.15893	4.43305
SEC31A	8.38746	8.57166	8.81989	8.28971	9.11792	8.39657	8.17338	8.16431	8.62066	9.40387	8.30405	6.81089	8.28122	8.57292	9.10357	8.41335
SEC31B	4.01048	4.59455	6.06571	3.78412	4.03498	4.83368	3.83857	5.96686	6.01437	4.68824	7.52638	6.35935	3.82075	4.59647	3.25706	4.14722
SEC61A1	6.88246	6.81999	6.77672	5.96167	6.25838	6.1633	6.73406	4.64068	6.37325	7.2851	6.94281	7.62912	6.22411	7.97147	6.02327	6.21218
SEC61A2	6.58211	5.69771	6.18076	6.10003	6.53487	6.24509	7.24245	6.38192	6.3443	6.35836	6.0002	6.11019	6.78596	6.45189	6.74102	6.38675
SEC61B	7.86622	8.96233	9.55838	9.48779	8.19509	9.39209	7.28003	8.47942	8.61941	9.49953	8.39244	9.11537	8.47529	7.65128	8.20228	8.68521
SEC61G	8.49849	9.43005	9.50129	9.67232	8.59531	9.73065	9.54936	8.60967	9.25237	9.07866	9.9517	8.59168	10.1797	9.4421	8.75563	9.52327
SEC62	8.16276	7.81302	8.67002	8.69194	7.45025	8.66226	8.10456	7.58869	8.53091	8.78234	7.03494	7.68357	7.28288	7.55265	7.75805	7.52685
SEC63	7.21191	6.24286	7.42868	7.03075	6.45758	6.81622	6.38477	6.27435	6.84334	7.53069	6.64741	6.40384	6.63165	6.54	6.73753	6.82752
SECISBP	7.86725	7.71648	8.12887	8.11669	6.9069	7.9532	7.36846	7.45787	7.78519	7.64985	7.45503	7.73837	7.77471	7.14362	7.67064	7.71915
SECISBP	8.35093	7.54382	8.24645	8.22616	7.35571	7.46659	7.05471	7.36129	7.45568	7.85449	7.58344	7.12034	6.84536	7.02742	7.36129	6.81974
SECTM1	7.23414	7.75974	8.13938	7.0099	7.16265	7.87876	7.65455	7.73205	8.08673	7.26214	8.18415	7.69452	7.74515	7.46379	7.18187	7.46926
SEH1L	6.9799	7.3425	7.48683	7.59296	8.05785	7.77998	8.08867	7.58615	7.52841	6.90541	8.24425	7.67932	8.13968	8.20175	8.03847	7.86571
SEL1L	6.33183	6.0519	7.69422	6.82297	6.21237	6.83752	6.44616	7.25051	6.8975	7.33768	6.27938	6.95695	6.06691	6.19705	6.80329	5.94952

SEL1L2	2.85784	3.28675	1.85463	4.34058	1.60199	3.24275	3.3753	3.06557	2.92006	3.25068	3.09709	3.15604	4.28649	1.84505	2.93032	2.65953
SEL1L3	7.45093	7.8738	8.3496	7.94881	7.00057	7.35004	6.5579	8.51364	8.3822	8.30082	7.28084	8.40792	6.63002	7.46003	7.2857	5.80184
SELE	3.93705	3.96497	7.6948	3.88735	3.68084	5.79169	4.17685	6.04567	6.48293	4.88336	7.72426	5.70387	6.04156	5.17427	7.44432	4.94543
SELENBI	9.63286	9.06063	7.86759	9.10446	6.63278	6.91137	6.67266	7.4811	7.92703	9.50261	5.63045	7.90469	7.34437	7.32572	6.48013	7.97233
SELK	9.98188	10.4836	11.2633	11.2324	9.47711	10.5124	9.80267	9.95652	9.96518	10.5857	10.0791	11.1496	9.9517	9.46931	9.79203	10.2583
SELL	7.69466	10.0162	9.5431	9.77227	9.36057	9.8758	7.12179	8.93763	9.7947	6.77043	8.95046	9.10516	7.8368	6.94225	8.86529	8.54009
SELM	6.79829	8.24826	7.92556	7.66951	5.20742	6.52891	4.21561	4.54565	4.46917	8.77378	6.94132	8.37645	8.47306	6.34532	4.56642	6.47888
SELO	7.15768	7.46068	6.33549	6.39586	6.91209	6.46249	5.5189	4.80236	6.92124	7.14971	7.06144	8.37199	7.24802	7.7022	5.69472	5.28614
SELP	7.22163	6.844	8.17903	6.27029	6.29645	7.05524	6.1475	6.56557	6.99217	6.24408	7.05016	6.88646	3.88172	4.27418	6.56058	6.46984
SELPLG	6.05821	5.89665	6.61588	6.24308	5.94675	6.11433	6.07302	6.49354	6.09555	5.77092	6.77456	6.5997	6.45319	5.2949	5.87024	6.45844
SELT	7.3695	7.55173	8.25183	8.04873	8.29124	7.49002	6.01426	7.35032	7.36913	7.67711	7.9976	7.35785	8.00027	7.74644	7.98156	8.36242
SEMA3A	5.33126	3.69005	5.03773	4.64174	5.10609	4.71077	3.5945	3.97703	3.53715	3.25734	4.86432	3.18969	3.48664	3.08498	3.31489	4.44454
SEMA3B	3.56191	3.85394	3.69741	3.54894	4.26628	3.85447	3.83857	3.71916	3.87677	3.97041	3.63292	4.0069	2.96494	4.00373	2.36623	3.87671
SEMA3C	7.90327	6.82022	6.56975	6.96582	6.94474	6.2836	7.57081	5.50787	6.02361	7.45568	6.55493	6.26293	7.2857	6.67266	7.35181	5.70337
SEMA3D	3.33153	4.21622	3.01667	3.01384	3.82451	3.05931	4.31046	3.68721	4.31762	3.82524	4.18038	2.58362	4.23521	3.55406	4.25972	3.68775
SEMA3E	5.68623	5.59022	5.53727	4.98208	4.59728	4.20319	6.46946	6.43173	5.31338	6.34438	3.58961	3.79097	6.32792	5.93474	5.04161	8.35203
SEMA3F	7.07946	7.26259	6.42469	5.9025	6.82274	6.51534	7.50665	6.40759	6.91907	6.64925	6.66212	6.96309	6.77933	6.8352	6.21106	6.82648
SEMA3G	5.18934	6.6308	7.71363	6.79474	6.89645	7.47646	6.99315	7.7995	6.37043	8.24153	6.70631	7.06373	6.07459	5.80706	6.42743	4.46917
SEMA4A	4.76901	5.35185	5.48228	4.93738	5.0187	6.40117	4.92249	5.67887	5.68071	4.43638	6.5764	7.25567	5.82812	5.26618	5.71711	4.9792
SEMA4B	7.16305	8.33905	7.01893	7.82536	7.70144	6.78728	7.82492	8.03332	7.74661	8.07647	7.53434	8.44895	8.54257	7.38598	8.09982	7.39928
SEMA4C	8.75124	8.49332	8.81879	7.39688	8.70805	9.67089	9.24862	8.44731	7.61431	8.39116	7.60537	9.54936	7.56278	8.8583	8.79141	8.85614
SEMA4D	5.68517	5.95902	7.23912	6.78707	6.76847	7.24192	6.69189	8.01099	7.65874	5.36067	6.65253	7.22892	5.87534	5.35566	5.63587	6.54028
SEMA4F	6.70274	6.72166	6.62218	6.58326	6.74102	6.9961	6.76694	6.82106	6.88438	6.84518	6.71062	7.14362	7.0099	7.08593	7.03744	6.78913
SEMA4G	4.68167	4.58146	4.62626	3.73544	3.78698	3.99573	4.33745	5.21285	4.68191	4.4062	4.4039	5.06539	4.86562	4.88123	4.54325	4.76965
SEMA5A	6.70511	4.49578	6.06123	5.43734	6.34219	6.8955	5.97818	4.35384	5.4895	6.1892	4.51825	6.45523	5.24052	7.65686	6.37229	3.86359
SEMA5B	4.18547	3.9717	4.1682	4.21125	4.51121	4.06264	4.49757	4.5714	4.65199	3.63896	4.79301	5.60943	5.17844	5.08968	4.78962	4.52926
SEMA6A	3.50907	4.12698	4.2492	3.32935	4.3486	5.28972	5.40792	3.65785	4.29189	3.93923	3.61993	3.76863	4.63576	4.86432	3.91161	3.04271
SEMA6B	4.55018	5.96394	5.8829	6.20321	5.7127	6.3569	6.45355	6.20604	6.09644	5.6126	5.58238	6.35534	6.32955	5.50521	6.16296	5.15954
SEMA6C	3.39513	3.41586	4.03916	5.98578	4.89904	3.03288	4.03876	5.08644	3.50839	4.02075	3.33935	3.60204	5.23232	5.34487	3.8556	4.19396
SEMA6D	4.58644	5.39161	5.58578	5.49848	6.3267	6.74074	5.582	5.43429	5.56375	5.80973	5.3528	5.67434	5.41041	5.56841	5.94381	5.13901
SEMA7A	6.2147	5.93894	5.35546	5.33989	5.69143	5.81102	5.25786	6.13852	6.43747	6.4158	5.79922	6.73451	6.86618	5.71612	5.81938	5.94472
SEMG1	5.18934	2.77081	2.72411	1.80217	2.47594	2.89716	3.27441	1.86949	4.39872	3.13394	3.09709	2.31832	4.39532	1.84505	4.026	2.99971
SEMG2	6.49589	3.4933	5.99339	5.64142	3.80647	5.85664	3.94849	5.68798	4.09292	5.87159	4.70546	4.86421	5.67467	3.77151	5.94111	4.22871
SENCR	6.62048	6.15028	7.14648	7.0724	6.07982	6.89144	7.32606	7.75653	7.00224	7.20528	5.26311	7.16136	7.10149	7.11315	6.93283	7.07611
SENP1	5.99151	5.45838	5.54492	6.18979	6.50241	6.34674	6.3114	6.29256	5.87407	5.66468	6.33267	6.42136	6.05129	6.27927	6.06691	6.26566

SENP2	6.78728	6.57275	7.23137	6.95233	7.11341	6.97076	6.35116	6.78707	6.85861	6.78863	7.03311	6.60033	6.03318	6.32482	7.24112	7.06297
SENP3	4.62587	5.23942	5.86223	4.95564	6.37023	6.13088	5.41161	5.39542	5.61148	4.53702	6.0218	5.47715	5.87165	6.26865	5.6132	5.64977
SENP5	7.06232	7.14114	6.96411	6.5958	7.02701	6.96411	6.95554	7.18198	7.24638	6.54152	7.15413	6.99808	7.07263	6.8731	6.90659	7.25259
SENP6	6.76637	6.78596	6.22886	6.86297	7.55633	7.21604	7.02137	5.83738	6.99046	6.86811	7.05931	6.69435	6.50406	6.58949	7.28288	6.91931
SENP7	5.77919	5.45483	5.87972	5.69362	6.88127	5.78799	5.15827	4.90439	5.24471	5.23264	4.85449	4.89403	5.12847	6.02379	5.58825	5.97368
SENP8	4.6793	3.9561	3.95338	5.31564	3.72183	5.0094	3.45142	2.82741	5.05638	5.2229	3.31135	4.17869	5.81289	4.06234	3.69409	5.46231
15-Sep	9.73939	9.80267	10.4243	10.0415	10.3468	9.44403	9.05969	9.43955	9.06963	9.96379	9.84942	9.45824	9.5293	9.71214	9.57587	9.91603
SEPHS1	7.71057	7.68075	7.34693	7.43943	7.86813	8.09882	7.89362	8.19509	7.64121	7.56065	7.71341	7.65726	8.42675	7.87786	8.07849	8.30659
SEPHS2	9.42515	9.91603	9.19557	8.77929	9.48403	9.9764	8.53034	10.4318	10.3635	10.398	10.3468	10.1917	10.0919	9.33951	9.66375	9.93446
SEPN1	5.65385	3.77816	4.51085	4.25148	2.33881	5.69972	5.0499	2.04007	6.29094	5.65982	5.25748	5.30548	4.21419	5.40055	3.56833	5.52649
SEPP1	8.25692	8.15216	8.08385	8.42505	7.02213	5.59343	7.47865	5.74677	8.39908	7.8222	4.28124	6.70933	8.04765	7.70063	7.37359	5.93792
SEPSECS	5.41468	5.20516	5.35681	5.16185	5.95001	5.36879	5.16547	6.04073	5.60281	5.41113	5.60113	5.38706	5.89412	5.54991	5.67735	5.64161
SEPSECS	5.93081	5.29717	6.15156	6.5917	2.97095	6.01899	6.06953	6.33679	5.29255	5.61368	5.20401	5.7106	4.57984	2.93125	5.80178	5.06428
1-Sep	6.05271	5.70611	6.36329	6.07026	5.57527	5.44159	4.09381	5.72395	5.29255	5.44823	5.84754	5.5785	5.15157	6.53539	5.63098	6.44906
10-Sep	7.22279	7.42501	7.57827	7.34967	8.60597	7.49656	7.64872	6.87959	7.06858	7.38851	7.54563	7.16597	7.91573	7.98508	8.32816	7.39608
11-Sep	5.13421	5.60742	5.78871	5.57669	6.20579	5.94871	5.25291	6.14424	6.23778	5.7789	6.5515	5.65616	6.4743	5.69299	6.03236	5.77681
12-Sep	3.5501	3.30026	4.11758	3.46996	3.57987	3.85447	3.68625	3.29115	2.97568	3.3263	3.26817	3.41704	3.94666	3.0362	4.11491	4.16516
2-Sep	7.32389	7.07424	7.78582	7.05787	7.11366	7.88233	7.56562	7.54722	7.65533	8.0511	7.87675	7.4267	7.37944	7.42977	7.52405	7.69724
3-Sep	6.81615	5.81135	7.27505	6.54354	6.0156	6.64067	6.57265	6.53713	6.51937	6.31008	6.20964	5.93115	6.71791	7.05942	6.37643	6.64563
4-Sep	3.96598	4.20714	4.02891	4.13895	3.94226	4.21622	4.07659	4.65943	3.88146	4.13607	3.78955	4.65418	4.73561	3.27087	4.43507	3.88996
SEPT5-G	5.34279	5.4703	5.39594	5.48108	4.89718	5.27487	4.96879	5.19619	5.15982	5.33989	5.06334	5.37412	5.17737	5.26588	4.98849	5.88181
6-Sep	5.5775	6.19919	6.50559	6.31023	6.10464	6.43593	5.34251	5.96787	5.88955	5.50846	6.09461	6.13469	5.73904	5.70513	5.62113	5.31323
7-Sep	6.30311	7.58505	7.73538	7.12158	7.33414	7.93534	7.87861	6.74871	7.92948	7.57423	7.03131	7.35459	7.34905	6.90904	6.3569	7.45606
SEPT7P2	5.13036	4.61448	4.50899	4.86772	5.78393	4.12203	6.0402	5.86136	5.15216	4.89694	4.87251	5.27173	4.0189	5.45776	5.81884	6.12207
SEPT7P9	6.87143	4.59455	5.77447	6.16508	5.29588	3.36385	5.46734	6.52006	5.5025	5.85135	5.89803	5.18461	5.69186	5.54389	5.74666	5.2818
8-Sep	6.41963	5.92122	6.61308	6.18435	6.5312	7.06996	6.24458	6.50281	6.64978	6.72599	6.56076	6.77539	5.91104	5.80863	6.53507	6.49817
9-Sep	7.3511	7.18981	7.759	7.66097	7.57865	7.46304	6.95023	6.91061	6.59858	7.4963	6.84248	7.56307	7.02009	7.56462	7.44109	7.21508
SEPW1	11.174	10.5021	10.1981	10.7996	8.95622	10.0791	9.49156	9.19948	9.18298	10.3951	9.54799	9.86652	9.67232	8.80992	9.11102	10.0029
SERAC1	4.2698	5.02328	5.42673	5.22914	5.66353	5.64281	5.52519	4.92736	5.32967	4.70611	5.73265	4.47767	4.62221	5.50846	5.59515	5.07199
SERBP1	8.52211	8.28007	8.43314	8.42133	8.55896	8.51297	9.31202	8.53486	8.24826	7.94201	8.84034	8.84421	8.7381	8.73732	8.53406	8.77677
SERGEF	6.17008	6.17202	4.49377	6.22235	6.00991	5.6104	6.11134	5.19972	5.97567	6.30273	4.97832	6.50736	5.48818	5.47104	5.71345	5.00871
SERHL2	4.59373	4.89829	4.56438	5.62589	4.53702	4.35946	3.86554	5.26279	4.83092	5.40591	5.33428	5.20817	4.78378	3.83749	4.63606	4.37224
SERINC1	8.23471	8.69356	10.1917	9.67513	9.79127	9.55087	8.01647	8.64636	9.17582	10.1104	9.11734	8.71012	8.86001	8.5017	9.41373	8.77929
SERINC2	5.87024	5.48401	5.50719	5.21937	5.35015	5.54011	4.91834	5.14817	5.02104	5.57001	4.96159	4.29147	5.70357	5.2853	5.22468	5.58778
SERINC3	8.97278	8.52058	9.6967	9.19948	7.70723	8.76808	8.33937	7.16831	7.79416	9.36648	8.60967	8.41119	7.65498	8.4721	8.33334	7.69134

SERINC5	9.2812	8.77276	8.60625	8.87147	7.80162	9.39322	9.13234	7.32289	8.23079	8.62037	8.2105	8.10701	8.00842	8.38746	8.46622	8.36968
SERP1	9.65881	9.70802	10.1021	9.74251	9.7449	9.15586	8.81783	8.75288	8.87358	10.4632	9.39051	8.54777	9.18875	9.83019	9.76219	10.1309
SERP2	5.09913	4.09669	5.13232	4.88123	4.60422	4.35831	4.89742	5.0222	4.11067	4.71149	4.1683	4.93183	5.50079	4.76092	5.00573	4.37155
SERPINA	4.0687	4.97776	4.56962	4.71089	4.63759	4.64112	3.93072	4.47417	6.00809	5.63228	5.90756	4.45735	5.28109	4.07298	4.31266	4.31215
SERPINA	3.04535	3.40176	3.31271	3.54894	3.53849	3.81413	5.18039	3.97032	2.97568	3.94629	3.7868	3.11416	3.58948	3.6144	3.69726	3.57557
SERPINA	6.72462	6.82203	6.90705	7.23538	6.73129	7.00018	6.95294	7.26997	7.02591	7.46163	6.73246	7.20579	6.60137	6.70182	6.64693	7.22613
SERPINA	2.50129	5.0097	3.46771	3.00618	3.64173	3.72561	3.39293	3.23218	2.47145	3.7682	3.65785	2.91196	2.81611	3.70919	3.21508	3.39583
SERPINA	8.93625	8.12453	8.65925	3.72039	2.29738	6.35116	3.44209	4.33496	6.11072	12.6076	5.63764	8.00978	3.42036	3.73088	4.19913	6.53405
SERPINA	4.01048	3.11174	2.8391	4.74107	3.6922	3.11933	3.08298	5.20645	5.54883	2.75002	4.06326	3.58062	4.8611	7.49082	3.41773	4.14722
SERPINA	6.06417	5.23593	5.58275	5.90568	5.79396	4.37334	4.87555	6.37891	6.18897	7.11651	4.61798	5.49559	5.92035	5.97749	6.14193	6.19381
SERPINA	2.34348	2.13825	1.59211	2.03633	2.1445	2.11228	1.63196	1.67907	1.81152	2.12186	2.54194	2.24796	1.89786	2.48051	2.07498	2.10224
SERPINA	5.86446	6.53064	6.11327	6.51033	5.75909	6.33957	6.99978	7.07869	5.782	6.70731	6.10525	6.14411	6.58204	6.22003	6.45018	6.43909
SERPINA	4.77121	3.74825	4.29326	5.08609	3.73869	4.02752	4.95143	3.71916	4.10622	4.02075	3.8679	5.80814	5.58872	4.369	4.2981	4.02452
SERPINB	8.8893	7.93861	7.87198	8.13008	7.65128	7.44685	7.432	8.04125	8.83744	7.65557	9.51816	7.5063	7.71776	7.71275	7.75735	7.93216
SERPINB	5.74238	6.08497	6.50914	6.19518	6.0372	6.45718	8.32702	6.87168	6.21797	5.35699	6.10057	6.25077	6.59402	7.29064	7.16903	6.46314
SERPINB	6.78513	6.26547	6.24827	6.11348	6.07037	5.59785	6.09242	5.67359	5.92492	5.38528	6.13608	5.89092	6.14652	5.78062	5.43322	5.81289
SERPINB	5.71986	5.90386	6.66494	6.15228	5.88552	5.96787	6.56076	6.06247	6.16438	6.23691	5.79396	6.31925	5.62298	5.28671	5.55253	5.4554
SERPINB	5.5426	5.70189	5.04103	5.00482	4.49714	3.82587	6.00927	4.51419	5.19701	4.13125	6.14938	3.85359	4.32569	4.40557	4.8731	4.60263
SERPINB	5.26165	7.94351	5.06066	6.54028	7.3706	3.35168	11.1818	7.64541	5.93654	4.89975	9.56083	2.83233	4.72178	7.98209	7.87876	6.1129
SERPINB	11.8866	11.4058	9.77389	11.4604	7.80351	6.15282	6.64108	7.00638	7.97691	5.86266	10.7596	7.70384	5.72828	7.96246	5.89071	6.11917
SERPINB	8.18238	7.13623	7.31075	7.92262	5.38528	2.91286	2.3531	3.49069	5.09913	4.47533	8.65357	4.96683	3.67703	4.04773	4.03231	3.87671
SERPINB	4.37938	6.20838	3.3087	3.77762	6.78913	6.3871	6.33679	4.0279	5.24016	5.85641	7.03044	2.69205	3.19002	6.26164	5.14155	4.21884
SERPINB	6.66349	6.15923	5.37887	5.48056	4.79043	5.65057	5.74555	5.54288	5.01785	5.73303	6.12611	6.25491	5.88076	5.155	6.11077	5.36506
SERPINB	4.35866	8.03276	2.70549	4.42279	3.97307	1.09519	3.49217	2.78286	3.65431	3.68301	4.66895	2.66471	2.36805	2.44811	5.78757	2.76844
SERPINB	6.30689	6.52996	5.97543	6.27847	6.25249	5.11744	6.34126	6.92479	6.60271	4.82733	6.78398	6.53414	6.64348	7.06179	6.71311	6.20708
SERPINB	5.95874	8.0296	7.58117	7.93391	7.06102	8.32646	7.47911	7.5738	7.35304	6.7918	8.30517	7.92161	7.92161	7.21647	6.92582	7.26423
SERPINB	4.41574	7.38342	7.16423	6.64424	7.29816	6.6346	6.2836	7.51637	6.64123	6.23123	6.03515	6.93816	6.64145	5.19549	6.92419	6.60839
SERPINC	2.54448	2.27273	2.73031	2.66959	2.31706	2.22886	2.71818	3.20583	2.45415	2.65434	2.46916	3.07618	2.78532	2.27178	2.53589	2.30796
SERPIND	0.90643	2.95972	2.53621	1.20944	2.58828	3.83233	4.81522	2.91144	2.67969	5.30815	2.91487	2.46803	2.52228	2.13594	2.21248	3.71736
SERPINE	5.83509	5.2306	5.95253	5.30672	5.82515	5.99359	5.72697	5.54198	5.55535	5.56581	6.70289	5.91931	5.68466	6.32617	5.99873	5.61646
SERPINE	6.55232	6.12451	7.09572	5.8727	7.85599	6.74779	6.81688	7.74569	6.79607	7.16948	6.8987	5.90911	7.05818	5.94627	6.69457	6.05602
SERPINF	9.10402	9.69974	9.37769	9.01348	9.06178	8.89238	9.02455	8.50717	9.74747	9.66114	8.4703	10.1813	8.93865	9.19156	9.14549	8.39534
SERPINF	5.92582	5.59446	4.13924	4.51263	5.34251	3.41719	4.55321	3.53745	5.77139	4.81582	4.64412	4.80362	5.09869	5.88688	4.49463	6.9564
SERPINC	7.65794	7.47271	9.055	7.8754	7.58615	8.33009	7.52337	7.58232	7.98333	7.90401	9.58421	8.19149	7.28761	7.46031	7.64031	7.91786
SERPINH	4.84742	3.3786	7.27891	4.17431	6.85641	8.46832	2.90726	3.96044	3.40648	3.7682	7.79368	7.99805	5.26645	7.89942	5.19273	4.30978

SERPINI	7.39599	7.11235	8.74249	7.92662	7.82698	7.85153	7.77224	8.61743	7.97957	8.88247	6.70223	7.38024	7.69466	8.12977	8.02904	8.64334
SERPINI	7.29401	3.69964	2.82464	4.5915	5.60384	3.40348	3.27441	3.3596	5.26316	2.63576	2.21379	3.96659	6.27847	3.42962	6.60293	5.40583
SERTAD	9.22889	9.54936	9.26427	8.84953	8.81505	8.87147	8.55623	8.50939	9.32624	8.77851	9.21728	9.9764	9.1743	9.45824	8.7381	8.78314
SERTAD	8.8123	8.57525	8.90205	8.68868	9.77389	10.2825	10.794	8.95696	9.1574	8.14368	8.01148	8.15909	8.52275	9.84118	10.2084	8.76878
SERTAD	6.33556	6.06227	5.20327	3.61465	6.05873	6.12326	5.70907	5.16539	6.54628	5.95512	6.404	6.12073	5.61273	3.85416	5.48108	6.21372
SERTAD	6.72263	5.49177	5.51756	5.92277	4.57597	5.43378	5.12314	3.90614	5.73024	6.41723	4.60513	3.50971	4.1099	4.27584	4.30345	4.27418
SERTAD	7.93959	6.97788	7.24621	7.2235	6.55559	6.80889	6.4066	7.36545	6.51736	7.42514	6.27405	6.31734	6.88982	6.09697	6.94902	6.42733
SERTM1	5.12745	5.38495	5.41027	5.43831	5.33349	5.30898	5.74052	5.23907	5.42868	5.47996	5.36735	5.0878	5.67961	5.4626	4.99814	4.89742
SESN1	8.21095	7.62564	7.21923	7.77998	9.71731	8.26769	7.91877	7.70384	8.30348	8.67455	7.0308	6.745	8.58048	9.17299	9.45067	7.69565
SESN2	5.00186	5.41777	5.52355	4.38261	5.92522	5.92895	5.04584	5.48773	4.70851	5.90706	6.10559	6.07446	5.20282	6.45214	6.22105	4.7638
SESN3	4.82924	5.64846	5.00061	4.88092	5.31338	5.31789	5.29829	5.49973	5.28004	5.34118	4.89528	4.39999	5.18766	5.00284	4.90779	5.77696
SESTD1	7.56512	6.34706	7.3133	7.06652	5.47057	7.5216	6.5278	5.2358	5.65251	7.66727	6.03295	5.06404	5.29544	5.37281	6.95554	7.77814
SET	8.51686	7.79072	6.40266	7.93784	7.1641	9.30484	8.88814	8.04348	9.41655	7.92662	8.14909	8.18753	8.82383	7.70241	8.0064	8.43631
SETBP1	7.27909	7.32857	7.34297	7.76017	6.8226	7.83323	6.96845	6.99578	7.1002	7.52956	7.11924	6.35184	6.59447	6.74325	7.4156	5.52441
SETD1A	5.31338	3.30026	3.11137	5.02046	3.76997	4.84871	5.3089	6.40406	4.79613	3.74711	3.23213	6.02886	5.71246	3.6144	3.46534	2.45954
SETD1B	8.29592	9.00505	9.04557	8.85868	9.56807	9.00415	8.68454	8.61552	8.75288	9.12408	8.62967	8.93625	8.55015	8.74249	9.72612	9.22708
SETD2	7.09223	6.80386	6.91209	7.10583	7.16189	6.98222	6.29559	7.11602	6.57255	6.54628	7.01721	7.01673	6.53899	6.41874	6.80087	7.03311
SETD3	7.38556	7.22727	7.19756	7.39879	6.80312	6.79214	6.2054	7.75049	7.30538	6.85491	7.49942	7.03517	7.25701	6.90726	7.15229	7.25051
SETD4	6.03743	5.58714	5.65993	5.68283	6.08422	5.79337	5.70391	6.08718	5.77035	5.02637	5.77322	6.22938	5.82978	6.24911	5.97543	5.60393
SETD5	6.51775	6.16481	6.45939	5.8913	5.88657	5.98786	6.03795	7.14209	6.95493	6.4803	6.2051	6.52377	5.97527	6.3443	6.63529	6.43493
SETD6	6.59283	5.48427	6.01229	5.09175	6.85041	5.81289	5.36229	7.42093	6.56131	6.17633	6.09071	7.1569	6.9682	6.85454	5.77398	7.2117
SETD7	6.99644	6.69878	6.93962	6.86529	7.34719	7.44743	6.48414	7.68457	7.26549	7.40094	7.14716	6.78245	7.4416	6.7903	7.54948	6.98607
SETD8	6.92712	6.20463	7.03085	6.78945	6.05835	7.06297	7.16758	6.58066	7.44226	6.55289	6.687	6.80762	6.46269	6.9705	6.8537	6.61572
SETD9	6.53673	4.77818	5.0222	5.60091	5.29691	5.74994	5.57398	5.42482	5.96167	4.73504	5.65592	6.58884	6.22394	5.70866	4.66095	5.97187
SETDB1	7.72407	7.61117	7.54204	7.53547	7.57964	7.52519	7.34509	7.37944	8.04702	7.36846	7.58986	7.44986	7.27283	7.50077	7.31725	7.94154
SETDB2	5.30442	5.54631	5.55165	4.57172	5.3574	5.10323	5.70084	6.23706	5.72931	5.41283	6.0929	5.24084	5.34452	5.05088	5.51639	5.35918
SETMAR	5.78301	5.75151	5.76403	5.52936	6.17633	5.77304	6.31802	6.10931	5.79898	5.95743	6.02426	6.02637	5.98416	5.81553	6.14519	6.18294
SETX	7.23561	7.43547	7.33669	7.52405	7.81222	7.02487	7.31268	7.57594	7.64368	7.3721	7.51973	7.38851	7.27022	7.19055	7.61999	6.91191
SEZ6	4.87205	5.04513	4.66241	4.12453	4.467	4.56123	4.31762	4.41965	4.31963	4.68428	4.09669	4.98956	5.01962	4.86237	4.65251	4.62548
SEZ6L	4.59823	3.87842	4.03667	4.64607	4.40463	4.49747	5.12092	5.09878	4.57356	4.24673	4.56273	4.32644	4.35094	4.29049	4.61798	4.40807
SEZ6L2	6.74845	6.52173	6.73353	6.6672	6.35762	6.62636	6.18589	6.33769	6.61895	7.07914	6.15904	6.95299	6.43493	6.63063	6.31325	6.24726
SF1	6.07517	6.14957	6.72015	6.16058	5.69964	6.60313	6.4707	5.70337	5.09584	5.90118	6.11841	6.79818	6.45355	6.1757	6.04656	5.73235
SF3A1	6.3586	6.83474	7.03719	7.55025	7.40032	7.33768	7.92317	7.44109	7.14464	7.12268	7.01044	6.99387	7.1371	7.23779	7.35652	6.66563
SF3A2	4.59206	3.27842	3.093	3.58305	4.28379	6.69702	7.09849	8.13873	7.49719	4.21647	6.54574	5.21296	5.49177	4.90838	5.98895	5.26984
SF3A3	7.6658	8.03572	7.68253	7.49927	7.95785	8.44675	9.25156	7.54382	8.54652	8.27215	7.84223	8.36563	8.17146	8.05195	7.98493	8.53635

SF3B1	8.54172	8.19792	8.99157	8.59625	7.81636	8.86149	8.42675	8.30348	8.95954	8.9238	8.08705	8.20748	8.33155	8.13823	8.41276	8.5825
SF3B2	8.00305	7.77611	8.17146	8.27821	7.93038	8.11103	8.24244	8.80376	8.17292	7.85571	8.10743	8.10571	7.8025	8.27357	8.0026	7.66991
SF3B3	7.36816	7.18953	7.04587	7.3928	7.383	7.44574	7.54029	7.95615	7.90829	7.22425	7.30538	7.11405	7.095	7.92556	7.08193	7.3443
SF3B4	6.96146	7.16495	6.57163	7.07804	6.86618	7.83428	7.8527	8.71044	8.86638	7.57572	8.28199	7.81868	8.22239	7.06843	7.77456	7.81701
SF3B5	10.032	9.81024	9.10446	10.0162	8.95954	9.51229	8.35965	9.05406	8.78881	8.10488	9.24769	9.7449	10.2084	9.14795	9.18052	9.61082
SF3B6	6.2716	6.55936	6.90197	6.95677	6.80563	7.47457	6.86887	6.26293	6.24803	6.84402	7.03719	4.83168	7.38979	7.28385	6.60967	7.67591
SFI1	6.50721	6.74754	6.2836	6.78314	6.00971	5.97187	6.72263	6.74684	6.44533	6.44143	5.9966	6.32063	6.02499	6.03205	6.38514	6.25061
SFMBT1	7.73791	7.67291	7.30479	7.68995	6.51314	6.63752	6.87697	6.75751	6.75718	6.80312	6.89851	6.88611	6.67683	7.03405	6.02713	6.99123
SFMBT2	3.27087	5.53003	5.72971	4.84092	5.36481	3.55696	3.5152	5.11766	4.86639	5.07954	5.11553	5.08609	3.99029	4.73716	4.70017	4.96907
SFN	10.3531	10.6304	9.87278	10.1365	10.2955	10.5826	11.3656	11.3034	11.1658	10.0629	10.6889	10.7267	10.8573	10.4489	10.8808	9.99098
SFPQ	7.91644	8.25692	8.5017	8.19323	8.7993	8.48507	8.44211	8.39497	8.1768	8.45826	8.37861	8.38294	8.39244	8.47529	8.46832	8.35397
SFR1	6.13014	6.54574	5.24005	6.2458	5.31034	5.40826	5.81705	6.06407	5.54416	4.95972	7.05787	6.44014	5.79101	6.46712	6.82985	6.19518
SFRP1	5.85696	5.55564	6.73608	6.0528	5.64395	6.27896	6.19879	5.6175	5.01027	8.01367	5.9192	5.55652	6.40793	5.52747	5.67314	5.46793
SFRP2	6.1103	4.6921	8.27473	4.74517	7.88943	6.59787	5.27686	5.78051	4.41154	8.14551	7.60493	8.50367	4.40651	5.40205	8.59487	6.64794
SFRP4	4.10176	4.15633	7.38556	4.68428	5.81672	4.41415	4.06918	5.48981	3.98812	5.42705	3.818	4.92341	3.96394	6.19721	4.60464	5.78483
SFRP5	3.52524	4.61934	4.15015	4.78962	4.33348	4.1494	4.14005	3.66599	4.29487	4.20362	4.3732	4.72092	5.75502	3.54384	5.37911	4.43638
SFSWAP	4.91481	4.88861	4.68428	5.15634	5.03887	5.07257	5.02259	5.3869	5.8125	4.83933	5.29354	5.31915	5.129	4.93717	4.60364	4.86073
SFT2D1	6.31288	6.58498	7.19916	6.55493	6.5305	6.48757	6.42834	6.37105	6.8537	6.37377	6.91209	7.13865	6.92002	7.19222	6.60736	6.62436
SFT2D2	8.55764	8.88559	9.17193	8.5288	8.76971	9.22273	8.61941	9.06178	9.84118	8.56452	9.58716	8.8861	9.15499	8.21006	9.03229	9.60191
SFT2D3	6.99781	6.5815	6.60878	7.05741	6.69985	6.42722	6.09093	6.38823	6.58393	7.013	6.56768	6.57618	7.15323	6.96582	6.88646	6.81741
SFTA1P	2.53024	4.85515	3.53502	2.75974	3.29261	2.27957	3.74769	3.19037	3.02333	2.01376	3.52473	2.48941	3.23246	3.23061	3.76841	3.55993
SFTA2	4.44608	5.13629	4.54034	3.89582	3.0533	4.73519	3.55696	4.54565	4.33436	5.45382	4.83644	4.84165	3.21485	5.64502	3.35152	3.29988
SFTA3	4.42363	3.20291	2.61382	5.23593	4.93594	4.78796	5.2563	5.19716	3.5256	4.20362	4.45332	4.4329	4.37787	4.1099	5.17184	2.7492
SFTPB	6.67459	6.05663	6.6849	6.39556	6.21679	5.72103	5.94952	6.70344	6.83775	6.81917	6.22269	6.81688	5.78528	6.04916	6.51228	6.03131
SFTPC	4.63389	4.64638	4.07298	4.21435	4.45971	4.27381	4.27206	4.04301	4.32396	4.74782	4.49578	4.41311	4.59949	4.21647	4.22534	4.24728
SFTPD	6.17104	6.46685	5.25119	6.26834	5.20269	3.50802	6.51608	4.89413	6.16438	4.96614	4.74589	6.23393	5.60935	8.52405	6.2336	6.12617
SFXN1	4.97087	4.32453	5.47646	5.66603	6.69058	6.90769	8.28608	6.25512	7.18953	5.66911	7.14827	5.10291	6.97145	7.33587	7.29816	6.70987
SFXN2	7.09549	7.11341	7.10181	6.72233	7.20816	7.39781	7.07804	7.47865	6.53395	7.55694	6.4707	6.97577	6.5782	7.33205	7.00701	6.95695
SFXN3	6.77216	6.54152	6.03276	6.21895	6.65166	6.50835	5.83371	6.75056	6.71962	6.53264	6.50001	5.99832	6.08682	6.23437	6.31896	6.68292
SFXN4	7.13758	6.47407	6.41639	5.63065	6.2896	5.67467	6.02361	5.93259	6.19536	6.33063	6.88573	6.98662	6.02692	6.3109	6.70561	6.65309
SFXN5	5.66749	6.11841	5.84922	5.81672	5.56396	5.43934	5.99946	5.92656	5.95553	6.11665	6.089	6.59641	5.30826	6.30457	5.93876	5.7276
SGCA	2.63482	5.02586	3.48538	3.46996	4.06073	4.00784	2.5047	4.67009	3.02333	4.85072	4.89126	4.66581	3.23246	4.1099	3.80883	3.28662
SGCB	6.36933	5.4315	6.36903	6.21237	5.69472	6.20935	6.61815	5.8995	6.60878	7.16569	6.06845	6.90032	5.53761	5.94989	6.35743	6.3114
SGCD	5.06976	4.84861	5.22506	5.06911	5.23405	5.43864	4.93653	5.32899	4.60918	5.63311	4.86073	5.65844	5.00773	4.98618	5.91964	5.1686
SGCE	6.79347	6.92136	7.39033	7.19145	6.77034	7.05524	6.07197	6.45975	6.1599	8.21576	6.97548	7.12429	7.10697	6.52354	6.74657	6.79087

SGCG	3.68019	1.54402	2.72411	1.80217	2.18367	1.4697	6.21754	1.61881	5.1046	1.74155	2.63321	1.19537	2.17097	1.1104	2.95994	2.59102
SGCZ	3.33951	3.03524	2.8391	3.1203	3.14557	3.17101	2.53476	3.27157	3.65431	2.23712	2.73426	3.35152	3.28382	3.09139	2.36623	3.28662
SGIP1	3.90594	3.44137	5.78447	4.62434	5.53895	4.10435	5.68623	6.85136	4.84572	4.5207	5.90319	5.77997	4.91397	5.46025	6.01459	5.59525
SGK1	9.30916	9.13692	9.55947	9.13748	10.9946	10.0139	10.0722	9.13804	10.7357	8.07801	9.62422	8.79858	10.783	10.0552	10.2444	10.1246
SGK2	7.11008	7.1885	7.24319	6.50559	6.75544	7.16903	7.23281	7.55559	7.03856	6.76219	6.94003	7.02326	7.2634	7.4042	6.75957	6.92778
SGK223	7.96848	8.49612	8.69245	8.73848	7.45844	9.25053	8.82456	8.72673	8.88342	8.41793	8.08385	8.97654	7.90059	8.4593	7.73538	7.9954
SGK494	5.05573	4.2436	5.77398	4.72736	5.84712	5.64719	6.42644	5.23625	4.33103	4.01812	4.15582	5.03158	5.76559	5.66827	5.97293	5.06834
SGMS1	7.56648	7.52217	7.55068	7.35446	8.06385	7.70327	7.42652	7.55351	7.64645	8.13742	8.67767	6.45207	8.18994	7.8378	8.18994	8.20362
SGMS2	7.67171	6.92674	5.25618	7.30071	5.08631	4.44343	4.18663	4.91313	5.13097	7.06673	6.65283	5.89522	5.29048	4.81497	5.39886	5.23078
SGOL1	4.92985	6.13121	5.90923	5.59515	5.57483	5.93081	6.15126	6.12693	5.95297	5.82034	5.85266	5.73398	5.71805	5.89886	5.82978	6.08539
SGOL2	7.05384	6.75751	6.61156	7.1553	6.65458	7.14735	7.80198	6.55916	7.61008	5.93381	7.34189	6.83931	7.11435	6.21479	6.89374	7.00926
SGPL1	7.10916	7.06209	7.60269	6.66401	7.50077	7.17445	6.99541	7.62288	7.73143	6.47888	7.28385	7.53803	7.14896	7.30355	7.14861	6.815
SGPP1	6.4479	6.85409	6.2608	6.94426	7.79386	6.76847	5.9784	6.07332	6.2804	6.00991	7.2057	6.32164	7.38512	6.65877	7.20502	6.93148
SGPP2	6.70066	5.84112	5.5189	6.23645	5.90458	5.62881	5.67221	5.72232	5.78459	4.92331	5.79211	5.00608	7.15825	6.69863	6.438	6.98832
SGSH	7.27077	7.50555	7.55529	7.13758	7.48119	7.52337	6.49982	7.66417	7.99805	8.18994	7.66483	8.037	7.19188	7.45526	7.26586	7.22727
SGSM1	5.39594	5.7454	4.92686	4.8246	5.59254	5.1356	6.51248	5.26864	4.79343	5.89788	6.48825	6.11372	4.44205	4.73535	5.74197	4.70093
SGSM2	6.46638	6.2284	6.34603	6.13152	6.44456	6.37535	6.77874	7.17199	6.50434	6.57567	6.13534	7.64234	6.3469	5.99244	6.30958	5.95392
SGSM3	8.16905	8.00713	7.71102	7.79463	7.41994	7.45606	7.82061	7.19719	7.7028	8.35838	7.36564	8.32646	7.5573	7.58379	7.19334	7.34053
SGTA	6.63225	7.31058	6.4813	5.49937	7.39494	6.23343	7.37234	5.65251	5.3574	6.46324	6.86056	7.61148	5.07725	7.59141	6.76303	7.72953
SGTB	6.39124	6.99578	7.25015	7.14861	7.02599	7.01699	6.62353	7.11463	6.99689	6.33933	7.43605	6.16926	7.14512	6.42316	7.11602	7.20458
SH2B1	7.10453	6.55737	6.93247	6.76123	6.09939	6.73309	6.31836	6.44114	6.50576	6.687	6.00325	6.82553	6.36841	7.07143	6.65633	6.75996
SH2B2	6.65883	7.05471	6.97588	7.30112	6.42338	7.25652	7.08169	7.08284	6.82928	7.12328	6.95347	7.38822	7.65921	7.60958	7.67312	7.2442
SH2B3	7.25991	8.26454	8.56201	8.25829	8.81879	8.73434	8.49302	9.11143	8.16276	7.51811	8.01409	7.95378	8.47183	9.08964	8.70013	8.67767
SH2D1A	4.41131	6.37481	6.81029	7.07841	6.41372	6.48665	4.94638	7.33445	6.91137	4.69357	8.13794	6.67057	7.27295	4.75563	5.85348	6.57921
SH2D1B	5.2755	4.95564	5.46159	5.87597	5.17906	5.35265	5.17033	6.13065	5.12561	5.36964	7.03686	5.51976	5.03614	6.24458	5.67978	5.12733
SH2D2A	4.61264	5.10307	4.89082	4.89975	4.92674	4.64929	5.06115	4.96893	7.01519	5.25952	7.87767	5.04593	5.71246	4.9646	4.13924	5.24347
SH2D3A	5.65486	4.41586	4.99121	4.08085	4.96649	5.22179	5.52538	5.48818	4.03261	4.74876	5.94445	4.87189	3.69464	4.77818	4.67817	4.56413
SH2D3C	4.05802	4.84645	4.10722	5.55081	4.45583	5.05202	3.40263	3.78217	4.37803	4.1094	3.99089	5.1367	4.27649	4.44022	3.81832	3.79701
SH2D4A	5.4983	4.22688	4.81861	5.54116	6.1019	4.60034	7.89278	7.42821	4.00589	6.1833	5.93047	5.18234	5.75136	5.86194	6.28422	5.60592
SH2D4B	4.13997	4.01765	3.13257	4.60376	3.32431	4.37334	3.76501	3.25357	3.71298	3.36001	3.26817	3.61408	4.87351	3.52815	3.12323	3.58879
SH2D5	3.06503	3.20291	3.59844	4.14041	2.65839	3.08198	4.06264	2.61382	3.9348	3.42914	6.75154	4.3216	5.61969	2.86263	3.86469	2.73131
SH3BGR	3.70138	3.46411	3.07458	2.98748	3.73869	4.33729	2.98815	4.06126	3.6241	4.31215	4.132	3.47261	4.71449	4.65943	3.63405	5.97118
SH3BGR	8.8433	9.85394	9.78173	9.55682	9.29585	9.81254	9.56083	9.82086	10.0844	9.72748	9.57819	8.89519	9.79789	9.38269	9.48403	9.71435
SH3BGR	7.85734	7.37635	7.22861	7.89457	6.94536	6.32734	7.62364	4.02048	7.46824	9.0037	6.57691	6.38732	6.65003	6.53759	7.27283	7.59042
SH3BGR	5.99039	8.44542	6.90283	7.59473	7.6884	8.15692	6.63735	4.48907	8.47942	6.85564	8.68047	7.10181	8.05986	8.38007	7.51096	6.46468

SH3BP1	2.21029	4.28339	2.74259	4.0617	3.22566	2.69944	3.29192	2.40011	6.13377	3.05259	5.41671	3.7042	6.16902	3.23061	4.99054	4.00732
SH3BP2	5.59977	5.41796	6.25296	5.99003	5.65844	6.53843	6.30532	5.61572	6.44456	5.79778	6.8113	6.49232	5.57201	5.63871	6.18773	6.38732
SH3BP4	6.41177	5.56523	5.88887	5.20903	6.31858	4.92049	5.8116	5.14127	5.44206	6.6676	5.01322	5.54732	6.12925	6.28311	6.16466	5.71666
SH3BP5	10.0415	9.6066	10.4548	9.99282	9.27564	10.1887	10.8054	8.95146	8.98598	8.71012	8.56923	9.31398	9.01581	9.7337	9.11184	9.9547
SH3BP5-	6.79252	6.62227	6.78258	6.32705	7.16569	5.36175	5.95685	6.80197	5.84112	7.1342	5.85869	6.09264	5.6866	4.73364	6.41838	6.6127
SH3BP5L	7.46529	7.30147	7.7232	7.13821	7.5738	7.95395	7.11689	7.65355	7.53123	7.49265	7.54351	7.70349	6.37128	7.71742	7.85153	7.67681
SH3D19	7.1342	6.59344	6.81379	6.34299	6.60124	6.38374	6.15255	6.98222	6.08449	7.54638	5.82506	5.0758	6.493	6.19975	6.62571	6.82357
SH3D21	6.32278	7.76234	6.98087	5.26197	6.64035	6.90107	5.77668	6.53713	7.15863	4.9553	7.16652	8.57592	6.68426	6.14859	6.34474	6.17476
SH3GL1	7.1455	7.35875	6.99179	7.2405	7.1267	7.55108	7.51605	7.39178	7.59121	7.46963	6.82623	7.42791	7.15229	7.5573	7.27283	7.39144
SH3GL1I	1.19711	2.18884	0.44922	1.55195	3.98376	0.61335	0.93298	-0.3067	3.98331	0.75071	2.97056	4.03129	1.11444	2.51368	-0.0459	0.27064
SH3GL1I	3.65386	3.90701	3.92989	3.52979	3.19256	3.9568	3.38168	3.6993	3.77106	3.70377	3.46916	3.70011	3.18543	3.30187	3.39928	3.30838
SH3GL2	2.61145	2.36797	2.29132	3.00618	1.3442	1.19537	4.37306	1.51119	4.39872	1.92074	2.27492	2.2269	1.41985	2.51368	1.6611	7.25098
SH3GL3	5.73768	5.41338	5.42546	5.06897	4.89233	4.90027	5.09722	5.67735	5.03697	5.1755	4.74336	5.40272	5.88481	4.43787	4.90556	4.50459
SH3GLB	6.53737	7.7303	7.45198	7.1494	8.00027	7.25599	6.44872	7.99407	7.60335	7.84223	7.96005	6.43116	7.5386	6.90997	7.57741	6.32459
SH3GLB	4.46892	5.15888	4.85914	4.08804	4.24417	4.07595	4.22389	4.4005	4.57214	4.73788	4.49669	5.67169	5.12665	4.9244	3.87682	4.78796
SH3KBP	8.23555	8.86928	8.7731	8.72521	8.68694	8.55623	7.90618	8.62967	8.64714	8.41922	8.38509	8.59366	7.71824	7.73373	8.69948	7.53069
SH3PXD	5.74785	5.36602	6.05425	5.59535	5.72232	5.21321	6.76219	5.90756	4.94152	5.7063	5.03535	4.63841	5.13399	5.47551	5.75253	5.33359
SH3PXD	4.16955	4.49731	4.16313	4.26515	6.46001	4.1494	4.4903	4.10002	3.97161	3.93408	4.24944	4.32878	3.97703	4.04773	4.18506	2.7492
SH3PXD	5.68888	6.3871	6.04314	5.94381	5.97716	6.53922	5.65616	5.69771	5.93115	6.4489	5.98945	5.91883	6.06179	5.88764	6.26766	6.13804
SH3RF1	5.83128	6.17931	5.75987	5.9455	6.75136	6.00079	6.17517	6.0207	5.4439	6.32869	4.83281	5.37493	5.22765	6.04417	6.89281	6.03469
SH3RF2	5.30826	5.44608	4.68499	5.15242	5.36443	6.77343	6.90197	4.65199	6.04492	5.21453	5.00482	5.59831	5.29011	4.93246	4.98755	5.20375
SH3RF3	7.80556	7.35785	7.55487	7.83193	7.0208	7.79159	6.63184	7.25954	6.99644	7.74695	7.04198	7.71287	6.93102	7.0306	7.4535	6.70583
SH3RF3-	2.40819	0.62135	2.17949	2.0998	1.54197	2.18538	2.1009	2.70064	2.28837	2.83032	2.91487	2.20167	3.00618	2.05268	3.01721	1.89302
SH3TC1	5.3795	5.90945	6.38675	6.1126	5.43485	6.04147	5.21059	6.10345	6.24994	5.99814	6.37431	6.27623	6.27556	6.41801	5.77214	5.86631
SH3TC2	3.9568	3.00894	2.47412	2.15806	2.31514	2.3531	3.75766	2.89864	3.21508	2.59594	2.69304	2.54448	2.55373	1.90826	2.85757	2.81407
SH3YL1	7.62912	7.07769	7.25662	7.10181	8.08932	6.94426	7.19036	6.50024	7.42977	7.66255	6.51914	6.73765	7.37585	7.43016	8.21095	7.66558
SHANK1	4.62405	5.30145	5.27161	4.3777	5.2999	5.19496	5.35566	6.12266	5.88688	4.5431	5.22179	5.3582	5.30542	3.90216	5.76009	5.61148
SHANK2	6.14599	5.30554	5.12426	5.75961	3.79811	4.2689	4.84794	4.81112	4.35308	6.62843	4.98232	3.85196	4.91953	4.57057	4.47779	4.53186
SHANK2	3.41112	5.27329	3.84282	5.61646	5.66533	5.26406	3.40901	4.99236	5.37446	5.87159	4.42745	5.74934	3.00618	5.14368	4.61047	5.34309
SHANK3	4.79626	3.66318	5.30604	3.45942	3.50445	5.01151	4.50167	2.85497	3.8966	4.78612	5.155	4.61534	5.12155	4.92249	3.84426	2.91928
SHARPIN	3.73406	4.33402	4.4962	4.70807	4.72375	4.33729	3.92606	4.5714	3.33041	4.20362	4.50609	2.99228	5.26645	5.29145	3.61218	4.61957
SHB	5.56314	5.99882	6.11714	6.06636	6.67233	6.74845	7.27377	6.33835	5.81974	6.34101	5.98534	6.65787	6.06475	6.2599	5.9832	5.44182
SHBG	2.85784	3.09358	3.37247	2.92162	2.73769	3.04945	2.90726	3.65408	3.72995	2.95492	3.07695	3.07028	3.17825	3.01384	3.55805	3.29988
SHC1	7.28538	7.67213	7.93282	7.21191	7.20717	8.04125	7.36274	7.30035	7.56225	7.74945	7.78878	8.17509	7.80998	7.50184	7.98921	7.60702
SHC2	7.05968	6.56296	6.33203	6.34698	5.96135	7.60146	6.33808	6.81098	7.05162	7.69546	6.2306	6.98553	6.26776	6.69403	7.29424	5.87377

SHC3	5.26764	4.80682	5.23003	5.78904	4.94125	5.00506	4.79283	4.60738	4.06388	5.81272	5.05847	5.13261	4.90556	5.26879	5.51727	5.41468
SHC4	4.83247	4.9146	5.68863	6.06438	5.1517	5.53637	4.24629	5.71586	5.49284	8.03892	7.13591	5.49487	3.27608	5.55777	5.11553	4.62754
SHCBP1	6.11935	7.41771	7.50595	5.63013	7.08411	7.12268	7.29437	8.04821	6.99217	7.00204	8.56997	7.21753	7.39967	6.12371	7.17711	7.35004
SHCBP1I	3.23662	4.64322	3.33383	3.08274	3.41088	4.82763	4.70432	4.9083	3.91489	4.0807	3.96629	2.69934	1.59204	3.64454	3.06557	4.70821
SHD	5.73217	6.06227	6.47688	5.45206	3.89996	5.19867	5.32281	4.33496	6.12635	6.14608	5.89151	5.76354	6.95289	5.65251	4.74768	6.86802
SHE	6.3022	4.53599	5.80993	5.5865	5.05142	5.7454	4.43305	6.45334	5.21505	5.75211	5.95874	6.19774	4.80647	4.7747	5.10961	5.21117
SHF	4.85757	6.00736	3.64717	5.8258	3.61465	4.63077	4.97071	5.18831	3.79382	6.6827	5.45459	5.26415	5.47507	6.47317	5.78145	6.37694
SHFM1	9.67862	9.69136	9.43871	10.2398	9.20892	10.298	10.5573	9.64364	9.64026	9.28504	9.50044	10.269	10.1104	9.94645	9.83281	10.058
SHH	3.52979	3.22812	3.35919	3.11234	3.55916	3.61918	3.17712	3.69848	4.22052	3.07203	4.72092	3.71177	2.95827	3.47324	3.33573	3.85758
SHISA2	7.15518	6.86192	6.89555	7.13124	9.42515	11.422	7.78294	6.73741	6.19282	7.91926	6.20565	8.03184	8.72304	6.63752	9.3797	7.21883
SHISA3	4.23422	6.17887	3.56906	5.69999	4.56051	6.35895	1.49083	4.16157	4.17624	4.77797	2.54194	2.83233	3.91647	4.56553	4.05558	5.62746
SHISA4	6.22938	5.61119	4.44939	6.28914	5.29145	4.75121	2.83966	4.47773	5.23533	6.87697	4.90886	5.38286	5.24301	5.11206	4.84205	5.46398
SHISA5	9.38907	9.10606	8.85361	8.34385	8.38186	9.28207	9.02815	9.77389	9.87278	9.25598	9.77064	9.58269	9.41034	8.60042	8.68868	8.95876
SHISA6	5.42243	3.9717	6.18979	4.81051	4.59728	3.391	3.32901	3.92749	3.36695	5.01601	4.63208	3.3733	2.7137	5.66451	4.026	4.50264
SHISA7	6.58037	6.85535	6.95289	6.96907	6.23348	5.84889	6.73533	6.50736	6.96229	6.80143	6.40207	6.52299	6.57865	6.87036	6.33445	6.83691
SHISA8	6.42897	6.86948	6.62898	5.68446	5.82175	5.8691	5.23969	5.40572	6.34176	6.6596	5.00328	6.47077	4.80971	3.31071	6.06816	4.97152
SHISA9	6.71502	6.91987	6.90487	6.61895	6.57275	6.83139	5.61572	7.15926	6.51148	6.7248	6.31578	6.417	6.96229	6.73765	6.63345	6.50052
SHKBP1	5.95067	4.50537	5.87421	5.37911	5.71918	7.56811	7.75166	5.59748	7.11703	5.1056	6.83126	7.47187	4.66581	4.24417	5.16259	5.67713
SHMT1	4.03533	3.57717	3.52848	3.74742	3.28822	4.11962	4.79259	3.30309	3.8342	3.22649	3.14328	4.66254	3.14932	3.37364	3.94624	3.81454
SHMT2	5.53494	7.25499	6.123	5.68623	6.61895	7.37763	6.58481	6.77805	7.18281	6.55976	8.11737	7.92399	7.17018	8.45462	6.67956	7.23912
SHOC2	8.17445	8.26791	8.38345	8.55383	8.28887	8.35571	7.28611	7.41008	8.32337	8.05254	8.5744	7.81085	7.72363	7.97095	8.28285	7.86922
SHOX	1.79935	2.29438	1.32681	2.55745	2.79083	2.53476	2.47678	3.17146	1.59296	2.85867	2.70123	3.08704	1.41985	2.05268	2.95994	1.73976
SHOX2	4.38754	4.51377	5.51949	4.86169	5.32123	4.54391	6.06598	5.55288	5.3962	4.61957	5.74427	4.25437	5.27742	5.61936	5.43204	4.88154
SHPK	7.29606	7.90137	7.31475	7.60871	7.38616	7.56925	7.33219	8.32303	6.90744	7.44886	6.9813	7.60493	7.75239	7.45726	7.53361	7.55999
SHPRH	7.26665	7.12889	7.29055	7.25719	7.22711	8.46622	8.0666	7.20402	7.18046	7.58784	7.2954	6.85555	7.72862	7.88943	7.64645	7.16246
SHQ1	9.37829	9.38206	8.82383	8.90826	9.01134	8.47386	8.38746	9.27726	8.83277	8.70926	9.32624	8.08445	8.27879	8.25549	8.45387	9.22523
SHROOM	6.05999	5.65526	5.72249	6.53205	5.11873	5.67859	6.45085	5.70643	5.68495	6.6142	5.32208	5.83196	4.68029	6.01309	5.39962	4.69519
SHROOM	7.25783	7.33361	6.94842	7.31389	7.50206	7.33157	7.5872	7.15837	7.46391	7.4084	6.88898	7.83558	7.66933	7.47423	7.91945	7.77962
SHROOM	6.4969	5.8995	5.56581	6.31723	6.2474	5.62225	5.7957	5.93216	5.9893	6.50774	5.23996	5.78238	5.69505	6.18631	6.10669	6.07064
SHROOM	4.3717	5.27487	5.7102	4.55949	4.14389	5.29011	6.31399	4.90609	5.29383	5.78381	4.2698	5.34383	3.15207	4.48301	5.60753	3.56983
SI	1.92303	4.48984	2.35871	4.28639	4.39851	3.04945	5.16332	5.10888	2.25875	2.95492	4.12088	4.59609	4.80971	4.91553	3.37408	2.99971
SIAE	4.68783	4.45332	3.504	4.04407	3.68581	3.46662	4.13803	4.20319	4.23119	4.166	4.61634	3.99287	3.79065	3.58027	4.36722	4.52512
SIAH1	4.25904	5.00773	4.6265	4.3331	4.51419	4.51707	4.89861	4.23895	3.97999	5.04296	5.81304	4.40595	5.53579	4.99067	4.72387	5.21352
SIAH2	6.02901	6.24655	5.55827	5.51387	6.24434	5.70543	6.3927	5.92496	6.7186	6.73346	6.94023	4.93488	6.0009	6.87036	6.38635	6.6686
SIAH3	2.65839	1.8084	2.11428	1.67907	1.42806	2.76484	1.32308	2.67421	4.62638	4.06894	1.87674	2.53152	3.28382	2.41572	3.91498	2.47807

SIDT1	7.38458	7.44302	7.02558	6.92817	6.61235	5.68517	4.98886	4.80693	6.61955	6.95154	6.99304	6.34505	5.89332	5.25618	6.86877	6.19135
SIDT2	7.91964	7.88943	7.99684	7.78949	7.30509	7.81974	7.15958	8.34481	8.16431	8.35018	8.60654	8.33093	7.91786	6.9799	7.32741	7.14234
SIGIRR	8.18994	8.01409	7.57931	7.86725	7.43579	7.1117	7.12328	7.07295	7.70895	7.60851	6.9154	8.52058	7.28361	7.88233	7.02532	6.90246
SIGLEC1	5.11031	5.89737	6.50979	5.41522	6.36107	6.4978	6.59734	7.77708	7.78656	5.76118	7.89062	6.91856	6.58066	6.44292	5.60785	6.70673
SIGLEC1	7.48402	7.55265	6.47613	7.55918	6.95677	7.14679	7.40489	7.78682	7.25599	7.14896	7.97582	7.96786	7.70723	6.91907	6.41177	7.78682
SIGLEC1	3.46371	3.63349	4.0279	4.54485	3.94319	3.85006	3.89796	3.46198	3.15902	3.52979	3.52632	3.41135	4.4062	3.36189	3.7209	3.6144
SIGLEC1	4.8689	4.49731	6.38823	5.19529	3.03309	6.01899	5.77371	6.02598	6.31085	6.01426	3.62297	6.36735	6.30041	5.03633	5.60325	5.05177
SIGLEC1	4.92663	3.38769	3.44341	3.00618	4.13167	3.09851	5.14682	2.40011	3.06765	3.29126	4.45712	3.47261	3.50584	3.62944	3.10868	3.03549
SIGLEC1	6.22938	5.92461	6.7438	6.2336	6.13735	5.4046	6.23636	6.77516	5.63875	6.91863	7.35599	6.68363	3.37673	6.01669	6.50845	5.18256
SIGLEC5	4.09491	4.64322	6.42401	4.66453	4.43422	4.53909	6.27821	4.79259	4.89423	4.26756	4.47807	4.81149	4.33163	4.65943	4.6804	4.71235
SIGLEC6	5.05252	4.72699	5.56929	4.94776	4.45264	5.49147	4.81772	5.42436	4.79885	5.66954	4.14509	4.33153	4.58277	4.42618	5.03997	4.11592
SIGLEC7	4.61765	5.51387	5.31789	5.03836	5.438	5.64209	5.20466	5.74024	5.12719	5.08048	6.04203	5.4513	5.09722	4.89742	6.03942	5.84429
SIGLEC8	5.05491	4.93968	4.51181	4.72447	4.33695	5.14611	5.24833	5.03176	4.9796	5.59711	4.99664	4.83857	4.23643	5.5093	4.67844	5.65752
SIGLEC9	3.4567	3.28675	3.65613	3.6256	3.65448	3.74792	3.55696	3.19037	3.81646	3.46275	4.24944	3.56237	3.75766	3.75913	3.41773	3.7755
SIGLECL	4.88056	5.59687	5.56651	5.71644	5.51788	5.48413	5.45881	5.45844	4.55066	5.70745	4.72254	5.14665	4.07063	5.17427	5.56375	5.34559
SIGMAR	6.70755	7.34773	6.79489	7.03265	6.59447	7.33179	7.59795	6.97241	6.99541	7.51651	7.49498	7.12462	6.8133	7.32518	6.74597	7.61729
SIK1	7.68518	6.86703	7.06209	5.74052	5.91087	6.4921	7.25567	6.17008	6.94256	7.18281	7.0773	6.83501	6.54748	6.83226	5.8913	5.54064
SIK2	6.53649	5.90626	6.20086	6.30069	6.29893	6.08176	6.35326	6.6267	6.07557	6.59283	5.9082	5.72288	6.07332	6.72015	6.36411	6.07413
SIK3	6.15108	5.93039	5.93541	5.81705	5.53716	6.15699	5.16241	5.63906	5.85731	5.97965	6.24994	5.41079	6.15366	5.69601	6.18849	5.91125
SIKE1	5.9363	5.82281	6.2306	6.32164	6.00522	6.25418	6.08113	6.323	6.04735	6.3569	5.89863	5.8151	6.05835	6.24852	6.10396	6.50381
SIL1	8.48742	7.86813	8.31327	8.19792	7.49022	7.62133	7.39879	8.41962	8.70495	8.97353	7.83799	9.08751	8.46227	8.57125	7.17104	7.46989
SIM1	2.86263	2.68324	2.7326	3.11051	6.87888	3.483	6.54955	4.23968	2.60835	2.7899	3.6792	3.51881	2.92289	5.85707	5.55632	5.97667
SIM2	5.30158	5.30292	5.10172	4.67509	5.68203	5.25807	5.52455	5.61919	4.92697	4.8415	4.72146	5.28736	5.65551	5.32082	5.17831	5.17955
SIMC1	6.91137	6.2608	6.21356	6.46539	7.66223	8.33571	8.36678	7.06419	7.66888	6.57312	6.87829	7.24588	8.29627	7.89413	8.11962	8.04178
SIN3A	6.44292	6.47515	5.4874	6.35116	6.27756	5.68843	6.12673	5.32082	5.75684	5.92548	6.03276	6.33063	5.58056	5.35251	5.78393	6.03728
SIN3B	6.05374	6.00667	5.88481	5.56014	6.41224	6.48609	6.57151	6.69213	5.98617	6.19241	5.70611	6.06866	5.06381	6.42572	5.89846	6.17517
SIPA1	5.06786	6.73138	5.20817	6.54728	6.11547	5.88087	3.95924	6.63155	7.36235	6.03991	7.04485	6.84709	6.47973	6.58555	6.17101	5.59764
SIPA1L1	6.41532	6.69495	5.99707	6.38496	7.01865	6.03567	6.5885	6.0054	6.01577	6.13469	6.42879	5.60353	6.50434	6.02499	6.47933	6.54319
SIPA1L2	5.75987	5.46952	5.45508	5.34089	6.52126	5.99832	5.13649	6.08951	6.02526	5.47803	6.11714	5.65506	6.05504	4.65169	5.61194	4.49959
SIPA1L3	5.38391	4.41729	5.35251	4.52911	6.01209	5.7212	6.04132	4.5782	5.43688	5.00797	4.58055	4.75492	6.22536	4.98786	4.86845	5.22442
SIRPA	5.68863	5.89143	6.08951	5.85412	6.13418	6.21417	5.18876	6.14859	6.7883	6.533	6.56837	6.62536	5.94415	6.65179	6.08422	6.75718
SIRPB1	4.64846	4.61514	4.63911	5.06279	4.5782	4.29147	4.22106	5.29562	5.08048	4.97599	5.37736	4.04855	4.99004	4.56005	5.17515	4.67471
SIRPB2	2.79297	2.74824	2.61382	3.46996	3.26091	3.22527	3.39293	3.08616	3.02333	2.42411	3.33935	2.94469	3.10377	2.44811	2.07498	3.66526
SIRPD	4.60678	6.91774	6.78466	6.94208	5.86972	5.0543	6.86547	7.16207	6.44783	6.10171	5.92496	6.59208	6.26989	6.2781	6.51043	6.54712
SIRPG	5.9554	6.52544	7.16613	5.77438	6.58169	6.8336	5.47673	7.04441	7.41994	5.48246	6.50885	7.01614	6.86122	6.36989	6.59837	6.28161

SIRT1	8.06888	8.52134	8.55517	8.60718	8.69522	8.39758	7.69452	8.19126	7.64645	7.94485	8.06128	7.84487	8.42381	8.6349	8.84034	9.65751
SIRT2	5.90202	5.12587	5.48455	5.05401	5.10201	6.25369	5.10115	5.63587	5.73085	5.90129	5.14009	6.09404	5.92763	5.88851	5.3496	5.44744
SIRT3	6.79668	6.23883	6.09189	6.0042	5.81684	5.89644	6.57865	5.86985	7.12006	6.92116	6.35633	6.48699	6.8247	6.93646	6.78294	6.84551
SIRT4	3.78013	4.07755	2.76844	4.45043	3.33071	4.27879	3.59806	3.71345	2.57877	4.78796	2.44429	4.19411	3.6535	2.63689	3.30112	2.9333
SIRT5	5.89251	5.93903	5.61383	4.77076	6.10715	5.71141	5.35416	5.59906	5.41899	5.72307	5.71442	5.36928	5.45694	4.74678	5.56841	5.93403
SIRT6	7.51829	7.31648	7.45743	7.37305	7.55668	7.26681	8.01802	7.20937	6.97736	7.51329	7.15992	7.57827	7.39456	7.8597	7.3786	7.55589
SIRT7	8.08201	7.79439	8.05225	7.59032	7.02126	7.49746	7.4195	6.69137	7.28099	7.31625	7.70929	7.5023	6.52681	6.46578	7.28842	7.27295
SIT1	7.19234	8.3899	7.20465	8.12416	7.4145	7.87876	6.20735	7.74451	8.1498	5.80309	6.92438	8.83393	7.20309	6.20259	7.16687	7.45726
SIVA1	6.4743	6.91674	5.84375	7.02171	5.88373	6.54125	5.99679	6.17219	5.81627	5.60235	7.1455	7.40742	7.33445	6.14022	5.9051	6.33496
SIX1	6.42743	5.98749	5.34161	5.39524	5.26512	5.49559	5.57644	5.06647	5.6613	5.89446	5.20742	5.08103	5.47164	4.91924	4.79885	5.93654
SIX2	7.44793	7.0263	5.81684	6.76031	6.23263	6.08881	6.32017	4.50459	5.20129	6.45334	6.38914	5.08913	4.56504	5.81488	3.6916	4.51377
SIX3	4.2994	3.51239	3.47791	3.69577	3.8473	2.98152	5.01785	3.9568	4.28945	4.94892	6.24118	2.69081	4.28228	2.96082	3.78662	4.06136
SIX3-AS1	6.00298	6.04946	5.53096	5.69999	5.58134	6.19825	5.60339	5.95144	5.62571	5.97187	5.64806	5.61969	6.5318	6.22003	5.29656	6.18888
SIX4	6.9609	5.80008	5.07648	6.21991	6.11511	6.08272	4.83644	5.69337	6.22768	6.27726	4.43432	5.6613	6.6449	5.11528	3.80555	6.64457
SIX5	4.7443	2.52957	3.25894	3.95868	4.27004	4.43867	3.00101	3.59043	5.44452	5.04714	3.66538	4.22534	3.7924	2.90235	2.02692	4.13607
SIX6	4.84143	5.52577	5.55069	5.43104	5.13544	5.67044	5.67516	4.63743	4.14509	5.46729	4.80626	3.10037	4.77152	5.6019	5.38754	4.42279
SKA1	1.64611	4.43918	4.30526	4.34751	5.56052	4.64929	4.34799	2.78286	4.85676	4.84572	5.42908	4.10127	4.41983	4.02841	3.8556	4.76686
SKA2	7.54382	8.58048	8.57193	8.31881	8.37711	8.90713	9.16963	9.24862	9.02378	7.46003	9.19651	8.36706	9.26363	8.11439	8.41335	8.60896
SKA3	5.82524	6.59447	5.4513	5.05078	6.92033	6.03949	6.71054	6.2997	6.99644	3.44491	7.73337	6.2538	5.70553	6.04515	5.94601	6.74268
SKAP1	7.64485	7.72378	8.22214	8.19509	7.66086	7.85153	5.88592	8.28645	7.8738	7.28396	7.61336	7.47821	7.57366	6.69077	7.86869	7.51264
SKAP2	6.32382	6.70005	6.05942	6.77706	6.73406	6.29156	6.81873	7.11689	7.05868	5.71975	7.11716	6.3204	6.41639	5.94721	6.68791	7.07424
SKI	6.8223	5.78106	5.53362	5.52262	5.48864	5.85187	7.12034	5.78962	6.86793	5.96291	6.46176	6.21509	5.1344	5.91616	5.59946	5.80567
SKIDA1	2.45891	1.73746	1.34502	0.5704	0.9589	2.08404	2.01376	2.01729	1.73702	2.10058	2.35791	1.68236	0.93298	2.10775	0.96595	2.24315
SKIL	5.99873	6.44275	6.90628	6.40514	6.79158	6.37311	6.03871	6.03469	6.44926	6.1633	6.25904	6.53737	5.95223	5.41589	6.41254	6.25446
SKIV2L	8.26218	8.10408	8.21095	8.17543	8.20672	8.30473	8.25183	8.57292	7.89617	7.98082	7.9785	8.65073	7.51127	8.69356	7.94249	8.04267
SKIV2L2	7.77708	7.40123	7.75932	7.74752	7.72291	7.80406	7.93762	8.08028	7.43579	7.689	7.53803	7.07804	7.30197	7.67515	7.53155	8.03983
SKP1	9.90936	9.59677	9.35321	9.73065	9.43764	9.89971	10.1277	9.92065	9.96791	9.86852	9.15368	8.8333	10.0778	9.7543	9.54799	9.88096
SKP2	5.31846	5.64319	5.36879	5.30969	5.81438	5.83248	6.29156	6.20735	5.41534	5.14791	6.33407	5.10864	6.63705	5.9262	5.90179	6.64108
SLA	5.93381	7.43254	8.00769	7.91831	8.4499	7.79926	6.1073	6.72335	8.86001	5.73705	7.7621	7.81833	6.57211	6.01504	7.33179	6.7914
SLA2	5.42929	4.97056	4.53474	5.42892	6.42388	5.26675	3.15245	6.71607	6.31836	4.90215	6.20437	5.15063	6.17362	5.39933	6.1613	5.54389
SLAIN1	5.878	5.74435	5.60149	6.27239	6.21114	5.8754	6.60922	5.8726	5.68926	6.82917	8.22485	5.26415	6.14906	6.00821	5.81981	7.21213
SLAIN2	5.22694	4.53734	4.54926	5.22858	4.12984	4.77857	5.01689	4.5294	4.21854	4.42849	4.68542	3.15051	4.27418	4.24199	4.77762	4.17056
SLAMF1	5.40444	5.79198	5.81289	5.15599	6.01673	4.57356	5.54416	4.81648	5.85266	5.16778	5.78092	4.99543	5.82886	5.49125	5.08852	4.74959
SLAMF6	7.49883	7.85986	7.68698	8.52134	7.06274	7.84356	7.66395	8.68785	7.98156	7.66647	7.68808	7.23509	7.8854	7.27126	7.95413	7.83822
SLAMF7	5.19435	6.33597	7.47527	6.47043	5.4378	6.09232	5.56754	6.39759	7.40094	6.79281	7.76017	6.60163	6.09131	5.54137	5.94251	5.94774

SLAMF8	5.9868	8.22106	8.1697	7.85403	7.84521	8.12204	7.49594	8.8861	9.31324	5.63775	9.08188	8.10743	8.18359	7.1396	8.10655	8.21298
SLAMF9	3.60505	2.73594	2.69522	2.70698	3.13704	3.96928	3.78507	3.07422	3.16183	3.70541	4.22557	3.13607	4.85676	3.23455	3.79065	3.6256
SLBP	7.4001	8.2698	8.09491	7.5405	8.97832	8.82487	9.35525	9.25277	8.46655	8.06218	8.97054	8.77063	8.81366	9.04808	8.9826	8.82316
SLC10A1	6.15937	6.72304	6.07272	6.25347	6.50348	5.3672	6.12515	6.72473	5.8292	6.71999	6.77689	6.61432	6.66317	5.879	6.34779	6.77848
SLC10A2	3.56191	3.27087	2.59102	4.24629	5.07679	2.69944	4.73125	3.56906	5.00335	3.02948	4.42745	5.85386	4.63261	2.95261	4.44094	5.06904
SLC10A3	6.44688	6.28689	6.57044	6.02751	6.32989	6.13111	6.94683	5.6453	6.70524	6.07564	6.92986	7.0099	6.54284	6.98515	6.68626	6.55702
SLC10A4	4.42363	3.59749	2.21086	1.73098	1.64332	2.15563	3.49217	1.96139	1.63986	2.47565	1.1038	1.41969	4.55026	1.36152	2.9127	4.17756
SLC10A7	5.10681	4.8012	4.81708	5.07599	4.55918	4.75855	4.38855	4.65119	4.42849	4.3624	5.72995	4.67128	4.62626	5.00238	4.69768	5.16028
SLC11A1	4.3863	4.6971	4.38559	4.41644	4.79935	4.44041	4.66602	5.06539	4.28984	4.3486	5.99097	5.00815	4.86934	4.68925	4.28781	5.35585
SLC11A2	5.77268	5.87762	5.22492	5.85506	5.8211	5.88266	4.54756	4.95496	5.88036	5.89502	6.03254	5.16259	5.66954	5.1106	5.76312	5.41963
SLC12A1	4.11705	4.68542	4.9847	5.93039	4.60821	3.82827	3.62721	4.88285	4.06814	5.05401	3.9636	4.65478	5.27149	3.9739	4.55446	3.6881
SLC12A2	8.86712	8.1843	9.32203	8.22001	7.39005	9.19651	7.85105	7.81773	7.92634	11.3656	8.00492	7.71102	7.95813	7.38474	8.10173	7.37522
SLC12A3	4.08018	3.90824	4.41644	3.78054	5.34141	4.34754	5.0244	4.9958	4.86331	4.94638	4.58988	5.12733	4.37481	4.99763	3.83921	4.6016
SLC12A4	5.29344	5.39197	5.24782	5.62406	5.53595	5.29344	5.3654	4.81915	5.17863	5.09372	5.6242	5.69321	5.36028	5.43532	5.20862	5.13338
SLC12A5	6.19203	5.96305	5.72202	6.55391	5.7079	6.58522	5.86149	6.88191	6.19114	5.37867	6.42817	6.90423	6.20065	4.27418	5.92996	5.94638
SLC12A6	7.1053	6.93183	6.43998	6.70511	5.4553	6.01722	6.13065	7.01754	7.20402	6.77117	6.93357	6.66929	6.63394	5.59486	6.67568	6.10809
SLC12A7	9.76219	9.5431	9.4421	9.65881	9.82086	10.3502	9.77645	9.65997	9.45067	9.26978	9.39322	10.298	9.34547	10.1211	10.0971	9.85721
SLC12A8	4.89528	6.38623	6.07859	4.44124	5.42209	6.1219	5.96527	5.60903	4.55668	4.93233	5.94393	6.85248	3.28382	6.02588	6.44498	5.76606
SLC12A9	5.18381	5.35699	4.26628	4.63704	5.55145	5.63775	4.72787	4.42735	5.11924	4.92969	5.25011	6.10003	5.10351	5.09175	4.32782	4.89893
SLC13A1	2.42455	4.33928	3.06557	3.41734	1.5627	2.38686	1.70848	2.3893	1.57334	3.01667	1.57779	2.60305	2.03262	2.10686	1.70284	1.97336
SLC13A2	4.93717	4.99883	4.50759	3.93204	3.34362	3.32841	3.11416	2.94819	4.96649	6.82609	3.02067	3.3441	3.20589	3.63634	3.50666	2.9557
SLC13A3	5.32306	4.53621	4.36607	4.88202	4.80031	4.88621	5.0905	4.12751	4.54689	4.77076	4.46011	4.50847	4.90488	4.67069	4.9742	5.3882
SLC13A4	5.45637	4.06571	4.10455	4.29377	4.15744	4.0956	4.14005	3.93793	4.04754	2.95492	4.07031	4.49442	4.8922	5.55549	4.71918	4.27608
SLC13A5	6.25948	5.94638	6.26672	5.77035	3.68084	5.38924	4.3989	4.24814	5.70095	6.13152	6.29119	6.05262	4.79774	5.57489	5.27633	5.72006
SLC14A1	4.83417	3.99461	5.00871	5.91	5.01451	5.56798	3.17184	3.96598	4.37463	4.71325	4.47233	3.80377	3.56378	4.95585	3.34753	2.81532
SLC15A1	5.34359	5.15242	4.33243	4.93921	5.20976	5.31712	4.48961	4.99543	4.7474	4.83492	5.92351	5.42251	5.13261	4.64341	4.89629	4.36458
SLC15A2	8.22892	7.41725	7.68379	7.04754	6.15413	6.06227	5.52374	5.88542	7.50769	7.20816	6.11163	6.5681	6.0528	5.31438	6.44429	5.6952
SLC15A3	7.08637	8.11142	8.03214	7.54102	7.26302	7.48041	6.84737	6.52183	8.22932	6.72319	8.41852	7.67515	7.06607	6.83647	7.09489	7.43454
SLC15A4	6.20478	6.7305	6.53748	6.48506	6.3351	7.04806	6.5877	6.80357	6.93659	6.08539	5.54035	6.65458	6.03028	6.33746	6.31417	6.86032
SLC16A1	5.37446	5.64746	5.30066	4.75257	5.80008	5.36506	7.02669	6.43347	5.36727	4.66437	6.73545	6.38514	6.54188	5.57103	5.96732	4.61302
SLC16A1	2.90323	4.04577	5.20492	3.80455	4.008	4.35134	4.65356	4.31371	3.91094	3.88835	5.18766	3.42132	4.68296	4.04173	4.58199	5.20337
SLC16A1	3.69848	2.8872	3.20113	3.62197	5.37344	3.52647	3.39966	2.51089	3.60094	4.01749	4.38357	2.05894	4.01612	3.34081	3.16609	2.37612
SLC16A1	7.01358	7.19009	6.83226	6.99069	6.72968	6.90375	6.51968	6.32531	6.43229	7.28595	6.66929	6.80263	6.75356	6.97788	6.03664	6.83657
SLC16A1	7.98863	6.85121	8.10791	7.38189	5.74166	7.05419	5.6314	5.82506	6.26758	8.47825	5.20807	6.23393	4.28649	5.08737	5.8839	3.48415
SLC16A2	4.9403	4.00768	3.70804	5.86075	3.96564	4.89066	5.30403	4.18478	3.31034	6.51684	5.25417	6.02313	5.14648	3.87671	5.38203	3.97214

SLC16A4	1.96392	1.35876	6.59933	4.36112	5.37462	5.15052	2.42155	3.94809	1.45473	5.79159	4.62208	4.873	0.6691	2.99448	4.1596	1.85717
SLC16A5	7.45339	5.4645	5.1487	5.74089	5.29334	5.52374	5.47271	4.94638	5.48413	4.96316	5.00186	5.26217	4.09906	5.38643	5.1106	5.15466
SLC16A6	5.67417	6.59933	5.84362	6.2245	5.49464	6.58441	5.02328	6.1275	6.39572	5.46016	7.04312	6.66787	5.72192	6.08317	5.58847	6.03712
SLC16A7	5.33448	5.05935	5.5131	5.72608	4.62412	5.2845	3.89481	4.56534	4.54584	4.3157	5.86472	4.67817	3.8399	3.92821	4.37118	3.94704
SLC16A8	6.14693	5.83371	6.32366	4.88519	4.14049	5.83799	4.70432	4.74277	4.29487	7.18517	4.66895	4.92917	6.83067	5.58961	4.22367	5.74894
SLC16A9	7.59162	4.06571	3.72265	4.50716	3.52527	3.30682	3.63379	2.731	4.07916	7.82162	4.28892	3.4402	3.64142	3.36587	4.72569	3.38208
SLC17A1	2.5929	2.79997	3.24817	3.29411	2.56958	3.71882	3.62805	1.76387	4.04407	3.49824	3.38031	3.60594	2.76765	3.60881	3.45856	2.79997
SLC17A2	3.04535	2.81246	3.84282	2.31308	3.27783	2.48692	3.23578	3.90071	1.63986	4.48984	5.07971	2.46803	2.29255	2.16332	2.10058	3.31065
SLC17A3	5.24859	3.91554	5.10007	5.50571	5.21228	4.66791	5.85864	4.99236	4.9172	5.18249	4.37803	5.97527	5.23232	3.6977	5.53655	4.62412
SLC17A4	5.59996	4.79101	4.84626	5.59162	5.36018	4.99867	4.15684	5.10572	3.73786	5.68604	4.95395	4.63436	5.03965	5.06279	5.32306	5.69841
SLC17A5	6.6125	6.2458	6.31023	6.69495	5.88796	5.92663	6.4479	6.10943	5.73131	7.02299	6.07029	5.40648	5.67035	5.89265	6.01927	5.42135
SLC17A6	2.72538	2.29438	4.27028	5.53338	5.69831	4.56925	5.26131	3.69279	5.02776	3.20323	3.07695	4.88663	5.18263	5.17427	4.59094	3.71736
SLC17A7	5.48792	4.84181	5.57494	6.13436	4.49983	4.81967	5.28144	5.96167	5.04513	4.57572	5.28829	4.51815	5.43449	5.20492	4.69821	6.27938
SLC17A8	0.11027	3.40176	4.14389	1.26539	1.64332	3.82218	2.96225	1.79233	2.58986	1.82992	1.15042	1.80953	2.17097	3.71992	1.81049	1.32709
SLC17A9	5.73584	5.79795	5.23546	5.0631	4.99415	4.9792	4.99121	5.61798	5.85235	5.35918	5.81858	6.61041	5.81123	5.86631	5.15281	5.5234
SLC18A1	4.78908	6.18435	5.42404	5.42787	5.08771	5.21505	5.47996	6.02598	5.89854	3.6977	5.48278	5.3582	6.77986	5.95512	6.61895	6.60736
SLC18A2	5.67243	5.86436	4.95075	5.33359	5.77556	4.85179	5.68112	6.30909	5.49265	5.72333	4.79475	5.96182	3.13476	6.31242	6.91931	3.75665
SLC18A3	3.23662	3.04911	3.40102	3.23213	3.98376	2.72526	2.67152	3.56906	4.04754	2.80132	3.46534	3.08704	3.0877	2.77311	3.7606	3.53602
SLC18B1	8.72123	8.35291	7.84604	7.76404	8.5244	8.40309	7.22111	7.6068	8.93264	8.77496	7.72752	7.88653	7.91288	7.26649	7.81197	7.62288
SLC19A1	1.58613	2.40407	3.30982	1.41342	3.10196	3.29459	1.65894	3.16088	2.51538	1.72326	1.86408	2.21456	2.24639	3.25403	1.54445	1.57334
SLC19A2	7.55453	6.53782	7.25599	6.55968	7.13062	6.94902	7.07279	6.76563	7.05573	7.52841	6.9017	6.84871	6.71791	6.43444	6.92304	7.22425
SLC19A3	5.40944	5.39524	5.05781	4.48388	4.94079	3.58989	5.16136	5.33851	4.75041	5.05935	5.16578	4.6592	4.02774	5.06097	5.52538	5.59022
SLC1A1	5.40501	5.28169	4.97134	4.89581	4.62017	4.11132	5.33224	4.53056	4.55848	5.77268	4.47073	4.68296	4.71386	4.48995	4.51419	5.70032
SLC1A2	3.93872	4.74035	3.73212	4.08258	4.47779	4.307	4.25176	4.64174	4.13924	5.67978	4.00838	3.61186	4.31046	5.52833	4.5792	4.02075
SLC1A3	4.1603	4.02075	5.1147	5.52864	6.48478	7.35274	4.46592	6.63002	5.12603	5.23378	5.40205	5.12697	5.77438	4.08055	5.69118	5.93474
SLC1A4	7.47457	7.45339	7.75049	7.46566	6.63002	7.14971	7.62972	8.02057	7.47017	8.05838	7.9765	7.74792	7.64234	7.98529	7.74678	6.54977
SLC1A5	7.71385	7.12292	7.23753	7.01939	6.78161	7.36509	7.27309	7.41252	6.95076	8.0316	7.17269	7.07198	6.89158	7.07219	6.76859	7.3332
SLC1A6	4.25308	2.88516	3.95471	4.62693	3.34284	4.75257	3.40389	3.87736	3.72138	4.33416	3.73393	3.73945	3.8966	4.03935	3.76637	3.72561
SLC1A7	4.39426	4.77096	5.05543	4.64244	5.28972	4.7443	4.65232	5.45177	5.35829	4.60364	5.44924	5.98768	5.02776	5.27941	5.24111	5.60443
SLC20A1	8.40046	8.56201	9.15028	8.19619	7.96917	9.19307	8.38687	8.97054	9.37708	8.22674	8.94645	8.10013	8.25183	8.18753	7.98057	8.72446
SLC20A2	6.42644	6.30738	4.71654	6.30863	6.14124	5.25726	6.62448	5.72395	5.98551	5.14584	6.06314	6.54427	5.972	5.23942	5.4377	6.44633
SLC22A1	4.15633	4.81915	5.22874	3.31099	5.8916	5.16063	4.82631	5.3634	4.92985	5.55006	5.18915	5.23859	3.19903	6.03781	4.89253	5.63419
SLC22A1	1.87757	1.88256	3.25331	2.43076	1.77016	2.39513	2.0296	2.34717	2.35886	2.47565	2.07483	2.91196	2.83935	2.13594	2.36623	2.15094
SLC22A1	2.79297	2.94714	2.17949	2.63639	2.36593	2.48692	1.98828	3.45352	1.87545	2.12186	2.58746	2.6814	2.00801	2.37224	3.44194	2.9809
SLC22A1	3.29685	3.06378	3.64717	3.30112	3.71929	3.57327	3.87897	3.52249	3.00175	3.46275	3.49378	3.7042	3.42036	3.44975	2.881	3.40822

SLC22A1	5.81705	6.46131	6.72166	6.36695	6.2982	6.32278	6.36379	5.97235	6.18646	6.73948	5.4479	6.79897	6.59848	6.70182	6.37643	5.98219
SLC22A1	6.29625	6.83419	6.35993	5.83848	5.80173	5.61194	5.69071	4.97563	5.09913	7.09849	6.71827	5.88076	1.93701	5.75101	5.92232	5.77235
SLC22A1	6.75475	8.371	5.64846	9.36926	5.70646	5.72755	4.42997	6.48947	4.71933	5.33606	5.70584	5.89189	5.42776	5.66671	4.6209	4.69861
SLC22A1	4.50459	4.54176	3.61521	4.95627	4.33745	4.7581	4.70745	4.6316	5.36928	6.25446	3.72561	5.41376	3.20688	5.15554	3.79013	3.02852
SLC22A1	8.11253	7.76234	7.20587	7.30631	6.91907	8.22106	8.22674	7.30878	8.04267	8.31492	7.32176	8.4703	7.74451	7.97532	7.44372	7.3761
SLC22A1	4.86397	4.59455	4.69482	4.7744	4.70851	4.44183	4.99448	4.74277	4.66437	4.57223	5.69186	5.20401	5.98027	4.66808	4.963	4.85101
SLC22A2	4.18547	2.74824	2.75954	2.61385	3.09072	4.02752	2.3531	2.91144	3.76729	4.00197	3.19795	3.405	4.6382	3.92481	4.15496	3.47381
SLC22A2	5.34812	5.27088	5.16701	5.2376	4.9277	5.15309	4.97462	4.90633	5.11089	4.92903	4.59074	5.05142	4.79228	5.55253	5.467	4.77076
SLC22A2	6.42136	6.60169	6.49798	5.61264	6.11547	6.76807	6.86307	6.81728	6.19282	6.49618	5.92694	6.77204	6.89989	6.55748	6.69189	6.6015
SLC22A2	4.85358	4.9576	4.72447	4.94868	4.71667	4.58988	4.90076	7.02582	4.83307	5.26675	5.85125	5.34179	5.16701	5.43204	4.86772	5.07841
SLC22A3	5.83248	5.85427	5.91135	5.96696	3.97	6.72599	6.14279	5.21707	4.47294	7.46791	6.07154	5.0902	4.29087	5.0631	3.62063	3.99352
SLC22A3	6.61649	6.76008	7.18387	6.49761	6.8858	6.70289	6.42265	6.63155	6.79656	7.60091	6.89606	6.34758	7.4619	7.26124	6.0207	7.20391
SLC22A4	10.2583	8.1411	6.84076	9.18298	6.64127	6.41398	6.44154	6.8336	7.34263	7.45138	7.28966	7.34693	5.67467	6.22685	7.02436	5.79002
SLC22A5	5.2546	5.0747	5.20073	5.11563	5.13318	5.06815	6.06247	5.10138	5.25582	5.50567	4.66602	4.40218	5.61594	4.87023	5.29777	5.36091
SLC22A6	4.54346	5.34266	4.69252	4.99336	4.92858	4.87712	4.79956	4.87525	3.85595	4.60697	4.84181	4.64889	4.38415	4.51222	3.80647	4.75435
SLC22A7	4.05472	4.00224	3.45182	3.69634	4.11186	4.30494	3.51239	4.40518	4.45067	3.98645	4.20362	4.44124	3.98391	4.17266	4.11705	3.98645
SLC22A8	4.01736	3.52145	3.01476	2.76695	2.79576	4.30102	3.69409	3.67359	3.30026	3.44049	3.41088	4.27298	3.1335	3.1387	3.36436	2.9516
SLC22A9	5.68623	3.78714	5.56456	5.75909	3.87693	5.96787	5.99786	5.49051	6.19667	4.72103	6.0376	6.16815	6.15236	5.02586	5.78145	5.79136
SLC23A1	6.96523	6.03446	3.59844	7.24367	2.9933	2.95599	3.27441	3.98218	4.23358	5.58409	3.53424	5.98895	3.57524	3.44975	3.71004	3.48415
SLC23A2	4.61514	4.92674	4.82616	4.84227	5.49777	4.65137	4.91388	5.40124	5.4541	4.67342	6.1194	5.21505	5.30315	4.89423	5.10752	5.34851
SLC23A3	6.38151	6.64326	6.87868	6.27821	6.90134	6.8226	6.11888	7.18981	6.18324	7.23313	6.5318	6.31668	6.50148	7.02068	6.05143	7.11527
SLC24A1	5.92734	5.49487	5.93233	5.93689	5.63274	5.49629	5.89084	5.60814	5.62022	5.48534	5.55891	5.36028	5.28201	5.76449	5.54011	5.64954
SLC24A2	4.54485	4.64753	4.14096	5.20796	4.92159	4.39114	3.51576	4.85291	4.9034	4.10879	4.50317	6.18379	4.95564	4.10435	5.99489	4.80436
SLC24A3	5.90353	4.85334	6.8502	5.81398	6.33298	6.0519	5.06879	5.89935	5.46928	8.36393	6.51571	6.18589	5.13649	5.69946	5.77011	5.80863
SLC24A4	4.76681	4.59056	5.56185	4.2698	3.92098	4.15309	4.35515	4.81051	4.44278	4.54485	4.61339	4.18506	4.75315	4.39818	3.74062	5.28765
SLC25A1	7.81607	8.5288	7.60624	7.33981	7.27909	8.06728	6.79149	7.27263	8.44501	8.44607	7.8431	8.84687	7.67728	7.59021	7.90401	6.81012
SLC25A1	6.73301	6.37184	4.80292	3.72039	5.24432	5.049	6.15963	4.24814	6.54247	6.9069	5.77214	6.08191	6.1129	6.4173	4.74294	5.82766
SLC25A1	7.83799	8.10994	7.87248	7.75576	7.67863	7.67899	7.0263	6.69578	7.49911	7.05016	7.91603	8.35464	8.18689	8.26668	7.68874	7.72117
SLC25A1	7.63966	8.09982	7.7785	7.46505	7.9507	7.23328	7.98438	8.02589	8.26281	8.04702	8.04669	7.8097	7.64471	7.18347	8.1889	8.10571
SLC25A1	6.18631	5.52262	6.11977	5.17033	6.06475	6.35462	6.9415	6.76898	5.92567	5.87687	6.74045	5.6972	6.29614	5.37219	6.65458	7.08016
SLC25A1	7.59935	5.66749	6.01381	6.14509	5.88168	5.90723	5.79626	5.78904	5.44738	5.62634	6.20404	5.60876	5.65565	5.55288	5.9431	5.51128
SLC25A1	4.37858	5.01527	4.30918	4.46892	4.41097	3.98554	3.96867	4.51377	4.36536	5.05005	5.62474	4.08195	4.13181	4.42597	4.50253	4.80207
SLC25A1	6.59641	6.85291	7.03819	6.49283	6.83992	6.88319	6.79938	7.07841	6.93646	6.90134	7.07656	6.21535	6.84972	6.9108	6.97093	7.14657
SLC25A1	7.3395	7.30479	6.94031	6.96496	7.46003	7.76388	7.53627	7.45941	7.2774	7.65049	7.52046	6.85927	7.67899	7.49352	7.16727	7.27221
SLC25A1	1.96392	2.77081	1.73976	2.12186	1.73976	2.81599	2.0296	1.67907	2.88086	1.92074	1.85273	2.6814	2.7752	2.22838	2.26702	2.61375

SLC25A1	7.00647	7.0472	7.8419	7.4963	6.55019	7.11869	7.54662	7.50195	7.36235	6.27228	8.50644	7.72798	7.33899	6.80386	6.40904	7.70081
SLC25A2	5.21272	4.75713	5.65538	5.82067	5.66533	5.03715	5.49535	5.38853	4.65199	5.64594	5.63617	5.2799	5.41348	4.59647	5.68156	5.92868
SLC25A2	6.33746	6.93406	7.12877	6.16141	7.33098	6.46938	5.82817	6.83862	6.42327	6.61572	7.24104	7.15498	6.18038	6.73228	6.88505	6.2844
SLC25A2	2.88015	3.69964	4.35197	2.92162	4.3537	4.61747	4.18377	4.11111	4.36917	4.47533	2.6113	4.37137	5.88871	3.39861	4.73809	1.32709
SLC25A2	4.75238	5.33296	5.63471	5.17832	4.35974	5.08982	4.93154	5.12208	5.10973	4.63184	3.91647	2.17829	3.73495	1.72157	3.60386	4.46917
SLC25A2	8.14205	8.27303	8.71838	8.02942	7.85138	8.27954	8.4172	8.36678	8.3341	7.96702	7.90443	8.46204	8.23425	8.38345	7.90882	7.93282
SLC25A2	6.04935	6.19536	6.13852	5.73768	6.39033	6.20209	7.21604	6.17495	6.39199	6.4743	5.59	5.03633	5.97761	4.91953	5.62362	6.37347
SLC25A2	7.18028	7.54789	7.71993	7.58986	6.73545	7.53361	7.65828	7.26072	7.57667	7.18007	7.67813	7.30538	8.14844	7.03173	7.09549	7.55265
SLC25A2	7.97191	6.8942	7.12877	7.2954	6.55763	7.45765	5.78423	6.11327	5.85866	6.80782	6.96402	7.23713	7.10583	6.66049	6.08253	6.51546
SLC25A2	9.02753	8.83036	8.08258	8.60597	7.89962	7.26413	7.69972	7.37635	8.13873	8.83277	8.44151	7.57572	7.00618	7.77441	7.75305	8.72521
SLC25A2	5.30772	4.30494	4.50924	4.12698	3.912	4.1683	4.51121	3.92354	4.42101	4.85833	4.23895	4.02106	4.54145	3.89312	3.79846	3.38764
SLC25A2	5.41855	5.53655	5.97983	5.49021	5.05252	6.07207	4.5638	5.33126	5.24995	5.39798	6.90705	6.28643	5.17003	5.38189	5.31034	5.86329
SLC25A2	7.01269	6.1132	5.5909	5.73146	5.18643	6.20086	6.10692	5.20839	6.46966	6.65411	4.75966	5.99968	5.84122	4.80436	6.04874	6.1757
SLC25A3	8.99157	8.54112	8.93712	9.47585	9.45067	10.0285	10.3468	8.91995	8.3899	9.34754	8.79229	9.40713	9.02566	9.90653	9.33697	8.58309
SLC25A3	5.28812	5.34879	5.06219	5.17309	5.18617	5.64043	6.04533	4.9186	5.66394	5.2467	5.98501	4.64822	5.15717	5.44119	5.52833	5.84244
SLC25A3	4.15633	5.19457	4.11758	4.85334	4.24744	4.12592	5.02086	3.96044	4.65881	4.58996	4.47417	5.042	5.17427	3.9712	3.51602	5.10065
SLC25A3	6.37512	7.08047	8.15886	7.55377	8.3687	7.82305	8.00617	7.81498	7.20779	6.61106	8.34622	6.7638	7.8236	8.1136	7.68368	8.25692
SLC25A3	7.58344	7.71017	7.72877	7.6636	7.97191	7.18347	8.04125	7.69344	7.36846	7.73862	7.99918	7.14896	8.78405	7.6636	8.2181	8.0931
SLC25A3	4.56358	4.80793	4.55949	2.99339	4.1611	4.74224	4.90369	3.22313	4.53119	4.16067	4.01654	4.73788	4.44138	5.13261	3.90154	5.08631
SLC25A3	5.21609	6.03898	5.81223	5.71805	5.24225	5.44685	5.26217	6.2836	5.88405	5.5975	5.8345	6.57401	5.93563	5.27742	6.21218	5.91431
SLC25A3	6.70688	6.19879	6.78049	6.72646	6.71775	7.34076	6.85524	5.83723	5.82034	6.67513	5.79626	6.14022	6.90997	6.50348	6.72516	6.78789
SLC25A3	5.53096	4.89043	5.28554	5.10912	5.20552	5.18381	4.62788	5.39833	5.23593	5.71246	6.13777	5.14329	4.59806	4.35515	5.08656	5.14257
SLC25A3	8.44931	8.72368	8.39628	8.26602	8.63631	7.43307	8.17707	8.33433	8.64803	7.68471	8.20748	8.44731	6.84674	8.38294	8.53091	8.78798
SLC25A3	8.05838	8.46549	8.07629	7.81127	7.59516	7.96835	7.21035	7.74451	7.94735	8.49463	8.57221	9.03003	8.43605	8.51297	7.80162	8.18122
SLC25A3	6.5847	6.16288	5.81566	6.80893	6.34562	6.29537	7.1559	6.24793	6.08246	6.30722	6.69783	6.42316	6.56865	6.41451	6.33094	7.20169
SLC25A4	5.91925	5.71246	5.94158	6.92377	5.98353	5.92959	6.9035	4.92282	5.41552	6.94323	5.44882	5.3453	5.77092	6.16466	6.50191	5.30337
SLC25A4	6.66869	7.04151	6.71649	6.75906	7.86265	7.29064	7.29217	7.00541	7.02928	6.26231	7.4267	6.28402	7.60613	7.41527	7.63411	7.82698
SLC25A4	3.5501	5.21946	3.60422	5.08609	3.60374	5.07913	4.79774	5.65251	4.72987	5.93876	4.32438	5.24488	4.70357	3.31071	4.65312	3.85415
SLC25A4	3.80262	3.41991	4.35425	4.65232	3.55838	3.60559	3.96304	3.86261	4.29733	4.16783	3.97656	4.24199	3.46771	4.2082	3.71527	3.83233
SLC25A4	5.60724	6.54628	6.19313	6.36158	7.34167	6.74706	7.69452	6.85136	6.57832	5.63112	7.47602	6.13377	7.66326	8.06928	7.93941	7.96656
SLC25A4	8.45387	8.43072	8.98405	8.61682	8.64669	9.59094	9.0587	9.02815	9.28207	8.65005	9.06728	9.18711	8.64857	8.42505	8.96445	8.41793
SLC25A4	6.09484	6.19135	6.50329	6.80475	6.42897	6.62448	7.08341	7.02213	6.64708	6.64525	4.48486	6.00778	5.45357	5.95223	6.3538	5.1312
SLC25A4	6.94648	7.83082	8.04702	7.99684	8.9255	7.49517	7.80515	7.50104	7.46304	8.14751	8.67666	7.07263	8.65511	7.91464	7.68956	7.58161
SLC25A4	7.55453	7.05147	7.16167	7.30909	6.23107	7.04207	6.50339	6.71281	7.46824	6.91547	6.45326	7.06244	6.21786	7.19389	6.93141	7.06444
SLC25A4	5.10065	5.65057	5.97487	6.0743	4.84794	4.88663	4.92653	5.9082	4.12675	6.71426	5.68373	5.96948	6.03535	5.55632	4.78121	4.90672

SLC25A5	11.1658	11.6889	11.4504	11.7733	11.4919	11.4504	11.468	11.6889	11.468	10.9849	11.6759	12.0504	11.6343	11.712	11.7897	11.374
SLC25A5	5.77092	6.14973	5.83411	6.35206	6.32898	5.99968	5.77781	6.09438	6.21022	5.96635	6.11735	6.13042	6.59491	6.15616	6.11535	6.43323
SLC25A5	5.93689	5.73609	6.20071	6.2013	6.38118	5.71886	5.77587	6.41484	5.76136	6.16183	6.15951	6.21558	5.67833	6.3799	5.63045	6.5166
SLC25A5	4.38792	5.53943	4.59609	4.38106	4.82547	4.09979	3.88835	4.85088	4.35974	4.24885	5.15827	4.74151	5.0244	3.8954	5.24458	4.9939
SLC25A6	11.547	12.0258	11.2207	11.6606	11.8106	11.4854	11.4504	10.3191	10.9946	11.7897	11.374	12.3273	11.6449	12.2597	11.3355	11.7815
SLC26A1	4.71816	4.15877	4.22285	4.75793	4.36302	4.32878	4.73716	4.85676	4.44939	4.31728	4.70674	4.94486	5.00457	4.40737	4.17769	4.62587
SLC26A1	4.83558	5.79497	6.95968	5.02826	6.06373	4.4107	4.47022	6.46606	5.01527	6.545	3.75879	5.72755	3.69964	5.61679	6.25289	5.40281
SLC26A1	7.28741	7.7108	7.91288	7.42868	7.14421	8.20021	6.87912	8.1692	9.03052	8.29809	8.12453	7.90812	7.64325	6.44212	6.97662	6.72553
SLC26A2	8.48815	6.44143	7.90707	8.37378	5.60636	7.42056	7.14421	5.72608	6.70913	8.84609	6.432	7.02171	5.56135	5.77804	6.99069	6.31343
SLC26A3	2.99038	4.8415	3.74274	3.41778	4.80743	4.48532	4.79228	4.66168	3.91689	4.9311	3.12868	3.48538	4.41283	3.778	4.29473	4.03261
SLC26A4	6.77897	9.6978	9.08296	6.66684	5.24432	6.21864	6.19445	5.77447	6.8763	7.7715	6.30863	6.14728	4.19674	4.84227	3.29289	3.9365
SLC26A4	0.49324	2.63607	3.74811	2.31308	1.00765	0.61335	3.61825	2.67421	1.18021	2.66614	3.72069	1.31925	2.49591	1.5436	2.94685	0.69824
SLC26A6	3.4567	5.50738	6.10036	3.73033	6.19375	6.54926	7.07482	6.46837	5.62078	5.32454	5.70745	3.26763	3.72312	6.26737	6.62543	5.73413
SLC26A7	3.70705	3.39527	2.81343	4.28816	3.0635	4.34217	4.06738	3.18151	2.55049	4.03935	4.30379	4.52861	2.58128	2.53476	3.05368	3.60559
SLC26A8	5.39977	3.28675	3.81806	3.13915	4.74792	3.99858	4.41747	3.81494	3.79382	3.73393	5.63879	4.36401	3.94666	3.90216	3.79392	3.66526
SLC26A9	6.95299	8.17445	6.4281	7.47477	7.64224	6.93659	7.41204	9.90298	7.99096	5.93876	6.37875	6.84306	6.87974	6.88173	7.23297	8.48507
SLC27A1	8.2181	7.90724	7.16848	7.93784	7.28961	8.64714	6.90697	6.85982	8.04043	8.8059	7.19947	7.88823	7.29931	6.82116	7.16903	6.56417
SLC27A2	10.0079	8.40722	7.78045	8.82696	7.22861	6.66742	7.30238	8.04588	7.86242	6.99931	9.46931	7.45787	7.4267	6.86277	7.17836	8.01968
SLC27A3	5.7722	6.50434	6.48767	5.75909	6.82399	7.38493	5.29633	6.03632	7.37969	6.52602	7.75767	7.51623	7.1777	5.72712	6.28422	7.51264
SLC27A4	3.81865	4.7658	3.30294	3.21843	4.14888	3.20546	4.10344	4.31688	4.62638	4.37418	6.52979	4.68011	3.95924	4.00373	3.99153	4.12557
SLC27A5	4.6439	5.07516	4.78683	4.79228	3.9761	4.09014	4.37989	4.16718	4.7747	4.8404	6.3057	7.05272	5.3793	5.92409	4.27232	6.29513
SLC27A6	3.62466	5.8076	4.15658	7.04821	3.35289	4.4107	4.36468	4.62117	5.51676	6.11097	2.45719	4.88663	2.49591	2.65463	2.79339	2.86424
SLC28A1	6.23706	5.19221	5.70072	4.36522	6.16815	5.73881	5.50127	6.1983	6.3768	5.79533	5.35208	5.40727	5.17761	6.33947	5.7995	5.5909
SLC28A2	2.51538	2.27273	2.84726	2.64874	3.41704	3.21266	2.40451	2.66249	3.50445	2.83986	2.40494	2.54613	2.1445	2.39337	2.18334	2.2111
SLC28A3	6.78271	6.71912	6.67336	5.83219	6.4778	7.19165	8.23823	6.96042	7.16866	7.74315	6.79241	6.77476	7.37359	7.24674	8.04765	8.44501
SLC29A1	5.77304	6.26366	6.5782	5.99832	6.35633	6.19189	6.22725	7.1968	6.84429	6.57513	6.07517	6.45822	6.26213	6.46531	6.81894	6.34748
SLC29A2	4.9467	5.0902	5.21484	5.50359	4.84861	5.73937	5.07878	4.92622	5.04584	4.6945	5.37804	4.75793	4.91905	5.49356	4.48157	5.70357
SLC29A3	6.57712	6.80448	7.04899	6.74791	6.92499	7.0257	7.0936	7.42558	8.25798	6.51189	7.05849	7.59076	7.93509	7.32427	7.45743	7.92507
SLC29A4	4.32719	3.92057	4.33153	2.75326	3.08198	4.60918	3.6535	3.54848	4.35178	4.93015	3.36247	4.66437	3.10948	4.30345	4.11962	4.22701
SLC2A1	5.52702	6.44381	5.25407	5.95721	5.68604	5.78483	7.79704	6.9611	5.56083	5.50521	6.96211	6.02652	6.92317	6.30419	5.63879	5.92694
SLC2A1-	3.42813	3.36509	3.68203	3.44117	3.93705	3.68688	4.008	3.6374	3.55701	3.49311	3.53424	3.97679	4.07063	3.82972	3.43307	3.5127
SLC2A10	8.13058	5.81135	5.01027	6.61987	3.0533	1.09519	1.95222	1.86949	1.39887	9.00781	3.13394	1.2545	0.93298	1.4403	6.08974	1.1038
SLC2A11	6.09333	6.26266	5.48559	5.75528	4.81317	5.53829	4.42191	5.15888	5.57693	5.0241	4.84059	6.79793	4.66277	6.42252	5.62065	6.25094
SLC2A12	6.34639	4.6975	4.15902	5.90297	6.80929	6.56368	6.31957	4.58104	6.48056	6.05863	5.37911	5.88508	6.00586	6.06196	6.4954	5.06051
SLC2A13	4.46262	3.71713	4.53252	4.50537	5.05513	4.68387	3.9077	4.76666	4.21937	4.8006	5.07061	3.44604	4.68457	3.86881	4.45668	5.33678

SLC2A2	2.37329	2.07729	3.0093	2.4789	3.16569	2.81599	2.90726	3.13235	2.92006	1.49394	2.99709	2.41615	3.12086	3.79618	2.86345	3.13394
SLC2A3	5.8773	6.56847	6.47297	6.4813	6.23856	6.3353	5.35784	5.84754	6.06726	5.92913	8.09183	6.48549	6.56491	6.40898	6.41685	6.0605
SLC2A4	1.79935	3.91554	2.91679	2.06899	1.84689	2.97137	1.91146	3.61778	2.90046	1.35594	2.54194	1.77016	3.17825	3.21424	3.17223	2.26153
SLC2A4F	5.58948	5.22492	4.91054	5.94527	5.18306	6.3708	5.4871	5.17462	5.92409	5.57458	5.09486	5.85017	5.35812	6.52236	5.04076	4.63296
SLC2A5	5.65844	6.4057	6.82339	6.233	6.47043	6.22886	6.60163	6.6374	6.05086	6.29102	6.82125	6.98142	7.11908	6.17732	6.70673	6.71935
SLC2A6	3.00675	6.63175	3.99043	3.28542	6.9158	3.45096	2.81469	6.64827	6.27756	3.44491	7.6481	7.45076	5.56929	3.21424	3.12323	3.17553
SLC2A8	5.10961	6.77322	6.89488	6.22183	6.32848	6.88759	6.52173	6.27523	6.55443	6.41737	6.68004	7.45025	6.6596	6.76752	6.57468	6.29102
SLC2A9	4.91432	6.19599	6.80843	4.91676	5.26588	5.48642	5.49101	6.20375	6.30778	6.32837	6.31489	7.02379	5.73146	5.76297	5.64109	5.52374
SLC30A1	5.74468	5.48188	6.42295	5.8637	5.5362	5.80461	5.48246	6.71426	6.80448	5.59067	6.23139	5.67529	6.01633	5.3635	5.5705	5.6866
SLC30A1	4.04247	3.23142	2.39414	3.5907	2.81309	2.58692	4.06264	2.49961	2.70734	2.69205	3.74792	3.0573	2.83935	3.01384	3.08134	4.44222
SLC30A2	4.16273	4.64068	4.74294	4.91594	4.81967	4.60513	3.73746	4.45365	4.83726	4.42491	4.56642	4.79653	4.09007	5.05022	4.04505	4.78923
SLC30A3	4.0831	4.0953	4.06856	4.08527	3.79424	4.60609	4.79031	3.97032	4.39872	4.41097	4.34451	3.84426	5.10681	3.95895	3.62574	3.99805
SLC30A4	4.78297	4.86237	4.75713	4.21691	5.65354	4.16994	3.87338	4.42755	4.69574	4.9467	4.77515	4.2727	4.08804	4.33276	4.92195	4.97556
SLC30A5	6.8096	7.04952	7.18732	6.47187	6.86455	6.74255	6.94016	6.90407	6.28605	6.98373	6.51968	6.53336	6.56733	6.88611	6.46075	6.80649
SLC30A6	5.12946	5.77863	6.06651	5.9871	6.09461	5.89338	5.80824	5.74089	5.96423	5.75728	5.95993	5.75916	6.04977	5.92597	6.52193	6.3741
SLC30A7	6.83752	6.75611	7.29262	6.2985	7.36476	6.46638	6.90487	6.69284	6.77286	7.02742	6.68643	6.25165	7.0936	6.67287	7.06965	6.40411
SLC30A8	5.52577	5.77414	3.85906	5.593	4.94944	5.26322	5.37458	5.36466	3.45501	5.04437	3.79285	4.04458	4.41574	3.5082	5.26618	5.75987
SLC30A9	8.17252	8.78314	8.70805	8.31214	8.79617	8.5267	8.63717	9.02285	8.7731	9.25316	8.43133	7.91133	8.84034	8.29356	8.84532	9.19948
SLC31A1	7.83082	7.26624	6.92337	6.93269	6.83657	6.29917	6.56645	6.97341	7.66179	7.7303	7.21764	6.88974	6.61706	6.48318	6.53433	7.32029
SLC31A2	7.25991	7.54594	7.47282	7.24855	7.51096	7.9141	7.24292	8.64898	8.41252	8.22037	9.21483	8.22455	8.94549	7.02942	7.72559	7.55351
SLC32A1	5.19782	4.48984	5.59946	2.98748	4.9314	4.18599	5.35566	5.85651	5.89854	3.2328	4.51064	5.14209	2.81611	4.35255	3.71004	3.18938
SLC33A1	6.89231	6.59396	7.54421	7.09901	7.06524	6.94991	6.87387	7.10298	7.22958	7.55559	6.98343	6.22381	6.64896	7.19897	6.92033	6.82022
SLC34A1	4.98706	5.13175	5.16778	5.52677	4.49209	4.13154	5.17891	6.24364	5.48642	5.21626	4.69418	5.65551	4.97776	5.24336	5.70734	5.1641
SLC34A2	5.88381	6.12852	6.15928	5.72192	5.60769	5.45803	5.2173	2.88789	6.77653	7.95757	3.93173	3.49365	5.00579	5.30815	4.73297	4.66581
SLC34A3	5.91276	6.13912	6.90032	5.92433	5.82506	6.55896	7.00351	6.12427	6.41831	7.00261	5.73188	6.49455	6.22981	6.21558	5.88677	5.86194
SLC35A1	10.5753	9.82707	10.2583	9.71027	9.80516	9.57587	8.69882	9.55522	9.55257	10.298	9.57303	9.77872	9.25104	9.11315	9.50744	9.3733
SLC35A2	5.66227	5.76403	5.89988	5.86456	5.74862	5.75987	5.20492	6.43593	6.4795	5.68112	6.11511	6.21479	6.0207	5.80567	5.47218	5.64428
SLC35A3	9.04187	7.82907	7.71776	7.83226	7.36756	7.07143	7.34486	7.05317	6.88815	8.45387	7.4383	6.78466	7.48608	7.53993	7.04529	7.64499
SLC35A4	5.97772	5.92887	6.48013	6.51425	6.3977	7.06274	6.76622	5.99457	7.47214	7.86759	7.23078	6.06475	6.88982	6.13065	7.64769	6.23402
SLC35A5	6.51855	6.47918	6.75013	6.35955	6.79643	6.86424	6.35462	6.31316	7.00137	7.67387	6.93418	5.26415	6.88799	4.82245	6.82917	6.12395
SLC35B1	7.94787	8.15007	8.64201	8.62243	8.04702	8.5569	7.4571	7.16613	7.60269	8.89192	8.55517	8.57847	8.56411	8.94549	8.54689	7.9976
SLC35B3	7.45961	6.55834	6.86703	7.05063	7.32389	7.70458	5.93318	6.05312	8.0026	7.67544	7.25934	6.91486	6.81894	5.84854	7.28084	6.70457
SLC35B4	6.68938	6.53281	6.92658	6.65491	7.10941	7.27295	6.99069	7.05497	7.24953	6.83752	6.8481	6.93883	6.70688	6.76368	7.43963	7.03405
SLC35C1	6.9595	6.91249	7.20629	6.78541	6.42945	7.06319	5.93911	6.89099	6.91987	7.56186	6.97577	7.28242	5.64126	6.92674	6.19553	7.07769
SLC35C2	5.80121	6.59992	5.88871	6.42113	6.07137	5.96676	5.477	5.99514	6.6495	6.43896	6.9069	7.67681	6.53737	6.73753	6.18979	6.47821

SLC35D1	5.28554	4.84059	5.10776	5.33875	5.2576	5.11218	5.18845	4.64769	5.31529	4.69793	6.45247	6.07628	4.45556	5.32692	5.99514	3.7466
SLC35D2	7.30969	7.01407	7.03353	7.09477	6.566	6.92054	6.70933	6.99449	7.30035	6.71912	6.62295	6.84483	6.71524	7.28961	7.13203	6.55657
SLC35D3	4.22576	2.91316	4.86471	4.34058	4.02718	1.4697	3.50564	3.15288	2.28837	5.41453	2.77081	3.21231	4.61995	3.8872	4.57565	4.79506
SLC35E1	7.39264	7.0519	7.53069	7.20502	7.15117	7.33274	7.76606	6.83587	7.20458	7.48643	7.17515	7.05247	6.83168	7.2075	7.18817	6.75235
SLC35E3	5.97268	5.24301	5.64784	5.52053	6.02266	6.15738	6.01754	5.91698	5.72497	5.70562	5.64485	5.3987	5.58003	6.03658	5.38125	5.55517
SLC35F1	6.09165	6.91931	5.96196	6.02751	4.82316	6.18	4.12999	4.18478	5.48228	7.57115	4.99175	5.37322	4.37787	5.55932	5.01318	3.87671
SLC35F2	6.48178	7.67654	7.06274	7.22613	8.24659	7.78599	8.28667	8.33984	7.25259	7.18371	7.33938	7.60851	7.81636	8.01345	7.92262	8.1088
SLC35F3	4.76537	5.86985	5.21453	5.31034	5.25231	5.66954	4.59647	5.79724	5.64043	4.98644	4.18842	5.20307	5.67192	5.25333	4.10524	4.93071
SLC35F4	4.42363	3.83303	4.25043	2.50291	5.43993	5.14236	4.82932	5.0677	2.79078	3.80685	3.25613	4.82852	6.18277	2.86263	5.66921	4.91623
SLC35F5	5.85187	6.20976	6.40584	5.40039	6.53899	4.62003	5.83049	6.33183	5.08129	5.5426	5.67859	5.77696	6.22568	6.12523	6.73025	6.51684
SLC35F6	6.75251	7.09387	6.93706	6.81474	6.64925	6.91121	6.5515	7.36164	7.1553	6.91121	7.12375	7.40457	7.10488	7.06102	6.76495	6.94208
SLC35G1	4.64035	5.27137	5.59579	4.48551	5.82281	5.90489	5.57613	4.0662	5.16375	4.93738	5.07366	4.88472	5.57239	5.03287	5.7454	6.46249
SLC35G2	5.14215	6.47102	6.31108	6.49817	4.30829	4.85676	6.17732	6.77986	6.66575	5.8846	6.73214	5.22533	6.12725	5.28109	6.28135	5.25598
SLC35G3	5.91118	5.76231	5.77656	5.39225	5.41338	6.09668	5.82817	5.95794	5.782	6.15674	3.60639	5.13806	3.67703	5.47358	5.52702	6.29785
SLC36A1	5.88599	5.75929	5.97882	6.00213	6.3757	6.73573	6.97815	6.39428	7.53627	5.84212	6.78362	6.35285	5.70221	5.88125	6.15307	5.99734
SLC36A4	5.80461	6.21356	6.21679	5.3574	6.58441	5.2068	6.30722	4.64707	5.58126	6.13872	6.42092	6.03011	5.69563	6.29331	6.69578	4.89098
SLC37A1	5.67091	6.16356	6.04891	6.24252	4.93804	5.87008	6.00991	5.56872	5.56135	6.44252	6.27249	4.91594	4.67447	6.03545	5.29152	5.0723
SLC37A2	6.86908	6.31971	6.45198	6.01244	5.74699	6.34388	5.74444	6.93102	6.28391	6.53433	5.77379	6.0005	6.51344	5.60451	6.46662	6.40459
SLC37A3	8.42826	7.60929	7.88588	7.44971	8.23238	8.2869	8.26845	7.94787	7.94881	8.89592	8.10936	7.20458	7.8738	8.27696	8.42344	8.33525
SLC37A4	5.84835	5.5459	5.21987	5.9271	6.08001	5.48981	4.78274	7.27645	5.4703	6.3768	6.07302	6.04396	5.04372	6.22799	5.15387	6.21022
SLC38A1	6.34726	6.50576	6.9573	7.06551	5.58532	6.5278	7.00599	6.20181	6.37868	6.41224	6.88505	6.69189	4.72387	5.76996	6.83902	6.71089
SLC38A1	4.79167	5.06667	4.95856	4.80597	5.03019	4.85113	4.98009	5.06033	5.00608	5.44954	5.20903	5.15309	5.10115	5.06692	4.76487	4.79781
SLC38A1	5.14458	6.01669	5.66058	5.37312	5.50313	5.1154	6.13608	5.65668	5.76872	4.89182	5.29638	4.63261	5.62746	5.02185	5.35772	5.59155
SLC38A2	8.71077	9.06514	9.68446	8.77063	10.2583	9.68889	8.8861	9.15554	9.67862	10.0756	9.51229	9.00505	8.82218	9.28374	9.17193	8.59276
SLC38A3	2.83473	4.85943	4.22871	3.44117	5.26818	3.17101	5.37804	2.49961	5.09913	2.63576	4.54707	3.14285	4.59065	2.51368	3.12323	5.34559
SLC38A4	2.31914	0.98055	2.73408	1.48189	3.25492	2.04785	2.18334	1.59081	2.60961	1.47813	2.17246	2.95531	1.67217	2.43076	3.2194	1.684
SLC38A5	6.12758	4.02672	7.00568	5.09328	5.37462	3.90614	6.39759	6.32627	3.46459	6.02979	6.8567	5.76565	4.02061	3.14828	4.10265	6.67555
SLC38A6	7.00506	6.68597	7.19145	7.06595	7.5749	6.62543	5.01022	6.92888	8.20643	6.58211	8.07513	5.97527	7.85515	5.93907	6.43167	7.30509
SLC38A7	4.73627	5.68425	4.82924	5.54182	5.27341	5.32899	5.08498	5.49864	5.61104	5.17003	5.75522	5.44452	5.61759	5.41934	5.40516	5.00506
SLC38A9	7.1777	5.94238	6.69845	5.76354	6.13206	8.13008	8.46388	6.71343	7.8327	4.98301	7.0936	7.19719	6.2716	7.30991	7.64528	7.13293
SLC39A1	6.75145	7.66223	7.81954	7.43803	6.42714	7.76594	7.25866	7.62329	6.67595	6.64326	8.22037	7.69763	8.05395	7.54885	8.1881	8.16838
SLC39A1	7.12147	7.28373	8.26067	7.01673	8.62243	8.2345	7.04441	6.36077	7.88723	7.28396	7.46294	5.64806	7.94906	6.97927	8.65274	8.87472
SLC39A1	8.51784	7.8991	8.19149	7.59121	8.74298	8.52989	8.64714	8.47426	8.53718	8.79229	8.1282	8.40189	8.38431	8.75835	8.84609	8.07186
SLC39A1	1.70087	1.40126	3.69741	2.55745	4.22631	2.63321	1.54854	1.44837	2.47145	2.88148	5.07244	4.85676	5.29674	5.66451	4.22871	4.51771
SLC39A1	7.84679	7.22377	7.55303	7.50009	7.3728	7.70384	7.46257	7.98209	7.32444	7.75576	7.27047	8.06128	7.69081	7.25954	7.74136	7.80888

SLC39A1	6.30501	6.23661	6.8763	6.39572	6.71649	6.72743	7.12352	6.85927	6.69137	7.15566	6.75209	6.80863	6.6437	7.20098	6.72093	6.74515
SLC39A2	6.72122	7.64894	7.43334	7.17727	6.81244	7.07482	6.93134	7.51388	7.25065	6.70502	8.49813	7.21144	7.0261	6.67673	7.32427	7.44071
SLC39A3	5.15027	5.72358	5.77944	5.34118	5.79778	6.07584	5.60876	5.88242	6.11453	6.24612	6.02159	6.98472	5.92786	5.80193	5.27193	5.42053
SLC39A4	8.02406	7.5475	6.57691	7.53673	7.20502	7.92161	7.97635	7.5453	8.12509	7.57286	7.28288	9.47585	8.68694	9.35829	7.528	8.58931
SLC39A5	4.49302	5.1312	5.049	5.2085	4.94408	5.05621	5.40426	4.72417	4.92034	4.77548	5.25716	4.62117	5.35171	4.98138	4.49669	5.13493
SLC39A6	6.20708	6.69845	6.05489	6.33638	6.56519	6.83168	7.10241	7.03987	6.88354	6.88943	6.88611	6.32734	6.87868	6.96411	6.79607	6.9705
SLC39A7	8.36086	8.15909	8.67112	7.7023	7.65545	7.93282	7.44413	7.64368	8.08135	9.53788	7.93657	8.12992	7.533	7.82748	7.62033	7.66822
SLC39A8	3.82408	4.21547	4.11186	3.29508	4.1925	3.60751	3.73786	4.62693	4.07136	5.24358	5.87779	4.01027	4.792	4.18318	4.67447	3.94952
SLC39A9	4.25355	4.09851	4.14005	3.96715	4.6307	4.29189	3.86205	5.10065	4.40301	4.42968	4.6592	4.52416	4.99461	4.26639	4.47992	4.73171
SLC3A1	2.90787	2.35871	2.50987	3.8927	2.92706	3.59087	2.00595	3.6436	2.79904	3.39387	3.19002	3.85318	3.10976	2.42653	3.27385	2.54613
SLC3A2	7.40994	7.94708	7.90137	7.35804	7.29055	7.82469	6.87617	5.46715	6.51937	8.04476	8.04634	8.11678	7.36188	8.23628	7.32899	7.65934
SLC40A1	7.99727	7.97484	8.83277	8.15497	7.65366	8.67057	6.62196	7.66756	8.83123	8.43012	6.43728	7.97399	7.71742	7.1585	8.02694	7.50856
SLC41A1	6.80649	6.95742	6.45822	6.5917	7.13947	6.80664	7.16319	7.64096	7.73373	6.49925	6.68989	6.66575	6.23761	6.87959	7.10725	7.0622
SLC41A2	5.64066	6.10303	6.41345	5.95297	6.29983	5.51836	5.64161	6.28086	6.80543	6.91137	6.87959	6.23343	6.79281	5.94761	6.09697	6.02877
SLC41A3	6.72362	6.87431	6.4034	5.72084	6.48629	5.50605	7.46926	7.01906	6.42694	5.59883	5.64447	6.77874	4.86491	6.02213	5.6892	7.1455
SLC43A1	6.79489	6.33063	6.71414	6.15228	6.09607	6.25094	3.98737	6.65137	6.19282	6.91863	6.36189	6.35935	5.99786	4.99322	6.2066	4.60548
SLC43A2	6.52517	6.37561	5.84153	5.96182	5.55922	6.17676	4.9633	5.73265	6.42572	5.97095	7.11951	6.6015	6.29935	5.7104	6.30709	5.77903
SLC43A3	5.69663	5.18054	5.46507	5.66827	5.31511	4.99511	4.42592	5.70671	5.39911	6.0939	6.694	5.71411	6.09988	4.95403	5.12769	6.01504
SLC44A1	6.65991	7.24167	7.49393	6.99884	7.48831	7.25283	7.26021	7.28385	6.98662	7.47068	7.15615	6.22105	7.18473	7.43659	7.54991	7.26915
SLC44A2	8.2149	7.80469	7.92161	7.56947	8.17784	8.12509	7.51172	7.35149	7.68995	7.82261	7.4913	8.30473	7.14861	6.99984	7.44928	8.01606
SLC44A3	7.71993	6.87331	6.89041	6.68903	7.0519	5.57693	6.26102	5.78799	6.36841	8.07142	6.71011	6.03345	5.92669	6.98418	4.94595	6.19907
SLC44A4	6.58582	6.14478	5.25333	5.21285	5.08995	4.36722	4.2727	4.31108	4.55992	5.75253	4.57315	4.87769	4.66938	5.93344	5.47986	5.37862
SLC44A5	3.50858	3.53502	3.78253	4.193	3.99089	4.07683	5.31739	4.98232	4.55949	3.36969	4.37563	3.28382	4.16273	4.51707	3.76651	3.67873
SLC45A1	3.38024	3.52573	3.99043	3.04143	3.42572	2.81599	2.8619	3.39861	3.63964	2.97414	2.88166	3.4402	2.68899	3.55944	3.26899	2.82844
SLC45A2	5.97318	6.28945	6.21022	6.10432	5.90848	5.19361	6.63311	6.11559	6.34934	6.42972	6.44984	6.323	6.59148	6.71482	5.662	6.38175
SLC45A3	4.57737	4.71878	5.05653	4.68783	4.66867	4.60697	4.72236	4.86304	5.24253	4.77857	4.16497	4.86994	4.65523	4.87555	4.82733	4.88894
SLC45A4	8.79617	8.1354	7.40556	7.59795	7.74091	8.29176	8.82218	8.1831	7.6702	7.94991	7.80293	8.17017	7.55453	7.78404	7.34612	7.99636
SLC46A1	5.23799	5.36713	5.95058	4.61485	5.55094	5.37522	5.15888	5.77758	5.1356	5.64345	5.54898	5.30292	4.8404	5.43281	5.69979	5.05601
SLC46A2	3.06503	2.84393	3.26549	2.55745	2.65839	2.5608	2.23396	2.70064	3.06765	2.75002	3.0131	4.01677	2.2085	2.09344	1.78116	3.41778
SLC46A3	8.73001	8.42505	7.93452	7.57667	7.7121	8.16761	6.45894	8.42204	9.0354	8.7032	7.59076	7.69422	7.71156	6.28459	7.89617	7.33565
SLC47A1	6.40488	6.81927	6.4129	5.91346	6.80517	5.57446	6.12515	6.57417	8.0326	6.83126	5.34415	6.43709	7.22488	5.16038	5.7006	5.81537
SLC47A2	2.89649	3.21812	2.98152	3.17801	2.97095	2.89716	2.9333	3.65408	2.97568	1.74155	2.91487	5.59616	4.15694	2.77311	3.35152	3.40822
SLC48A1	4.94172	5.7379	5.03413	4.79653	4.06184	4.99931	5.28829	5.1487	6.97362	5.27518	4.79043	5.01016	4.59535	5.11031	4.72163	5.16359
SLC4A1	6.26204	4.80743	6.04874	6.04185	6.14599	6.33679	5.93563	6.67897	6.1584	6.27345	5.95819	5.89465	6.14279	6.58211	6.10023	6.44179
SLC4A10	1.50761	4.88716	0.61335	2.79365	4.32613	3.68688	4.65674	4.15015	4.95856	3.70919	4.08209	4.4103	4.34627	3.94866	4.59094	2.82844

SLC4A11	7.71017	6.41661	6.18849	6.7674	7.78837	6.9158	6.01209	5.66638	5.9868	7.91273	6.21158	7.94154	7.11556	5.95187	6.58498	6.66401
SLC4A1A	7.52671	7.44712	7.85021	7.23414	7.86145	7.31799	7.91786	8.03799	7.66097	7.51898	7.55668	7.34486	7.67213	7.01656	7.47747	7.29931
SLC4A2	2.55807	3.58335	4.21177	3.1994	3.32431	3.57327	4.09381	2.78286	5.75308	3.07203	4.61069	4.51148	4.52282	4.68071	3.89749	4.45493
SLC4A3	4.82631	3.33539	3.13257	3.08274	5.18485	5.78878	3.68625	3.17146	2.83517	6.13804	3.37552	3.19844	4.72178	4.57214	3.25706	3.37025
SLC4A4	6.51508	6.29282	6.63063	6.8975	5.51248	5.91026	6.12693	5.52833	6.44143	6.18589	5.1023	6.1534	6.36077	5.80945	5.37013	6.04515
SLC4A5	4.99197	4.0795	4.08018	4.89804	4.50964	4.12155	5.65363	4.86595	2.79844	4.47874	3.91275	4.43669	3.50971	3.87968	4.50648	3.83335
SLC4A7	5.15007	5.31355	6.06866	5.63936	4.7744	5.50962	5.26966	5.27316	5.91806	5.39747	5.9363	4.86826	5.44553	4.58478	5.35652	5.77035
SLC4A8	6.47704	6.35256	5.90377	6.46304	5.60498	5.56014	5.3128	6.33858	5.65866	7.32358	6.39062	5.78799	5.49854	5.54973	5.26572	5.74444
SLC4A9	4.07056	4.7822	4.20918	4.11962	4.15981	4.04041	3.0951	4.25955	4.33174	3.22378	3.27608	3.31615	4.62693	4.14832	3.14316	4.45111
SLC50A1	7.11489	7.99865	7.96362	7.62912	7.22338	6.28422	7.22727	7.95029	7.58702	7.73968	7.94931	7.81169	7.55681	7.27694	7.38598	7.72547
SLC51A	7.81974	6.89574	5.52519	6.03045	2.85371	1.78116	2.63794	3.23218	6.32705	1.74155	6.90246	3.84426	3.82075	2.83991	3.4886	3.78507
SLC51B	3.82982	4.34246	4.31281	4.30655	4.35974	4.0956	4.07312	4.83606	4.3125	3.92077	4.26713	4.70518	4.55949	4.76631	4.34246	4.16516
SLC52A1	5.69729	3.67703	3.95055	4.46262	3.14557	4.44653	3.77935	3.55509	4.43347	4.30135	2.70123	3.50641	4.006	4.21305	3.46534	4.00732
SLC52A2	6.92836	7.57059	8.20021	7.31799	7.50897	7.94787	8.56737	7.57964	7.98479	8.71077	8.50865	8.89725	7.44743	7.87581	7.54269	7.64788
SLC52A3	2.74107	4.02952	3.54755	2.6297	3.02155	3.14193	2.60104	4.44022	4.1581	3.10196	4.25938	4.35866	3.93923	3.28974	4.53	3.8669
SLC5A1	7.41816	6.84293	6.86762	6.24558	3.95997	4.90267	6.0987	5.72192	4.8391	8.96445	5.73636	3.96071	4.43979	3.63765	3.74113	5.07446
SLC5A10	4.04247	4.8348	4.97462	4.44124	4.75305	4.36427	5.87081	5.19716	4.92312	5.21721	4.93295	4.85959	3.64142	3.68528	4.51056	4.92331
SLC5A11	4.99883	5.95677	5.80642	6.0218	4.79167	4.96837	4.88202	4.51056	5.51434	5.30815	4.19874	5.94133	6.132	3.90216	5.62022	4.68565
SLC5A12	3.07245	3.88656	3.17553	3.29168	3.89481	3.5809	4.65395	2.94521	3.24115	4.07595	4.39898	3.20382	2.85623	3.71298	4.04204	2.77897
SLC5A2	6.88484	6.80863	6.73129	6.68903	5.58134	7.18639	6.96469	7.76765	7.01879	6.74657	6.35027	6.56051	6.13014	6.61308	7.05147	7.2133
SLC5A3	5.90076	5.91104	6.75356	6.77848	6.54101	6.80033	6.61445	7.08078	6.97485	5.68558	6.97599	6.35027	6.21741	6.68978	7.32935	6.33157
SLC5A4	4.96173	6.24815	5.53727	5.67285	5.17658	5.79417	3.76501	5.30178	3.8429	5.24846	5.98878	5.74275	3.90551	5.34223	5.93176	5.63859
SLC5A5	6.83019	6.87096	7.85426	7.98571	7.26761	7.19136	7.80711	7.74961	7.02799	7.94708	6.96898	7.23955	8.2871	7.08748	7.86365	6.96808
SLC5A6	6.38327	7.03191	4.9146	6.67173	7.95881	6.61013	8.08258	8.81472	7.14059	4.98208	7.07855	6.92366	7.82676	8.10975	7.93138	8.27148
SLC5A7	3.3753	3.27696	4.81274	4.33482	2.59685	2.9662	4.13479	1.75461	4.01284	4.05356	3.34536	2.67587	2.74971	2.67075	2.8175	2.48507
SLC5A8	3.79639	3.81549	4.11056	3.88735	3.29261	3.20546	3.71929	3.50531	3.99376	3.50939	3.63292	3.88877	4.006	3.99364	3.80377	3.99805
SLC5A9	3.71812	3.21196	2.89937	3.15051	3.01995	3.01995	3.41518	3.59361	2.27367	3.38676	2.31293	3.99432	2.53346	2.03633	2.42617	2.78144
SLC6A1	5.02649	2.07729	4.78915	5.25816	4.03498	2.51251	3.57168	3.32868	4.85676	4.91332	2.36593	2.53152	4.24814	2.54935	3.62574	3.35278
SLC6A11	4.6209	5.10912	3.70377	3.70463	4.7732	5.25551	5.98878	4.80292	5.08656	5.0052	4.51133	4.11056	5.78159	4.37724	5.06762	5.20358
SLC6A12	5.78934	5.94415	6.06571	4.93594	5.47955	4.68499	5.08709	5.8726	6.11635	4.95044	6.36189	5.46517	6.18996	5.86194	6.00511	6.25003
SLC6A13	7.22216	6.93472	6.74418	7.14616	7.52841	6.94457	7.20937	7.34167	6.82903	6.84575	6.47043	7.0163	6.77286	6.80627	6.55414	6.45894
SLC6A14	10.8711	10.8383	10.5225	9.09448	6.89365	6.78897	6.8567	6.62089	9.15245	11.6449	10.817	7.32389	6.84849	6.381	6.10779	6.71054
SLC6A15	5.05274	4.25751	3.71992	4.33331	4.03231	4.53599	4.86826	4.53544	3.62944	3.72995	5.72477	4.33776	3.87618	3.76637	3.38046	4.34703
SLC6A16	6.57028	5.30238	4.42289	6.33042	5.96015	5.24924	4.62999	4.69357	4.69083	4.89657	4.87431	4.35988	4.47073	4.05738	4.50668	4.15938
SLC6A17	5.23337	4.69157	5.11766	5.01818	5.8117	6.23263	5.41113	5.33762	5.43712	4.95436	4.04247	5.2325	6.05143	5.23842	5.75322	5.72892

SLC6A18	5.20479	3.21812	3.49445	3.71004	4.48291	4.26501	3.63379	4.51056	3.8429	3.50939	4.19874	3.82629	3.58948	3.98175	4.00819	4.10052
SLC6A19	4.03485	5.83049	5.47823	5.53864	5.02328	5.28422	5.6019	5.78393	6.04631	5.61277	4.9541	6.02379	5.22694	4.77121	5.61383	4.61339
SLC6A2	3.8399	3.64199	3.95264	3.99337	3.72386	3.63292	4.28922	3.9057	4.3717	3.8889	4.1352	3.8455	4.87875	4.13803	4.21035	4.02634
SLC6A20	5.20903	5.4729	4.94447	4.58852	3.67488	4.71089	5.20073	4.74007	4.51707	4.05521	5.0747	4.89377	5.64428	4.50537	4.42363	3.90886
SLC6A3	2.72538	4.29087	2.72411	4.79981	6.10943	2.91286	6.10612	2.98628	4.69241	5.61082	5.91691	3.08704	4.97697	5.17875	3.37408	4.27004
SLC6A4	3.18749	2.85145	2.69832	3.5613	2.5211	3.27966	3.26271	3.29722	3.42878	2.94033	3.45399	3.95789	2.78405	3.67007	3.43926	1.91261
SLC6A5	4.22367	4.2061	4.42874	4.89553	4.05867	4.31127	4.2654	4.09427	4.75405	4.26239	4.42002	4.66277	4.38323	4.09878	4.17798	4.22596
SLC6A6	3.99949	4.2497	3.90701	3.81013	3.7147	3.52747	3.8513	3.85906	3.78483	3.32134	3.86418	3.75676	3.81646	3.88236	3.81899	3.75766
SLC6A7	2.44059	2.31976	2.72411	2.25844	2.29738	2.34348	2.15094	2.21132	2.76258	3.00855	2.50161	2.15748	2.31554	2.57571	2.50999	2.5569
SLC6A8	7.81268	7.05818	7.12112	7.27022	7.55487	7.392	6.36476	6.32945	6.33563	7.74792	7.02299	6.6732	8.14952	6.07493	8.01802	6.05758
SLC6A9	6.00566	5.96577	6.01115	6.23179	5.75592	5.56226	5.84212	5.90934	5.41128	6.42921	6.05177	6.03535	5.3226	5.32594	4.88519	4.61107
SLC7A1	5.67833	5.65114	5.66269	5.30756	4.62434	5.06959	5.81725	5.51081	5.2591	5.21576	6.21106	5.63936	4.38162	5.82355	5.48278	4.78257
SLC7A10	1.70087	1.8084	3.0591	2.00313	1.64332	1.95254	2.1009	2.58708	1.39887	2.15841	2.48014	2.509	2.31554	1.78331	1.94998	2.63794
SLC7A11	6.61862	6.43385	6.87418	6.83848	6.7305	6.27962	7.00437	7.43362	7.08476	5.66492	7.43858	5.61194	6.96496	6.75341	7.2316	7.95413
SLC7A11	5.55753	4.46777	5.86754	5.09328	4.88936	6.37469	5.2173	3.37974	5.8109	5.92053	5.46222	3.65608	5.85541	5.90889	5.35208	3.10689
SLC7A13	2.61145	2.44316	1.73976	2.03633	1.69898	3.03288	1.95222	1.91261	2.07939	2.75002	1.95222	2.2269	4.73847	2.09344	2.89621	3.65514
SLC7A14	4.84961	4.06156	3.50176	3.7466	2.92792	3.56581	4.09191	4.40301	4.54866	5.19004	4.68565	4.1225	4.05144	3.48684	4.10024	4.77797
SLC7A2	6.56368	4.67215	4.86237	5.40326	5.36435	4.19827	5.64447	4.12652	4.23734	4.48842	3.91963	4.58884	4.22833	5.95754	5.26002	3.76997
SLC7A3	5.71324	5.26872	5.59274	5.75101	5.46159	5.70777	6.2284	4.58008	5.70095	4.75793	6.02333	5.83056	5.95749	5.17042	6.15075	3.95427
SLC7A4	4.14477	2.5047	2.37075	2.42109	1.3442	1.84255	3.82111	3.54458	2.32838	3.64403	3.35758	3.21905	1.5627	2.24203	2.45096	2.68598
SLC7A5	5.14061	6.36353	7.62768	6.73025	7.46424	7.24674	8.02454	7.42409	7.7644	7.18981	8.57166	8.56106	6.85535	8.39244	7.8368	7.48798
SLC7A6	7.30859	7.2316	7.53313	7.25522	7.20076	7.43858	6.62977	7.50132	7.56028	7.18879	7.20184	7.12749	7.3888	7.23122	7.36235	7.41841
SLC7A6(	6.96067	7.40154	6.8284	7.07329	7.16505	6.75209	6.62877	6.58393	7.09477	6.86122	6.83089	7.05041	6.10809	7.16687	7.02171	6.97441
SLC7A7	8.07471	9.83019	9.25053	8.60447	9.51816	9.15499	8.27053	9.84942	10.1542	8.61941	9.88457	8.99622	9.32624	8.45605	9.65609	8.89725
SLC7A8	5.5224	5.52053	5.71345	5.67192	5.23459	5.66394	6.59787	5.76996	5.83892	5.62032	5.24995	5.51275	6.0061	6.53205	5.13711	5.59669
SLC7A9	6.5847	6.23163	7.00465	6.5917	6.9667	6.46572	6.2284	6.42442	6.60618	6.45815	4.99175	6.89173	6.69178	7.24953	6.7134	6.38087
SLC8A1	3.46403	3.70752	4.14568	3.79811	3.77565	4.28209	3.32134	3.61186	4.05092	3.42226	4.19646	3.60751	3.47114	3.49824	3.91094	3.40139
SLC8A1-	2.76343	2.70047	3.46064	3.40306	3.17553	2.82958	3.56473	3.8925	3.93716	2.26391	3.76082	3.92728	3.22421	3.61157	3.20725	3.51809
SLC8A2	5.36009	4.45523	2.88071	3.91668	4.30494	5.44553	4.53887	3.71916	4.39872	3.49311	4.52964	4.69025	5.16629	4.58936	6.1126	5.84965
SLC8A3	4.196	3.70377	4.30655	3.97409	4.30999	4.0197	4.09796	4.6969	4.03106	4.41476	4.07985	4.62987	4.07826	4.33795	3.92436	4.01168
SLC8B1	7.54029	7.36089	7.64185	7.14746	6.81217	7.23391	7.24927	7.73862	7.43511	7.23391	6.72743	7.18879	7.22613	7.44322	6.60657	6.83876
SLC9A1	5.55891	5.96423	6.38787	5.52616	5.86223	5.9606	5.72995	7.2117	6.00043	5.49125	6.2401	6.64277	5.89502	6.15893	6.01401	6.31261
SLC9A2	3.25147	2.94714	4.87214	3.1203	3.46884	3.01096	3.61825	3.13235	3.25201	3.85542	2.24458	2.86273	4.79774	5.32594	5.15143	5.84122
SLC9A3	3.4567	3.23142	3.50622	3.45327	3.24511	3.55971	2.98815	3.77845	3.35168	3.13394	3.3159	3.0573	3.32016	3.7466	3.71004	3.75027
SLC9A3F	8.68785	8.75484	7.46659	8.32902	8.00348	7.98082	8.61511	8.51297	8.68017	8.38085	8.17017	7.87596	7.92881	8.2105	8.10956	8.154

SLC9A3F	4.59471	5.66976	5.87779	4.60376	4.14888	5.97527	5.19716	5.68015	5.01527	5.07547	5.50142	5.43811	3.26844	5.39029	4.41729	5.70646
SLC9A5	4.84921	4.73694	4.30999	4.24199	4.17016	4.66635	4.6945	5.07033	4.33027	5.08801	4.69923	4.46957	4.44094	4.76471	4.648	5.01151
SLC9A6	7.46003	7.64894	8.05461	7.72159	8.56997	8.52303	8.22263	8.11228	8.1398	8.11303	7.93391	7.67312	7.29217	7.28595	8.00105	7.25924
SLC9A7	3.36231	4.19812	4.12115	3.54065	5.59554	4.94472	4.99814	4.41182	4.94125	3.83648	4.27723	3.39175	4.89474	5.59184	5.40124	4.36479
SLC9A8	8.0731	7.58738	8.30207	7.78548	6.93323	8.34385	7.88907	4.5714	7.5276	8.30594	7.42791	7.85877	6.69536	8.39024	7.42914	5.68746
SLC9A9	5.21453	6.53547	5.77696	5.51976	5.51033	5.87972	6.22411	5.9407	6.36743	4.69418	5.64043	5.60724	5.3328	6.44845	5.14762	5.54665
SLC9B2	6.16976	6.69783	6.80592	6.34979	5.88435	6.1846	5.9857	6.43533	6.55493	6.18481	6.65718	6.42817	6.25955	5.98878	6.78753	6.11232
SLC9C2	4.66492	2.38181	2.84291	2.6917	1.72326	3.66727	2.82501	3.27899	3.60236	3.58161	3.34753	4.05647	4.2981	2.11654	1.72326	3.9012
SLCO1A2	3.81207	4.04638	4.2082	4.60781	5.77587	4.01138	5.53311	3.44157	4.53653	6.21697	3.68869	3.58775	4.87039	5.01135	4.08503	5.04714
SLCO1B1	5.45261	3.61956	1.41969	5.05978	5.04627	5.34141	4.61995	3.19037	2.70734	3.57327	5.19754	2.63249	3.47767	5.4694	4.13924	5.27193
SLCO1B3	5.82322	5.30145	5.9687	5.94351	5.29145	0.89896	6.15008	2.37778	4.10622	5.79159	6.12946	4.01677	2.29255	4.10225	3.72694	4.08624
SLCO1C1	3.88359	4.04754	4.81338	3.9222	4.32142	2.6179	3.92173	5.03158	3.61646	3.43558	4.1175	3.94849	4.17513	1.69354	3.0093	3.59234
SLCO2A1	7.46703	7.63934	8.68047	7.40248	8.17903	9.84358	8.81664	7.7897	7.36602	7.92577	7.25023	8.76449	7.53761	7.83611	7.55589	7.10387
SLCO2B1	5.70933	6.59049	7.27109	6.45939	6.59083	8.06265	6.6125	7.20528	7.19639	5.9567	7.01407	7.46003	6.45276	6.90974	6.18222	7.06551
SLCO3A1	6.31325	6.53457	6.75374	6.67705	6.70325	7.79666	7.54137	5.67627	6.4743	6.50257	6.95023	7.31491	6.5764	6.3264	6.93089	7.00962
SLCO4A1	5.72034	5.76939	6.03368	4.97312	5.54035	4.03052	5.08995	5.09309	5.22533	5.43532	6.51815	4.33745	4.7744	5.70326	5.86194	6.95444
SLCO4A1	3.00675	4.43918	4.38727	4.78962	4.6969	3.11933	3.50564	4.20167	2.53538	5.52355	5.0929	3.53998	3.69964	4.44959	3.4886	3.86818
SLCO4C1	5.81938	5.74655	5.46033	6.3643	4.06288	4.56473	5.90911	4.94559	6.43444	5.76238	4.75257	4.23458	4.73535	6.00906	5.37077	3.51712
SLCO5A1	3.08747	4.81066	5.28638	4.73761	7.36343	6.12841	6.7284	6.9035	5.29829	5.01477	4.35356	6.55493	5.72886	6.774	6.92377	7.41593
SLCO6A1	1.32695	3.86261	3.85578	3.8281	4.91541	4.91415	6.33808	4.30714	4.71298	3.6977	5.38244	4.78683	5.7348	5.79284	4.2981	5.47218
SLFN11	6.94023	7.27807	8.44675	7.44046	7.41022	6.89966	5.27116	7.59619	7.75423	7.40525	8.12039	7.27718	5.98777	5.4378	6.82178	7.03954
SLFN12	3.81865	6.00448	5.7991	5.04161	5.57221	4.95513	3.98737	5.46715	4.30345	5.44206	6.08074	5.69581	6.05349	5.68695	4.95436	5.62406
SLFN13	6.15519	4.28687	4.19827	3.85504	3.65754	5.20516	3.21389	5.20307	4.74768	6.12063	6.29048	4.63503	4.56226	4.18547	4.41516	4.23928
SLFN5	6.94902	7.1301	7.16382	7.44838	6.85491	6.72579	6.42694	6.63039	7.47527	6.40308	6.84013	6.69321	7.03191	6.26477	6.99578	6.37458
SLFNL1	5.63274	4.76747	5.72269	5.26864	4.20938	5.05088	5.79816	4.91109	4.30526	4.62587	4.20714	4.76487	4.78714	5.04513	5.14478	5.24111
SLFNL1-1	4.01048	5.83371	3.86359	2.72117	5.24432	4.70491	3.79373	4.16157	2.88086	2.77263	4.56115	5.15888	3.88172	4.47605	4.79823	3.97214
SLIRP	9.91603	10.4318	9.68239	10.6212	9.81254	10.794	11.5301	11.3517	9.93225	9.30096	10.9164	10.429	11.5751	10.3765	10.1952	11.2154
SLIT1	6.93089	6.03071	6.75154	6.30909	6.51878	6.75295	6.61156	6.96017	6.2896	6.34082	6.27668	6.49484	6.62843	6.59641	6.58286	6.46228
SLIT2	6.26517	5.63587	6.6596	6.61221	6.35794	7.6443	6.56032	6.19518	6.19388	6.73182	5.85707	7.2935	5.65306	5.33678	5.59746	7.27283
SLIT2-IT	4.91054	3.41586	4.88716	5.4746	4.66694	5.57446	5.4508	5.92197	5.33811	5.57542	4.65546	5.58627	5.45118	5.36972	5.82134	5.10065
SLIT3	5.0241	5.70415	5.13806	5.66181	4.42289	4.99067	4.89233	4.42048	5.17386	6.36178	4.24274	4.45447	4.46375	5.28927	5.53149	4.71386
SLITRK1	4.37472	5.46243	4.36849	5.57471	5.28004	5.1154	5.95685	5.78534	5.42436	5.81954	6.15937	5.41625	5.83698	5.11206	5.19273	5.19241
SLITRK2	5.28282	6.02133	3.66581	4.21125	3.75099	3.88596	5.493	3.65408	5.49365	3.8429	5.47332	3.45239	5.70986	4.18663	4.07595	3.78507
SLITRK3	4.39081	3.86925	3.08807	3.24321	5.18876	5.36454	5.48981	5.73575	4.82364	6.31008	3.85459	3.45239	6.12219	5.16562	5.18587	3.61186
SLITRK4	3.4928	3.0868	3.55672	3.52145	3.60881	3.83749	3.78353	3.52848	3.39928	2.55804	3.92656	3.77832	3.30824	3.23376	3.97703	2.7752

SLITRK5	3.88447	1.29724	1.5627	4.0032	2.12466	4.16273	4.10961	0.91238	4.11284	5.86024	2.31014	2.80132	2.65253	2.11842	2.95335	1.03785
SLITRK6	7.69946	6.02266	6.24612	6.78556	4.87224	5.70383	4.68339	3.02447	5.65506	7.92119	4.96879	4.75459	4.25033	5.18154	3.97756	4.89043
SLK	9.75979	9.25462	9.89146	9.34547	9.15368	9.71731	9.33414	9.26606	9.18052	9.76458	9.55522	8.35311	8.21298	9.09448	9.27414	9.54485
SLMAP	6.35231	6.50855	6.50024	6.34446	6.6849	6.59531	6.45822	6.75295	6.71089	6.84483	6.50052	6.05731	6.57468	5.88373	6.13349	6.33105
SLMO1	5.17869	5.59022	5.30746	6.27917	6.27134	5.1893	5.83208	5.8816	5.43281	6.13152	5.78351	5.58361	6.47973	6.46847	6.65319	5.48692
SLMO2	7.56344	7.94437	7.85368	7.96489	7.99451	8.26134	8.55828	8.14326	7.68033	7.58986	8.17903	7.47951	8.15497	8.14368	8.15305	7.89111
SLN	4.0196	5.52577	4.51085	4.48948	2.89774	4.56925	5.51451	3.21508	5.446	6.87216	2.93839	5.92904	3.19903	3.70919	3.84644	3.62113
SLPI	12.0147	11.297	11.2693	11.4919	7.91547	8.14651	9.38907	8.20228	9.5326	12.9043	9.67232	8.0757	8.11163	8.94789	7.95464	7.17292
SLTM	10.2113	9.7337	10.1401	9.69136	10.0245	10.0245	10.8356	10.1917	10.2195	10.0385	9.60059	9.73221	9.65415	10.2667	10.4135	9.68239
SLU7	8.59699	8.62519	8.71787	8.58048	8.04043	9.02815	9.69136	8.99433	8.48891	8.33649	8.33571	8.10994	8.74983	8.38151	9.0354	8.73434
SLURP1	5.59032	6.36671	5.48664	5.31891	5.40872	5.54525	5.75211	6.05079	6.08039	5.60707	5.93216	6.15904	5.16629	5.53595	4.00119	6.19907
SLX4	4.54546	6.03112	5.63984	5.86803	6.24052	6.58326	5.96423	6.8955	5.75528	5.36162	6.34674	6.43323	6.2836	5.878	6.235	5.80782
SLX4IP	4.99785	3.69757	4.49693	4.96316	4.9251	4.99307	3.88236	4.796	5.14162	4.91702	4.35606	3.1481	4.51825	4.99636	5.23108	4.70118
SMA4	6.28755	6.73883	7.01816	6.4899	5.21707	6.75154	6.56163	6.45116	6.64671	6.87096	6.15798	7.07424	6.74706	6.80229	6.38582	6.64277
SMAD1	8.09661	7.5453	8.41642	8.08079	8.51258	8.3496	8.26381	7.21537	7.69886	7.62214	7.13792	7.27347	9.17731	8.99832	9.17731	8.37262
SMAD1-A	5.05401	5.03524	4.86471	4.53637	2.10233	3.18781	5.55517	5.47019	4.35456	5.23533	4.99175	5.01256	5.82023	5.05858	5.18903	5.39252
SMAD2	6.3978	6.88354	6.67897	6.75013	7.28595	7.0773	7.32785	7.00926	7.04441	6.94188	6.81089	6.58066	7.15085	7.44518	7.08315	6.95188
SMAD3	6.17911	6.09697	5.68816	6.34789	6.08176	6.26067	6.65556	6.78161	6.29331	5.83635	5.95982	5.90129	6.27345	6.19189	6.09528	6.33563
SMAD4	6.30626	6.25446	6.2804	6.21138	6.63574	6.44164	6.45064	6.06026	6.42442	6.63278	5.91076	6.02088	5.59067	6.67568	6.46176	6.19445
SMAD5	6.42722	6.33619	6.31766	6.27203	6.99123	6.93556	7.43124	6.04147	6.65633	6.72233	6.49365	6.67737	6.91814	7.26232	6.8352	6.53856
SMAD5-A	2.34348	1.88256	1.59211	1.444	6.46905	4.17971	7.5578	1.31605	2.22165	1.28097	2.10233	3.78165	3.61424	7.52143	6.38477	3.35278
SMAD6	5.34698	4.93071	5.97965	5.69321	5.47619	5.8784	6.07413	5.79553	5.40872	5.35512	5.48981	5.64185	5.83348	5.47955	5.82316	5.87152
SMAD7	3.26635	3.71031	6.99984	7.35585	6.66485	3.99153	5.86472	4.15015	4.24836	3.72029	6.13088	6.0127	3.7479	6.97325	6.67266	5.49652
SMAD9	5.40398	5.43204	5.19179	5.86281	4.66277	4.94486	5.19056	4.5224	4.66845	5.7048	5.02373	3.92591	3.69464	4.52326	5.30569	4.35425
SMAGP	7.72841	7.09607	6.46799	7.09434	6.6623	5.5118	7.12996	3.69279	6.986	6.28689	7.26549	6.59402	4.97252	5.57489	3.87472	6.89348
SMAP1	8.37595	9.09448	9.01581	8.74527	9.07809	9.46666	9.06728	9.38055	8.78708	8.97179	8.87708	8.54726	8.58224	8.64603	8.53555	8.49813
SMAP2	9.0751	9.19651	8.66004	8.5278	9.16254	8.73732	7.57059	9.18711	9.51229	7.23509	8.77241	8.78072	8.12106	7.69724	8.84269	8.04634
SMARCA	6.01309	5.55737	5.38261	5.42963	5.59319	6.5965	5.60149	4.97252	6.35895	6.55245	5.78435	6.19217	4.10722	5.38659	5.69083	5.27822
SMARCA	6.28563	6.60967	6.82394	6.62078	6.51112	6.31766	6.69348	6.00043	6.29513	7.02928	5.86875	6.78513	6.58025	6.82274	6.64591	6.51846
SMARCA	6.5016	5.73121	6.11277	6.08615	7.11008	6.6015	7.63101	6.60987	6.432	5.91445	6.49124	6.43957	6.16296	6.97076	6.52805	6.22032
SMARCA	7.4963	6.633	7.61518	7.43307	8.48395	7.66014	6.61185	7.8922	7.69972	6.88215	8.08028	5.84854	7.71299	7.11276	8.08705	7.84356
SMARCA	6.45334	6.48524	7.11489	6.65726	7.58161	8.29568	6.46685	7.78636	6.42945	4.31215	6.99972	6.68938	6.99449	7.10496	7.42914	7.29686
SMARCA	7.43547	6.15404	6.79769	6.6686	7.09158	7.61809	7.39951	7.67668	7.60125	6.23691	6.81756	6.17817	6.71459	6.37294	7.48041	7.24802
SMARCE	6.01401	6.77644	5.78287	6.40898	6.18406	6.66101	6.1994	7.25599	7.39105	7.30969	6.23094	7.39879	6.0042	6.16601	6.56249	6.24943
SMARCC	6.39515	6.16466	6.9358	6.72452	6.61395	5.98394	6.74281	6.30673	6.51	6.07687	6.78095	6.4066	6.40279	6.62398	6.4899	7.50356

SMARCC	5.0511	5.18461	5.57884	6.02908	5.39578	6.24911	6.01803	5.67529	6.70439	5.83304	5.84019	6.30501	5.6952	5.98353	6.13632	5.39004
SMARCE	6.60805	6.64035	6.80263	5.70562	6.1129	6.34587	6.36055	6.41069	6.34464	6.11277	6.40819	6.86455	6.07137	6.73292	6.01939	6.32945
SMARCE	10.4489	10.3871	10.0029	9.80516	9.58269	9.99282	10.3343	9.76893	9.86158	10.0883	9.75979	10.2227	9.68695	10.1021	10.1153	10.149
SMARCE	4.7199	4.53056	4.5052	3.98331	4.29414	4.58644	4.52489	4.21802	4.86994	4.72517	4.64303	4.56413	5.01217	4.4644	4.39974	4.42178
SMARCE	8.28645	8.36086	8.0511	8.24533	8.93865	8.36147	9.00167	8.15443	7.93251	8.17211	7.79766	7.60335	8.6757	8.13058	8.51015	8.30348
SMC1A	5.53079	5.47057	6.13418	5.26406	6.13585	6.02877	6.83089	5.3523	5.66954	5.77513	6.32382	5.66963	6.30648	5.56147	6.26645	5.49125
SMC1B	4.04247	4.57543	3.27793	4.2727	2.55772	4.86073	3.29192	3.31083	4.98761	3.26858	3.76737	3.64264	2.52228	5.35478	3.51602	3.62113
SMC2	7.0876	7.58312	7.01721	6.93247	8.18994	7.74752	7.79105	7.90327	7.94682	6.46712	8.93046	6.75374	8.73887	7.36993	7.92801	8.96148
SMC3	6.28381	6.134	5.79424	6.58382	5.80706	6.12693	5.88871	5.65844	6.20644	4.91953	6.39369	6.05143	6.18358	6.15875	6.08731	6.3109
SMC4	6.50447	6.97016	7.34967	6.04515	7.85064	7.17305	8.56201	8.06823	7.46659	5.6046	8.00813	7.08446	7.09026	7.18251	7.67994	8.00027
SMC5	6.02765	6.03389	6.2291	5.91721	4.23832	5.74611	6.23972	4.68708	5.65011	5.46528	5.85803	5.11271	4.87682	4.45332	4.65119	5.10351
SMC5-AS	2.53024	3.54594	4.69482	4.48486	3.18522	4.24599	4.91661	5.81525	4.37613	2.85867	5.36397	5.2571	4.48458	4.44959	4.1596	4.99899
SMC6	7.24802	7.55487	7.57624	7.44541	7.89111	8.03799	7.02978	7.73968	7.81607	7.80021	7.58738	7.10162	7.54269	6.87912	7.92769	7.89638
SMCHD1	5.5628	5.46967	6.27451	6.11865	5.97388	5.80509	6.48013	6.19721	6.21089	5.79256	6.09644	5.90202	5.50829	6.04941	5.94527	6.07045
SMCO3	4.09491	5.62022	4.9024	4.8333	5.58344	3.49365	4.42885	3.90071	4.84572	5.5803	4.19874	5.363	5.01038	4.01187	5.49854	4.83492
SMCO4	9.63071	9.93674	9.89971	9.9517	9.66375	9.40387	7.718	9.21051	10.3074	10.5789	10.8383	10.1423	9.99098	7.95978	9.29585	8.63335
SMCP	4.30677	4.05078	4.12524	4.1299	3.46884	4.39841	2.9333	3.80483	3.90229	3.99153	3.7868	3.42733	4.45382	4.14195	3.53974	4.51771
SMCR5	5.48692	7.1078	5.04282	7.04051	4.74107	5.77015	5.44563	7.30878	6.85409	6.35428	6.29292	6.48329	6.17799	5.77688	5.81981	6.82339
SMCR8	6.84787	7.12996	6.82575	7.06124	6.73573	7.14421	7.04386	7.52127	7.24474	7.08411	7.05226	7.47747	7.1455	7.13124	7.67171	7.013
SMDT1	7.85642	9.31511	8.15161	8.15997	7.36211	7.94829	6.89979	7.24986	7.23137	7.98156	7.64589	8.90524	7.56369	7.22752	6.79793	7.49457
SMEK1	5.77478	5.84429	5.97729	4.42603	5.33652	5.47346	5.5016	5.82978	5.87462	6.48913	5.6613	4.69418	5.65144	4.95106	4.81026	6.07154
SMEK2	6.52048	6.97815	5.86194	6.31164	7.09873	6.73081	7.43769	6.30147	6.19751	6.62237	6.58567	6.4838	6.56768	6.76094	7.01235	7.20792
SMEK3P	1.87757	2.46272	1.79898	1.77186	1.88842	1.4697	1.85693	1.79233	2.43603	1.92074	4.64068	2.24796	4.24814	1.92414	2.26702	1.62293
SMG5	6.41115	6.53987	5.93068	6.27962	7.01673	6.38642	7.60078	6.21767	6.1383	5.89846	6.68352	6.88181	6.27756	7.48798	6.20579	7.11036
SMG6	5.41054	5.56655	4.42805	4.04474	4.55677	5.24887	4.5182	4.74559	5.30804	5.28356	5.94746	5.37568	5.5459	6.09071	4.92686	3.3087
SMG7	5.97943	5.77447	5.54917	5.21321	5.30419	5.9784	5.94761	6.11019	5.93145	5.13353	5.87501	5.05781	5.92139	5.52053	5.97448	6.22203
SMG7-AS	3.07124	4.26674	4.38442	3.80117	3.55993	3.92524	3.93627	5.4025	3.79931	5.65403	5.35423	5.56198	5.03273	4.40839	4.25396	3.69757
SMG8	8.37645	8.15833	8.67455	8.41642	8.28836	8.62725	8.44288	7.87458	8.01247	7.89413	8.18689	7.89679	8.24645	8.2929	8.49014	8.25829
SMG9	5.09944	4.91247	4.51778	4.66635	5.79136	5.17386	5.88064	4.58359	4.92713	5.37219	5.92122	5.42436	4.80703	5.89223	5.45357	5.82837
SMIM1	3.47335	3.6843	4.09823	4.36112	3.59057	4.17372	3.818	3.06557	3.36695	4.67521	2.98436	2.99228	3.44604	3.36587	4.66033	3.38208
SMIM10	3.38024	4.73279	5.48664	5.5785	4.61145	5.44553	2.67152	4.75563	5.24379	4.7154	4.15843	5.46517	2.8623	5.06524	4.42805	4.72447
SMIM11	6.94672	6.56446	6.67139	6.99781	5.85427	6.39634	6.01966	6.05663	6.05071	6.76925	6.61459	6.93323	6.79723	6.03236	6.57993	6.36767
SMIM12	6.2564	7.5808	7.35599	6.7359	7.38424	7.0519	7.0472	7.35785	7.22377	7.85319	7.83406	8.24674	6.99808	7.50856	7.34542	6.06428
SMIM13	5.80477	6.22315	6.51033	6.23883	6.19751	5.77843	6.37535	6.4921	6.39515	6.13336	6.642	5.26854	6.40266	6.26498	6.52754	6.43544
SMIM14	7.06794	7.82975	7.60782	7.76581	6.72905	6.88337	7.57158	6.75273	6.89505	7.79766	6.51929	7.06319	7.11889	7.62564	7.16525	7.08097

SMIM15	8.63992	8.66851	9.47897	9.28504	9.25053	9.1358	9.0105	9.03131	8.99254	9.01581	9.37098	8.03457	9.5431	9.54936	9.819	9.34332
SMIM17	5.10345	2.72769	5.8816	5.81304	6.22873	5.63393	5.73173	3.08616	5.27854	6.2132	5.31852	5.34983	6.64145	2.34474	5.30388	5.8509
SMIM19	9.4567	9.37612	8.29176	9.59677	8.77677	9.07417	8.08689	8.67835	8.73206	8.68454	8.07429	9.40867	9.96657	9.26606	8.26814	9.57819
SMIM2	3.98362	3.7462	4.57737	4.38784	5.24924	4.25938	4.05647	4.76618	4.18038	4.26756	4.28461	5.15143	5.10912	4.93774	4.20362	4.14261
SMIM2-A	2.13523	4.05789	3.23213	3.17801	3.01001	2.97137	4.28532	2.93245	1.98342	3.36001	2.83774	2.6814	2.10686	2.74868	2.41671	1.98412
SMIM20	9.19557	9.45133	8.76117	9.39808	9.13692	9.12823	8.77566	9.1073	9.05969	9.31971	8.65312	9.69447	9.58912	9.4407	8.85032	8.78405
SMIM21	3.36189	2.80802	3.99352	3.47791	2.28011	3.57987	3.36436	3.09819	3.84757	3.42644	1.73098	3.21956	1.26375	3.84757	2.5211	3.45111
SMIM22	8.54913	7.46659	6.45026	7.83611	5.38965	5.65893	2.83966	5.43602	5.59264	7.62016	6.05828	5.92734	6.05071	5.39029	3.50176	4.84596
SMIM24	4.91054	4.14078	4.16313	4.22106	3.66644	4.38024	4.38384	4.2959	4.42376	4.21305	4.32438	4.4103	4.33163	4.44959	4.49023	4.71235
SMIM3	6.58884	7.34276	6.99434	6.7168	7.27163	7.95395	6.87781	6.94256	7.70698	7.46689	7.98789	7.3098	8.09594	7.47821	7.13775	6.88771
SMIM4	5.08461	5.84642	5.70107	5.79724	5.33406	5.17275	5.49659	5.59041	5.32594	5.8125	5.48754	5.24694	5.62225	5.18766	5.12426	6.07804
SMIM5	7.81607	7.56811	6.62758	7.34628	6.55301	6.74484	6.50339	6.26155	7.09315	6.41416	7.09303	7.07704	6.43057	6.14455	6.395	6.62549
SMIM6	5.65081	6.87393	3.32481	6.33814	3.70286	3.95264	4.935	3.85505	4.46077	4.72103	3.87668	4.85676	4.68584	4.90583	4.03892	4.57777
SMIM7	7.99805	7.81636	7.64121	7.94585	8.2586	7.35181	7.36526	7.41136	7.68253	8.06417	7.76334	7.79704	7.52671	8.08932	7.57891	8.10488
SMIM8	6.48665	6.60444	6.18336	6.63752	6.67459	6.68135	6.64035	5.19399	6.8223	6.17811	6.56664	6.25512	6.89788	6.19114	6.62843	6.45276
SMKR1	8.06308	6.95847	6.09264	7.73968	6.77235	5.40039	6.75374	6.43414	5.71298	5.76953	6.40584	7.11194	6.77034	7.79666	7.19814	7.79766
SMLR1	4.3041	5.50113	4.46421	5.23487	4.68245	4.32178	4.13444	5.40153	3.76017	4.88984	4.12524	5.2068	4.0649	4.2296	4.36385	5.03349
SMNDC1	8.08992	8.29485	8.68659	8.5068	9.03434	9.79051	9.03623	9.46237	8.68868	8.21223	9.58085	8.83206	8.84953	9.2707	9.11315	8.81092
SMO	6.21237	5.90543	6.43699	6.33379	6.66328	7.52217	7.28271	5.82161	4.77313	7.59324	5.60943	7.14332	6.47973	7.43592	7.03429	6.6905
SMOC1	4.86304	3.75335	5.07091	5.35185	4.16919	4.27479	3.82197	4.03381	5.12155	5.83892	5.25551	5.23996	4.63084	4.3777	3.75859	3.74573
SMOC2	5.31136	4.29558	6.01372	5.58936	4.00874	5.9082	3.40023	5.06452	3.21905	7.19639	3.38007	7.29617	3.51301	4.30494	5.07446	4.4107
SMOX	4.60263	4.5638	4.70335	4.08712	4.01369	4.84572	4.67909	4.88202	5.14611	4.70533	4.39519	4.6631	4.39265	5.30969	4.49656	4.17188
SMPD1	5.41012	4.54258	5.49356	5.08103	5.31468	5.08207	5.37412	5.14762	5.4498	5.40291	5.30672	5.30804	4.90933	5.23232	5.25291	5.73512
SMPD2	9.19948	8.54726	7.148	8.10173	7.77242	7.47244	7.50417	6.01952	7.07392	7.05226	7.06255	7.59223	8.05758	7.09419	7.48326	7.39264
SMPD3	6.7914	6.09202	6.70168	6.28563	5.74642	5.1686	4.56273	5.57669	5.48393	6.23233	4.98989	5.61731	4.63626	3.5384	5.35996	5.51476
SMPDL3A	4.40463	4.383	4.5638	5.33742	5.00035	5.08426	4.77121	5.00639	5.15808	5.1995	5.34906	5.27941	4.21691	4.95919	4.11186	5.77092
SMPDL3B	3.25613	3.34983	4.46011	2.86149	3.43252	3.60803	4.47351	4.43596	3.41787	6.14478	5.00457	4.29049	4.42363	5.4529	3.83875	3.88236
SMPX	3.72099	3.28675	3.807	3.52553	3.03309	2.72526	3.3753	2.67421	4.72987	2.47565	2.75175	2.01179	3.61424	2.91144	3.6535	2.26153
SMR3A	5.9649	4.16408	4.97034	5.5717	4.99272	5.75891	6.0054	6.74984	6.32121	6.90821	5.59123	5.9213	5.83943	6.03781	6.3295	6.3928
SMR3B	3.33951	5.53829	4.82281	5.27776	5.35492	4.54584	5.28371	6.33053	5.89594	5.84725	5.54085	6.3109	5.96738	4.72155	6.29133	5.70974
SMS	9.90115	9.28755	8.86712	9.5671	9.99098	9.06728	8.29896	8.45287	8.77241	9.02331	9.12492	8.58419	8.93763	8.86796	10.0791	9.32763
SMTN	5.09612	5.12603	4.5681	4.41114	4.60868	5.37837	4.6313	4.53621	4.85449	5.65675	5.29518	5.13175	4.91574	4.38394	4.60009	5.30736
SMTNL1	5.08775	3.50584	5.94218	3.91668	5.35492	5.04234	5.94126	5.92857	5.03513	5.21721	3.09709	4.9875	5.49908	4.95783	6.22482	4.21547
SMTNL2	3.69182	3.66604	3.72265	3.55701	3.61465	3.5856	3.42552	4.26669	3.82945	3.02948	3.77904	4.20427	3.8683	2.79431	3.84644	3.6836
SMU1	5.90756	6.22849	6.05243	6.54781	7.00801	6.25794	6.89817	5.56217	6.1534	6.21138	6.41859	6.73391	5.77073	6.06636	5.69415	6.76518

SMUG1	5.05799	5.19619	4.99435	4.57737	4.92302	4.74876	4.29147	4.22313	4.10052	4.60009	5.12665	4.98849	4.81708	5.76985	4.44979	4.68457
SMURF1	4.71215	4.53544	4.55035	3.64825	4.89182	5.19674	4.45763	3.92524	4.91905	4.9341	4.54176	4.79805	3.92267	4.81793	5.08822	4.66241
SMURF2	6.88166	7.29287	7.28682	7.07497	7.48299	8.07513	7.35627	5.86149	7.74792	7.18064	6.87735	7.13535	7.31112	6.66976	6.89021	6.92196
SMYD1	6.23883	6.20277	5.69427	6.25208	5.39252	4.92554	4.46828	6.77933	4.99543	5.27302	4.978	5.67953	6.33199	5.40477	5.11873	5.8637
SMYD2	5.89549	5.02507	5.18876	5.34226	5.38452	5.57613	5.53911	5.18206	5.38475	5.11873	5.23607	5.99319	5.63274	5.588	5.95703	5.47935
SMYD3	7.50218	7.5278	7.77571	7.87876	8.08992	7.8025	8.14058	8.14717	7.81334	7.9954	7.25783	7.66951	8.2838	8.09011	8.2773	8.30594
SMYD4	7.09987	7.32134	6.08811	7.27416	7.88862	7.77456	7.3713	8.12631	7.97105	7.83154	6.6892	7.1008	7.29424	7.65963	7.67813	7.10574
SMYD5	5.10752	5.5295	4.31281	4.63389	5.75909	6.01466	6.70448	5.89776	5.71298	5.44477	5.78351	6.07116	6.36788	6.03389	5.62022	6.55434
SNAI1	4.68509	5.67846	4.33776	3.8281	2.91487	4.70491	6.18979	4.62117	6.17468	5.89332	5.67523	4.44519	4.51744	4.06652	4.37551	5.96804
SNAI2	7.98012	6.23778	7.63182	7.27242	8.47096	8.57166	7.57009	6.14174	6.97262	8.37142	8.12106	7.41612	8.23656	7.58885	9.25316	7.16305
SNAI3	3.09851	5.86096	5.10007	2.50291	5.11666	4.28649	5.54772	5.54093	5.90526	5.28156	4.44812	5.98617	4.49101	2.82083	3.4886	5.19241
SNAI3-A	4.82236	4.62158	5.05799	5.54788	5.45613	4.02106	3.88524	4.90583	3.937	4.71736	4.82763	3.65968	4.75373	4.51165	3.61521	3.47669
SNAP23	6.18713	7.07623	7.0023	6.56066	6.70561	7.2488	6.31766	6.70688	6.49484	7.00599	6.4906	6.11134	7.06893	6.35462	6.34562	7.01477
SNAP25	6.18701	5.08232	6.03236	6.19045	6.92778	5.04076	6.31984	6.41424	6.0002	5.38643	5.23546	4.796	6.62448	5.73131	6.5166	6.16097
SNAP29	5.60896	5.94337	5.61291	6.23325	5.91251	6.07229	5.79752	6.48536	6.20604	6.11433	6.25405	5.59687	5.9746	5.86411	6.18713	5.83166
SNAP91	6.08511	6.18222	6.54427	5.49184	6.81296	5.46747	6.51161	5.11563	3.6241	4.17211	5.47332	5.96658	5.63647	5.64899	3.77502	7.48493
SNAPC1	7.36223	7.10605	6.95968	7.4773	6.01309	6.05719	6.75482	6.80876	6.89132	5.96774	6.78049	7.1256	7.67098	7.18562	7.38458	6.71204
SNAPC2	3.13246	3.54594	2.81121	3.53793	3.26091	3.73699	5.35566	4.92065	2.86093	2.34717	5.45459	6.25077	3.57524	4.73364	3.9523	3.60117
SNAPC3	6.11583	6.49835	6.16754	5.74852	6.69495	6.04259	6.05086	6.04735	5.85696	5.84879	6.17633	5.81553	5.59254	6.10066	5.49051	6.8226
SNAPC4	7.13293	6.48013	5.68425	5.50408	7.4156	6.78049	6.94552	7.39264	6.45608	5.5016	6.48478	7.43362	6.68871	7.44793	6.82876	7.236
SNAPC5	7.11224	7.16189	7.15273	7.67544	7.50009	7.85403	7.30766	7.83923	7.73741	7.25848	7.737	7.55453	8.00923	7.18753	7.43085	7.4619
SNAPIN	8.73312	8.8897	8.98598	9.53788	8.18266	9.08563	7.80998	7.9133	8.96044	8.12631	8.48462	9.5648	8.99964	8.90489	8.8053	9.21483
SNCA	7.07175	6.60496	6.60175	6.59283	5.40961	6.4995	5.78319	5.37133	5.4513	7.13203	6.35089	6.80563	5.62444	6.14938	6.89041	6.54403
SNCAIP	5.20269	4.79167	4.9541	5.26091	4.63031	5.29048	5.35346	4.56615	4.88894	4.44519	4.07882	4.0195	4.15245	5.98534	5.20228	4.76131
SNCB	3.14636	3.04911	3.34445	3.35104	3.52527	2.74824	3.23578	3.58474	3.42477	3.34275	3.72069	3.46371	2.81611	3.05474	3.27847	3.24808
SNCG	4.42178	4.15981	4.64303	4.38594	4.17188	4.34161	5.35918	5.4737	5.49998	5.00196	5.68746	4.53287	4.39999	4.59328	4.4917	4.77515
SND1	8.75665	9.21661	9.28574	8.56052	8.53182	8.93865	8.25902	8.8088	8.73519	9.90115	8.8583	9.24484	8.44583	9.06609	8.87558	9.25462
SND1-IT	4.02962	4.64322	4.72271	5.89763	3.95816	4.79793	5.98797	3.79039	6.19456	6.0372	4.8423	4.16089	4.12996	5.92308	4.04773	5.60592
SNED1	5.61919	5.26541	5.53294	4.36479	5.13733	5.02733	4.97512	5.25377	5.01135	5.80674	5.00917	5.08207	5.27655	4.39937	5.15429	4.65251
SNF8	8.80228	9.4421	7.96455	8.83006	8.89192	8.94302	8.95146	8.83123	8.95531	9.0336	9.5431	9.35033	9.15245	9.37612	9.15245	9.03229
SNHG10	5.7287	5.91431	6.56497	5.63391	5.49338	6.00736	6.19774	5.77447	5.58265	5.8076	5.49848	5.03092	5.29339	5.74649	4.81782	5.82495
SNHG17	7.88503	7.6195	7.34748	8.22674	8.30848	8.45057	8.1881	7.89362	7.66306	7.84024	8.97528	8.38789	9.2048	8.50501	8.47869	9.00167
SNHG18	5.99039	5.61501	4.99562	4.38405	4.24079	3.98206	5.69581	4.55949	4.72178	6.49415	4.66481	3.72982	3.61424	6.28749	6.0207	4.2888
SNHG19	10.1456	9.64667	8.64603	9.59327	8.26602	9.33414	10.4448	9.65415	8.12177	9.49577	8.56298	10.7308	10.794	10.269	9.01581	9.83943
SNHG22	6.18875	6.4743	6.39433	6.11602	6.20362	6.58722	6.67527	7.3721	6.04427	6.93854	6.00788	6.33896	6.66461	6.21387	6.01598	6.53519

SNHG4	2.83473	1.01454	1.4899	2.63639	3.9949	2.36638	2.27576	2.64349	2.76258	1.28097	1.1038	2.84585	2.36805	4.77727	3.58891	3.82879
SNIP1	6.50178	6.77024	6.47973	6.50306	6.7969	6.61308	6.6827	5.98662	6.6892	6.54125	6.02894	6.69284	6.32921	6.80197	6.47102	6.34446
SNN	7.09619	8.39725	7.93978	7.7963	8.29485	7.78199	7.17376	7.99228	7.99684	7.22466	8.217	8.24318	8.69613	8.52934	7.74315	7.69081
SNORA2	1.32695	2.63607	3.08807	3.85758	1.3442	2.11228	2.06028	4.1399	2.67969	2.15841	4.34817	2.31832	1.97096	4.91553	1.31925	2.38828
SNORA3	3.29685	4.45111	3.85298	5.2072	3.38334	3.93664	4.95143	4.18478	4.78164	2.12186	3.83893	4.85959	3.42036	3.27909	4.40237	3.28662
SNORA4	3.80647	3.65681	3.5252	3.3738	3.18522	3.08198	5.27954	3.60236	3.5256	2.97414	4.31762	3.31042	4.18518	3.3814	3.00483	3.47381
SNORA6	5.60724	6.99729	6.50683	6.54728	6.26091	6.74952	6.47253	7.29718	5.3788	5.91108	6.45326	6.45207	6.85014	6.36077	6.50257	6.65074
SNORA6	6.56684	6.65129	4.82281	6.89281	5.61572	5.55264	6.74335	7.47244	5.11766	6.5296	6.82245	6.21786	6.70155	5.34843	6.69021	6.44906
SNORA7	3.86625	3.89706	3.79506	4.47486	3.63678	3.35869	3.54915	4.33928	3.88447	4.4917	3.8778	3.63599	3.89843	4.77548	3.44676	3.42322
SNORA7	2.55807	2.41683	2.96792	1.85049	2.50418	2.11228	2.5047	2.58708	1.69898	2.75002	1.54854	2.34474	1.4697	2.05268	1.22113	1.70353
SNORA7	4.98058	5.54169	5.00742	4.61163	5.85581	4.90919	5.26131	3.50531	5.14845	5.58409	5.5734	5.02213	5.97368	5.34223	5.65551	5.76382
SNORA7	3.82301	3.85851	3.53857	3.64514	4.23043	3.90154	3.83194	4.11551	3.837	4.12287	4.02452	4.66374	5.03158	4.50716	3.85069	4.49377
SNORA7	2.96659	3.76552	3.86359	3.28542	2.2597	4.15792	4.24394	4.1207	3.5256	2.50603	2.48014	3.42733	4.60738	3.34999	2.47462	2.94176
SNORD1	4.38384	3.73984	3.23213	3.988	3.85505	3.09851	3.65785	3.6374	4.71298	5.61082	4.73761	4.01677	4.27078	4.81617	3.12323	5.08064
SNORD8	2.78698	3.7913	4.23617	3.92314	3.06481	3.68112	4.5001	3.02185	4.5785	4.28059	4.03022	2.95065	4.34089	4.09708	4.26297	3.42455
SNORD8	7.17031	7.48872	8.29543	7.27587	7.67544	7.53803	7.74368	8.69613	8.07018	7.38822	8.73084	7.41008	8.48955	7.42526	8.52332	8.65974
SNPH	3.97	4.46777	3.37247	3.89582	4.27362	4.17372	4.92724	3.70769	3.97161	6.12439	3.82034	4.10127	4.76177	3.57546	3.62574	4.01765
SNRK	6.97702	6.66307	7.13054	6.93556	6.93448	6.5815	6.59344	6.87285	6.75167	7.01184	6.84536	6.55527	6.25369	6.15426	6.36743	6.69457
SNRK-AS	6.20362	5.48909	5.1832	5.07547	5.12769	6.19141	6.40898	5.97974	3.06765	6.32107	3.45096	5.44417	5.80567	3.90216	5.81659	6.42617
SNRNP2(	6.51199	6.94963	7.59977	6.04938	6.77897	7.5707	7.19916	7.16727	7.36002	6.37606	7.0042	8.47497	7.09238	7.12006	7.09901	7.71265
SNRNP25	8.459	9.51037	7.43469	8.75045	8.87147	8.98598	6.92766	8.49676	9.06823	8.13033	8.63717	9.77872	9.55257	8.14751	8.58812	9.23091
SNRNP27	7.69763	8.30977	8.22001	8.30243	7.86047	8.49813	8.31666	8.8365	8.41335	8.07186	8.35903	8.02382	8.76627	8.08617	8.16124	8.23881
SNRNP35	7.99429	7.8419	7.96537	7.88843	7.8718	7.97484	8.13158	7.74695	7.8368	7.95413	7.77874	8.08201	7.55681	8.10844	7.42011	6.48673
SNRNP4(	6.08121	4.68764	3.69741	5.32765	6.404	2.36638	4.008	4.34289	4.06977	4.09007	5.62336	3.29115	4.77152	4.16905	5.20755	3.87671
SNRNP48	6.83558	6.82752	6.84518	7.19373	7.12084	7.2954	7.34444	7.53313	7.49549	6.19919	7.26107	7.16189	7.0855	7.49594	7.41057	7.14512
SNRNP7(	7.35032	7.42946	8.52134	7.92358	7.13293	7.54501	7.90998	8.137	7.67064	7.46989	7.30682	7.84223	7.51793	7.31308	7.419	7.50441
SNRPA	7.20458	7.6055	5.75596	6.9573	7.33925	7.86174	7.43579	7.55989	6.91282	6.44859	7.54722	7.64749	8.27696	8.5744	7.23832	7.93561
SNRPA1	8.48462	8.64417	8.72304	8.62519	8.86928	8.58123	8.66724	9.02044	9.22763	8.46182	8.63946	8.93431	8.81879	8.75966	9.06514	9.31971
SNRPB	9.01134	9.46371	8.65141	9.48206	7.9785	9.77798	8.50865	7.00057	8.39449	8.53486	10.3298	10.6769	9.32902	10.4362	7.97233	8.63946
SNRPB2	5.06404	6.36458	7.34612	7.54789	7.54594	7.73791	7.97399	7.22279	7.17259	6.88076	7.11435	6.62489	7.45236	7.56344	5.73685	7.29117
SNRPC	7.27587	7.77571	7.20025	7.96335	7.55185	8.36242	8.18026	7.77571	8.02241	7.78156	8.11303	7.90812	8.65818	8.25041	7.5707	7.87691
SNRPD1	7.83449	7.82305	7.67544	7.83502	8.23555	8.4259	8.75835	8.64417	8.08028	7.67291	8.52724	8.0064	8.77753	8.78798	8.27879	8.18565
SNRPD2	9.85557	10.5225	9.07661	10.3045	10.9279	10.7596	11.174	10.5062	9.64884	8.86357	9.79789	10.9989	11.174	10.942	10.398	11.422
SNRPD3	10.5665	10.6769	10.494	11.0154	11.1357	10.1952	11.1357	10.9503	10.2628	9.90718	10.8206	9.90115	11.4424	11.4157	11.2278	10.8621
SNRPE	6.60293	6.78618	7.11782	7.2117	7.6668	7.53627	8.20591	9.45067	7.6532	6.93472	7.32307	7.03719	7.93452	7.38533	7.29473	7.40862

SNRPF	7.35585	7.72984	7.14001	8.28067	8.11781	8.88247	10.4412	8.10686	7.7644	6.83558	8.4721	8.15714	9.28374	9.81254	8.3822	8.46478
SNRPG	10.8297	11.048	11.1357	11.4758	10.9636	11.6759	11.9991	11.4058	11.4604	10.3298	11.9498	11.5751	11.7562	10.99	11.0355	11.4424
SNRPN	3.91761	4.61934	4.79814	4.37118	4.75305	2.79576	1.73976	4.8294	5.52164	4.16253	3.21922	3.25228	2.68899	5.10776	4.06086	4.74345
SNTA1	5.94789	5.65446	6.05873	5.15758	5.77051	4.42491	5.07679	4.96224	5.23193	5.99457	5.41954	6.45207	5.90714	5.05216	4.06918	4.36849
SNTB1	4.28848	4.13154	3.60751	3.18543	4.17266	3.38447	4.75823	3.89133	4.51723	4.1339	4.32046	3.54653	4.56297	3.68301	4.37858	4.60918
SNTB2	5.04924	5.21642	5.98373	5.65805	5.6459	5.24413	5.37386	5.44505	5.47823	5.26764	5.71411	5.15403	5.77758	5.51629	5.7941	5.10961
SNTG1	4.24709	3.93679	5.00917	4.44608	4.33068	4.5892	3.02293	4.97776	4.24573	4.01138	4.02973	3.98146	4.80626	3.62383	3.67897	3.31489
SNTG2	3.84953	4.30608	4.26797	4.67186	2.92647	3.54143	4.17372	3.07555	4.2727	3.79888	3.28974	3.83303	3.09851	3.86074	3.26332	4.35543
SNTN	10.5857	8.80992	5.61026	9.91339	5.04627	5.60149	5.22236	1.91261	7.26929	2.34717	1.26375	7.23779	4.35356	4.84817	3.42703	3.27231
SNUPN	8.22106	7.65545	7.93633	8.41228	8.51568	8.12416	8.83036	8.27589	8.3361	8.0064	7.74898	7.84645	8.06352	8.06643	8.2033	8.8583
SNW1	8.62243	8.73887	8.82067	8.64669	8.71228	8.10362	8.16058	9.01766	8.37975	8.39851	8.5278	8.55623	8.07849	8.11737	8.43537	8.49885
SNX1	5.2924	6.06505	6.22295	5.80282	6.40548	6.48263	5.88796	5.91251	5.84642	5.46805	5.79876	6.03639	5.82384	5.6878	5.79211	5.97527
SNX10	6.45822	7.73385	7.62364	7.26448	7.63825	7.44432	7.3775	7.83571	8.67057	6.82761	10.5857	7.46409	9.07714	7.25567	8.14618	8.53799
SNX11	8.78708	8.90648	8.30473	8.44788	8.35903	8.16124	9.18298	8.85441	9.24769	8.40249	8.74527	9.02815	8.49271	8.53091	8.69402	8.43314
SNX12	5.70264	7.10941	6.846	6.32617	5.86024	5.96035	5.63729	5.85911	6.63705	5.8151	7.32029	7.26733	5.79136	5.58425	6.38241	5.89013
SNX13	6.70802	6.56859	6.47102	6.38514	6.44212	6.44292	6.25329	6.20158	6.55112	6.5302	6.39352	6.14076	6.46888	6.26791	6.5545	6.85121
SNX14	5.74329	6.13689	5.72298	6.03664	6.27821	5.67544	6.08951	5.76559	5.64846	5.14928	6.3346	4.68191	4.68091	5.21352	5.42135	5.47986
SNX15	7.80379	7.74032	7.96289	6.80312	7.23612	8.22037	8.0913	7.76557	7.62838	7.76557	7.74423	7.97435	7.93509	8.42204	7.90018	7.55846
SNX16	6.10828	6.86122	6.32734	6.29404	7.49393	6.65877	7.59211	6.28945	6.14693	6.08022	7.27143	5.84754	6.62977	6.54977	7.13403	6.96375
SNX17	9.19751	9.65881	8.68206	8.64938	8.84762	7.92161	7.58583	6.01092	8.85032	9.77645	9.5671	9.73676	8.32492	9.09601	8.40947	9.17582
SNX18	6.13654	6.27847	7.2798	6.05696	5.83989	6.74365	6.52472	5.8578	6.52676	6.79793	6.00101	6.41388	5.76467	6.05731	5.65866	6.67407
SNX19	5.58393	5.9857	5.78176	4.83857	5.98103	6.2422	5.32774	5.40961	5.15007	5.27718	5.60876	5.43359	5.10065	5.54492	5.13175	4.91034
SNX2	5.65707	6.8247	6.61221	7.05497	7.13366	6.13469	7.36398	7.21144	6.53163	6.70618	6.6179	5.55338	6.85619	7.23263	7.06996	6.65329
SNX20	5.88764	7.0195	6.82648	7.11924	6.20265	6.80386	6.31108	6.78945	6.90628	5.53311	6.16959	7.1855	6.5305	6.16313	6.92227	6.16713
SNX21	6.09592	5.88887	5.67054	6.39214	5.66331	5.61936	6.59491	5.31668	5.84978	6.10345	5.62247	6.10571	6.11348	6.18076	6.26587	5.59883
SNX22	5.63391	6.18406	6.03011	6.42772	6.30523	5.42053	5.53039	6.38874	6.0495	5.5306	4.72387	6.6512	6.31399	5.74699	6.01966	5.73868
SNX24	5.36727	5.08944	5.38475	5.70611	5.90772	5.32848	6.31537	5.76203	6.04297	5.8673	5.96497	5.33652	5.12946	5.24505	5.93541	5.35063
SNX25	4.69778	5.03761	4.91905	4.78612	4.88056	4.42048	5.1836	5.27357	5.06359	5.31668	4.36824	4.88123	5.54137	4.48281	4.93921	5.21149
SNX27	7.29519	7.40032	7.82907	7.74423	7.34402	7.78404	7.8444	7.86423	7.72199	7.65874	7.70144	7.78404	7.62491	7.36211	7.6481	7.39238
SNX29	6.72462	7.30766	6.51534	6.78753	6.55763	6.58204	6.5777	6.61672	5.96981	6.33978	6.57409	6.50835	6.56658	6.56799	5.93331	5.8754
SNX29P2	3.38764	3.40694	4.29189	3.47481	2.51778	2.84494	3.32317	3.74274	4.17016	2.10024	2.92837	2.42891	3.55612	2.58931	3.30279	2.56639
SNX3	10.9225	10.99	10.7876	10.908	10.7876	10.4448	10.7548	10.6816	10.8973	10.5826	10.3871	10.6212	10.6273	10.2415	10.6972	10.8912
SNX30	5.97772	6.59447	6.79769	6.986	6.97016	5.87738	5.82817	6.20535	6.55768	6.96694	7.16583	6.85132	7.07369	6.81379	7.64701	7.67469
SNX31	8.24077	6.59871	6.67065	6.47523	7.04141	5.94244	7.35585	2.731	5.11278	5.2535	5.26311	3.31042	5.67961	6.3934	5.291	5.21946
SNX32	4.07985	4.66374	3.6436	3.6751	4.35735	3.86022	4.41443	4.77367	4.11164	4.72309	4.3041	5.37466	3.5244	4.2359	4.30155	5.39524

SNX33	7.363	6.70155	6.751	6.56625	6.03011	7.11602	7.27538	6.6015	7.18732	7.45198	6.55405	7.23812	6.00511	7.09167	7.28741	5.65486
SNX4	8.03572	8.57847	8.75835	8.20812	8.88035	8.25123	8.10408	8.33277	8.33937	8.48329	8.73434	8.23881	8.72673	7.93762	8.75288	9.03003
SNX5	6.41424	7.45503	6.94426	6.86171	7.72596	7.08361	7.34333	8.24481	6.94474	6.78362	7.85021	6.8481	7.15716	7.08169	7.17667	7.83082
SNX6	9.58912	10.1246	9.49763	9.1574	9.63723	9.11792	9.12408	9.43496	9.91866	9.09601	10.3563	9.13069	9.78666	8.33874	9.02909	9.79359
SNX7	9.29168	8.24731	8.13446	8.68099	9.01815	8.55764	8.04669	5.25151	6.48293	8.64334	7.92662	8.15833	7.31824	9.02044	7.84852	6.7969
SNX8	8.02406	7.96631	8.34556	8.17211	7.7023	8.05785	8.00027	8.10716	8.08303	7.88503	7.15262	8.30756	7.73721	7.93833	7.88964	7.70647
SNX9	6.76518	6.08163	7.45153	7.04107	6.47803	6.6832	6.79474	5.03965	6.26147	7.44109	6.54188	6.36379	6.52829	6.60293	6.5296	6.56925
SOAT1	8.06928	7.36129	7.99451	7.74945	7.56186	7.53607	7.28649	7.82446	8.01323	7.17305	8.19149	7.50536	7.01847	7.32029	7.57865	7.47865
SOAT2	4.37472	6.05809	6.09264	5.58134	6.0372	5.086	3.8062	6.51165	6.82158	4.67521	5.54085	7.18657	6.32595	6.36312	6.07381	4.77196
SOBP	5.81223	4.49209	4.7616	4.81517	4.43114	4.56642	4.84118	5.35608	4.97408	5.49147	4.65356	4.86639	4.04706	4.3486	5.08302	4.38541
SOCS1	4.00768	3.9348	4.62754	3.33153	4.88429	4.3896	3.94634	4.43542	4.87083	4.9034	4.23311	4.2003	4.71298	4.86383	4.35831	4.43432
SOCS2	4.9633	5.45233	6.0002	5.70391	5.67908	6.35256	6.11097	5.63984	6.10379	5.96714	6.12451	5.48013	6.27917	6.43689	5.78012	7.13821
SOCS2-A	3.53756	5.29717	3.89015	4.98755	4.51886	3.72561	3.93793	5.41101	5.45949	5.37008	5.02177	5.50419	6.19705	5.44628	5.32857	6.77653
SOCS3	5.59929	5.66492	5.78337	5.68726	5.89092	6.02713	6.03354	5.37458	6.76064	5.78941	6.75635	5.36162	6.10303	6.04708	5.99921	5.58936
SOCS4	6.91856	5.98732	6.39658	5.50657	7.14735	5.44001	5.58265	5.13767	5.60498	6.52472	7.00026	5.06815	5.48642	5.94835	6.44533	6.39707
SOCS5	7.49549	7.00057	7.83639	7.69081	8.56737	7.7196	8.2149	7.3525	7.22049	8.17086	7.2935	6.47903	7.32554	8.1821	8.35311	7.94682
SOCS6	6.55263	6.24052	6.34146	6.10303	5.69505	6.23094	5.9248	5.3422	5.76786	7.08897	6.17461	5.99556	6.27492	6.22059	6.0856	6.75154
SOCS7	7.14421	6.93009	7.17129	7.36252	7.63211	7.36016	7.84645	7.74091	7.58379	8.41276	6.3998	6.94842	6.54702	7.92161	7.52217	6.82575
SOD1	11.7815	11.6606	11.6606	12.1026	11.6889	11.8584	12.4159	11.9804	12.2135	11.468	11.6343	11.602	11.7733	11.8493	11.712	11.6219
SOD2	7.66468	7.64528	7.57258	7.50471	7.96472	7.17651	7.84993	7.86081	9.21392	7.67787	7.95951	7.03311	7.9767	6.93693	7.94504	7.54351
SOD3	4.53148	6.3538	6.29404	5.45803	5.96135	6.63108	6.43533	6.86138	5.40317	6.44639	6.23371	7.083	5.94565	5.75347	5.76606	6.29126
SOGA1	5.57585	5.67314	6.2807	5.71442	5.92839	6.27509	6.44906	6.66387	6.0605	5.85616	6.26672	5.03249	5.87195	5.62589	5.74303	5.88508
SOHLH1	6.53353	6.30382	6.0945	6.22361	6.41319	6.83219	6.36582	5.46715	6.7419	6.27228	6.47337	6.63771	6.14296	6.54702	5.23625	6.45189
SOHLH2	5.69349	5.05059	5.4541	5.23264	4.61145	5.16691	5.02086	5.31438	5.92675	5.65267	5.50327	5.55526	4.69821	4.65312	5.291	5.10495
SON	8.85441	7.8754	8.97832	8.71563	8.43012	8.92473	9.0096	8.41119	8.60447	8.15045	7.93534	8.01409	8.36471	7.82492	8.26432	7.98789
SORBS1	5.244	5.12281	5.46016	5.31789	5.89602	5.6972	5.73904	5.78886	5.01016	6.6447	5.17462	5.60896	5.74014	5.8546	5.76729	5.46214
SORBS2	6.19295	5.53739	5.66285	5.5189	4.91294	4.96105	5.51802	4.83857	5.23301	6.46387	4.5915	4.11808	4.64969	4.34217	4.6673	5.24458
SORBS3	6.90974	7.1559	6.9682	7.30666	6.85121	7.50595	6.8108	7.12611	6.90567	7.81498	6.82404	7.47555	7.14036	7.27186	6.79214	6.88127
SORCS1	4.16757	4.57279	5.28241	4.14331	4.16905	4.58508	4.23119	4.61485	3.8969	4.71007	4.85535	4.28288	3.55069	4.21957	4.21576	4.62508
SORCS2	4.35866	6.22609	4.69482	5.52496	5.75084	5.69972	3.08298	6.42707	3.02333	7.15288	4.07031	3.58989	4.4107	3.36587	5.78757	3.7755
SORCS3	5.99641	5.77073	5.41027	5.06404	5.12472	5.22596	5.58083	6.16296	5.20282	4.84572	5.11801	5.6454	5.70986	5.36067	5.38495	4.5359
SORCS3-	3.31017	2.72769	2.82464	3.6916	4.14888	3.33634	3.47278	2.91144	4.94929	3.05259	2.97056	2.81338	3.47767	2.77311	3.70234	4.33222
SORD	7.18675	7.20013	7.36913	6.99346	8.91477	5.73566	6.66271	7.48502	8.49813	5.56324	6.42772	6.04438	6.35004	9.08426	9.3856	8.11228
SORL1	8.86001	8.66033	8.75665	8.70461	9.09246	8.89011	9.19651	8.77496	8.24077	8.38687	7.13904	8.12039	7.02799	8.54913	8.57084	8.56201
SORT1	6.8352	6.39707	6.18525	6.10097	6.61659	6.22172	6.70274	7.22787	6.82404	7.07392	6.984	6.38946	6.5312	6.18713	6.59734	6.13912

SOS1	5.89446	5.23432	5.53799	5.33781	5.14329	6.16281	7.55108	5.58299	6.37709	5.57718	5.89886	5.63833	5.78459	6.0189	6.03028	6.48172
SOS2	4.19812	5.03413	5.69083	4.99664	4.99067	4.90513	4.50409	5.81705	5.04856	5.23321	5.09451	5.29562	5.32848	5.61119	5.51836	5.49937
SOST	3.13246	0.62135	2.66774	2.77414	6.96882	2.78532	2.83966	2.13755	2.28837	2.2766	2.50161	4.88247	2.92938	5.44628	6.46546	4.30438
SOSTDC	7.10108	8.89983	6.08478	7.02866	7.03085	7.74396	8.0775	3.52249	8.47257	8.31327	2.38828	6.96726	8.44632	7.03429	7.10969	4.79956
SOWAH/	6.74745	5.51616	2.74259	5.00175	3.65448	3.98206	3.53968	4.07245	4.02473	4.28394	3.89949	4.42289	3.79701	2.31516	3.32134	2.96003
SOWAH(	7.59371	6.74227	7.54501	6.57067	7.59162	8.1889	8.11962	6.18481	8.64201	8.15735	8.20866	6.82404	7.71648	7.96537	7.7845	6.07787
SOX1	4.35384	4.17998	4.50053	4.02495	3.13235	4.81549	4.1339	4.29253	4.0189	4.09259	4.008	4.37953	4.50964	4.29444	4.86304	3.55099
SOX10	5.44882	4.72569	5.42632	4.95106	5.08724	5.13206	5.27381	5.05781	6.04132	7.05601	4.77355	4.9654	5.39993	4.23209	4.74035	4.6787
SOX11	3.20291	2.09896	3.37574	3.60751	4.13045	2.98295	5.11924	4.14429	4.66043	3.03952	3.36292	3.1863	2.65434	3.02707	5.01217	3.29216
SOX12	5.99814	5.01135	4.30379	6.05719	4.98271	6.59516	6.64866	6.01028	6.40233	5.81646	5.40477	6.22003	5.79198	5.37804	6.2608	5.72288
SOX13	4.10752	4.09878	5.47803	3.47644	5.06539	5.53595	4.54431	6.13169	5.5118	4.75618	5.03965	5.35079	4.7638	4.53092	4.37195	4.47552
SOX14	2.50129	2.23621	2.44429	2.52969	3.18522	2.99117	2.20014	3.3596	2.22165	2.31329	1.95222	2.36593	2.10686	2.01506	2.56931	1.51008
SOX15	5.82698	6.42667	6.13951	5.70513	5.16185	5.76588	5.35251	5.34179	5.809	5.17033	5.59929	6.36968	5.48278	5.65057	5.28241	5.42595
SOX17	5.59651	5.35968	5.9192	5.92167	5.25736	5.6242	5.324	6.09276	4.65523	5.25696	6.11302	5.78133	5.28328	5.16701	5.90531	4.88056
SOX18	-0.5013	3.83303	0.11027	2.61385	-1.1312	1.59197	1.32308	0.88665	0.36087	2.61134	3.3963	1.69916	1.18021	0.73695	0.46592	0.12919
SOX2	7.18439	5.99003	6.17068	6.44327	6.6164	6.9	6.92817	6.4778	6.47407	6.25548	5.6452	6.89021	6.599	6.93448	7.0519	5.83023
SOX2-OT	5.30253	5.18587	5.30419	5.30542	5.93145	6.34737	4.11808	3.98218	4.63412	5.6662	4.53449	4.12427	4.89893	4.02061	4.61047	4.40686
SOX21	3.00675	2.69344	4.32665	2.83422	3.44117	3.84347	1.63196	4.6981	2.47145	2.38782	4.3732	4.01677	4.46842	2.54935	4.56642	4.11853
SOX21-A	4.30102	1.27177	4.53653	4.99227	3.48434	4.78796	4.27634	4.08791	3.36695	4.97382	2.48014	2.79123	3.02655	4.66808	3.68625	2.12859
SOX3	4.7616	5.34859	4.26756	4.73212	4.45943	4.56661	3.87655	4.72058	3.21549	4.65478	5.09749	5.01049	5.02484	5.0052	4.41097	5.02539
SOX30	5.28282	4.73279	5.7722	5.00785	4.71358	5.6174	5.33349	5.91431	4.66437	4.86372	4.79301	4.57959	5.35907	4.94851	3.89749	4.69252
SOX4	6.84655	6.42803	6.66994	6.12195	7.57081	8.35965	8.68396	6.09461	7.35785	6.123	5.91112	7.31288	7.81409	8.54777	7.84356	7.66097
SOX5	3.7147	3.10839	2.71818	3.75445	3.41734	3.69374	3.79506	2.87745	3.43094	3.45456	3.56706	3.16504	3.0951	3.37625	2.85974	3.31287
SOX6	4.46077	3.98126	4.47417	4.24238	5.12539	5.33224	5.33971	4.05867	5.38724	4.38442	3.93679	4.5224	3.75986	6.16058	5.49607	4.17126
SOX7	6.40621	4.30583	6.42879	6.90769	5.18671	5.84429	5.56872	6.41372	4.59535	5.05274	6.88215	4.04139	4.87593	6.25094	4.87431	4.77269
SOX8	3.53756	7.25599	3.72982	3.87736	7.25163	4.11531	3.52327	7.06858	3.15245	4.61747	3.43836	3.32466	5.4025	3.07586	3.13607	3.54848
SOX9	7.54722	8.14205	8.09817	7.96005	6.34254	8.5744	8.34481	7.9976	7.1396	8.89125	6.90423	7.19839	8.3979	7.64985	7.23263	8.60042
SOX9-AS	4.41097	4.26411	3.4744	3.63078	4.72596	2.75669	3.93018	3.28495	3.45456	6.01587	4.18559	3.45856	4.07659	4.04442	4.07798	4.31266
SP1	6.06384	6.36178	5.95076	6.29873	5.26091	6.21106	6.15777	5.75828	5.85594	6.15307	5.82637	5.88708	6.16574	6.08422	5.53181	6.26444
SP100	6.70344	7.13865	7.13203	6.25418	7.3363	6.566	7.3332	7.96455	7.5193	6.22295	7.29852	7.10875	6.98832	7.25701	7.46283	7.21707
SP110	6.43147	7.26381	7.46304	7.53155	6.47297	7.50393	6.81999	7.75696	7.8012	6.23883	7.51249	7.53886	6.83691	6.45143	6.63193	6.65808
SP140L	5.83049	6.4489	6.58326	6.37535	6.30059	5.96974	6.34875	6.89723	6.95042	6.50511	6.67817	6.58914	6.33239	6.56296	6.72599	6.50281
SP2	5.36602	5.73966	5.74152	5.809	5.96676	5.7905	5.80184	6.04396	6.12974	6.08864	5.46928	5.44274	5.19903	5.41662	5.78238	5.59616
SP3	7.37305	8.11503	8.10716	7.8327	7.88588	7.26997	7.71686	8.29176	7.38342	7.83054	7.4124	7.91877	7.89256	7.61598	7.82305	7.798
SP3P	3.90594	3.60842	3.75788	2.38778	2.73769	2.65434	3.08298	3.94809	2.70734	2.61134	4.49355	5.44151	4.49101	2.95261	3.35152	4.65128

SP4	5.92336	5.78287	5.66581	6.84939	5.84809	5.47551	6.01152	5.55398	5.74899	7.29391	6.37535	6.20554	5.85348	6.62877	5.76092	6.2512
SP5	6.84551	7.76686	6.68261	7.91133	6.84674	6.87495	7.02388	5.35451	7.13353	6.86445	4.89126	7.72547	4.49101	4.05603	5.97378	4.55668
SP6	3.88851	5.18234	3.6244	5.23264	5.56052	3.37812	6.02667	4.48907	5.07244	3.8429	6.59193	5.74024	6.69178	5.77062	6.64457	4.60548
SP7	3.33951	2.44316	5.06834	5.52175	2.85371	3.68688	3.25433	3.45352	3.00175	3.6977	2.24458	3.33905	3.49323	1.78331	3.55805	3.0606
SP8	5.48188	6.63473	6.01401	5.14737	6.11122	4.80031	6.06824	5.89665	5.25678	4.76666	6.57748	4.83886	4.68745	4.53119	5.50211	5.39594
SPA17	10.6118	9.15028	6.43458	9.89582	7.58232	6.88035	6.71311	7.5749	7.41264	6.47575	6.80638	7.68291	7.93704	6.84306	7.02103	7.06621
SPACA1	3.57397	3.03524	5.92868	4.75355	3.03309	3.6144	3.99724	3.74908	3.2065	5.40153	1.91586	4.78986	5.30913	5.6019	5.20755	6.22158
SPACA3	5.25618	4.91805	5.0199	5.93552	3.60374	5.8657	5.55964	4.33496	4.80597	5.63956	4.80626	5.24488	5.70272	5.63684	5.05678	5.3575
SPACA4	6.0156	5.75283	5.21285	5.89763	5.47252	5.85098	6.23636	6.33219	5.52164	6.17446	5.49607	6.56853	6.18038	6.30532	5.34195	6.23094
SPACA6I	5.41101	4.15843	4.39898	5.04304	4.7897	4.21355	3.81063	4.72569	4.20039	5.18643	5.13711	4.16338	4.64341	5.37062	5.08724	5.03935
SPACA7	2.37329	2.72769	2.21086	3.06525	4.48705	4.4329	4.16867	4.50182	2.61941	3.44491	1.54854	4.42829	2.39587	2.28524	2.78105	3.01871
SPAG1	7.14809	6.99294	6.51762	7.22267	6.2212	5.90377	6.6643	5.90934	5.84112	6.17178	6.21558	4.95899	6.51169	6.34106	5.79671	5.67461
SPAG11A	2.83473	2.94714	3.44341	3.33739	2.71531	3.30682	3.03237	3.13235	3.87677	3.09196	3.43836	3.01775	3.88172	3.21424	3.56833	2.88582
SPAG16	5.32626	6.36743	5.71676	6.19114	4.279	5.11244	5.49803	4.15773	3.96598	4.90967	3.71527	4.50167	4.92884	5.42546	4.61234	5.38571
SPAG17	8.30627	7.17923	5.35407	7.69546	6.6623	5.25333	7.8718	4.84165	6.40806	4.18447	2.48014	4.42829	6.16413	7.31697	4.91109	7.05471
SPAG4	6.80828	7.41252	8.97528	8.11303	6.29935	6.27405	5.9813	7.59265	7.90651	8.1831	6.27052	8.1843	6.54946	7.35627	6.69526	6.19135
SPAG5	7.55863	7.36932	7.01252	7.40707	7.71017	7.54382	8.23656	7.66065	7.85403	6.06544	7.90171	7.5342	8.22019	7.55989	7.81475	8.28645
SPAG5-A	5.31564	4.96394	5.32234	5.316	5.17051	5.00103	4.95143	5.51543	5.13318	5.14478	5.72971	5.70016	5.01527	6.06428	6.05522	5.40039
SPAG6	9.63723	8.09518	5.56538	8.68694	6.39515	5.36331	4.90301	6.35743	7.16189	5.59457	5.75211	5.80545	4.88015	5.42251	4.96072	5.45365
SPAG7	8.78561	8.80058	8.48815	9.39668	8.33034	8.71458	8.82696	8.66567	8.05368	8.54777	8.63992	8.92258	9.16038	9.15368	8.87234	8.63992
SPAG8	6.20677	6.31746	5.64828	5.66749	5.94931	5.879	4.42002	7.16305	6.10931	5.78029	5.87024	4.97329	5.77843	6.09165	5.66581	5.99792
SPAG9	6.74529	6.68175	6.98885	6.85308	6.97684	6.92817	6.9925	6.7168	6.85261	6.91931	6.99729	6.70155	7.06455	6.6295	6.87096	6.95257
SPAM1	4.79506	4.9771	5.04076	5.45694	4.99461	5.3543	4.80743	5.80245	4.95161	5.25678	5.62395	5.20228	4.69635	5.30361	4.41311	4.82835
SPANXA	2.47437	4.90793	5.4541	5.50211	4.52738	4.87162	3.27441	6.1296	4.97	5.29139	4.905	5.62801	4.85376	4.35255	5.27633	5.38936
SPANXB	2.96659	2.1636	4.27028	4.9268	3.26091	4.39841	1.73976	1.86949	3.02333	2.93344	1.54854	3.86376	2.17097	2.54935	1.92074	5.56832
SPARC	8.40127	8.4703	9.95833	8.24481	10.1581	10.2583	8.70235	10.2415	8.65431	10.2011	9.22652	9.29168	8.45605	9.06823	11.4272	8.91642
SPARCL1	10.6494	10.1061	11.7897	10.7308	12.0835	12.3743	10.6854	10.1061	9.93796	11.8584	10.4743	10.7755	9.35144	8.93143	10.6932	9.33149
SPAST	4.92411	6.68135	6.98295	5.54233	7.63154	7.28407	7.42028	6.64896	6.58884	6.38382	6.9358	6.74735	7.5677	6.55182	6.90974	7.19916
SPATA1	5.21864	4.97234	5.70605	5.14188	5.78811	5.77015	4.93968	6.5719	5.08232	5.92461	4.905	5.62801	5.70272	5.98436	5.94111	5.61874
SPATA12	3.56191	4.2689	3.0591	4.0196	4.18221	4.38727	3.2194	5.19716	3.09248	4.11891	3.85459	2.41615	3.62729	3.8872	3.27847	4.04011
SPATA13	5.95721	5.76275	6.31325	6.19445	6.0218	5.97406	5.71711	6.61966	5.76588	5.84569	6.15536	6.46131	5.30469	6.02765	5.85631	6.18822
SPATA16	4.54741	5.97245	5.18819	5.11677	4.48291	5.47877	6.1846	5.6453	5.58003	6.06084	5.43545	6.07264	6.39618	5.51937	5.49177	5.12463
SPATA17	7.54165	5.42892	3.60594	7.18347	6.19114	4.28869	3.75913	4.46421	6.00457	4.15758	2.53538	4.73504	4.05249	4.72646	4.12557	4.48157
SPATA18	6.12863	5.61291	4.99004	5.46303	4.63841	4.67186	5.17093	5.05202	5.05088	6.44352	4.38106	4.78444	5.04878	5.43118	4.9576	4.58384
SPATA19	5.55021	5.31219	6.62425	6.36353	6.11163	6.23412	5.58778	5.13789	6.2118	6.62295	6.36854	6.3794	5.77447	6.41639	6.91191	5.95163

SPATA2	5.62881	5.65292	5.53311	6.45523	6.51384	6.62196	5.94721	7.03719	5.67627	5.68071	6.32063	6.43003	6.18181	6.56625	6.774	5.65877
SPATA2(	7.62972	7.43279	7.28011	7.21477	7.66991	8.89725	7.60727	7.50324	8.10844	8.55331	7.73431	9.77389	8.55121	7.88943	7.47244	7.327
SPATA21	4.07403	4.48593	3.85459	4.24058	3.68792	3.86942	3.56284	3.79931	4.44321	3.61388	3.5082	4.2994	4.06207	4.46324	4.21547	4.03299
SPATA22	2.10562	2.6814	2.21984	2.16744	2.53795	2.32386	1.35876	0.92423	2.16738	2.36591	3.77425	0.87321	2.03052	1.5123	1.28186	2.08688
SPATA24	8.25902	6.69812	7.01211	8.30405	6.49354	6.60878	6.38241	6.83558	5.99754	6.62723	7.33768	7.23443	6.90468	6.95695	6.55313	7.14001
SPATA25	5.20828	4.45523	4.52824	5.02362	3.92606	5.39763	3.55696	4.32501	3.99376	5.38177	3.84453	4.35575	5.81769	5.82837	3.98218	4.94996
SPATA2I	6.63771	6.28889	5.55283	7.01673	6.533	6.54574	6.68737	7.45844	7.66822	6.78304	7.17129	7.06663	7.64142	6.07302	6.395	7.0854
SPATA3	4.00401	4.16408	4.31281	3.71004	3.52527	3.81413	3.42552	3.81494	3.42477	3.6977	3.12278	3.35152	4.11891	3.77151	3.46534	3.55993
SPATA3-	4.6618	5.88181	5.31649	5.32271	3.81865	5.83559	5.64301	6.00457	5.74444	5.67897	4.13909	5.73292	6.06337	5.04161	5.41777	5.33214
SPATA31	6.64881	6.28689	6.46394	6.8244	5.75357	5.8691	6.71622	6.77648	6.39124	5.94565	6.1163	5.84112	5.88635	5.32234	6.28062	6.11665
SPATA31	3.46594	3.20725	3.64434	3.3579	4.11944	3.64473	3.19234	3.35152	3.61521	2.78886	3.16885	2.96741	3.31104	3.09731	2.77395	2.98881
SPATA32	6.74124	7.06297	7.20266	7.28741	6.87351	6.02788	6.54916	7.31596	7.1297	5.83789	6.81521	7.4726	7.23209	7.16597	6.67459	6.60175
SPATA33	6.45401	6.64395	4.93774	6.29785	5.16648	4.75687	5.27193	5.12092	4.67765	5.50474	3.67803	5.94238	4.92159	5.35784	4.81141	5.22934
SPATA4	7.70948	6.98315	6.18203	7.54434	5.91533	6.3245	6.5965	6.22568	5.97427	6.47575	5.78133	6.16082	6.56076	6.79723	6.23562	6.48123
SPATA41	4.3226	2.56774	2.70549	3.28542	1.88842	3.76182	1.37571	3.50531	3.11326	3.02948	3.21922	2.01179	2.36805	1.4403	2.67357	3.23061
SPATA42	5.67948	5.7079	5.95993	3.90548	6.24827	5.6174	6.48592	5.45844	5.49113	3.58913	5.60943	5.16402	6.29404	4.13014	5.05327	5.73556
SPATA45	5.21864	4.86753	2.66774	2.90159	2.36593	3.4746	2.78886	2.67421	2.61941	2.91059	3.57447	1.87757	2.79294	2.51368	2.6136	2.96003
SPATA5	5.18766	5.65363	5.64679	5.39096	5.79671	5.54686	5.20037	5.53864	5.43378	4.58758	5.38528	4.72867	5.51727	5.07126	5.10138	5.22008
SPATA5I	5.85707	5.59149	6.17362	5.14478	6.45045	6.04132	5.59579	5.61824	6.34587	6.05846	6.6142	5.85731	6.78968	6.40233	7.19036	7.25642
SPATA6	5.37344	4.99336	3.35515	4.81549	3.89149	3.78397	4.09619	4.43867	3.39891	3.43472	3.26061	4.00224	3.4886	3.60464	4.85376	5.12665
SPATA6I	5.43359	4.33103	4.24836	4.39818	3.67571	3.81937	4.65137	4.59267	4.01138	3.93967	4.45019	4.13444	4.18954	5.2546	3.89967	4.55792
SPATA7	6.41511	5.74968	4.38335	4.80964	5.86803	5.67417	4.69014	4.99425	5.74805	6.10379	4.50924	4.30155	5.9082	3.73786	4.86331	5.782
SPATA8	6.47515	5.35328	6.16461	5.38794	3.9949	6.24569	6.42265	5.62759	5.80222	6.5099	3.79556	6.93537	6.69995	6.05349	6.633	6.77096
SPATA9	2.39268	2.38522	2.731	2.47062	2.90771	3.58923	2.17431	2.60068	3.34048	2.26391	2.69625	3.06255	2.91561	1.74338	3.31255	2.09743
SPATC1	3.00675	3.58335	3.7147	3.5907	3.55491	3.37812	3.74769	3.88575	3.57258	3.75611	3.15604	3.58062	3.66589	2.48051	2.67357	3.32854
SPATC1I	6.6466	6.41137	6.36589	6.63175	6.17343	6.50914	6.7273	6.84248	6.38087	6.75056	6.35704	6.96384	6.85136	6.72599	6.41977	6.17309
SPATS1	7.61132	7.32272	6.49197	7.31148	6.51043	5.99268	6.43909	6.5296	6.36476	6.27228	6.37128	6.15572	6.49605	6.20951	6.51258	5.77838
SPATS2	5.23942	5.99641	6.35256	5.25098	5.62694	5.50616	5.65486	5.54831	5.56655	5.86194	4.80084	6.34383	6.27377	7.06652	5.35044	6.44361
SPATS2L	6.18525	5.81948	6.50511	6.29156	6.73228	6.13852	6.47613	6.41388	6.07868	6.32323	6.19068	6.36107	6.23907	6.39556	6.73709	6.34769
SPC24	4.02718	4.59206	4.24238	2.53795	5.6401	4.94242	5.98501	4.84399	4.7932	2.92162	5.6532	4.52811	5.11271	4.72563	4.62397	5.44001
SPC25	4.95075	6.91931	5.1863	5.82316	6.23107	6.24355	7.10858	7.17619	6.71622	2.80132	7.98479	6.533	7.06373	6.97325	6.94494	7.05217
SPCS1	11.4919	11.9804	12.2456	11.7562	11.2693	11.4758	10.0817	11.5923	11.4058	12.0258	11.6449	11.7733	11.4854	11.0235	11.2558	11.6449
SPCS2	8.70701	9.39963	9.99098	9.53523	9.00167	9.30365	8.69356	9.38768	8.82316	9.74393	8.86928	9.88096	8.97278	9.4206	8.94713	8.82696
SPCS3	8.05612	9.11385	9.92065	8.90524	8.40947	8.84034	8.03847	9.64026	9.33845	9.39209	9.21274	9.52486	8.89011	8.65005	8.2633	8.39851
SPDEF	7.43307	6.31876	5.50994	5.10201	4.76796	4.99899	5.13036	5.03887	5.97268	8.12568	5.26002	5.22858	5.2949	4.84543	4.98956	5.17437

SPDL1	6.81089	6.65833	6.60593	6.10744	7.67639	6.86866	7.49656	7.5453	6.35794	6.57826	8.07664	6.57554	7.62114	7.25023	8.17633	7.80198
SPDYA	2.58692	5.02245	1.19537	4.86331	3.29261	1.19537	2.47678	4.87281	5.54563	1.69907	4.76241	1.07852	2.42653	5.3792	2.56931	2.67577
SPDYE2	3.14636	6.20572	6.1566	3.76038	6.03236	6.19141	4.64688	4.11111	5.10973	5.81954	3.45096	5.52122	4.80326	5.85636	5.83181	4.42279
SPECC1	4.08875	5.11563	5.24808	4.61448	4.81846	5.20768	5.11788	4.06814	5.4553	4.88534	5.09122	5.17427	4.87083	5.22694	4.89581	5.18831
SPECC1L	8.03741	8.33649	8.45462	7.92801	8.42037	8.95046	8.46182	8.44895	8.59024	8.32303	8.00978	8.73519	8.24933	8.32674	7.65029	7.94201
SPEF1	8.16431	7.35321	7.35822	6.73778	6.47219	7.14475	7.02877	7.28797	7.34936	7.14818	6.83889	7.30272	6.99952	6.98769	6.69526	6.55586
SPEF2	5.59162	4.48131	4.16478	6.47407	5.49147	3.78126	4.04301	4.71149	4.41131	4.1332	3.51712	4.72194	4.83965	4.56336	3.9712	3.94824
SPEM1	5.4629	6.01917	5.94768	5.50211	5.36162	5.60571	5.7251	5.83622	5.95207	6.45045	6.09397	6.20097	6.3988	5.67943	6.16396	5.5419
SPEN	5.72307	5.50142	5.96608	5.71411	5.44522	6.00667	6.0893	5.74427	5.84049	5.40356	5.40591	5.71355	5.62822	5.81578	6.06581	5.85971
SPERT	4.74107	5.23321	4.55632	5.55057	4.26259	3.90264	6.1633	6.33896	5.38939	4.54107	5.79816	5.22874	5.94649	6.09189	4.97201	5.52467
SPESP1	5.81304	4.17704	6.16926	5.8045	5.0419	6.61588	2.81469	4.73705	5.29255	5.10215	3.32655	4.59609	4.76177	3.67678	5.1764	2.90822
SPG11	6.55976	6.45939	6.35004	6.35633	6.56975	6.34219	6.2395	6.86192	7.14295	6.78095	5.93291	5.95105	6.63278	5.81438	5.37344	6.05626
SPG20	5.84112	6.03089	5.92232	5.90328	5.87618	5.61533	6.0536	5.43291	5.21413	5.55932	6.28298	5.18381	5.65081	5.79424	6.2736	6.01152
SPG20OS	7.02091	7.07381	6.98822	7.2842	6.80673	6.88372	7.17445	7.59445	6.818	7.56995	6.32627	6.80893	7.21396	6.73545	6.79474	6.87122
SPG21	8.2533	8.2233	8.83123	8.08135	8.29749	8.80228	8.4259	8.43133	9.00781	8.80034	8.32213	8.29921	8.87752	8.62243	8.16431	8.62416
SPG7	3.69182	3.82382	3.56906	3.66594	3.49824	3.36385	3.60262	3.61778	3.50839	3.46275	3.58961	3.19844	3.95924	3.57546	3.62574	3.62725
SPHK1	7.05611	7.26516	8.44542	6.70289	8.99157	7.62863	6.82071	7.50924	7.72467	9.78173	9.50597	8.90205	7.59892	6.85121	7.20013	9.85557
SPHK2	5.53761	6.29584	5.21128	5.69246	6.3379	6.8869	5.97591	4.71122	5.46062	5.2742	6.05312	7.5453	5.50962	6.55405	5.31079	6.29386
SPHKAP	4.95075	5.74682	5.28718	5.10054	3.98376	5.37312	5.7874	4.85984	3.72995	5.89969	3.56921	5.81194	4.82835	4.02061	5.39264	5.37957
SPI1	3.47335	3.75879	2.93758	3.77125	4.92078	4.38727	3.55696	4.59647	4.98761	5.90223	3.60024	2.41615	2.39587	2.88516	3.32134	4.68565
SPIB	4.84543	8.48815	7.00902	6.49706	8.72582	6.4328	7.59643	9.17857	6.19879	5.1134	4.59162	6.18726	8.14058	6.6127	5.70437	8.00842
SPIC	2.58692	6.19272	5.63216	5.22073	7.46832	4.86617	5.0271	6.57417	2.39727	2.31329	2.43603	2.89774	7.68379	5.25231	2.1886	9.98406
SPICE1	4.97343	4.04939	3.51927	4.10524	4.73865	4.08503	4.3777	4.4917	4.60347	3.7594	4.2857	3.3789	4.32526	3.77659	4.7747	3.91161
SPIDR	4.95972	5.30945	5.02586	4.73428	5.93894	5.05142	6.09592	3.46064	4.72297	5.0187	5.65821	5.5628	5.15808	4.79935	6.1373	4.39716
SPIN1	5.37722	5.20375	5.43256	6.51775	5.30756	6.06094	5.27357	4.86994	5.37653	5.63045	6.08225	5.05177	5.60165	4.99162	5.1713	5.50787
SPIN2A	3.44273	2.61396	3.40986	2.67969	3.2065	2.65434	3.45602	3.27157	2.13825	3.42914	2.04035	3.0573	3.94666	2.72254	2.65173	3.35278
SPIN3	5.04856	5.40857	5.49629	4.80626	5.3965	5.69563	3.7093	4.29087	5.37698	5.56185	5.23646	4.68584	4.59228	5.21059	5.54107	5.92734
SPIN4	8.59839	8.7811	9.43176	8.99622	9.19078	8.95915	9.95652	8.50078	8.65638	9.3856	10.1887	7.42011	6.88354	8.28007	7.42868	9.819
SPINK1	6.03131	5.91306	5.54219	5.51387	5.35492	6.42868	5.22744	4.94439	6.46008	6.64145	5.10329	4.2645	5.60935	6.36743	5.90637	6.28732
SPINK13	4.99883	3.77816	5.45881	5.39736	5.0419	3.32048	6.94359	5.89446	4.88674	4.90621	5.23391	4.86421	5.41169	6.20487	4.80513	5.61508
SPINK2	4.34203	5.17489	3.24205	6.57501	4.37803	3.65332	4.05033	3.17146	5.06242	4.03381	2.93839	3.46371	2.39587	3.44975	3.04901	4.85873
SPINK4	5.69349	6.36353	6.01704	3.30112	4.53186	6.13305	6.09242	6.26758	5.76238	6.71161	4.47807	5.89092	6.37347	6.02828	5.12503	6.48673
SPINK5	7.90855	9.40867	7.58402	8.82099	8.64857	8.5352	9.47711	8.31815	7.2235	8.61682	9.89772	8.07686	6.92044	7.80863	8.44181	8.25579
SPINK6	4.0196	5.53282	5.27509	5.64142	4.70851	5.92834	6.06953	3.60236	5.85866	6.20798	5.40071	3.87137	2.6465	3.16811	3.59615	3.44273
SPINK7	2.53024	3.01952	1.91144	2.36312	2.10233	4.26501	2.27576	2.64349	2.70734	4.11891	6.53759	2.46803	3.68721	2.86263	2.49591	2.28681

SPINT1	6.53633	5.45508	4.93717	4.70432	5.48228	5.24763	5.41054	4.59328	5.32454	5.56599	5.56043	5.16123	5.74303	5.75909	5.7411	5.83509
SPINT2	11.0355	10.032	10.1365	10.2628	10.5154	9.98579	9.76458	9.35423	9.47585	10.99	9.65609	10.1739	9.56083	10.7267	9.72915	10.3765
SPINT3	3.16429	2.13825	3.99755	3.42644	2.42207	2.63321	2.1009	3.55509	4.81378	3.31009	3.16885	3.52665	3.34323	4.33558	3.44194	3.13394
SPIRE1	4.82888	5.73705	5.68888	5.75236	6.52996	5.80721	5.9171	5.58637	5.92548	6.04438	5.72846	5.45006	5.66107	6.05626	5.3089	5.33851
SPIRE2	5.63658	5.21321	4.7761	4.90183	5.17875	4.0831	5.28056	5.46554	4.9654	4.84961	4.50409	5.06976	5.12109	4.82016	5.06794	4.76796
SPN	3.47335	2.53824	1.82328	2.65796	2.02496	2.51251	3.14316	3.55509	1.98342	1.87612	2.01441	2.86273	2.5663	3.21424	2.52969	2.88582
SPNS1	7.32289	7.28271	6.39914	6.8053	6.50763	6.83501	4.05033	6.45211	6.97262	8.02678	7.48929	8.54327	6.86424	7.49517	7.38458	7.19582
SPNS2	3.81865	4.41629	6.24242	3.93679	3.6922	5.48131	3.73393	3.60236	5.94368	6.17716	5.47332	5.43495	4.76655	3.39861	4.51056	3.88705
SPNS3	4.29421	3.19069	3.31271	3.71004	2.44843	2.76484	2.67152	3.0481	3.94629	3.46275	3.03593	6.46341	2.75699	3.12884	3.95895	2.61375
SPO11	4.59471	2.26456	4.60079	3.55701	4.13167	4.3562	3.25433	4.11111	3.2065	5.42929	4.13909	2.73426	4.75137	4.84227	2.39175	3.98264
SPOCD1	2.56905	3.93072	3.03207	3.26549	2.86655	3.16412	3.83063	3.57447	3.63219	3.41991	5.72369	2.95531	3.94431	2.85111	3.9277	3.23826
SPOCK1	5.95608	4.43372	6.16926	6.92086	6.5719	5.54883	5.41247	2.17246	3.09248	6.30132	5.92292	5.72913	3.47767	4.1611	5.5861	5.40805
SPOCK2	6.46546	7.19095	7.19839	6.76788	7.53123	7.24292	6.40759	7.43404	7.92486	6.88611	6.61479	7.55918	7.12512	6.19907	7.35212	6.69561
SPOCK3	5.53362	5.22056	5.47786	5.20282	4.50847	4.89804	4.20764	4.95436	4.63871	5.10669	4.26515	4.88353	4.87951	4.82671	4.80306	5.39029
SPON1	5.79671	5.73085	6.66446	5.56103	5.66737	5.7837	5.43465	5.61854	5.11589	6.87912	5.63434	5.51925	4.83683	5.68993	6.85775	5.49741
SPOP	7.30071	7.04341	7.61626	7.23313	6.82297	6.95968	6.55759	5.92409	7.38851	7.38512	7.12512	6.76425	7.2075	6.81265	7.02487	6.69845
SPOPL	7.42589	7.35953	7.52261	7.27163	7.77899	7.25032	7.69819	7.72798	6.8806	7.30165	7.74091	6.71827	7.17913	8.08079	8.38687	7.79231
SPP1	3.68505	4.2994	5.21013	5.17323	5.06585	4.56679	6.07332	3.49429	4.40984	3.44491	5.11655	4.99372	4.25904	4.4442	5.38864	5.84617
SPP2	3.94748	6.1129	5.65394	5.59032	5.56331	4.67381	5.39211	5.46099	5.75622	5.94782	5.49407	4.94936	5.26645	4.9789	5.94351	4.21547
SPPL2A	7.19839	7.38264	7.79105	7.64121	7.60658	7.77899	7.49911	7.02275	7.48453	5.70189	7.60563	7.19735	7.49719	7.63902	7.7809	7.88003
SPPL2B	4.88936	5.10708	4.90868	5.00061	4.75459	5.00736	4.92582	5.17709	4.70927	5.15717	4.52489	5.49394	4.9748	5.20282	5.12281	4.67969
SPPL2C	3.04535	2.67513	4.08394	1.96731	2.87786	2.72526	2.53476	5.63251	4.69793	5.87873	3.51391	3.07028	5.16629	2.65463	2.86345	3.5127
SPPL3	6.3741	6.70168	6.03446	5.84617	5.96696	6.62771	7.34719	6.08163	6.16713	6.30006	5.8792	6.0207	5.74926	6.40673	5.9978	5.56719
SPR	7.49911	6.56664	6.26004	5.47252	7.15366	5.43316	9.14361	5.75271	7.94001	8.28309	6.49429	7.93534	6.61504	8.37142	7.76045	8.3822
SPRED1	5.57874	5.38217	5.31219	6.03144	5.89465	6.05602	5.54107	5.12779	5.1517	5.26149	5.50982	4.62463	5.16446	5.39886	5.41414	5.2576
SPRED2	3.5533	3.1586	2.93245	4.24336	4.09177	4.41344	4.39519	4.59029	4.02938	4.05318	3.81426	3.57654	5.34684	4.54584	4.07298	4.47585
SPRED3	5.8404	6.10003	5.15888	5.26993	5.45343	5.46747	3.74769	5.64861	5.11278	6.05696	5.9736	5.16402	3.80685	5.65877	3.70234	5.63045
SPRN	5.93081	6.71973	6.04194	6.49643	5.92656	5.68258	6.7472	6.6076	6.27012	5.8969	6.05702	6.51672	6.70325	6.86898	5.91547	7.27186
SPRNP1	3.56191	3.13884	2.75954	2.55745	4.85056	2.60961	4.72349	2.30474	1.63986	2.88148	2.88166	3.16915	3.69964	2.95261	3.4529	3.41778
SPRR1A	4.69665	7.40067	4.02162	4.51778	5.04103	4.69665	8.25461	7.83054	5.27575	4.62733	11.0563	4.83949	4.77857	5.19179	6.97736	5.0817
SPRR1B	4.54741	6.79985	3.11137	4.89975	5.37675	3.96435	9.65415	8.36968	4.55668	5.01601	11.8584	3.88029	5.93224	5.09335	4.84645	3.35278
SPRR2B	4.35866	4.05789	4.68542	5.48503	4.54126	4.0466	4.36468	4.98541	6.09683	4.22052	8.09695	4.31399	4.64622	4.15245	4.37551	4.11111
SPRR2C	2.83473	3.60842	3.40102	5.02362	4.64244	3.87636	4.34799	3.55509	2.81157	2.85867	5.43369	5.14209	4.35356	4.78265	4.03892	6.12617
SPRR2G	6.10464	7.04514	7.35675	6.9799	6.69265	6.54311	6.04212	7.25954	7.17396	6.43759	7.05741	4.97617	6.66317	6.94509	6.43655	5.67713
SPRR3	3.65227	5.42436	3.31831	4.24836	4.11067	4.1711	4.62221	6.28298	3.53424	3.11977	10.298	5.42221	2.72769	2.39848	4.79719	3.34714

SPRR4	7.96679	8.08164	7.83703	7.322	7.14603	7.3443	7.63825	8.27821	7.62016	7.8444	7.39156	8.30243	8.08932	7.41422	7.72596	7.68956
SPRTN	6.33307	6.18762	6.41685	6.63175	7.75974	6.42499	7.08726	6.17362	6.06551	6.40531	6.7305	6.15232	7.48739	6.64123	8.11103	7.6831
SPRY1	7.45362	6.841	6.87563	7.29756	5.40673	7.7665	6.33219	6.51748	6.49365	6.99984	6.71983	6.61097	6.79335	6.89488	6.95872	6.31242
SPRY2	7.16675	4.61934	6.06571	7.32949	6.30426	10.1813	6.2836	5.00561	5.71676	8.23881	5.8714	5.32479	4.5431	6.99839	6.2336	6.92712
SPRY3	6.03131	5.46243	5.85894	4.82835	5.99529	6.30883	6.0467	5.48699	4.68603	6.42295	5.77642	6.2538	6.26989	5.59748	5.7006	5.52016
SPRY4	6.06123	5.13976	5.86382	3.6916	5.59446	7.13034	5.85187	5.59748	4.00589	5.99161	6.42465	4.81824	5.07725	5.78941	6.23796	4.93246
SPRY4-I7	3.5501	3.85394	3.49445	4.18478	2.71531	4.89942	3.95924	4.48907	3.78033	6.55737	4.17832	4.06571	3.32016	4.07659	3.8556	3.54848
SPRYD3	7.68014	7.58402	7.42409	7.95378	6.81635	7.29473	7.62683	7.79704	7.95615	7.71255	7.25599	7.29889	6.9818	7.29274	7.14443	6.68551
SPRYD4	7.06843	7.40438	6.79149	7.04654	6.5917	7.06134	6.06953	7.44059	7.33587	7.29251	6.74871	7.15313	7.04911	6.93547	6.59632	6.45595
SPRYD7	6.17762	6.76637	6.71062	6.31399	6.19721	6.12523	6.53507	6.6892	5.68446	6.39515	5.91054	5.86123	6.51546	6.45376	6.02894	6.45355
SPSB1	6.95926	7.28432	6.32509	6.82962	6.22003	6.25151	6.05374	7.23475	7.05063	6.4066	6.70005	6.99511	7.52561	6.33933	6.47995	7.00465
SPSB2	6.65883	7.26714	7.09158	7.38342	6.78596	6.79347	6.51815	5.86617	6.45678	6.44205	6.21818	8.01802	6.90726	7.32824	6.24927	6.39033
SPSB3	8.99832	8.75771	8.86638	8.71838	8.31327	8.78405	7.7273	7.18251	8.71927	8.90341	8.15216	9.84118	8.57084	8.69689	8.35965	8.65818
SPSB4	5.21864	3.84364	4.19503	5.81025	7.27295	4.68499	5.37804	5.23907	2.73661	4.73279	5.06187	4.51148	5.18263	5.81659	4.15496	3.80861
SPTA1	5.0773	5.84226	5.85064	6.01474	5.88955	5.80045	5.7874	6.26758	5.49113	5.13192	6.46324	5.22709	6.18589	5.56916	5.53655	5.30906
SPTAN1	5.61959	5.51727	5.49958	5.30736	5.84691	5.61594	4.9958	6.4479	6.30433	5.6056	6.11665	5.1312	5.25291	5.16804	6.18822	5.52965
SPTB	5.28592	5.2073	5.35918	5.98662	4.53756	5.03113	5.31186	5.03387	4.98989	5.02826	4.88962	5.20662	5.01451	4.41476	4.72194	5.31468
SPTBN1	5.65805	5.13458	5.24458	5.52747	5.16123	5.71246	6.17461	5.30756	5.4479	5.90756	5.22008	4.8213	5.49101	4.89233	5.35585	5.42167
SPTBN2	5.9025	4.01765	5.33894	3.97084	5.69349	3.77609	4.75355	4.43413	5.13395	5.15052	3.95578	4.06056	3.99596	4.33558	5.54464	3.75027
SPTBN4	5.54198	6.09939	5.52374	5.62336	5.22343	5.27864	4.98595	5.63045	5.17157	5.54309	4.65852	5.48754	5.31111	5.48589	4.70927	5.28109
SPTBN5	4.60678	4.64949	4.11758	4.5915	3.89996	4.11531	4.05033	4.47773	4.92985	4.35645	6.55834	5.7063	3.98812	3.99364	3.83184	4.48935
SPTLC1	6.64159	5.8839	5.8257	6.25904	6.32945	6.05873	5.28081	6.02692	6.17219	6.00397	7.39133	5.42031	6.22659	5.85412	5.79337	6.2573
SPTLC2	5.64598	5.22796	4.96224	5.70584	5.22842	4.82965	4.86873	4.98389	5.35546	5.66921	5.72333	4.92674	5.0671	5.59929	5.08232	5.23432
SPTLC3	3.66426	3.48084	4.34817	3.10839	3.54227	3.65619	3.66652	3.64473	3.03585	4.3412	3.39239	3.52918	4.20529	2.89864	3.02599	3.82408
SPTSSA	7.45122	6.63615	8.07286	8.41276	7.4913	7.41697	7.35884	7.25372	7.78783	8.00027	7.98889	8.41335	8.48742	6.69731	7.77708	7.5649
SPTSSB	4.8012	4.32699	4.6173	4.67707	4.53186	3.6144	4.41106	4.71588	5.47507	6.25178	5.10329	5.15888	2.54194	5.08103	4.10265	2.96003
SPTY2D1	8.13158	8.26134	8.23302	7.97532	8.02016	8.13277	8.04077	8.4172	8.13104	8.50644	8.2633	8.11826	8.04543	8.12416	8.02774	8.03276
SPTY2D1	5.20358	5.14549	3.37625	4.95828	4.73675	4.62626	3.87518	5.56117	5.03733	5.17093	5.28736	3.41062	5.86281	4.81876	4.62359	5.02826
SPX	5.21162	5.05688	5.43984	5.28856	4.90488	5.89586	5.36401	6.16058	4.70639	4.07262	4.75238	5.02813	5.15007	5.26541	5.05935	5.51275
SPZ1	2.00108	2.59102	2.91679	2.4789	0.90941	4.0956	4.5939	3.45352	2.64558	4.11891	3.54938	3.55262	2.73615	2.31516	3.23099	2.4366
SQLE	5.96858	5.63228	6.03712	6.1983	6.24242	5.57186	5.65707	6.36706	5.0084	5.29733	6.04465	5.30772	6.57895	6.14693	6.39199	6.0071
SQRDL	8.7993	9.57352	9.3348	8.74734	9.05644	8.8522	8.08028	9.7947	9.62422	8.62766	10.1581	9.16584	9.05078	9.52486	9.04007	8.60404
SQSTM1	6.35913	6.26313	6.34639	5.97627	6.03781	6.6798	6.08881	6.48497	6.50306	6.76714	6.45625	6.00566	6.69654	6.72985	6.55569	5.92522
SRA1	6.89374	6.88898	6.75906	7.06726	6.8185	6.88287	7.38917	7.94437	7.00489	7.25032	7.8917	8.48742	7.81498	7.91644	6.97213	6.87351
SRBD1	6.32278	6.30196	6.51199	6.55391	6.85063	6.78897	6.56076	7.29595	6.80853	6.8266	6.63953	6.599	7.16353	6.13943	6.91889	6.78049

SRC	3.912	4.25033	4.29558	3.98277	4.12155	3.9761	4.30055	4.2307	4.20237	4.2359	4.09572	3.50377	4.02495	4.20938	4.42419	4.07376
SRCAP	5.8431	4.90633	5.55777	5.17386	5.40591	4.95161	5.74926	5.71246	5.44224	5.23907	5.02791	5.24301	5.16933	5.26149	5.64024	4.92944
SRCIN1	4.70419	3.99432	3.31951	4.39519	4.1998	3.70267	4.95002	5.11788	3.56284	3.31951	3.67122	5.1356	4.81676	3.92656	4.26088	4.48511
SRCRB4I	3.42813	4.38415	4.74575	2.55745	4.08624	4.18599	3.55696	2.93245	3.13363	3.25068	3.37552	3.07028	3.84364	4.21305	3.50176	3.85966
SRD5A1	7.13144	7.81934	6.69702	5.98199	8.11103	7.92068	8.92659	7.91065	7.3721	4.86718	7.47951	8.56834	8.898	8.67187	8.00813	8.63631
SRD5A2	8.27473	7.46566	6.29463	7.62638	5.5734	6.11097	5.64784	5.47849	6.233	6.39369	4.42491	6.31399	6.06227	6.1132	5.51476	5.83219
SRD5A3	7.8097	7.66602	6.31307	7.29183	6.81029	6.45189	7.26681	6.48478	6.9035	5.77035	6.3741	4.91999	7.01269	6.80249	6.77825	7.82828
SRD5A3-	2.40819	1.94258	1.4899	1.50761	2.36593	2.65434	2.78886	1.51119	3.2065	1.43866	4.28288	2.46803	3.73495	2.44811	1.78116	4.15607
SREBF1	6.53697	6.67173	4.88894	5.76	6.75154	6.02908	5.44477	5.87483	6.16508	5.99062	7.09521	6.74635	5.71975	5.73452	6.49484	5.91104
SREBF2	6.15738	5.62501	5.58056	5.2998	5.63291	5.92694	6.12974	5.58168	6.59447	5.79356	6.10863	6.42667	5.72697	5.38939	5.74968	5.87211
SREK1	4.78492	5.11832	6.33933	5.66845	5.73705	6.43116	6.2907	5.88338	5.63345	4.96487	5.02024	5.34065	5.3574	5.05491	5.11108	5.61224
SREK1IP	7.05041	6.97857	7.12749	6.99217	7.17852	7.73741	8.13222	7.34801	7.31308	6.73115	7.17445	6.88215	7.13673	6.88861	6.63499	7.04499
SRF	6.16248	6.69058	5.20516	6.93041	6.30532	6.4838	6.76518	6.71717	6.32323	6.11232	6.89281	6.91622	6.22361	6.15923	6.49265	5.93103
SRFBP1	6.08285	5.70016	4.77076	5.62501	6.10396	6.1732	5.81209	5.3634	5.18228	4.97739	5.69186	4.52123	5.92857	5.80121	5.94351	6.23706
SRGAP1	5.74444	4.91594	4.59373	4.59455	4.98301	4.71386	5.16611	4.67471	4.97252	5.60091	5.42167	4.87494	4.61485	5.05469	5.32692	5.18206
SRGAP2	3.20458	2.35981	4.10052	2.49029	4.14429	2.73636	1.59595	3.75544	3.14193	2.96082	3.56014	3.02531	1.91968	2.04007	3.45764	3.64142
SRGAP2(	5.12745	3.56819	5.97084	5.08609	4.24079	5.82474	4.52964	5.01102	5.31934	4.83738	5.49407	6.25576	5.79273	5.50069	6.04278	5.40583
SRGAP3	5.44837	5.38643	5.24358	4.77693	5.25642	5.02024	5.70734	5.18054	5.56599	5.8773	4.51193	4.83125	5.13292	4.71215	4.9443	5.50079
SRGN	7.55367	7.97619	8.78881	8.48129	8.03012	8.42938	6.12395	7.75305	8.13666	7.68291	8.45462	7.7461	8.27303	8.08201	8.32872	7.30834
SRI	9.32763	9.0096	8.49504	9.10357	8.15536	8.74347	8.32985	8.05423	7.78045	8.47157	8.64714	8.2561	8.46832	8.07186	8.92733	8.84082
SRL	3.66681	4.1932	3.11137	4.0196	3.14557	3.82218	3.35187	3.45352	3.6241	4.18447	3.02585	4.25098	3.53101	3.8419	3.30762	3.31065
SRM	6.02901	7.92616	7.52498	6.85958	6.8411	7.50513	7.23812	6.56557	7.40259	7.81285	7.62734	7.9507	8.5075	8.13389	7.36739	8.15642
SRMS	3.84315	4.35031	4.22425	5.61646	2.73769	3.8659	4.4029	2.58708	2.53538	3.49311	2.36593	2.01179	5.03851	2.74868	4.19275	5.13703
SRP14	11.4345	11.5015	11.6759	11.9498	11.9698	11.8738	11.2075	11.6606	11.1909	11.1225	10.9636	11.6759	11.547	11.6343	11.6606	11.7283
SRP19	9.16963	9.51901	10.0285	9.84942	9.24862	9.78666	9.77064	10.2825	9.68026	9.51497	10.0778	9.71962	10.6233	9.51986	9.4407	10.0697
SRP54	9.16131	9.28374	9.65881	9.38644	9.69292	8.45576	8.53664	9.24021	9.20378	9.67862	9.66243	8.8144	8.97054	8.56201	8.97278	8.82891
SRP68	9.13804	9.01134	9.26858	8.95531	9.22889	8.98753	8.96961	9.35033	9.59898	9.7224	9.25598	9.36057	8.82067	8.84953	9.09179	8.4612
SRP72	7.15413	7.74644	7.96702	7.66453	7.61008	7.75576	7.86174	8.08201	7.32228	8.16729	8.0875	6.99217	7.65557	7.21144	7.85403	7.86265
SRP9	10.1334	10.1581	10.9797	10.7357	11.297	11.0235	10.3635	9.99505	10.6426	10.8297	10.8872	9.819	10.9732	9.82345	11.118	11.0289
SRPK1	7.7158	8.10571	8.14368	8.00305	8.3341	8.27589	8.41793	8.46562	8.15642	7.78212	8.31755	7.61288	8.42795	8.01968	8.40382	8.46765
SRPK2	6.41737	6.54	6.49916	6.36077	6.65411	6.7013	6.38308	6.06936	6.55569	6.2306	6.62218	6.43573	6.33769	6.41548	7.0936	6.78466
SRPK3	6.29994	6.73138	7.55185	6.84823	6.44565	6.71281	6.98343	6.22394	7.36413	6.80143	6.8119	7.04312	6.94281	7.14485	7.19234	7.1266
SRPR	6.70913	6.77216	6.55633	6.92148	6.83848	6.54861	6.53336	7.10181	6.64649	7.24445	6.53507	6.78161	7.28797	6.98066	6.12925	6.123
SRPRB	8.82977	8.38345	9.17582	8.62008	8.16729	8.41276	8.2438	9.04557	9.38768	9.89394	8.81505	8.97528	8.36563	8.19842	8.17146	8.54257
SRPX	8.33155	8.20121	8.49751	9.07809	6.80033	8.35311	6.1475	6.84723	6.30147	9.94182	7.52542	7.07057	6.90121	6.52354	7.26403	7.04707

SRPX2	5.17093	6.3343	6.69601	5.12383	5.7104	5.45677	5.39933	5.95874	5.77244	6.08881	6.72553	5.54814	5.27173	5.95743	5.12314	5.55932
SRR	6.31766	5.6494	5.86631	5.01785	6.63824	5.91931	5.38706	6.53899	5.88764	6.24252	5.42842	6.06691	6.18661	6.12053	6.45737	6.2608
SRRD	7.18981	7.52366	7.12946	7.55668	7.80622	7.35785	7.61431	7.893	8.05423	7.66014	7.98438	7.92217	8.01968	7.05429	7.93633	8.12286
SRRM1	7.19145	6.99895	7.5514	7.10387	6.43116	7.31824	7.80799	6.694	7.61598	6.41612	7.06607	6.49982	6.67366	6.81306	7.06405	7.09521
SRRM2	7.50047	6.92944	7.80021	7.5475	5.99679	7.32358	7.45503	7.31898	7.23281	7.06794	6.48263	7.71463	6.89264	6.68437	6.94115	7.08843
SRRM2-A	3.58775	2.89801	4.44205	3.97955	4.84049	4.70491	5.42167	6.22568	3.72995	4.33627	5.69572	5.21084	3.38837	3.52815	5.72953	5.65292
SRRM3	3.9222	3.937	4.82646	4.67533	3.79931	4.06652	4.47847	3.7469	4.5001	5.45261	4.2994	5.16276	3.71882	4.57473	4.82805	3.99184
SRRM4	5.05059	4.83573	4.44022	4.814	4.52188	5.01553	4.26239	4.93512	4.81517	4.49326	4.03299	4.52648	5.27976	4.93625	4.71386	5.10888
SRRM5	2.75185	2.65522	2.70549	2.36312	2.68714	2.65434	2.56625	2.67421	2.47145	2.72148	2.72092	2.93048	2.75699	3.33112	2.72952	2.67577
SRRT	6.92479	6.63846	6.30347	6.57401	6.91379	6.67094	6.91486	7.06102	7.10409	6.86297	6.63803	7.17836	6.91031	6.50696	6.73182	6.9595
SRSF1	7.14059	7.2112	7.44463	6.92002	7.7845	7.53657	7.76017	7.5573	7.29816	7.1455	7.77398	7.29756	7.25914	7.30458	7.56639	7.75805
SRSF10	6.19445	6.6608	7.43511	6.94648	7.56462	6.86908	7.78199	6.83474	6.47754	6.90407	7.80515	6.51642	7.16948	6.95042	7.10887	7.49942
SRSF11	8.10791	7.14616	8.12204	8.13446	8.32985	8.64938	9.055	7.88093	7.03897	7.89962	7.23519	8.04634	7.9407	7.63045	8.40722	7.82655
SRSF12	2.51392	4.822	4.51222	4.03451	4.60548	4.74277	3.38208	4.30268	4.35897	4.45813	3.88735	3.68581	4.78187	4.82835	4.86655	3.18189
SRSF3	7.2038	7.34672	7.22488	7.34016	7.70022	7.55303	7.1553	7.17933	7.53191	6.95611	7.88441	7.50132	7.43016	7.52841	7.61408	7.98057
SRSF4	6.31746	5.95836	6.91554	5.935	6.23481	6.37898	5.878	6.33001	6.42879	6.89817	6.5305	5.60069	6.26604	6.34052	5.70326	5.82908
SRSF5	9.38768	9.16131	9.28374	8.87038	8.9396	8.59699	7.89872	8.95773	9.04381	9.29827	8.65576	8.31053	8.34385	8.67455	8.43886	8.53034
SRSF6	7.54351	7.30859	7.17539	6.63311	7.99096	6.4954	6.62814	7.02888	7.50393	5.85266	7.30238	6.5579	7.71882	7.60636	7.19424	7.04241
SRSF7	7.80586	6.8648	7.72445	7.91508	8.59782	7.18953	7.46505	6.83752	7.29639	6.68773	8.05538	8.13742	7.62466	7.35698	7.65178	8.51429
SRSF8	8.62066	8.29921	8.43133	8.4721	8.59487	7.81833	7.9697	8.2633	8.06455	8.58048	8.02016	7.63603	7.77441	8.58931	7.92906	8.26942
SRXN1	7.64485	7.72905	7.86057	7.94301	7.72392	8.10956	8.049	7.44712	7.67349	7.96606	8.20702	7.73503	8.18415	8.51084	7.48976	7.16929
SRY	2.53024	2.39163	2.65267	3.53793	1.93871	1.68859	2.15094	2.49961	3.09248	2.61134	2.3203	2.8813	2.59488	2.57571	2.67357	2.07548
SS18	6.10345	6.40719	6.39707	6.06598	6.22045	6.12507	5.99084	6.22736	6.79938	6.49752	6.49328	6.36638	6.11701	6.41151	6.49328	6.20677
SS18L1	7.4773	6.98753	7.83558	7.45787	8.01247	7.92682	7.5931	6.52183	7.25065	7.33374	7.42977	6.20579	7.68857	7.50807	7.99006	7.83639
SS18L2	9.01766	9.92829	9.76219	10.269	9.06301	10.0868	8.54112	9.90783	9.56807	9.13151	9.90115	9.61082	9.77064	8.72336	8.88559	9.83281
SSB	7.7737	6.87868	7.42469	8.13666	7.23912	7.7952	8.14551	6.65193	7.55265	6.51364	7.68599	7.63362	7.96389	7.65049	8.35838	8.14684
SSBP1	6.68524	7.43992	7.46613	7.82261	7.37944	7.97619	7.93589	7.79105	7.75576	7.44838	7.45941	7.22234	7.90137	7.69452	7.60537	7.74978
SSBP2	6.35462	4.89504	5.79382	6.64123	5.50079	6.55289	6.61362	5.24413	5.78799	6.31876	4.8731	5.51915	5.74642	6.87275	5.50917	5.67859
SSBP3	6.32734	5.93563	5.1794	6.27492	6.60418	6.21387	6.86192	6.89899	5.91315	6.95429	5.75337	5.41737	7.06144	6.48524	6.52472	6.87481
SSBP3-A	6.22575	5.96577	6.40934	5.99734	5.0677	6.96157	7.00388	5.95144	6.06835	6.59193	4.50609	5.91306	5.78301	6.34313	5.49373	5.76606
SSBP4	8.01802	7.71915	7.05101	7.2038	6.92291	7.36164	6.96795	6.26865	6.93041	7.31112	7.30095	7.93391	7.55025	6.90602	6.74845	7.55918
SSC5D	6.75145	6.42252	6.64348	6.81894	6.07218	6.50096	7.46689	6.34224	5.66243	6.87216	6.49304	6.50511	7.29931	6.24419	6.72654	6.07197
SSFA2	5.90706	6.1481	6.65633	6.89979	6.76898	6.0856	5.48754	5.24052	6.08718	6.60829	6.52082	4.25904	6.38874	6.24308	6.4523	5.47346
SSH1	5.28109	5.37653	5.54035	4.93183	5.34879	5.27316	5.40101	5.29597	5.26165	5.3793	5.9893	5.46928	5.28927	5.84601	5.84764	5.0543
SSH2	5.34336	4.60513	6.45163	6.4057	5.17978	5.92734	5.62971	5.06996	5.32566	5.39578	5.88152	5.79101	5.85427	5.35812	5.09878	6.33083

SSH3	5.7765	5.78904	5.72953	5.89104	5.09749	6.01229	6.40021	5.67434	6.06758	6.09786	5.03836	5.01027	5.63833	5.70279	6.07868	6.00397
SSMEM1	4.15877	4.36607	4.07595	4.41697	3.99805	3.55219	3.46478	4.0831	2.60305	3.2112	4.63367	5.12208	5.39886	4.60099	3.44491	4.7593
SSNA1	8.93431	8.93143	7.85197	8.52243	7.57594	7.9785	7.71541	7.10517	8.06928	8.41616	8.90341	9.06514	8.9792	8.77753	7.87161	9.09316
SSPN	6.48629	6.44164	6.67217	7.48951	6.10048	5.7854	5.92319	6.00511	6.28487	7.24729	5.19927	6.58169	4.85948	5.83661	5.87597	5.25519
SSPO	3.14636	2.59102	2.48448	2.36312	2.71531	2.95599	2.73211	2.64349	3.13363	2.98998	2.66551	3.21231	2.39587	2.77311	2.56931	3.40822
SSR1	8.3687	8.58419	9.50874	8.66851	8.7381	8.96445	8.51154	8.98841	9.19307	9.56208	8.83123	8.37142	8.46688	8.53692	8.95876	8.35838
SSR2	10.167	10.8297	11.1909	11.088	10.5619	10.6932	9.90936	10.6607	10.817	11.374	10.1309	11.3844	10.5911	10.4836	10.7548	10.9946
SSR3	6.87096	7.46505	7.71057	6.83587	7.11663	7.02742	6.9573	7.78878	7.50258	7.95615	7.61185	7.28084	7.57258	7.01865	7.18473	6.69482
SSR4	11.3155	11.9991	12.5323	12.1308	10.8206	11.3155	10.9309	11.2633	11.3355	11.9441	10.1542	12.2366	11.3587	11.5856	11.4758	11.063
SSR4P1	3.80647	2.8813	2.91679	3.21843	4.01874	3.30682	2.39011	2.75656	3.80565	3.02948	3.6751	3.76552	3.43133	2.41572	3.10868	3.38208
SSRP1	6.63473	5.40071	5.44417	5.71911	6.58884	6.89899	6.39176	6.01209	5.8913	6.9948	6.81451	6.29187	6.05975	6.82513	5.915	6.27726
SSSCA1	7.09829	7.12158	7.21477	7.10094	6.77644	7.64645	6.9158	6.40406	6.99644	7.04472	7.24715	7.76017	7.44447	7.76668	6.86155	7.00766
SSSCA1-	2.63482	3.27087	2.91679	3.53793	3.22566	2.39513	3.10453	4.77096	5.08822	3.02948	3.3159	4.64303	3.54537	4.95231	3.50176	2.90822
SST	4.04247	3.28675	5.26091	2.98748	4.59036	4.56925	4.94479	3.02948	5.62078	4.39917	4.21854	3.96659	3.34323	3.21424	6.07584	4.7519
SSTR1	2.88516	3.85675	3.9012	4.78876	2.56727	2.79274	1.82636	2.59594	3.32216	3.99629	3.332	2.30816	2.72354	2.8112	2.31014	2.89801
SSTR2	4.51282	4.2981	5.00206	4.55883	6.41151	5.08353	5.92025	5.26786	4.12592	4.36086	4.78297	5.82837	5.14398	7.39238	5.36435	5.56117
SSTR3	5.50657	5.38261	6.19919	5.27924	5.27501	5.60769	5.31111	5.70084	5.29562	5.05901	5.55223	5.60909	5.50719	5.50142	5.56324	5.66603
SSTR4	2.27273	1.91586	2.3147	2.03633	1.93871	2.45459	1.85693	2.17246	2.07939	1.96807	1.79233	2.04143	2.17097	2.01506	2.04035	2.04035
SSTR5	6.49761	6.63541	6.27377	6.20242	6.11232	6.36148	6.3109	5.94733	6.50381	6.2628	6.20964	6.2843	6.46097	6.04321	6.67644	7.09595
SSTR5-A	7.55335	3.92591	4.29326	3.8462	8.18689	3.93664	4.18377	3.58474	4.06039	9.79203	6.14693	3.61408	3.66589	3.71992	3.84644	5.57353
SSU72	8.11404	8.23302	7.63318	7.72074	7.38533	7.30921	7.35068	7.95894	7.97727	8.46025	8.18097	8.67368	8.22892	7.89038	8.02431	8.29715
SSUH2	5.58309	3.03524	3.23213	5.55949	3.42572	5.3672	3.20323	2.93245	4.47552	5.23982	3.0131	5.38586	2.79294	2.99448	3.64338	4.07003
SSX1	4.3624	4.50899	4.93594	5.1344	5.20104	4.65971	4.91529	5.72497	4.44253	5.36401	3.57764	4.70881	5.20142	5.1344	4.38442	5.35947
SSX2B	2.70064	4.9984	2.17949	2.36312	2.76484	1.26539	3.03237	3.06557	3.00175	2.5437	4.96638	2.13113	5.17427	4.1611	2.34348	3.13394
SSX2IP	6.2843	6.089	5.61784	5.72269	7.77611	6.90322	7.43511	6.74845	5.84898	6.20735	6.47861	6.20735	6.55342	7.72291	6.84402	6.73709
SSX3	4.68891	4.40463	4.95474	5.69415	4.67533	4.91247	5.09531	4.85148	5.34452	4.42232	4.63911	4.9796	5.18807	4.91131	4.73045	5.20129
ST13	9.26078	9.055	8.89896	9.31635	9.34108	9.7059	9.7059	8.96148	9.21274	9.38206	8.79047	8.30348	9.15617	9.48779	9.41176	8.98405
ST14	6.97901	7.52685	5.28972	5.74444	7.30569	6.51189	5.23546	5.0986	5.61508	6.8731	6.50348	6.45401	6.49752	6.79262	4.90369	6.71127
ST18	3.53187	5.00482	4.1225	4.55979	4.42934	4.3268	4.30874	3.96497	3.34075	3.77177	4.14389	4.72417	3.60803	4.05318	4.62626	5.27976
ST20	7.53557	7.72559	7.61288	7.19947	7.56597	7.50356	7.06434	7.79386	6.8185	7.23363	6.65352	7.55367	7.37909	7.05272	6.92124	7.82446
ST3GAL1	5.89935	5.46335	7.07521	7.0023	6.15951	7.08255	5.26908	6.23883	6.91622	6.40363	7.23209	6.27095	4.86471	6.11583	6.21679	4.73761
ST3GAL2	5.19674	5.28004	5.41945	4.96159	4.81793	5.46594	5.46062	6.11077	5.81948	5.40727	5.39317	5.18306	5.42389	5.809	5.13097	5.23646
ST3GAL3	5.54182	5.30268	5.5459	5.35681	5.07971	5.21878	5.00256	5.12769	5.64447	5.59831	5.29777	5.86096	5.78799	5.30024	5.29174	5.41101
ST3GAL4	3.92805	4.25775	4.12051	3.64011	3.92436	4.664	3.60684	2.97258	3.36123	4.83281	4.27298	4.09669	4.14331	4.07071	3.6144	4.07634
ST3GAL4	5.12105	2.63607	5.23257	5.49184	6.04546	3.88596	3.29192	5.47965	5.59264	4.45539	5.38391	5.26415	5.54936	3.6977	5.99212	4.97152

ST3GAL5	8.01894	8.70461	8.65073	7.85291	8.17389	7.76594	7.75627	9.03764	9.29827	8.0815	8.65698	8.32439	8.43726	7.49699	8.2438	7.98508
ST3GAL6	5.67627	5.84617	5.48325	5.15911	5.9717	5.80143	4.54782	5.44364	5.65893	7.13792	6.01665	4.17094	5.95058	4.97729	5.52577	4.73561
ST5	9.36362	8.64938	7.64001	7.9098	8.92696	8.63776	8.16905	8.41394	9.09776	8.96842	7.81285	8.3014	8.79808	8.29568	9.67089	7.96489
ST6GAL1	5.14578	6.45718	6.395	6.1584	6.44872	4.83215	5.44417	6.0002	6.35878	5.32899	4.85855	6.03469	5.78381	5.72881	6.23007	4.57451
ST6GAL2	5.64126	5.04296	5.34717	4.9646	5.2742	5.782	4.7581	3.99254	4.8012	6.31746	3.92591	4.85029	4.2448	4.83307	5.6104	4.56962
ST6GAL1	10.7755	9.96657	9.50452	9.26606	7.04994	7.17651	7.98758	6.40916	8.54112	10.5154	8.24481	7.94656	6.48536	7.25283	6.59892	5.91594
ST6GAL1	8.22214	7.91032	7.11489	6.94344	9.37829	8.54398	9.32986	6.40406	8.65949	6.98234	6.72976	7.79648	8.69882	9.60191	9.44547	7.46213
ST6GAL1	5.31338	4.78506	4.99255	5.10366	5.32934	5.79691	5.0047	6.2997	5.89854	5.97829	5.83698	5.20089	5.87597	4.39545	5.35208	5.45816
ST6GAL1	5.53003	4.67186	5.23521	5.50277	4.38727	5.43734	4.84933	5.45098	5.20903	6.27095	5.0543	5.32234	4.61686	5.6972	5.34487	5.03158
ST6GAL1	5.73566	5.71612	5.85003	6.24346	5.28677	5.77587	6.31081	5.8178	6.0728	6.34034	5.7418	5.93055	5.70136	5.74862	6.2539	5.25736
ST6GAL1	7.40139	7.11689	6.82812	6.74939	6.34562	6.0512	5.4508	4.63015	6.64383	6.94031	6.19608	7.09619	6.16667	5.2072	6.34106	5.98732
ST7-AS1	5.24458	4.57543	5.46755	5.09667	5.54991	4.56925	5.31453	5.78152	5.45694	6.37606	5.33643	5.29643	5.66277	5.0094	5.6968	6.0757
ST7-AS2	3.55543	4.56679	4.18267	2.04536	4.54485	2.9644	4.2696	3.37247	3.9378	4.13479	3.75654	3.09229	3.82827	4.20362	4.04474	4.23043
ST7-OT4	3.76841	1.54402	2.79272	3.15929	0.90941	4.63077	4.15069	3.80483	4.06039	2.38782	4.91661	3.10037	5.36439	2.16332	3.8556	2.45954
ST7L	5.4303	5.25618	4.68387	5.19674	5.33379	5.75808	5.55081	5.12733	5.50113	5.48503	4.87993	5.59367	5.41079	5.21219	5.43076	5.32123
ST8SIA1	5.87873	5.80686	6.26231	6.74706	6.83168	6.32531	5.8773	6.65491	6.05942	4.71037	4.84882	6.18943	6.33207	5.91276	6.54916	6.63879
ST8SIA2	2.11028	3.94138	3.87225	4.20764	4.48907	4.1711	3.49642	3.20265	2.42051	3.49866	3.44341	2.5211	4.19082	3.89149	3.9949	4.36649
ST8SIA3	4.481	4.49101	4.82081	3.86658	4.45956	4.40873	4.32624	4.67447	4.38594	4.03022	3.85815	4.70049	4.79506	4.88716	4.48242	4.3801
ST8SIA4	5.64894	5.70107	6.36989	6.20463	5.86875	5.92567	5.39317	6.70872	5.54732	5.13872	6.85903	5.89446	6.1103	5.09201	5.8117	6.06266
ST8SIA5	5.43821	4.76681	5.06128	5.13074	4.71531	4.78947	4.72163	5.09101	4.77643	5.00585	3.76344	4.60121	4.3486	5.32805	4.90838	5.37607
ST8SIA6-	3.68019	5.21546	4.5182	6.10352	3.86774	5.21505	6.09746	5.75589	5.28829	5.7037	6.04147	3.76552	5.51045	5.09335	4.84645	5.62053
STAB1	5.8792	6.32715	6.68609	5.61383	6.26366	6.10197	5.70764	6.47564	6.65808	6.15085	6.28053	6.64772	5.80686	5.74014	6.18015	5.56324
STAB2	4.36875	4.34511	4.79626	4.7932	4.55761	4.61234	4.26924	4.85855	4.3961	4.99189	4.42934	4.53352	4.9541	5.06762	4.60821	4.80583
STAC	4.33259	5.62022	4.9891	6.56661	6.09857	5.75554	7.28961	7.15615	6.71047	5.70745	5.94573	6.46572	6.8535	6.6692	7.1256	5.91054
STAC2	6.59208	7.32935	6.40667	6.66198	6.5917	6.69086	6.39556	7.32857	6.86237	7.78294	6.46097	6.14728	7.20937	6.51238	7.22067	7.43579
STAC3	6.23393	6.07029	6.32843	6.48043	5.68081	6.26966	6.19774	6.5719	5.76238	6.10884	6.01952	6.25077	6.53353	6.4173	5.62022	6.19705
STAG1	5.52153	6.44039	5.77127	5.9192	6.40279	7.01967	6.32617	6.29513	6.88587	6.621	6.75718	5.8278	6.09697	5.59856	6.60626	6.59344
STAG2	8.33874	8.35767	8.47257	8.57292	7.74792	8.65431	8.87832	6.8185	8.77566	7.72037	8.27971	7.48235	8.28645	8.14844	7.89256	7.90591
STAG3	6.73015	6.73647	6.58002	6.59019	6.78466	6.30069	5.71182	6.75429	6.82285	5.57542	6.57	6.80461	7.01959	5.92827	6.68752	6.94411
STAG3L3	6.42897	5.71111	6.48278	5.60298	5.37462	6.5886	6.8502	6.27958	6.06266	6.6317	5.91445	5.5785	5.94021	6.20487	5.8105	5.64319
STAG3L4	5.05142	6.2427	5.57534	5.57367	6.17432	6.31578	7.00878	6.43323	5.73398	5.85398	6.63097	6.43268	7.2117	6.42879	7.00541	6.65239
STAM	8.72194	8.73982	8.99433	8.93549	9.23779	8.80081	8.53182	8.89983	8.65188	8.65638	8.78616	8.64334	8.6233	8.40816	9.23091	8.63859
STAM-AS	2.77283	3.67703	4.64502	2.63639	4.14888	2.81599	5.36059	3.02948	2.70734	4.5431	5.0773	2.55562	4.19674	4.51021	4.72297	3.45478
STAM2	5.69143	5.60769	5.36981	5.57001	5.4645	5.28498	5.86679	5.77681	5.26424	5.32805	5.87492	4.86772	5.14791	6.03112	6.42535	5.67382
STAMBP	5.74805	6.93323	7.32647	6.86735	7.2112	7.11716	8.19323	7.40819	6.97599	7.53191	7.40994	7.03075	7.06035	7.3146	7.32487	7.16866

STAMBP	6.34706	6.67871	6.28827	6.70376	6.2802	6.17824	5.68746	6.96254	7.26761	5.20552	6.9595	6.19536	7.07521	6.12974	6.93394	6.90744
STAP1	5.57026	6.60124	6.6295	6.54472	6.43385	5.86472	2.91513	6.67871	5.12193	4.06288	4.89915	4.65169	3.899	3.25308	4.47486	3.74247
STAP2	8.73982	8.3822	7.2112	7.45494	9.85394	8.85137	9.60059	8.59509	8.7622	8.06728	7.64224	9.11675	9.24332	9.78359	8.90648	9.79051
STAR	2.00108	5.44903	5.36067	5.01314	7.93138	5.85906	9.07809	7.41725	4.64364	2.98998	3.86158	7.86445	7.48326	10.0051	7.06472	6.33253
STARD1(	6.83822	7.03131	4.53756	5.85064	6.52729	6.50178	5.28972	5.25494	6.12018	6.97815	5.88481	7.03614	6.53987	7.79105	6.16574	6.31624
STARD1:	5.64102	4.38674	4.58244	4.66687	4.85621	5.41144	5.80642	5.68639	3.60386	5.22275	5.93594	5.44871	5.44754	4.85269	5.87534	4.44723
STARD1:	4.92944	5.52307	4.48261	5.94198	4.96626	4.13961	4.04505	4.70335	5.34906	3.42914	4.96847	4.8246	5.45858	5.28328	4.60121	5.15242
STARD3	6.22183	6.37737	7.14735	4.9083	6.19154	7.08315	4.887	3.90071	6.41511	5.58409	6.46615	7.58738	4.52282	6.7294	5.90834	6.01819
STARD3I	9.52486	9.22973	9.41034	9.11385	9.86381	9.64364	9.29073	9.47025	9.47711	9.00167	10.5573	8.48593	9.93225	9.44929	9.29432	10.0868
STARD4	7.34167	6.88705	6.97236	7.19321	7.1641	6.97693	7.0888	8.01932	7.02408	6.96882	7.56995	7.35408	7.77186	7.13821	8.1411	7.37359
STARD5	3.59987	6.56965	5.57211	2.45536	5.96135	6.06644	4.06264	6.70784	6.38388	4.5797	6.4551	6.44381	8.0511	5.75672	6.46131	6.50501
STARD6	4.6618	5.65446	4.99255	3.27048	2.1445	4.90919	4.51685	5.38422	3.06765	4.36468	4.67727	3.7042	4.27078	5.00109	4.39203	5.42382
STARD7	10.9164	10.9636	10.7652	10.389	11.174	11.5923	11.0235	11.422	11.5923	10.7105	10.7548	11.0563	10.9849	10.7755	11.4424	10.9732
STARD7-	5.06786	5.33296	4.47125	5.23264	6.08539	4.38727	5.9041	6.15898	5.67968	5.59567	4.92331	5.339	4.44582	6.36312	6.41497	5.70264
STARD8	4.38384	4.41154	5.94464	5.0822	4.10606	5.51903	6.34043	5.63833	5.07244	5.6287	7.39425	6.16082	6.62279	5.23003	5.50818	5.6902
STARD9	7.34167	6.07188	6.33034	6.99403	6.2822	6.2132	6.63574	6.27958	7.06506	7.10172	6.33083	6.70005	6.69178	6.37067	6.11841	6.20158
STAT1	7.05101	7.23024	8.45387	6.90904	8.10118	7.37333	7.76523	8.53091	8.74609	6.53972	8.44366	7.94485	8.08028	7.61565	7.52542	7.85153
STAT2	6.02949	6.7287	5.88064	6.21741	5.992	6.98197	5.38359	6.22183	6.5885	6.28284	6.3105	6.05942	5.42436	5.3574	5.84429	5.43449
STAT3	6.23891	6.38241	6.27038	6.04829	7.4571	6.58025	5.93989	6.31399	7.62671	6.31343	6.92582	5.9262	5.85947	6.53163	6.42897	6.05388
STAT4	6.3489	7.51081	7.57258	7.86385	7.72199	7.64749	6.33327	8.10034	8.15443	6.43759	7.71725	7.083	6.86068	6.94101	7.7196	7.11663
STAT5A	9.0163	9.20378	9.35033	8.9537	8.72779	8.87865	8.37069	9.29696	9.04808	8.49463	9.31635	9.0751	8.47782	8.1398	9.15526	8.94345
STAT5B	6.31219	6.89231	6.61079	6.68609	6.90659	6.71555	6.30433	6.73608	6.86297	7.04312	6.98246	5.71395	6.26865	6.43019	6.61529	6.951
STAT6	7.04216	7.54351	6.83673	6.88287	7.08193	6.70755	7.28019	7.04923	6.99294	6.63345	7.72891	7.2924	6.52754	8.00027	7.11405	6.29418
STATH	9.40713	7.42056	9.54637	6.73498	5.99062	5.94701	5.8975	6.17633	6.25491	12.5511	5.61759	6.04558	6.2574	6.11232	5.81499	5.5809
STAU1	9.51582	9.13804	9.01248	8.85361	9.10446	9.02691	9.46237	9.43414	9.67089	9.52795	8.84184	8.43314	9.24484	9.17731	9.23192	8.96233
STAU2	6.65436	6.70802	6.57977	6.791	6.69536	6.85861	7.36602	6.7359	6.86669	6.6374	6.76847	6.37377	7.38166	6.95289	7.03639	6.68437
STAU2-A	6.09415	6.83389	6.36933	6.82775	5.92045	6.33758	6.8278	7.04836	5.63875	6.96952	6.61529	6.71614	6.10692	6.78926	6.36505	5.19927
STBD1	4.69843	5.26171	3.9258	4.03862	3.01001	4.53909	5.23329	3.08616	4.18653	3.70919	4.76672	3.4402	5.81769	3.64454	4.3828	3.91544
STC1	4.97569	5.1995	6.45781	5.89914	4.58384	5.42087	6.13014	6.3469	5.36786	6.26621	5.35991	4.93653	5.04584	4.9958	4.53287	4.30055
STC2	5.0963	5.48455	6.4564	6.00856	5.67434	6.0042	7.45812	7.11556	5.96127	4.82683	5.61701	6.20996	7.66374	7.36696	6.82513	5.26406
STEAP1	8.2633	8.01345	8.43072	8.10716	7.49816	8.17292	8.23656	7.80515	8.39318	7.48326	8.11037	8.29715	6.73147	8.24481	8.63198	8.41642
STEAP1E	5.94573	7.10605	6.3204	6.48043	7.2038	5.63647	5.69257	7.60287	6.53956	7.00339	7.08612	7.12935	7.22877	6.86516	6.97563	6.45446
STEAP2	8.21756	8.05282	8.2345	7.58738	7.10453	7.62309	8.42344	7.94225	8.25203	8.47529	8.10655	8.01856	7.45982	7.17859	8.58048	9.17582
STEAP3	6.81715	6.89505	6.27004	6.73883	7.23978	5.4188	7.39033	7.16569	6.44702	6.44327	6.41661	6.55896	6.83419	6.76714	6.90283	7.14383
STEAP4	7.15958	6.62824	6.49835	6.91871	5.77919	6.04935	5.57982	5.05088	5.85427	6.59123	7.44574	5.86603	4.7048	5.14845	5.31136	5.55803

STGC3	7.12147	6.82203	7.26232	6.6161	6.45389	7.20233	6.1475	6.62089	6.18897	6.69152	6.61879	5.76752	6.69926	6.83112	6.28422	6.39451
STH	5.62059	5.44563	4.82281	5.11258	4.47054	4.16542	4.88202	5.01734	4.92985	5.73855	6.16296	5.92734	6.10432	5.65251	4.2981	5.2021
STIL	7.74792	8.02454	7.32841	7.322	8.19619	7.67863	9.08426	8.34898	7.74284	7.10564	7.85064	8.12453	8.65638	7.71915	8.36194	8.75771
STIM1	5.77322	5.41054	5.28666	4.45842	4.7795	5.96858	4.96966	4.93366	5.87195	6.3979	4.95287	4.5743	4.98208	4.86826	4.51282	4.33745
STIM2	7.81112	7.10271	7.44838	7.11908	8.00842	7.47821	7.60851	6.76807	7.12084	7.34444	6.62601	7.02452	6.80249	7.14791	7.39781	7.20013
STIP1	6.59605	7.236	6.60847	7.12234	6.50576	7.12799	7.01061	6.26907	6.3353	6.92808	6.92033	6.80111	6.06726	7.31596	6.57951	7.17603
STK10	7.5305	7.88823	8.38085	8.21223	7.38264	7.66255	6.27377	6.00788	7.79666	6.38374	7.9141	8.31171	6.57174	6.44702	7.17635	6.72985
STK11	5.56599	5.6426	5.92139	5.20976	5.05998	6.57067	5.53215	5.52467	5.19085	6.55858	5.59734	5.36879	5.79697	6.37201	4.89016	5.42842
STK11IP	7.0854	5.493	4.75104	4.65451	6.42714	4.91415	4.6631	3.06557	4.92312	3.74711	6.59193	6.79746	4.19674	5.31211	5.63274	4.9541
STK16	5.92197	6.417	5.60533	6.40819	6.39914	6.16574	5.75101	5.67467	5.73993	5.81987	6.55426	6.38394	6.09755	6.40308	6.12342	6.36411
STK17A	6.2458	7.01929	6.89454	7.23443	7.59211	6.56214	6.67459	7.59042	7.20528	5.89886	7.33702	5.81801	6.38755	6.77226	7.05471	7.54722
STK17B	6.0929	7.19188	6.75235	6.59764	7.21344	6.16792	5.01642	7.18574	6.86056	6.26194	7.20076	6.48214	6.23007	6.42388	6.53843	5.94974
STK19	6.43229	6.36903	6.78541	6.19736	6.29785	6.16713	5.42657	6.35351	6.07029	7.11246	7.26586	7.37813	5.22148	6.38596	6.40266	6.05489
STK24	6.26423	6.27927	5.79966	6.26067	5.83707	6.09252	6.21022	6.71442	6.6594	6.33379	6.50576	6.06824	6.12863	6.33042	6.11204	5.99223
STK24-A	5.63462	5.36162	5.1165	5.29627	5.38252	4.97295	6.15474	6.25369	5.99187	5.00061	5.0929	4.96683	4.64622	5.42385	5.4513	5.13421
STK25	7.1859	7.05094	7.38042	7.01407	7.34967	7.17993	6.92161	6.81098	7.23199	7.37319	7.37222	7.62309	6.90904	7.13071	6.9803	7.41351
STK3	5.52262	4.73045	4.55918	5.53879	5.80427	5.49443	5.59779	4.83281	5.84738	5.83063	6.1966	4.85535	4.72757	3.87338	4.55848	5.97338
STK31	2.13523	3.94952	2.70549	4.89975	4.31963	4.63077	4.46025	2.40011	1.98342	2.83032	2.83774	4.39854	3.99596	3.55944	4.19275	5.70264
STK32A	5.29702	5.41041	5.0464	4.50994	4.40345	5.23607	4.48422	5.29668	5.38078	4.16438	5.1713	5.09969	5.5837	4.3919	4.69793	4.80597
STK32B	4.16955	2.86158	5.63658	2.92162	3.52527	3.54848	3.00912	4.88503	3.71298	2.38782	5.47955	3.12959	2.79294	3.24563	3.16274	3.65514
STK32C	6.29126	6.54082	6.5982	6.32107	6.14532	6.06644	4.29522	5.80143	6.34538	5.50605	6.00788	6.69607	6.6127	6.36312	6.23891	6.48123
STK33	6.93418	5.61052	4.41154	5.7079	4.80583	4.35216	5.81369	2.41413	3.36189	2.22193	4.00676	4.33825	3.93299	5.41177	3.64053	3.40444
STK35	6.75273	6.24627	7.01539	6.22849	6.81668	6.6267	6.62549	6.64239	6.79861	6.72429	6.10669	6.85738	7.06274	6.75319	6.45844	6.71502
STK36	7.06124	6.62723	6.25405	6.39736	7.43769	6.61966	5.99921	6.82553	6.29133	6.14906	5.85911	6.19796	6.40159	7.06583	6.68135	5.69663
STK38	5.95954	5.93748	5.41662	5.00457	4.99435	5.11171	4.96737	5.11108	5.76654	5.37759	5.68541	5.57898	4.7593	5.09612	5.14689	4.92249
STK38L	7.68418	8.19193	7.83976	7.65647	9.60191	8.7622	8.24601	7.6187	7.70836	7.86066	7.78404	7.61008	7.86345	8.96148	9.30365	8.69038
STK39	9.71962	9.68239	9.05769	8.87832	9.65609	7.88362	8.77753	8.65312	9.7059	10.942	9.30916	8.52211	8.37199	8.65431	10.4028	9.70306
STK4	5.8995	5.57494	6.78753	6.10048	5.14209	6.12881	5.62065	5.98394	6.19774	5.4513	5.68843	6.05165	5.43864	5.07278	5.72995	5.33889
STK4-AS	5.64699	5.59022	5.70234	5.91346	4.42618	5.80329	5.88216	5.45844	5.77903	5.57193	6.42465	6.45737	6.47973	5.64126	5.0902	5.6564
STK40	6.9667	6.70274	5.31895	6.92124	6.20812	5.41468	5.78886	5.47087	5.76	5.77111	6.73498	6.83474	5.47192	5.57898	6.03089	6.08337
STKLD1	3.55491	3.79195	3.36807	4.0831	3.57385	3.504	3.7913	4.51707	3.43558	4.06136	3.52587	3.63765	3.8877	3.91753	4.30115	4.53425
STL	4.20074	2.89801	3.0591	3.02476	2.53024	4.87162	4.52231	4.24814	5.27471	4.75195	4.08852	5.40857	3.46411	2.16332	5.40572	4.18842
STMN1	5.59274	5.74994	5.32709	5.74805	6.04492	6.07045	5.59813	5.32145	5.32899	5.7411	6.13317	5.26698	6.93418	5.92381	5.97268	6.93789
STMN2	5.73322	6.14938	6.83449	6.06936	5.86766	6.06561	5.16123	4.86845	6.81451	6.68807	6.0042	5.94445	4.81876	4.3131	4.41044	4.95126
STMN3	6.6596	5.81304	5.93531	6.02244	6.00325	6.89412	6.49916	6.545	5.27276	6.1846	5.44364	5.9554	6.82125	6.25282	5.796	6.0966

STMN4	4.28253	2.69925	2.78886	3.01059	2.7549	3.29508	3.61284	2.91928	3.24321	2.45816	3.6149	2.99709	3.26844	3.76722	4.03565	3.09927
STOM	7.82261	6.85663	6.57373	6.2907	6.31343	6.42177	6.44056	6.50329	7.01235	7.66179	7.66756	6.26231	6.84518	5.53386	7.02326	6.20554
STOML1	7.03653	6.23325	6.26423	6.2284	5.93911	6.28	6.73634	6.30958	6.64176	6.39896	6.64925	6.50219	6.87829	6.08299	6.15519	6.70168
STOML2	7.48544	7.4801	6.4651	7.5034	7.88522	6.49484	6.63735	6.89843	5.93008	7.24555	8.03741	7.6245	7.54516	7.5985	6.59632	8.35355
STOML3	9.89582	7.18456	4.79814	8.35122	5.52099	4.95972	4.71726	4.78725	6.35794	4.46314	4.97729	5.14665	5.33097	5.46025	5.23355	5.84362
STON1	4.86274	6.20321	6.25598	6.10612	6.52323	5.76704	6.23514	5.15429	6.24052	4.99121	5.92461	6.50885	5.96484	5.8509	5.57982	6.04791
STON2	4.76854	5.3608	4.72596	4.83168	4.84205	4.8246	5.52908	5.15041	4.98271	5.10708	5.15041	5.39736	5.70734	5.01102	5.21864	5.01314
STOX1	7.4092	4.84458	3.51391	5.55338	5.98617	5.46878	4.5359	3.02067	3.95084	4.47148	3.52708	5.43626	4.39858	5.05068	6.09492	4.75966
STOX2	6.24136	5.97543	6.06026	5.91431	6.42803	6.63824	6.60987	5.80945	6.12342	6.62448	5.19867	6.10048	5.64784	7.00009	6.85063	5.54898
STPG1	3.7924	3.77425	2.51159	2.78886	2.49138	2.98013	2.52205	2.33043	3.2065	2.21456	2.53476	2.6562	2.70506	3.06895	3.25291	2.40128
STPG2	5.48692	4.81438	6.05051	5.14982	5.64209	5.65893	6.24397	5.71747	4.86753	5.44823	6.21237	5.64291	4.94479	5.93176	5.65359	6.0554
STRA13	8.72726	8.96961	7.76334	7.97169	7.39599	8.35056	8.25283	6.00675	7.419	8.80295	9.00592	9.84358	9.06394	8.5744	6.64896	8.76514
STRA6	5.51033	5.26984	5.20903	4.8882	5.59831	5.79014	5.14549	5.38724	6.22269	4.8731	5.86526	6.80181	6.18525	6.16667	5.25872	5.78705
STRADA	7.2117	6.8906	7.02487	6.76142	6.9017	6.84027	6.97291	7.04973	7.12799	7.00403	7.17539	6.91379	6.68886	7.10353	7.81725	6.85861
STRADB	7.33098	7.66502	6.40779	7.36211	7.53953	7.72267	6.6449	7.33998	7.28492	7.08952	7.51214	6.92086	8.23177	7.49699	8.154	8.90205
STRAP	7.96005	7.23063	7.97022	8.03457	7.13865	7.90962	8.51199	7.65946	8.59782	7.74091	7.52098	8.15161	7.56947	7.62466	8.32702	7.6443
STRBP	7.01865	6.63146	6.2985	6.65074	6.35062	6.17219	6.2531	5.84505	6.37737	6.10444	5.93156	5.85848	5.84601	6.17623	6.13518	6.32349
STRIP1	8.55452	8.33334	8.88342	8.55121	8.21836	8.72446	8.37347	8.95954	8.46227	8.63992	8.29749	9.20565	8.24601	8.31119	8.60862	8.25993
STRIP2	2.45719	2.12466	3.47243	3.92436	4.29473	3.88198	4.22052	3.35252	3.54991	3.64338	4.95701	4.42547	4.62298	3.74839	4.7492	4.50143
STRN	6.03446	5.57898	6.16396	6.18222	5.89295	5.76633	7.21764	6.07655	6.14424	6.3379	5.95721	5.90037	6.06651	6.02361	6.28592	6.51344
STRN3	7.38087	7.48683	7.40457	6.78398	7.48908	6.76563	6.9363	6.3829	6.40514	7.17129	7.56562	6.65253	7.0755	6.35819	6.35004	7.5397
STRN4	5.92064	6.48103	6.07272	6.55254	6.86138	6.88035	6.87425	6.68799	6.73228	6.6651	6.67015	6.23084	6.94742	6.86345	6.60189	7.16136
STS	5.60047	5.77556	5.83837	5.5306	5.78642	5.74275	5.02351	5.483	5.70234	5.84468	5.56719	5.40039	5.18926	5.36001	5.31338	5.20401
STT3A	6.38016	4.45523	6.80418	6.48555	7.49571	6.38419	5.44563	6.15282	6.65043	5.96774	7.25599	5.7995	6.36517	6.14193	7.36287	7.05116
STT3B	9.27986	9.14549	9.94776	9.38269	8.37199	8.86796	7.77224	8.26406	8.84803	9.29432	8.73519	7.64096	8.67085	8.14651	8.95773	9.18052
STUB1	9.54001	9.37224	8.64857	9.18052	8.6349	9.02566	7.55559	8.51686	9.2111	9.46771	9.00702	10.0444	9.33414	9.88728	9.09062	9.15028
STX10	7.98209	8.38746	7.59417	7.86786	7.44019	7.71037	7.74644	6.84248	7.68518	7.80492	7.91731	7.92262	7.98209	7.87346	7.45122	8.14451
STX11	4.39393	4.2727	4.19358	4.7519	4.89312	4.80389	5.07913	4.89915	5.14641	4.06184	6.27019	5.28554	4.81648	4.34259	4.92903	4.29087
STX12	8.78035	8.8213	8.69038	8.47465	8.8088	8.71707	9.08007	9.26363	8.51084	9.14361	9.03229	7.9141	8.96044	8.78234	8.89896	8.72673
STX16	6.84248	7.05787	7.48951	6.31242	7.06607	7.20098	7.13403	6.2245	6.91486	7.30666	6.8284	6.65179	7.17234	7.62329	6.96272	6.53371
STX17	6.68077	6.50664	6.76368	6.40041	6.8537	6.80475	6.42667	6.60847	6.57488	6.98107	6.27307	6.32017	7.12545	6.8205	6.74779	6.64741
STX18	9.49577	9.22173	8.56923	8.97315	8.95283	7.80322	8.40722	8.61369	8.86712	8.57558	8.65974	8.95215	8.75206	8.76627	8.63124	8.97278
STX18-A	5.10752	5.17869	5.09112	4.93594	4.35974	3.57327	5.55137	5.27102	4.09292	4.90621	5.36141	5.6566	3.75766	5.39029	4.68519	5.8566
STX19	6.98662	5.23593	5.71276	4.63885	5.60018	5.91451	6.53759	5.60903	6.96626	5.55308	5.88871	5.29032	4.10293	5.97064	6.75745	5.88899
STX1A	3.69182	3.93361	4.32665	3.50564	4.58067	4.23809	5.50534	4.19473	5.48754	3.74711	3.7868	3.99715	4.46842	5.5861	4.04773	4.21547

STX1B	1.87757	2.81246	2.72411	3.04143	2.87786	2.18538	2.67152	3.23218	2.13825	3.00855	3.65785	2.59016	2.88174	2.74868	2.84494	3.13394
STX2	6.41307	5.74926	5.88851	7.12429	6.33379	6.36004	6.17202	6.73406	6.10768	6.19907	5.96227	5.69946	6.25329	5.77944	6.16438	5.67908
STX3	5.57398	5.77587	4.99162	4.68029	5.32521	5.62008	5.30533	4.81708	4.72387	5.05302	5.37568	5.69337	4.99189	4.96847	6.19774	5.34654
STX4	7.66417	8.03012	8.07018	7.63362	7.32679	7.91731	7.62252	7.97768	8.29543	7.72159	7.80696	8.08303	7.39338	7.87079	7.39935	7.5749
STX5	5.63462	4.11531	2.85145	4.09184	5.89886	4.22923	5.27116	4.04879	5.38622	6.02598	5.67523	4.90119	5.69754	4.50167	3.21508	4.07003
STX6	5.72249	5.99319	5.932	5.76889	7.16126	6.34327	6.99895	6.6689	6.51846	5.41934	7.01379	6.94672	7.02866	6.88076	6.68022	6.86297
STX7	7.58461	8.24601	8.09264	8.00205	7.88984	7.5475	6.90081	7.83726	7.75627	7.21296	7.77998	7.30479	6.81351	7.07329	7.2954	7.46892
STX8	6.71808	6.87765	6.3185	6.58169	5.88036	7.20076	7.16051	7.23443	6.36788	6.20708	7.00766	6.58025	7.34076	6.65808	6.76788	7.27934
STXBP1	8.04178	7.47068	8.22559	8.37315	8.82316	7.47244	8.46549	7.2551	7.66502	8.71651	8.02161	8.16504	7.6971	9.10446	8.8262	6.99169
STXBP2	6.76829	6.74735	6.9925	6.70543	6.62636	7.06652	6.32223	7.38369	6.74124	7.00057	6.73182	6.71288	6.47613	6.52948	6.64834	6.4034
STXBP3	7.96074	7.70144	8.54009	8.17146	7.62696	7.70673	8.26535	7.18675	7.6481	7.82536	7.89413	7.72407	7.45459	7.68546	7.8419	8.12509
STXBP4	5.54936	4.98767	4.94318	5.45357	5.65292	4.73108	5.32692	5.14382	5.06381	5.46462	5.50973	4.85406	5.42824	4.9024	5.52006	4.89423
STXBP5	6.64708	5.9813	6.67459	6.37709	5.94594	6.29133	5.99457	5.87508	6.09815	6.51834	6.16037	6.04977	4.76471	4.63097	5.94931	8.34233
STXBP5-	3.43791	4.03827	4.62974	3.47669	4.08122	3.61186	3.62864	4.38559	3.77267	3.95124	4.05249	4.02162	4.56594	3.69327	3.5479	4.24541
STXBP5I	3.82451	4.87584	4.65582	4.29638	3.59882	4.32957	3.86418	4.97312	4.20465	4.35897	4.90369	4.3863	4.64244	3.11977	4.43542	4.40518
STXBP6	6.19045	4.5681	4.09514	6.31261	6.75167	5.40569	5.05327	4.64112	5.20466	5.10043	3.60323	5.27193	3.35252	4.93183	5.26563	5.11194
STYK1	8.45462	7.78878	7.48739	7.66602	7.89362	6.17652	8.04178	8.15305	7.6948	7.86813	8.00126	6.9154	7.0472	5.68623	6.70089	8.55331
STYX	4.29709	4.38357	3.33875	3.41843	4.87251	4.05776	4.62974	3.42226	3.89582	3.83749	5.37901	3.37673	4.6561	3.59527	4.58428	4.70968
STYXL1	7.47174	7.3728	6.3762	7.40525	6.96182	6.93864	7.03897	6.86793	7.1525	6.81587	6.92291	7.14809	6.98769	7.39005	7.31561	7.32333
SUB1	8.23349	8.87358	9.26078	8.81561	8.54112	8.9171	9.08751	9.28935	8.82977	7.94881	8.48009	8.22559	8.99071	8.35203	9.03052	8.82067
SUCLA2	8.4259	8.60157	8.87234	9.16254	8.99071	8.86712	8.84687	8.90453	8.67002	9.08188	9.47897	7.72919	8.23524	8.27954	9.1073	8.97416
SUCLG1	7.56421	7.62995	7.48299	7.90795	7.10605	7.75388	7.99888	6.32694	6.66328	7.92217	7.56307	6.28525	7.19145	7.96289	8.08406	7.91964
SUCLG2	8.83036	8.78405	9.04992	8.94549	8.47614	7.66223	6.94762	8.16578	7.95203	8.71927	8.98463	8.2853	8.15536	7.83154	8.74609	8.84269
SUCLG2-	3.83893	3.84704	4.55883	3.72386	3.54495	3.74113	3.68155	4.24394	4.00917	4.03747	3.9365	3.52398	3.88835	4.30301	3.50641	3.15493
SUCNR1	4.67215	5.62589	6.21634	5.65354	5.82427	5.56637	4.58061	4.26669	5.83794	5.85135	6.37283	5.71324	6.19415	5.82241	5.7425	5.72689
SUCO	8.01606	7.74198	8.7789	8.21644	9.22173	7.74396	8.33093	8.06218	8.33155	9.23091	8.36759	7.81334	8.43956	7.90074	9.31511	8.48257
SUDS3	8.12977	7.59643	7.34672	7.01444	8.02477	6.76123	7.68546	7.00902	7.5148	7.07869	7.20013	6.56925	6.56131	7.32487	7.67681	7.45647
SUFU	4.02325	4.52451	4.57076	4.52282	4.53653	4.3131	4.86237	4.79693	4.51099	4.15938	4.58951	4.4524	4.40775	4.58614	4.5743	4.13874
SUGCT	5.68319	6.11134	6.60593	6.12383	6.64757	6.56664	7.45982	5.8463	5.28311	6.50329	6.21688	6.09694	6.94742	8.02694	6.79723	6.32848
SUGP1	6.86277	7.268	6.70889	6.67057	6.50219	6.92873	7.58344	6.10097	6.69674	6.0589	6.30273	6.97291	5.83	6.24479	6.71524	5.83723
SUGP2	7.25205	7.38166	7.49429	7.32741	7.01098	7.69422	7.28855	7.15566	6.84907	7.13904	6.62425	7.66647	6.75475	7.16305	7.21144	7.47951
SUGT1	7.81498	7.54087	8.20866	8.16792	7.97768	8.29662	9.30916	8.44501	7.68698	7.30859	8.17086	7.20429	7.23443	8.40382	8.32521	8.40648
SUGT1P1	4.51847	4.86214	3.00416	5.27137	5.26966	4.29444	4.52512	4.97356	4.44294	3.83593	4.32214	4.72939	4.70639	5.49998	3.97783	3.29115
SUGT1P3	4.06587	5.13399	3.42813	3.8342	3.37486	4.13063	4.59029	4.06587	3.26474	3.77609	4.77206	2.79701	4.06555	3.3733	3.10219	3.54143
SULF1	6.93183	6.7248	8.76808	6.91333	8.44501	7.25418	7.22985	8.46622	6.88484	7.36235	9.04465	7.06488	7.60929	7.79766	8.76316	8.10408

SULF2	6.15721	5.81272	6.6164	6.5886	7.00204	7.85515	6.58362	6.99855	5.83219	6.25751	5.50719	6.91907	6.01722	5.70543	5.47271	5.52519
SULT1A1	7.75423	7.51144	7.51396	7.73373	7.43254	7.44793	6.38394	7.18732	7.18981	7.55589	7.04441	7.65208	7.84645	7.20295	7.34377	6.88505
SULT1A2	7.47555	6.9368	6.93931	7.01358	7.16167	6.67121	5.96635	6.79359	6.77476	6.80289	6.70457	7.33414	7.05573	5.64319	6.93537	6.26114
SULT1B1	5.74926	6.02858	6.01115	6.72378	7.33768	6.5805	6.39556	6.84849	6.82452	5.81741	6.76332	6.92808	6.98534	6.77183	7.28998	6.62549
SULT1C2	3.94518	4.2857	4.64707	4.14617	5.42221	4.77053	5.13985	6.06352	6.27692	4.45424	4.89932	4.73716	5.86603	5.68863	5.73966	4.91361
SULT1C4	2.47437	3.94506	4.04694	2.28551	2.21727	2.60961	1.18021	2.43067	2.88086	3.00855	2.72092	2.55562	3.8683	1.92414	4.48521	3.24808
SULT1E1	7.45459	6.49184	4.63727	6.33239	7.19222	7.36428	6.24025	4.49454	5.74943	4.98443	5.77035	6.93431	5.12521	6.31219	6.0554	3.58197
SULT2A1	2.70769	2.93483	2.92837	2.1636	4.19396	2.20259	1.46034	2.85264	1.21564	2.89937	2.42653	2.14429	2.55599	2.39502	1.98229	1.01683
SULT2B1	6.83608	5.60583	5.98061	3.91668	4.40686	3.6144	6.1336	4.1207	5.54116	4.06894	6.78161	5.75568	3.84364	4.54858	4.95023	5.62406
SULT4A1	3.5501	2.46272	4.01912	3.25646	2.42207	2.51251	7.13821	2.75656	2.83517	3.44491	3.93813	3.64264	3.73495	4.15245	2.84494	4.33222
SUMF1	9.00855	8.52934	8.43478	8.51278	9.05769	8.98753	7.88907	9.30484	9.66911	9.95652	8.42133	8.22366	8.22019	7.87143	7.62654	8.67666
SUMF2	7.58901	7.35432	6.89041	7.40248	7.5753	7.2497	7.61746	7.67128	7.90469	7.59864	6.80638	7.67312	7.76031	7.10326	7.42526	7.90683
SUMO1	8.35397	8.59531	8.74983	8.46622	9.36239	8.20911	8.50585	8.54257	8.69522	8.44675	8.74983	7.94249	9.23884	8.53855	9.65062	9.53098
SUMO3	9.46371	10.1739	9.81607	9.67664	9.54936	10.0103	10.2113	10.3013	9.88284	9.70802	9.65997	9.48779	9.96379	9.63071	10.0472	9.82232
SUMO4	8.05395	8.63717	8.49885	8.49271	8.8893	8.45576	8.92473	8.58123	8.96842	7.8236	9.08751	8.52134	9.57819	8.44151	9.32763	8.89983
SUN1	7.14295	7.09572	6.04916	6.02407	5.52025	5.84791	6.27174	5.34643	5.03176	5.55652	5.35382	5.0289	5.70107	5.66331	5.44685	6.16738
SUN2	8.93046	9.03052	9.2593	9.50261	8.19393	9.60059	8.21397	7.53673	7.96489	9.39808	8.94789	10.3074	7.56421	8.26381	8.41793	7.6702
SUN3	2.00108	2.1636	1.79898	1.444	3.46884	1.85868	1.54854	1.54991	1.59296	2.31329	1.98377	0.96901	2.00801	1.78331	2.07498	2.4155
SUN5	3.43881	3.3065	3.59361	3.70654	3.172	3.871	3.79556	3.87968	3.9523	3.95471	3.48813	3.73244	3.42681	4.10475	4.23009	3.45942
SUOX	6.8763	7.0461	6.19092	5.63087	6.43077	6.61395	5.58603	6.37229	7.29703	6.49724	5.51406	6.438	5.85187	6.58169	4.98138	5.99151
SUPT16H	5.00061	4.66845	4.39454	4.3961	5.27002	4.88909	4.5554	4.63367	5.44274	4.22534	5.16078	5.18903	4.92195	4.92858	4.83015	5.09122
SUPT20H	6.69674	6.40021	6.80649	6.01152	6.53093	6.57151	5.63045	6.1613	6.30808	6.39845	5.99062	6.1024	5.89565	6.64794	6.28872	6.16895
SUPT3H	6.23594	6.08881	5.64638	5.67544	6.14001	5.69472	6.72599	6.92317	6.33134	5.64395	6.01381	6.60124	6.42388	6.08881	6.40325	5.95874
SUPT4H1	7.52561	8.17086	7.98479	8.2633	7.90137	8.0157	7.09987	7.29311	7.78199	6.49328	8.19323	7.96917	8.54398	8.33525	8.19842	7.89062
SUPT5H	8.16348	8.41962	8.4172	7.94631	8.00348	8.51568	8.65818	8.68017	8.70805	8.81533	8.71838	8.8123	7.81197	8.0064	8.34481	8.19842
SUPT6H	4.82835	5.0244	4.45472	5.6902	5.06859	5.79922	6.2802	5.18703	6.21158	5.16906	6.17008	6.18015	4.95161	5.30537	5.36506	4.03714
SUPT7L	6.74298	6.64108	6.96768	6.77653	7.00465	6.94115	6.63235	7.11889	7.19145	6.9634	7.10208	6.52676	6.87053	6.7905	6.90303	6.98711
SUPV3L1	7.2774	6.99729	7.20323	6.62819	7.26423	6.34101	6.98197	6.68032	6.93096	6.62647	6.74735	6.8537	7.17635	7.4267	7.29882	6.70583
SURF1	6.85382	7.12714	6.6892	5.86541	5.34415	7.48493	5.57874	5.68623	7.34486	6.46753	6.81012	6.87912	6.41224	6.86455	5.56314	6.92148
SURF2	6.56058	6.83546	4.37989	3.08274	6.17554	6.59384	2.88209	7.00137	6.48855	3.62321	6.70223	6.80229	6.97927	6.35887	6.18661	6.75072
SURF4	8.72582	9.04668	9.2048	8.58514	9.18052	8.93712	8.75124	9.23884	8.97278	9.62422	9.81254	9.4206	8.65357	9.09179	9.20282	9.04808
SURF6	8.07186	8.04212	7.74792	7.75674	7.75453	8.13446	7.86813	7.99167	8.01856	7.69546	7.58161	8.11962	7.31898	8.5825	7.65029	8.15253
SUSD1	5.63997	6.31186	4.00732	6.63879	6.37844	4.0873	4.32228	7.69174	6.33203	6.78913	5.85869	6.92185	4.64622	4.48643	6.67644	5.18553
SUSD2	5.01217	4.61765	6.84758	5.19838	4.17704	5.17686	5.32026	5.82721	4.85833	5.82793	6.55768	4.91905	5.3128	5.35947	4.92803	5.50982
SUSD3	2.93922	4.85808	4.55074	5.10572	4.31071	4.90058	3.1532	4.10524	4.51377	3.66246	3.05931	5.02776	4.16718	4.10354	3.68057	3.71194

SUSD4	7.24674	7.73538	4.3157	7.02233	8.24481	8.51258	7.90044	7.1777	8.87234	7.51436	6.08615	7.76388	8.49182	7.79351	8.08201	8.74665
SUSD5	6.32655	6.09675	7.06749	6.63879	5.88955	7.28761	5.1554	7.19055	6.84198	6.59193	5.81954	7.19055	4.55026	5.95819	5.6397	6.66994
SUV39H1	6.86908	6.57598	6.5209	6.71359	6.73759	6.79347	7.42208	7.89522	7.96362	7.35723	7.76969	7.17317	7.10208	6.845	6.40392	6.74418
SUV39H2	3.91052	3.10545	5.23146	5.79645	3.70847	4.92903	4.06894	5.57001	4.08712	5.18445	5.98083	3.9152	5.48621	5.42632	4.81378	4.16313
SUV420H	7.89638	7.14485	7.72117	7.12292	7.38556	7.78837	7.06965	6.82339	7.52542	8.11688	6.92547	6.63846	6.84293	7.56562	8.11278	7.10697
SUV420H	6.02339	5.74152	5.30158	5.64846	5.24859	5.47986	5.32654	6.0218	5.13261	5.42382	5.18567	6.79512	6.71717	5.84166	5.18671	5.61731
SUZ12	4.9748	5.85412	6.31343	6.0044	5.85125	7.02233	6.9108	5.98416	5.62395	4.89742	6.15255	5.38078	5.75236	6.18406	5.75961	6.07116
SV2A	5.55384	4.67009	5.4541	4.45523	4.54756	6.4042	4.6921	5.79356	6.19456	6.32107	4.69149	6.41319	4.69241	4.42968	5.26934	4.11853
SV2B	4.67029	5.29857	4.98681	4.98618	6.27603	5.78811	5.12101	5.20282	4.23539	5.74852	5.13901	5.56581	4.91702	5.52089	5.37997	4.70927
SV2C	5.2818	5.50806	4.71298	5.27941	4.9654	5.07734	5.37522	4.73386	5.12503	5.35506	4.81824	5.34019	5.19674	5.67573	5.08786	5.95435
SVEP1	3.61598	4.26501	4.35735	4.15034	4.32291	4.56413	4.06977	4.73108	3.97783	4.6981	4.44608	4.04879	4.34913	4.83434	4.49604	3.93836
SVIL	5.59515	4.90758	6.13381	4.90215	5.19731	5.63228	6.06094	5.41283	5.66305	6.43147	5.67141	5.30178	6.30551	5.33633	5.53829	4.54726
SVIP	6.90514	7.00009	7.2916	7.39608	7.30374	6.40133	7.66014	6.93789	7.04028	7.99096	6.47005	6.93763	6.34052	6.76807	7.40032	7.51396
SVOP	4.27232	4.02891	4.90838	5.03438	4.98927	5.21372	4.59728	5.74197	5.95982	5.59319	4.82391	4.69252	5.38915	5.61448	5.3451	3.97756
SVOPL	6.35762	2.18884	4.10455	6.60342	2.97095	2.69944	3.77935	3.23218	4.65199	6.02979	3.55809	3.69374	4.04818	4.10225	3.78253	3.62113
SWAP70	6.79415	7.23328	7.04642	7.44207	7.52611	6.99419	6.42156	7.03353	7.13187	7.44743	6.81873	7.1078	6.7602	6.65907	7.0023	7.41771
SWI5	7.72752	7.18732	6.27962	6.94842	7.30095	6.83848	6.57265	6.88386	6.98832	7.07467	7.06663	6.9788	7.57115	7.0306	7.51623	7.17667
SWSAP1	6.64277	6.6798	5.62378	6.79281	5.88734	6.43048	6.59019	5.09372	6.27451	5.79464	6.29956	7.28271	5.99786	5.20089	6.0246	6.4154
SWT1	7.87767	7.34597	7.80696	7.8143	7.17217	7.52098	7.05247	7.89777	7.71299	7.64471	7.43404	7.88283	7.71385	7.61999	7.69258	7.25163
SYAP1	7.96128	8.42826	8.17338	8.41069	7.77111	7.8738	7.91437	8.71044	8.16838	8.25881	8.11184	8.46358	7.98479	8.2823	8.33456	7.57115
SYBU	10.0844	9.18711	8.3215	8.89556	6.44381	6.75482	7.88419	6.15282	8.12782	9.57587	6.35125	7.57624	6.19705	6.56799	6.26213	7.10094
SYCE1	5.62236	4.38261	4.2436	4.04204	4.90526	4.22487	3.63842	3.75809	4.08929	4.11551	5.10138	2.80388	5.62901	3.7517	5.07767	5.2071
SYCE1L	5.52467	5.40673	6.23376	6.45781	4.92582	6.11841	7.05317	6.04185	5.54517	5.31111	4.8246	6.15413	5.94158	6.54142	4.49501	6.29537
SYCE2	3.84315	3.41586	6.09771	5.36331	4.36498	3.32048	5.49899	3.61778	3.5256	4.39244	3.54938	3.62346	3.60262	4.48643	4.49023	2.34348
SYCE3	6.12164	4.8846	5.53096	5.83848	6.25369	5.96359	7.46824	6.82416	4.69241	5.20755	5.95773	5.82484	7.34801	7.14402	6.09264	6.60736
SYCN	4.48312	5.60909	5.23257	5.37588	5.40872	5.10495	3.58877	6.26758	5.30913	5.13703	6.14565	5.82023	5.53039	5.47686	4.41729	6.48263
SYCP1	3.25734	4.19082	4.35606	4.26756	3.09945	3.23455	4.08875	5.73754	2.69851	4.69482	4.58244	4.0197	4.03869	4.12453	3.96826	3.86658
SYCP2	2.99709	1.42806	3.1732	1.31033	0.96595	0.46592	2.07858	0.76448	2.15913	1.77016	1.52785	0.5704	2.36099	2.66641	0.84574	0.9589
SYCP2L	1.11909	0.79	1.92303	1.3754	1.69898	2.53476	2.45415	3.37974	1.32709	1.35594	1.98377	2.2743	2.94778	2.51368	3.21508	1.54854
SYCP3	5.47477	4.67307	3.15956	4.28869	5.16681	4.09091	3.22942	5.43842	5.36656	5.10864	4.38038	2.92084	5.73685	3.15725	4.7744	4.74224
SYDE1	4.68824	4.84501	4.80703	4.77676	4.89253	4.84558	4.94892	5.14196	4.9244	5.00549	4.38261	5.05799	5.01176	4.81317	5.23893	4.84961
SYDE2	2.85784	1.54402	0.89696	2.31308	4.65407	5.02813	2.98815	3.02948	5.37062	2.38782	4.91999	1.87757	4.05757	1.88842	4.61514	3.34078
SYF2	7.63653	6.53336	7.53607	7.63463	6.13152	7.31648	7.60613	6.82876	7.16167	7.34643	7.27645	6.62173	6.02379	7.0773	6.37023	6.49265
SYK	7.40722	8.21397	7.72821	7.65533	7.27109	7.46174	6.91121	8.04247	7.88823	6.45489	7.04132	7.34135	7.23024	7.29816	7.72648	8.2869
SYMPK	5.72735	4.76666	5.2229	4.37463	4.82616	4.45019	5.09234	4.75238	5.19773	4.83452	4.86513	5.97222	5.08426	5.51406	4.92092	5.10776

SYN1	4.89326	4.99704	5.11089	4.81469	4.09143	4.25882	4.95325	4.62754	4.79101	4.5001	4.94929	4.15582	3.59587	4.03261	4.84817	4.65418
SYN2	6.14076	5.66548	5.29032	5.52799	5.1957	5.04544	5.83395	5.55308	5.28039	5.68092	5.13694	4.89454	5.65267	5.36312	5.52175	5.59813
SYN3	4.82631	6.65833	6.49318	5.88893	4.97974	6.19367	5.94351	6.0966	5.63045	5.8969	5.79032	5.67321	6.32595	4.91553	5.40572	6.68208
SYNC	5.96035	5.56364	6.10632	5.49937	6.23107	5.07913	3.85658	5.36018	4.57635	6.81873	6.08743	4.94408	5.70777	4.7453	5.72807	5.33214
SYNCRII	7.60892	8.11962	8.13058	8.08867	8.43956	8.08932	8.29715	7.90707	8.17734	8.0146	8.54398	7.96289	8.23922	8.38415	8.24826	8.24077
SYNDIG	6.72801	7.18732	7.1008	7.19145	7.90044	7.49265	6.49304	6.78362	6.91554	5.42929	5.63879	8.09908	6.37512	6.79149	7.32518	6.80461
SYNDIG	4.35866	5.25716	3.38079	5.19529	5.35492	2.18538	3.50564	5.77151	3.74437	4.53581	5.64281	4.49442	4.51181	4.2645	2.1886	3.42878
SYNE1	4.4442	3.35919	3.61563	3.56191	4.06234	2.64083	2.84996	2.59761	3.34536	3.27882	3.35412	2.96872	2.67942	2.80925	3.44995	2.50621
SYNE2	5.01527	5.1487	5.47271	5.01713	5.19701	5.27116	5.14895	4.97018	5.64462	4.99704	4.21435	5.0413	5.59651	5.00506	4.68296	5.33126
SYNE3	6.20943	6.32268	6.60593	6.71359	6.37502	6.2132	6.68175	6.58532	6.63311	6.62386	4.76672	5.71623	6.80069	6.64264	6.69021	6.27334
SYNE4	6.75866	5.11956	3.69741	3.45327	2.85371	3.73699	3.08298	3.45352	2.53538	7.15366	3.24563	4.35575	3.85528	3.21424	3.27847	3.35278
SYNGAP	3.09072	3.23532	3.62944	3.75544	3.43133	3.71713	3.15604	3.9523	3.12572	3.49996	3.7517	3.30838	2.69877	4.25735	3.19822	3.11326
SYNGR1	6.94374	7.42808	6.66367	6.9415	6.25222	6.73228	7.34377	6.71047	6.55469	6.97684	5.88618	6.86122	6.47102	5.62901	6.12115	5.60298
SYNGR2	6.85206	6.62027	6.7566	7.32029	7.44463	6.23723	7.86967	7.34276	7.53221	6.15536	6.93556	7.9021	7.38139	8.31293	6.63446	6.69244
SYNGR3	2.34348	6.46394	5.33349	4.22106	6.25719	5.96359	5.5974	5.8463	6.91957	4.60892	6.36735	6.81576	5.48407	4.2359	4.86178	5.08786
SYNGR4	4.90477	5.44046	5.36713	5.77035	5.33875	6.09415	5.50534	6.35819	5.39807	5.77793	6.17098	6.44906	5.26645	5.77688	5.9209	6.26199
SYNJ1	4.83812	4.43507	5.3226	5.12168	5.22442	5.1755	5.47346	5.15309	5.37736	5.27954	5.00425	4.68565	4.93366	4.66254	5.44608	5.2998
SYNJ2	4.90215	4.54821	4.80084	4.63675	4.9186	4.81708	4.41586	4.69574	4.79903	4.87023	4.28059	4.59373	4.64068	5.23193	4.55416	4.81846
SYNM	7.38356	8.42204	8.60404	7.42011	8.9238	7.01487	8.33807	8.05612	8.38431	11.7562	7.7506	7.61499	7.81112	7.34682	7.04341	6.93297
SYNPO	5.59123	5.25377	6.66929	5.45373	5.27088	5.73121	5.9192	6.34789	6.83992	5.65551	6.35153	5.37736	5.82855	5.48925	6.57101	5.11171
SYNPO2	5.66479	5.39962	6.12925	5.15094	7.16464	5.75101	6.7674	6.67922	5.73904	5.35968	4.73969	5.97427	6.70844	7.28271	6.98295	5.493
SYNPO2	4.98727	3.74573	5.13074	3.899	5.22148	4.93717	4.81617	5.70807	4.98558	5.98247	5.17108	3.95956	4.98989	4.68408	5.46594	4.42603
SYNPR	4.6416	4.92917	5.79697	5.70272	5.72448	5.2498	2.88209	5.49524	4.04754	6.23462	5.35423	5.62801	4.16937	5.5943	5.60592	4.01765
SYNPR-A	6.90904	6.70956	5.24098	7.0793	6.20547	5.99268	5.83954	6.48592	5.32306	5.41838	5.73862	6.28592	6.87666	6.20487	5.67641	6.61933
SYNRG	6.66639	6.89348	7.07143	6.84013	6.76466	7.01929	6.19338	7.00656	7.25372	6.66023	6.6832	6.5885	6.35836	6.41532	7.06828	6.13534
SYP	5.22275	5.23593	5.31968	5.36331	4.43422	6.53507	5.59967	6.26403	4.39872	5.89084	6.24596	5.53516	5.18263	4.75817	6.41398	5.09318
SYPL1	8.88342	9.08827	8.74665	9.29927	9.15916	9.46771	9.43005	9.40867	9.53098	9.43414	9.28374	8.64803	9.11184	9.15245	9.35677	9.53392
SYPL2	6.08285	6.24815	6.24633	6.27029	5.73855	5.582	5.74842	6.56131	5.76238	6.03361	6.01229	6.34106	6.57527	6.381	6.29133	6.16152
SYS1	6.10197	6.03254	5.49659	5.73359	6.02692	6.11163	6.03028	6.10023	6.11232	5.77556	6.4091	6.01609	6.11917	6.99069	5.40398	5.87819
SYT1	4.1954	5.29633	5.10984	5.82465	6.129	4.23458	6.43493	4.75073	4.66132	4.59778	3.69908	4.80767	4.45583	6.85775	5.82226	4.87584
SYT11	6.42803	6.54284	6.57541	6.69377	6.73709	6.5239	6.41991	7.01338	6.70196	6.34809	6.97016	6.8657	6.39515	6.56975	6.57748	6.71848
SYT12	4.55632	3.42132	4.30301	4.28984	3.86074	3.42499	4.31728	3.93534	3.93765	4.12376	4.40873	3.32776	4.55333	4.85334	2.96978	4.17094
SYT13	6.81451	5.71558	6.50348	5.79149	5.64923	5.52597	5.67397	5.97729	6.38973	6.38642	5.36656	6.78618	5.81961	5.91547	5.94472	5.53761
SYT14	1.0625	0.9589	1.19537	2.43076	0.34005	1.26539	2.23396	2.34717	1.81152	3.99153	0.69487	1.91466	1.18021	2.82083	0.33356	1.21992
SYT15	7.64589	7.35747	7.87124	8.11826	7.26733	7.41841	7.57931	8.27429	7.31233	7.7389	7.50356	8.06308	7.66417	7.85138	7.70612	7.85064

SYT16	5.59616	4.31728	5.01758	4.76519	4.58668	4.94719	5.45613	5.29437	4.89553	5.30045	5.35681	5.27219	4.6975	5.25519	5.17376	5.53244
SYT17	7.70022	6.77193	6.25548	6.43593	6.13872	6.89231	3.96234	4.91034	7.63737	7.16597	4.77269	6.6827	4.7492	3.38676	4.12652	4.33331
SYT2	3.87518	3.59749	4.27544	4.09184	3.88843	3.55971	3.8062	4.02048	3.76729	4.00197	3.83893	4.60294	3.49323	3.82047	3.8556	3.61186
SYT3	3.53756	3.72982	4.6804	3.31099	3.38334	5.06879	3.58877	4.07245	3.09248	3.90306	4.12946	4.31399	3.36189	4.62104	4.85844	3.7755
SYT4	4.9553	6.08983	4.99562	6.01244	5.24432	5.76458	6.8272	5.85352	6.00252	6.08074	6.82178	6.71017	6.69995	5.6617	5.71461	6.49706
SYT5	4.55074	5.55036	6.13654	4.44493	5.74832	4.61302	5.46484	3.78353	4.66701	6.00628	4.16421	4.31215	4.42178	5.60685	4.80155	5.45694
SYT6	7.21911	7.01865	7.05993	6.5847	7.25032	7.10717	7.2332	7.71993	6.92863	6.90986	7.19373	7.33265	7.51854	7.14402	7.25924	7.47622
SYT7	3.76228	3.38255	4.27879	3.67466	3.7087	3.6948	3.82141	3.62589	3.73633	4.51165	3.76474	4.07826	4.06784	4.15582	3.45895	3.66884
SYT8	6.68292	7.16663	6.53878	6.38687	5.0817	6.70448	6.89356	7.20142	6.61955	7.14246	6.70325	6.73813	6.48318	6.75745	6.3379	6.68395
SYT9	4.06073	4.23458	5.11589	4.43507	4.57021	4.16067	4.44278	4.11592	3.9653	4.97871	4.47194	4.38541	4.80767	4.86142	4.83965	4.62788
SYTL1	8.91873	8.67057	7.72665	8.32337	8.46025	7.57459	7.81677	7.33157	8.12358	8.51297	7.34125	9.16397	7.93959	9.37769	7.93338	7.50258
SYTL2	7.79105	7.10969	6.94509	6.9667	5.90647	5.66376	5.36743	5.43789	6.6798	5.0651	5.6836	6.65808	5.47057	5.02024	5.85047	6.02159
SYTL3	4.27794	4.6793	3.6149	5.25261	4.42331	3.7924	4.81378	4.7048	3.66727	3.36559	4.79101	3.74811	3.56848	3.88289	4.18588	3.72108
SYTL4	5.29959	4.27152	4.19766	4.33276	2.56749	4.12946	4.12155	4.04587	4.58614	6.12841	4.89423	3.33153	3.38468	2.21242	4.50847	4.34691
SYTL5	5.08232	5.01256	5.07305	3.65854	3.25308	3.51466	4.72556	3.99057	4.12226	4.53792	3.95924	3.66599	1.61711	1.90997	2.6399	3.3065
SZRD1	4.61145	5.12745	4.98499	4.61634	5.30672	5.09486	5.19972	5.15356	4.76297	4.84882	5.26406	5.09486	5.26369	5.33097	5.55338	4.91054
SZT2	5.14762	5.53149	5.52908	5.34452	5.89999	5.76053	6.27213	5.81974	5.15758	5.61784	5.77944	6.14279	5.84617	5.37607	5.63658	5.50657
T	4.23422	5.10822	4.60079	5.39736	5.94032	4.56925	5.75211	4.83606	6.62664	5.60707	6.70697	5.30957	5.96219	6.05846	5.47388	4.98009
T-18	5.4983	5.04627	5.50973	5.44738	5.39382	5.24795	5.13292	5.86031	5.0773	4.00874	5.67273	6.10097	2.90755	4.99322	5.51623	5.57353
TAAR1	2.00108	3.75879	2.74259	4.5915	2.53024	4.1494	1.18021	3.71916	2.03262	3.21812	3.93173	2.2743	2.26476	1.17253	1.26858	2.31622
TAAR2	5.97437	5.56364	5.56217	6.25347	4.88936	5.02328	5.66468	5.8726	4.68603	6.19425	6.04515	5.87483	6.21786	6.00226	5.99014	6.27095
TAAR3	3.00675	4.18531	3.59844	4.1095	5.33349	1.73976	4.89975	5.36018	5.58578	4.91332	5.11463	4.37137	5.58168	4.10225	2.49591	5.51195
TAAR5	4.71106	4.05078	4.13154	4.99785	4.23397	4.15792	3.76501	4.6981	4.17624	4.48115	4.40775	4.50504	5.35451	4.48643	4.10961	4.11111
TAAR8	4.8012	5.61119	4.03231	5.76588	4.82316	5.01785	5.69946	6.63473	3.80565	5.89084	5.66075	5.23021	6.27208	3.99364	5.35208	4.87251
TAAR9	2.50129	2.72769	5.43789	4.53167	2.18367	5.0631	3.35187	2.52957	4.55668	2.85867	4.27533	3.3015	3.30026	2.57571	3.40607	3.61186
TAB1	6.71962	6.76008	6.70233	6.11602	6.55916	7.39105	5.78123	7.33576	6.88935	7.02223	6.7557	6.11277	6.77456	6.91366	7.05942	6.00448
TAB2	6.76807	6.66257	7.27323	7.59371	7.52337	7.31075	7.82093	7.5431	7.39688	7.54909	6.75374	7.0981	7.4383	7.2235	7.74368	7.38369
TAB3	6.27847	6.77706	6.5545	7.01379	6.99749	5.93594	7.52519	6.66605	6.08798	6.03658	6.70673	5.68558	6.49439	6.83262	6.42518	6.43161
TAC1	4.68509	1.94258	4.71136	2.45536	3.64173	4.18599	3.93793	3.10948	2.18568	4.95044	4.66023	2.93048	4.2792	2.82083	2.72952	3.07505
TAC3	3.75698	4.90452	3.20427	2.92162	3.88843	4.4107	5.33349	4.07245	4.13584	3.87941	4.488	3.91237	2.42653	5.77414	2.89621	3.1481
TACC1	4.9692	5.2242	5.92644	5.75787	6.05731	6.05374	6.23325	5.49591	5.69083	5.62589	5.46878	5.05469	5.65752	6.29302	5.44924	5.97965
TACC2	6.40363	5.91076	5.57155	5.97338	5.14578	5.8635	5.76275	5.86166	6.18035	6.38216	5.74152	5.69415	5.27316	5.59149	5.71324	5.80613
TACC3	4.64929	5.38965	5.73152	4.85873	6.67388	5.8691	6.2458	6.72244	6.41963	4.16253	6.48767	7.07893	6.04563	5.96754	5.92694	6.61479
TACO1	5.8191	5.41755	5.08968	5.0543	5.55115	5.07366	4.87854	5.50032	5.89013	5.40805	5.82226	5.51616	5.28039	5.25407	5.64043	5.56916
TACR1	4.12524	3.76927	3.70332	4.46104	3.88198	3.66884	3.94624	3.72386	2.94759	4.53215	4.45971	3.25734	4.28288	3.06255	3.91768	3.72115

TACR2	4.42363	3.59749	4.07777	4.04694	3.92606	3.0658	4.62693	4.63743	4.25669	3.41751	3.60024	4.03926	3.97703	4.41097	4.08763	4.18842
TACR3	2.72538	2.44316	5.14525	2.22193	4.56691	5.09772	4.56843	3.27157	3.90229	2.34717	2.99709	3.56237	4.18518	2.25724	5.83977	3.41778
TACSTD	6.02566	5.82837	6.03336	5.45895	5.29829	5.49101	5.48909	5.77781	5.68283	5.56628	5.97406	5.73566	4.81846	5.24225	4.98744	4.96449
TADA1	6.50348	6.28284	6.60736	6.34587	7.53886	6.53281	6.53353	5.9817	5.56798	6.56768	6.17068	6.63642	6.27038	6.52147	6.31399	6.52919
TADA2A	2.31706	4.63436	4.51282	3.71758	5.15859	3.96435	5.04372	4.34691	3.80262	3.9751	4.92686	2.96792	1.61259	4.45447	3.32597	4.23119
TADA2B	8.40648	8.05054	8.25224	8.39449	7.69278	7.52444	6.97016	7.24802	7.61233	7.76334	6.97857	8.69194	6.82917	6.81029	7.90327	7.01444
TADA3	5.50616	6.00213	6.13121	5.95336	6.17309	4.58568	6.02595	4.48593	6.10943	4.79259	5.66376	5.17108	5.29401	5.55737	4.82671	5.55912
TAF1	5.56646	6.48966	6.42572	6.52948	6.30585	6.52147	6.86762	6.09425	5.81525	6.67217	6.2422	6.47297	6.50281	6.17633	6.35878	6.06669
TAF10	7.3133	7.72648	7.50184	7.31041	7.18732	7.71824	7.96656	7.40457	7.59021	7.371	7.47747	7.91644	8.04991	7.83372	7.60851	7.49279
TAF11	6.42415	6.12544	7.16799	6.31699	6.3979	6.71127	6.32898	5.66749	6.68966	6.24052	6.89099	6.58326	6.42694	6.2968	6.79839	6.61362
TAF12	2.79297	3.4933	3.76552	3.68112	4.12453	3.72561	2.83966	3.08616	2.88086	2.97414	3.66652	3.56237	3.73495	3.85416	3.4529	4.11853
TAF13	6.54598	7.08446	7.5111	7.58784	7.50441	6.87959	8.16838	7.67366	7.43046	7.47109	7.60782	6.63258	7.16189	7.20038	7.61729	7.01656
TAF15	6.18041	6.29873	7.37234	6.76031	5.9069	7.38139	7.55303	6.9682	7.01158	6.83535	6.98274	7.12234	7.19867	6.9948	6.88815	6.7396
TAF1A	5.02649	5.61501	6.95968	6.29632	7.19839	6.13923	5.76985	5.77868	6.63893	5.58409	7.17711	5.73292	6.60817	6.02828	7.48041	7.38024
TAF1A-A	6.10768	6.65833	6.10036	6.92598	6.58382	6.34737	5.89465	6.70297	6.55951	6.45045	6.09857	6.61919	7.20836	6.54223	6.28062	6.80168
TAF1B	5.96127	6.13418	5.88618	6.41874	6.07505	6.35819	6.47202	6.34383	5.72153	6.02116	6.42743	5.52799	6.34082	5.84362	5.99679	6.25904
TAF1C	5.49685	5.70221	5.8076	6.04417	6.02908	6.20232	6.09438	6.7418	6.52709	5.8013	6.20265	6.99664	6.02794	5.60047	6.13152	6.118
TAF1D	8.93143	8.60967	8.95954	8.36016	9.47025	8.73603	8.62008	9.77645	8.56834	9.08007	8.63028	8.82977	8.30376	9.26978	8.8433	8.93865
TAF1L	5.56456	5.63336	4.27544	6.32966	4.74107	5.64151	6.14478	6.16644	6.06266	5.12105	5.78805	6.50683	5.91749	5.02185	6.48524	6.31802
TAF2	7.73837	8.02205	8.19619	7.84101	7.97582	8.05323	8.04765	7.52841	7.30308	7.34967	7.87248	7.2582	7.96289	7.73397	7.80198	8.29124
TAF3	6.22616	5.61655	6.83211	6.44926	4.62733	5.75929	5.81323	5.61554	5.44417	4.71235	5.90202	6.05559	5.00797	5.80335	5.53864	5.14674
TAF4	4.94282	5.24317	5.38226	5.34359	5.2949	5.66581	5.42389	4.89861	5.38864	5.4439	5.15336	4.98232	4.9958	5.14162	4.88684	5.48246
TAF4B	4.8729	5.54464	5.14674	5.20817	5.64142	5.02104	5.8529	4.98157	5.6699	5.20433	5.26764	5.97268	7.00701	6.02979	6.97702	6.44014
TAF5	6.58326	6.88166	7.17165	7.1455	7.92598	7.10583	6.67173	7.38957	7.05285	6.67044	7.8954	6.61115	7.16051	7.50324	7.76334	8.07239
TAF5L	6.32945	6.28743	6.33808	6.9158	6.9764	6.49365	6.60626	6.38327	6.52505	6.8226	6.6682	6.3827	6.86171	6.65283	6.52919	6.70654
TAF6	7.34389	7.82698	7.86571	7.72159	7.23822	7.98789	7.94881	7.74961	7.8616	8.07707	7.65268	7.73766	7.74589	7.92662	7.37404	7.98438
TAF6L	4.35267	3.90216	3.89312	3.69533	3.70908	3.65608	3.59361	3.72332	3.78397	4.0831	4.00768	4.43688	4.07683	4.10404	4.0846	4.1147
TAF7	9.23508	9.10246	9.69447	9.60191	10.3343	9.87278	9.46931	9.44547	9.59327	9.33546	9.17299	8.8365	9.72748	9.85721	10.2283	8.09112
TAF7L	3.07358	4.73428	3.47324	5.38226	4.08141	4.10106	4.62263	5.03761	3.92788	4.7732	5.18249	4.04577	4.51886	4.00025	4.80703	3.26593
TAF8	4.70821	4.68925	4.75823	4.35703	4.4227	3.74341	4.30752	4.20714	4.6313	4.28111	4.27968	4.77367	4.58359	4.20714	4.78187	4.89352
TAF9B	5.84505	4.95776	6.12673	5.6905	5.07813	6.32112	4.91574	5.62247	5.00061	6.06448	5.54441	4.97087	4.79956	5.28144	6.02133	5.13036
TAGAP	4.98271	6.21656	6.60418	6.60271	6.47564	5.83426	4.90967	6.0027	6.40841	5.58578	6.23437	6.09333	6.70439	5.54182	6.40308	6.11415
TAGLN	4.95231	4.5797	4.93804	4.57559	5.26217	4.9904	5.00284	4.72517	4.99067	6.73608	4.58478	5.01451	4.74602	4.75492	5.14845	4.48281
TAGLN2	9.05286	8.26535	8.23028	8.48815	7.92662	8.47703	8.54913	7.09901	8.39244	8.0442	8.8088	7.92486	7.96537	9.31511	8.51364	8.58859
TAGLN3	5.47317	3.21812	4.58359	4.07003	3.27783	6.45904	4.46025	4.40791	5.45949	4.44111	4.65546	3.82629	4.77727	3.92481	2.78105	3.01871

TAL1	5.45419	5.38559	6.11372	5.68746	5.30469	5.62971	5.43004	6.35047	5.42284	5.65486	5.4315	5.40961	5.36209	5.57026	5.7348	4.58359
TAL2	3.24439	3.2376	2.84494	2.6494	3.17599	3.79392	2.71733	3.36969	3.51845	3.21286	3.38447	3.71129	3.09731	3.78772	3.19594	3.64131
TALDO1	9.9547	9.90936	9.61082	9.51497	9.81024	9.45824	9.2812	9.9611	10.2667	9.68446	9.80267	9.46237	9.90115	10.3603	9.80678	9.98188
TAMM41	6.13689	6.23094	6.55834	6.381	6.24176	6.04232	4.91361	6.52709	6.36616	5.62753	6.19736	6.02566	5.67026	5.42892	5.58501	6.26293
TANC1	6.40779	5.79118	6.08682	5.73322	6.1524	6.53856	7.03381	6.26933	5.95076	6.33239	6.14519	6.33025	6.44456	6.45163	6.88759	7.32963
TANC2	3.90987	3.01001	3.9922	3.58419	4.03714	3.66246	3.71194	2.79301	3.65854	4.06358	3.94518	2.92455	3.15402	3.52295	4.07228	2.65173
TANGO2	6.01259	6.77308	6.28592	6.09052	6.5687	6.38025	6.92327	7.10804	7.36739	6.75056	6.86655	6.68013	6.55426	4.24417	4.19913	4.67059
TANGO6	7.03703	7.04229	6.53519	6.58138	7.11288	6.92733	6.95294	7.39575	7.43454	7.70121	7.51679	7.14485	7.36895	7.07787	6.76031	7.16605
TANK	5.59711	5.74512	6.09131	6.66349	6.48013	6.0495	5.935	6.18203	6.19736	5.57693	6.51053	6.2778	7.3259	6.30433	6.45247	7.11329
TAOK1	5.76532	5.43864	6.80155	6.37737	5.49265	6.55858	6.74255	5.5545	5.92319	5.61473	5.44685	5.49973	5.12208	6.17878	5.77804	5.66911
TAOK2	4.60347	4.59004	4.796	5.08129	4.60609	4.58951	4.8729	4.80946	5.2212	5.33833	5.58335	5.36018	4.46469	5.68058	5.28258	4.9891
TAOK3	6.73883	6.4803	6.83848	6.51684	6.41831	6.60987	6.8179	7.28288	6.91209	6.44114	7.00057	6.81974	6.25094	6.74803	6.26791	6.73659
TAP1	9.25316	9.24769	9.69974	8.9792	9.90936	9.68695	9.54173	10.1781	10.3741	8.37834	10.9797	10.5181	9.61505	9.69292	9.4889	9.49437
TAP2	6.45247	6.34726	7.01847	6.65971	6.29187	6.48536	6.70543	7.09572	7.08717	6.32273	7.06771	7.01235	6.70731	6.62601	6.21309	6.50979
TAPBP	6.86104	6.48435	7.16246	6.81379	6.73688	6.75611	6.9961	7.10661	6.96963	6.97702	6.78926	7.57667	6.87934	6.87399	6.60829	6.57488
TAPBPL	5.10864	5.36028	6.64159	6.13632	7.56138	5.28241	5.71853	5.90425	6.81741	6.50219	6.43533	6.87216	5.85594	6.94306	6.77245	6.01966
TAPT1	5.38706	5.35171	4.32243	5.30704	5.17093	5.16259	4.5207	4.62788	4.97217	4.98727	4.13063	5.21162	5.75589	4.58322	4.68478	5.19028
TAPT1-A	7.42688	7.12889	7.25345	7.23391	7.74219	7.5931	6.92327	7.50734	7.83054	7.8802	6.92817	7.24953	7.1234	7.28713	7.41632	6.56645
TARBP1	8.02563	7.80021	7.6371	6.80432	9.02285	7.69724	8.03892	7.76101	7.27283	7.66756	6.83665	7.89821	8.67085	8.31371	8.4721	9.24623
TARBP2	7.76924	7.8419	7.43334	7.26549	7.70564	7.62433	7.47187	7.2358	7.73968	7.71404	7.92528	8.75665	7.87143	8.17146	7.66951	7.40556
TARDBP	8.06128	8.08258	8.07378	7.94351	8.70149	7.67213	8.39116	8.60131	8.19737	8.56052	8.34289	8.21907	8.03245	8.33649	8.48329	7.98956
TARP	4.79101	5.12733	5.59996	5.20317	6.20708	5.9746	5.36981	5.69545	5.65267	5.02068	5.70032	5.07404	5.28385	5.27316	4.66132	5.43256
TARS	4.38594	6.43519	6.48056	6.42136	7.16903	6.4489	6.05798	7.24167	6.49155	6.06196	6.50605	6.01673	7.08864	6.85206	7.05226	6.60329
TARSL2	5.27879	5.57947	5.76449	5.56983	6.0189	5.46528	5.30772	5.69299	5.65432	4.76709	4.34289	5.45206	5.54182	5.79149	6.98066	5.76729
TAS1R1	3.96497	3.23826	3.36001	2.97978	3.19866	3.17821	2.97525	3.77469	4.16142	3.06407	3.71826	3.64082	3.01721	3.45622	3.33424	3.72162
TAS1R2	5.72456	5.28273	4.14389	4.31296	5.13544	4.83368	4.7616	4.85984	3.35168	3.5256	5.61655	5.66749	3.80685	3.6977	3.53974	5.03426
TAS2R1	5.72456	5.93392	5.17427	5.74926	6.09857	5.6875	6.02667	5.5136	4.5431	6.76466	6.07381	4.88247	6.27623	5.73322	5.90353	5.22506
TAS2R10	6.25719	7.05419	5.99339	5.10054	6.27938	6.19367	4.60294	5.38853	5.72358	6.31711	6.0104	5.89557	7.10988	5.59748	6.45018	6.02513
TAS2R13	2.47437	2.67513	2.75954	2.45536	1.69898	1.95254	2.20014	2.17246	2.39727	2.95492	1.44615	2.36593	2.23314	2.54935	2.94685	1.62293
TAS2R14	3.45063	4.09979	1.71583	4.66241	5.24358	3.50071	3.6792	3.74062	3.26549	4.62869	2.92993	3.33341	4.75238	4.02546	5.33954	4.69083
TAS2R16	5.42686	5.9265	5.95819	5.96484	5.73855	5.72931	5.94126	5.46099	5.79752	5.33406	6.09131	5.23346	6.34438	5.90062	5.90637	6.02794
TAS2R19	4.85757	4.39409	4.19043	4.2996	6.13912	4.11531	5.11637	5.66497	5.43789	3.85542	4.9748	4.42289	5.21117	5.13618	6.22482	4.68101
TAS2R3	2.68367	3.11174	2.90619	3.13915	3.24511	2.99117	3.27441	2.07548	2.90046	2.77263	3.25613	2.66471	3.54537	3.01384	2.52969	2.59102
TAS2R38	4.09491	4.25266	5.21903	4.25955	4.65407	4.61747	4.25043	5.14009	3.48123	3.2328	4.56115	3.79097	4.78274	3.80927	5.57124	3.97214
TAS2R39	5.4983	6.42916	6.29102	5.87492	5.55298	6.30311	6.09242	6.45541	5.64914	6.2132	5.79976	6.21114	5.90526	5.2072	5.54701	5.82006

TAS2R4	4.57516	3.24563	5.40387	4.50197	3.12473	3.15165	4.61995	4.07245	4.71298	3.5256	3.90646	6.01738	4.6779	5.36067	4.35255	5.476
TAS2R40	3.16429	5.63823	5.17698	3.97084	2.9933	5.02328	3.71929	2.61382	4.30345	5.06097	2.70123	4.05356	4.57269	2.86263	5.01318	2.38828
TAS2R41	2.79297	2.86158	3.40986	2.50291	5.22539	5.16359	4.37306	4.79259	3.29007	5.1056	5.7276	5.28266	4.73116	4.85467	5.10597	5.54492
TAS2R45	5.41746	5.76231	6.64348	6.36848	5.91698	5.52799	5.55517	5.53362	6.11635	6.23462	5.27788	6.05673	6.40117	5.50599	5.81659	6.23587
TAS2R5	4.0196	4.11531	4.95276	5.1084	4.08624	5.595	5.6314	4.1399	3.94629	3.58913	6.22626	4.18954	4.44582	3.92481	4.13035	3.89582
TAS2R50	5.2904	5.73158	5.19266	5.7533	5.59723	6.00032	6.04212	4.89413	4.15582	5.49998	6.08511	4.99212	7.38598	6.07154	5.33678	5.81769
TAS2R7	4.29421	4.05078	3.93627	5.07849	4.94013	5.62589	3.29192	4.30714	3.94629	4.15112	3.8925	4.18954	5.31934	4.34433	5.27633	4.10606
TAS2R8	0.9979	1.32117	1.59211	2.72117	0.59539	0.67532	1.80024	1.67907	1.45473	2.97414	1.67696	1.87757	1.35312	0.8165	2.04035	2.53538
TAS2R9	6.61827	7.04229	6.92116	7.16101	6.5719	7.26413	6.30615	6.57582	6.73228	6.38805	6.22626	6.79897	5.45858	6.3934	6.29639	7.23122
TASP1	6.01152	5.53637	5.59425	6.52645	5.28927	5.7287	4.93219	5.33097	4.81041	5.01347	5.44903	5.33725	6.12478	5.51248	4.88663	5.70584
TAT	4.63899	4.1487	4.32344	4.06438	3.57291	3.58935	4.19411	4.53599	4.85891	4.13837	4.23866	4.31847	4.026	4.37563	4.53976	3.99397
TATDN1	8.14326	9.04936	8.62416	9.18711	9.14795	9.35144	9.84358	9.80853	9.16963	9.27726	8.75563	8.23129	9.50129	9.95652	9.34827	9.52795
TATDN2	5.40153	7.47457	7.32228	6.6025	6.69482	6.19068	6.73828	7.40625	5.84244	7.08796	6.48089	6.91674	6.66742	7.15739	7.52923	7.41939
TATDN3	6.30604	5.70543	5.68517	6.21586	6.33704	6.26834	6.26204	6.73182	5.59435	5.79816	6.15395	6.1875	5.46554	6.13194	5.54563	5.65432
TAX1BP	9.54485	9.15119	9.08092	9.58421	10.0552	8.83744	9.75827	9.21483	9.2593	8.97278	8.72446	8.60896	8.5194	8.73206	9.52795	9.57938
TAZ	5.9248	5.31668	6.4479	6.17842	6.05821	5.62838	5.41438	5.5362	5.33002	5.55954	5.75547	6.1194	5.60533	5.82484	5.88242	5.61383
TBATA	6.55748	6.27509	4.92884	6.65883	6.31298	6.43785	5.91547	7.207	6.15629	6.72801	6.04817	6.23645	6.66317	6.90197	6.57541	6.93297
TBC1D1	5.23078	5.44143	5.61936	5.19056	5.49848	4.59852	5.03413	5.66158	5.76467	5.06996	5.83196	5.28356	5.57644	5.47057	5.68843	5.26934
TBC1D1	6.28487	5.84754	6.67094	5.67141	5.67978	6.38992	5.60928	6.67595	5.76403	6.62027	6.42415	6.73005	5.94627	6.36574	6.04427	6.06407
TBC1D1	8.04951	7.88522	7.55433	7.65128	7.67639	8.12753	8.05772	8.63028	8.44895	8.30299	8.19639	8.16376	7.96335	8.17363	7.90263	7.51709
TBC1D1	7.82923	7.88701	7.95813	7.99805	7.59795	8.20748	6.43533	7.82061	8.31916	6.34438	7.54165	9.03052	7.19234	6.87959	7.65934	7.18675
TBC1D12	4.25587	4.63984	5.7529	4.56679	5.45838	4.85056	5.63087	5.89483	5.62925	4.78762	5.82	4.93219	4.61181	4.51181	4.66526	5.93381
TBC1D13	6.13632	5.97095	5.155	5.71853	6.09675	6.06866	5.0543	5.7418	6.36201	5.90589	5.69071	5.40124	5.28021	6.17866	5.96787	6.95968
TBC1D14	9.06178	8.95482	9.15119	9.18875	9.38644	9.43324	9.71214	9.21728	8.94345	8.98902	8.81055	9.58421	9.15916	9.75827	9.74747	9.10108
TBC1D15	7.27934	7.52127	7.36045	7.24146	7.90998	7.5326	8.0157	7.22511	7.55817	7.63737	7.05684	7.01379	7.21477	7.81334	7.78519	7.40722
TBC1D16	6.11109	5.42482	5.97943	5.32922	6.03432	6.69244	5.85631	5.51128	5.22934	6.52006	5.48559	5.31712	5.48246	6.27405	5.68604	4.97356
TBC1D17	2.37329	1.91586	4.10455	2.55745	5.67026	5.2799	5.16804	2.83945	3.06765	2.93344	1.85273	3.62346	2.00801	6.57182	4.25015	3.38208
TBC1D19	7.1301	6.03751	5.64993	6.01474	6.89723	6.30883	4.50617	4.19473	5.85866	4.46917	6.18412	4.18135	7.1222	6.20951	5.91547	6.34648
TBC1D2	6.87285	6.63378	7.22549	5.05078	6.21586	7.55989	6.73729	4.94996	7.21897	6.9035	7.08988	7.34967	6.38496	6.98418	6.04054	5.92292
TBC1D20	7.69211	7.61901	7.5578	7.23189	7.43659	7.18517	7.5111	8.18266	7.91877	7.53012	7.91133	7.83639	7.83923	7.42749	7.35385	7.16101
TBC1D21	5.83426	6.01669	4.80292	5.48763	5.2507	6.13597	6.1846	6.51384	5.92675	6.07145	5.83329	6.20265	6.06561	6.35027	6.17362	5.74894
TBC1D22	8.01689	8.2586	7.68808	8.04991	7.56947	7.72199	7.34748	7.3713	7.63792	7.28242	7.61408	8.15253	7.48798	6.96393	7.44302	7.48544
TBC1D22	5.39096	5.21738	4.56898	4.72058	6.08478	4.59004	4.87993	6.02426	5.63391	4.86934	5.05142	5.08968	4.39114	4.32291	5.55398	4.97462
TBC1D23	5.73466	6.15488	6.68395	5.50934	7.56344	6.36148	6.12808	6.11122	7.11703	7.0963	6.78258	5.73131	7.05859	5.91431	7.0367	6.33253
TBC1D24	5.5755	4.67009	5.23021	5.22842	6.37657	5.52577	6.62321	5.0651	6.15536	5.94835	5.56581	5.78504	5.26039	5.85168	5.95854	5.4816

TBC1D25	5.73492	5.74642	5.2949	6.32627	5.57414	6.50474	6.5016	5.58111	6.88409	5.56198	6.29386	6.65991	5.83166	6.22938	6.33619	5.12561
TBC1D27	6.12164	7.21202	6.96123	6.40363	6.74201	6.43994	6.42265	7.17007	6.36476	6.57013	6.32156	7.20767	6.38344	6.55263	6.27239	6.31802
TBC1D28	5.84574	5.10822	2.94797	4.47874	3.66644	3.79752	4.09381	5.1344	2.50218	3.09196	4.14261	4.61987	5.58872	3.09139	3.51602	5.10065
TBC1D29	3.25147	4.28339	3.38079	2.97356	3.86774	3.40348	3.70182	6.34947	3.38569	4.92663	5.19754	4.2645	3.05227	5.6019	5.14236	3.91544
TBC1D2E	4.83726	4.87464	5.77322	5.5803	4.91737	5.40792	5.78857	4.96429	5.29126	4.41538	5.07857	5.37151	4.88984	5.22842	4.89915	4.64211
TBC1D30	6.25405	6.33267	6.3829	6.48966	5.76354	6.19045	6.3948	6.09786	5.73429	7.31725	6.01722	6.03045	6.23263	5.84019	6.48665	6.32382
TBC1D31	4.7932	5.78133	5.84505	5.14061	5.1034	4.88353	6.66476	5.66806	4.93183	4.25565	5.74197	4.37886	6.20708	5.42824	5.49238	5.44522
TBC1D32	6.61943	5.01176	6.42722	4.52964	6.29048	6.13381	6.56229	5.82012	5.83086	5.77073	5.36481	5.56014	6.35935	6.13872	5.75101	6.48056
TBC1D4	7.73582	7.92842	7.97532	8.38746	8.32872	7.87748	7.65794	8.12977	8.32985	7.94114	7.5738	7.36211	7.88503	7.76101	8.29403	8.17146
TBC1D5	7.0472	6.82158	7.31233	7.31528	6.53843	7.57931	6.39124	7.10635	7.39156	7.25345	6.45101	7.3146	6.30419	6.5886	6.59548	6.38216
TBC1D7	4.59565	4.60781	4.28169	4.56661	4.58428	4.97217	4.45043	4.55504	4.44904	4.60609	4.7593	4.55416	5.07813	4.72736	4.51222	4.52282
TBC1D8	5.95854	5.97591	5.47849	5.59977	5.82978	5.49998	5.47849	5.53553	6.02327	5.96676	5.14674	5.18054	6.06669	5.57693	5.60769	5.39128
TBC1D8B	5.62474	4.58478	5.55338	6.03432	4.94472	5.37133	5.79671	5.13318	5.57874	6.72263	5.13767	4.46324	4.16338	5.39452	5.76704	5.40501
TBC1D9	7.69052	8.20175	8.37525	8.02883	7.23063	7.99841	6.84551	7.66647	7.81046	8.08867	7.50769	7.68253	7.8597	7.31963	7.759	7.51854
TBC1D9B	8.34789	8.56997	8.65638	8.4172	8.04765	8.69948	9.06823	8.79229	8.31293	8.85614	8.12416	8.68337	8.17338	8.59024	8.72368	8.42505
TBCA	10.9309	11.1909	11.468	11.7283	11.9991	11.9018	12.2974	12.3743	11.5206	10.6549	11.9441	11.9991	12.1026	11.8	12.0628	12.2837
TBCB	9.32986	9.23779	8.92921	9.83596	9.30638	9.55838	9.08827	8.46911	8.68694	7.86622	9.43496	10.1581	9.09316	9.9517	9.22652	9.24021
TBCC	7.5405	8.19877	7.76259	7.33649	7.79266	7.40347	7.71233	8.10034	7.75876	7.268	7.64121	8.26169	7.74071	8.12453	7.74542	7.84223
TBCCD1	7.7249	7.02137	7.4231	7.26052	7.41527	7.40169	7.78519	7.56162	7.61312	6.76291	7.57911	7.41252	6.97236	6.74395	7.14746	7.43844
TBCD	6.17309	5.70986	6.70325	5.45677	6.52849	6.09528	7.65751	6.33134	6.6295	6.21535	6.30738	6.44808	6.43385	6.46905	6.38192	6.63097
TBCE	7.12375	6.59027	7.45051	6.51546	8.22674	7.06726	7.02799	7.40525	7.74752	7.5111	7.36343	7.36788	8.33937	7.83923	7.3363	7.83154
TBCEL	5.14791	5.34584	5.43048	5.67953	5.13338	5.01373	4.72146	5.33781	5.90706	5.46062	4.92065	5.56655	4.9553	5.03997	4.6975	5.00549
TBCK	8.55255	8.30848	8.70701	7.95757	8.83165	8.49644	8.54215	8.84421	8.65312	8.13334	7.57059	8.08135	8.54552	8.35397	9.11385	8.22729
TBK1	8.85032	8.57771	9.29827	8.23685	9.05286	8.65141	8.05562	8.7811	8.97416	8.79751	9.61231	8.34481	8.87897	9.21728	8.94892	8.898
TBKBP1	2.83473	1.54402	1.68451	2.75974	1.26539	1.95254	3.16512	1.67907	2.25875	2.47565	2.8192	1.63685	2.90755	1.88842	1.55502	2.19188
TBL1X	4.8242	4.36417	4.66	4.51099	4.71689	4.02973	4.709	5.13823	4.94559	4.82167	4.22676	4.01078	4.25176	4.4005	4.03381	4.41812
TBL1XR1	5.21937	5.70562	5.36254	6.03942	5.90297	6.86221	6.19148	5.39747	6.26067	6.1757	6.13042	5.16547	6.01976	5.38261	5.86382	5.84738
TBL1Y	1.37327	4.38909	3.08807	3.64199	2.68714	2.24655	2.88209	1.61881	2.81157	2.80132	3.89949	2.31832	2.46016	2.41572	3.37408	3.20278
TBL2	7.42469	7.01906	6.93448	7.21396	6.78728	7.03928	5.8266	7.50077	7.0964	7.16995	6.60518	7.50291	7.14173	6.59447	7.35747	7.1503
TBL3	6.05798	6.40117	4.77306	5.17515	6.10692	6.15194	6.67721	6.30626	6.52034	6.98813	6.57211	6.70325	5.41552	6.03191	4.57021	5.63775
TBP	7.68874	7.37909	7.46031	7.5453	7.83761	8.41365	8.0326	7.78177	7.79783	6.89861	7.84521	8.06643	8.74814	7.87876	7.93978	7.73837
TBPL1	7.86385	8.37142	8.05902	8.09094	8.68947	8.57292	9.22826	8.33548	8.43692	6.97429	8.32009	7.67711	9.33697	8.7291	8.48742	8.35464
TBR1	3.35226	3.32466	3.60422	3.28542	3.83175	3.76182	3.82687	3.43351	4.60738	4.34627	4.04954	3.32466	3.36189	3.6144	3.57849	4.68891
TBRG1	6.00649	5.93115	6.48478	6.26865	6.17289	5.88618	5.58714	5.97761	6.09592	6.01609	6.13418	5.72052	5.58353	5.75276	5.39398	6.20565
TBRG4	6.03937	5.85056	6.24355	5.38794	5.91533	5.95608	7.01686	6.88989	6.50907	6.1833	6.32101	5.42908	5.63126	6.8053	6.59358	6.71204

TBX1	5.22214	5.12795	5.18133	4.91397	4.78947	5.46484	4.91432	4.96603	5.06911	4.97617	4.61302	4.95084	4.63956	4.792	4.70533	5.44544
TBX10	6.39707	6.66101	6.35436	6.32509	6.36119	6.44845	6.29102	6.90215	6.23742	6.83051	6.25329	6.45334	6.37431	6.81012	6.53281	6.235
TBX15	5.78082	7.81268	7.08097	7.85853	7.3118	7.49265	6.30868	7.02338	6.3998	6.53172	6.06314	8.09518	6.02794	6.47903	7.61901	6.53136
TBX18	3.38774	3.48742	3.60505	3.706	3.87043	3.43618	3.47903	3.36807	3.24137	2.06028	2.05562	3.10896	3.27772	3.18584	2.68484	3.84116
TBX19	7.33098	7.64689	7.86841	7.41828	7.48498	7.91133	8.8522	8.26845	7.91786	7.1342	7.89777	8.04267	7.52638	7.56995	7.75146	8.02241
TBX2	5.32756	4.96785	5.78528	4.72967	5.31136	5.38331	5.06859	5.41468	4.70881	6.13374	5.48413	5.55398	4.92179	4.98009	5.10495	5.49824
TBX20	1.70087	3.32466	3.61284	2.38778	2.97095	4.34547	5.20294	1.67907	3.91489	4.45539	2.66551	3.405	4.6132	3.39861	4.94595	5.39423
TBX21	5.65081	5.87392	6.72589	5.97245	6.52236	5.69972	5.1853	6.33219	6.93096	4.39917	7.97147	6.80696	6.16902	5.76092	5.99014	6.05296
TBX22	2.04089	4.3216	3.0093	4.8333	2.18367	2.86136	2.1009	1.79233	2.90046	1.96807	1.63512	3.53998	1.68682	2.48051	2.881	3.08868
TBX3	5.23875	5.15982	5.51925	4.94152	5.46243	5.78774	5.63371	5.62589	5.24505	5.41616	5.64905	5.59711	5.58335	5.61082	5.17309	5.17737
TBX4	2.61145	3.93772	5.29579	3.77125	4.07562	5.27542	5.16332	3.71916	3.9348	4.33627	4.91374	5.74934	3.64142	3.86642	4.24348	4.94543
TBX5	4.3125	4.69778	4.36974	3.57291	4.86331	4.5785	4.41381	4.09292	4.55416	4.15843	4.51765	3.52527	4.47992	4.55949	4.40686	3.78894
TBX5-AS	2.64433	2.8175	2.84585	3.38712	2.86263	2.79203	2.92289	3.53071	3.19767	3.02185	2.31336	2.74373	3.32655	2.11663	2.46272	3.61691
TBX6	5.59687	6.26907	5.40872	5.41338	4.68339	6.38496	5.88995	5.21321	4.76031	5.90772	4.8564	5.59184	4.64905	5.46131	5.06359	5.8259
TBXA2R	3.81063	4.42547	4.59455	4.62587	3.78662	5.01027	3.57764	4.73969	3.82524	4.57686	4.72058	4.76747	4.91924	4.05985	4.33027	4.32453
TBXAS1	6.46008	6.9	6.9799	7.01061	6.92817	6.63165	6.46039	7.19947	7.30631	6.61185	7.18675	7.5383	7.40154	6.46638	6.72816	7.24638
TC2N	7.09448	7.01792	6.32556	6.94762	7.64121	5.71282	7.44901	8.01756	6.74325	6.89412	6.74255	5.70986	7.49325	6.22582	6.26293	7.62638
TCAIM	4.60548	4.76487	4.69157	4.92065	4.48842	4.84137	3.61186	4.67342	4.97512	4.35974	5.79778	4.51021	4.78736	5.03387	5.14958	5.31355
TCAM1P	5.09335	6.10182	5.6255	5.88508	5.6902	5.81617	5.61119	6.18068	5.05885	5.39491	5.49607	5.12344	5.46165	6.18738	5.47388	3.75027
TCAP	5.79997	6.23941	5.50341	5.563	6.05522	6.59456	6.39556	6.07103	6.3998	6.93556	4.40218	4.58543	6.95968	5.93665	5.76606	5.94638
TCEA1	5.76996	6.12252	6.51983	5.84563	5.94721	6.00238	6.03011	6.08756	6.08478	5.94952	6.26164	5.48642	6.27798	6.1275	6.1677	6.31417
TCEA2	5.66468	5.41855	4.39545	5.85947	5.63098	6.14368	5.46033	4.83886	5.19529	4.75492	5.23193	5.30419	5.30419	4.68245	5.00585	5.0094
TCEA3	7.4188	7.04806	6.96157	7.83923	6.93323	7.29564	8.06128	6.18222	4.79429	7.54204	6.85041	6.77496	7.68737	8.17252	7.55529	6.05374
TCEAL1	8.09594	7.73849	8.41276	8.78616	8.01278	7.77962	7.26533	7.88396	7.69585	7.83726	7.17176	8.29809	7.92881	7.74157	7.97582	7.59921
TCEAL2	7.18769	6.774	4.2347	7.57994	3.03309	5.81617	2.70047	3.27157	3.60923	9.79789	3.29289	6.55943	3.40212	3.60186	2.59102	2.49784
TCEAL3	10.2725	9.33546	9.86381	10.0791	8.29176	9.51684	6.97441	8.74249	8.7811	10.3441	8.24933	9.8758	8.25283	8.41616	8.74074	8.14451
TCEAL4	10.9359	10.9989	10.9359	10.9018	9.29168	11.008	10.2039	10.8297	10.5665	11.2822	9.87278	10.817	10.4743	9.23642	9.99098	10.4632
TCEAL7	4.36572	4.08141	4.89082	5.40961	3.6922	5.13024	2.39011	2.58708	4.3624	6.58211	5.14516	3.78165	4.18518	2.54935	5.05327	4.46349
TCEAL8	7.34389	7.49517	8.70149	7.93177	8.21298	7.4919	6.50501	6.8336	7.28271	8.53771	7.51679	6.68534	8.11015	8.79808	8.23177	7.36002
TCEANC	5.55081	5.54853	5.08631	4.92092	4.98524	4.84684	4.7747	4.83092	5.09234	5.15526	5.31468	5.52307	5.15954	4.27689	5.62092	4.24058
TCEANC	4.72092	4.21204	4.36192	4.62196	4.85948	4.74392	5.2535	4.92218	3.47243	3.5644	5.07033	5.00506	3.88943	4.58277	4.72092	3.93967
TCEB1	8.49014	9.29073	8.94258	9.30916	9.55947	10.0162	10.4883	9.88728	9.62568	8.65141	9.82232	9.13461	10.3468	10.1088	9.8758	9.9517
TCEB2	8.87832	8.50431	8.13492	8.57691	7.94485	8.86529	8.75771	8.01515	8.47157	8.07849	8.66913	8.71707	9.57587	8.96233	8.67666	8.47703
TCEB3	6.16438	6.59531	6.2519	6.0605	6.3829	6.00149	6.2573	6.71062	6.05559	5.95392	6.2807	6.01665	5.90179	6.3542	6.43834	6.45781
TCEB3-A	6.66289	5.89327	5.07215	6.22135	5.86719	4.75754	3.18384	6.04226	3.75611	3.6977	5.7256	5.98093	5.64923	7.07369	7.22225	5.117

TCEB3B	5.81029	6.06227	5.86084	6.08225	5.59136	5.85906	6.01067	6.04567	5.81369	5.74642	4.39789	5.5785	6.14906	5.92827	6.07137	5.90297
TCERG1	5.67672	5.22203	5.60876	5.58593	4.58478	5.62092	5.71395	5.33606	5.53864	4.36649	5.85348	6.21403	5.93772	5.38391	5.25428	5.17157
TCERG1l	5.39977	4.97234	3.60422	6.62636	5.63906	7.05063	6.10048	4.92969	3.42477	4.30135	3.32655	6.73122	6.2574	5.68695	7.23733	3.70541
TCF12	6.16926	6.05696	6.30311	6.34341	6.46131	7.39533	7.5475	6.45915	6.66307	6.18515	6.05425	6.15426	6.8319	6.16574	6.68395	7.62564
TCF15	2.16905	2.70876	2.38251	1.96731	2.18367	2.53476	2.83966	2.93245	2.31622	2.44811	2.98436	2.36593	2.81611	2.31516	2.9127	3.82034
TCF19	6.39985	7.58677	7.02757	6.986	7.54351	6.83608	7.56811	7.90945	7.55755	6.21895	7.73665	7.65997	7.29217	7.24245	7.12292	6.98458
TCF20	7.88862	7.37995	7.65828	7.72349	7.30897	7.55949	7.78353	7.68808	7.31075	7.04216	7.38822	7.61117	7.86242	7.67098	7.7737	7.43085
TCF21	4.05521	4.04682	4.04204	4.1934	3.88289	3.53131	4.34259	3.34714	3.82111	3.63349	3.85196	3.60965	4.23895	4.09001	3.73314	4.30115
TCF24	4.68509	2.69344	2.02586	4.53637	3.18522	3.49365	4.58061	3.13235	3.13363	4.14078	0.99002	0.05171	0.47227	2.25724	0.24178	5.75818
TCF25	7.28322	7.06405	7.46505	7.03954	6.38675	7.18064	7.03856	6.90567	7.1111	7.29595	6.85382	7.54991	6.76714	6.98119	6.62374	6.77043
TCF3	5.42419	5.85761	5.72034	5.73664	5.99151	5.89549	5.87547	5.97036	5.87618	5.36187	5.60814	6.50944	6.20677	6.11067	5.93821	6.06247
TCF4	8.24533	8.33216	8.93763	8.48891	8.08617	8.37645	7.88823	8.25993	7.99006	8.15497	7.53361	8.1697	7.68484	7.57059	8.66637	7.75523
TCF7	6.7305	7.12767	7.65686	8.15363	6.61943	6.32792	5.97916	6.61362	7.19246	7.03744	6.04567	7.06726	6.22269	5.95076	7.20458	7.095
TCF7L1	7.41632	6.91931	6.83078	6.09694	8.20539	8.55121	7.33899	4.22833	8.81505	8.62037	6.14965	6.64463	6.04784	6.39507	7.80888	2.51437
TCF7L2	6.63615	5.99151	6.65734	6.62196	6.19189	6.50979	6.20362	6.14304	6.2845	7.21934	6.05663	5.83943	6.05243	5.99084	6.30648	6.29208
TCFL5	6.8185	7.12234	7.3259	7.392	7.52301	7.58583	7.47372	6.45608	7.1503	7.66374	7.30834	7.31017	7.8583	7.02978	7.71648	7.21975
TCHH	4.76359	3.77816	3.32481	5.95827	4.5743	5.28311	2.5047	5.22564	5.15933	3.15532	4.49934	5.83056	4.97697	5.45508	4.23617	4.49636
TCHP	6.69613	7.00204	6.97441	6.8718	6.92674	7.1585	7.81085	8.00769	7.31528	6.08983	7.15825	6.76269	6.25061	7.67128	7.327	6.57977
TCIRG1	9.78359	9.7224	10.0193	7.90707	9.04007	9.44859	9.19844	10.389	10.4883	9.65062	10.0123	10.2283	9.28755	8.07286	8.47572	8.93549
TCL1A	7.36089	8.93046	6.80475	7.78755	7.6495	7.82939	3.89582	5.72931	5.67735	4.78093	4.75754	7.62838	5.82871	4.2803	5.13318	6.36379
TCL1B	5.89711	5.19799	6.45198	6.19518	5.76268	6.47506	5.85864	4.5714	5.84835	4.91332	4.06326	4.3216	4.46842	5.75101	5.96919	4.55668
TCL6	3.75083	3.99805	4.51193	3.58775	4.04793	4.34027	4.28228	3.87456	4.14041	4.08712	4.22285	3.80927	4.22676	4.05144	3.87693	4.12051
TCN1	10.0518	7.82939	8.96335	7.80379	6.27273	4.83812	4.68519	5.50579	9.65609	12.3491	8.69613	5.60212	6.04383	5.21946	5.42944	5.67296
TCN2	6.90478	7.00783	7.06359	6.0554	5.62183	6.40779	4.45365	6.67312	7.75166	6.11583	7.90829	6.95884	6.55112	3.8872	6.53922	6.66446
TCOF1	5.80803	6.23972	6.47587	6.53371	6.48825	6.20604	6.66328	6.46097	6.73909	6.34562	6.83211	6.97262	6.61672	6.5054	6.67496	6.70376
TCP10	5.13232	3.27087	3.0591	3.45327	3.03309	3.71116	3.6755	2.55884	3.82945	2.97414	3.72069	2.86273	2.68899	3.73088	2.82464	3.17553
TCP10L	6.12053	5.47559	5.84854	5.75171	5.36028	5.71671	4.61047	5.91983	6.16976	6.51053	6.11204	5.60091	6.31477	5.64227	5.563	5.49323
TCP11	7.15338	6.70439	5.9687	6.74577	5.26406	5.90212	5.92806	6.18347	6.17468	4.83052	5.71676	5.10586	5.90923	6.20951	6.28422	6.64563
TCP11L1	2.35901	4.97832	4.69778	3.49924	5.49958	4.37463	4.23277	5.48041	4.97729	4.49249	5.17157	5.31468	4.56108	4.47902	4.27051	3.3753
TCP11L2	3.95124	4.87769	4.10828	4.66938	4.3447	4.48984	4.80555	4.82763	4.61514	4.75654	4.6307	5.21834	4.8047	4.97312	4.53653	4.83857
TCRBV1	2.83473	4.02672	3.12132	2.69863	3.75099	2.72526	3.64382	3.0093	2.64558	3.57327	3.05202	2.48941	2.94778	2.48051	3.08134	3.24808
TCRBV1	6.30873	5.77073	6.7699	6.62819	6.97222	6.46123	5.59446	6.0966	6.70282	6.79393	6.83889	6.48488	6.15765	5.69545	6.37883	6.64176
TCTA	8.4855	8.68337	7.62491	7.80984	7.63764	7.82469	7.59021	8.56669	8.45287	9.01679	7.57827	7.78353	7.77591	7.81066	7.53803	7.99984
TCTE1	4.12999	2.79266	1.70381	2.90159	1.93871	1.90997	2.31492	3.76379	3.6792	3.83015	3.18189	2.95936	5.05646	3.23061	3.7365	4.15607
TCTE3	3.30355	4.0195	3.48084	4.05033	3.67301	4.16003	3.83175	4.83993	2.89196	3.81102	3.62918	3.52979	3.88851	3.763	3.64739	4.2492

TCTEX1I	8.69613	7.07599	5.12092	7.80571	5.24432	4.7668	5.45432	5.38422	5.96332	4.70305	3.60639	5.73718	3.02655	5.87473	4.36479	5.08064
TCTEX1I	9.80516	9.09062	7.82408	9.54936	8.46182	9.11385	9.53631	9.13461	8.50543	7.43529	8.55202	9.05969	9.49437	9.47025	8.97745	9.20378
TCTN1	7.322	6.94927	6.74635	7.62288	6.91643	6.95057	6.26907	6.79447	6.56519	6.78596	6.64604	7.35181	7.46593	7.46327	7.08612	6.94306
TCTN2	5.52122	5.30906	5.13629	5.62925	6.08039	5.65011	6.30273	6.21138	6.37758	5.61554	5.82908	6.432	6.04708	6.04567	5.94456	5.59274
TCTN3	8.46536	8.07334	7.66602	7.92703	7.84604	8.5825	7.41841	8.62832	7.75523	8.52989	7.5808	8.19961	7.8415	8.15045	8.65698	7.88283
TDG	9.78173	10.0697	10.2928	9.75979	10.9797	10.5954	11.0289	11.0289	10.7876	10.0604	10.8485	10.6889	10.4243	10.7421	10.8711	10.545
TDH	3.39861	3.6535	5.16123	4.63097	4.75171	3.23269	4.67471	4.09327	3.83495	3.80166	4.10024	4.07683	4.96284	3.62063	2.81532	4.56925
TDO2	3.15571	4.40279	3.32744	4.08748	3.15356	3.29541	2.6562	4.18954	3.78507	2.10048	4.85485	4.09469	5.01347	3.70267	6.16037	4.72146
TDP1	6.54354	6.83848	6.43957	6.18035	6.32101	7.07111	6.67015	6.32405	6.91463	5.70016	7.02091	6.99069	7.12866	6.13852	6.90107	6.70889
TDP2	8.80719	8.77851	9.36239	9.37769	9.83943	8.49751	7.37019	7.32389	8.67767	9.13692	9.86852	8.91007	9.46666	8.45605	9.55682	9.40713
TDRD1	5.70671	5.17489	6.24827	6.39263	4.38405	5.60919	6.02125	6.22394	4.49404	4.16253	5.38684	5.03368	6.00757	6.28284	5.76606	6.37561
TDRD10	6.49589	6.11947	6.70793	6.81622	6.32622	6.28277	6.49304	6.77343	7.11924	6.97291	6.74345	6.66751	6.77034	6.70719	6.63063	6.03446
TDRD12	3.50034	3.98362	3.56906	3.21843	5.84059	3.49365	3.68625	3.19037	3.25201	3.18735	3.79556	3.483	3.93646	3.52815	3.66756	3.60117
TDRD3	6.22501	5.68932	5.91387	4.92491	5.69697	5.48503	6.50281	6.15777	5.43532	6.01803	5.91563	5.93989	6.12946	5.56083	6.03295	5.90531
TDRD5	5.4792	2.36797	4.87525	3.42644	3.64173	2.18538	3.52327	2.30474	2.31622	1.87612	2.3203	3.57258	3.79701	4.85467	4.23617	3.58879
TDRD6	6.88484	5.12193	5.95187	6.1892	3.66644	5.33083	6.37833	6.28749	4.72987	6.03991	5.34415	5.79149	5.76092	5.7076	6.14843	5.4288
TDRD7	6.65541	6.98952	6.01704	6.56474	6.86948	6.53685	6.63184	7.79216	7.154	6.72676	6.88166	5.49238	4.14977	6.96496	7.36484	6.82216
TDRD9	5.9649	5.28996	3.66581	6.089	6.17554	4.19473	4.70432	5.68798	5.51434	6.4022	6.26824	6.17373	6.27208	6.08128	6.45915	6.19599
TDRG1	6.34518	4.98301	5.448	6.56474	6.75896	6.35351	5.3089	5.91876	5.0435	5.07547	5.63879	7.06663	7.31308	5.78941	6.81839	6.40196
TDRKH	4.91574	5.99457	5.80545	4.53328	6.03166	5.86456	5.69118	5.48792	6.0186	5.51727	5.97859	5.36713	5.43309	5.35208	5.92656	6.40861
TDRP	5.6426	5.48246	5.70807	5.47147	7.35149	5.70907	6.75319	6.45143	5.0543	5.22842	4.86491	5.70584	6.52623	7.20816	6.34228	6.63165
TEAD1	6.08828	5.47218	6.15366	6.2843	5.8392	6.2118	6.87351	5.81646	6.00149	6.04941	5.21576	5.50296	6.60736	6.32595	6.41224	6.25872
TEAD2	3.77267	4.97661	4.55446	4.33436	5.10776	4.55918	4.91737	4.28137	4.05249	4.47847	4.36722	4.38106	4.77548	5.0244	4.96105	4.71641
TEAD3	5.9621	6.18979	6.13739	6.26213	6.51258	6.63624	7.1559	6.34224	6.88851	6.80609	5.67961	5.98895	6.4043	7.25914	7.01906	6.10171
TEAD4	5.22972	5.4479	5.41144	4.65312	6.36872	4.9789	6.94306	5.96423	5.27021	4.37118	6.4057	5.92336	6.02997	5.9025	6.11372	7.23209
TEC	2.94778	3.38769	2.74259	3.1203	2.76484	2.88086	3.14316	3.56906	2.86093	3.25068	5.24464	2.63249	3.02655	2.88516	3.18863	3.70541
TECPR1	8.217	8.24933	7.62564	8.23881	6.92098	7.04994	6.62771	7.80622	7.41405	8.25798	8.15584	7.94585	7.5148	7.2218	7.798	7.90171
TECPR2	7.11602	7.02199	6.87697	7.02998	5.0094	6.84655	6.75341	7.24192	7.10661	7.78913	6.63967	7.10605	5.26908	6.72148	6.52859	4.74151
TECR	8.02241	7.88036	7.59595	7.57023	7.73231	7.34612	7.88653	7.3443	7.96758	8.18026	7.00737	7.82446	6.43957	6.90303	7.25444	7.77756
TECRL	1.50761	3.01952	1.62051	0.47227	-1.1312	1.85868	2.39011	4.03916	0.69487	0.85718	1.20713	2.46803	0.57957	2.88516	1.08679	1.21992
TECTA	3.82197	4.53976	3.5613	4.2251	3.67703	3.74409	2.29889	4.50434	4.27879	2.78532	3.9922	3.33257	3.18813	3.89495	2.60906	3.98497
TECTB	4.72849	4.68339	6.08253	5.12521	6.53414	6.14856	6.21417	7.11951	6.08585	5.8969	6.35993	4.93488	5.438	5.91118	6.53093	5.16578
TEDDM1	2.27273	4.40668	5.32774	5.51387	4.33348	4.00784	4.50617	6.30699	5.27854	5.63576	3.72995	4.32878	5.91749	4.92635	4.63704	4.71816
TEF	4.58588	4.36824	4.56757	4.02254	4.19447	4.22389	3.75859	4.03607	4.37264	4.35515	4.10265	3.98554	4.06086	4.3125	3.72029	4.03198
TEFM	7.50132	7.61185	8.19323	8.30848	7.36657	8.06643	8.42856	7.7461	7.51973	7.28271	7.79416	8.16319	7.1503	7.26291	7.64121	7.68546

TEK	6.67871	7.14234	7.73373	7.56811	7.04341	7.37813	6.08756	8.2033	7.01358	7.45844	7.42469	7.72953	6.52664	7.00686	7.51567	7.40489
TEKT1	9.07296	7.28538	5.42722	8.61068	2.9933	4.47194	3.71929	3.53745	6.8319	3.83015	3.80883	5.52528	2.49591	3.8419	3.23099	3.40822
TEKT2	9.07809	6.29363	2.17949	7.74542	5.59723	3.0658	1.91146	2.17246	4.63412	2.31329	3.19795	2.64907	2.66449	3.31071	3.17223	2.4366
TEKT3	4.45264	3.52573	2.85145	5.00785	2.53024	2.60961	2.27576	2.37778	3.35168	3.26858	2.50161	3.38388	2.49591	1.72157	2.1886	2.71584
TEKT5	2.18677	3.18458	3.3621	2.76765	2.88154	2.52697	3.06811	2.44603	3.34284	2.87411	2.89103	2.7762	3.76228	3.20458	2.40629	4.56594
TELO2	7.57594	7.45485	6.68978	6.98662	7.23328	7.13792	6.94742	7.39921	7.44259	7.4801	7.20502	7.92881	6.05798	7.74052	6.92499	7.23263
TENC1	7.14191	7.00096	6.88386	6.10744	7.14827	7.01856	7.13203	7.3119	6.8336	7.58901	6.30364	7.04441	7.09477	7.25914	6.72174	6.70315
TENM1	4.23866	4.23043	4.21802	3.5404	4.97201	4.19998	4.7593	3.69964	4.08929	4.52326	3.86942	3.38837	4.10904	5.02925	4.94105	4.28461
TENM2	7.91273	7.84333	9.43955	7.56648	7.96128	6.82348	9.9517	7.94991	6.54488	6.22203	7.87706	8.83478	9.03764	8.58859	7.93038	6.79541
TENM3	4.53994	5.08048	5.33796	4.87494	4.7747	5.00482	4.8246	4.83812	5.45472	5.11285	5.13399	5.63541	5.26828	5.67071	5.25825	5.35145
TENM4	7.25783	7.04107	7.26232	5.34279	7.82828	7.5588	7.13203	7.09511	7.04207	7.18371	6.58787	7.53313	4.46842	7.51651	7.11869	6.66264
TEP1	4.56634	5.69472	5.41981	5.41177	5.67968	6.0376	5.23459	5.32756	5.324	5.26864	4.99636	5.16028	4.68339	5.06879	4.97169	4.85676
TEPP	2.65839	3.20291	1.79898	2.4789	1.26539	1.68859	1.54854	2.78286	1.63986	2.88148	2.34474	2.53152	1.29724	2.01506	1.4899	2.04035
TERF1	7.48719	7.67064	7.95203	7.74479	7.70966	7.85105	8.32816	7.80198	7.60613	7.55453	7.5431	7.48264	7.69886	7.94023	8.0016	7.94991
TERF2	5.14329	5.59792	5.50938	5.05653	4.98389	5.19773	5.21576	5.46231	5.48686	4.8435	6.08635	5.74785	5.59319	5.09372	5.74127	5.80803
TERF2IP	9.41034	9.28207	9.54173	9.94429	9.54485	9.24623	8.53486	9.69447	9.47897	9.73939	9.12237	9.38907	8.92473	9.50195	9.65415	9.22273
TERT	4.52911	4.35606	4.24274	4.91034	4.82105	5.04051	5.01256	5.30826	5.10822	4.18876	4.6981	5.15365	4.72336	4.47148	5.17386	4.23458
TES	6.83876	7.00837	7.37425	7.52956	7.07869	6.78662	7.58505	7.10583	7.17804	6.83716	6.75751	6.98197	7.57964	6.70042	7.40184	8.22214
TESC	4.83168	5.15387	5.0014	5.00506	4.33795	4.30558	5.81272	5.26698	5.16837	5.14817	5.59669	4.85088	5.09784	5.57129	4.62138	5.81672
TESK1	5.3528	5.30505	3.807	5.04627	5.78152	5.71671	6.23636	4.97563	6.32121	4.52838	5.11801	6.53931	4.83558	4.32699	4.70419	4.63943
TESK2	7.56081	7.9133	7.14896	8.0157	7.81701	7.78519	7.65049	8.38967	7.73373	7.05684	7.36235	7.82907	8.55255	7.05075	7.89679	7.72841
TESPA1	3.13529	4.63084	4.12996	2.91334	4.63727	4.23617	4.53148	4.22596	4.80946	2.59761	4.25853	5.54788	3.63165	4.39917	4.86237	3.41453
TET1	4.37472	3.16637	5.20817	2.12186	4.5743	5.50567	3.77935	4.98541	5.57038	4.25792	4.48301	2.41615	5.87873	5.17875	6.04747	5.74894
TET2	4.94967	5.15954	5.37003	4.83573	5.10351	5.10007	6.07557	4.60801	5.11427	5.4639	5.05901	4.21327	4.83726	4.84645	5.31378	5.51387
TET3	4.95724	5.0217	4.75315	5.27686	5.74024	5.46277	5.7102	5.3795	5.57283	5.11832	5.94337	5.01656	5.57458	5.97806	5.65222	5.75276
TEX10	7.39378	7.93534	7.68291	7.51436	7.73582	8.04634	7.48719	8.01606	8.04765	7.41697	7.55413	7.39378	7.66097	7.68328	7.48101	8.02057
TEX101	4.43162	4.7289	5.23257	4.00732	6.76818	6.19141	7.62599	3.84143	6.47506	7.14818	5.14516	4.67459	3.43133	7.23174	7.39559	4.05789
TEX11	3.07311	3.33071	3.63165	3.51927	4.23521	3.44273	3.95789	4.6025	4.18123	3.74113	5.4303	3.82991	3.87736	2.98506	4.23895	4.97034
TEX12	2.04089	2.72769	2.35871	2.22193	2.44843	1.59197	2.75954	2.30474	1.69898	2.57765	1.41342	1.2545	2.17097	2.68036	1.35876	2.61375
TEX13A	2.78067	2.31418	3.49162	3.30714	2.98792	2.84726	4.01206	3.40648	1.7948	4.15877	3.75611	3.24748	3.55262	3.93204	2.77128	3.40306
TEX13B	6.31876	5.82453	6.24827	6.1566	4.14049	5.57868	5.2912	5.89776	5.8292	5.8969	5.49848	5.23859	5.99786	6.19445	4.75447	5.57083
TEX14	4.59992	5.72298	5.34226	5.36713	5.69186	5.33083	4.18377	5.31891	6.22381	5.51925	5.67804	5.57026	6.08394	5.44248	4.6804	5.8034
TEX15	3.92393	3.3742	4.1352	5.16078	4.81378	4.96224	4.40557	3.52918	2.10775	4.8246	3.25017	4.29893	4.9537	3.85966	4.42592	4.34723
TEX19	6.45334	6.5773	6.81862	6.80432	6.69747	6.64239	6.55901	6.79501	6.02598	6.6317	7.03954	6.694	7.01622	6.71275	5.73768	7.1234
TEX2	7.64347	7.39005	7.28524	7.00465	7.15366	7.84964	7.97085	7.12732	7.44928	8.15007	6.6314	7.18935	7.27062	7.45093	7.29882	7.61541

TEX22	6.72801	5.30145	6.24827	6.01875	6.34969	5.43973	6.79557	6.26403	6.1047	4.60176	6.36493	6.86826	6.75319	5.69822	6.14947	6.19907
TEX26	7.34733	6.2003	3.16713	6.7438	3.62835	4.44183	4.64688	5.27102	5.58889	3.13394	4.91999	3.25228	3.0877	2.68036	4.96683	5.09318
TEX26-A	4.55111	5.01734	5.19435	4.81256	4.91924	4.89312	5.49394	5.31252	4.31918	4.27754	4.38855	5.24647	4.389	4.77053	4.42144	5.82053
TEX261	6.86138	6.68416	6.2051	5.61104	6.1481	6.22736	6.2968	6.8205	6.46341	7.54819	6.94762	6.8319	5.8913	6.30852	4.9034	5.42007
TEX264	6.88372	7.41663	5.64024	5.97818	4.82056	6.23462	3.89749	3.6241	5.55891	6.83474	7.39264	7.7985	6.01167	5.08327	3.69259	6.30709
TEX28	3.82982	4.16994	3.61284	4.74107	4.05118	3.52398	5.04372	4.60422	5.32306	3.2328	3.20659	4.12427	4.89893	2.65463	3.60386	5.32654
TEX29	2.53024	2.01809	2.91679	2.28551	3.35289	2.42212	3.47278	3.67908	2.39727	2.31329	2.93839	2.41615	2.46016	2.41572	2.94685	3.01871
TEX30	3.72099	5.1248	6.13526	6.48178	6.74406	6.16481	7.22727	4.16157	4.43996	5.2129	7.52708	6.21882	7.05075	6.90197	7.57667	7.03627
TEX33	2.13523	1.88256	1.52785	1.96731	2.85371	2.11228	1.80024	1.67907	1.00765	1.87612	1.67696	1.59868	2.13674	1.4403	1.31925	2.99971
TEX35	4.92233	4.64949	4.33416	4.58588	3.76997	5.88087	4.81992	4.88503	3.57258	4.16253	4.85938	6.25077	5.84353	4.68646	4.76672	5.03019
TEX36	2.96659	2.53824	3.28947	2.81334	1.69898	4.03667	3.64382	3.25357	2.35886	3.74711	3.60024	3.0573	3.65598	2.68036	1.94998	4.85101
TEX36-A	4.8012	3.99153	1.92303	4.25148	2.68714	4.34547	4.91176	4.34289	4.93727	4.7154	3.87668	2.2743	1.35312	4.33558	2.10058	3.82879
TEX37	5.12745	3.9717	3.82769	3.79536	3.0533	3.76182	4.25043	3.74908	5.37062	3.80685	3.3963	3.57258	3.8683	5.60451	3.23099	3.93004
TEX38	5.25618	4.61934	5.62378	4.89377	5.51128	5.63393	5.52799	5.7092	6.13643	3.3263	0.81405	5.8105	6.11583	5.52908	5.73121	5.14155
TEX40	6.17104	6.57598	6.6373	6.63879	4.33348	6.51425	6.57501	6.95458	6.77908	5.67897	6.5801	6.73581	6.8334	6.37445	6.9154	7.02957
TEX41	4.80682	6.73647	4.60832	5.96999	4.47624	3.79752	4.81522	3.53745	5.36067	5.85517	3.88263	4.71106	4.2307	5.84235	4.19913	3.44273
TEX43	5.38528	3.83303	3.44341	4.9654	5.40426	3.01096	4.98886	4.80693	4.74411	5.36306	5.05683	3.72982	5.53039	4.51021	5.13206	5.29354
TEX9	6.52709	4.87023	4.89207	6.3569	5.29383	5.08724	5.80414	4.57597	4.88429	5.33875	4.32178	4.81597	5.67221	5.04479	5.59149	6.03368
TF	5.6046	6.45975	7.6884	5.54011	4.6945	4.49669	4.37613	4.03485	6.07538	8.21397	5.0902	4.87525	3.95179	5.27575	4.51349	4.64535
TFAM	6.33407	6.59764	6.45463	6.50491	5.63452	6.4977	6.19068	6.63803	6.26621	6.08225	6.4899	6.11953	6.92074	6.69	6.43979	5.99268
TFAP2A	5.50719	4.6316	4.25735	4.28253	5.56557	5.22818	5.35829	5.88049	4.94105	5.14034	5.04171	4.57499	5.69581	4.46232	5.59486	4.82081
TFAP2A-	5.53516	5.40477	6.03664	6.18679	6.62269	5.89465	5.99641	6.37481	6.20086	5.93937	5.15911	6.15224	6.04465	6.31578	6.24509	6.59954
TFAP2B	4.29049	5.13292	3.19866	4.09669	4.78069	4.33587	4.29394	4.69384	4.65553	5.70866	4.78876	4.26239	3.83593	4.53734	4.08527	4.90106
TFAP2C	5.62533	5.63906	5.12795	5.03773	5.35628	5.28856	6.45669	5.29383	5.46739	6.39257	5.41012	4.48532	5.88699	4.89629	5.03761	5.14368
TFAP2D	6.52323	5.81725	6.37566	4.69119	5.24068	6.83501	6.47874	6.1296	5.6426	3.7682	6.23371	5.72192	5.29339	6.10593	6.54712	6.5885
TFAP2E	7.05458	7.4913	7.72774	7.64378	7.21883	6.78227	7.54204	7.79439	6.76316	6.44639	7.55319	7.20579	7.5049	7.47229	6.95659	6.79993
TFAP4	5.24859	3.93772	3.55141	6.38687	5.78602	5.55549	4.32228	4.25669	4.83468	6.25838	5.78351	6.14411	4.55949	5.32594	5.36321	6.03639
TFB1M	6.89454	6.5877	6.2673	6.08422	6.50281	6.8519	6.52193	7.30666	6.26587	6.48214	6.10003	6.77286	6.11415	7.35509	6.7877	6.4523
TFB2M	3.91425	4.15938	4.12088	3.87292	3.71265	4.54977	4.15633	4.52188	3.81899	4.41644	4.03231	4.54368	4.33436	4.25565	4.5681	4.15084
TFCP2	7.48608	6.36589	7.10353	6.92356	8.15094	7.19373	7.69946	6.8352	7.48493	7.38264	7.19719	5.67812	7.11366	8.00348	7.49041	7.42706
TFCP2L1	6.60204	5.23842	5.49394	5.71171	5.20862	4.82325	4.51992	4.80979	5.10572	6.95042	5.03273	4.96316	4.84732	4.22158	4.80236	4.82888
TFDP1	5.58778	5.98336	5.61759	5.25231	5.56581	5.74628	5.95187	6.12073	5.59425	5.4025	6.43347	5.70264	5.85616	5.51802	5.76118	5.68058
TFDP2	6.40117	6.49283	5.81346	6.36201	6.82812	6.42215	6.69244	6.96616	6.5687	6.43834	6.05028	5.6836	6.63311	6.38732	6.30433	6.53843
TFDP3	2.65839	2.74824	1.95191	3.04143	2.44843	3.27349	2.58845	3.06557	2.53538	2.88148	2.79035	2.63249	2.62575	2.72254	2.50999	3.23061
TFE3	6.23007	5.75337	5.60857	6.01587	6.52099	5.98945	6.75934	6.25466	6.45085	6.12018	6.21776	6.15738	6.00566	6.59764	6.38034	5.4585

TFEB	7.19165	7.5063	6.42316	7.37333	6.54354	7.00403	7.19839	7.29026	6.78513	6.52048	7.22086	7.47109	7.16687	5.56798	6.52006	5.75308
TFEC	4.32015	6.19445	6.7918	6.0522	6.49574	6.3346	4.73428	6.43896	6.9595	4.87525	7.37266	4.70305	6.45737	5.39225	5.84069	6.45561
TFF1	9.46135	8.20672	8.19393	9.65751	6.96029	7.0468	6.81119	7.60563	7.81549	11.9171	6.81306	7.96996	7.46529	6.91562	6.76704	7.34905
TFF2	5.49125	6.22183	5.10329	5.31891	5.00222	5.43669	3.91631	5.31891	3.88943	6.92511	3.29289	5.56476	5.04222	5.34487	6.04747	4.37747
TFF3	12.4159	11.2398	10.7062	11.5206	5.11666	6.45345	6.68235	5.74316	8.50078	12.5715	5.87957	10.4318	7.69268	8.43478	3.88656	5.43914
TFG	5.7512	5.37219	6.3827	5.7905	5.79795	5.15451	5.94456	6.04417	5.89223	5.49685	5.97268	6.03712	5.27718	5.59274	6.08394	6.06691
TFIP11	6.94927	6.35993	5.82281	6.60293	6.65377	6.94306	7.18251	7.15303	7.08687	5.79645	7.20629	7.19982	5.41573	6.7305	6.77043	6.70511
TFPI	5.57458	6.31896	6.75635	5.38032	7.12462	6.55936	6.63624	7.16078	4.84861	5.77633	5.6314	5.11956	5.49338	6.11348	6.24136	7.81085
TFPI2	2.48475	4.14331	3.06604	3.49231	3.8806	2.50161	3.96745	1.85273	3.53502	2.33582	4.84684	1.27761	2.63503	2.64224	3.02655	2.95335
TFPT	6.84551	6.94544	7.03614	7.20992	7.21844	7.51144	6.25794	6.60003	6.93568	6.73719	7.45547	7.80711	6.82036	6.67107	6.18897	5.81021
TFR2	4.22285	5.1928	5.05302	4.58384	4.84181	5.45154	6.31936	5.44248	4.86562	4.75563	5.43934	5.88528	4.62158	5.92656	4.80292	5.15076
TFRC	6.73791	6.5358	6.86411	6.28672	6.92419	6.61924	7.49279	7.46791	7.41939	6.05504	6.18294	6.70561	6.88215	6.57275	7.01125	7.04312
TG	6.14375	6.2801	5.95819	5.28175	6.92582	6.86019	6.70448	6.99367	6.69926	6.43984	5.16821	6.98952	6.47236	7.62491	6.40392	6.60618
TGDS	6.12624	6.43229	6.39462	6.51929	5.86603	6.56431	6.02327	6.2395	6.1633	5.54831	6.5982	5.12745	6.01665	6.30626	6.22582	6.36727
TGFA	4.70238	4.82105	4.53835	4.88247	4.63296	4.83573	4.91054	4.33825	4.56273	4.80874	5.00585	4.24836	4.53148	4.27152	4.17869	5.16049
TGFB1	4.14617	3.8854	4.62548	3.78013	4.32214	4.43705	4.44094	2.97414	5.13166	4.574	3.01995	4.27381	4.03747	3.19037	4.11765	4.9311
TGFB1I1	6.95437	4.91805	6.91031	6.84306	6.55019	7.35897	6.2519	7.19055	6.34176	8.64201	7.24216	6.98515	6.20745	6.84306	7.21863	6.04232
TGFB2	4.59114	5.1725	5.22658	4.61047	5.29354	5.49803	5.35839	5.50058	4.73468	5.35991	4.64669	5.2742	6.02426	4.90215	6.03368	5.89619
TGFB3	3.78428	5.75916	6.48825	5.31219	6.04656	4.74067	5.40574	5.79101	5.44301	5.43076	5.36506	5.01689	5.44224	5.79752	5.52553	6.25491
TGFBI	8.42736	9.30916	10.2374	9.23779	9.79127	10.4094	10.2856	10.4068	10.149	9.55522	10.0139	9.81254	8.76808	10.1309	10.1211	9.03623
TGFBR1	5.34226	5.82012	6.44232	6.08635	6.53856	6.37657	5.796	6.48699	6.58787	6.38973	6.64348	5.27456	5.34251	6.06475	6.45489	5.48909
TGFBR2	5.87081	7.37662	6.41038	6.52754	6.44198	6.54472	6.18294	7.60958	6.74459	6.83262	7.73468	6.13872	5.66963	6.02997	6.52517	5.96127
TGFBR3	8.20866	7.49457	8.46911	7.99888	6.76041	8.41228	7.36913	7.43728	7.51214	10.7062	7.50555	7.82305	5.60091	6.53433	7.2508	6.79607
TGFBRA	5.07878	5.2705	5.60724	4.97776	5.63587	4.65852	5.63228	5.18587	5.48427	5.25162	5.34266	5.29733	5.65222	5.77556	5.69964	5.61679
TGIF1	6.34101	6.69916	6.59858	6.79668	5.60685	5.87114	6.55951	6.29785	6.41254	5.56894	6.24242	6.00366	7.00437	7.00489	5.62722	6.79668
TGIF2	6.60418	7.26423	7.06035	6.97418	7.2857	6.30176	7.25116	6.65043	7.16436	6.78245	6.6127	7.3706	7.89413	7.39533	7.03265	7.55386
TGIF2LY	6.0458	5.92887	5.75259	6.07272	4.37803	4.92233	5.81987	4.89413	5.87249	5.53181	5.66318	4.85676	6.30234	6.29144	5.3608	5.52251
TGM1	4.86397	4.2388	4.98606	3.52553	3.10976	4.11531	5.02086	4.2959	3.25201	3.91319	8.43237	5.32102	3.25147	3.62944	2.49591	3.90548
TGM2	5.69186	5.915	6.03625	6.40185	4.82763	5.1964	5.41945	5.52799	6.01609	4.83511	6.58393	6.47672	5.0902	4.95496	4.874	4.76901
TGM3	5.08775	4.81438	3.85298	4.60376	3.94739	3.76182	3.92606	4.38366	4.01633	4.41983	5.99489	2.91196	3.84364	4.21305	4.20556	4.04867
TGM4	3.67421	4.29343	3.20944	4.15464	5.11909	4.48511	4.31993	4.50668	5.5046	4.9633	4.66254	4.16905	3.75445	4.53029	5.01027	5.17818
TGM5	5.01851	5.2325	5.9313	4.91294	5.09145	6.90643	6.73346	6.87168	4.66437	6.44498	6.57409	5.68015	6.62279	5.39607	5.50672	4.74345
TGM6	3.91761	4.65943	5.05099	4.80453	4.80222	4.4107	3.73393	5.12208	4.13584	5.12708	4.02808	4.81149	4.30438	5.12155	4.78568	5.03019
TGM7	4.07206	3.67703	3.25331	3.24321	3.30882	5.49927	2.58845	3.50531	4.26581	3.39891	4.47807	3.04581	3.34323	3.85416	2.63378	3.07505
TGOLN2	8.11688	7.79105	8.27589	8.217	7.21066	8.14486	8.56834	8.03137	8.22106	8.3403	7.69422	8.03646	7.07685	7.5219	7.91573	7.7196

TGS1	6.16152	6.08864	6.48172	6.87216	5.79626	7.19947	8.15253	6.03781	6.83067	5.38261	6.50381	7.06945	6.86908	6.58244	6.54574	6.83449
TH	3.6565	3.53745	4.60079	3.04143	4.87415	3.67619	4.11808	4.82189	4.94929	3.95892	5.02998	3.21231	4.12996	3.8419	2.49591	5.25333
THADA	4.43729	4.07136	4.19903	4.17998	4.74354	4.22534	4.65169	4.31993	4.55918	4.06207	4.95161	4.40173	4.31594	4.49209	4.80626	4.65539
THAP1	5.93982	6.11947	6.87369	6.73498	7.47156	7.40732	6.53759	5.54537	6.55232	6.78541	7.10661	5.09784	6.88982	6.01167	6.13977	6.68871
THAP10	7.57865	7.57624	6.0743	7.42325	6.69878	7.34542	8.32756	7.31058	7.4825	6.3127	5.82134	6.3295	7.40525	7.68272	7.04141	7.21844
THAP11	7.89942	8.68868	8.26814	8.76878	8.61369	8.23177	8.17017	8.88182	8.91818	8.68454	8.37315	8.69356	8.84571	8.87472	8.36393	8.55161
THAP2	4.9146	6.09644	5.72052	5.63887	6.70411	6.33083	6.14843	6.11906	5.82698	4.72939	5.20936	5.0244	5.99397	6.01522	6.27668	6.89099
THAP3	5.64905	6.07229	5.58748	5.64598	5.93689	5.74722	4.9251	6.3909	5.04151	5.23799	5.13629	6.13852	5.8521	5.77186	5.71634	6.28689
THAP4	7.33179	7.52561	5.86472	6.84248	6.83752	7.35747	8.27879	7.65275	7.65419	6.18181	6.93537	7.6668	7.7737	7.95464	8.11303	7.79201
THAP5	6.83419	6.75319	7.13187	6.41213	7.35698	6.81398	7.11036	6.73353	6.92986	6.79512	7.03653	6.8608	6.6174	6.72473	7.05342	7.43254
THAP6	6.16524	5.79149	5.73055	6.10124	5.96539	5.72333	5.7276	6.19879	6.01229	5.809	5.53386	5.77322	6.24092	5.63956	6.17896	6.3978
THAP7	7.5573	7.06232	7.75146	7.08088	7.99783	7.46409	7.95029	8.55357	7.73373	7.24855	7.17031	8.29592	7.64031	7.13071	8.33571	7.92801
THAP7-A	3.4933	4.70148	2.92993	3.31951	2.92732	3.19822	3.69299	3.28	3.29722	3.12101	3.27101	3.28662	5.33652	2.58856	3.39239	4.52134
THAP8	5.69729	5.95677	4.68542	5.42404	4.97974	5.84203	5.58532	6.62089	6.35794	6.15426	5.51451	5.94963	6.03144	6.29625	5.96919	5.96359
THAP9	5.27924	5.38659	5.82956	5.54441	6.41846	5.42833	5.129	5.88528	6.1275	5.66502	4.79562	5.33296	5.35722	4.49934	5.75337	5.3422
THAP9-A	7.40507	6.49434	7.42514	6.51208	8.2871	7.30649	5.83208	6.4995	6.32121	7.38042	6.91061	6.70196	8.14326	8.26381	8.19059	8.43537
THBD	5.16028	5.84362	6.4043	5.17349	5.44592	6.27066	5.91698	5.4433	6.22105	5.76151	6.95233	5.26149	5.00238	6.4743	5.80526	6.25817
THBS1	3.82587	4.5207	4.62955	3.65785	4.04754	4.40218	4.00266	4.70049	5.16359	5.45206	5.83063	4.11284	4.25938	4.22771	4.01284	3.94783
THBS2	8.09094	6.28305	9.42357	6.36695	9.59094	7.85853	7.54662	9.12492	7.75876	7.96472	8.51477	8.39725	7.74992	7.86145	9.59094	8.05022
THBS3	7.15518	5.53829	7.32622	5.75909	7.22711	6.41941	6.48329	5.26099	6.88127	7.76799	7.18221	6.87053	7.02171	6.91633	6.9463	7.23877
THBS4	3.75698	5.91306	5.64411	3.08274	7.18753	6.78398	7.83101	6.9078	6.38596	7.29931	4.01138	5.67663	6.80762	8.17363	6.5839	6.63564
THEG	2.08404	2.10562	2.50291	2.92162	4.21316	1.95254	1.85693	2.64349	3.40648	2.61134	2.04035	2.73426	2.23314	2.93125	2.23945	1.58847
THEG5	3.00675	4.96244	5.20628	3.42644	3.33875	3.83233	2.81469	3.66599	3.35168	3.98113	3.63292	3.07028	3.03764	3.31071	2.84494	4.07967
THEM4	5.68755	5.98807	6.14424	5.84548	6.45463	5.49545	5.49741	5.6286	6.30958	6.34906	6.68251	6.58666	5.14478	6.02751	5.66492	6.81398
THEM5	4.1934	3.81549	4.72058	5.34551	4.648	4.26501	5.30403	4.94439	3.88943	5.01	4.42745	4.98318	4.44582	5.01656	4.81782	4.76479
THEM6	5.80692	5.98895	4.49114	5.96025	5.89886	5.54219	6.25521	5.78534	6.52645	5.20259	5.42382	5.6367	6.61504	5.89027	6.03567	6.846
THEMIS	4.81338	5.96497	7.5326	7.30035	7.47229	5.61352	5.21484	6.03089	6.71031	3.5789	7.30355	5.17489	6.80682	4.97988	6.91061	6.74459
THEMIS2	5.52677	7.59541	7.99046	7.07111	7.34936	7.17043	6.51508	7.47747	7.79159	6.57401	8.38627	7.78725	7.35652	6.67421	7.55999	6.75167
THG1L	7.21523	7.86057	7.97302	7.77632	7.67544	7.54909	7.629	8.12753	7.65049	7.44698	7.55173	7.72648	7.74071	8.56536	7.46017	7.85122
THNSL1	6.19736	6.00101	6.0632	6.01803	5.06381	6.27927	6.90468	6.69536	6.0437	6.09675	4.89553	6.15395	7.16285	6.81521	7.00326	7.24537
THNSL2	6.72553	6.24242	5.49443	6.26444	6.3843	6.03205	6.29208	6.29873	6.23007	6.4564	5.76856	5.99489	6.69077	6.44872	5.73636	6.86762
THOC1	8.63238	8.37443	8.47869	8.19842	9.19438	8.91873	8.75966	8.51522	8.8558	8.61743	8.10408	8.55961	8.07912	8.8088	7.64872	8.73084
THOC2	7.48777	6.91463	7.84223	7.67654	8.06572	7.78783	8.52003	8.00923	7.58505	7.24262	7.2916	7.17866	7.41697	7.32176	7.68418	7.63966
THOC5	6.20437	6.85972	6.5318	6.96543	6.91944	6.96523	7.41994	7.03226	6.62601	6.40793	7.08674	7.00137	5.93081	6.75819	6.77286	7.03173
THOC6	2.27273	5.38965	4.44205	4.61163	5.88552	3.09851	2.90726	2.49961	5.25322	3.73393	5.8864	6.20003	3.03764	5.46025	4.82547	5.09318

THOC7	9.04765	8.9973	8.51154	9.02956	8.67223	8.59875	9.57819	9.60059	8.97353	8.70013	9.56807	9.26858	9.69447	9.2421	9.21594	10.1088
THOP1	5.71671	5.86819	3.49445	5.59384	5.83462	6.22827	5.97229	5.04171	4.72987	5.63112	6.28902	7.03494	5.82322	6.99559	5.09413	4.92816
THPO	4.008	3.73511	4.24304	3.82085	3.99858	3.38468	4.56661	3.26373	5.16659	3.82473	5.1163	3.8085	3.43881	2.91513	3.82899	3.88045
THRA	5.30548	5.41573	5.60835	5.3654	4.75435	5.74238	5.79198	5.85731	5.63228	4.71689	5.48041	5.6175	5.37776	5.40444	5.54309	5.4703
THRAP3	4.89403	4.08503	4.37224	4.87334	4.13924	3.99526	4.44653	4.56679	4.94502	3.87618	4.36262	3.96018	4.29709	3.82745	4.28727	3.98702
THRB	6.58264	6.46578	6.47754	6.57234	6.34393	6.24681	6.31477	4.94172	5.78123	6.96795	5.94368	4.26713	5.00815	6.03144	6.27322	3.86261
THRSP	4.60868	4.40873	3.8954	4.37481	4.33027	3.84953	3.9561	4.52387	3.89887	4.74336	4.8875	4.31046	4.35735	3.93018	4.27105	3.89015
THSD4	5.28736	4.67088	4.88265	5.06879	4.46039	4.97034	4.57949	4.58277	4.27298	5.67691	4.41781	4.9633	5.16778	5.39763	4.05376	4.66774
THSD7A	4.65034	5.31683	5.78092	4.69482	2.7762	5.07648	3.59924	4.60263	3.64514	5.52577	4.89829	4.04638	3.06407	3.33935	5.13064	3.34753
THSD7B	4.67215	4.80979	6.55112	5.77375	5.83462	7.90695	7.76388	3.91364	6.01437	5.28156	4.52313	5.74275	7.10697	4.15245	7.30333	4.887
THTPA	6.86696	6.62481	6.53633	7.55185	7.28473	7.15413	6.63097	8.23922	7.47911	7.1399	6.82523	7.64096	7.70895	6.30722	6.9622	7.48101
THUMPD	8.2586	7.92662	8.48593	8.10571	7.52731	8.45826	7.12084	7.72117	8.55042	8.54172	8.0026	7.88396	8.1889	7.5808	8.23492	7.7485
THUMPD	6.25948	6.75284	6.99869	6.11947	7.51694	6.87666	7.03311	6.06247	6.73451	6.65583	6.93418	6.62819	6.90726	6.61308	6.95361	7.87248
THUMPD	6.49439	6.3204	7.06144	6.74325	7.18251	6.5312	7.54421	7.16382	6.84862	6.6798	6.86811	6.34657	6.417	6.29513	6.64819	7.04028
THUMPD	6.89588	6.9634	6.86932	6.84693	7.16305	6.60329	7.3425	7.58702	6.75906	7.39688	7.0242	6.3768	6.7557	6.77758	6.81999	7.30666
THY1	5.48981	6.64819	7.03131	6.59548	7.44601	7.73582	7.43362	7.60189	6.2716	6.12523	6.16601	8.0931	7.28407	7.14896	7.78755	7.22234
THYN1	8.10655	8.32009	7.88746	8.45696	8.10362	7.95572	7.97582	8.41149	8.10743	7.86725	8.02825	8.06529	8.48257	7.80696	7.72117	8.27303
TIA1	7.20891	6.64978	7.18517	7.08796	7.7642	7.44137	7.52046	7.12575	6.8874	7.01338	7.05601	6.6495	7.67681	7.01754	7.16305	7.80622
TIAF1	5.04458	2.34474	4.39825	4.56179	4.38405	6.18539	6.07864	6.35819	5.91108	3.29126	3.80883	5.57353	5.34576	4.82245	4.6804	5.79273
TIAL1	6.57488	7.01379	6.89693	6.53673	6.78968	6.52602	5.79898	7.22574	7.01562	7.02532	6.65137	6.45428	6.24386	6.70802	6.80563	6.75189
TIAM1	6.38382	6.7418	6.73729	6.9718	7.19897	7.92634	7.74711	7.42325	7.28595	6.12925	7.09619	7.58615	7.2038	7.14036	7.09026	7.89504
TIAM2	4.9646	5.30419	4.90933	4.52451	5.36401	5.72779	4.77548	5.24618	5.42673	4.95395	3.84116	4.9277	4.36522	4.55379	5.6503	5.15451
TICAM1	6.78913	7.50708	7.32272	7.46455	7.04994	7.55559	7.39456	7.38556	7.29931	6.99294	6.79829	6.55434	6.86811	7.25283	6.96393	7.32427
TICRR	5.10007	5.15429	4.8846	4.45971	4.83683	5.39886	5.20628	4.978	4.70214	5.55944	4.63436	5.29087	5.31659	5.13232	5.25807	5.57898
TIE1	3.8085	2.03693	4.1603	3.53187	4.5294	5.25162	2.89534	4.36033	3.61778	3.87488	4.88936	3.55864	2.12466	3.89091	3.68301	3.46198
TIFA	6.70155	6.74019	6.88541	7.00026	7.91692	7.39238	7.58424	6.73937	6.68135	7.29564	7.81607	6.68251	7.43085	7.1961	7.49719	7.05342
TIFAB	5.99359	7.03506	6.95968	7.25476	6.67527	7.41172	5.49899	7.98889	7.09549	5.06097	6.21688	7.42791	7.80818	6.53395	7.46892	7.31017
TIGD1	6.35027	5.37759	5.45637	5.59669	7.16995	6.25296	6.27516	6.30382	6.77204	5.66263	5.9736	5.12344	7.08341	5.97064	6.22039	6.81012
TIGD2	7.66991	7.87143	7.67469	7.82939	8.37595	7.82993	8.14931	8.36259	8.34589	8.36277	7.71977	7.75523	8.40588	8.18643	7.75932	8.4587
TIGD3	3.9591	5.45949	5.61659	4.19971	5.12769	4.33729	3.31153	5.30554	5.36067	2.91059	5.21362	5.98491	5.08852	4.04773	5.30736	4.32063
TIGD4	4.71235	3.92314	4.38323	4.52793	4.2445	5.06976	4.12326	5.44093	4.13181	4.82616	5.23301	4.34703	5.21203	4.97295	4.53148	4.01473
TIGD5	6.50961	6.48861	6.02133	6.36158	5.48441	7.36252	6.66184	5.62022	5.45949	6.04533	6.07381	6.90596	7.52498	7.52405	6.44172	6.19135
TIGD6	6.46142	6.40851	6.55112	5.7533	5.77673	5.98542	5.70907	6.23507	5.87771	6.01426	5.84336	5.58101	6.3799	6.08363	5.72382	6.53318
TIGD7	7.01023	5.74585	7.05342	6.63039	7.34444	5.6426	4.70049	6.78466	6.29893	6.62218	5.66899	5.78287	5.4309	5.1339	6.05903	5.30361
TIGIT	2.88015	3.20291	7.35149	6.54028	7.44207	7.65739	5.29633	8.17146	8.01968	2.80132	6.64277	7.7621	7.64701	6.24787	7.40281	5.37729

TIMD4	4.45264	5.96723	3.14177	5.49184	3.98376	6.46938	3.25433	6.1296	4.55668	3.91319	7.04769	4.20947	7.03457	4.86024	4.71918	5.56832
TIMELES	4.98558	5.39676	5.45483	5.34717	6.1861	6.50001	7.32679	5.65354	6.50796	4.17667	6.36353	5.47117	5.55505	6.2807	4.88779	5.59554
TIMM10	8.07048	8.81055	8.16792	8.47782	8.67987	9.46488	9.57352	9.01248	9.54001	8.38038	9.4359	9.91866	9.50452	9.13461	7.37305	8.77496
TIMM10I	8.50644	8.15094	7.95275	8.32463	8.16934	8.64502	8.09031	8.84082	8.68337	8.60447	7.61764	7.78656	8.07142	7.33274	8.30243	8.08258
TIMM13	6.27556	5.93577	5.50686	5.46805	6.14455	6.38596	7.39834	5.31934	5.16345	4.71959	7.07143	6.35878	6.69641	6.66684	5.51713	6.71442
TIMM17A	6.59992	6.9358	7.69972	7.15001	7.327	6.35027	6.85775	7.66306	6.4906	7.58033	7.63559	6.96017	7.40625	6.62914	7.36788	7.68776
TIMM17I	6.05873	6.13485	5.78073	5.84212	5.30988	6.4202	5.60235	6.02379	6.07349	6.3948	6.30722	6.96067	6.53922	6.28211	6.1826	5.85064
TIMM21	8.59024	8.48462	9.05286	8.69101	9.02455	9.09601	9.10034	8.71998	9.04992	8.67987	8.78708	8.60404	8.96148	8.97745	9.41517	8.52934
TIMM22	6.38755	5.75684	6.51834	5.72358	6.70042	6.98066	6.43423	6.68544	7.2057	7.05787	7.21008	6.72304	6.87399	7.02379	6.8718	6.96438
TIMM23	3.09851	3.59749	3.49445	3.21843	3.65448	2.99117	3.25433	3.43351	3.27349	3.13394	3.45744	3.23711	2.98256	3.12884	2.98901	2.4155
TIMM23I	6.13872	6.5801	5.63098	7.11075	7.33454	7.77339	6.1573	6.87678	6.26532	6.47575	6.41254	7.13293	7.80469	7.33649	7.49239	7.27377
TIMM44	6.89922	7.39988	7.27283	6.94902	7.25283	6.751	7.26649	7.37662	6.64251	7.22669	7.64388	8.08079	7.34486	7.81141	6.98373	7.3146
TIMM50	6.88927	5.78593	6.85132	5.93703	5.92336	6.04806	4.55111	5.26645	5.73705	5.59792	7.03429	6.82939	6.23661	6.24844	5.25696	5.61194
TIMM8A	4.77579	4.2226	5.88301	5.64227	5.33762	5.99579	5.59554	6.57951	4.42874	5.27879	5.56253	5.36831	4.45678	4.60548	5.99882	5.57155
TIMM8B	9.27564	9.4479	8.76878	9.10108	8.67666	8.86001	9.14235	9.42229	9.11939	8.75966	9.08563	9.31324	9.3733	9.15499	8.85906	9.51497
TIMM9	7.3638	8.35291	7.74479	8.23153	8.26876	7.9141	7.91603	9.36239	8.38151	8.15094	8.52134	7.70929	9.16853	7.45485	8.31145	8.56106
TIMMDC	9.36543	9.91148	10.4632	10.0629	10.8912	10.6769	10.617	10.371	10.1365	10.371	9.77946	10.0495	10.4304	11.063	10.99	10.6889
TIMP1	8.87472	8.96842	11.008	9.06514	7.97619	9.46022	8.58161	8.20939	8.56079	10.0458	9.18179	9.43324	7.51651	10.0193	8.62037	8.70013
TIMP2	6.67094	7.46733	8.137	7.46409	8.23881	8.20812	6.49883	7.93138	8.45232	8.35311	8.12233	8.09341	7.65874	7.35599	8.13908	7.38684
TIMP3	6.02272	5.54831	6.61815	5.4703	6.22225	5.16804	5.33145	5.29804	5.08995	7.98956	5.74393	4.7761	4.9403	4.91702	5.45803	5.1023
TIMP4	8.57558	6.34341	3.50622	7.17188	4.18221	4.25611	4.34027	4.19473	5.30524	4.78962	3.84453	5.9736	2.79294	1.36152	1.81049	2.71584
TINAG	2.59102	2.99916	2.47629	2.24315	2.86362	2.54889	2.68686	2.59854	2.82062	2.59317	2.59488	2.79904	2.44254	3.25291	2.64224	2.93358
TINAGL1	3.41112	3.42761	3.86957	4.16395	3.52527	4.79243	3.83857	4.03022	4.14509	3.50939	4.40218	4.13909	3.16183	4.02841	4.026	4.2888
TINCR	5.46207	4.79956	4.00507	4.72146	5.81021	6.05489	6.16601	3.87518	5.2242	4.32453	3.61736	3.54525	6.33337	4.17234	5.13629	4.34781
TINF2	8.08808	8.22674	8.16124	8.24933	8.13873	7.85776	7.30705	8.2105	8.43133	8.06065	7.98356	8.26535	8.01193	7.63737	7.72774	7.58194
TIPARP	9.03623	8.22729	7.8488	8.75124	7.8819	7.93421	8.49644	7.80863	7.59947	7.79685	8.40618	8.0757	8.09982	8.17818	7.96038	7.3174
TIPARP-A	5.92582	6.53383	6.32366	6.61479	5.40872	5.29139	6.65798	4.6439	5.83403	3.92077	5.87372	5.93115	5.19806	5.92308	5.64462	4.22209
TIPIN	6.02057	6.3949	6.55313	6.83168	7.5219	6.64508	8.06218	7.73582	7.4644	4.33627	7.69052	6.62257	7.71385	7.04312	6.84218	7.72547
TIPRL	7.61518	7.15739	7.71156	7.60227	7.23281	7.51679	7.39338	6.7674	7.68291	7.0163	7.4801	7.18439	7.87018	7.16189	7.55265	7.62934
TIRAP	5.60583	5.28882	5.40673	5.32626	4.48984	4.43897	5.35851	6.24346	5.10351	4.95856	5.65432	5.42776	5.25642	4.61302	5.67071	5.44017
TJAP1	7.66951	7.21537	5.50633	6.80682	6.94003	7.79386	7.55386	5.94565	7.65586	7.31075	7.68956	7.59878	7.44226	7.08952	7.49393	7.64214
TJP1	7.55817	7.72798	8.21006	7.65946	7.99608	7.90928	7.86385	7.4571	7.81636	8.21161	7.68663	7.42208	7.52685	7.68215	8.22559	8.29317
TJP2	6.98991	6.43003	6.67496	6.42535	6.38308	6.04558	6.91907	6.27492	6.7168	5.65877	6.68437	5.97254	6.54142	6.14304	6.03898	7.08341
TJP3	7.59296	7.36564	6.61572	6.8763	6.97927	6.08001	7.1455	7.41961	6.69536	7.17635	6.09492	6.27004	4.64035	6.67459	5.95773	7.15669
TK1	7.32333	7.65921	7.00374	6.51724	7.78353	7.87124	8.43133	8.17509	7.01461	7.05409	7.99984	8.25993	8.29063	8.66637	7.13731	8.05838

TK2	6.19282	6.49559	6.91702	6.23594	6.32223	6.32164	5.58299	6.65734	6.40779	6.81566	6.38344	6.54757	6.42879	5.90756	6.1213	6.08654
TKT	5.41821	6.07557	4.66867	5.02245	6.32459	5.65461	5.33633	6.1373	6.70987	5.64126	6.80386	6.47515	6.20437	7.4066	6.05129	7.67251
TKTL1	4.58086	4.80155	4.30055	4.09514	4.43096	4.80655	4.55066	5.45483	4.40714	4.17769	5.09101	4.82516	4.80528	4.47073	4.78274	4.56991
TKTL2	1.84505	3.16637	2.14348	3.17801	2.50418	2.93381	3.40901	3.02948	2.64558	1.69907	3.18189	3.29115	4.12996	3.07586	3.46534	3.20278
TLCD1	7.53803	7.83389	6.54757	6.72765	7.33347	5.66816	7.45982	7.059	7.7961	7.33374	6.52383	8.21355	7.77591	8.36324	7.2442	7.6511
TLCD2	6.84633	5.31136	5.01477	5.89353	5.16562	6.22568	5.49192	5.38183	5.98462	5.33329	5.53161	4.96487	5.03644	5.26966	5.73217	5.93233
TLDC1	4.98849	4.62955	4.58104	4.81941	4.01612	4.50409	3.97955	4.27105	3.56647	3.81758	5.14737	3.69757	3.87665	4.33979	4.26324	4.42048
TLDC2	3.20944	3.60842	5.95187	3.88735	4.36498	3.09851	4.56093	3.23218	4.29487	4.03381	4.10776	3.21231	3.34323	5.5861	5.23355	5.70646
TLE1	6.74157	6.37431	6.55759	6.6655	6.81398	6.70987	6.3794	6.74227	6.56859	6.90726	6.16356	6.5239	7.1334	6.59516	6.88409	7.66756
TLE2	7.35274	6.84248	6.71757	6.58025	5.29927	6.43519	5.64462	5.99268	6.52429	8.09817	6.69768	6.28468	6.57921	5.61405	5.96696	6.27603
TLE3	5.95685	6.09755	6.82086	6.14906	6.39329	7.12611	6.92458	5.77322	6.50979	5.38841	6.45608	6.90055	5.47252	6.03276	5.75858	5.35896
TLE4	4.9034	5.55912	6.20107	5.01537	5.29048	5.97388	5.32428	5.53516	6.06123	5.92567	5.16906	5.35585	4.90583	4.51245	5.60407	4.77643
TLE6	5.41079	5.87534	5.63587	4.63246	5.13649	5.39004	5.13064	5.60149	5.70455	5.53911	5.81488	5.67778	5.38939	5.73235	5.35063	5.46569
TLK1	3.98146	3.69577	4.1487	4.41131	4.2082	3.25118	4.44812	3.79506	3.83593	3.08532	4.01612	4.383	3.94952	3.60594	3.99461	4.34027
TLK2	6.48339	6.49365	6.00906	6.16601	6.35819	6.40584	5.92959	6.45026	6.30311	5.35438	6.5681	6.24252	5.43688	6.10692	6.16862	6.32792
TLL1	4.04939	3.33967	4.02973	2.86362	2.98648	3.42322	5.32208	4.4107	2.45459	2.84494	3.77267	4.07056	4.16172	3.97544	3.67301	3.63165
TLL2	2.95705	2.85264	3.43881	3.18391	3.04143	3.16521	3.46534	3.14136	3.12245	3.16504	3.27151	3.51167	3.27215	3.40556	4.98706	3.70947
TLN1	5.64301	5.52006	5.23042	5.51802	5.83166	5.84691	5.96359	6.36379	5.71586	5.00115	5.63513	5.60685	6.18943	5.29458	5.23178	5.96464
TLN2	2.97258	2.9662	2.87252	2.65028	3.999	3.46884	4.88621	4.12592	3.28	4.46753	2.69522	3.03952	3.7087	3.88943	4.59806	2.97258
TLR1	6.00566	7.26021	6.57111	6.93439	7.69258	5.67328	6.56207	6.60003	7.18221	5.67091	7.91179	5.65233	7.41351	6.20259	6.84527	6.76563
TLR10	6.17219	7.56925	6.88011	7.09873	6.32441	5.98416	5.38659	6.67139	5.84617	6.06227	5.50408	6.7888	7.14791	5.15717	6.63235	6.14424
TLR2	7.432	7.50456	7.9507	7.15313	8.04348	7.57158	7.32161	7.12168	8.15536	8.25203	8.8525	7.82061	7.79416	7.55303	7.53449	7.78616
TLR3	5.86242	5.58126	6.41949	5.16837	5.64095	5.00917	5.59237	6.2401	5.74275	4.9646	5.60857	5.21762	5.66008	5.79169	6.43871	5.73664
TLR4	4.70793	5.66227	5.9283	4.56336	5.43532	5.70072	5.19321	5.92308	6.16685	4.68565	6.53899	5.6314	5.65342	4.42289	5.09201	5.76939
TLR5	8.46478	7.97957	8.1768	7.78669	8.12233	8.26845	9.51355	8.66327	8.99071	8.20021	7.08393	8.26602	8.65431	8.49069	8.62766	8.79229
TLR6	5.63098	4.82056	5.32479	5.21505	4.74517	4.44321	4.18777	4.71759	4.46511	5.00196	4.94282	5.98014	4.18064	4.00874	4.76445	5.33068
TLR7	5.19592	6.12151	6.67366	6.5719	5.90353	6.14992	5.80803	5.86958	6.73573	4.58668	5.90396	6.63235	5.72886	5.58748	5.80545	5.83271
TLR8	5.59946	5.60753	7.2577	6.46228	6.80649	6.7903	5.37312	5.52073	7.48951	5.51128	8.26232	5.75357	6.93736	5.76238	6.89693	7.26649
TLR8-AS	3.9591	4.94996	3.85578	5.25003	5.00222	5.15052	5.96182	4.1399	6.17468	3.95892	3.88263	3.82629	3.62729	4.3596	3.34075	5.75373
TLR9	6.39361	6.51608	6.26303	6.24397	5.73276	6.46123	6.2519	6.83089	6.83917	5.29843	6.08074	7.00701	6.04156	6.13065	6.26374	6.13229
TLX1	6.14209	5.80184	4.47847	4.9083	4.37803	5.68938	6.02125	5.81525	4.17624	5.93577	4.42745	4.49971	6.15519	5.95819	6.00128	5.93916
TLX2	3.6843	4.63367	3.91479	4.11792	4.47464	5.12109	4.23043	4.43832	4.15309	4.51707	4.63084	4.97749	3.77859	5.00386	5.14127	4.97512
TLX3	3.17857	3.24563	4.25556	3.04143	2.68714	2.60961	3.65785	4.04879	2.70734	2.42411	4.01138	3.88877	2.94778	3.6977	3.64338	3.55993
TM2D1	7.11889	6.87531	7.13557	6.89947	7.2897	7.01098	7.13758	6.52236	6.31578	6.46938	6.71775	6.25296	7.23561	7.08097	7.00686	6.91735
TM2D2	9.54799	9.09834	9.73939	9.45067	9.80678	8.80719	8.37595	9.0096	10.2583	9.29927	9.16963	8.98061	9.25706	9.08092	9.13292	9.3856

TM2D3	10.0629	9.65997	10.4519	10.1739	10.2341	10.0778	8.98841	9.89394	9.64158	10.0518	10.0919	10.167	9.81254	10.0123	10.2257	10.2444
TM4SF1	6.15232	6.72058	7.72919	5.93008	7.46791	7.66502	8.02303	7.06373	6.78968	8.11898	7.7162	6.76605	7.05471	7.07295	6.64159	7.39988
TM4SF18	5.78989	5.06778	6.81012	6.49365	5.58003	6.87431	6.2013	6.46753	4.6945	6.1231	6.43019	6.0987	5.83219	5.35628	6.40719	5.68639
TM4SF20	5.4983	3.45279	3.90511	5.58812	5.1722	4.2803	4.4029	4.35762	4.04754	3.53934	2.86424	3.36359	3.34323	4.47605	3.36098	3.7297
TM4SF4	3.77751	3.99662	3.16713	2.95827	3.45301	3.28947	3.68625	3.13235	3.60923	3.172	3.60024	3.31042	3.64142	3.29459	3.36098	3.57557
TM4SF5	2.04089	1.22235	2.99564	3.66594	1.80599	1.26539	2.15094	2.61382	2.76258	3.50939	1.54854	2.56799	3.64142	1.1104	3.5512	1.77343
TM6SF1	5.19782	5.48072	5.82134	6.02751	6.34852	6.50914	6.04417	5.20188	6.47688	5.47996	5.77379	5.13806	6.26091	5.79936	6.32627	6.68395
TM6SF2	5.60857	5.97145	5.88542	4.58322	5.90706	5.76919	6.28563	5.89386	5.2261	5.11171	5.57155	5.76224	5.79169	5.7127	5.82384	6.08478
TM7SF2	7.76155	6.80448	6.14859	6.19869	6.53519	5.89174	5.42833	6.05868	6.60618	7.61148	6.68799	7.08493	6.57527	7.1117	6.21818	6.6127
TM7SF3	7.53627	7.46529	7.98356	7.80469	9.16963	7.81563	8.09695	7.64872	8.06572	8.00813	7.57707	7.91358	8.46025	9.27414	9.2593	8.59782
TM9SF1	6.36248	6.35743	7.29091	6.30604	6.76622	6.7969	5.29878	5.87492	6.05731	7.47978	6.80087	7.55413	6.71062	6.65787	6.4737	6.69578
TM9SF2	10.163	10.1334	10.8621	10.1334	9.89146	10.2444	9.58421	9.37612	9.66727	10.6494	10.2886	9.07714	9.30247	9.77946	10.0079	9.43414
TM9SF3	7.27143	7.25662	7.4647	6.89231	7.14485	6.92458	7.01125	7.20472	6.80802	7.91216	6.81286	6.96229	6.75031	6.95773	6.98711	6.85143
TM9SF4	6.31984	6.37053	6.26147	6.35231	7.02233	5.98966	6.32848	7.08411	7.47821	6.57122	6.37807	6.19388	6.31699	6.16281	6.81217	6.23037
TMA16	6.37105	6.33063	6.40266	6.37868	7.66179	6.43268	6.61659	5.99786	6.05015	5.81455	7.16343	6.33379	7.96889	7.80984	7.54789	8.14618
TMA7	11.9171	12.3273	11.9991	12.3491	11.8738	12.2597	12.2011	12.5715	11.9698	11.2207	12.2837	12.5323	12.2597	11.6449	12.2597	12.468
TMBIM4	9.86652	9.77645	9.89394	9.819	8.92195	9.57128	9.41517	9.86381	9.61505	9.79051	9.28755	9.50261	9.53788	9.25053	9.28207	9.22423
TMBIM6	10.9531	10.7178	10.9732	10.9636	10.4176	10.1516	9.7337	9.93674	10.6031	10.9531	10.2928	10.7652	10.3113	10.6351	10.0697	9.71584
TMC1	3.64066	3.71031	3.27793	3.60342	3.0533	3.37812	5.66827	3.21508	4.87322	3.74711	5.33157	3.29115	3.16183	3.54384	2.67357	2.82844
TMC2	3.79639	5.00579	3.54384	2.67969	3.44117	3.84347	3.31153	3.79039	4.68603	4.00197	4.77423	4.95899	3.02655	4.2645	5.44837	3.28662
TMC4	10.4743	9.29297	7.91288	8.88693	8.75045	8.19323	8.16298	7.97459	8.46388	9.88096	7.34437	8.84269	8.14518	8.90152	8.37289	8.43072
TMC5	9.31202	8.14058	7.2038	8.21095	6.23972	6.28793	5.30024	5.72735	7.22086	7.74136	5.61508	6.49883	5.20872	5.61052	5.70562	5.84601
TMC6	5.73429	5.77804	7.01074	6.06475	6.09755	6.5997	6.12646	5.42705	6.27576	5.86708	7.45051	8.37808	5.28422	7.57741	5.45483	5.20104
TMC7	6.02266	6.19388	6.00192	5.42618	5.48108	5.87483	5.51713	5.0199	6.07137	5.9262	5.67417	5.84548	6.21535	6.06141	6.17866	5.54645
TMC8	6.7013	7.11463	7.43605	7.34748	6.51789	7.55025	7.30736	6.56768	7.8097	5.7957	6.73937	7.63463	6.81029	7.08446	5.77186	6.27435
TMCC1	5.91026	5.31156	5.33989	5.11427	4.99899	5.70304	5.28856	5.58532	5.43734	5.64185	5.27954	4.98248	5.38706	5.22241	5.4585	5.79671
TMCC1-A	3.0337	3.58923	3.09332	3.18749	3.38957	2.90619	3.06914	3.14193	3.26593	2.52969	4.16313	3.50071	3.38525	3.15571	3.18151	2.70698
TMCC2	6.07712	6.29439	6.60014	5.83943	6.03795	5.12168	6.0104	6.17896	6.31164	4.98755	5.55482	5.12665	6.51248	6.25369	6.32734	5.38706
TMCC3	5.8678	6.78049	6.85291	6.80111	6.36706	7.27538	6.48246	6.73828	6.40861	6.43116	7.02326	6.49013	6.81451	5.89483	6.48629	5.95993
TMCO1	8.90826	8.47465	8.50644	8.78881	8.53486	8.53034	8.07378	8.00083	8.48593	8.85441	8.59782	8.12782	8.53692	8.37808	8.52934	8.7032
TMCO2	3.0835	3.12278	3.81806	3.46996	3.42572	4.0956	3.16512	2.98628	3.40648	3.62321	3.07695	3.25228	4.20792	3.52815	3.33112	4.10052
TMCO3	5.63906	5.98551	6.11248	4.77009	5.95076	5.66638	5.3793	6.13872	4.99435	5.97927	6.8205	6.45489	5.91387	6.11277	6.02213	6.12673
TMCO4	4.77579	4.99227	4.5797	4.68191	3.7462	4.73008	5.61662	3.92057	5.27954	5.79671	4.90711	3.94319	3.53715	5.11456	5.4498	5.09878
TMCO5A	4.23968	3.01133	2.87137	3.36671	3.96234	3.2679	3.66594	3.71194	3.54873	3.29722	3.98497	4.14005	3.45764	3.53819	4.35456	3.62383
TMCO5B	2.30837	1.71163	2.27099	1.50761	2.02496	2.27957	3.27441	1.83717	2.31622	2.42411	2.8192	2.10229	1.53958	2.37224	2.36623	2.63794

TMCO6	6.26612	3.32466	3.74811	3.25646	2.36593	5.92343	6.75886	3.74908	5.24814	4.44111	5.6694	6.29302	4.52811	6.03781	4.48075	4.21547
TMED1	8.54987	8.39116	7.70043	7.54861	7.79825	7.27825	4.26699	5.69927	7.44928	8.00902	8.19574	8.68694	7.76197	7.51232	7.38073	7.65268
TMED10	8.901	8.65005	9.20103	9.09246	8.69101	8.91549	7.08284	8.70529	8.66851	9.63723	8.58624	8.62832	8.64334	7.93896	8.29921	8.53091
TMED2	6.2512	5.23146	5.41161	5.03113	5.60601	5.27742	5.57129	5.38939	5.91594	6.11761	5.493	6.15194	5.49063	5.49001	5.50962	5.25218
TMED3	6.49857	6.19359	6.10997	6.44702	6.27523	6.09939	7.4238	6.58481	5.74785	7.12179	6.10943	6.43533	6.35153	6.24509	6.28545	5.80824
TMED4	7.50769	7.19454	7.20659	7.2897	6.98515	7.30766	7.25418	7.13293	6.99808	7.63497	6.52664	7.42706	7.58312	7.28113	7.11329	7.52876
TMED5	5.17709	5.57458	6.16413	5.95207	5.42546	6.0156	5.25162	6.18713	5.18445	6.10669	6.35309	5.68335	5.65486	5.69246	5.956	5.48559
TMED6	1.11909	3.28675	3.45525	2.184	3.09072	0.49837	3.25433	1.99703	1.98342	1.74155	1.79233	0.90097	4.81507	2.22838	1.08679	0.86912
TMED8	5.94974	6.9564	6.99294	7.51651	6.67421	6.50191	5.76786	6.54	6.08163	6.71089	6.63879	7.21537	6.95677	6.75031	6.50406	6.38642
TMED9	10.7548	10.6494	11.1017	10.7421	9.59537	10.8297	10.1842	10.4836	10.8431	11.1017	10.494	11.4058	9.73939	10.6461	10.1813	10.1183
TMEFF2	5.70326	5.14611	5.76261	5.85641	5.05869	5.23799	5.86663	5.66227	6.47449	6.04874	5.33697	5.20936	3.4529	4.43223	5.51976	5.94251
TMEM10	7.1111	6.07849	7.90263	7.48777	5.67026	5.84203	5.09806	5.9608	6.1983	8.48187	5.95661	5.95764	5.22455	3.49255	5.89999	6.60618
TMEM10	8.04873	7.9507	7.23174	7.0242	7.29628	7.77224	7.77507	7.39425	7.28649	7.90683	8.0941	8.2214	7.49571	7.66065	7.55335	7.67899
TMEM10	4.93295	3.44137	3.02585	5.76238	2.63482	3.54848	3.32901	2.46648	4.16584	5.85517	5.0929	5.35438	5.85825	4.97512	4.67029	2.76844
TMEM10	7.71129	7.11055	7.86922	7.14277	7.43404	7.73503	8.18689	7.64096	7.37969	7.78045	6.39634	8.2214	6.03144	7.01917	7.84084	6.70923
TMEM10	4.55321	4.0953	4.5714	6.23787	4.33348	4.3562	6.78271	4.75563	6.36066	5.50973	5.96549	7.08047	4.48458	4.20074	6.20996	6.07883
TMEM10	4.30999	4.69036	5.0289	4.93015	4.6016	4.53029	4.2082	3.78483	4.4803	4.76297	5.1106	4.45111	5.15926	4.87584	4.26613	4.44519
TMEM10	7.66647	7.34076	7.7303	7.26681	6.99541	7.4801	7.98156	6.6178	7.68956	7.43858	6.86587	7.01061	7.3425	7.20266	7.41461	8.45826
TMEM10	6.67897	6.91101	6.3978	6.41115	6.90567	6.49673	7.3133	6.52849	6.88611	6.11163	7.76459	6.29404	7.57314	7.22146	6.49514	7.19246
TMEM10	7.95572	6.92479	6.54955	7.689	5.80282	6.16601	5.59687	5.67487	6.23263	6.25369	6.54284	6.92317	6.63146	6.72646	5.79319	6.1103
TMEM10	5.12383	5.83799	5.69214	5.54336	6.32423	6.30006	6.08682	6.20911	5.49524	5.31202	5.55517	5.57918	6.87531	4.91154	6.24105	6.09425
TMEM10	4.43162	5.17869	3.77762	3.66594	4.51886	4.37334	3.86818	4.42433	5.93318	4.03381	4.40218	4.06056	6.08585	4.57214	5.46774	5.45261
TMEM10	7.84068	8.0633	8.19842	8.51084	7.98813	9.24021	8.31214	6.95233	7.99727	8.23028	8.8433	9.01865	7.47582	7.98813	7.49156	7.50471
TMEM11	7.30569	7.00686	7.18387	7.61288	6.76938	7.17844	7.24157	6.71924	7.35469	6.99057	7.65268	7.42542	7.78783	7.46593	7.5514	7.53557
TMEM11	7.96606	7.31992	7.28879	7.51709	6.8906	6.82106	6.56504	7.54252	7.89457	7.38443	7.12889	7.43803	6.80289	6.72663	7.0964	7.31799
TMEM11	2.65839	2.1636	1.92303	2.40724	2.44843	2.15563	2.31492	3.10948	2.39727	2.2766	2.72092	2.63249	2.6465	2.31516	2.36623	2.94176
TMEM11	5.77804	4.46162	5.23698	5.05978	5.35492	5.56226	5.49899	4.13045	5.19903	6.00553	6.10359	6.77365	4.82475	5.7441	5.49373	5.78145
TMEM11	5.48278	5.58663	5.06482	5.08081	4.85307	5.52089	5.18807	5.56771	5.51976	5.42342	4.62955	5.1995	5.76261	5.55274	5.07937	5.593
TMEM11	7.30374	7.14153	6.7699	5.65728	7.26183	7.2551	6.86853	5.30554	6.96924	7.71404	7.20233	7.13215	6.07969	6.72599	7.45198	7.04707
TMEM11	6.41673	7.56682	7.29882	7.148	6.00176	6.70289	5.87081	6.98305	6.13643	7.04899	6.04147	7.12179	5.52597	6.07813	6.25491	6.54445
TMEM12	7.98311	7.08493	6.89264	6.73025	6.41189	6.45517	6.10352	5.05573	7.32689	8.08426	7.92217	7.44148	6.55426	5.91948	7.13317	7.9954
TMEM12	5.27518	3.80732	3.9717	5.19754	4.66602	5.55505	5.08353	4.37803	5.36162	5.35295	5.23842	6.10515	4.9789	5.19754	4.63475	5.09432
TMEM12	3.77469	3.63292	3.60275	3.82238	3.13842	3.5519	2.11885	2.28509	5.43961	3.56191	4.1725	3.98056	3.19128	3.59234	3.50858	2.99038
TMEM12	11.1559	10.8206	11.0928	10.8621	11.2278	9.91148	10.3531	9.65751	9.32342	10.7222	10.1842	9.82086	10.5154	8.40462	10.9309	11.2015
TMEM12	10.0193	9.06823	8.57967	9.0861	7.45844	7.34542	8.29662	8.38967	8.30008	9.92568	7.51096	7.70647	7.5978	8.01542	7.03353	7.93681

TMEM12	9.50452	10.0029	9.97305	10.3531	10.0029	10.2771	9.08092	10.0791	9.71584	9.43764	9.96379	9.57587	9.56403	9.85394	9.37224	10.3563
TMEM12	6.90567	7.5383	7.83011	7.75334	7.52127	7.32679	6.59372	7.23832	6.92944	7.15193	7.39105	6.38374	6.43979	7.09387	6.86735	7.98837
TMEM12	7.154	6.67336	6.68175	6.97241	6.77117	7.71299	7.47527	6.91218	7.16831	6.37272	7.22574	6.73937	6.22827	6.8955	7.94023	6.24154
TMEM12	7.97809	7.32572	7.50206	8.3341	8.16657	8.60332	8.12218	8.27879	6.93431	7.64121	7.89457	8.07239	8.95531	7.73431	8.28971	8.06823
TMEM12	8.20967	7.36343	7.39005	8.18266	6.59438	7.70895	6.48478	6.89505	6.28982	8.53182	7.35884	8.63551	7.68995	7.85021	7.14827	6.55182
TMEM13	3.00675	2.13825	2.04684	2.45536	2.83544	1.95254	3.68625	3.0481	1.87545	3.39891	1.74872	2.73426	3.16183	2.22838	3.15051	2.94176
TMEM13	7.68357	7.51898	7.81452	7.47865	7.51042	7.4416	7.59417	7.22016	7.47497	7.71686	7.45647	7.21883	7.09937	7.4963	7.31308	7.50184
TMEM13	5.13074	5.29401	5.41358	5.24052	5.34983	5.31293	5.72448	5.93081	6.01587	5.68373	5.10201	6.01819	5.85003	5.88618	5.56217	5.45391
TMEM13	5.33553	5.45592	5.9455	4.91388	5.77186	6.32556	7.4963	5.10549	5.71558	5.57304	5.65403	5.24413	6.02602	5.76275	7.08123	4.4903
TMEM13	7.7644	7.77814	6.96882	6.46539	5.75084	5.73173	4.23557	5.37804	6.97262	8.00512	4.51992	6.29102	5.10281	5.57489	5.0222	6.06992
TMEM13	6.07854	6.34769	5.83775	5.69999	5.44738	5.64632	5.53155	6.47034	5.97212	6.48123	5.75058	6.0385	6.05071	6.42461	5.95819	6.49341
TMEM13	6.71017	6.20572	6.76847	5.9677	5.76793	6.69321	5.99194	5.44975	5.66243	6.75056	5.59376	5.64993	5.70986	5.83348	5.40572	6.14245
TMEM13	7.03614	7.269	7.45025	7.03808	8.16461	7.10928	7.16815	7.77095	6.70719	7.45951	6.49429	6.41633	6.14906	7.69023	7.20912	8.36651
TMEM13	5.45508	5.65728	5.98586	5.38933	5.26322	5.37997	5.12406	5.67605	5.70584	5.2507	5.98842	6.13169	6.26341	5.65169	5.32967	5.41358
TMEM13	4.36302	4.72146	5.72735	5.9579	6.26266	5.51033	5.21072	6.04099	5.69186	5.69638	6.30958	5.2212	5.32055	5.60753	5.30804	5.73188
TMEM13	6.22463	5.97073	5.23893	6.50447	6.26498	4.46892	6.20996	5.6019	4.85971	4.54689	4.35267	5.89327	5.36285	4.94472	5.58748	5.53494
TMEM13	8.83206	8.01689	8.44542	8.23823	8.60829	8.49463	7.85734	8.40816	8.31415	7.55124	8.13222	8.42443	8.24533	9.08563	7.77591	7.95029
TMEM13	6.26989	6.13469	5.95579	5.61119	4.00094	5.60685	4.55579	5.00397	5.44775	7.5475	4.6811	4.23371	5.40376	5.47619	5.14009	6.06363
TMEM14	6.06123	6.97901	8.25306	6.67504	7.72534	7.11288	6.82297	8.42975	8.35397	7.03075	7.93138	8.3093	7.61499	6.6512	7.21316	7.61271
TMEM14	8.57946	8.50367	7.70099	8.02057	7.44793	8.40426	6.60922	7.59541	8.02161	8.93264	8.06352	8.79047	8.7933	8.64334	7.42188	8.07033
TMEM14	5.09667	6.12693	4.71386	5.52577	6.29404	5.88585	5.22934	6.03028	5.71831	6.08253	6.07045	6.13608	5.51387	5.85483	6.00283	5.86526
TMEM14	5.37653	5.19321	3.78181	4.94719	4.55111	4.77762	4.58322	4.41214	4.78796	5.64746	5.06404	4.12809	4.68428	4.9443	4.75492	4.34574
TMEM14	5.60332	5.53829	6.50447	6.07272	5.86719	6.24355	6.29363	7.0306	5.88266	6.43506	5.66548	7.55529	6.18277	5.78062	7.06945	6.26532
TMEM14	9.33546	9.37098	9.52486	9.4469	9.01959	10.3269	9.77798	8.96663	9.64424	9.72915	9.72915	10.9849	10.0285	10.2341	9.19948	9.90115
TMEM14	9.66911	9.7947	10.0697	10.2886	9.92568	9.80765	10.6351	9.36926	9.52199	9.07607	9.37829	9.11184	10.4836	10.7134	10.6461	10.0919
TMEM14	9.90298	10.0472	9.36926	10.3191	9.93674	9.25237	7.7249	8.71651	9.19001	9.77798	9.92274	9.57352	9.99282	8.60184	9.3733	9.7543
TMEM14	9.69292	10.5154	10.2011	10.5482	10.2374	10.1246	8.9255	9.68239	10.0139	10.2374	9.74251	9.99925	9.94645	9.23192	10.3191	10.298
TMEM15	7.02287	6.70956	6.81937	6.80432	6.43539	7.00554	7.05075	7.03627	6.01991	6.79668	7.19234	6.28238	7.23693	6.78527	6.28062	6.26403
TMEM15	6.92944	6.31186	6.29994	6.11348	6.0536	6.09668	6.36379	6.44616	5.90526	7.14818	6.90931	5.87483	6.28889	6.61115	6.03795	6.71204
TMEM15	8.3171	8.36277	8.39497	8.6349	9.72915	8.52934	9.4469	8.54652	7.51761	7.80162	6.32283	8.03847	8.28261	9.01679	9.09718	8.59839
TMEM15	0.49324	0.47227	0.93298	2.43076	0.47862	2.65434	0.48337	0.64273	1.00765	0.65546	3.09709	0.75844	2.46016	0.8165	0.46592	0.61335
TMEM15	6.18966	6.48183	6.56768	6.41484	6.3264	6.08394	6.4501	6.66617	6.38642	6.35047	6.39685	6.07045	6.41254	6.6596	6.56925	6.67217
TMEM15	8.47306	7.99228	7.73876	8.64417	6.79861	7.03789	6.63735	6.78548	7.35599	6.586	7.67916	6.63119	6.64633	4.73921	6.25491	7.64016
TMEM15	4.18547	2.99228	5.62027	5.05078	6.54781	6.27134	4.61163	5.43993	5.42436	3.41751	5.89602	7.21296	6.94522	2.93125	6.10921	7.31288
TMEM15	6.36968	7.29262	6.72516	7.04341	6.75475	5.66671	6.52442	6.99541	6.89788	5.94021	5.31683	6.27641	5.74611	6.84402	6.37807	6.08864

TMEM15	5.29504	7.28373	6.76425	5.66075	7.02908	7.96128	4.92155	7.49996	6.5982	8.46329	7.88823	6.31431	6.23343	4.07659	6.81244	8.24826
TMEM15	7.14347	6.32432	6.27208	7.23129	6.09857	6.0054	5.58885	6.31886	6.80638	6.22685	5.93924	6.54113	6.36788	6.84644	5.87687	7.33414
TMEM16	6.29625	5.69214	5.54788	6.43444	5.44738	6.59268	5.80316	4.96893	6.37487	5.73126	7.01068	7.27109	6.54598	6.72244	5.74894	6.89348
TMEM16	5.46907	6.47995	6.75136	6.33769	6.43161	6.7287	7.12819	6.71502	6.52299	6.69495	7.06319	8.82383	6.89693	7.15992	6.27174	6.75251
TMEM16	5.92857	6.11045	6.13065	5.99556	6.01474	6.62814	6.37709	5.61383	6.04891	6.38946	6.34505	6.56368	5.51543	6.50474	5.84468	5.9717
TMEM16	5.65675	6.14368	6.48318	6.04891	6.18149	6.87096	7.54563	7.16285	6.54889	6.01522	6.32921	6.49354	5.82413	5.07775	6.72905	6.01474
TMEM16	6.91987	8.29356	7.76876	7.87018	7.46068	7.67681	8.72123	8.42344	7.82939	5.47087	6.13885	7.3511	7.97957	9.65062	7.37495	7.25138
TMEM16	5.62444	5.18445	5.60047	5.12636	5.70513	5.37964	5.3574	5.42456	5.40753	5.56929	5.69697	4.87464	5.74024	5.89935	5.5909	5.57813
TMEM16	8.48257	9.46931	9.73529	9.40387	9.70215	9.41817	9.7543	9.37098	9.50744	9.88728	9.85721	9.38269	9.39668	8.93865	9.40525	9.34547
TMEM16	9.02956	9.07205	9.1663	9.09013	9.1851	9.19001	8.44542	8.076	7.85153	9.2048	8.36439	8.04702	8.83304	9.35033	9.31398	8.34053
TMEM16	6.95472	7.23499	7.08393	6.72716	8.02161	7.58738	7.42501	7.23328	7.22279	7.93282	6.45463	7.27221	7.78949	7.32228	8.28608	7.85291
TMEM16	5.04458	4.85943	4.35197	3.95382	4.87854	4.21021	4.56093	4.7766	4.27526	4.09007	5.03656	4.37137	4.2307	5.27102	4.61514	4.27608
TMEM17	7.46391	6.93258	6.27641	6.19348	6.30426	5.36175	6.28657	2.98628	5.85107	6.5296	4.43233	3.10037	5.07725	5.26764	5.26934	2.71584
TMEM17	6.97291	7.36632	7.6407	7.67098	6.87678	7.16687	7.08674	7.21934	7.06035	6.83822	7.39494	7.34167	7.90928	7.43226	7.0263	6.97577
TMEM17	5.43457	5.23593	6.40488	6.35401	5.64806	6.34875	5.93156	5.93974	5.3788	6.29245	6.05332	5.14665	4.78966	2.77311	6.07381	5.85869
TMEM17	3.80871	4.51349	3.69259	3.04964	4.28659	4.95856	5.37653	4.51664	3.4886	3.6881	4.96224	3.47903	4.92411	7.11405	4.00589	4.15902
TMEM17	8.31327	8.59875	7.88396	8.27535	7.69763	8.44151	8.17146	8.47782	8.40648	8.00348	7.9568	8.71787	7.97302	7.92262	8.30977	8.47869
TMEM17	6.1132	5.17003	5.22391	5.61554	5.84153	5.4378	5.80613	6.1126	6.43003	5.1385	6.20107	5.78176	5.65805	6.0737	6.44056	5.89602
TMEM17	7.65851	7.15273	7.62491	7.35804	5.87497	6.89616	7.08169	7.0208	7.22006	7.04626	6.93931	7.77095	6.71791	7.27934	7.02701	7.19036
TMEM17	6.74418	9.31733	7.22098	8.46765	7.68572	9.57255	6.89247	8.54009	10.1061	7.50356	9.0105	9.89772	9.2111	7.75274	8.96611	8.61743
TMEM17	6.37023	7.89777	8.24731	7.80198	6.79818	7.97364	6.29473	6.92196	8.2438	7.12034	7.36526	7.83449	7.33768	6.76123	7.11716	6.99644
TMEM17	6.57	5.92492	6.07744	6.67956	5.81029	6.633	6.07538	5.35382	6.78161	6.09904	6.36933	7.07521	7.0773	7.1494	6.10048	6.79723
TMEM17	7.84726	6.17098	6.18392	7.38635	6.12195	4.61747	5.19716	5.44583	4.86753	8.82789	2.34474	5.31378	4.04818	5.27844	5.38495	4.59949
TMEM17	5.22008	5.98436	5.89565	6.34082	7.26714	5.6694	8.26476	6.30273	5.29668	5.44592	5.41821	4.90369	5.37386	7.43547	7.50077	6.09644
TMEM17	3.00675	1.7774	3.38079	3.30112	1.77016	3.50802	2.06028	2.04007	1.59296	1.96807	2.13586	2.04143	3.19903	2.44811	1.61881	2.01298
TMEM18	8.56298	8.69613	8.15305	8.40497	8.30473	8.26942	8.8365	8.51853	8.24153	8.45057	8.21397	8.51297	8.70368	8.25405	8.31327	8.97745
TMEM18	3.84315	3.92591	3.81806	4.22106	5.33875	3.72561	6.10352	4.53792	4.36917	3.65408	6.86297	4.39323	3.95924	6.11483	5.23355	5.23003
TMEM18	7.63318	6.7878	7.82093	7.20013	7.52366	7.89722	8.24115	7.18935	8.05785	8.93737	7.95029	7.04441	7.42103	7.13821	8.15234	7.54434
TMEM18	6.04891	5.93927	5.22028	6.11067	5.64618	6.03871	5.83766	5.94871	5.7995	6.12611	5.53338	6.04166	6.17866	6.01067	5.84093	6.88861
TMEM18	6.14149	4.87525	6.02595	4.54368	4.90583	5.37759	6.17043	5.79898	5.76354	5.81801	5.53294	5.40805	5.02465	6.08337	5.05059	4.62832
TMEM18	8.10258	8.26281	8.71012	8.17934	8.19126	8.9255	8.43537	8.75771	8.96715	8.57946	7.7952	9.07607	8.12233	8.27019	8.67987	7.91644
TMEM18	7.77339	7.77654	7.8012	7.76849	8.30721	9.06178	8.84953	8.74734	8.43478	8.56669	7.4963	7.42011	8.53182	8.0931	8.62037	7.57441
TMEM18	7.12034	6.50774	6.59677	6.51291	6.63311	6.94648	7.05554	6.47187	6.51269	5.91749	7.25163	6.55559	6.8872	7.35652	6.50511	6.86641
TMEM18	5.93903	5.73664	6.20976	5.75987	5.99244	6.60163	6.72233	6.32955	6.30006	6.46131	7.19454	6.23139	6.94306	7.30479	7.33702	6.56571
TMEM18	7.86047	8.1697	8.30977	8.06242	8.10936	8.2105	7.84126	8.57084	8.29063	8.19764	8.10716	8.47386	7.32114	8.82383	8.36563	8.54726

TMEM18	7.12292	6.26403	6.39062	7.24104	5.50605	7.12268	5.90076	6.59422	5.76238	6.73719	6.15753	8.12358	6.54598	6.37723	6.72775	7.20515
TMEM19	6.77706	7.03026	7.30333	7.34167	7.46102	6.846	7.43454	7.27323	7.48041	6.87115	6.56733	7.37469	7.1053	6.97815	7.57786	6.96636
TMEM19	12.6989	10.389	7.37019	11.0928	6.67777	7.75627	5.50534	6.36564	8.01588	4.66895	4.31762	9.55408	3.36189	7.4124	4.72569	4.35197
TMEM19	5.93782	5.62022	1.64561	3.74939	5.47252	5.32626	3.68625	1.67907	4.62638	4.87894	5.22953	6.15904	5.16629	5.49726	4.45395	4.49636
TMEM19	6.59443	6.12603	7.07983	6.91366	5.80674	6.55623	6.27307	6.47918	6.20767	6.5099	6.52222	5.93911	6.00757	6.24025	5.60696	5.33438
TMEM19	2.93941	3.1574	3.93836	4.50625	6.15255	6.22685	4.2803	4.37953	6.1691	3.67528	5.80642	4.27619	4.99511	6.94648	5.67529	5.31136
TMEM19	6.02417	5.70016	4.23911	4.4487	5.88734	6.69321	4.57297	6.26155	6.8113	6.14368	6.25249	6.12918	6.30585	6.14455	6.14947	5.96981
TMEM19	2.42109	4.57451	3.71116	4.03565	3.60777	2.50097	3.58305	4.27968	2.94501	3.97544	3.1156	2.80925	4.33537	3.44159	4.01473	3.04143
TMEM19	5.563	6.22269	5.8546	5.8832	5.03131	5.88006	6.07473	6.37347	5.34065	6.31399	5.54853	5.79816	5.36312	5.52355	5.15336	5.13261
TMEM19	6.90068	6.59641	7.41093	6.56975	6.90832	6.64508	7.46182	7.36263	6.82648	7.37319	6.4138	6.55313	7.23297	7.12832	6.81306	7.25544
TMEM2	6.60342	6.56543	7.59494	5.39736	6.83226	6.78897	3.55696	5.70221	6.8113	7.02103	7.28814	6.18061	4.82835	4.92151	6.71935	6.17309
TMEM20	6.64881	7.88984	8.51278	7.0724	9.82707	7.12363	9.33845	8.86407	8.22702	6.42295	7.67098	7.34845	8.38319	9.64884	8.95696	9.64026
TMEM20	6.0156	6.3353	6.46966	6.69314	6.37241	6.0237	6.05868	6.04567	5.8292	6.6827	6.33083	6.06289	5.89071	6.18234	6.08488	5.57856
TMEM20	5.36713	5.72995	5.44685	4.73386	4.55271	5.44903	5.93541	5.30066	5.68604	4.33928	3.53857	4.46262	5.28829	6.35513	5.94238	6.20252
TMEM20	5.06359	4.37803	5.38297	5.01553	4.62788	5.3139	5.25872	5.13733	4.60388	5.26217	6.64866	4.85485	5.5118	5.43449	5.0511	5.17686
TMEM20	8.02082	8.43657	7.69319	7.61668	8.73206	8.40158	7.04132	8.09206	8.49535	8.54913	7.93657	8.68624	8.40127	8.31492	7.34936	8.48679
TMEM20	6.01665	6.03545	6.5377	5.94701	6.09956	6.34639	6.08001	6.68235	6.04099	6.22601	6.3948	6.24118	5.99187	6.01259	5.81725	6.45815
TMEM20	9.74814	9.45311	9.32763	9.7488	8.22106	9.07924	8.37595	6.70121	8.5267	9.53326	8.47306	9.9547	9.01912	9.54001	8.20284	8.63717
TMEM20	5.27864	6.79158	7.28271	6.45276	7.18517	6.70325	6.62723	6.65858	7.04529	6.45214	7.17199	6.62705	6.68558	6.20784	7.2935	7.20472
TMEM20	3.84315	5.11285	2.56774	5.22073	3.22566	3.33634	3.42552	3.15288	4.7523	4.88336	4.34817	3.22488	2.7137	3.10839	3.15051	2.7492
TMEM20	9.56595	9.29927	9.58716	9.51355	8.07429	8.94789	7.84679	8.08567	8.35203	9.71027	9.58269	10.1088	9.43955	9.59327	7.92556	9.11102
TMEM20	4.70357	5.46171	5.59162	4.73152	5.23521	5.56468	5.28614	4.8391	5.28081	4.72987	6.10997	5.11644	5.31136	4.80084	5.64645	5.46952
TMEM21	8.15497	7.29595	6.85641	8.24659	5.99062	7.28322	7.71541	7.41632	6.78596	6.56837	5.6503	7.01721	6.01067	6.90674	6.21622	5.90515
TMEM21	8.22834	6.44906	6.29651	6.74345	3.53071	5.36859	4.39335	4.83434	4.46303	8.82517	4.59535	4.80031	4.71325	5.08232	3.36453	4.48662
TMEM21	7.55949	7.73912	7.798	7.9673	7.85896	7.89087	8.31371	8.76664	8.33093	8.20307	7.71648	8.01992	7.25954	7.99727	7.91945	7.89891
TMEM21	8.12481	7.94708	7.08446	8.22455	7.52671	8.898	7.4428	6.36903	6.89132	6.93854	7.51567	8.00282	8.59276	8.32521	7.07787	7.54382
TMEM21	3.81865	4.2689	3.81806	4.31831	5.23646	4.45264	2.53476	2.70064	3.09248	4.49669	4.31274	3.72108	5.21576	4.63315	3.40607	5.21189
TMEM21	6.09071	5.64557	6.19553	5.66331	5.89719	5.12813	5.00186	5.39676	4.25938	6.28592	5.13458	5.58265	4.64269	4.1332	5.90756	5.8913
TMEM21	7.79974	7.43906	7.40779	6.71827	7.38979	6.76579	5.35968	6.48682	6.92174	7.98889	7.51854	7.72074	7.80515	7.74569	7.32145	7.89722
TMEM22	7.47821	8.52275	8.01124	8.0757	6.77394	8.24973	5.71924	6.69951	7.85403	9.1851	7.61117	9.03131	7.47978	6.91121	5.58126	6.63002
TMEM22	4.43542	5.16562	4.12809	4.64269	5.2546	4.99704	3.98251	5.44224	3.99679	4.89454	5.46677	4.09708	4.62908	5.29733	5.04878	5.55753
TMEM22	6.66387	6.82876	5.66107	5.32848	6.67287	5.992	5.75308	4.98009	6.30722	7.51679	7.13978	6.84972	7.40123	7.10635	5.64126	6.74157
TMEM22	5.90663	6.36201	6.25347	5.60583	5.41468	5.18807	6.67922	6.30457	6.49246	5.31618	6.28605	6.24639	6.52919	5.88049	5.90267	5.82637
TMEM22	3.6565	3.6935	3.66581	3.89582	3.38334	2.45459	3.08298	3.73495	3.5404	3.70919	3.65785	3.52665	4.29511	3.44975	3.60386	3.71736
TMEM22	4.76131	4.05411	4.05867	4.64145	3.25331	3.34101	3.30487	4.19646	3.73419	3.35152	4.41697	4.71438	3.45301	3.37247	4.28519	3.98617

TMEM23	7.77298	8.09264	7.73143	7.99096	7.92842	7.81452	7.04216	6.80448	7.48683	8.20967	7.89962	7.7249	8.42097	7.86216	7.67251	7.7985
TMEM23	10.0385	7.92703	5.46829	9.44403	6.95554	6.02088	6.5997	6.66575	6.57044	5.35566	5.83859	7.57707	6.99189	7.71156	6.83449	6.38596
TMEM23	6.93224	3.91094	3.1264	5.63647	2.73769	2.96542	3.66585	3.57935	4.12287	3.14725	3.88943	3.62918	2.12789	4.16568	4.43135	3.18458
TMEM23	7.25163	5.9118	5.46928	6.39515	5.17349	5.8266	5.7207	6.59326	5.88125	6.25692	6.02979	6.92033	6.37253	6.42772	6.12693	5.86855
TMEM23	2.04089	2.18884	2.04684	3.79536	2.02496	1.78116	1.98828	2.43067	5.12838	4.29458	2.04035	2.84585	3.51845	1.92414	3.18863	1.85717
TMEM23	7.26761	6.67625	7.34377	6.92419	8.08028	7.46031	8.14808	6.55182	7.45941	7.98398	7.23624	7.50555	8.05323	7.90366	8.00713	7.92317
TMEM23	1.37327	2.94714	1.59211	1.96731	1.3442	1.32117	1.43866	1.14774	1.63986	1.35594	1.7041	2.07548	1.89786	1.4899	2.07498	1.62293
TMEM23	6.12974	5.93689	6.51464	6.3105	6.32595	6.38151	6.44533	6.04708	6.22725	6.35743	6.3768	6.47973	5.97943	6.5917	5.44182	6.04351
TMEM24	7.06035	6.65093	6.83168	7.19095	6.5732	6.89454	7.11366	7.21844	7.3061	7.07656	6.87459	6.86104	7.6443	7.00261	6.60354	6.79359
TMEM24	4.19574	4.66095	5.02124	4.53835	5.50142	4.76537	4.95776	5.41963	4.53	4.83543	4.44454	4.78762	5.08207	4.88224	5.45508	4.89403
TMEM24	8.8144	9.41373	9.47426	9.77946	9.23884	8.55383	7.25866	8.00978	7.85803	8.78938	8.22729	9.57128	8.45387	7.84679	9.19844	8.47386
TMEM24	8.05925	7.03044	7.34053	7.27669	7.21316	6.94016	6.74803	7.56096	7.48908	7.6668	7.46003	6.68978	6.95872	7.35274	7.4092	7.63045
TMEM24	6.94188	6.7284	5.41209	5.83723	4.94282	6.52517	6.54445	6.75341	6.68558	6.65253	5.84049	6.24509	5.98878	6.74635	5.05847	6.65613
TMEM24	7.83976	7.80556	8.28067	7.8749	8.36706	7.8917	6.93089	7.30736	7.99279	8.44931	8.01802	7.99608	7.06673	7.49773	7.94682	8.35528
TMEM25	4.53287	4.69108	4.59328	5.54631	4.31456	3.84025	4.70148	4.01912	4.01858	5.10291	4.74035	3.78428	3.27696	4.84997	4.35078	4.72113
TMEM25	8.14451	8.18643	8.19509	8.84227	8.17477	7.80515	5.78423	7.14114	7.70698	8.08617	8.53091	8.55517	9.02691	7.11898	7.50595	8.27393
TMEM25	5.62708	6.16426	6.54875	3.04143	5.68755	6.09904	5.96981	6.15898	6.24391	5.98834	6.0104	5.72192	6.8535	6.75745	6.36312	6.05071
TMEM25	4.07206	3.89893	3.93627	4.0617	3.81865	5.049	5.85495	3.85505	4.48532	5.066	6.18083	6.50184	6.30778	4.06652	5.56599	4.78652
TMEM25	7.08169	6.70654	6.2013	6.26907	6.05447	6.4813	6.07493	6.58127	6.1223	6.52505	5.19399	5.90555	6.34979	6.38675	6.59027	6.12252
TMEM25	6.38514	5.34983	6.28592	5.97448	5.65461	6.16481	5.57693	6.00675	5.48754	6.42722	3.08532	6.3109	4.73847	5.77062	6.29133	5.88338
TMEM25	4.52618	6.27768	5.2546	6.58963	5.88734	6.38241	7.52444	5.43993	6.88675	5.13192	5.3421	5.1725	6.02574	4.81051	5.4377	6.10352
TMEM25	6.24052	6.73138	6.67771	6.13206	5.93782	6.36778	7.14075	7.32536	6.07804	6.91674	6.37377	6.80944	6.60444	6.59136	6.39162	6.65173
TMEM25	8.77677	9.41517	8.19842	8.72368	7.94906	8.66033	7.29882	7.9949	7.98758	7.89638	8.20911	9.21885	9.60844	8.86149	8.00105	8.36455
TMEM25	4.45919	6.00736	6.35993	5.79795	6.46703	5.448	6.2013	4.10002	6.06551	5.55006	3.66652	3.53998	5.24633	5.56319	3.7365	4.94996
TMEM25	11.3436	11.8106	11.6343	11.8	11.2324	11.9321	11.6343	11.7733	11.3587	11.4272	11.1559	12.2974	11.9171	11.7002	11.1357	11.5751
TMEM25	5.52281	5.15554	5.27633	5.11814	5.57119	5.23875	5.48325	5.36761	5.50142	5.43505	5.46829	5.78435	5.77151	5.61148	5.30873	5.75607
TMEM26	1.60375	4.77515	2.65267	2.50291	2.10233	3.85447	3.79373	4.1399	2.61941	2.47565	4.31762	3.98346	5.01038	4.39545	4.06918	3.0606
TMEM26	7.39456	6.9961	7.60702	7.24802	7.43803	6.5732	6.40446	6.69863	6.71524	6.66158	6.87156	6.87563	6.7821	6.27228	6.7557	7.34486
TMEM26	8.02662	8.11688	7.42256	7.97233	7.65632	7.8236	7.22255	7.51081	7.47423	8.40382	7.37995	7.83082	7.50393	6.97459	7.23328	8.41589
TMEM26	3.98673	6.64251	3.89706	5.71324	5.57898	4.28649	3.73393	5.76347	5.37446	5.17323	4.07031	4.04754	4.30438	4.40268	3.8556	4.36849
TMEM26	8.85137	8.85614	9.93918	8.91007	10.0193	9.21274	8.90489	8.86149	8.95432	10.3502	8.63238	8.83277	8.53855	9.31073	9.06239	8.28122
TMEM27	5.87483	4.78107	4.97034	6.29269	6.80751	5.68938	6.12515	5.40572	5.93916	5.7037	4.04026	4.98079	6.93102	7.65647	6.96393	5.90425
TMEM30	8.53855	8.94789	9.21885	8.68396	9.11184	8.71563	9.30766	8.97528	9.15119	9.37098	8.69356	8.51853	8.58931	8.81505	9.01959	9.11385
TMEM30	5.10172	5.25573	4.98727	4.99435	5.17489	4.71037	4.52416	4.68101	5.15027	5.60909	4.70708	4.67276	5.19203	4.70927	4.69665	4.55761
TMEM31	6.09691	6.6308	4.9024	6.51631	5.13936	5.67044	6.2519	6.84472	5.72745	4.69665	6.38062	6.77815	6.79169	6.64123	6.73794	7.01235

TMEM33	7.5326	7.1585	7.03744	7.57459	7.54137	7.48101	8.04991	8.22001	7.03429	7.18473	7.45961	7.52841	7.5326	7.71299	7.3304	8.23685
TMEM35	5.05013	4.78107	2.11428	3.08274	5.68755	4.98736	2.75954	2.8638	2.81157	5.6242	4.09367	6.19642	4.59065	4.79512	4.58061	5.11359
TMEM37	6.24252	6.5997	5.6595	5.63045	5.43333	5.52677	5.69455	6.06884	5.65403	5.26744	5.40291	6.07023	5.57026	6.84366	4.98271	6.55976
TMEM38	7.22033	6.96543	6.72462	6.88215	6.86138	7.15739	7.23993	5.08644	4.64364	7.75348	5.98199	6.59208	6.26776	6.79723	6.35116	6.77848
TMEM38	5.13493	5.99473	5.76238	5.94415	7.04276	6.71221	7.1569	5.65551	6.41911	6.07787	7.11463	6.36178	6.55569	6.74587	7.2117	7.19055
TMEM39	6.95493	6.99346	7.12034	7.20233	7.68357	7.56307	7.48299	7.33274	6.95472	7.5148	6.70889	6.44576	7.41663	7.14332	7.46791	7.19524
TMEM39	5.7457	4.99527	6.50683	5.66468	6.43003	6.26604	5.4508	5.90165	6.56249	5.69464	5.64806	5.08443	6.73147	6.39959	6.1126	6.01582
TMEM40	6.78596	6.48414	6.44926	5.6896	6.16754	6.10828	7.2316	6.44014	6.52544	4.80177	8.07334	6.30689	7.01699	6.74019	6.50052	6.24397
TMEM41	6.84027	7.10488	6.58459	6.95023	7.58312	7.09664	7.29756	6.95333	7.8312	7.19582	7.26381	6.91121	7.41505	7.91877	7.34486	7.56995
TMEM41	8.90341	8.87832	8.76316	8.33735	9.2593	9.08188	9.04668	8.9537	9.29927	8.74665	8.66637	8.07186	8.62877	8.46562	8.72123	8.93046
TMEM42	7.8756	7.94351	7.80322	8.02714	7.59959	8.00842	7.27464	7.69174	8.1831	8.10916	7.68343	7.87951	8.1821	7.76197	7.35527	8.11962
TMEM43	5.89412	5.82355	6.40621	5.8864	5.92167	5.58778	5.94989	6.00325	6.21558	6.18661	6.1291	5.89265	5.11031	5.91869	5.53516	6.04203
TMEM44	7.31233	5.66035	6.10359	5.29702	5.32479	6.85834	6.40548	6.71186	6.9262	5.73937	6.42602	5.86057	6.03826	5.52702	5.55932	6.45207
TMEM44	7.49773	6.76951	5.95819	6.14705	6.33978	6.42499	6.98343	6.73545	6.31085	5.76953	6.20565	7.32214	5.89332	6.32063	6.78846	7.28538
TMEM45	8.9537	9.44929	8.99568	10.4743	8.88559	7.4383	9.41373	8.21298	8.77063	9.4722	7.59921	8.45057	8.29485	9.01959	9.43496	7.61366
TMEM45	8.96148	7.90044	7.28781	8.20539	5.01785	3.80815	4.4917	6.2843	6.40266	6.23778	7.89596	6.14853	3.75252	7.25345	4.49326	7.11435
TMEM47	6.10559	5.18508	6.81715	6.34052	5.27518	5.76027	5.14162	6.01665	5.64557	6.89979	6.59992	4.53215	5.76624	5.10428	5.46928	4.15054
TMEM5	8.50367	8.20539	7.9514	8.12782	8.64201	8.19149	8.73434	8.30299	8.66768	8.7622	8.32337	7.96217	8.20228	8.31666	8.40497	7.96537
TMEM50	9.73529	9.87831	10.3531	10.0342	10.2459	9.56807	9.71731	9.80267	9.59094	9.41373	9.52486	9.72748	10.058	9.6066	10.1365	10.0667
TMEM50	8.40549	7.58232	8.36563	8.18597	7.69867	7.9074	7.32123	7.96537	7.41093	8.19961	7.54991	8.02057	7.67994	7.26549	7.37944	7.48041
TMEM51	7.99147	7.50595	7.83761	7.30446	7.27451	7.41527	7.83799	8.06993	7.06965	7.67591	7.1008	7.60636	7.82676	7.04472	7.31824	7.63902
TMEM51	3.49203	2.66614	2.60621	2.78405	3.11375	3.29594	4.13561	3.39031	3.07787	3.08616	2.57664	3.4567	2.91429	3.25613	3.35412	3.37457
TMEM52	6.21237	4.45523	5.71788	5.51387	5.40426	6.07317	5.67516	5.87887	3.75611	6.54702	6.07237	6.12918	6.07671	5.93665	6.51043	5.82168
TMEM52	2.37329	4.2689	4.39215	4.99227	7.33347	5.34835	4.96187	6.5719	6.02598	2.66614	4.75008	3.46371	5.972	5.40055	5.42944	4.96263
TMEM53	7.70144	7.15229	6.69	6.90423	5.74628	6.71962	5.79645	5.94111	6.59954	6.79158	6.33042	7.74423	6.88011	5.97591	6.25692	5.03322
TMEM54	7.93267	7.67654	6.56886	6.52709	7.50752	7.30365	8.44703	6.13672	7.26929	7.29251	8.18026	6.87285	8.25798	8.9068	7.87876	8.13362
TMEM55	5.41746	6.17352	6.47531	6.21493	5.88955	6.91554	6.12808	4.34817	6.02598	7.11898	5.87957	4.78683	5.51045	4.34433	5.5419	5.30906
TMEM55	8.27087	7.86922	8.33433	8.00791	7.5985	8.0633	6.90303	8.17759	7.52337	7.8562	7.70241	8.72336	7.86145	7.82748	6.99294	7.55999
TMEM56	5.63345	4.78336	4.75221	4.69821	3.41778	3.26474	4.08829	5.1312	5.01851	7.14295	3.16446	3.08236	4.78005	3.89385	2.95492	3.7958
TMEM57	5.61352	6.42092	6.52442	6.2427	7.05554	4.67844	7.35822	5.89702	6.07849	5.76136	5.43291	5.41755	5.15041	7.39688	7.18675	6.31646
TMEM59	7.01967	6.05504	7.30921	7.00204	5.45881	6.5302	7.08123	6.86641	5.91616	7.10635	7.03987	5.41821	6.53487	5.50235	5.37108	7.09448
TMEM59	5.43457	3.59749	3.90511	2.81334	2.65839	3.6993	3.2194	3.0481	3.55701	2.57765	4.0196	3.19844	4.62473	5.26764	3.00483	4.10606
TMEM60	9.9764	10.7518	10.9309	10.4548	10.3531	10.8621	9.0046	9.98579	10.2374	10.3603	10.0722	10.5398	10.5276	9.42229	10.6212	10.7105
TMEM61	6.96017	5.12193	4.19503	6.44576	4.12453	5.38924	5.16804	4.20991	5.37062	6.95938	2.52439	5.69581	4.27078	2.13594	4.95023	4.74345
TMEM62	7.85515	7.47497	7.38474	7.07295	7.31075	7.06488	7.28113	7.32463	7.38443	6.8181	7.05554	7.12268	7.14746	7.38024	7.10271	7.5219

TMEM63	6.69213	5.09486	5.50191	6.03389	5.01553	5.63462	4.96694	4.24336	5.16778	6.61395	5.15466	5.88764	5.81537	5.56354	4.21911	5.05384
TMEM63	6.31876	6.37325	6.85641	6.18506	6.15168	6.96157	6.26604	6.79679	5.08822	5.87159	6.63615	6.50511	6.15765	6.79723	6.36928	6.7533
TMEM63	5.35597	5.59022	3.67421	3.73945	3.62835	4.00784	3.65785	4.03916	5.19212	4.86372	4.12946	4.78297	3.47767	4.07659	3.75151	5.05177
TMEM64	6.96616	7.45674	7.32963	7.47582	6.84429	7.27143	7.5749	7.33526	6.85738	6.9723	7.30991	6.97684	7.39781	7.48872	7.18953	7.40969
TMEM65	5.33833	5.94565	6.11665	7.68379	6.20838	6.71482	6.22582	5.67655	6.32531	5.82413	7.4234	5.87129	6.82452	6.53899	6.22725	5.14791
TMEM67	5.22391	5.15577	4.55761	5.09486	4.5873	3.81758	4.61765	4.85307	4.66241	3.43926	4.30874	3.85721	4.28379	4.70279	4.64455	3.84132
TMEM68	8.44434	7.81141	7.47951	7.99608	8.15909	7.72534	7.90099	7.90829	7.72243	7.56307	7.72349	7.22613	8.3527	8.08445	7.56462	8.57847
TMEM69	9.18959	9.24623	9.43496	9.06609	9.56326	9.82232	9.97929	9.92829	9.04465	8.75484	9.49038	9.81024	10.149	10.3833	9.98814	10.1581
TMEM70	7.22377	7.00902	7.82869	7.63682	7.95615	7.43803	7.82907	8.1282	7.7042	7.39669	7.62214	8.01367	8.09695	8.10055	7.98651	7.8236
TMEM71	8.36416	8.78798	8.17389	8.52003	7.44148	7.60563	7.22925	7.69565	7.42833	7.94931	6.63835	7.76017	5.94021	5.64899	7.23648	6.81608
TMEM72	4.17457	5.65342	4.54874	3.81063	3.28773	4.39335	3.66576	4.45472	3.68942	3.86323	4.11132	4.66353	3.62252	5.41972	5.32521	5.03249
TMEM72	6.45822	6.48103	5.56456	5.8181	5.9748	6.06363	5.50962	6.48178	3.95837	4.46314	3.91647	5.43811	6.87666	6.80143	5.56375	6.26933
TMEM74	4.17126	4.54667	4.47486	4.67447	5.05068	4.51459	4.91594	5.0671	5.0905	5.78133	4.56438	5.30133	4.95609	4.89403	4.47585	4.75492
TMEM74	3.17857	3.23142	4.13154	3.46996	2.65839	2.63321	3.8062	4.2959	3.38569	4.00874	3.41787	3.4402	4.0405	3.33112	3.84111	3.26138
TMEM75	3.04535	6.33362	5.44194	2.69863	5.62483	5.79169	6.04417	6.08585	5.7874	5.01	3.27847	5.78642	5.95982	5.71377	5.12829	5.08387
TMEM79	5.86446	6.81688	6.75415	6.10352	6.83787	6.7566	7.29617	6.98885	7.60537	6.49415	8.31327	7.17711	6.56239	7.10697	6.54488	7.44587
TMEM80	7.46613	7.61077	7.50665	7.06179	7.22985	7.74178	7.89992	7.69258	7.21296	7.62364	6.89356	7.75483	7.44518	7.32741	7.2235	7.29473
TMEM86	5.70279	5.86123	6.42897	6.17961	6.09528	5.91563	5.94789	6.20362	6.63642	6.06669	6.2599	6.2401	6.19616	5.42917	5.74373	6.51269
TMEM86	4.20928	5.28273	6.34341	4.63885	6.13292	6.31673	6.58391	6.03632	5.65192	5.88638	6.56491	6.0127	5.62298	5.78941	6.04278	5.15109
TMEM87	6.29559	6.34126	6.0856	6.88611	6.61915	6.35963	5.57947	6.28311	6.24092	6.95333	6.82022	6.21912	6.68395	6.4651	6.32921	6.80033
TMEM87	6.89723	6.61924	7.38533	6.87082	7.44518	7.10326	6.19599	6.32323	7.18918	7.11463	6.88201	6.76518	6.50096	6.31515	6.84758	6.97341
TMEM88	3.64066	3.01952	4.18506	3.38369	2.91487	3.85447	3.10453	4.5714	3.15245	3.93408	4.87602	5.88627	3.90551	3.9712	4.67029	3.66526
TMEM8A	6.92098	6.92033	6.58362	6.14938	6.56768	7.08476	5.92567	7.17804	7.77079	7.49883	7.03856	7.46174	6.73353	6.89231	6.54977	5.24505
TMEM8E	5.03287	4.49501	4.75793	5.01511	5.20337	5.04479	5.2358	2.32838	5.21961	6.26933	4.82924	5.69738	4.4821	4.76219	5.04246	5.39815
TMEM9	8.12631	7.18095	7.07914	7.39781	7.02998	8.10791	7.68291	6.14618	7.4416	8.02925	6.93883	8.24601	8.26204	7.98921	7.70929	8.12416
TMEM91	7.29889	5.81537	6.10171	3.66594	5.93462	5.34499	5.38235	5.83622	6.18427	6.57312	6.08337	6.47077	5.57521	6.31353	5.85419	3.97214
TMEM92	7.00374	6.12925	5.58076	5.81725	5.38153	5.45866	5.53088	4.38792	5.51949	6.06266	6.23007	5.59206	5.477	5.37249	5.65057	5.10864
TMEM95	6.99283	7.25259	6.98699	6.50618	6.40928	6.79925	6.09488	7.82145	7.2218	6.65447	6.68087	7.45515	7.5978	7.32572	7.47124	6.91272
TMEM97	7.41093	7.37585	6.56543	6.99449	7.45362	7.42977	8.19961	7.84645	7.45961	7.48235	7.6386	7.23313	8.23823	7.60433	7.49911	8.32756
TMEM98	8.22645	7.57964	7.07187	8.13334	3.26091	8.08258	3.68625	3.84143	5.46799	8.10716	6.32156	5.54883	8.38509	4.78265	5.77957	7.2442
TMEM99	9.88457	9.80516	9.02178	9.54637	8.78798	9.54485	9.31854	8.99157	9.22652	9.02178	8.87472	9.94429	9.43955	9.83438	9.73676	9.27414
TMEM9E	7.59959	8.17965	7.94991	7.95813	7.58648	6.70561	7.09188	7.51793	7.78913	7.46213	8.32931	8.43537	8.30299	7.73284	7.27807	7.42977
TMF1	7.71776	7.39834	7.74284	7.37885	7.26381	7.28797	7.20528	7.419	7.32518	7.46505	7.18953	6.86998	6.81648	6.68374	7.41297	7.51793
TMIE	4.3777	3.83749	6.20404	4.89975	4.8423	4.22923	5.25519	4.98318	4.40807	4.87271	3.95889	4.33243	4.20427	4.69014	4.05064	4.68783
TMIGD2	6.80143	6.51957	7.37495	7.09952	6.45198	6.65029	6.09034	7.39935	7.01879	7.3959	5.47332	6.67249	5.39073	7.01033	7.04587	5.66473

TMLHE	3.75099	4.44138	5.17737	4.15015	4.85711	5.3882	4.6592	5.14791	5.1418	4.9024	4.16955	5.20317	5.17686	5.10912	5.45391	4.86383
TMOD1	5.52496	6.05903	4.97269	5.2085	5.15758	6.19282	5.339	5.2845	4.85299	5.33553	6.29256	5.1794	5.52496	5.84195	5.94675	5.22886
TMOD2	4.36849	4.5817	4.99415	4.23458	5.88049	5.43226	5.82205	5.00797	4.9467	5.21937	4.50274	4.5873	4.9244	3.91828	5.06242	5.20466
TMOD3	5.66492	6.49246	6.26204	6.69601	6.70344	6.69137	6.26246	5.77971	6.49232	5.99097	6.65179	5.89483	6.92524	5.98826	6.70987	6.80813
TMPO	4.90758	5.9606	6.03469	5.97527	6.26067	5.44882	6.29719	5.22231	5.89465	4.67817	6.93962	5.31202	6.68609	5.7174	6.47473	6.37105
TMPO-A	2.40819	2.41683	3.09945	0.90097	1.60199	3.28947	1.54854	2.91144	3.2065	2.34717	4.95609	3.96659	1.89786	3.92481	3.41773	1.32709
TMPRSS	4.91054	5.67663	4.70118	5.94126	5.39382	5.69186	5.62801	6.41892	5.17602	5.50605	6.85607	4.93905	5.23232	5.06524	5.6718	5.24773
TMPRSS	7.80162	8.05225	6.4813	6.87781	5.91533	5.54525	6.65981	4.41679	5.74444	4.76479	8.51853	4.63261	4.4107	5.30223	5.96919	4.22871
TMPRSS	3.39513	4.00768	3.58903	3.6256	8.24826	3.37812	3.42552	3.60236	3.45216	3.68301	5.77642	3.19844	3.67703	6.35603	3.44194	3.79382
TMPRSS	5.39763	5.8273	5.51228	5.35512	5.14439	4.79243	5.84212	5.60903	4.99837	5.59567	5.36141	5.11486	5.58559	5.76562	5.07857	5.55993
TMPRSS	5.24253	4.55848	3.89582	4.08953	6.65991	4.44979	5.67655	4.66023	5.13629	3.94824	3.75304	5.00549	4.31363	4.4803	6.51546	7.12819
TMPRSS	5.63291	5.9645	5.83426	5.9118	5.54182	5.79475	6.32694	5.85761	5.10172	5.67328	5.75528	5.77903	6.04492	5.14439	5.66827	6.44674
TMPRSS	5.76118	5.59184	3.98331	5.00549	5.20358	3.87174	5.15309	4.42101	5.29048	6.58303	3.40023	4.05802	3.49996	4.59823	5.96015	4.46162
TMPRSS	7.43659	7.22892	6.24397	7.7196	5.96305	5.69505	5.51228	6.41408	6.46662	7.65092	6.33379	6.15798	5.10752	5.10092	5.26854	6.28381
TMPRSS	8.00769	8.77378	4.83036	8.29063	7.75239	7.39105	8.74814	7.80998	8.33874	7.99228	7.36632	7.38493	7.56186	7.94275	7.37662	7.94326
TMPRSS	6.22022	5.57353	5.47346	5.96999	4.31232	4.81041	5.47996	3.84143	4.87322	5.63576	5.08327	5.96795	5.98777	4.75817	5.25562	6.10352
TMPRSS	5.25952	4.02372	4.41255	4.5001	4.56255	4.88779	5.02373	5.27718	5.38226	4.82236	4.45447	4.03533	5.38559	5.25872	4.71358	5.15199
TMSB10	12.2135	12.6989	12.6803	12.5183	12.5511	12.5323	13.0559	12.6625	12.9525	11.9991	13.0559	12.9043	13.0559	12.6803	12.9525	12.9525
TMSB15I	4.99883	4.94502	4.40922	4.53637	5.47673	6.28422	6.2013	5.04171	4.94929	4.74035	4.9748	4.79449	6.10048	5.14737	5.48965	2.04035
TMSB4X	11.741	12.0835	12.3491	12.2974	12.2366	12.2011	10.3228	12.5041	12.5715	11.6606	12.2011	12.6076	11.9441	11.4919	12.4376	12.2456
TMSB4Y	7.04666	7.63497	7.43563	7.20098	6.60163	6.91554	6.61529	6.21452	6.95245	7.22574	6.59726	7.1566	7.21934	7.10583	6.31502	6.93102
TMTC1	5.82384	5.73429	7.14861	5.59746	7.39879	6.14347	6.90514	6.68938	6.31936	6.79541	6.44633	5.90795	4.75996	5.57367	7.16613	5.46243
TMTC2	5.86855	5.49916	6.16838	5.88955	5.36625	5.57261	5.95001	4.55446	3.89749	4.86772	5.06897	5.77587	4.71037	4.49757	5.24965	6.23366
TMTC3	6.52034	6.18497	6.39176	5.82871	7.71824	6.9108	7.76259	6.39389	6.78728	6.36727	6.39176	6.82297	7.29064	7.46926	7.53886	6.69137
TMTC4	5.58578	5.21878	5.40703	5.42632	5.46755	5.46851	7.11908	5.66145	5.51476	5.43712	6.16815	5.76275	6.23796	5.90223	5.81836	6.22616
TMUB1	6.10937	5.55964	6.19729	3.90548	4.68071	6.00893	6.36582	3.3596	5.9545	5.41838	7.01673	4.3486	5.90341	6.19649	3.41773	6.2844
TMUB2	7.47978	7.34016	6.94101	6.9799	7.159	7.32307	6.7903	7.04737	7.60382	7.16652	7.0247	6.96898	7.5872	7.40895	6.68823	7.14827
TMX1	6.34082	7.85776	7.16353	6.80563	8.06968	7.08736	6.43998	6.30759	8.23177	6.73482	8.77063	6.79643	7.59473	6.52278	7.53386	6.83168
TMX2	9.12408	8.77496	8.87832	8.40648	8.92473	9.33546	8.63277	8.69689	9.27986	9.39051	8.77753	9.43764	9.13461	9.64026	8.7032	8.85137
TMX3	6.11077	6.65352	7.31992	6.03191	6.78574	7.12545	6.70618	7.09595	7.22111	6.88927	7.00172	6.19499	7.17836	6.95233	7.10858	7.07111
TMX4	5.915	5.85707	6.16713	7.14827	6.12774	6.32955	5.37333	5.97448	7.03191	6.71221	7.15452	6.14498	6.1016	6.2605	6.14411	6.57234
TNAP	4.43162	3.72982	4.29326	3.95382	3.65448	3.54848	3.6755	3.6374	3.74437	4.39917	3.6751	3.88877	4.11891	3.64454	3.34075	2.7492
TNC	6.57677	6.56431	6.13088	5.94238	6.07116	5.93577	6.29494	5.40993	5.44017	6.24509	7.08476	5.80245	5.60785	5.05384	6.19599	6.40989
TNF	5.56883	6.49308	6.1566	5.93903	6.50763	6.47253	5.2563	6.64641	6.60342	5.28694	6.93864	6.04339	7.22267	4.97512	6.26834	4.9541
TNFAIP1	5.92694	5.41634	6.79309	6.41859	6.31876	6.84293	7.13124	7.40094	7.16464	7.20629	7.44743	6.26423	6.56956	6.85804	7.74644	6.28247

TNFAIP2	6.16183	7.0261	8.09094	7.46832	6.96375	7.86145	5.80388	8.09594	7.80469	6.41911	7.67128	7.61336	7.82828	7.33495	7.34856	7.71742
TNFAIP3	9.08658	9.26363	9.80267	9.00248	9.88929	9.21594	9.92959	9.62902	9.7968	7.66951	9.39668	9.24623	9.73221	10.371	9.91339	9.75247
TNFAIP6	5.10597	4.62196	7.37305	3.3441	7.76557	6.67817	7.37885	6.49835	6.52048	5.0069	7.72821	6.99449	7.92634	7.43769	9.29297	7.83193
TNFAIP8	8.76701	9.30484	9.38055	9.47711	9.14549	9.32624	9.04187	8.9973	8.79526	7.68033	9.04668	8.74347	8.88693	9.55257	8.82218	8.65312
TNFAIP8	10.6769	9.1846	8.38007	9.83019	7.36089	8.00143	8.20468	7.69946	7.90154	6.5845	7.99636	8.48679	7.33133	7.54578	7.68075	6.87583
TNFAIP8	6.93638	6.99083	7.21589	7.01673	6.51492	7.06955	6.7013	6.86932	7.36739	6.86445	6.86655	6.71017	6.65491	6.70719	6.98952	6.0061
TNFAIP8	2.77283	2.63607	2.95766	2.65796	2.18367	2.93381	2.78886	2.70064	3.38569	3.53934	2.73426	1.41969	2.17097	2.62575	2.21248	2.86424
TNFRSF1	5.82281	5.84343	5.80853	5.35416	5.44119	5.93937	6.18324	6.06691	5.92825	5.42842	6.04314	5.59792	5.35208	5.64632	4.38374	5.79752
TNFRSF1	6.51914	6.35116	5.25011	5.81961	6.65267	6.92148	7.73431	6.6832	7.16569	7.03517	6.91643	7.52337	7.81046	7.09619	6.87563	7.24474
TNFRSF1	4.80528	5.18283	5.21352	5.44017	5.16659	5.33954	4.60697	4.86873	4.52416	5.55605	4.9001	4.48323	5.82226	5.67467	4.77515	4.78444
TNFRSF1	4.86639	5.14641	5.08048	5.36466	4.37264	5.0714	4.24019	4.56634	4.90106	5.33582	5.09073	4.79283	4.67509	5.31378	4.3635	5.31934
TNFRSF1	6.27603	6.75444	6.17652	6.48263	9.26978	4.60738	6.86669	8.07963	6.28624	6.48013	5.94472	6.4803	6.65226	7.03987	7.68663	6.04328
TNFRSF1	5.39398	5.64126	8.35903	5.8191	7.10488	5.95435	5.44224	6.64301	5.91357	4.91924	5.76	4.71974	5.83304	6.14115	6.6179	8.11037
TNFRSF1	5.84574	6.76008	6.90942	5.21663	3.89996	7.19897	5.59967	3.81494	5.52482	6.76291	8.39657	7.268	7.01141	6.14859	5.41113	3.40822
TNFRSF1	6.83682	4.74876	6.41685	4.11572	7.19309	7.24674	6.96924	6.97033	7.49612	6.97291	5.75916	7.33649	7.13574	4.81051	6.89428	6.35338
TNFRSF1	4.18547	4.22688	4.84558	4.2786	5.63653	4.24599	6.21417	5.41625	4.25669	6.86445	5.53669	6.38308	4.46842	5.04615	4.09448	4.66581
TNFRSF1	9.09179	9.37829	9.21483	8.99433	8.62766	8.79526	8.87234	9.19498	9.4407	9.29696	9.11385	9.6193	9.3856	8.9255	8.6216	9.15245
TNFRSF1	6.43366	8.18994	8.92258	8.80992	7.28256	6.9634	5.48605	8.42443	8.24244	8.84532	5.38812	8.84845	6.93297	6.34532	7.3029	6.03336
TNFRSF1	5.83304	5.42419	6.06266	5.48131	5.11244	6.21797	5.76136	3.76953	5.94565	5.94675	5.90098	6.42772	5.77833	6.56032	5.1641	6.0522
TNFRSF1	5.30906	5.07913	5.15199	5.92522	5.14709	5.51949	4.89694	5.2467	4.64905	6.30023	4.26048	4.76092	2.58278	4.41538	5.70764	5.66227
TNFRSF1	7.64286	7.51793	7.64985	6.8053	7.59595	7.09751	7.12866	7.19321	8.02303	7.00204	7.92486	7.95785	6.8975	6.78628	7.45941	7.48264
TNFRSF1	6.72801	8.23714	8.86928	8.54726	8.58691	8.79982	7.7506	8.72483	9.19948	7.24656	8.76117	8.83036	6.58204	8.10173	8.36651	6.15746
TNFRSF2	8.69194	9.36543	7.85064	8.36086	8.56536	8.72673	8.53855	7.06945	9.08563	8.37975	7.53386	7.93177	8.26876	8.44788	8.65974	7.57931
TNFRSF2	4.21149	4.46375	4.03533	3.85069	5.54336	4.99603	5.26744	4.43669	5.1023	3.88656	4.07262	6.00101	3.74024	5.16241	5.66789	4.01542
TNFRSF4	4.37886	6.27345	5.30847	5.63541	5.93216	4.92034	4.92411	5.90869	6.24943	4.54077	5.57521	5.69663	6.43003	6.16685	5.83789	5.20433
TNFRSF8	5.69349	4.63759	6.24242	4.94042	4.98786	5.63076	6.16746	5.89117	4.27526	2.80132	8.01515	6.22659	6.49114	5.44248	6.73115	6.64326
TNFRSF9	4.88247	5.57585	4.79259	5.31202	5.63345	5.25218	5.80173	6.13585	4.8471	3.75928	5.7348	4.33712	4.99785	5.87597	5.51756	5.14236
TNFSF10	9.819	9.62162	9.9517	8.71707	9.41373	8.83956	10.3871	9.20103	10.2955	8.58931	9.99098	8.44288	9.65881	9.90783	10.0342	9.1851
TNFSF11	3.63542	4.43135	4.45488	4.1332	5.11285	5.35346	3.86449	3.93627	3.9093	3.24511	3.89706	4.49604	2.89649	4.30558	4.15015	2.56591
TNFSF13	9.12237	8.9287	9.18918	8.46182	8.47183	9.3733	6.42879	8.80719	9.15028	10.9989	8.86457	9.2421	8.73084	8.13794	8.8861	8.97353
TNFSF13	6.82404	9.70215	9.64364	9.2421	8.94789	9.85932	7.61683	10.0897	9.92959	7.2117	10.5911	9.52199	9.98406	7.52098	8.58419	9.23884
TNFSF14	4.52811	5.47673	5.94351	6.25012	5.13789	5.36312	5.2021	5.52355	6.59123	4.7492	4.54858	6.10997	4.64846	5.24471	5.16332	5.16078
TNFSF15	5.74749	6.2478	6.26266	6.01754	6.25296	7.73231	6.71221	6.92458	7.44712	7.38721	6.21138	6.70243	6.31723	6.85438	7.92703	6.98373
TNFSF18	5.3204	5.48313	5.06066	5.33567	4.95382	4.90919	4.64688	5.06322	5.38622	5.71898	5.58568	5.84458	6.23514	4.72155	5.96182	5.66749
TNFSF4	6.53172	6.61469	7.10409	5.71644	8.11291	8.17578	6.8975	6.99749	6.60618	6.11583	6.13349	7.03761	7.77242	8.02507	7.66483	7.03216

TNFSF8	4.22871	4.79259	4.45408	4.33509	4.81549	4.01336	3.80004	4.2803	4.82167	3.81566	4.0795	4.45332	4.50625	3.51424	4.61448	4.56757
TNFSF9	5.85869	6.47034	5.80143	6.22012	6.27391	6.1695	6.4034	3.98218	5.93654	5.91325	6.19018	6.62436	7.06373	6.14193	5.61273	6.87583
TNIK	4.51021	4.6666	4.79956	5.39833	5.60149	4.89253	5.68401	5.69738	5.47752	4.63031	5.77971	5.49356	5.35585	5.79211	5.76786	4.46146
TNIP1	6.67771	6.63216	7.03191	6.90134	6.64006	7.31288	6.80517	7.90998	7.22326	7.33981	7.18639	7.22787	6.47846	6.40185	6.63216	6.67073
TNIP2	7.90443	8.56598	8.41228	8.5825	8.37645	8.71838	7.63411	7.7845	8.75379	7.31427	8.71319	9.53098	8.78506	9.24332	8.12675	8.3687
TNIP3	1.44194	2.81246	1.82328	1.00034	2.89774	1.36658	0.93298	2.23712	4.43996	1.0625	7.12136	4.79894	4.44582	1.64103	3.01721	1.98412
TNK1	7.03044	7.12749	6.75072	7.1968	6.17866	7.15001	7.39781	7.69659	7.00837	7.29311	6.65633	7.1198	7.17043	7.08016	6.34603	6.77387
TNK2	4.71689	5.8431	5.49607	4.56473	4.6592	5.49524	4.92803	5.02145	5.05005	4.81196	4.86049	5.10201	5.44274	5.69909	5.10984	5.29608
TNK2-AS	5.84574	4.84572	6.26959	5.87492	6.03112	6.57895	6.21754	6.13354	6.36841	6.34438	5.5734	5.8148	6.67853	6.33808	5.9813	5.5419
TNKS	5.42776	5.06115	5.51629	5.35699	4.9748	5.69581	5.38915	5.14257	5.09122	5.51639	5.03472	5.82886	4.74277	5.22275	5.29608	5.38528
TNKS1B	4.01048	3.60842	3.59844	3.77125	4.17502	5.32626	4.41747	4.33496	4.65199	3.92077	4.40775	3.26763	3.25147	3.78375	3.27847	3.01871
TNKS2	4.11653	3.94083	5.25974	4.01078	3.98857	3.89038	4.31641	3.74247	5.09749	4.36302	4.46592	3.65431	4.20048	3.837	4.04587	4.00169
TNMD	1.60375	2.23621	1.41969	0.47227	0.75071	0.89896	1.95222	0.82494	2.50218	1.43866	0.48812	1.01454	0.86502	0.73695	2.21248	2.01298
TNN	6.83179	5.9868	6.57801	5.83848	6.51748	3.88596	5.01022	5.77447	5.93318	5.43853	5.61563	4.92491	6.03398	5.2602	8.52577	4.34302
TNNC1	4.24384	3.69964	3.95055	4.9537	4.42618	4.76146	3.49217	6.25805	3.63964	3.95892	4.22425	3.99715	3.55868	3.78375	4.1596	3.83921
TNNC2	2.44059	3.12278	2.89422	3.02476	2.91487	2.83735	2.96225	2.55884	3.27349	6.33978	4.17832	3.50641	3.44604	2.48051	3.08134	2.73131
TNNI1	1.92303	2.23621	2.02586	1.77186	1.80599	1.68859	1.68451	2.30474	1.92414	1.87612	1.91586	1.80953	1.86408	2.05268	1.55502	1.80953
TNNI2	3.06503	4.33402	3.66581	5.80097	6.25144	5.12651	6.48861	2.81438	3.19069	5.43291	3.46534	4.78986	3.50584	3.94866	5.46774	3.29988
TNNI3	6.82592	5.41954	4.52824	6.21493	5.63203	5.81617	4.47708	6.15282	5.20282	4.79873	6.33835	4.542	6.0682	5.7495	4.35703	5.62406
TNNI3K	5.41227	5.493	5.09112	5.49937	5.80173	4.53909	5.16804	3.88575	3.86642	4.49669	4.73761	4.17474	3.34323	3.85416	5.30979	5.25031
TNNT1	1.70087	1.35876	2.02586	1.93131	2.1445	2.18538	4.7616	1.61881	6.49724	3.68301	6.5943	3.04581	3.9262	1.6809	3.86469	6.7472
TNNT2	5.37466	5.23907	5.48056	4.84961	5.74889	4.6954	5.48228	5.40703	5.03131	5.67314	4.99435	4.74107	5.28056	5.52153	5.0999	5.04479
TNNT3	6.63967	6.62814	6.64176	6.32129	5.77492	5.9336	6.7248	6.90705	5.84922	6.19634	5.71535	5.26002	6.46578	6.10124	6.98908	5.92045
TNP1	6.13342	6.3538	5.58275	6.36484	4.99272	4.97295	6.46685	6.37303	6.45401	5.6242	5.55582	6.66751	5.71403	5.11206	5.49854	6.33896
TNP2	4.31108	3.61317	3.00529	4.20465	3.79846	4.54346	3.49845	4.36262	4.42897	3.90886	4.52689	3.56581	2.87454	4.59901	4.14737	4.34603
TNPO1	7.38774	6.93883	7.52841	7.53191	6.73608	7.51567	8.0757	7.20856	7.45153	7.26107	7.90962	7.6948	7.7899	7.59935	7.1324	7.22296
TNPO2	5.32334	5.88618	5.43226	5.23146	5.17955	4.99958	5.32348	4.82016	5.06585	5.47008	5.26645	5.23459	5.42419	5.64395	4.71298	5.0244
TNPO3	6.91333	7.07804	7.23122	7.07869	7.37813	7.45051	7.66915	7.3965	7.71422	7.15875	7.42907	6.82022	6.94256	7.45295	7.48872	7.11224
TNR	4.33389	5.59343	4.68296	4.45148	5.41662	4.55271	3.98218	4.31963	4.50924	4.14769	5.84449	3.9922	3.58161	5.49958	4.47382	4.45763
TNRC18	4.99603	5.66899	5.43076	5.02637	5.12193	5.21176	5.63813	5.42917	5.05653	5.23211	4.71325	5.14439	5.04313	5.22818	5.2949	5.0069
TNRC6A	5.56612	5.30361	6.05003	5.6314	5.60909	5.72153	5.26039	5.31821	5.2192	5.6896	5.22858	5.5224	5.57693	5.5046	5.8691	5.80008
TNRC6B	6.46578	6.52948	7.05162	7.29733	5.78301	7.15875	6.98593	5.8691	6.77308	6.31677	5.55827	6.18631	5.68975	6.32848	6.38407	5.66353
TNRC6C	4.33436	4.83353	5.21176	4.91553	4.6787	4.98849	5.06334	4.77797	5.31252	4.70767	5.54336	5.47008	5.32123	4.62587	5.00115	5.0418
TNRC6C-	5.20228	6.16754	5.35506	5.86436	6.53713	5.63182	6.82917	6.59103	6.72765	5.6367	4.85676	5.78145	5.46755	5.5809	5.88708	5.16289
TNS1	6.17432	5.32165	6.03682	6.37253	5.78528	5.78504	5.88749	6.21586	5.9567	6.93009	6.15224	5.77843	5.07404	5.11909	5.63541	4.55308

TNS3	6.69916	6.87988	7.64749	6.73753	6.76679	6.63175	7.30569	6.6164	7.58901	7.49549	7.89362	8.17734	7.02091	6.82297	6.39306	7.9141
TNS4	5.33851	4.95084	5.60707	5.23459	5.0271	6.17117	6.11163	5.62987	5.15356	5.09612	5.32165	4.89718	5.94133	5.12813	5.11563	4.62626
TNXB	5.53995	5.81398	5.34812	5.80924	4.85602	5.20401	6.11965	5.86507	5.35628	5.08852	5.52355	6.21767	4.8375	5.0435	4.86274	5.39705
TOB1	10.5954	9.72748	9.93446	9.99098	9.93446	9.80078	10.6273	9.19844	10.2444	10.7178	8.9799	8.60447	9.86158	9.41517	9.61157	10.6392
TOB1-AS	6.90904	5.44046	4.19043	6.13028	5.81113	3.99858	7.03614	5.73085	6.06266	3.6977	6.04696	6.38607	6.43689	5.82543	6.36312	5.96539
TOB2	5.79337	5.09612	5.43485	5.14525	5.07199	5.25494	5.42963	5.00284	5.45055	5.31252	5.86855	5.54416	5.34835	4.67368	5.36443	5.56418
TOE1	7.39494	7.44529	7.60227	7.33347	7.50471	7.40507	6.96924	7.1645	7.0306	7.34719	6.86436	7.61253	7.43992	7.9442	7.55846	7.6371
TOLLIP	5.83219	6.04735	5.63629	6.38216	5.64319	5.9363	5.71282	5.71282	5.85412	5.72931	5.48393	6.92419	6.34341	5.39252	5.46062	5.90555
TOLLIP-/	5.38994	5.91605	3.78517	5.13767	3.18522	6.22214	5.6314	5.73921	3.13363	5.68695	5.72903	5.51639	5.42917	5.05858	2.93032	3.60117
TOM1	5.47317	5.79497	3.42172	5.517	5.67026	4.18599	3.29192	3.61778	5.48754	5.36023	7.63667	6.15139	5.39073	3.31071	5.35208	5.04804
TOM1L1	7.49457	7.12112	6.41115	7.01461	7.57423	6.8975	8.51784	6.96229	6.39658	7.62153	5.96974	4.91623	7.1342	7.96038	7.55386	7.92399
TOM1L2	5.57186	5.61012	5.65251	5.36067	5.52553	5.69841	5.54853	6.01819	5.57221	5.28471	5.6558	5.73217	5.66433	5.65526	5.33026	5.51756
TOMM20	9.47897	9.74251	9.63482	9.97929	10.1088	9.40267	9.15119	9.19001	9.50597	9.98814	9.23508	10.0697	9.80853	9.56952	9.57819	9.99653
TOMM22	3.93408	5.84328	4.69181	3.74769	5.95773	4.67029	6.63908	5.32805	6.80762	4.62832	6.04631	6.57921	6.08176	5.75961	5.83323	5.68888
TOMM34	7.60012	8.22019	7.87018	7.50471	8.08705	7.43605	8.15382	8.53555	8.56079	7.29139	7.66727	7.46294	8.35311	8.55727	8.41642	7.77654
TOMM40	7.76388	7.9855	7.61243	7.5649	7.91303	8.26506	8.35355	7.93681	7.89942	7.90236	8.41252	8.69522	8.53091	8.76117	7.55559	8.10716
TOMM40	5.52355	6.59641	6.51946	4.9083	6.92033	6.0054	7.25866	7.4605	7.36109	6.80782	7.3775	4.96683	6.88982	6.6676	4.03231	6.91448
TOMM5	8.86457	9.72612	8.83871	9.89394	9.56208	9.95652	9.89146	10.3531	9.27564	9.11939	10.058	10.1952	9.91866	9.12408	8.9415	10.7421
TOMM70	8.46182	7.41994	8.59366	7.7028	8.76046	8.3527	9.04808	9.41373	9.03229	8.89519	8.65235	8.55452	8.73434	8.71998	9.45824	8.96611
TONSL	4.10722	3.33153	4.42688	3.54347	4.02162	4.10052	4.12557	4.16747	2.98881	4.09708	2.82798	3.84757	4.34217	4.09796	3.28382	3.54065
TOP1	7.66014	6.88035	8.18753	8.0775	5.49837	8.01932	7.93978	6.01229	7.99407	6.79883	7.99727	7.78837	7.75166	7.19639	6.87418	7.13792
TOP1MT	6.70196	6.71288	6.86104	6.87888	6.88661	7.04132	7.65979	7.12268	6.64006	6.71256	6.89412	7.15273	6.98662	8.02346	7.21508	7.19188
TOP1P2	1.97947	2.03885	2.71916	3.03207	2.24203	1.39427	2.12466	2.51392	2.58128	1.32308	3.07245	3.67633	2.21637	2.26823	2.05268	1.08394
TOP2A	5.72497	5.438	6.26604	4.81528	5.23969	5.9226	6.77427	5.4729	6.23094	3.57935	7.31362	4.55632	7.14059	5.2376	6.06141	6.95361
TOP2B	10.0868	10.3531	10.5276	10.3679	11.3844	10.6351	10.149	10.7178	10.1211	10.0415	10.1211	10.794	9.38206	9.16038	10.7652	10.99
TOP3A	5.92461	5.72477	5.47514	5.30388	6.36226	6.67897	6.90439	6.36353	6.01839	6.75957	6.09202	6.63193	6.24793	6.04396	6.35947	6.26381
TOP3B	3.93142	3.10589	3.05024	3.0739	3.36123	2.69205	4.02201	4.12453	2.9127	2.9662	3.19256	3.47644	3.56937	3.6691	3.11326	3.37486
TOPBP1	8.22515	8.24533	8.91327	8.48593	9.31793	8.90934	8.99912	8.96335	9.0707	8.25718	9.23642	8.28261	8.78616	8.05562	9.05969	9.46488
TOPORS	6.78671	6.52222	7.36109	7.05101	7.19625	6.06363	6.52041	5.44975	6.55768	6.53737	6.76172	6.0106	6.43871	6.61115	7.05774	6.90931
TOPORS-	7.36564	7.25954	5.8691	7.67128	6.53353	6.6827	5.96919	7.11224	5.88924	6.49982	7.41994	6.92499	7.91831	5.76224	6.13194	7.70673
TOR1A	6.10535	6.15584	6.05975	6.50835	5.77613	6.10931	5.31136	6.27672	6.00128	5.56872	6.53843	6.59699	6.32531	6.21697	6.2126	6.54082
TOR1AIF	5.92381	6.82452	6.1846	6.20644	6.49559	6.42921	6.27109	6.41563	6.01167	5.74427	6.57541	6.2291	6.3909	6.48913	6.83752	5.99473
TOR1AIF	4.88484	4.96105	5.44093	4.65694	5.99097	5.82012	5.52397	5.40376	5.74329	4.77269	5.3531	4.9742	5.59343	5.87367	5.40915	5.83738
TOR1B	6.41254	6.53383	7.46733	6.53849	7.28842	7.2851	6.66656	7.1266	7.42074	7.33712	7.22828	7.0099	7.1559	6.35887	6.99156	7.09901
TOR2A	2.08404	3.36263	2.0122	3.01667	2.45816	3.1264	1.93556	2.41716	3.18458	2.18334	3.40139	3.0279	2.47629	2.58835	2.09472	2.39593

TOR3A	7.63825	8.36439	8.26134	7.7249	7.89596	7.84487	7.31075	7.68033	8.15094	7.46257	7.5063	8.76701	8.41119	7.91508	7.84024	8.74734
TOR4A	2.3203	3.6256	3.22893	2.34674	1.71988	2.73661	2.57444	2.32175	2.72127	1.99228	3.24902	3.01133	2.44654	2.2111	2.42499	2.00052
TOX	5.77073	6.88319	6.66869	7.04973	6.82962	6.82086	6.10715	6.11045	6.3843	6.26566	5.56103	6.80592	6.69783	6.11535	6.6174	5.50686
TOX2	4.96737	6.59871	6.87082	6.3828	6.91735	6.38904	5.59155	6.4299	7.56307	5.82603	8.1411	6.77204	4.81507	6.18489	6.41092	5.15376
TOX3	7.48041	6.46461	6.73292	6.77061	3.60965	4.33979	4.3961	3.12245	5.82515	6.97485	2.72712	3.85758	3.24205	4.008	2.68229	3.11375
TOX4	6.31191	6.02997	6.46826	6.71288	5.65565	6.42945	5.89071	6.45625	6.51878	6.24726	6.23972	6.62295	6.47337	5.66519	5.82175	5.74393
TP53	5.29621	5.73816	4.55677	3.91498	6.07712	5.73265	5.04222	5.28201	6.06141	4.88598	5.65342	5.95836	5.18485	5.18461	6.02379	6.09034
TP53AIP	5.40993	4.72646	4.09346	5.11171	4.77905	4.36824	4.81676	3.24563	3.60275	4.4613	5.35145	4.44321	5.83775	5.59535	5.12383	4.28659
TP53BP1	4.84997	4.51847	4.90822	4.52354	4.73561	4.74756	4.57597	4.92321	5.05722	4.78736	4.58104	4.82694	4.49983	4.79956	4.70214	5.21453
TP53BP2	8.03847	7.8991	8.21327	8.00791	8.71077	8.03074	8.32463	7.15085	8.52475	8.09628	8.79526	7.65275	8.34518	7.87198	8.95622	9.22889
TP53I11	4.51992	4.35656	4.28309	4.46421	4.37613	5.30672	5.22148	4.54221	4.62263	3.43977	5.18263	4.89126	4.25882	4.97749	3.90886	3.54495
TP53I13	7.62195	6.67057	6.6127	7.45894	4.51886	7.28998	6.16746	4.36705	3.95837	6.29245	4.37803	7.03012	6.47973	6.77286	6.14843	4.57163
TP53I3	9.06609	8.54009	8.10118	8.5569	7.60636	8.5194	7.56639	7.32663	8.1498	8.9171	8.31881	8.80792	8.48593	8.27775	7.59573	8.34166
TP53INP	5.55652	6.26933	5.5763	5.45866	5.92319	5.30024	5.5234	5.74968	5.6104	5.74393	5.35918	5.50898	4.96785	5.2021	5.53244	5.43076
TP53INP	9.18298	8.30225	7.80799	8.33246	8.0117	8.00881	7.85403	7.33157	8.50367	8.37378	8.03444	7.90812	7.45587	7.54501	8.01756	6.96042
TP53RK	6.81668	7.04923	6.28487	7.18439	6.84366	6.91871	6.78753	6.17911	6.67683	6.58884	7.20976	6.80155	7.0964	7.04132	7.18699	7.13731
TP53TG1	7.90998	7.67711	6.75273	7.38556	7.78725	8.08303	8.32521	7.51829	7.46068	6.77933	7.32463	8.10173	8.9537	8.53486	8.70076	7.99147
TP53TG5	4.92903	4.60294	4.8246	5.44903	5.4942	4.61145	5.13528	4.96454	4.23681	4.83247	5.73816	5.38032	4.86718	5.54517	5.18956	5.68495
TP63	4.93594	5.0758	5.33406	5.09201	5.56147	5.30772	5.56523	5.5734	5.19496	5.53003	5.92786	5.84153	5.66409	5.35652	5.35608	5.21788
TP73	4.86049	5.72153	4.25751	5.68579	5.78927	4.21547	5.07278	3.75676	5.04828	5.07199	4.49101	5.7021	5.0631	5.87211	4.82254	4.9341
TP73-AS	7.07521	6.26018	6.05626	6.45428	6.65877	5.49238	6.11204	6.39736	6.90468	6.99169	6.08828	6.64176	7.06708	6.73883	7.02669	5.49394
TPBG	7.61431	6.30722	6.39865	5.85696	7.09122	7.24474	7.62564	5.35106	6.70889	6.24286	6.4043	6.19879	6.46154	7.61148	7.33114	7.34115
TPBGL	5.972	6.28525	5.85696	6.70066	6.27654	7.15633	6.35015	5.40572	6.88935	6.62647	6.34906	6.06289	6.31284	6.621	6.2574	5.54772
TPCN1	7.39425	7.32487	7.13275	7.46283	6.81149	6.93602	6.66367	7.49794	7.09664	7.32679	6.59787	7.37167	6.98426	7.36274	7.41771	7.33255
TPCN2	4.92969	5.92139	5.73131	5.13232	5.99171	5.64185	5.96744	5.39073	5.44924	5.74444	6.46304	6.04417	5.06279	5.63098	5.55482	5.52733
TPD52	7.41172	8.08385	8.40189	8.06643	8.34556	7.49911	8.7731	8.23177	8.26602	8.46832	6.89788	7.92358	8.12039	8.60522	8.05282	8.08303
TPD52L1	6.25347	6.19683	6.28712	5.54077	5.08656	5.6132	6.30023	6.27798	6.00325	8.79617	6.22799	6.49124	5.11788	6.16895	5.72192	5.8734
TPD52L2	8.89592	8.89663	8.90648	7.98493	9.11537	8.67455	8.53336	8.55517	8.65818	9.48779	9.68889	8.88814	9.30766	9.28207	8.72304	9.33951
TPD52L3	4.89146	4.85376	4.45539	5.11553	5.53967	4.22425	5.117	4.94152	4.84181	4.74768	4.27754	3.80815	5.80324	5.23682	4.70305	5.25428
TPGS1	3.03549	2.97258	2.67587	3.15124	2.2766	3.00359	1.65115	1.9808	2.48507	3.04121	2.31323	4.09091	2.99117	3.42226	1.86408	2.98959
TPGS2	6.09956	6.50979	6.4906	6.65283	6.80627	6.89099	7.27934	6.42572	6.86122	6.35895	6.48497	6.38787	7.40259	6.99169	6.8966	6.60068
TPH1	3.27215	4.02241	3.172	3.32868	3.78955	3.37079	3.51424	3.03907	3.49001	2.8652	3.13119	3.31287	3.18721	3.1586	4.17016	3.32527
TPH2	4.8012	3.83303	5.37093	4.91294	4.5743	4.44183	5.42833	3.19037	5.12092	5.57193	4.55066	4.39036	5.39578	5.65877	4.26797	4.2961
TPI1	8.97654	9.42229	8.69776	8.82789	9.98579	9.09718	9.86652	9.54936	9.87831	9.10446	9.56208	9.28266	9.85557	10.1246	10.2725	9.47897
TPK1	4.75073	5.30873	4.9001	5.73636	5.66394	4.52282	4.25735	5.80282	5.72971	4.98359	6.69937	4.95724	5.70455	3.99774	6.78637	4.92622

TPM1	6.27066	6.35947	6.36638	6.75718	6.56272	6.86703	7.19334	7.28242	6.6596	8.36086	6.83474	7.30766	6.85101	7.18473	6.49232	6.58567
TPM2	4.49501	3.75304	4.52625	4.86513	4.93441	4.9467	4.14676	4.21672	4.53792	6.0044	5.10469	5.10247	4.2994	5.09145	4.65792	4.75563
TPM3	5.8691	6.28402	5.6175	5.86382	5.76919	5.98768	6.55768	5.70847	6.14165	5.71771	6.76518	6.00809	6.04328	6.18795	6.29513	6.63846
TPM4	4.73656	6.533	6.57453	6.18795	6.52442	6.21586	5.88699	6.33199	6.51775	6.94963	7.24262	6.48682	6.47531	5.67397	5.93654	5.53215
TPMT	6.3009	6.91333	6.51815	6.94792	6.95472	7.14209	7.16505	7.08097	6.92658	6.3778	6.99808	6.66684	7.21275	7.14616	7.01407	7.08796
TPO	2.96659	2.29438	3.51672	2.92162	1.88842	2.88086	2.96225	3.39861	1.69898	4.81582	2.07483	2.89774	1.11444	2.48051	2.78105	2.49784
TPP1	6.35718	6.18849	6.79839	6.76973	6.50696	7.01816	6.60967	6.97123	7.51249	6.81827	6.92754	7.35544	6.7568	6.55493	6.24425	6.32423
TPP2	4.14568	4.42491	4.77693	4.46011	5.10366	4.56051	4.66492	5.69071	4.51349	5.15281	5.00238	4.82105	5.21176	4.76445	4.78407	4.63277
TPPP	6.18515	4.53029	4.60738	4.92302	4.23787	4.25033	4.80626	3.62626	4.17094	5.23337	4.68985	4.64112	4.03533	4.36479	3.90216	3.37574
TPPP2	5.03914	3.83921	4.12004	4.45424	3.71057	4.09878	3.85416	4.28687	5.74926	4.57021	3.42499	5.48278	5.09667	3.912	5.30102	3.44868
TPPP3	10.1813	8.25013	5.34947	9.72915	3.12473	6.02988	3.47278	3.19037	6.83917	5.36306	4.04026	7.02908	4.05757	5.63684	3.4886	3.60117
TPR	6.07392	6.2885	6.64131	6.36922	6.08635	5.65432	7.76155	6.26566	6.94865	6.19667	5.7441	6.32085	6.0522	5.54631	6.43854	7.19145
TPRA1	6.63529	6.40851	5.52187	6.14965	5.50313	6.1732	5.22236	5.57186	6.16248	6.47812	7.00009	7.04066	6.52681	6.08128	5.44505	6.09746
TPRG1	6.97736	6.73138	6.02901	6.92086	7.94735	6.30551	6.37377	6.76064	5.70415	3.85542	6.94742	6.86297	7.33244	7.48326	7.00638	6.6127
TPRG1L	10.0791	9.97015	8.76627	9.52327	9.10897	8.4612	9.97015	8.9415	9.3733	10.2496	8.16518	8.75206	8.58419	10.2011	9.53788	8.7592
TPRKB	8.64669	9.71731	9.51497	9.85394	9.73221	10.0722	10.2398	10.167	8.81846	8.67002	10.0629	9.23642	10.545	9.7449	10.1088	10.4836
TPRN	7.20332	6.50729	4.94613	4.79981	6.5719	6.69488	6.65267	6.46239	7.59235	6.56076	6.55245	6.42535	6.66557	6.76613	6.48805	7.28867
TPRXL	3.76841	4.31399	4.6804	5.25003	5.95171	4.2936	4.22754	5.81033	3.60923	4.41097	4.05647	4.63261	3.77256	4.07659	4.31059	5.02623
TPSAB1	3.20427	3.44491	3.6025	3.44955	3.19458	3.9012	3.32397	2.89801	3.72115	3.36509	3.28265	3.45794	2.95663	3.1863	3.19458	2.75807
TPSB2	4.38384	5.23593	6.27641	4.91782	4.79167	5.448	3.8062	5.44583	5.58003	3.87941	4.60207	5.96795	3.28382	4.65943	5.1212	3.42878
TPSD1	3.9591	4.13063	3.77762	3.94629	3.38334	3.76182	5.13757	2.40011	3.74437	3.80685	4.17832	2.63249	3.89335	5.23003	2.3168	5.46398
TPSG1	4.30102	4.03498	3.91647	3.6993	3.6922	3.93664	3.74769	3.92749	3.90229	3.7682	4.132	3.91237	3.73495	4.44959	4.40873	3.63765
TPST1	8.73434	8.09341	7.91573	8.04634	8.29063	8.8053	7.98493	7.88441	7.8664	7.69867	7.79998	8.24077	8.01668	8.15953	8.74814	7.96835
TPST2	7.26232	7.92001	8.86357	7.90591	8.3496	8.21756	8.61099	9.55332	8.88814	8.74347	8.49271	8.73206	8.45462	8.47658	9.2077	7.98276
TPT1-AS	4.79935	4.08527	4.68985	3.88236	4.42755	5.20552	4.6811	3.20152	4.35788	5.68843	4.48131	4.70927	3.94359	4.59267	4.28545	4.25972
TPT1P8	4.77121	5.14382	6.00079	6.40584	5.49591	6.42868	5.65558	3.32868	5.69444	6.3317	6.08511	6.47236	5.58559	5.92496	5.51275	6.48445
TPTE	2.23882	3.91554	3.23213	2.73925	4.67141	3.65332	4.14005	2.55884	1.26079	2.63576	2.99709	3.73633	2.42653	3.90216	4.08195	4.66581
TPTE2P5	4.84933	4.45019	3.82111	4.33712	3.99755	4.30583	5.26053	4.5817	4.09878	4.59949	3.97703	4.38792	4.17313	4.07376	4.50759	4.49249
TPTE2P6	6.70872	5.86819	5.59274	5.4746	3.53849	4.69149	2.81469	6.56557	5.14293	6.2132	5.07244	5.04878	5.39073	4.59647	4.82547	4.86201
TPTEP1	5.91806	5.60393	4.66095	6.36989	4.94341	5.10366	5.73868	5.6401	5.01151	6.16959	5.16305	5.02851	5.29804	5.48325	6.51724	5.37698
TPX2	4.12999	5.9265	5.49251	6.24835	7.87861	6.8266	7.38282	7.32949	7.16707	5.63956	7.78599	7.03111	6.97577	7.93833	7.26026	7.39144
TRA2A	6.23931	5.8529	6.00833	5.80863	5.17777	5.97729	6.14304	5.10776	5.88796	5.52496	5.48088	5.5775	5.18508	5.96305	5.89679	6.32595
TRA2B	6.36119	7.72291	7.15152	7.76045	7.93282	7.7249	7.83154	7.24216	7.56597	7.07946	8.10309	7.6003	7.78199	7.61077	7.01338	7.50291
TRABD	4.80326	4.83068	4.18699	4.09427	4.52282	3.98788	4.40686	4.63246	4.53909	3.83387	5.52109	5.75151	4.71531	3.5496	5.08025	4.09001
TRABD2	6.18943	6.06726	6.59193	6.05798	6.06636	6.39586	6.06074	6.23199	5.65486	5.49777	6.16183	6.59293	5.88373	6.02713	5.84642	7.31648

TRABD2	4.59074	4.56413	4.65199	4.80682	4.72028	5.03997	5.04828	4.76854	4.47992	5.05177	4.2226	4.34414	4.27381	4.62548	4.48907	4.50847
TRAC	6.66367	7.93251	8.24077	8.54592	8.18753	6.93041	7.3395	8.68624	8.63277	6.42442	7.88746	8.11142	7.98688	6.84053	8.16376	7.82408
TRADD	7.05651	6.88076	6.86866	7.00599	6.57712	6.52996	6.3267	6.63953	7.16758	6.8352	7.43279	7.91273	7.38822	6.94374	6.70956	6.53163
TRAF1	4.66526	5.28081	4.84684	5.35438	6.14874	6.2401	5.21912	6.72689	6.07014	4.11511	6.28945	6.3927	5.93821	7.06455	6.2407	6.36743
TRAF2	6.06417	6.47142	3.86359	5.60876	6.9667	5.18553	6.26102	4.34817	6.48682	4.06894	6.23752	6.43048	5.39578	7.78725	2.95994	6.59011
TRAF3	7.41663	7.92449	7.53155	7.71422	8.34166	7.48119	5.34279	8.23028	8.00083	6.89348	7.43963	7.83054	7.63154	7.9514	8.01193	7.66537
TRAF3IP	7.51329	7.46409	6.23723	8.05282	6.59837	7.56707	7.23475	6.58707	6.08422	6.48435	6.47269	7.03226	7.26232	6.8232	6.03728	6.12998
TRAF3IP	5.83143	4.5892	4.75966	5.37386	6.10848	6.63311	6.08375	4.97201	5.50829	4.89804	5.66492	4.83993	4.98558	6.76871	6.22736	4.48131
TRAF3IP	4.2689	4.50783	4.9251	4.83933	4.53056	4.92829	4.31594	4.91623	4.2978	4.80306	4.88397	4.11186	4.0856	4.26699	4.34089	4.90779
TRAF3IP	5.96359	6.74779	7.08988	7.41022	6.16214	6.89281	5.30102	6.64978	6.82702	5.14656	6.78662	7.10387	5.37172	4.93738	6.1163	5.65506
TRAF4	6.68097	6.18324	6.20878	5.86985	5.91749	5.32082	6.06308	5.61291	5.47803	6.21509	5.83	5.77214	6.39148	5.90723	5.74785	5.57494
TRAF5	6.58393	7.20038	7.15716	7.11008	5.83892	6.91517	6.45718	5.98895	6.19616	6.86908	5.97543	7.07175	7.14091	6.53593	6.73828	6.96254
TRAF6	7.16078	6.60794	6.76807	6.44906	7.01816	7.13403	7.38024	6.98769	7.36361	6.33219	6.76973	6.8519	5.53911	6.9564	7.11008	6.98629
TRAF7	5.1647	5.36067	5.43557	4.96429	5.25807	5.42199	4.86655	5.26744	5.2949	5.56354	5.57918	5.25141	5.87779	5.39815	4.92736	5.8211
TRAFD1	7.35989	7.34693	7.89722	7.08147	7.23713	7.3118	7.14657	7.21883	6.66617	6.83775	7.87611	7.33163	7.47174	8.09341	7.14209	7.21066
TRAIP	3.76841	4.31399	3.85298	3.49407	3.84331	3.17101	3.79373	3.93793	5.0773	6.23462	5.86266	2.66471	3.58948	3.77151	4.06918	4.22871
TRAK1	7.2954	6.85382	6.53064	6.97736	6.44728	6.694	6.54319	6.48549	6.83089	7.22216	6.39462	6.31023	5.68993	5.95652	6.49124	6.4501
TRAK2	7.59473	7.73431	7.60929	7.78045	6.6676	7.33374	6.54101	7.76017	8.08258	7.66888	6.87387	7.61233	6.7284	5.73534	7.2798	7.72445
TRAM1	7.67098	8.63198	8.94892	8.60042	8.49565	8.19792	7.46153	7.85515	8.10916	8.56298	8.23302	8.20228	8.2633	7.9141	8.17853	8.05165
TRAM1L	6.77052	6.53507	6.90283	7.46315	6.28371	6.23343	7.67932	6.99749	6.66264	7.88964	6.99203	6.63574	7.05953	7.29519	6.75022	6.66059
TRAM2	4.74067	5.96113	6.15194	6.03795	5.13097	6.27847	5.46303	5.18074	6.15085	5.67627	4.67088	6.51748	5.95652	5.58467	5.22148	5.58748
TRAM2-A	6.55578	6.93721	6.40488	6.77758	7.10887	7.36252	7.25041	6.38163	7.00137	6.75728	5.22179	6.46897	7.43992	6.845	7.24015	5.8608
TRANK1	3.32431	5.44754	4.71654	4.36112	5.9817	3.71116	4.11808	4.47773	3.59405	3.34275	4.43705	3.32466	4.42745	4.21305	4.67029	3.52431
TRAP1	5.54219	6.14099	5.10469	4.98927	5.46406	5.5832	5.08873	5.60235	5.41012	5.20862	5.30623	5.46371	5.43894	6.10649	5.61894	5.57434
TRAPPC1	4.0831	6.57598	5.13395	6.64424	6.31036	5.77708	5.8975	6.05868	6.26758	5.59567	6.16918	6.02702	5.88871	6.74124	5.49177	6.2051
TRAPPC1	6.55245	6.58441	7.37708	6.92291	6.68791	6.75957	7.06124	7.19639	7.06607	6.62279	6.44845	6.90541	6.687	6.21218	6.52676	5.88826
TRAPPC1	5.52553	5.6367	4.9443	4.87769	6.60967	6.10464	5.61679	5.48503	6.1231	6.47506	5.15808	5.28498	6.05489	6.13608	6.09501	6.08128
TRAPPC1	8.68047	7.5405	7.67654	7.45266	7.98688	7.40994	8.53248	7.8327	8.08899	8.20748	7.6227	7.40109	7.1559	7.64614	8.10994	8.09817
TRAPPC1	5.483	5.80545	5.91983	6.14545	5.29733	5.59906	5.58686	4.83933	5.55398	5.62739	6.40159	5.44001	6.34809	5.6558	6.0939	5.77513
TRAPPC2	5.4378	5.18074	4.68708	6.23151	5.21321	6.48361	5.55605	5.51103	6.28311	5.28856	6.36788	5.71535	5.9817	5.69663	5.08271	6.54549
TRAPPC2	5.19619	5.43449	4.49472	5.24525	5.24821	5.17955	4.85113	5.1995	4.58055	5.5121	5.14034	6.72968	5.73937	5.4533	5.64142	5.53161
TRAPPC3	8.25224	8.24645	7.97691	8.43657	8.35018	8.09341	7.84726	8.51258	7.7809	7.9568	8.47157	8.98978	8.71077	8.80792	8.20539	7.94524
TRAPPC3	5.96988	6.24815	6.61723	4.57486	6.51043	6.176	6.0127	6.33978	5.83403	6.55737	6.17866	6.3352	5.972	6.46847	6.21771	5.51195
TRAPPC5	8.83956	9.01679	7.51379	8.7291	6.89645	7.69134	7.12499	6.05079	6.72157	7.75348	8.82383	9.50956	9.55838	8.04178	6.57691	8.61511
TRAPPC6	7.90604	8.12699	7.26681	8.3403	7.28256	7.68501	7.06066	5.82506	7.08603	7.77354	6.92337	9.00415	8.41962	7.84024	6.9705	7.61366

TRAPPC(	7.07014	7.02137	7.36321	6.94016	7.65828	7.82848	6.90303	7.2924	8.32902	7.65178	7.56162	7.8854	7.71496	5.93665	6.82635	7.31596
TRAPPC8	9.62902	9.18052	9.66572	9.02331	9.4206	9.14404	8.98107	8.12887	8.96525	9.08751	8.64971	9.46931	9.20565	8.66567	9.47585	9.20282
TRAPPC9	6.39113	6.22235	6.26102	6.1534	5.949	6.18875	6.25347	6.34052	6.23163	6.15366	5.91983	6.26403	6.26672	6.47449	6.21965	6.46428
TRAT1	4.82998	5.30779	7.32079	7.70992	7.28361	6.28872	3.92606	6.05079	6.8336	3.66644	6.77689	5.94601	6.88982	4.98856	6.66569	6.73937
TRAV12-	2.55807	2.77081	2.77497	2.88071	2.87786	2.65434	2.9333	2.95859	2.70734	2.72148	2.93839	2.91196	2.83935	2.77311	2.7465	3.07505
TRAV8-3	4.85229	3.40176	4.40922	3.28542	2.89774	4.17372	3.20323	4.66254	1.98342	5.12105	4.42232	4.14691	2.8623	3.29459	4.9796	5.61874
TRBC1	8.86149	10.2374	10.3563	10.4489	10.1183	10.2195	7.57352	9.66375	10.545	8.40497	9.23779	10.8573	9.77645	8.89725	9.68446	9.42873
TRBV27	1.87757	3.38769	1.79898	1.77186	6.03236	2.18538	1.91146	2.67421	1.32709	2.72148	2.88166	1.94688	2.59488	2.37224	2.16493	2.36473
TRDMT1	4.80874	4.77905	4.89233	4.85056	5.20401	4.88936	5.59616	4.36192	4.78683	5.02507	5.08968	4.76359	4.93559	5.06359	4.90027	4.90419
TRDN	3.59171	2.09936	2.62383	2.68686	5.59408	3.95644	4.05558	2.97556	3.53466	3.04535	2.61504	3.69815	3.76082	3.39363	3.90264	2.37778
TRDV3	4.66469	6.14261	5.9431	6.84972	5.98749	5.52649	6.3105	6.86866	6.09718	5.45154	7.54948	6.08074	6.38787	4.94515	5.88216	6.59193
TREH	2.16905	1.9808	2.65267	3.55701	1.97947	2.5608	1.80024	1.99703	2.58986	2.47565	2.21379	1.77016	2.81611	2.34474	2.1886	1.85717
TREM1	4.15633	4.06571	6.73791	3.6256	4.4943	4.48862	6.10873	5.07511	6.05015	3.99153	5.76188	6.37629	5.65374	4.60832	6.56339	5.74894
TREM2	2.04089	3.06378	2.21086	2.12186	2.91487	2.39513	2.58845	2.58708	6.00991	2.34717	4.09367	4.57959	4.4107	5.19549	4.03892	4.2961
TREML1	4.11079	4.62359	2.65267	3.21843	4.85449	4.78796	3.63379	4.42433	4.06977	3.26858	5.89151	6.39985	3.96898	3.01384	3.17223	3.78507
TREML2	3.74737	4.75713	2.89422	4.58019	3.84331	5.07913	4.19082	4.6439	2.13825	3.83015	1.79233	4.2645	3.14193	3.80927	1.92074	5.3496
TREML3	2.8232	4.68091	3.01384	1.81848	2.34587	2.92084	2.00587	2.88071	3.26737	1.89786	2.90755	2.90619	1.98925	1.99316	1.98412	2.4366
TREML4	3.29136	3.15604	3.73269	3.89967	4.2019	4.40257	3.81533	3.79536	3.57987	3.93711	4.24599	3.70978	4.08875	4.07031	4.15034	4.59228
TREML5	4.21462	4.14691	4.29326	5.67756	4.17502	4.14087	4.26699	4.52735	3.92436	4.24348	4.25636	5.61811	4.66581	4.13014	4.32106	3.45478
TRERF1	5.02507	5.60443	6.08964	6.31219	6.2553	6.12821	6.233	6.30808	6.04515	5.83334	6.41511	4.85808	5.61194	5.72358	5.78927	5.55482
TRG-AS1	6.48178	6.88705	7.91358	8.17051	5.99529	7.39272	6.21754	6.89843	7.38684	6.2896	7.1297	6.72429	6.7118	6.01669	5.99465	6.82876
TRH	4.23422	4.36917	3.98497	4.46262	4.18221	4.4107	4.30475	4.79259	3.85447	3.99153	5.39741	4.77927	4.31215	4.13014	4.43654	5.18934
TRHDE	3.5501	4.71747	4.60079	4.22883	4.3537	4.24599	4.08418	4.2959	3.27349	4.28394	2.27492	3.49365	2.52228	3.77151	3.20278	5.10065
TRHDE-A	5.56005	4.03747	4.28461	4.5785	4.11832	4.28848	2.80263	4.3131	3.56531	3.20991	3.15124	4.39763	5.593	4.0178	4.34913	4.1925
TRHR	5.26165	5.00175	4.98271	6.09232	5.47507	6.21045	6.38687	5.71747	4.57006	6.07145	3.20659	2.17829	6.77456	5.63684	2.16493	5.75818
TRIAP1	9.57352	10.2398	9.83281	9.92065	10.8668	10.5154	10.1021	10.9946	10.4028	10.7518	10.5181	10.4243	11.0825	10.4028	10.4094	10.5573
TRIB1	4.81378	4.73761	5.17309	5.1836	5.45508	4.69519	5.40591	5.39252	5.8734	5.32945	5.76136	4.98389	6.17202	4.77579	5.15365	5.71084
TRIB2	6.88815	6.82985	6.84206	6.32323	7.10858	6.47407	6.37657	6.35493	6.86277	6.35493	6.90769	6.91061	6.69863	6.44252	7.04107	6.25208
TRIB3	6.20277	6.63345	6.0495	5.27655	5.796	4.71852	6.51748	5.339	5.97509	5.14709	6.67783	6.37709	5.75916	7.53123	4.63984	4.36192
TRIL	5.75322	5.01612	5.93876	5.67573	5.4555	6.34979	6.03962	5.9871	6.09622	7.86145	5.41338	5.44248	5.73398	5.96325	5.70304	5.2242
TRIM10	3.8342	3.6339	4.67765	3.63165	3.3464	4.32644	4.68051	5.62147	3.21781	4.50167	4.95724	3.34362	5.36051	4.67727	4.54145	5.438
TRIM11	5.88887	5.48013	5.43291	5.29562	6.11701	6.4795	6.11559	5.40673	6.85663	6.12774	6.26547	6.77456	6.3538	6.49308	5.69505	6.21697
TRIM13	7.23024	7.23753	7.05818	7.50665	6.61541	7.57891	6.87129	6.70243	7.04899	6.25576	6.9158	6.98066	6.74201	7.37425	7.55668	6.66184
TRIM14	6.14183	6.32223	6.39515	5.90267	6.3948	6.7248	6.79393	7.06965	6.82575	5.71676	6.57951	6.387	6.2478	6.51846	6.79241	6.90589
TRIM15	4.47194	4.52039	4.58884	4.55465	4.34346	4.47464	4.55731	4.40345	3.82238	3.89887	3.87881	3.14845	3.93872	4.11592	3.39411	5.53539

TRIM16	7.24621	8.77276	6.76172	7.41297	8.25692	6.80543	7.90724	8.02161	7.82492	6.44639	7.99006	7.72159	7.013	8.2929	8.12568	8.08992
TRIM17	3.31017	2.94714	3.20427	2.88071	3.2065	2.72526	2.73211	2.43067	3.94629	3.15532	3.111	3.08704	1.93701	3.12884	2.47462	3.27231
TRIM2	6.46966	5.85541	5.7541	5.91563	5.89702	5.66899	6.02272	4.91332	5.31564	6.54	5.25825	4.01048	6.46864	5.80159	5.68541	5.62838
TRIM21	5.95242	5.91749	6.29572	6.16141	6.75356	5.94701	6.11311	6.60934	6.81286	5.56785	7.25023	6.0127	5.63921	5.76092	6.53922	5.6819
TRIM22	8.64714	9.16537	10.6304	9.71962	10.817	9.89582	8.72368	9.62422	9.94429	8.88035	10.2496	9.26491	9.90653	8.94713	9.73065	9.4367
TRIM23	4.88285	4.38776	4.67628	4.96263	4.52112	4.85971	4.76747	4.06358	5.04032	4.73835	3.7348	4.95044	5.13458	3.42172	4.22194	4.07326
TRIM24	7.31697	6.92419	7.34276	6.74657	8.02431	6.99664	8.64201	8.07048	7.50132	7.76924	7.13471	6.93706	7.12924	7.74978	8.41922	7.36564
TRIM25	7.88149	7.64031	7.71686	7.75735	6.89606	8.03332	8.36277	7.48719	7.82061	7.2935	8.05562	8.06777	8.2533	7.45961	7.64917	7.48581
TRIM26	7.01721	7.66116	7.27175	7.65366	8.0195	8.35571	8.53034	8.6681	8.80719	7.77354	8.055	7.95514	7.39105	7.69492	8.10309	8.0157
TRIM27	7.91731	7.82446	7.737	7.38139	8.0511	7.85915	7.18281	7.86001	7.9949	8.21907	8.23555	8.4587	8.43537	8.23922	7.92317	7.91692
TRIM28	8.10309	8.01345	7.05573	7.46315	8.47782	8.41642	8.65005	7.76286	8.40382	8.27589	8.30348	9.10947	8.07912	9.32833	8.25881	8.44675
TRIM29	7.24927	7.30736	5.47541	6.16792	7.04198	6.38514	7.42808	7.21213	6.27322	7.19487	7.38598	5.54093	6.21942	7.51279	6.44114	6.46401
TRIM3	5.11999	3.98175	4.0743	4.26797	3.55864	4.86214	4.19998	5.01553	4.11511	4.17917	4.91834	5.31739	5.04437	4.97252	4.51377	4.84997
TRIM31	4.95776	5.81961	5.81801	5.26342	4.49757	4.86734	4.21149	4.39393	6.22235	4.18147	4.99372	4.33331	5.66921	6.12177	5.38902	5.72953
TRIM32	6.9564	5.68446	6.08654	6.6142	7.75205	7.25476	6.26698	6.39214	6.57951	6.14957	6.55687	6.40964	5.80945	7.16285	7.13591	5.45446
TRIM33	7.39105	6.94256	6.71502	6.94474	6.88841	7.25914	7.19582	6.61097	6.33989	7.00437	7.19897	6.9158	6.73855	6.72122	7.02799	7.24927
TRIM35	6.7635	7.46139	7.53981	7.21923	7.93391	6.91987	8.71228	7.45122	6.66715	7.63682	6.44172	7.30674	6.39214	8.00741	7.26516	6.48848
TRIM36	3.78397	3.26202	3.80466	3.05064	2.77897	2.92533	3.49599	3.58961	3.1434	3.899	3.53699	3.49996	3.62063	3.54991	3.58474	3.78126
TRIM37	8.28887	8.04043	7.9532	7.65979	7.7485	7.28627	7.6495	6.86689	7.61117	7.29217	7.9514	7.02299	7.44394	6.10931	7.62995	7.41697
TRIM38	7.65557	7.45236	7.68033	7.30538	8.22037	8.02925	7.55949	8.47529	8.69402	7.61565	7.75305	7.69724	7.82614	8.02057	8.29124	7.56307
TRIM4	6.38787	6.35611	6.62374	6.90567	6.80802	6.78513	6.73228	6.5764	6.73129	5.82532	6.46565	6.28161	7.01477	6.27938	7.07143	6.88438
TRIM40	4.8689	3.88198	4.88397	3.90548	3.35289	2.83735	5.06115	2.07548	3.8429	5.02266	3.6751	3.83791	2.04398	3.27909	2.52969	4.90519
TRIM41	5.9804	6.65991	6.08811	5.9265	6.08327	6.02598	6.74124	6.80725	5.33811	5.80309	6.68395	6.70282	6.73147	5.17042	6.82399	6.04592
TRIM42	4.18179	3.67421	4.78378	4.18064	4.56925	4.1681	4.90267	4.37724	4.18506	4.56273	4.53056	3.64617	4.79885	4.34233	4.17584	4.14289
TRIM44	6.42972	6.3443	6.35089	5.94952	6.8648	6.94256	7.53886	7.33722	6.9415	6.05835	6.38118	5.78811	5.5093	7.23024	6.77897	5.34463
TRIM45	7.62364	6.95587	6.92674	7.22574	6.77496	7.90829	7.11556	6.61915	7.41172	8.1215	6.44484	7.22695	7.11075	6.88587	6.88783	6.65787
TRIM46	4.56358	5.41012	4.63296	5.2229	4.98248	4.93015	5.7242	5.56754	5.2507	4.81846	5.62022	5.57458	5.21987	5.01151	6.02858	5.82978
TRIM47	6.10937	5.82453	4.73799	5.43831	4.09689	6.72093	7.86922	4.11111	4.78164	6.15194	6.00586	8.06265	7.76031	8.61099	6.55056	7.47714
TRIM5	4.55822	5.71911	5.28422	4.59328	5.55827	5.52307	6.09165	6.40739	5.81488	5.52175	5.84922	5.53879	5.86136	5.18736	5.27954	5.63729
TRIM50	3.8488	2.71531	3.41518	3.22942	3.49203	3.29685	3.26549	3.26202	2.11028	4.1352	3.19037	2.72538	2.93574	2.97887	2.68811	3.45856
TRIM51	3.28382	4.04274	4.66716	3.45327	4.58067	4.98138	3.63379	4.17171	3.29007	3.172	3.60639	3.10037	4.94162	4.55761	4.28189	4.65881
TRIM52	6.29208	5.49373	6.47337	6.64525	6.05798	5.8257	5.89679	6.00057	6.28	5.98014	5.70136	6.22045	5.92878	5.73664	6.01017	6.04631
TRIM52-.	3.31564	3.3177	2.85974	2.95014	2.98608	3.31071	4.90154	3.11888	3.0115	2.67782	2.97605	3.18522	3.15356	3.05474	2.93839	3.09384
TRIM54	3.80647	4.92195	4.3596	4.9537	5.08514	3.6256	4.89975	4.94439	5.27854	5.12708	5.08811	4.79894	3.98812	4.87322	4.70419	0.9979
TRIM55	5.24225	5.05202	5.50547	5.31252	4.22272	4.46828	4.9748	3.02948	4.58988	3.90614	2.96351	3.84953	4.91034	2.66834	3.76552	4.2019

TRIM56	8.20702	7.68956	8.1282	8.50902	8.10488	8.00923	8.51522	7.62768	8.28199	7.77756	7.10339	8.10055	6.62279	8.7032	8.16504	7.17515
TRIM58	1.73098	4.04855	1.56834	1.13258	2.31654	1.444	1.85693	1.11356	2.38733	2.87411	1.49083	4.5022	1.49705	0.67532	2.60104	2.18004
TRIM59	6.8514	7.46283	7.64677	7.46174	8.08303	7.32741	8.17934	7.8718	7.58963	5.85135	8.37595	7.03012	8.11563	7.02408	8.19193	8.74527
TRIM6	6.97352	6.90615	7.29299	6.70066	7.29957	6.88989	7.39951	7.92161	8.29317	8.14684	7.1324	6.78789	6.30041	7.26183	6.33445	6.51033
TRIM61	6.26266	5.36981	5.55954	5.5763	6.98418	6.15976	5.21878	5.88216	5.37627	5.49037	6.45085	6.50474	5.59779	5.2845	5.52262	5.30469
TRIM62	5.10495	5.52397	5.34698	5.79739	5.46851	5.89817	6.03658	5.13629	5.34383	5.04372	5.53311	5.90076	4.21911	5.02973	5.68032	4.77306
TRIM63	2.98506	3.20291	2.98152	3.30112	2.47594	2.18538	2.83966	2.13755	2.18568	3.00855	2.38828	2.94469	5.46165	2.91144	3.0951	2.67577
TRIM65	3.77315	3.15902	4.08687	4.04939	3.99184	4.17513	4.22224	4.55848	3.92927	4.29733	3.44273	3.87682	3.87655	4.39048	3.731	4.55142
TRIM66	6.0519	5.47317	6.08113	6.3484	5.4703	5.95408	6.05425	6.12673	5.67054	5.89412	5.99292	6.22768	5.13528	6.46055	5.78287	5.29048
TRIM67	6.39361	6.56543	6.7699	6.14705	5.42868	6.22388	6.61966	6.26758	6.26239	6.51425	6.47791	7.06244	6.39471	5.45068	5.78145	6.1809
TRIM68	8.3341	7.47541	7.08853	7.38968	8.32931	8.04951	8.51627	7.63667	8.61338	7.65275	6.61768	7.2954	6.74395	7.66664	8.05423	6.26403
TRIM69	5.85064	7.04587	6.98274	6.50381	6.9799	6.22411	6.05165	7.71541	7.34967	6.3978	6.97145	6.70731	6.73451	6.51546	6.87868	7.26885
TRIM7	5.47752	5.84093	5.09699	5.03866	4.19574	4.89718	5.76327	4.68857	4.73428	4.97988	5.50547	4.07529	4.71077	4.71077	3.58582	4.47042
TRIM71	5.54131	4.52298	4.9146	4.0196	4.42618	3.50802	4.99931	6.20535	5.3574	3.80685	6.52595	5.49854	4.6779	5.01656	4.7519	5.30548
TRIM72	4.25809	3.09358	5.43789	3.44117	4.91541	3.35168	6.09746	5.17831	3.11326	3.2328	4.94543	4.99212	5.70986	3.41704	4.56108	5.06122
TRIM78P	5.52799	4.85943	4.21177	5.49937	5.16332	4.74589	5.56307	6.08585	5.94368	5.1056	5.1374	5.042	5.56699	5.01656	4.91938	5.1755
TRIM8	7.07143	6.73025	6.69321	6.51066	6.36411	6.69768	7.06144	7.01023	6.1556	6.56733	6.46888	6.34408	6.59933	7.06996	6.47337	6.26102
TRIM9	4.48738	4.41381	5.72828	5.43359	4.45196	5.64816	4.43077	4.38727	5.33652	6.4551	3.87842	5.25191	4.58055	4.3118	5.41468	5.71586
TRIML1	5.24098	3.89893	4.03231	3.93679	3.2065	4.11531	3.39293	4.16157	2.83517	3.58913	3.73917	4.64303	4.4044	3.82047	3.97261	5.77004
TRIML2	2.21029	2.01809	2.68367	1.20944	2.97095	3.08198	1.43866	1.79233	1.69898	1.96807	3.981	2.41615	1.29724	2.83991	1.81049	2.5569
TRIO	4.45583	4.2359	4.86169	4.4821	3.85936	4.31215	3.95179	4.49326	4.29854	4.17798	4.0601	4.15142	4.05336	4.04041	4.53702	3.86393
TRIOBP	6.47587	6.90322	6.41484	6.3496	6.68585	6.95399	7.06771	6.63598	6.77008	6.83389	7.03614	7.36877	6.41963	6.82702	6.78596	6.6295
TRIP10	5.79997	6.17538	6.20579	6.99749	6.26577	6.41151	6.20894	7.04587	7.14222	6.14088	6.6595	6.62616	7.01519	6.85717	6.8747	6.6441
TRIP11	5.9848	6.13436	6.52377	5.69505	6.41007	5.45592	5.55288	5.48108	5.8975	6.14202	5.91125	5.18133	5.58285	5.74749	5.37627	5.70072
TRIP12	7.42256	7.28741	7.97233	7.66417	8.25743	7.62768	7.42833	6.79607	7.51529	7.65751	7.5598	7.41697	7.50536	7.20472	8.22174	8.02883
TRIP13	9.99505	8.16657	7.00568	8.79858	7.79072	7.26533	8.99433	7.95349	7.30778	5.23982	8.37808	7.1256	7.38443	8.01756	8.03457	8.10225
TRIP4	7.82698	7.56326	7.78212	7.64967	8.184	7.57366	8.12106	8.06492	7.79783	7.82787	8.01247	7.32389	7.57059	7.65437	7.66223	7.81701
TRIP6	8.70192	8.71164	8.67112	8.74164	8.30791	9.00167	8.61713	8.38118	8.68017	8.93865	8.09011	8.89896	8.39387	9.16731	8.87358	9.78521
TRIQK	7.38635	6.20478	6.02014	6.53633	5.4746	5.95242	7.07111	6.22079	6.76752	6.6643	6.18119	5.47147	6.51228	6.29559	6.96616	7.28084
TRIT1	8.47614	8.75379	8.39628	8.13058	8.6681	8.3899	9.03052	9.0805	8.13334	7.75348	7.83845	8.53855	8.39497	8.51686	8.60522	8.42675
TRMT1	4.81026	5.10065	4.94242	5.13458	5.09073	5.29914	5.52441	5.30223	4.73656	4.27547	5.51387	5.89763	5.37281	5.20516	5.03633	5.63274
TRMT10A	7.20912	6.71482	6.34228	6.78362	7.60146	6.87563	6.60609	6.54516	6.70005	6.27066	7.13124	6.83848	7.42056	6.79489	7.53191	7.23672
TRMT10B	4.48984	5.44648	6.09165	5.60943	6.0027	6.37833	6.27228	6.3353	5.75151	6.118	5.52733	6.08881	5.60047	5.45154	5.94857	6.32189
TRMT10C	8.27148	8.51568	8.40722	8.53799	8.98061	8.42204	8.64857	8.87832	8.62467	8.35151	8.65782	8.41793	9.00855	8.36732	8.94008	9.05221
TRMT11	6.82903	7.91133	7.7023	8.13104	8.6757	8.07334	8.19149	8.69038	7.35469	8.11803	7.57572	7.17711	7.87861	8.59625	8.434	8.7592

TRMT11	10.4318	10.6889	10.8973	11.1093	10.3765	11.5206	10.058	9.2048	9.82086	10.2318	10.908	11.6606	11.0674	11.547	9.77946	10.4989
TRMT12	7.18473	6.85882	7.2697	7.80049	7.51158	7.30197	6.82297	7.22466	7.40382	7.41612	7.44046	7.62671	7.96074	7.35459	7.68368	7.31992
TRMT13	6.84758	5.04772	7.22466	6.69189	4.80326	6.91643	6.69406	5.2869	6.70223	6.50281	6.38151	6.10744	6.63258	5.09969	6.10863	6.94323
TRMT1L	6.33207	5.91931	6.31957	6.04977	7.40625	5.9206	6.04515	6.23233	6.55559	5.50211	6.26645	5.98394	6.29011	5.72307	6.55263	6.40695
TRMT2A	5.4315	4.74319	4.00732	2.65796	5.13544	5.41283	2.75954	3.55509	2.79078	4.29458	4.78714	6.55313	5.47001	6.07813	4.91109	5.81769
TRMT2B	5.52616	6.70344	5.7854	5.73398	5.51915	6.16895	5.4874	5.44452	5.51915	6.07332	6.02908	5.36401	6.62473	5.29011	5.86456	4.76618
TRMT44	4.84501	5.25591	5.84548	5.49323	5.55165	5.12864	5.53294	4.97729	5.79424	5.61594	4.80326	4.89773	5.59408	5.94351	5.67026	5.63203
TRMT5	8.3899	8.55452	8.18565	8.06128	8.8262	7.54252	7.43404	8.38038	8.65005	8.5278	8.77566	8.14205	8.89342	8.39497	8.48593	9.08296
TRMT6	7.62252	7.7665	7.71541	7.95615	7.38024	8.05665	8.03074	7.19165	7.64701	6.95023	7.97768	7.70723	7.68357	7.6526	8.037	7.91065
TRMT61A	6.94963	7.03897	6.72646	6.89374	6.68022	6.99808	7.23753	7.15768	7.44601	7.28288	7.06583	7.42469	7.19405	6.70987	6.62723	7.36089
TRMT61B	7.23297	6.62906	7.10162	7.0764	8.0757	7.21008	7.5216	7.81934	6.75635	7.27289	7.34845	6.90423	8.10118	7.68663	7.769	8.02016
TRMU	6.66438	5.78029	4.67099	6.78753	6.24633	6.70448	5.71572	4.32501	6.39306	6.59858	7.23137	7.74032	6.90197	7.84964	5.9357	6.41126
TRNAU1	5.52455	5.11108	4.73008	5.24924	6.28284	5.41534	6.06363	5.78941	5.78871	4.58384	5.48013	5.75961	6.47159	6.23199	5.8013	5.71886
TRNP1	6.36493	5.90663	5.36187	6.23742	5.42342	5.71911	5.60091	5.55338	6.24442	6.50491	5.61936	5.69269	6.05574	4.35456	5.51774	3.96867
TRNT1	6.05574	5.69299	6.43533	5.77214	6.76542	5.91892	5.97627	6.86703	6.19599	6.13912	6.90407	6.17248	5.96035	5.77322	5.97318	6.97418
TRO	5.78176	5.07813	5.41113	5.55517	5.92694	6.37053	5.98617	4.88247	4.99189	5.71111	5.01495	5.18074	5.45446	4.89893	4.80326	5.38506
TROAP	5.91	5.94198	6.22799	5.94721	6.61445	6.53748	6.59516	6.83775	6.5777	5.63434	6.72148	7.18309	6.79359	6.49401	7.12889	6.98163
TROVE2	6.98908	6.51148	6.67543	6.9	6.85775	7.35385	6.9788	6.72015	7.83845	7.21428	7.10271	6.41007	7.12749	6.86253	7.19916	6.99972
TRPA1	2.54292	3.61408	4.03607	3.32108	5.73534	4.75476	7.68075	7.09664	3.67007	3.30309	3.72386	3.64739	2.53476	5.3528	4.04773	5.35106
TRPC1	5.2073	3.4886	4.66973	4.87555	4.28309	4.11091	2.97258	3.33696	4.08778	5.46131	4.79121	3.32841	4.62974	2.76484	3.43977	3.68688
TRPC2	5.43457	4.43372	3.93627	4.6811	5.10681	3.90614	2.53476	4.62117	5.97794	6.52126	6.03515	4.64969	5.08115	5.77414	3.55805	4.22871
TRPC3	3.37457	5.48792	3.87338	5.04032	4.56297	4.22596	2.83262	4.92249	5.15683	2.29377	4.51778	3.02476	4.46303	2.63607	2.60451	4.21327
TRPC4	3.13842	4.19473	3.30935	3.07245	3.8969	2.7549	3.24716	3.3722	2.41716	3.38612	3.69122	2.52205	2.09215	3.09819	3.42786	4.54295
TRPC4AI	6.8514	5.46805	5.36067	7.25476	6.97373	6.25512	5.67516	5.57186	6.33819	5.85517	5.82709	5.15888	6.60293	5.83559	5.49854	5.8013
TRPC5	4.58951	4.51771	3.78517	4.99785	2.02496	2.15563	1.43866	4.84732	1.32709	2.2766	1.32308	3.47261	2.17097	2.34474	4.04773	3.18938
TRPC5OS	3.88851	5.68283	3.42172	5.16352	6.11415	4.39841	4.07312	4.48907	4.41574	3.07203	6.72621	2.73426	5.26645	4.51886	4.44094	5.07599
TRPC6	3.03403	3.51074	5.47008	3.27496	2.43485	3.28662	4.1998	2.9003	4.50197	1.67696	4.50434	3.29541	3.0151	3.06742	4.63552	3.05227
TRPC7	3.42081	3.53071	3.2169	4.04059	3.1965	3.129	3.54525	3.44604	3.23555	2.8388	3.97873	3.47743	3.24439	4.20764	3.36719	3.85196
TRPM1	1.67869	3.63634	3.42786	2.99399	3.4933	3.82859	3.04791	2.51159	2.72849	3.35187	3.29685	2.7752	2.85145	2.81041	2.58676	3.1156
TRPM2	5.05401	5.75283	5.56992	5.89763	6.41692	3.32048	6.01651	6.87678	6.93931	6.04194	6.59726	7.02785	5.24633	6.82609	5.66719	5.45068
TRPM2-A	4.04247	5.79284	5.83341	4.95776	5.58134	5.48413	4.79774	5.20645	3.92436	6.44639	4.57021	5.0878	3.8683	5.97064	4.76672	5.15599
TRPM3	3.81102	3.47059	3.92057	2.9644	3.69815	4.32046	3.86393	3.93432	3.53272	3.92805	4.18147	3.89149	4.57777	3.69203	3.85278	3.37625
TRPM4	3.73406	3.50584	3.69005	3.39777	3.85505	3.45096	3.84674	3.60236	3.42477	3.85542	3.43836	3.6339	3.30026	3.29459	3.33112	4.04867
TRPM5	2.00108	1.94258	3.43133	2.55745	2.68714	1.90997	1.95222	1.96139	2.64558	2.31329	2.34474	2.01179	2.5663	2.01506	3.21508	1.98412
TRPM6	4.06918	4.82325	3.99376	4.30457	4.13479	4.53375	3.86074	3.89439	4.6393	4.24814	4.01369	4.10559	3.89091	3.86942	3.9706	4.36536

TRPM7	5.40205	5.11427	5.47252	5.58847	5.96635	5.72828	5.85971	5.31858	5.86266	5.19152	5.12829	4.77762	5.14709	6.20838	5.63471	5.94789
TRPM8	4.0649	3.63696	2.78724	3.75319	3.52053	5.59384	3.45081	4.30379	2.77727	3.31792	3.53909	4.40257	3.61993	2.2672	3.65709	2.95492
TRPS1	7.19639	6.22685	7.31389	6.81029	6.91674	7.14234	7.16225	7.07914	7.00962	7.68174	7.02816	7.28781	6.56519	6.48536	7.28797	6.37868
TRPT1	7.28396	7.81409	6.44309	7.28682	6.71883	7.89962	7.27047	4.54565	7.32104	6.24408	6.89497	7.35274	7.5931	7.68272	6.58582	7.24588
TRPV2	4.46232	5.41616	4.84645	4.62158	5.20492	5.14329	5.19004	4.95874	6.07744	4.13874	5.96484	5.58936	5.68495	4.33331	5.15634	4.63246
TRPV3	5.9283	4.86538	5.96732	6.07712	6.08828	5.88887	3.36615	6.40779	6.2458	5.83323	5.72213	4.63984	5.68726	5.75211	5.91823	5.43333
TRPV4	5.58309	4.76112	4.21177	4.56179	3.75099	4.55731	4.16867	4.79956	4.35456	4.55883	4.08209	4.55254	4.17756	4.27418	4.026	5.24347
TRPV5	6.01927	5.03802	5.79645	5.14578	4.91131	4.67688	5.4529	4.90711	4.27689	6.04351	5.27575	5.84791	4.32501	4.8235	5.53595	5.30238
TRPV6	6.33819	6.64671	6.65907	6.17362	5.9271	6.78294	6.54125	5.76136	6.44083	6.37898	6.02765	7.08612	6.3998	7.18064	6.41563	6.56956
TRRAP	4.98248	4.56438	4.74007	4.28848	5.00061	3.94824	4.46511	5.19321	4.53252	4.04908	4.56413	4.70674	4.38106	5.31618	4.81066	5.31404
TRUB1	4.71852	4.49557	5.07535	5.10752	5.12987	5.01314	5.56655	5.34309	4.51419	4.82835	5.04032	5.10272	5.7287	5.74555	5.23842	5.14329
TRUB2	7.23297	6.52383	6.36933	5.5785	7.26423	6.15904	5.68863	6.91137	7.18221	6.80782	7.22234	7.03941	6.77986	6.48293	6.77732	7.86423
TRY2P	2.27273	2.74824	2.46272	1.96731	2.36593	2.83735	2.8619	3.06557	2.76258	2.15841	2.27492	3.68084	3.55868	2.79431	2.86345	2.67577
TSACC	4.70625	5.91125	4.83835	5.21128	4.3537	5.37312	4.52231	5.58831	4.86178	5.16393	6.2306	5.34983	5.8673	5.10272	6.16222	5.97245
TSC1	7.78616	8.2698	8.65235	7.88036	8.50291	8.63631	8.26432	8.90238	8.49992	8.73312	7.70063	8.3341	8.21161	8.28751	8.32756	8.38789
TSC2	5.4479	4.48624	4.46469	4.34433	5.49685	4.23209	3.2859	5.0014	5.33521	5.60896	4.81876	5.39004	4.70968	5.98304	5.4433	6.07744
TSC22D1	7.36476	6.08272	6.80889	6.99689	6.81608	7.07769	7.095	6.38946	7.1351	7.45051	6.70583	5.86663	6.09644	6.70956	6.80312	6.65907
TSC22D1	4.98138	5.45866	3.92267	5.2755	3.77698	4.33928	5.34266	4.42204	4.51765	4.86793	3.95789	5.04714	4.27547	3.6535	4.21488	4.73297
TSC22D2	3.80054	4.67909	4.23643	4.04818	4.56473	4.47779	4.83092	4.47351	4.35216	4.81967	5.06736	4.18663	3.31009	3.59749	4.57315	4.31728
TSC22D3	5.782	5.89092	6.53205	5.62801	6.67073	6.4523	5.96883	5.64719	6.50119	6.44381	6.15923	5.92839	6.06936	5.88871	5.6532	5.89251
TSC22D4	6.0522	6.42535	6.80627	6.38544	5.85373	6.2564	6.51534	6.06094	6.39601	6.80432	6.16152	6.14202	6.10324	6.44343	5.92045	5.76
TSEN15	4.65792	6.06448	6.58543	5.4439	6.11334	6.51208	5.64816	5.98247	6.35285	5.64816	7.32333	6.92658	7.52731	5.27718	6.07446	6.16685
TSEN2	6.3929	6.35878	6.04977	5.42977	7.09937	6.40548	6.79415	7.31561	6.21697	6.30196	6.38192	6.07744	6.69284	6.40041	6.33947	7.18753
TSEN34	9.55947	9.62568	9.31511	9.58912	9.29073	9.82086	9.85111	9.6193	9.46371	9.34263	9.17731	9.98579	9.88728	9.73065	9.66911	9.59677
TSEN54	7.87426	7.86096	7.54861	7.90882	7.35068	7.37495	7.92449	7.40895	7.93762	7.22892	7.77611	8.42675	7.759	7.69422	7.48608	7.89821
TSFM	7.65128	7.2941	7.67813	7.51529	7.70859	7.49227	7.40625	7.75388	7.47778	7.27934	7.71275	7.89413	7.5023	7.98571	7.87079	7.78837
TSG101	10.3502	10.3343	10.0162	9.93446	10.2527	10.5021	10.5482	10.7548	10.4989	9.61231	10.1813	9.46666	10.167	10.3045	10.7876	10.46
TSGA10	5.30537	4.84882	3.43926	4.68499	4.53909	4.26756	4.37824	4.16955	4.53215	4.12179	3.66935	3.98424	4.99281	4.22923	3.97955	4.31762
TSGA10I	3.11441	4.1094	2.82464	3.78412	2.63482	2.88086	2.31492	2.81438	2.95663	2.75002	2.97056	2.29689	2.34547	3.05474	3.17223	2.57571
TSGA13	3.39513	2.44316	3.91647	2.50291	4.69135	3.18781	2.15094	3.10948	3.09248	2.75002	4.3923	4.64303	3.69964	4.28324	5.53655	2.51437
TSHB	5.39305	5.6126	5.77027	5.90124	5.85003	6.13597	6.10048	5.57879	5.43281	6.0027	5.50891	5.51774	5.70777	5.87709	5.86066	5.72837
TSHR	2.82104	3.33935	2.91059	3.31792	2.43603	3.02447	4.11164	2.54292	4.36722	2.36623	3.91868	2.45641	2.63608	2.21089	2.71916	3.26914
TSHZ1	7.16929	6.89851	7.75423	7.32307	7.42138	7.64528	7.58461	6.8277	6.87765	7.41405	6.22685	6.57174	6.79985	7.67711	7.83226	7.02233
TSHZ2	6.6437	6.12624	6.52407	6.5465	5.75554	6.53414	4.99636	5.88196	5.46207	6.77308	5.72177	5.87367	5.00749	5.26572	5.66479	5.18903
TSHZ3	6.53264	4.98524	6.79359	5.79553	6.02652	6.98952	7.09901	5.6503	6.24827	6.71005	6.92124	6.52544	6.34674	5.73904	6.71848	5.51949

TSIX	4.78107	5.27758	5.54219	4.0617	3.62835	2.95599	3.97251	2.88789	3.49474	2.98998	5.11463	4.66059	4.59065	3.64454	4.61047	3.71736
TSKS	5.38915	5.05621	5.82978	4.65251	5.18703	5.96497	5.88076	4.70184	4.86471	5.77873	5.02484	4.9311	5.0435	5.50567	4.31963	4.4044
TSKU	7.63737	7.89504	7.55846	7.62364	7.11849	8.21907	8.11439	7.43844	7.46202	7.21202	6.76629	8.10936	8.07542	8.2586	7.73791	8.32985
TSLP	6.19869	6.03446	4.78915	6.31876	2.71531	7.06419	6.90407	4.5714	5.11766	6.56664	4.78714	4.81522	7.48119	7.30682	2.21248	3.07505
TSN	7.42808	7.28212	7.65419	7.3721	8.30405	7.58402	7.06858	6.96963	7.2038	7.26483	8.01689	7.42946	7.98956	7.52006	8.07018	7.87426
TSNARE	3.97999	3.61365	3.30894	3.62162	3.39031	4.2961	4.54295	3.84505	3.76082	4.13729	3.70847	3.86818	3.91963	4.73627	3.91275	3.50784
TSNAX	9.19231	8.85032	10.3871	9.40143	10.9359	8.86457	9.09551	8.88814	9.90431	9.52648	9.46022	7.97957	9.53577	7.86511	9.64485	9.7059
TSNAXII	8.74446	7.22111	3.25331	7.60767	6.22873	4.49442	4.23557	6.08384	5.3524	4.82316	6.20565	6.52595	6.22193	5.90555	6.36505	5.61148
TSPAN1	12.0385	10.0919	9.54799	11.4157	4.74792	3.98206	3.8062	4.34817	6.73599	8.69689	5.8714	7.8616	3.58948	7.55453	3.50176	2.96003
TSPAN10	6.25151	5.63112	5.79356	5.88338	5.07535	5.33582	5.86057	5.13901	6.29719	6.3411	5.129	6.3797	5.08387	5.89914	5.15041	5.66921
TSPAN11	7.07592	6.36113	4.86793	6.31099	7.21396	6.56041	7.34801	6.87418	7.3161	7.26214	5.56396	5.55179	4.09292	7.45647	6.47173	5.39423
TSPAN12	6.02526	5.91357	6.06824	5.74677	5.58467	5.12769	5.3869	4.89694	5.96464	6.11735	5.01612	5.12769	4.90793	5.4895	5.07488	7.59296
TSPAN13	11.8106	11.8493	11.9498	11.6889	11.8584	11.565	11.8584	11.602	11.2558	12.1851	10.3399	11.1017	11.3999	10.4135	11.5301	11.6143
TSPAN14	6.93537	6.31108	6.05447	5.67417	6.40096	6.77496	7.71102	5.09667	7.85515	7.41172	7.46174	6.83558	5.36091	7.32307	7.48739	5.41616
TSPAN15	5.86446	5.52199	5.42404	5.09328	5.15954	4.51187	5.74444	7.80711	6.37043	5.68695	6.78513	7.03111	7.33244	6.26612	6.493	5.98219
TSPAN16	6.09786	5.6902	5.67529	6.19295	5.41634	5.42419	5.18703	5.63419	5.33633	5.7256	6.42499	4.89233	5.51275	5.31034	5.82554	5.7174
TSPAN17	6.07687	6.06598	5.86024	5.59996	6.19045	6.04829	6.52544	5.77944	6.79883	5.68816	5.90047	6.54223	6.17068	6.84836	6.43003	6.49631
TSPAN18	4.59267	4.92736	5.17955	6.57618	6.36493	5.75787	5.46462	5.97749	6.18061	4.15758	6.54101	6.42972	5.30024	6.45737	6.40759	6.19282
TSPAN2	6.05682	5.9392	6.07687	5.9407	5.61352	5.65354	4.92622	5.37151	5.363	6.2594	5.61959	5.67887	5.24375	5.46484	5.56468	5.14737
TSPAN3	6.48609	5.91823	6.28381	6.64925	6.12507	6.08128	6.2504	5.59554	6.24025	6.97736	6.23107	6.15777	5.66719	6.52209	6.39214	6.47269
TSPAN31	7.74368	8.15497	7.50009	7.62329	6.41451	6.31164	6.98066	7.43906	7.46733	6.85775	7.23912	7.2075	7.69422	7.19719	7.68995	7.30035
TSPAN32	4.96585	5.97782	5.18903	5.17075	5.08025	5.29733	5.01373	5.23646	5.29804	4.5915	5.71558	6.98769	4.56925	4.72447	4.61264	4.98271
TSPAN33	7.44109	8.6352	5.6255	7.78895	8.13649	7.18732	5.75211	6.40684	8.50543	7.04899	7.67515	8.67987	7.02351	7.83476	7.84813	6.33253
TSPAN4	6.44179	6.67922	6.66911	6.16183	5.70246	6.49155	6.18379	6.2599	5.86242	6.48536	7.02888	7.42056	5.9748	6.73309	5.62971	5.72395
TSPAN5	6.74045	6.39033	6.01803	6.04684	6.65329	6.15307	6.07982	6.16738	6.21403	6.33638	6.2907	6.0519	5.25494	5.56418	5.80282	5.72153
TSPAN6	9.92274	9.07296	8.25993	9.53098	8.65698	8.68099	8.53743	7.78519	8.86457	10.2928	7.69696	7.6495	8.70013	8.56997	8.35699	8.63421
TSPAN7	6.85804	6.2801	8.11642	7.88522	6.64508	7.71733	6.53172	6.00213	7.00374	7.01856	6.15616	5.9965	7.30255	7.40581	7.14569	6.69403
TSPAN8	11.3246	10.5313	10.3113	10.5276	8.47782	8.46358	8.07098	6.63658	10.1088	11.063	3.45096	8.71077	6.35743	9.80267	6.08253	5.79864
TSPAN9	4.28639	4.88894	5.23907	4.32243	5.77322	5.19098	5.12463	4.86961	5.87597	4.88894	5.50496	6.17517	5.2505	6.06866	5.65728	5.21296
TSPEAR	3.6948	4.66867	4.71459	3.4886	4.90106	4.42688	4.37703	5.26369	4.4039	4.51133	4.01812	3.52145	3.82859	3.90886	5.02733	4.29049
TSPO	9.72748	10.0285	9.01865	9.47025	8.38789	9.50744	9.82232	7.83389	9.89146	9.6066	9.5293	9.80853	10.2628	10.0756	8.46025	9.41176
TSPO2	5.76629	6.14133	5.27509	5.9893	5.61148	5.73173	5.23969	6.19649	6.57608	4.62434	6.14034	4.6265	5.76339	6.36312	5.77322	6.40459
TSPY1	3.99584	3.77816	3.50622	3.13915	3.01001	3.4746	3.10453	3.79039	3.27349	3.99153	3.18189	3.62346	2.98256	3.55944	3.67604	3.89582
TSPY26P	4.2285	3.89582	3.91868	3.98146	3.28749	2.35117	4.29278	2.62987	3.34265	4.66701	3.28382	3.43252	3.48742	4.33825	3.95471	2.72468
TSPYL1	6.84318	6.19467	6.87988	5.54715	6.18481	6.91379	6.15395	4.58384	6.4377	7.12767	5.4025	6.37168	6.86887	5.83509	7.01847	6.12693

TSPYL2	6.7635	6.94695	7.20836	7.1782	4.23397	7.57707	5.57038	6.84575	7.59417	7.88588	6.69627	7.41748	4.60738	5.18903	5.79997	6.37694
TSPYL4	9.98814	9.37478	10.2195	10.0817	10.0285	9.78521	8.69245	8.76808	9.01134	9.64485	8.53799	9.2048	9.00592	8.59366	9.85394	9.46931
TSPYL5	7.92769	7.7022	7.79893	7.86265	7.39338	8.33009	9.58912	7.39378	8.13058	7.91486	7.66951	7.64368	8.20888	9.51355	9.21274	6.62122
TSPYL6	2.94778	1.40126	2.55526	2.72117	2.39414	1.95254	4.3989	3.88575	2.53538	4.5797	4.24944	1.41969	3.00618	3.60186	0.88665	3.20278
TSR1	6.51968	6.1326	6.38344	6.1475	7.03614	5.87942	6.55362	6.75934	6.56975	5.94381	6.9799	6.16109	6.29537	7.12714	6.621	6.67513
TSR2	8.11253	8.17509	8.03214	8.17734	8.0146	8.04077	7.689	7.88677	8.05692	8.24659	8.04765	7.9442	7.93267	7.95978	7.93806	7.7158
TSR3	6.44327	6.81265	6.91562	7.13227	6.8608	6.27917	6.61839	6.71459	6.81587	6.83297	6.89173	6.41451	7.02115	6.841	6.62027	7.49156
TSSC1	6.73015	5.64428	5.41479	7.10094	6.59858	5.44553	7.20295	5.36018	6.28554	5.46729	7.17743	7.05834	6.73533	7.34773	6.80181	7.18095
TSSC4	4.26669	3.25613	3.0093	2.95827	2.94105	3.57327	4.67727	2.58708	5.26828	3.2328	5.60943	6.51354	2.8623	7.17328	2.93032	4.55047
TSSK1B	2.83473	3.32466	3.26549	2.03633	3.10976	2.95599	2.42155	4.15015	2.61941	2.61134	3.42769	2.2269	2.26476	1.92414	3.46534	3.48415
TSSK2	1.94998	3.17351	2.66106	2.66714	2.43717	3.0877	1.96731	3.34983	2.72538	2.81599	2.69786	3.23213	2.61349	3.50071	2.37778	2.7797
TSSK3	4.04247	3.71031	4.15015	4.0617	3.71929	3.5373	3.92606	4.34817	4.06039	3.58913	3.88263	4.6265	4.31215	3.44975	4.1596	4.18842
TSSK4	6.25719	3.13884	6.8412	5.59384	4.92078	5.71355	4.87555	5.54093	6.14107	5.55006	5.54563	6.12279	6.43526	5.76092	5.6169	3.42878
TSSK6	3.92989	3.44868	4.30345	3.43307	3.17146	3.46478	4.1332	3.24716	2.94585	2.84291	3.62805	3.01001	2.47462	3.25464	3.33619	3.43791
TST	9.33233	9.41176	6.80329	8.19193	8.23743	8.58812	8.90934	8.82099	8.44366	8.51199	7.52204	9.08188	10.2667	9.68446	8.10118	8.24674
TSTA3	8.91549	9.05769	7.99279	8.08567	7.80726	8.65818	8.31951	7.02137	8.59959	9.92274	8.73982	9.30247	8.42133	8.9792	8.03892	8.75484
TSTD1	10.3765	10.5276	9.57587	10.9679	8.73001	9.92959	10.3951	8.85361	9.35952	9.79359	9.07205	10.6733	9.54485	9.10606	8.83036	10.1021
TSTD2	1.0625	1.16965	1.44831	1.93131	0.59539	1.19537	1.37571	2.04007	1.00765	0.85718	2.70123	0.96901	4.08241	2.62575	1.4899	3.18938
TTBK1	4.6173	6.05478	4.18642	4.99867	5.62606	4.5001	5.61959	5.04437	4.96187	5.40753	4.124	3.87488	4.28984	4.91999	3.94495	5.19791
TTBK2	5.99792	5.66502	5.70734	5.68032	5.51437	5.93115	5.24647	5.40857	6.13229	5.4471	5.58353	5.41283	5.90235	5.55283	5.69394	5.21372
TTC1	7.65208	8.65782	8.24533	8.30008	8.06218	7.99743	8.24115	8.51015	8.09183	8.24659	8.35056	7.49911	8.11439	8.30954	8.88182	8.54142
TTC12	7.54638	6.77226	6.22344	6.59396	6.20059	6.1546	6.6127	6.35326	6.37377	6.29809	6.22568	5.82812	5.71355	6.14957	6.19467	5.80427
TTC13	6.8179	7.86423	7.79044	6.43834	8.56369	7.21144	7.33899	7.21316	8.43858	7.62564	8.25183	7.51061	7.54351	6.66049	7.87611	7.5808
TTC14	7.06749	6.0632	7.25499	6.32149	6.60829	6.62027	6.5764	6.03493	6.41685	6.21741	6.07956	5.90945	5.62053	5.34279	6.10197	5.78665
TTC16	6.47173	3.51602	3.72265	4.0196	3.35289	3.71116	3.18384	3.60236	3.15245	3.50939	3.35206	3.27772	3.42036	3.64454	3.60386	3.99805
TTC17	7.19454	6.50683	7.54819	6.30374	6.93472	7.44928	7.69546	7.08988	7.10488	7.01407	6.51248	7.30458	6.64035	7.05622	7.30921	6.72452
TTC18	7.95615	5.6595	5.47673	6.41991	5.88076	5.64485	4.22158	5.67273	5.67672	6.4483	5.23042	5.45233	4.96316	5.5189	5.49443	3.6301
TTC19	9.63482	9.63482	9.5648	8.95432	10.0444	10.0218	8.93431	9.60515	9.4469	10.4989	8.95577	8.45826	9.42515	9.72612	9.82086	9.60059
TTC21A	6.74459	5.79424	4.92969	6.10066	5.80721	4.0662	4.91953	5.88585	5.44903	5.38659	4.66168	6.02581	3.90025	4.55918	4.65232	4.87894
TTC22	4.17313	4.27343	4.29147	4.23345	4.03198	3.86957	5.05142	3.87693	3.18151	4.25355	4.34233	3.16183	4.09547	3.89439	4.20167	4.1225
TTC23	4.34392	4.31993	4.20875	3.99089	5.06142	4.42934	4.28945	4.46942	4.52611	4.85449	4.9789	4.58199	4.89043	4.74151	3.94882	4.79767
TTC23L	7.08431	6.3267	5.3528	5.53579	4.96187	6.01704	6.46475	4.64753	6.12279	5.7441	4.82105	5.68275	5.809	5.46594	4.97087	5.07767
TTC25	10.1401	8.68073	7.47747	9.57255	7.21144	7.07187	7.14603	7.39051	7.67544	6.99294	5.98336	7.46114	6.80189	6.62814	6.93283	6.56229
TTC26	6.31802	5.72177	4.1581	6.23972	5.54563	4.31334	5.1344	4.47585	4.16994	3.73731	5.35699	5.31186	5.98103	5.6096	5.92522	5.75728
TTC27	7.37662	7.62033	7.5276	7.58232	7.60398	7.18784	8.0875	7.99006	7.30666	7.24756	7.2316	7.37382	7.30682	7.61653	7.62491	7.91216

TTC28	6.14115	5.82793	6.62977	5.99097	6.6695	6.97525	5.69697	5.79256	5.979	7.08815	6.17538	6.35153	4.43305	5.7287	6.31343	5.00284
TTC28-A	4.49377	4.40116	4.65837	3.93337	4.62754	4.13837	3.95338	4.15633	4.2792	4.18908	4.00373	4.64068	4.5873	4.58588	4.2027	4.4703
TTC29	8.02733	7.66742	5.83341	7.37359	5.70326	5.54525	5.15052	5.25678	5.90229	4.66895	5.00881	6.83262	4.11891	4.67459	5.13836	4.49636
TTC30A	6.54533	6.2003	6.14859	6.45334	6.58949	5.54525	6.11518	5.47019	6.01713	6.14088	5.40569	5.82023	6.2802	6.30916	6.85678	4.88285
TTC30B	7.2508	6.54516	6.31288	7.0572	6.69	6.1994	6.51946	5.97859	6.39033	5.87462	5.33329	5.86557	6.67496	6.61221	6.7168	6.26587
TTC31	7.18935	7.04386	7.12877	6.54516	7.69546	7.62934	7.63653	7.63497	7.64001	7.0963	7.21675	7.54909	6.36968	6.56438	7.41351	7.02275
TTC32	6.64508	6.38317	5.47346	7.54434	7.11556	7.00018	5.55964	5.81871	6.2284	6.15674	6.39317	6.60068	6.10247	6.13502	5.51058	7.04899
TTC33	6.22172	7.15413	6.60033	6.36267	6.77476	6.40233	6.78968	6.54028	6.75031	6.00192	6.59237	6.52517	6.43458	7.01461	6.75392	6.3351
TTC36	4.51157	5.76009	5.38651	3.6256	2.91487	5.40929	3.82687	3.79039	5.58265	5.32454	4.78714	5.98093	4.55026	4.60832	3.88656	4.67059
TTC37	5.51774	5.19529	5.93008	5.7207	5.72358	5.34279	5.98586	5.30772	5.43842	5.84166	6.07171	5.16763	6.28161	5.62571	5.78258	5.47317
TTC38	5.51296	5.02925	5.15758	5.27518	5.05678	4.77693	5.23178	5.10681	4.97134	5.50142	4.88639	5.36688	4.80682	4.74782	4.44205	4.65737
TTC39A	4.73468	4.81824	4.91953	4.67471	4.45111	4.38335	4.39244	4.48301	3.79846	4.53252	4.382	4.42491	4.34392	4.67009	4.24792	4.981
TTC39B	6.95677	6.74803	6.12841	6.6594	6.45247	6.32627	6.04806	5.40426	6.44872	5.37077	6.36294	5.45154	4.9792	5.19867	6.19796	6.54256
TTC39C	7.22511	7.43628	7.33347	7.55265	7.20792	7.20458	7.74315	7.86047	7.84521	6.7557	7.30071	7.46816	7.64872	7.5514	7.80293	7.66787
TTC4	6.34518	7.20528	6.23653	6.98274	7.62995	7.3395	6.46685	8.49421	6.88287	7.49265	7.83476	7.65092	7.29036	7.30433	7.45153	6.91829
TTC40	4.93048	3.51927	3.80555	5.05678	3.13301	3.4102	3.72958	3.09384	3.37574	3.59643	3.36917	3.83335	3.84025	3.46064	3.74788	3.54421
TTC5	5.70246	4.96515	5.79852	6.08654	5.44574	6.15255	4.72646	5.23996	4.55883	4.97201	5.91357	5.17093	5.09145	4.6793	5.0094	4.95231
TTC6	5.14689	4.50053	4.74464	5.25716	4.65034	4.52964	4.87769	4.54034	5.10864	5.68975	4.45424	5.43429	5.04032	4.90419	5.53579	5.19056
TTC7A	5.30419	5.03887	5.6657	6.21697	5.91215	4.49578	5.78159	5.39096	5.62881	5.16305	5.83426	6.6267	5.06242	5.93233	5.20552	5.55036
TTC7B	3.76841	3.07762	2.44429	4.17431	3.61465	3.52398	2.78886	3.91364	4.11778	4.28394	3.82899	3.0573	3.07124	3.05474	3.42703	2.31622
TTC8	8.62467	7.44915	7.35149	7.63411	7.19839	7.46945	7.79201	8.21957	7.48608	7.71977	6.97485	6.81431	8.06572	7.72117	8.03401	8.14058
TTC9	7.69422	7.14091	6.38544	6.91209	5.43118	5.86766	4.53119	3.87677	6.5503	6.07446	6.47407	5.3226	2.63482	4.5247	5.19867	2.65953
TTC9B	4.5797	5.2845	3.53934	4.51071	5.19806	4.90131	4.48397	5.30672	4.5797	3.86205	4.2027	5.09612	4.6711	3.25363	3.72183	4.13837
TTC9C	7.01235	7.36428	8.61181	7.55694	6.86253	8.02431	7.42409	8.16518	7.90099	7.67171	6.98991	7.56855	6.84273	7.52301	7.22399	7.40692
TTF1	6.60577	5.99025	6.76714	7.10941	6.44361	6.63235	6.64563	6.36004	6.65166	6.25707	6.35436	6.56658	5.86835	6.57255	6.5305	6.84334
TTF2	5.03068	6.87019	5.26722	6.88974	5.75483	7.19274	7.98356	6.23645	5.04615	6.00971	7.22985	5.66479	5.59425	6.70066	5.9579	7.21911
TTI1	7.67591	7.5598	7.77017	7.72596	7.64645	8.3212	8.58419	8.21557	8.19479	7.7049	7.69174	7.76824	7.86265	7.99279	8.20394	7.80469
TTI2	6.82737	6.90454	6.71288	6.8987	7.18865	6.98418	7.07159	6.33978	6.89132	6.81265	7.12866	6.75243	7.42256	7.63211	6.49574	7.09088
TTK	6.24052	6.53899	6.4281	5.74275	7.74752	5.33804	8.76514	6.9078	7.69819	5.84343	7.8616	6.34758	7.8922	6.55046	7.3201	7.67544
TTL	6.01966	6.13317	6.19425	5.98416	6.79241	6.47337	6.43593	6.58226	6.5239	6.028	6.3185	5.95253	6.59465	5.96948	6.65991	6.70439
TTLL1	7.29117	5.60583	5.93352	6.77145	5.96577	6.04883	4.21561	6.57417	6.21797	6.54841	5.95661	7.15313	6.34146	6.61919	6.53564	6.08039
TTLL10	4.56642	4.33695	4.12287	4.24274	3.91275	3.64825	4.35917	4.71089	4.05336	3.89843	4.58543	4.76569	4.74151	3.68155	4.48935	4.09514
TTLL11	5.81488	5.79211	5.90531	6.29734	5.24782	5.9455	5.98199	6.31836	5.74611	6.35062	6.32869	6.3757	6.15976	6.05143	5.72016	6.3009
TTLL11-]	6.01259	5.67407	6.38823	6.32107	6.00856	4.01812	4.34027	6.94544	4.67119	5.69464	3.53424	5.49559	6.37512	5.68695	5.53303	4.07003
TTLL12	8.25405	8.36651	7.5219	7.51829	7.8444	8.31053	8.59276	8.58048	8.48815	8.08518	8.72582	8.47257	8.29317	8.21863	8.13823	8.64714

TTLL13	5.60332	3.96497	5.6255	5.21663	3.01001	4.41713	4.02856	2.67421	3.66585	2.93344	5.21362	3.10037	3.00618	4.6285	2.9127	2.59102
TTLL2	2.88015	2.65522	2.33881	3.38369	2.87786	3.27349	2.70047	3.31083	2.70734	2.04282	2.91487	3.41704	2.54194	2.79431	2.11842	4.83492
TTLL3	4.72309	4.7593	3.91498	4.65943	4.05603	4.45488	3.88735	4.76205	5.00815	4.48301	4.53702	5.34161	4.98232	3.92098	4.2082	3.99629
TTLL4	6.88861	6.33989	6.5764	5.84226	7.01338	6.5885	6.93148	7.33233	6.58818	5.97667	6.67664	6.35206	6.63967	7.53069	7.7621	7.33347
TTLL5	6.21081	6.33183	6.27492	5.95242	6.22501	6.19879	6.21158	6.40621	6.09276	5.90531	6.00481	5.87165	6.06407	6.38452	6.01673	6.01976
TTLL6	5.63997	4.72297	4.00732	5.05978	4.76067	4.91415	3.32901	5.55155	5.6132	4.51316	4.73761	2.44179	5.03426	4.77206	5.14584	3.23061
TTLL7	5.44809	2.86736	4.90513	5.29392	4.17154	4.69014	5.01414	2.25402	2.84792	5.7529	2.67942	2.8388	3.60881	4.16905	4.29558	4.12179
TTLL7-I1	5.76939	4.35031	6.4651	6.58707	5.77673	6.60667	6.34285	6.91979	6.68791	6.81265	6.4977	6.6117	6.20535	6.06808	6.71818	6.23843
TTLL9	5.7174	5.15911	4.38474	5.13175	3.77609	4.73152	4.46856	5.11909	4.88909	4.58588	3.81775	4.69665	3.7594	3.8556	3.49378	4.77788
TTN	3.93204	4.28059	4.30874	4.14706	4.44321	3.61127	4.76854	4.31334	4.42968	4.35308	3.65514	2.82501	3.79392	4.26048	4.46802	4.66277
TTN-AS1	3.90408	4.20167	3.45081	3.83495	3.85966	4.34913	4.38162	4.08441	3.41615	4.38754	4.06136	3.88289	4.16313	4.23009	4.52648	4.33436
TTPA	5.94573	4.72297	6.72166	4.91294	5.83462	5.80045	4.27634	4.7289	3.97161	5.12708	5.34654	4.72621	5.6866	4.90583	5.34383	5.24773
TTPAL	6.26698	6.1677	6.10464	6.13572	6.19536	6.70872	7.12234	6.3799	6.95754	6.75392	7.31201	5.87573	5.88995	6.42803	6.49401	5.97293
TTR	4.24384	4.31399	5.42031	6.08225	4.33348	6.43214	5.20294	4.25669	4.85676	5.39029	5.90319	6.0877	6.50819	4.24417	4.37551	5.64846
TTTY10	4.8689	5.45949	5.23257	5.04161	4.56051	5.32626	4.82932	5.10888	2.13825	3.97041	4.82299	4.10853	3.7479	3.50494	3.662	2.63794
TTTY11	4.49797	2.77081	3.28947	4.39175	4.05118	3.6993	3.60262	5.12847	4.46077	5.76953	5.03656	3.45239	5.45118	3.64454	4.64949	3.89582
TTTY12	5.37195	4.97234	4.06126	2.73925	4.43422	2.95599	3.23578	5.45844	2.5663	5.65982	2.56627	2.97562	5.26233	5.88448	5.07609	5.448
TTTY13	5.96035	5.83371	4.44939	5.23593	5.23646	5.26131	6.10352	5.73085	5.85107	5.12708	5.78878	5.99877	6.28305	6.17219	4.64145	4.3381
TTTY15	6.70664	6.22403	6.72063	5.83023	7.49252	7.3192	7.94504	6.83862	6.66538	6.70731	6.60043	6.50074	6.4665	7.36509	7.80984	7.26259
TTTY5	5.23193	5.83119	6.10848	6.11602	5.93462	5.04234	5.74444	5.78534	5.53149	6.37861	5.17427	5.88627	5.3421	5.57489	5.45637	5.79864
TTTY7	2.40819	5.16804	3.0591	3.04143	3.12473	3.55971	2.39011	3.3596	3.15245	5.16701	4.17832	5.65233	4.57984	4.06652	4.72967	3.84496
TTYH1	3.38024	2.41683	3.34445	2.25844	1.88842	2.83735	1.98828	2.58708	1.26079	5.14202	3.20659	2.17829	2.10686	2.37224	1.92074	3.07505
TTYH2	5.6878	6.06308	6.46131	5.71755	6.62196	5.78459	6.22601	6.46954	6.07898	6.09307	5.29048	6.2594	5.27633	6.06726	5.54156	6.10066
TTYH3	6.05841	5.7837	6.06571	6.40363	6.63514	5.56637	6.46946	4.5714	6.20964	6.30722	6.95968	6.53163	5.96423	6.34758	6.27239	6.88475
TUB	4.32957	4.41311	4.23119	4.08441	3.94495	3.42369	3.48161	3.42172	4.26827	4.23539	3.31042	4.13479	3.78397	4.55018	4.09001	4.05184
TUBA1A	12.7145	12.4159	11.6143	12.4376	11.9804	11.741	11.602	11.8106	12.3939	11.602	11.712	11.8	11.422	10.617	11.8738	11.118
TUBA1B	10.6733	9.85932	9.73221	10.3157	9.79359	10.1456	10.8485	10.0919	10.4135	9.40867	10.2667	9.93225	10.3531	10.4989	10.3765	9.82345
TUBA1C	11.8	11.0674	10.8054	11.1275	11.7815	11.297	11.5923	11.1909	11.6759	10.7017	11.8	10.9164	11.4345	12.1489	11.8	11.3913
TUBA3FI	6.69314	6.82903	6.66557	4.28639	6.64757	6.65595	6.49506	6.86138	6.089	6.04806	4.04541	6.9611	4.2307	7.65557	6.34665	4.50264
TUBA4A	9.11315	9.41817	9.52648	9.79051	9.11385	9.0318	10.3269	9.53523	9.92829	9.13351	10.2459	9.66911	8.86928	9.2077	9.11537	8.45387
TUBA4B	9.87044	7.53873	6.80329	9.07296	6.84836	7.27163	7.06373	7.30255	6.32121	6.55737	7.53155	7.69174	6.51929	7.00532	7.0855	6.72081
TUBA8	5.52355	5.17489	4.59156	4.6811	3.59057	3.54848	2.88209	3.81494	2.95663	3.97041	3.89949	3.9549	4.03129	5.32234	3.662	5.34309
TUBAL3	5.26686	1.54402	2.8391	4.56179	4.88936	5.16359	4.69773	2.17246	4.10622	1.63837	4.3923	5.51444	5.12297	5.36454	6.35116	4.44959
TUBB	8.80992	9.54485	9.04721	9.0096	9.97305	9.81607	9.39209	9.34899	9.25706	8.8123	9.78359	9.36362	9.74251	10.4209	9.80853	9.78666
TUBB1	3.14136	4.08037	4.21691	2.96792	3.37625	3.26332	4.77643	3.391	4.33712	3.97447	2.74285	3.61778	4.2978	4.11284	3.47956	4.0956

TUBB2A	11.3517	9.87044	9.54936	9.9764	9.51037	9.92568	10.7357	10.4226	8.3361	11.3355	10.7134	9.19557	8.44024	10.5753	9.81254	9.82086
TUBB2B	6.56058	8.63631	6.47688	7.4416	9.84759	8.17389	10.6889	10.3343	7.09549	9.88929	6.27052	7.82907	6.99689	11.6606	7.01588	6.40779
TUBB3	10.389	8.52989	6.77456	9.62902	8.39497	8.33937	8.50717	8.02431	8.217	8.10686	8.9171	8.30405	8.20021	9.79203	7.79201	8.35614
TUBB4A	5.49125	5.65668	5.73502	5.95408	6.05873	5.56226	6.00238	6.34748	5.93654	5.43853	6.15188	6.13377	6.18038	5.96474	6.25061	6.27095
TUBB4B	11.6449	9.61505	8.2773	10.2496	9.32902	9.34754	9.2593	8.87897	9.57255	8.87038	9.45824	9.21728	8.96335	10.0667	9.02044	9.35525
TUBB6	6.91614	8.25224	8.58859	7.57667	8.62967	8.40158	9.59537	9.65881	8.80376	9.92065	9.94182	8.41252	8.6	7.73058	8.20748	7.58413
TUBB7P	6.12758	6.82071	6.23907	5.31156	5.35918	6.06363	5.75951	6.23123	6.54802	6.1908	5.71676	6.41319	6.42316	4.51021	6.13381	6.24261
TUBBP5	8.25461	8.17389	6.69284	8.77496	6.34126	6.89348	8.41962	6.88557	4.89893	5.76953	6.31936	7.97233	6.69747	7.24867	6.70654	8.18359
TUBD1	6.80739	7.33925	6.79214	6.58303	6.94115	6.73791	7.05982	6.76925	5.88049	7.24112	6.91554	6.71775	6.62824	6.23931	7.13144	5.95819
TUBE1	6.25369	4.12004	5.50113	5.10495	4.41868	5.37736	4.94929	4.99999	3.72436	3.76136	4.48907	4.92622	5.56061	6.18661	4.30729	4.42817
TUBG1	4.92663	5.68875	5.63098	6.5917	6.5687	6.77117	7.15323	5.94733	6.90313	5.98083	6.48361	7.14102	7.31475	6.7294	6.8044	6.06151
TUBG2	3.88851	4.74319	4.9891	4.9654	4.40686	4.4329	4.32228	4.42433	5.29621	4.51316	6.41313	6.51968	4.42745	4.29638	4.90711	4.99899
TUBGCP	6.53939	5.67605	5.8278	6.53227	5.72333	5.81525	5.81627	5.64679	5.75191	6.12575	5.9746	5.71282	6.29473	5.63936	6.21387	6.50696
TUBGCP	4.28111	4.84118	4.75238	4.71667	4.65754	4.67215	4.87712	4.44812	4.55308	4.91594	4.98618	4.21305	4.82272	4.89804	4.76031	4.86655
TUBGCP	5.45154	5.20347	5.08149	5.36187	5.99968	5.96883	6.27927	7.1342	5.53244	5.57103	5.91931	5.69083	5.56655	5.53829	5.98586	5.56338
TUBGCP	5.67113	5.90235	5.51713	6.15861	6.06308	6.33298	6.24827	5.82766	5.67417	5.69321	6.06884	5.39833	5.98617	5.34684	6.30117	6.81937
TUBGCP	6.4501	5.82034	5.87283	5.62053	4.68891	5.05068	6.52517	5.43359	5.51577	6.28914	6.13977	6.48116	6.2778	4.75459	5.07971	6.30419
TUFM	7.3928	8.71651	6.70755	7.5431	8.22973	8.29124	7.7809	8.35464	7.23313	8.61369	8.45757	9.15499	8.62519	8.41962	8.22729	7.99006
TUFT1	9.00106	8.74298	8.7032	8.41335	9.90298	10.9279	10.8912	9.13069	8.79894	8.62416	8.1885	9.55257	8.64113	10.4632	10.5124	9.31635
TUG1	6.4299	6.83992	7.24167	6.39924	7.28385	6.84461	6.323	6.67388	7.44109	7.30766	6.54823	6.83139	6.27672	6.93041	6.71717	6.16644
TULP1	6.09415	6.13367	6.00638	6.42945	5.09839	6.03673	5.22744	6.33679	6.19456	5.25952	6.19367	6.41319	5.13767	6.06026	4.79823	6.21741
TULP2	3.62466	2.77081	2.14348	2.22193	3.10976	2.5608	1.91146	3.76379	2.47145	3.37812	3.46534	2.41615	3.58948	2.16332	3.04901	2.49784
TULP3	6.34603	5.45724	5.29401	6.84551	6.60014	6.93009	7.63682	5.24505	6.18379	5.71171	4.73045	5.71711	5.01929	7.16078	7.60146	5.39055
TULP4	5.60476	5.48773	6.18294	5.24859	6.42092	6.47613	6.22361	4.68985	5.91684	5.29668	4.83778	5.14762	5.78073	4.62626	5.35566	4.94929
TUNAR	5.68319	6.03955	6.07272	5.41719	5.76569	5.11016	4.5939	6.76303	3.5256	5.01601	5.70326	5.78642	5.57521	5.97064	5.8179	4.09222
TUSC1	9.31511	9.47123	9.41517	9.34186	10.7996	9.87044	10.46	10.2527	9.69136	9.67232	8.99157	10.8973	10.0103	7.85291	10.5181	11.1496
TUSC2	8.49612	8.48129	8.03983	8.38038	7.2954	8.04288	7.759	7.94735	7.91926	8.00842	8.21355	8.76046	8.14808	7.7303	7.60269	8.41962
TUSC3	7.52366	6.0027	5.43359	5.84528	7.62114	6.71256	7.71882	5.07619	4.55333	6.30924	6.06561	5.14354	5.79356	6.8223	7.05849	4.46039
TUSC5	2.40819	2.82798	2.8391	2.69863	2.71531	2.72526	2.75954	2.13755	2.58986	2.47565	2.27492	2.69934	2.5663	3.01384	2.50999	2.81134
TUSC7	6.15699	5.4508	5.61798	5.69663	5.66158	5.55021	5.4025	5.53282	5.06568	5.95058	4.81196	5.51506	5.80674	5.69472	5.64746	6.26621
TUSC8	5.36845	5.54926	5.51228	4.78962	5.14982	5.33804	5.46222	5.29702	5.8109	5.63112	5.59972	5.27036	5.06539	5.73779	4.91109	5.08786
TUT1	7.65533	7.71518	7.92598	7.82723	7.5369	7.19036	7.90401	7.40139	7.7281	7.6227	7.43924	7.67409	7.68418	7.86967	7.57366	7.81498
TVP23A	6.28982	6.35534	6.33835	6.089	6.30709	6.23587	5.58083	6.77836	5.88688	6.45815	4.87602	6.02313	6.01067	6.231	6.1695	6.53972
TVP23B	10.3603	10.2725	10.9225	10.2113	11.3436	10.7652	11.1658	11.1559	10.1981	10.3269	9.6193	9.79359	10.7467	10.5398	10.9279	10.6461
TVP23C	7.02091	7.44685	6.93431	6.59981	6.89231	7.46529	7.33814	8.18753	7.02591	7.20671	6.8278	7.41816	8.00842	7.59557	6.64693	7.27521

TWF1	4.34511	4.20362	3.87292	4.57105	4.23705	4.59029	4.99664	3.36453	4.47382	3.85359	4.19503	3.71057	4.29221	4.25636	4.16994	4.41516
TWF2	8.14909	7.69696	7.6386	8.06752	7.42977	7.85153	7.1494	7.24097	7.61925	7.05484	8.04926	8.33735	8.06728	7.84852	7.78656	7.77398
TWIST1	7.13721	7.14258	7.67654	7.04529	6.97709	7.15739	8.17784	7.26724	7.67668	7.22098	7.41527	6.46341	6.0682	7.27126	7.65586	6.75582
TWIST2	6.45583	6.951	6.95361	6.41408	6.71402	6.57677	5.93713	6.66401	6.78078	7.15323	6.82575	6.80357	6.38582	6.46154	7.05445	6.83587
TWISTNI	3.59234	5.28592	4.71037	3.85459	5.21484	4.36688	3.96715	6.01839	3.999	4.23422	5.39029	2.82474	5.04151	4.82391	4.35515	4.93488
TWSG1	7.91926	7.95615	8.01647	8.2033	8.50367	8.70149	7.96606	7.8236	7.62531	8.10571	7.39669	7.54165	7.93087	8.25743	8.36968	8.50078
TXK	2.23882	4.51165	2.81121	4.22106	4.04328	2.88086	5.16804	2.91144	4.30345	1.96807	4.9433	2.91196	4.43617	3.12884	3.0951	5.25333
TXLNA	5.80245	4.86562	5.40501	5.21484	5.39524	5.24471	5.57119	4.85449	5.35079	5.7379	6.89454	5.29113	5.84953	5.88599	6.25012	5.17403
TXLNB	6.76563	6.34863	5.90894	6.986	5.64455	6.22635	6.39759	6.47918	5.67968	4.06894	5.20401	5.02213	5.06106	5.94916	6.24247	6.65074
TXLNG	5.99489	6.27038	6.43116	6.46809	6.4377	5.96732	6.19907	6.27509	5.93821	6.18849	6.59885	5.99359	6.40584	5.69505	6.12974	6.51087
TXLNGY	6.83799	6.84156	7.55633	3.99352	6.4034	7.18152	5.19994	7.17539	6.59764	6.96211	6.39148	7.25116	4.53215	7.32054	7.04312	6.8872
TXN	8.52058	8.74527	8.86529	8.66383	8.40382	8.02733	8.6144	8.90826	9.36648	8.53034	9.03052	7.62531	9.40143	8.52211	8.65357	9.37098
TXN2	8.22781	8.38085	7.81498	8.27971	7.68033	7.98311	8.16431	8.59625	7.87861	8.1136	8.31214	8.38687	8.29715	8.46273	8.30848	7.94249
TXNDC1	9.26606	9.63071	9.47585	9.27414	9.03131	8.43726	7.92507	9.9764	9.46022	9.4889	8.34839	9.33149	8.76971	8.8053	9.60059	9.08751
TXNDC1	9.46237	9.18918	9.38269	9.4479	9.67513	9.7488	8.95659	9.15499	9.09448	9.20192	9.02378	9.82345	9.46022	9.84942	9.69292	9.4206
TXNDC1	8.43956	8.94549	9.7337	9.05969	8.20175	8.75206	8.80792	9.36648	8.91549	9.50874	8.42938	8.371	8.21957	8.15692	8.61593	8.01409
TXNDC1	7.26549	6.88467	7.03789	7.44971	8.42856	6.28277	6.7147	6.01489	7.19551	7.28396	7.17396	6.0877	8.09882	6.33371	7.50536	7.88964
TXNDC1	8.74074	9.0105	8.16905	8.73982	8.65073	9.84759	8.78314	9.18298	8.65576	8.33807	9.29432	8.77566	9.51037	9.44547	8.89592	8.79141
TXNDC2	4.81317	4.05472	4.8012	5.70986	5.31846	4.49636	5.01217	5.84166	5.00736	5.7065	5.53995	5.80335	6.29187	5.65342	5.01	5.30704
TXNDC8	5.4792	6.23627	4.58037	5.84845	4.96712	5.57446	3.42552	4.31688	6.24391	4.03381	4.69677	5.47823	4.30438	3.24563	5.12503	5.02291
TXNDC9	7.63257	8.64502	8.03799	8.70805	9.39963	8.20394	8.95531	8.79047	8.54913	6.94648	9.14095	7.78156	9.35033	8.63551	9.20378	9.44547
TXNIP	8.70076	8.17853	9.00167	8.98153	6.80898	7.3959	5.68446	6.533	7.99046	7.14362	6.42136	7.75362	8.15443	5.86875	7.15926	6.65193
TXNL1	7.60189	7.33414	7.64555	7.69763	7.92634	8.30517	8.82383	7.99451	7.46566	8.14808	7.18732	7.48544	6.81521	8.30008	8.28836	7.4644
TXNL4A	6.36788	6.0697	6.07154	6.38382	6.88646	6.83657	7.9532	7.00261	6.62245	7.05429	6.87678	7.1885	6.60229	7.3525	7.17539	6.41254
TXNL4B	6.29935	6.60014	5.76786	6.18701	6.45868	5.88826	6.06636	7.05953	6.61987	5.96015	7.02799	7.04241	7.24063	7.6386	6.61815	6.86703
TXNRD1	6.44114	6.4978	5.39161	6.77825	6.30196	5.48864	5.96948	4.95919	5.41821	5.22886	6.92836	5.94198	5.26424	6.81217	6.71775	6.36226
TXNRD2	6.91209	6.34603	6.40861	5.85235	6.17699	5.83411	4.78714	5.90883	6.03898	6.84862	6.53697	6.8874	6.8955	6.50774	6.13713	5.58593
TYK2	8.11503	8.69882	8.82517	8.25433	9.41736	8.97007	8.71747	9.08426	8.76664	8.59699	8.49143	9.63723	8.83871	9.37012	9.56326	8.76383
TYMP	7.51144	7.32358	7.69278	6.02979	7.10583	6.61529	6.97599	6.55559	7.58312	6.0495	8.48593	8.86269	7.88003	9.04992	6.87653	7.68418
TYMS	5.82616	6.6589	5.99223	4.92858	6.54516	6.54403	6.26293	6.05489	6.4483	5.09969	6.87096	6.53782	6.72148	6.8278	6.28188	5.94989
TYMSOS	6.68175	6.99203	6.74268	6.52222	6.818	6.599	6.99794	6.68032	6.50907	6.586	6.47194	6.84445	7.20644	6.70719	6.0246	7.11341
TYR	3.78126	4.10722	4.32526	3.50071	4.11388	4.14389	3.99254	3.44868	4.43507	3.30245	4.30558	3.10839	5.14762	3.40607	4.2448	3.56706
TYRO3	5.46805	4.53653	4.63436	5.21912	5.01818	4.63995	4.64211	5.24569	5.62474	6.20404	5.54883	5.52733	5.02539	4.56123	5.53761	6.2245
TYRO3P	2.76414	2.66249	4.19396	3.51688	2.54292	3.02599	3.70822	3.62493	4.23866	4.10591	4.02254	4.1352	3.78013	4.15877	3.17881	3.64199
TYROBP	7.96217	8.91934	9.2553	9.06728	7.88801	9.45133	7.75334	8.36116	9.00325	8.48075	9.97015	9.34108	9.74618	8.72336	8.17389	8.44895

TYRP1	2.70064	4.80626	4.06126	3.64199	3.10976	2.11228	4.46025	5.15157	3.79382	4.04734	3.76737	4.90513	4.69821	4.75121	5.32857	5.21582
TYSND1	5.79319	5.92763	4.92065	5.58578	5.72213	6.04759	5.3635	5.86754	6.25347	4.93594	5.56014	5.80642	6.05942	6.5997	5.32654	6.42092
TYW1	8.29444	7.9949	8.05538	7.85734	7.90263	7.81725	7.88327	8.12416	7.99888	8.45141	7.60818	7.92001	7.94249	8.12568	8.23238	8.01323
TYW3	7.62309	8.5194	7.95029	8.43133	8.3014	8.25549	8.02733	9.22973	8.68153	8.34898	7.83883	8.48507	8.55015	8.03105	8.05838	8.72582
TYW5	6.01704	6.31219	5.95721	5.36786	6.25108	6.38973	5.63833	6.74124	6.14261	5.43734	6.64551	6.1861	6.98142	6.0218	6.16281	5.76327
U2AF1	6.62814	5.99062	6.36554	6.25446	5.33145	6.36638	5.95743	5.72249	6.20038	6.01189	6.58362	5.25231	5.13206	6.44554	6.17461	6.10515
U2AF1L4	6.17611	6.62481	6.19859	5.5524	6.12195	6.57007	5.84212	5.58831	7.13134	5.43291	6.21688	6.68752	6.59663	5.49726	5.90637	6.14635
U2AF2	5.85761	5.03644	5.31378	5.52908	5.43378	5.72807	5.44882	5.39055	4.81223	5.30736	5.83966	5.20249	5.82175	5.2126	5.63513	5.66145
U2SURP	6.61915	6.60946	7.29993	6.73115	7.32857	7.25205	7.23877	7.02452	7.03614	6.64649	7.02068	6.23706	6.58441	6.83319	7.1549	7.46068
U47924.2	7.76668	7.25138	5.46755	7.39659	5.49029	5.73173	6.6025	6.26403	6.08246	7.10172	5.93577	6.14411	6.65877	6.20951	6.28743	6.93874
U47924.2	1.70087	2.10562	2.33881	1.73098	1.64332	1.90997	2.0296	1.61881	1.81152	1.63837	1.98377	1.54854	2.04398	1.4899	2.00801	1.92725
U91328.2	6.05497	3.86261	4.19043	5.47965	4.84616	6.06644	5.34628	5.15157	4.32665	5.5278	6.12946	3.83791	4.82475	5.06976	5.77111	4.52926
U91328.2	4.93295	6.36978	6.33034	6.54728	6.00448	6.63108	6.54748	6.83201	6.40584	4.76479	6.24286	6.21114	5.57129	5.25618	6.66367	5.78564
UACA	6.64925	6.09528	6.4299	5.95652	6.42054	6.51878	6.57122	6.28827	5.96497	6.54748	6.48536	5.94721	5.72572	5.85235	5.80674	6.03898
UAP1	9.51037	9.0587	8.81366	8.18536	8.51453	6.69654	7.44148	8.52368	8.44095	9.68026	8.45826	7.29172	8.1768	8.6216	8.11421	9.18918
UAP1L1	5.34559	6.84862	6.31563	6.07849	6.55763	6.27789	6.07197	6.69348	7.14818	6.08344	6.71238	6.78347	6.43314	5.46025	6.66476	6.95533
UBA1	6.8278	6.73005	6.27066	6.65991	6.56956	6.59837	7.43691	6.94344	7.20295	6.65787	6.70376	5.09073	6.02713	6.53612	6.85438	6.27451
UBA2	7.30238	7.27872	6.2802	7.10353	8.04476	7.35212	8.65431	7.03744	7.49844	8.11103	8.15803	7.74178	6.50074	8.04873	8.42795	8.52989
UBA3	10.3191	10.4412	10.6816	10.6118	11.048	10.398	10.6549	10.9849	10.1887	10.1277	10.6273	9.59537	10.2374	9.80853	10.8383	11.1559
UBA5	7.25372	7.31697	7.55999	7.06102	8.07849	7.29882	6.89314	7.82698	7.17852	8.56369	7.74569	7.43046	7.13904	6.82985	7.5453	7.60335
UBA52	11.9903	12.2597	12.1026	12.3743	12.2974	12.1308	12.2366	12.2135	12.1026	11.5856	11.9321	12.4376	12.3273	12.3111	12.3491	12.2974
UBA6	6.17178	5.88699	5.60476	5.86266	5.46303	5.59929	5.63658	5.593	5.80143	5.77492	6.56658	5.65292	5.81272	5.8392	6.21121	6.13121
UBAC1	8.86269	7.8991	7.82676	8.23555	8.32241	7.66822	7.17943	7.97893	8.20021	7.85515	7.80998	8.28067	8.37378	8.35397	7.89617	9.0488
UBAC2	7.97302	7.53873	6.59456	7.50575	7.50258	8.1354	8.31785	4.55333	7.7665	7.42232	8.10225	8.49565	6.92666	8.39908	8.20866	7.72159
UBAC2-A	5.72232	5.97716	5.53215	5.80173	5.55712	5.48379	5.74943	6.14368	6.05682	6.05243	5.97818	5.21321	6.10124	6.46039	6.2054	5.82822
UBALD1	3.35726	3.7815	4.20975	4.22557	3.44604	4.00429	3.19417	3.72436	4.12557	3.31615	3.41248	3.36807	4.68925	3.93299	3.01059	3.26737
UBALD2	5.25736	6.18015	3.91319	5.55777	4.81941	5.03555	5.65354	5.17906	4.85938	5.32654	5.99641	5.9857	5.1356	5.12855	3.96928	5.34089
UBAP1	7.72199	8.09882	7.48719	7.80919	7.8415	7.7737	7.92801	8.2507	7.52261	7.58505	7.82579	8.2438	7.49911	8.33456	7.58264	7.92999
UBAP1L	6.38394	5.9069	5.82175	5.48664	5.57613	6.34505	6.28487	6.23343	5.71924	5.93974	6.10324	5.51152	6.10515	5.94857	6.09737	6.0189
UBAP2	8.06529	7.88003	7.39533	7.27718	8.60718	8.33525	8.65974	9.25706	8.39162	8.41541	8.49069	8.1354	8.22781	8.06728	8.15735	8.84687
UBAP2L	6.63421	6.21882	6.15875	6.07349	7.14925	6.27213	6.58914	6.56368	7.73431	6.31219	7.08361	6.66158	6.79214	6.51724	7.32554	7.24292
UBASH3	5.21272	7.00783	7.5199	7.26312	7.02669	6.53507	5.79711	7.1297	7.46202	3.85542	5.20401	6.97727	5.18263	6.38505	6.70448	6.81012
UBASH3	4.7747	4.62508	4.49501	4.5892	4.36722	4.35425	4.31871	4.78876	4.81676	4.27298	5.02539	4.85515	4.3009	4.44454	3.6498	4.33928
UBB	12.9525	12.7548	12.7329	12.7845	12.7329	12.7145	12.6989	12.6989	12.6407	12.4376	12.3939	12.5715	12.5798	12.6989	12.7548	12.6407
UBC	11.2398	11.2207	11.422	11.3155	11.1496	11.3355	11.6606	10.8621	11.2633	10.6426	10.9586	11.1225	10.8383	11.5923	11.3844	10.3298

UBE2A	8.40588	8.59276	8.73274	8.71927	8.99433	8.43012	9.25462	9.01348	8.4587	8.4499	9.34263	8.04125	9.46488	8.8528	8.69304	8.44095
UBE2B	6.41388	6.53713	6.73214	6.64563	6.58707	6.98813	6.82513	6.55209	6.50052	6.67407	6.32792	6.26621	6.92499	6.89348	6.43709	6.75957
UBE2C	6.29418	8.57592	7.80198	6.71075	7.76334	7.61518	8.90489	8.38967	7.40169	6.35206	9.21392	7.8312	9.31454	8.64857	9.01679	9.18298
UBE2D1	5.3317	6.25491	6.52948	6.47704	6.45561	6.36841	5.21987	5.89988	6.51384	5.86329	7.32824	5.94527	7.04312	6.44114	6.566	6.14519
UBE2D2	8.07378	8.7993	8.29485	8.41852	8.38085	9.00017	9.23319	9.09551	9.00592	8.51568	8.60718	8.36277	9.18711	8.69101	8.77929	8.60597
UBE2D3	7.62838	7.75767	8.24674	8.08406	8.31119	7.86967	7.7737	8.41228	7.81773	8.02537	8.3687	7.76557	8.18097	7.98107	7.95757	8.12039
UBE2D4	7.55303	7.62838	6.72553	7.4913	7.52923	7.49156	7.26032	7.87951	6.97927	7.80586	7.05622	8.049	8.02883	7.5397	7.19055	8.34289
UBE2DN	2.65839	2.74824	2.17949	3.15929	2.91487	2.45459	3.27441	3.56906	2.86093	4.20362	2.98436	3.08704	3.12086	2.99448	2.21248	3.32854
UBE2E1	10.1887	10.3563	10.6426	11.1658	11.0928	10.6461	10.6304	11.2015	10.2415	10.0103	10.617	10.3871	10.6351	9.86158	10.4632	10.8206
UBE2E2	9.22652	10.1981	9.14361	9.7568	8.77063	9.80516	9.55257	8.39449	9.10446	8.68785	9.70398	8.43657	10.1334	7.36877	8.77123	9.03868
UBE2E2-	4.36572	2.1636	2.88071	2.50291	1.80599	2.67969	2.3531	3.23218	2.47145	2.38782	2.56627	2.31832	1.53958	2.82083	1.6611	2.12859
UBE2E3	8.85787	8.87664	9.15306	9.54001	10.494	9.79203	9.45067	9.38602	9.46771	9.89582	9.1073	9.72915	9.62568	10.1542	10.5345	9.73939
UBE2F	7.22111	7.74711	7.19947	7.25982	8.19449	7.81334	7.5386	8.14618	7.42295	7.52366	8.38415	7.82614	8.28971	8.05368	8.45826	8.23823
UBE2G1	8.49271	8.8262	9.15916	9.0488	9.05406	8.96525	8.38151	8.34076	8.76117	8.86928	9.17857	8.72582	9.19948	8.73084	8.96961	8.60522
UBE2G2	6.97857	6.70089	6.52729	6.42707	7.68737	6.74345	6.65193	6.96941	6.69654	6.53939	6.85491	7.095	6.72429	6.91191	6.26147	6.86689
UBE2H	6.53241	6.3469	6.88943	6.48414	6.48293	6.26517	5.73636	6.20878	6.17309	6.06581	6.25872	6.41424	6.32063	6.23179	6.47803	6.16231
UBE2I	5.71218	6.51815	6.50281	6.29119	6.54223	7.24146	6.56956	6.46341	6.42535	6.36077	6.26907	5.81398	6.43815	6.99931	6.74515	6.45143
UBE2J1	7.64788	8.27357	8.54592	8.25743	7.60753	7.77398	7.5985	8.60522	8.30721	8.52003	7.34719	8.48462	7.58161	7.6884	7.99684	7.51042
UBE2J2	6.63002	7.27143	6.37709	6.88898	6.5886	6.73338	6.7602	6.27451	6.3797	6.61862	6.45207	6.5503	6.57417	6.85382	6.28712	6.60204
UBE2K	7.82828	8.60896	8.80719	8.3496	8.9792	8.84609	8.26281	8.5739	8.8861	8.184	8.6216	8.44151	8.47386	8.17017	8.91995	8.6233
UBE2L3	7.3706	7.66951	7.66537	7.02379	7.7162	7.82536	6.93183	7.7049	7.79044	7.73431	8.13823	7.56828	7.09448	8.32269	8.04043	7.75071
UBE2L6	9.36648	9.82582	10.552	9.82232	10.3563	10.4548	9.71962	10.7876	10.783	9.12606	10.6972	10.5021	10.6686	10.1183	9.75827	10.0953
UBE2M	3.19594	3.67703	2.25072	3.71004	2.21727	3.50802	1.73976	2.52957	1.76451	3.50939	5.94097	6.09917	3.42036	6.94101	4.44812	3.20278
UBE2N	6.87888	8.0157	6.71337	7.9514	7.79351	8.01647	7.22538	7.5383	7.65295	7.59417	8.50501	7.23877	8.55896	8.30517	7.76799	7.19222
UBE2NL	6.72233	8.46942	6.62398	8.66602	7.53498	6.62843	6.9158	7.17852	6.82357	6.26737	8.99832	6.59402	8.26281	8.24645	8.17211	7.59042
UBE2O	3.99029	4.23009	4.91008	4.49747	4.21672	4.2497	4.19557	4.31871	3.78428	4.76339	4.03261	4.3523	3.36719	4.05411	4.15084	4.84817
UBE2Q1	5.82978	6.04891	6.27556	6.44014	6.18203	6.16313	5.98732	6.63824	6.16627	6.22361	6.65074	6.36829	6.49308	6.51775	6.55085	6.56504
UBE2Q2	8.22019	8.46388	8.51084	8.43605	8.26204	8.58048	7.96786	7.56326	8.10994	8.71998	8.57525	6.70425	8.86269	7.38356	8.32089	8.64857
UBE2Q2I	6.45143	6.29087	6.60946	6.84306	6.51492	6.5777	6.75064	6.89597	6.22672	6.37861	5.73322	6.20404	6.38109	6.31353	6.19975	6.12053
UBE2QL	3.29115	2.87137	3.82238	3.9262	5.30623	3.51809	5.15653	4.42897	4.1934	3.36719	2.5081	4.0032	4.82307	4.29473	4.27004	4.3009
UBE2R2	7.90099	7.99727	8.02537	8.07286	8.13968	8.11142	7.46327	7.79551	8.15305	8.09695	8.27148	8.23743	6.24397	7.9568	8.00205	8.20228
UBE2S	3.77751	5.61119	4.87214	4.07003	5.81113	5.07507	5.34628	4.20167	5.88266	5.18249	8.56737	8.00182	7.70895	7.81066	6.27566	7.35385
UBE2T	5.93782	6.97901	7.10409	6.55391	6.02339	6.73533	6.57265	6.55426	6.18897	6.88146	8.02057	7.0208	8.24872	7.39475	6.47439	7.29756
UBE2U	3.40263	4.83434	4.51723	4.65754	4.21647	4.22557	4.49442	5.44648	3.66246	5.06381	3.67756	3.93432	3.87574	4.39265	4.83036	4.71408
UBE2V2	6.83474	7.41439	7.72159	7.40489	8.07286	7.09477	8.04702	6.85382	7.49279	7.15117	7.6668	6.53433	7.74644	7.56925	7.71275	7.65049

UBE2W	6.2284	6.44198	6.67513	6.96135	7.22049	6.60701	6.74019	6.65014	6.68352	5.78665	6.6655	6.14519	6.8869	6.65525	6.51464	7.00172
UBE2Z	7.49498	7.31148	7.47229	7.26761	7.29026	7.25444	7.95514	6.87829	7.5808	7.47282	7.5405	7.3332	7.63559	7.62734	7.12234	7.059
UBE3A	6.38805	6.32482	6.54574	6.24509	6.88265	6.70844	6.48966	7.0855	6.80432	6.77874	6.37201	5.55021	6.05846	6.63446	6.49673	6.81688
UBE3B	5.88542	5.77151	5.26452	4.97169	5.66899	5.35681	5.02274	5.38226	5.3543	4.54821	5.12034	5.34567	5.95836	5.89863	5.0199	5.45677
UBE3C	6.13418	5.66409	4.86562	5.95281	5.18175	4.98009	5.68466	5.23521	5.25191	5.03349	5.52864	5.97943	5.59996	5.42899	5.30223	5.75528
UBE3D	5.14354	5.35991	5.23108	5.57947	4.65971	5.03131	6.22659	4.69665	5.19399	4.94502	5.23021	4.12088	5.70887	5.3531	5.23593	5.55676
UBE4A	10.058	9.50597	9.8453	9.25053	10.0844	9.76893	9.29827	9.85557	9.79203	9.99505	9.37708	7.78565	8.83744	8.61815	9.0105	9.23192
UBE4B	5.25716	5.26002	5.17489	5.14329	5.04772	5.45472	5.30268	4.85808	5.19435	4.83434	4.7818	4.59901	5.69888	5.28942	5.32985	4.86432
UBFD1	7.66346	7.46174	7.89777	7.66306	7.80293	7.60702	7.59076	7.83639	7.82145	7.29816	7.64985	8.13992	8.17509	8.3527	8.08932	8.03524
UBIAD1	5.50593	5.80388	5.70963	5.40857	5.54645	5.47673	5.18249	5.43281	5.27316	5.34089	6.04099	5.73868	5.23646	4.69635	5.47492	5.79356
UBL3	8.89445	8.4259	8.58199	9.21274	8.48955	8.10571	7.97532	7.46257	8.00348	8.39244	7.71776	7.40347	7.72291	7.80556	8.46911	7.98311
UBL4A	7.75205	7.74569	7.90683	7.73538	7.6183	7.52098	7.28385	7.62619	7.67994	8.33277	7.65332	8.41793	8.07262	7.49411	7.0876	7.39033
UBL4B	3.97	4.04274	4.07777	4.11572	4.00401	3.84347	3.63379	4.08791	3.00175	3.94629	3.96629	4.18954	4.18518	4.02841	3.87472	4.1399
UBL5	10.3441	10.4209	10.163	10.8356	10.5711	10.8973	10.9531	9.7224	9.73529	9.88284	10.8107	11.5301	10.8107	10.5789	10.2628	10.7267
UBL7	5.28671	6.80863	7.00261	7.08088	6.53793	7.09069	7.32606	6.76563	6.80002	6.78913	7.10149	7.43511	7.1947	7.72936	6.49715	6.96582
UBL7-AS	4.2307	5.15599	4.17744	4.22534	4.59901	4.02162	4.66059	4.73261	4.95701	4.27841	4.85833	3.51074	4.81915	4.25098	4.68339	4.33482
UBLCP1	8.76971	9.12408	9.24332	9.46771	9.40387	10.167	10.5398	9.85932	9.86381	8.81753	9.53523	8.03931	9.12731	9.15554	10.2955	9.63482
UBN1	8.23028	7.5431	8.68396	8.03741	7.15992	8.38509	8.21355	8.00348	7.25999	6.59326	6.91121	8.16058	7.51009	7.83323	7.9568	7.41632
UBN2	4.72699	4.2296	4.92674	4.48075	4.57572	4.21435	4.78149	4.8047	4.53702	4.27584	4.68622	4.12652	4.69014	4.66526	5.00917	5.12745
UBOX5	5.7941	6.31023	5.98895	5.96227	5.85107	6.21912	5.95281	5.85888	6.36903	5.99556	5.70415	6.2474	6.13374	5.90129	5.93291	6.09189
UBP1	9.52648	9.64884	9.80078	9.68446	9.66114	9.64485	9.29927	10.2341	9.81371	9.18833	9.89971	8.94679	9.30995	9.1846	9.78359	10.1542
UBQLN1	8.60042	8.59959	8.81505	8.59024	9.16038	9.11315	8.84532	9.27564	9.32763	8.71787	9.22028	8.59531	9.20892	8.1697	8.82977	9.41034
UBQLN2	8.20394	7.31288	7.96217	8.25549	7.69946	7.64031	8.07874	7.22086	7.79105	7.87346	7.93177	6.46428	7.92801	7.52876	8.26134	7.79551
UBQLN3	5.03573	3.58335	2.98152	3.8462	4.18809	4.33243	3.85658	3.21508	3.78033	4.13002	4.46398	3.11416	5.20492	4.3596	4.22871	4.55668
UBQLN4	6.7566	6.0385	6.76443	6.61529	6.61459	6.68208	7.60892	6.90375	7.52046	7.13187	7.16285	7.07769	5.97235	7.55198	7.56947	7.60851
UBQLNL	4.11079	2.51658	4.18506	4.35425	2.63482	2.65434	1.95222	4.24814	4.84059	4.53581	1.91586	4.82852	2.52228	2.91144	4.66033	3.6836
UBR1	8.42675	8.71319	8.39725	8.40249	7.86294	8.42736	6.79359	8.24208	8.36563	8.47703	8.66491	8.1282	7.54029	7.49279	7.013	7.92449
UBR2	4.76487	5.54814	5.72084	5.60769	5.69999	4.62359	5.05935	5.41755	5.04103	5.44574	5.67655	5.00871	6.05425	5.31338	5.61435	4.78947
UBR3	6.06816	4.77788	5.90151	5.76027	5.93612	5.5809	5.89863	5.31186	5.33582	6.17538	5.86	4.89352	5.38902	5.44837	6.30176	5.45648
UBR4	5.16681	6.57468	6.1129	5.50616	5.49177	5.02623	5.99873	6.19068	5.8546	5.35015	5.26177	5.41855	5.52307	5.7256	5.14097	5.9407
UBR5	8.44366	8.03847	8.20702	7.89038	8.4593	7.7985	7.72953	7.60493	7.60753	8.09882	7.83976	7.34936	7.78156	7.88746	8.28067	8.66724
UBR7	8.3822	8.94383	8.53692	8.76701	8.74487	8.44788	7.80271	8.28805	8.74119	8.28971	8.67368	8.14368	8.76006	7.78199	8.35903	8.0712
UBTD1	7.71725	7.26223	7.23538	6.81113	7.0852	7.39425	6.65267	7.12528	6.47102	7.45317	7.11235	7.18935	7.17305	7.30272	7.43454	6.91448
UBTD2	8.44895	8.46329	8.64502	8.27775	8.22781	8.08673	7.75205	7.75423	8.09933	8.81664	8.27215	7.5985	8.72779	8.06036	8.79695	8.22834
UBTF	3.98194	4.75563	4.57882	4.01247	4.46469	4.45689	4.25636	3.60881	4.2998	4.14815	4.50899	4.20048	4.85088	4.46039	4.37803	3.99526

UBXN1	8.04288	7.90829	7.75334	7.7726	8.08385	8.27473	8.3093	7.96917	7.87296	7.76017	7.52301	8.53406	7.76155	8.44434	7.93861	7.97364
UBXN10	9.01248	7.7845	5.57644	8.28436	5.33725	4.53544	5.4479	5.34141	6.79158	5.45508	4.96785	7.11556	4.41679	5.47823	4.73921	5.10681
UBXN10·	6.17104	6.54748	4.8528	5.45206	5.56331	4.56925	6.54748	5.9856	3.66585	6.77706	4.67236	6.30901	6.36788	4.27418	3.83184	5.73121
UBXN11	6.90904	6.14304	6.78565	7.38342	6.77235	6.94902	7.13821	7.62696	6.64563	6.24408	7.26448	7.27283	7.04769	6.32393	7.54704	7.49508
UBXN2A	7.90366	7.62531	7.85515	7.71993	7.58264	8.01367	8.32414	7.45647	7.92161	8.23177	7.4042	7.37266	7.51973	7.4644	7.75696	7.26483
UBXN2B	6.32509	6.68677	6.87053	6.89173	7.11036	7.01754	7.236	6.79335	6.3569	6.70654	7.10181	7.2034	6.79668	7.03131	7.07585	6.63175
UBXN4	7.51588	7.7121	7.82021	7.53012	7.00766	7.31041	7.70673	7.22326	8.05282	7.24474	7.57081	7.75239	7.80406	7.48191	7.51329	7.53012
UBXN7	6.60899	6.14693	7.3304	7.09315	6.9682	6.51846	6.85206	6.10715	6.97213	6.87603	6.8071	6.06363	4.83215	6.59933	7.09419	6.41151
UBXN7-A	5.64699	5.493	6.18392	4.75966	5.21582	5.35829	5.39676	5.85064	6.06551	5.53181	5.47559	5.66502	4.97697	5.17427	5.44017	4.31542
UBXN8	6.56431	6.63787	6.64708	6.62442	6.74406	6.67287	6.74871	6.94457	6.23123	7.05684	7.20233	7.23024	6.93789	6.76434	6.41769	6.92499
UCA1	7.25544	7.17603	7.75146	7.72905	6.89934	7.52678	7.37234	8.39821	7.25499	7.56138	7.64528	7.64894	7.07187	7.21911	7.08431	7.17667
UCHL1	4.53835	5.60113	5.83304	6.19774	4.81915	5.8117	5.53684	4.74543	6.15923	6.03276	5.32026	4.99636	5.23996	3.98921	4.75073	5.64281
UCHL3	7.22425	8.06065	7.76286	8.05758	7.61253	7.39033	7.63463	7.96312	7.49794	8.20591	8.40127	8.03799	8.64938	8.03548	7.44855	8.28836
UCHL5	5.64557	5.64066	6.30433	6.23233	6.19705	5.85251	6.75444	5.48559	5.98014	6.26834	6.95289	6.14099	6.6682	5.49864	6.14424	6.82609
UCK1	7.17852	7.42526	6.40695	6.54256	6.66605	6.55737	6.31363	6.39462	6.85972	6.82812	6.10692	6.82125	7.31755	6.75013	6.60329	7.05162
UCKL1	4.85334	5.08631	4.76031	5.15926	4.98989	4.90779	5.70415	5.75467	4.9789	5.87709	4.79903	5.42209	6.0605	5.04372	4.95627	5.47909
UCMA	4.63591	4.81438	4.62918	4.7949	3.6922	6.6178	5.31453	4.10002	3.40648	4.18447	4.64068	4.01677	3.26844	3.3814	4.04773	3.26138
UCN	3.9256	4.69357	5.79533	2.98748	4.15744	3.8659	2.70047	3.3596	3.87677	4.26756	3.68444	2.53152	5.83395	4.37922	2.76084	4.89742
UCN2	5.67016	5.12193	6.24434	5.65728	6.88048	6.6667	6.31876	5.85651	5.12092	6.51189	6.20495	6.35103	6.3204	5.91431	6.32858	5.16989
UCN3	6.17611	7.60624	6.65604	7.2533	7.11489	6.76962	7.03789	7.1008	7.03653	7.0852	6.45163	7.08843	7.46862	7.60208	7.3525	7.25283
UCP1	2.08404	2.79266	2.23187	2.06899	3.09072	2.07394	2.63794	2.30474	3.04535	2.15841	1.91586	2.64907	2.34547	2.31516	2.81201	2.15094
UCP2	8.80376	9.03003	7.47582	8.47157	7.16758	8.6216	6.42461	8.83036	8.64262	8.45546	7.75239	8.76117	7.68808	6.92524	7.31075	8.16657
UCP3	5.51836	4.5743	5.57483	3.94907	5.07913	5.82241	4.03533	5.563	5.34934	5.52199	5.60636	5.93022	5.10517	4.58568	5.52799	4.57315
UEVLD	5.83541	6.96907	6.69747	6.76871	6.37347	7.07983	7.2038	6.86221	6.86529	6.36968	6.65309	6.2833	7.17852	6.61362	6.83051	6.42772
UFC1	12.1489	11.5301	10.8755	11.9903	11.0355	10.7062	10.6118	10.5398	10.9359	10.908	10.5619	11.468	10.9309	11.1357	11.3656	11.3844
UFD1L	7.2857	7.55335	7.82614	7.89821	8.41134	8.36439	8.29896	8.12539	8.39024	7.4188	8.23238	8.22366	8.36242	8.10975	7.93452	6.76962
UFL1	7.21373	6.59011	7.31596	7.27505	6.53457	7.0163	6.16548	6.38062	6.85308	6.91402	6.33025	6.815	6.94242	7.30308	6.41151	6.67595
UFM1	7.17743	7.48908	7.93087	7.56746	7.14512	7.05226	7.31824	7.84223	7.41593	7.34377	7.63211	7.04364	6.18222	7.54421	6.99808	7.61626
UFSP1	3.51548	4.44401	3.38079	3.6916	3.46884	3.63988	3.23578	3.02948	4.56553	3.25068	4.47005	3.86376	3.67703	3.07586	2.95994	3.12132
UFSP2	8.17853	8.58569	8.9396	8.51853	8.60131	8.58931	8.26232	8.70149	8.7291	8.98061	8.55255	8.10701	8.19358	8.51199	8.56737	8.33216
UG0898H	2.93839	2.9343	2.16332	1.98925	1.86408	1.13258	2.79701	1.54197	0.64273	4.27232	1.01454	3.56848	2.8623	0.41243	3.11783	2.18004
UGCG	8.12568	7.56562	7.79704	7.91644	6.3794	7.83054	7.06209	6.54069	8.26535	5.70543	7.67251	7.11147	7.24927	6.83067	6.42092	7.56512
UGDH	9.78594	8.55961	7.94461	8.86529	9.26491	10.6816	10.5345	8.898	10.4094	8.94549	8.88342	8.87752	9.73676	9.79415	9.82707	9.30247
UGGT1	6.63705	6.18076	7.01125	6.20362	6.49328	6.3794	6.24558	7.34486	6.61541	7.17188	6.63193	6.30924	6.17147	6.28545	6.99884	6.30958
UGGT2	4.84558	3.68688	4.09427	4.20503	4.39545	4.95231	4.79885	4.17971	4.20167	4.86961	4.71235	4.04939	4.37497	4.74224	4.70583	3.9077

UGP2	8.19509	8.06265	8.66226	8.35018	8.46388	8.19276	8.67767	8.07098	8.75124	8.90205	8.28436	7.95894	7.99407	7.40328	7.87951	7.76017
UGT1A1	1.50761	1.40126	2.14348	2.58828	1.88842	1.19537	4.88202	1.31605	1.1038	1.82992	1.44615	1.41969	1.4697	1.97057	2.00801	1.42001
UGT1A6	5.95764	5.95444	5.80344	6.31515	5.94627	5.19496	5.43734	5.99145	5.19212	5.6242	5.69404	6.13377	6.25587	6.16781	5.63274	5.69955
UGT2A3	2.13523	2.91316	4.19503	4.44124	4.61145	1.26539	3.10453	4.13045	1.00765	-0.3067	4.55066	4.20427	0.248	5.55115	3.81591	2.7492
UGT2B15	5.36625	5.21296	5.46462	3.77904	4.32501	6.33379	5.08302	4.64607	7.09937	6.18419	4.45111	4.67186	4.75405	7.798	4.85358	4.4613
UGT2B17	5.12105	2.13825	5.15361	1.85049	3.42572	4.38024	4.86994	3.31083	5.18657	5.50605	3.26817	4.10127	4.41983	5.65647	5.1794	3.20278
UGT2B28	6.09928	5.0136	4.08953	5.50211	5.61148	5.03249	5.8678	6.28503	3.92436	5.6167	4.92331	5.11046	5.74383	4.18663	4.50446	4.07003
UGT2B4	0.73695	3.34445	1.68451	1.20944	2.81309	2.69944	0.75071	2.34717	0.36087	-0.0459	2.48014	2.76999	0.57957	5.00109	0.24178	-0.2642
UGT3A1	4.45043	3.14573	4.36139	4.97329	4.19473	3.51576	3.36671	2.68324	3.85758	4.76092	4.94835	4.31918	4.2497	2.87864	3.9093	2.75897
UGT8	4.44979	4.06073	4.59815	4.77053	5.98237	4.06918	3.98045	2.47938	4.21802	5.88481	2.97675	5.67141	4.17457	2.90014	3.74733	4.12155
UHMK1	7.35459	6.88011	7.69369	7.19916	6.86811	7.19009	7.1641	7.26885	7.27109	7.22399	7.37708	7.70306	7.47747	6.74045	7.16051	7.23812
UHRF1	5.16345	6.54875	6.44688	5.23955	7.62599	6.50096	8.93625	7.90591	7.16265	2.04282	8.8213	7.30197	8.30008	7.15085	7.48908	8.42321
UHRF1B	6.53782	6.57895	6.65226	6.52472	5.97222	6.54223	7.10453	7.05554	6.71256	6.42879	6.78789	5.80973	6.14519	6.61757	6.85663	6.50329
UHRF1B	5.04103	4.41538	4.6439	5.15143	4.40173	5.08232	5.08025	4.52611	5.41438	4.58644	4.48532	4.80874	3.12933	3.83648	4.12751	3.49121
UHRF2	9.97305	9.14795	10.4448	9.26858	10.1516	9.44547	8.02942	10.1021	9.39515	9.08092	9.57128	8.78314	8.63124	7.89141	8.86313	9.56952
UIMC1	7.81851	7.61653	7.65344	7.76668	7.66306	7.94504	7.91508	8.22834	8.08567	7.36476	7.95464	7.51679	7.54151	8.06968	7.88305	7.98571
ULBP1	6.40233	5.47155	6.25432	5.63391	5.57898	5.56226	5.83954	6.01489	5.72358	6.55405	5.82134	6.24627	6.44179	5.9868	6.6596	6.45727
ULBP2	3.9277	4.03299	4.82888	3.5826	4.82646	4.6945	5.21453	5.32566	5.52397	3.19417	6.74074	4.1725	5.08631	5.8916	5.68702	4.67342
ULBP3	6.06651	6.55313	5.21903	5.9082	6.23636	6.52201	5.47996	6.07842	4.98761	5.9972	6.07883	6.44179	4.46058	5.5943	6.21169	6.02029
ULK1	6.13342	5.56364	6.44309	6.53163	7.00671	6.06644	6.35231	5.96298	5.57542	6.14088	4.99175	6.5773	6.18882	7.21675	6.24927	5.09318
ULK2	4.89182	4.7474	4.70767	4.82965	5.53799	5.44046	5.11031	4.73921	4.58644	5.69738	5.01347	4.94282	4.34259	5.21788	5.75528	4.21937
ULK3	7.25023	7.65979	8.09031	7.25884	7.24537	7.95757	7.9976	7.88964	7.49062	8.07647	7.46235	7.64368	7.84504	7.26435	7.40969	7.66255
ULK4	4.38106	2.98152	3.50377	3.18863	3.15711	3.48664	2.43717	2.83106	3.29594	2.52877	3.94319	4.2746	3.9561	2.61126	3.5826	3.22013
UMOD	2.34348	2.07729	2.55526	1.80217	3.70286	1.73976	3.32901	3.34245	3.58282	2.97414	1.87674	2.46803	2.23314	3.0362	3.43307	2.34348
UMODL1	4.87494	2.61396	3.08807	3.17801	6.27134	4.48115	5.71924	3.27157	2.88086	2.12186	3.41787	5.32479	6.92666	6.02828	5.8045	2.61375
UMPS	5.85483	5.85235	5.59883	5.52883	6.87082	6.46341	6.6608	6.65377	6.14728	5.55398	6.3411	6.6849	6.85663	6.28229	6.70274	6.59734
UNC119	4.6416	7.31201	4.03231	6.50907	6.78863	7.63234	7.80556	4.25669	6.01437	5.9856	4.98132	7.25283	7.58806	8.02507	6.85132	6.8481
UNC119B	7.74678	6.24458	6.18324	7.04386	6.11917	7.10353	5.97338	5.1928	6.37919	5.74889	6.72362	6.25249	5.93748	6.61056	6.6849	5.74427
UNC13A	3.46695	4.59755	4.65694	4.41614	4.63799	3.56769	4.90904	4.66602	4.76131	4.49101	4.3009	4.67154	3.86261	4.69384	4.05284	4.10879
UNC13B	8.47869	8.08164	7.46327	7.81851	8.4703	7.26124	8.51015	7.35613	7.30479	8.91149	7.27438	7.42114	6.86207	8.40983	7.21384	7.83761
UNC13C	2.76695	3.32935	2.76999	3.35515	2.40862	3.30112	2.25724	2.74373	3.81207	2.52439	2.67382	2.98704	3.4274	2.76133	2.91928	4.63841
UNC13D	4.53056	3.98066	4.05898	3.75611	3.26974	3.48453	4.10658	4.12557	4.63208	3.87392	3.91906	3.62682	3.84644	3.76747	3.47059	3.93408
UNC45A	8.38943	8.43605	8.81664	8.31415	7.91464	8.81753	9.17582	8.49182	8.71228	8.5267	8.24674	8.22616	7.9021	8.69522	8.11037	8.27937
UNC45B	5.00441	5.62022	5.67655	5.86339	5.82175	5.40929	6.41398	6.44616	6.14347	5.75797	5.73322	5.54274	6.53078	6.07813	4.51056	6.22394
UNC50	9.57819	9.58085	10.3013	10.2283	10.3871	10.2011	9.52486	9.7968	9.54867	9.77946	9.71435	10.0518	9.5671	9.89582	10.4412	9.97929

UNC5A	4.24885	4.47767	5.0097	3.60881	4.11091	5.42389	4.52387	4.42805	4.38066	4.56703	4.64607	6.63175	4.28169	4.72596	4.50317	6.13852
UNC5B	7.21574	6.12974	7.14485	6.82903	6.75488	7.65632	7.11329	6.88319	5.94608	6.53547	7.11075	7.81607	6.83902	7.11036	6.82452	6.14478
UNC5B-/	4.18547	5.88552	2.3147	4.26515	3.12473	3.01096	3.55696	3.17146	2.47145	3.09196	2.75175	3.16915	4.09292	2.57571	3.24403	2.9809
UNC5C	3.70654	4.43455	3.82085	3.67007	3.79701	3.92468	4.06856	3.83274	3.8488	3.65854	3.82524	4.1135	3.93967	3.65227	4.18392	3.98812
UNC5CL	6.02057	6.56402	6.28459	6.52709	5.38965	5.50242	6.27821	6.07103	4.90488	4.62434	6.09708	6.6117	4.93756	6.44624	6.11134	6.05897
UNC5D	5.03158	4.89464	5.60777	5.70679	5.4497	5.49698	4.25853	5.42199	5.96981	5.04609	5.94995	4.21622	4.4772	4.42968	2.67357	4.7519
UNC79	3.41112	2.31976	2.44429	2.184	3.30882	2.93381	3.45602	3.31083	2.18568	2.38782	3.111	6.745	3.61424	3.07586	3.51602	2.31622
UNC80	3.95155	2.66443	2.39801	2.76844	3.04581	2.98217	2.82657	4.04247	3.18302	4.00676	2.94759	2.26326	3.29411	3.00675	4.05033	2.39581
UNC93A	4.06947	3.44676	4.13607	4.63031	3.00359	4.02372	4.11284	3.38764	3.34091	3.52204	3.29806	4.50409	3.48604	6.2458	3.31445	5.31895
UNC93B	3.07618	2.60961	2.52957	2.51392	2.59761	2.41053	2.18059	2.59488	2.33582	2.25906	2.79365	2.45459	3.31025	3.13884	2.17829	2.6297
UNG	8.32958	8.46942	8.29871	7.88943	8.99622	8.434	8.35571	8.89125	8.901	8.64938	8.87558	8.93342	8.38151	9.12067	9.0037	8.86638
UNK	7.79231	7.46257	7.71422	7.0472	7.48683	8.14909	7.80406	7.7963	8.03524	7.34905	7.49883	8.28122	6.68077	7.33842	7.26312	6.74074
UNKL	5.84854	5.67573	5.86679	5.70907	6.12053	5.97927	5.66921	5.55803	6.0385	6.34587	5.79198	6.36248	6.11372	6.13713	5.71111	6.45822
UPB1	4.64412	4.59647	4.92049	4.73297	4.97776	4.90301	5.34336	5.35896	4.90633	4.17633	4.72028	5.03262	5.17323	4.79885	5.09234	4.76177
UPF1	7.8312	7.38474	6.06196	6.45189	6.25598	5.85398	5.14578	5.69143	6.99097	5.85334	6.87115	6.57417	6.43593	6.25692	5.92895	6.176
UPF2	7.34542	6.92639	7.5216	7.4726	7.61626	7.47398	8.11615	7.10804	7.04587	7.38356	7.36932	7.31858	7.52939	7.30811	7.75627	7.90962
UPF3A	7.57023	7.37019	7.6702	8.02106	7.85105	7.58424	7.65498	7.78725	7.12268	7.54789	7.64471	7.12112	7.30355	7.79974	7.68776	7.60892
UPF3B	5.6494	6.47187	6.41911	6.36554	7.01184	6.03605	6.58226	7.2508	6.5162	5.95076	5.96676	6.42834	6.75251	6.07244	6.24458	5.81346
UPK1A	4.78107	4.55111	3.53502	3.17801	1.80599	3.33634	3.99724	4.51886	4.7581	4.96614	3.5826	4.27983	5.08514	5.45508	5.1764	3.1481
UPK1B	11.2015	11.0928	9.10997	9.16853	8.25283	7.47747	6.99884	7.90795	7.66787	7.7485	8.37711	7.83761	6.24286	7.49794	7.19165	7.92842
UPK2	5.9804	5.95042	5.77447	5.97245	5.71377	5.60571	6.0882	6.10464	5.73556	6.43304	4.69677	5.78361	5.89672	5.9868	5.53021	6.43414
UPK3A	3.36587	3.20291	3.99043	3.988	3.38334	4.08037	3.44209	4.32501	3.50839	4.06894	3.80883	5.38936	3.47767	3.70919	3.59615	3.7297
UPK3B	5.73466	5.32348	4.63216	4.56179	5.68755	6.27789	6.75886	5.77447	6.63311	4.14078	5.49848	5.07937	6.10432	5.71111	4.57172	6.09082
UPP1	6.11935	7.4021	7.0853	6.68534	7.37649	6.82022	6.97076	5.92857	6.12451	4.41983	9.64364	7.82907	7.66787	7.53031	6.89132	8.03931
UPP2	4.4879	5.56557	5.02813	4.60659	4.55237	4.31815	4.42755	4.8875	4.37953	4.63675	4.31399	4.27723	4.78762	4.35008	5.0631	4.792
UPRT	7.93509	7.38087	8.15497	7.52685	7.42188	8.00143	6.38687	6.55951	6.82285	8.13158	7.68174	6.58393	7.68857	6.44417	6.68626	7.32145
UQCC1	4.9847	4.43516	4.17769	4.51121	6.02997	5.26645	5.46829	5.18643	4.86595	5.57884	4.87854	4.72271	5.29829	5.92068	5.30533	4.72194
UQCC2	4.92233	3.6935	2.61382	2.69863	4.9314	4.44653	2.39011	5.1344	3.58282	3.37812	2.66551	1.59868	4.46058	3.82047	5.34383	3.58879
UQCR10	9.00325	9.56083	8.67767	9.28935	8.37443	9.07714	9.30247	8.37443	8.84687	8.45605	8.74446	8.63198	9.81371	9.03434	9.03003	9.16853
UQCR11	9.87278	10.1711	9.92829	9.79359	9.50261	9.92829	9.71435	9.9547	9.49286	9.97015	9.4367	10.2084	9.94182	10.0919	9.62162	9.92829
UQCRB	8.34076	8.7032	8.62685	9.34402	8.63335	8.87358	9.80678	9.11537	8.88035	8.61815	8.28261	7.75071	9.07607	9.26222	9.17299	8.9171
UQCRC1	9.20378	9.39209	9.00248	9.36057	9.76219	10.269	9.14447	9.46135	9.84942	9.98188	9.72748	10.0844	9.49953	10.0365	9.19557	9.70306
UQCRC2	8.19961	8.63124	8.49676	8.59839	8.66913	8.40382	8.38568	8.43314	8.5483	8.80992	8.44095	7.99006	8.67767	8.96445	8.71707	8.56598
UQCRFS	9.89146	10.3833	9.7543	10.3563	10.9531	10.4318	10.494	10.5313	10.7518	10.0285	10.7421	9.66727	10.99	10.3563	10.4743	10.9636
UQCRQ	10.5021	11.1434	10.5753	10.5619	9.50452	10.6854	11.4919	10.6351	10.9531	10.7467	10.5826	11.2633	11.565	10.4068	9.93918	10.7596

URB1	6.11535	6.25208	5.91563	6.19667	6.2787	5.90179	6.25707	6.5839	5.76382	6.66387	6.57028	7.01338	6.59123	6.78863	6.54188	6.59764
URB2	7.69819	7.65647	7.80837	7.42152	7.98905	7.66157	7.58379	7.49996	7.90651	7.44956	8.28774	7.5404	7.72534	7.81384	8.33649	8.41228
URGCP	6.24681	5.00797	4.17188	6.05903	6.52979	7.17743	7.45844	6.11761	6.81474	6.5579	5.84093	5.88006	4.534	6.65352	5.95874	7.73968
URI1	6.01673	6.07302	5.80824	5.52597	6.81431	5.76339	5.28258	5.82306	5.73055	5.98416	6.3343	5.55932	6.17911	6.47253	6.11433	6.50348
URM1	6.77786	6.86138	6.07956	5.83509	6.25491	6.83067	6.87678	6.85564	6.94813	6.77897	6.67217	6.9961	6.70956	5.76624	6.68938	6.73129
UROC1	3.52524	3.96497	5.66916	2.72117	2.83544	3.20546	2.78886	2.81438	2.76258	2.57765	3.40575	2.8813	3.71375	3.12884	3.08134	3.83921
UROD	7.32884	7.75239	8.28729	8.16518	7.69659	7.92598	7.5095	8.15803	8.19104	8.19149	7.91273	8.65638	7.89962	7.99984	7.66417	7.53547
UROS	6.91774	6.76123	5.94097	6.35878	6.74157	6.7914	6.22315	6.92674	6.85678	6.77343	6.8423	6.70889	6.73338	7.04899	6.71502	7.01816
USB1	6.38087	6.68292	6.89788	7.06373	6.50119	7.03429	6.64424	5.69792	6.02692	6.55263	6.76219	6.62353	7.13623	7.80162	6.63473	7.12545
USE1	6.71524	6.87563	6.44513	7.56421	6.85524	6.41532	7.39378	4.82291	4.47194	5.20129	5.37412	8.04178	6.60878	7.21066	5.44093	7.23499
USF1	3.47335	3.72982	2.17949	3.49407	3.48434	4.01812	3.85658	5.42199	3.86642	3.39891	3.55809	3.19844	3.32016	3.14828	3.51602	3.73803
USF2	7.08411	7.41697	6.67664	6.91674	6.76291	6.44586	6.37168	6.19338	7.26885	7.05272	6.83168	7.24927	7.37885	6.60878	6.76637	7.28046
USH1C	5.33582	3.87456	3.73746	4.68985	3.59749	3.74247	4.28111	4.4838	3.85641	4.02826	3.65461	4.79101	3.87671	3.68942	4.37824	4.33587
USH1G	3.94748	4.86383	5.27758	6.54516	6.78049	5.23948	5.08115	6.40916	6.15629	6.47575	6.73466	6.67249	7.12832	7.02605	6.41398	5.59355
USH2A	0.9979	1.01454	-0.0746	0.17325	1.20215	0.41936	2.23396	1.73724	1.45473	1.74155	0.41243	0.22408	1.89786	-0.133	1.97136	0.61335
USHBP1	6.30132	5.47836	6.1103	6.04278	5.92656	4.98736	3.16512	5.55155	5.49837	5.72202	5.5763	5.68623	4.2792	3.87671	4.6991	6.29463
USMG5	11.4504	11.8254	11.8493	11.768	11.3355	11.8866	11.6449	12.2011	11.7562	10.7696	11.602	11.7897	11.9498	11.8738	11.8493	11.8
USO1	6.56163	6.36727	7.10271	6.6643	6.23037	6.22582	6.16296	6.4034	6.95897	6.69306	6.62571	5.40071	6.79309	6.6076	6.74045	6.599
USP1	6.80929	7.24146	7.05016	6.79073	6.70956	6.28211	7.75974	5.85581	7.17711	6.06726	6.99855	7.49002	7.81534	5.72259	7.61008	7.28361
USP10	6.82339	6.58617	6.93537	5.96143	6.40266	6.04073	6.04212	4.72092	6.2736	6.57951	6.44702	6.45276	6.82648	6.52517	6.52645	6.85882
USP11	7.33495	7.39005	7.32841	7.19321	7.1664	8.03276	6.8278	7.059	8.08899	7.59528	7.21975	7.56618	6.60635	7.0572	7.37897	6.73081
USP12	6.12611	5.50605	6.30176	6.46055	6.07538	6.09165	5.92232	5.76497	5.78564	6.36267	6.25921	4.9847	5.61473	5.98103	5.6595	6.25692
USP13	7.32914	7.17129	6.93418	7.10804	6.59123	6.8113	7.5808	6.40021	7.21275	6.80517	7.22279	7.42256	6.51208	6.89099	7.08637	7.6195
USP14	8.45101	8.98978	8.71319	8.52475	8.94345	8.90271	9.64667	9.14959	9.20992	8.65511	8.86796	8.33155	9.09601	9.45311	8.75966	9.02815
USP16	7.98356	8.31557	8.64714	9.10997	8.13742	7.94114	8.79858	7.86922	8.41394	8.36016	7.48544	6.87418	8.59839	7.38227	8.12782	8.0775
USP18	6.61138	6.81431	7.55185	6.57501	8.59168	6.55623	8.79141	8.68206	7.39264	4.85072	7.20465	7.73179	8.09264	8.85032	8.01042	8.26876
USP19	7.59878	7.36526	7.71496	7.3259	7.17667	7.43547	6.94902	7.42469	7.5342	7.51249	7.29311	7.68328	6.90514	7.14971	6.85041	7.61077
USP2	4.648	4.26628	3.38638	4.15981	3.42972	3.52587	3.48084	2.68987	3.41518	4.33174	4.43996	3.42322	3.33424	3.71194	3.27215	3.90229
USP2-AS	6.85564	5.56605	6.16926	6.17732	6.27273	5.86266	6.28124	6.78362	5.97794	6.67897	5.78878	5.61969	6.09492	5.99187	6.36226	5.8336
USP20	7.13947	7.48544	7.33394	6.75167	7.15808	7.23832	6.26996	5.95794	7.30694	7.23966	7.02223	7.1267	6.90589	7.09976	6.18347	7.02799
USP21	6.35633	5.74785	5.73664	6.26477	6.88372	6.52544	5.63775	6.26587	6.22437	6.05873	6.24386	6.36004	6.48947	6.61479	6.72579	6.80682
USP22	6.48318	6.27307	6.51724	5.9363	6.04438	6.08811	5.8832	5.69164	5.79284	6.35103	5.96305	6.78294	5.26485	6.4551	6.27938	6.38151
USP24	6.8205	7.27478	7.41022	7.33445	7.26649	7.03686	6.80762	7.33012	6.98908	7.30272	7.26072	7.07841	6.22582	6.71426	7.22488	6.76245
USP25	6.11977	6.32734	6.87678	6.13977	5.80545	6.81089	6.41469	7.18175	5.98336	6.75906	6.5278	6.08093	6.2787	6.21912	6.40072	6.66605
USP26	3.22144	2.81246	2.88071	2.88071	5.40872	4.10435	3.14316	2.81438	3.59405	3.37812	5.45177	3.04581	3.07124	4.68646	2.50999	2.90822

USP27X	5.57791	5.80567	5.50467	6.20708	5.14215	6.66387	6.11841	5.97145	5.46952	5.63327	5.77438	5.78724	5.46335	4.7932	5.15599	5.32281
USP27X-	6.20362	5.71334	6.2675	5.40961	6.10593	5.69329	6.51608	5.96298	5.76872	6.15963	6.06505	6.20404	5.12757	6.05846	6.24391	5.95267
USP28	6.76605	5.3795	5.08944	4.88734	7.5063	5.57155	5.76889	6.56229	6.3114	5.25098	5.57874	5.79986	5.47786	5.61508	6.49655	5.58238
USP29	3.64066	2.18884	1.68451	1.444	1.3442	2.42212	2.45415	3.45352	1.81152	2.77263	3.13394	2.29689	2.13674	1.84505	1.61881	2.36473
USP3	8.81753	9.08007	9.0105	8.97416	8.93549	8.84421	9.25316	8.84609	8.66724	8.9415	8.52405	8.68521	8.21397	8.88182	8.64938	9.22173
USP3-AS	3.98673	5.08775	4.73799	2.55745	4.33348	4.79243	5.23969	5.27601	2.35886	2.5437	4.1725	2.15748	4.49101	4.82245	2.34348	1.98412
USP30	7.04836	6.37253	6.17248	6.03898	6.93646	7.19405	7.31041	5.79263	6.98246	6.79723	6.60794	6.40446	6.1982	7.2112	6.32509	6.02361
USP30-A	6.69137	6.22403	4.38727	4.29377	6.06373	5.49311	3.76501	6.72473	6.50219	6.63446	6.89723	5.79382	6.785	6.19649	6.01209	7.13758
USP31	6.27962	6.2504	6.34393	6.01633	6.75056	6.9514	6.70305	5.9868	6.2512	6.08615	6.16004	6.23233	6.83636	7.14716	6.9358	6.16548
USP32	6.90842	7.08016	7.20891	6.76752	7.78783	7.56947	7.70144	7.52098	7.68215	7.39781	7.35627	7.13071	6.06384	7.03111	7.48831	6.22295
USP32P2	8.01894	7.7108	8.34166	7.99984	9.54799	8.53743	8.13389	7.45503	7.83449	8.77677	8.35767	6.62436	8.20394	7.97095	9.25053	7.87161
USP33	7.13865	5.64797	6.52664	7.48041	6.123	7.30834	7.51329	6.79262	7.0773	6.10744	6.80517	7.48493	7.61764	5.91026	6.17068	6.69536
USP34	6.40841	5.7594	6.07804	5.78799	5.52616	6.64159	6.58737	5.65363	5.77492	5.78724	6.14906	5.39815	5.45206	5.68275	5.85146	6.03112
USP35	6.2478	6.77908	7.12714	6.92086	6.59027	7.07251	6.59933	6.68032	7.10717	6.58018	6.77274	7.19639	6.67065	6.9573	6.44205	6.54445
USP36	5.93839	5.85303	5.97118	5.91445	6.10669	5.91215	6.5982	6.30023	6.14149	6.37144	5.76261	6.66049	5.84528	5.94675	6.10571	6.21237
USP37	5.73146	5.92983	5.956	5.29959	6.2478	6.03131	5.82698	4.81941	6.73309	5.94445	5.9177	4.29638	5.88006	6.11372	6.39231	5.9177
USP38	6.63258	7.03856	6.94494	5.89038	7.24953	6.48805	6.22079	6.94927	6.40695	6.70344	7.09339	6.43544	6.60701	6.15413	7.23955	6.97815
USP39	6.48424	7.04849	5.31006	5.55949	7.21035	6.22214	7.61746	5.55549	6.5377	7.00783	7.19309	4.16718	7.12136	6.75623	6.57541	7.27163
USP4	8.49143	8.27429	8.4383	8.25692	7.82179	8.09739	8.52275	8.54398	8.37525	8.47096	8.06218	7.89038	7.83406	7.86658	8.10456	8.63551
USP40	6.57567	5.77186	5.6613	5.9294	5.97591	6.75718	6.2845	5.84031	6.5965	6.2553	5.91215	6.53395	6.75072	6.78466	6.50329	6.75031
USP42	5.60986	4.96847	5.35063	5.41209	5.06897	5.52908	6.36201	5.30496	5.67859	5.38784	5.30469	5.37172	5.62032	5.14209	5.54505	5.6657
USP43	7.07014	6.59447	6.96882	6.55586	6.94323	7.50686	6.41838	7.68272	7.35032	5.43291	7.37469	6.71924	6.95773	7.87977	6.8277	6.98234
USP44	5.4792	5.57693	5.43134	5.4066	5.53895	5.75891	5.91096	5.94393	6.10182	6.13804	6.05061	6.12918	5.90526	5.73039	5.42382	5.81289
USP45	6.27623	6.30604	6.13608	6.30738	7.12611	6.06808	6.65595	6.19859	5.83166	6.38241	5.88528	6.2399	7.11147	6.28525	6.66134	6.8921
USP46	6.26672	6.74515	6.10744	5.90202	6.77216	6.39352	6.62078	5.81346	6.30069	6.02327	6.59123	5.70189	6.19359	5.84579	7.03075	6.52099
USP46-A	5.56456	5.76009	5.32994	5.95153	4.99272	5.83323	4.99931	6.27958	5.70661	5.73855	4.62208	5.44722	5.95444	5.39607	5.90124	5.48056
USP47	7.39338	6.70755	6.9116	7.06771	7.53155	7.39005	7.77571	6.84972	7.96835	7.63603	6.4737	6.10197	6.40719	7.08897	7.38917	6.39685
USP48	6.9671	7.39879	7.55386	7.25372	7.10725	7.19982	7.48581	7.93861	7.24262	7.24986	7.26021	7.24292	6.99346	6.73005	7.0905	6.95994
USP49	5.46851	5.29579	5.25519	4.92582	5.21059	5.19221	5.10138	4.66095	4.25266	4.82888	5.32922	5.13607	5.19399	4.88015	5.07153	4.91834
USP5	4.0196	4.11531	4.3596	3.95382	3.71929	4.57551	3.25433	3.25357	4.16584	3.98113	3.6751	3.4402	3.55868	4.1099	4.31059	4.07003
USP51	5.49607	3.79931	3.70267	5.80782	4.22224	5.01414	4.8731	4.8404	6.2401	5.83799	3.24928	3.39363	4.57737	5.48559	3.89481	4.33695
USP53	6.10144	5.50884	5.70701	5.26512	5.93577	5.28981	5.33026	4.88962	4.68891	6.31836	5.54156	4.96394	5.8345	5.31968	5.67998	5.43505
USP54	8.30627	7.67439	7.17376	7.40328	7.83864	8.57988	8.19276	8.13058	7.95951	8.07912	6.10768	7.8368	6.785	7.56597	8.38746	7.37425
USP7	8.44024	8.5017	8.12509	8.35903	7.68874	8.23555	8.69522	7.8583	8.44632	8.14952	7.06232	8.01606	7.88093	8.11563	8.08079	8.00923
USP8	7.12352	6.52147	6.71775	7.39494	7.59935	7.00878	6.49439	6.63529	7.2075	6.65704	6.86793	6.6076	7.30834	6.62977	7.31625	7.58461

USP9X	9.06823	8.59487	9.01766	8.60184	8.57946	9.22763	8.8333	8.73982	9.09246	8.73206	8.49676	8.31608	8.34712	8.49992	8.97832	8.39024
USP9Y	5.36964	5.35512	5.40317	3.14882	7.18347	6.14411	4.76901	3.75383	4.62832	5.11108	4.21488	4.18642	3.12086	5.69321	7.38851	5.5278
USPL1	4.71918	5.44417	6.02997	4.75754	4.97087	5.4025	5.22008	5.12651	6.13753	6.34863	6.51946	5.73534	5.00304	5.08852	5.28638	5.27801
UST	6.16004	6.00325	5.91276	5.9177	6.11665	6.27038	5.62901	4.73212	5.56103	5.90267	5.29383	6.32189	5.89223	5.74585	6.29785	6.49308
UTF1	5.82023	6.50148	6.41846	5.71961	5.91335	6.0894	6.2519	6.43834	5.14845	5.66263	6.23163	5.95435	5.43532	6.26612	5.02595	6.22861
UTP11L	4.78582	6.06074	5.85803	6.07473	5.85641	5.92045	4.43432	6.03131	5.19754	5.81346	6.60899	5.54715	6.42707	5.01078	5.89719	5.38391
UTP14A	4.59755	5.49848	5.08546	4.94752	5.09271	4.72556	5.80973	5.98072	5.09201	5.37062	6.01167	4.48551	4.92341	5.15926	5.82465	5.53149
UTP15	4.9186	5.05573	5.60661	4.85449	6.60329	6.16413	6.74515	6.83226	6.2358	6.0322	6.22059	5.77414	6.69321	6.26293	5.57918	6.21818
UTP18	6.80329	6.77343	6.61966	7.10969	7.57707	7.02115	7.34693	7.08431	7.07585	6.03781	7.42441	6.5764	7.25283	6.86735	6.99387	7.24511
UTP20	7.10583	6.7905	7.21396	7.04229	6.97771	6.44967	7.04806	6.80876	6.98422	7.42232	6.7229	7.17933	7.44956	7.23854	6.7287	7.17966
UTP23	5.76136	5.56628	5.84212	6.35794	5.09784	5.86149	4.71174	4.96694	6.05504	5.11379	5.31564	5.82793	6.16376	5.84031	5.30906	5.86875
UTP3	6.71221	6.3999	7.4744	7.68272	7.36545	7.13546	5.39676	4.44194	5.782	4.41983	6.55362	7.46579	6.67853	6.11748	6.13042	3.37025
UTP6	3.63165	3.69634	4.18777	3.53071	4.19411	4.21365	3.62493	4.56594	3.94907	3.76474	4.60738	4.01168	4.03485	3.9568	3.88851	3.60453
UTRN	7.04899	7.53761	7.17711	6.61915	7.03819	7.54789	6.50434	6.70844	7.11075	7.3304	6.96309	6.55085	7.09315	6.58645	6.67771	6.70274
UTS2	5.1657	6.83067	6.55858	6.75295	5.10935	5.70136	4.35897	7.32176	6.83848	3.19332	6.5596	5.32566	4.382	5.47752	6.73765	6.71871
UTS2B	4.84143	3.59749	4.40279	4.44124	3.94739	3.6256	3.85658	2.17246	4.72987	4.23056	4.77807	2.84585	5.1616	4.84817	4.36887	4.18842
UTS2R	5.80361	5.58778	6.35513	4.43678	6.49089	5.85664	4.79774	4.7289	6.02244	4.44111	5.95773	5.66502	5.3226	6.2896	6.25491	5.39922
UTY	5.11956	5.50389	5.23842	4.1683	5.5785	5.56043	5.07841	5.07178	5.70246	4.48624	4.75221	4.39917	3.58197	5.15109	6.07712	6.07517
UVRAG	6.99984	7.82655	7.97893	7.80888	8.05395	7.77279	8.18266	7.77899	8.59839	7.76286	7.49983	8.5974	7.96472	7.72534	6.96135	7.34315
UVSSA	5.83723	5.62722	5.64462	5.97073	6.10124	5.77804	5.68203	6.15738	6.05111	5.70084	6.54916	5.95874	5.41662	6.04759	5.78337	5.77781
UXS1	8.03012	8.37595	8.49271	8.30721	10.058	9.52327	9.29168	8.98902	8.84609	8.434	8.13492	8.98902	8.60131	9.19651	9.68695	9.28266
UXT	10.2886	11.0154	9.7224	11.174	9.48206	11.0355	10.8255	9.92959	10.1581	10.0218	10.1711	11.2398	11.1818	10.5482	9.99653	10.3399
VAC14	4.9537	4.8731	4.55059	4.44253	4.68387	4.64174	4.78876	4.52549	4.73321	4.369	4.8415	4.48624	4.49537	4.32569	4.2251	4.55379
VAC14-A	5.60724	5.58299	5.90303	6.44172	5.82427	5.86266	6.64337	6.23123	5.29621	5.49998	5.33643	5.32102	5.45858	5.7076	5.52702	5.93331
VAMP1	4.94638	5.61594	5.40857	6.30673	5.97187	6.57044	4.95945	6.19774	6.00366	6.16058	5.61494	6.42252	5.32082	4.89326	4.85711	6.02566
VAMP2	6.22827	6.64348	6.07787	7.14383	6.46075	7.04836	6.94927	7.44685	7.26403	6.42803	6.75866	6.92227	6.35963	6.86932	6.58362	6.58582
VAMP3	6.67625	7.61518	6.7568	6.62914	7.37763	6.90705	7.5649	7.70063	6.59548	7.12375	8.15443	6.69674	7.69659	7.2897	7.74898	7.58117
VAMP4	7.04994	8.05925	8.1136	7.71385	8.04247	8.14058	8.2033	8.06128	8.07849	8.1427	8.25123	8.04476	8.11303	7.61366	8.26942	8.00083
VAMP5	5.01734	6.11334	6.08039	6.12725	5.02733	5.93989	5.00109	5.24175	5.99847	5.01758	7.24927	6.2383	5.97882	5.1717	5.48864	5.63936
VAMP7	8.70926	9.82345	9.4206	9.29168	9.05078	9.74747	9.12823	9.25104	8.65511	8.92258	9.00781	8.62243	9.18179	9.26363	9.42357	9.08092
VAMP8	10.5181	11.0355	10.1423	10.6816	9.63071	10.4883	8.76117	9.54001	10.7652	10.6932	10.3191	10.46	9.60515	9.05078	9.23508	10.6351
VANGL1	7.5216	6.73987	6.93843	6.82071	6.29956	7.27718	7.68808	6.32101	6.2982	6.59372	6.48056	7.00737	6.26266	6.78049	6.72122	6.67139
VANGL2	7.16675	7.65828	7.51567	6.81741	8.39821	8.0605	7.59021	7.92217	7.47372	7.03226	6.6512	7.5023	7.86466	8.30659	8.24659	8.31608
VAPA	6.50752	5.88995	6.11953	6.57417	6.87988	6.91191	7.78582	6.56859	6.93357	6.49559	6.38642	5.1755	6.58914	6.79335	7.05497	6.36294
VAPB	7.15273	6.94344	6.93502	7.29519	7.4292	7.31596	7.64471	6.99972	7.04241	7.76731	6.80405	6.40041	7.67813	7.71102	7.58784	6.8232

VARS	5.62788	5.76985	5.22091	5.61405	5.33026	5.56699	6.06615	5.77011	4.77762	5.54732	6.11992	5.59162	4.9742	6.50491	5.09175	5.5845
VARS2	8.17338	7.71686	7.3695	7.56081	7.75375	7.44971	8.11382	8.3093	8.17995	7.71853	8.36324	8.92819	7.69174	8.26814	7.81974	7.11288
VASH1	4.53909	4.83644	5.48108	4.49015	4.62587	4.72387	4.37001	4.4487	5.16701	4.26599	4.90793	5.0511	5.08353	5.17309	4.46146	5.24569
VASH2	5.03887	5.17709	6.90878	6.07517	6.80357	6.07687	6.6695	6.41345	6.18358	6.04891	5.3453	6.70872	6.89231	6.53353	7.13648	6.94612
VASN	6.87868	7.25138	7.04039	6.29632	6.53234	7.08687	6.14478	6.80725	7.07159	7.02816	6.77193	6.77008	6.38344	6.71149	6.77387	6.73581
VASP	4.69843	6.1607	4.82733	6.07026	5.29588	5.54883	5.46222	5.37804	6.01713	5.10215	7.26761	5.43811	5.78301	5.09791	6.04278	5.43914
VAT1	8.54726	8.7206	8.85546	8.87358	8.38038	9.25316	8.79229	8.91549	9.06728	9.07417	9.12731	8.95215	8.43478	7.93138	8.54592	8.12801
VAT1L	2.94778	3.19069	3.33383	4.31831	3.46884	3.5373	3.35187	2.8638	3.46459	3.50939	2.38828	4.83675	3.36189	4.11853	5.06869	2.4155
VAV1	6.88092	8.07471	7.62696	8.07404	7.59004	7.43497	6.75189	7.17317	7.9156	5.77406	9.01581	8.56201	5.86066	4.92151	6.53405	7.29896
VAV2	5.89763	6.19068	6.25466	6.02894	5.89265	5.77478	5.98632	5.97293	5.37249	5.84922	5.39366	6.14046	5.05384	6.88974	4.70238	6.15519
VAV3	5.67434	6.29119	5.9118	5.56117	6.50632	5.29383	6.8874	5.1023	6.31925	5.92644	6.26018	6.93931	6.42054	4.39999	6.41038	6.80843
VAX2	6.23393	5.7174	5.79697	5.67756	5.80173	6.38241	6.36119	6.57582	6.55232	6.60293	6.5187	6.02539	6.34146	6.34313	6.63674	6.09746
VBP1	8.69522	9.40387	8.94422	9.32763	10.1365	8.9396	9.68133	9.7449	9.56952	9.25156	9.78666	8.03012	10.2039	9.18833	9.82232	9.73676
VCAM1	9.93225	10.9279	10.817	10.1542	11.4345	10.8808	11.5206	11.9018	11.2154	8.10173	9.82086	10.5665	11.4758	11.9804	10.2145	10.7467
VCAN	5.78337	4.68137	6.98246	5.69427	7.06858	7.64917	5.49487	6.92116	5.31887	7.08255	7.19095	6.30364	5.70391	6.59734	7.34333	6.76094
VCL	7.15229	7.86869	7.91964	6.22045	7.79766	8.06529	6.8185	8.184	7.0572	8.49885	7.70099	7.45051	7.88588	7.76876	8.24318	7.80919
VCP	8.58931	8.71927	8.82218	8.79808	9.37478	7.90171	8.5739	8.28309	8.41589	8.87558	8.78506	8.96525	7.71275	8.68947	8.42037	8.89896
VCPIP1	5.7063	5.79242	6.0936	5.57026	6.27038	6.26907	6.51291	5.72213	6.26444	5.56983	6.34393	5.50593	5.81948	6.00457	6.28503	5.87687
VCPKMT	6.3443	6.11453	6.66184	6.27798	6.63674	6.71827	4.89066	6.53547	6.29463	6.56901	6.68871	5.54156	4.99475	4.35054	5.30496	5.64923
VCX2	4.48131	4.22883	5.09798	3.94794	3.43618	3.12572	4.27128	3.28662	4.49101	4.05284	4.03198	3.558	4.0743	4.32178	3.42499	3.61521
VDAC1	6.56339	6.2673	6.59516	5.96559	6.78662	5.90047	5.53655	6.52099	6.39428	6.74365	6.6672	6.67336	6.10535	6.96017	6.79489	6.26834
VDAC2	9.72915	9.88284	9.87831	10.032	9.97929	10.3468	10.0123	10.3249	9.84759	10.0919	10.0868	9.78521	10.5181	11.3246	10.8054	10.1153
VDAC3	7.17104	7.20816	7.30165	7.89962	7.5342	7.66756	6.86171	7.14896	7.62734	7.20076	7.5023	7.25884	7.58869	8.17578	7.81359	7.5305
VDR	5.60235	6.19975	6.65971	6.59252	6.20756	6.59422	6.78945	6.73338	6.63097	6.25012	6.41723	7.29852	6.96211	6.58127	6.85206	6.07244
VEGFA	6.13951	5.58532	5.6878	5.41821	6.69561	6.27004	7.01444	5.82316	5.87165	5.42632	6.01991	5.63311	6.37737	7.2883	5.94043	5.24084
VEGFB	5.13682	4.96661	6.10547	6.48555	6.5687	6.15139	6.31242	4.9984	5.98862	5.56444	6.27858	6.40159	6.14124	6.97745	5.44505	3.9365
VEGFC	7.09007	6.57182	7.79044	6.6732	6.90963	7.50513	6.4066	7.36484	7.0852	6.26737	8.19393	7.07893	6.18996	6.47317	7.35339	6.31186
VENTX	4.11983	2.51658	3.73945	3.74939	3.75099	3.6256	3.57168	3.31083	2.07939	4.00197	5.21642	3.15604	3.73495	3.71992	3.21508	4.39898
VENTXP	2.71255	2.78286	2.15771	3.12984	3.04271	2.31706	3.40051	2.66092	3.85006	2.41053	2.61448	2.93574	3.58305	3.39483	2.71733	3.12933
VEPH1	2.99474	3.31009	3.12496	2.75095	3.34891	2.80388	3.06985	2.32579	2.90787	3.9523	3.08723	3.14932	3.20944	2.55972	3.33696	2.73888
VEZF1	8.39657	7.90401	8.09763	8.18097	7.71686	8.97353	8.41335	7.36428	8.25405	8.06455	7.7022	7.29669	8.08445	8.13008	8.07801	7.62671
VEZT	7.25051	6.56272	7.2218	6.96272	7.86066	7.54722	7.83583	6.67266	7.24192	6.90487	6.69435	6.76064	7.07704	7.82305	7.47582	6.42054
VGF	6.38874	6.66476	7.12474	6.92944	6.46341	6.97093	7.06635	7.21647	6.64123	7.27783	6.7359	7.34693	7.1037	6.94742	6.72775	6.78137
VGLL1	4.47767	4.4524	4.87633	4.53756	4.92411	3.63476	4.50111	3.57604	3.41818	4.53287	4.14617	3.7273	3.38255	4.74756	4.39851	4.14977
VGLL2	5.75738	6.15404	6.282	6.61987	6.32792	5.82753	6.36582	6.40916	6.02598	6.24408	6.49857	6.13095	5.98777	5.87121	6.31646	6.00448

VGLL3	6.29235	4.62733	7.26183	6.47754	6.74754	5.89679	5.57103	6.83262	6.1613	6.60229	7.01158	5.53995	3.98645	6.45939	7.45059	7.00837
VGLL4	8.07629	7.78315	7.55589	7.56995	7.7389	7.94991	7.85599	7.11823	7.20856	8.16199	7.383	7.27505	7.17667	8.11898	7.31017	7.46529
VHL	4.27998	5.31739	5.03644	6.0376	4.21622	5.45261	5.61268	6.13518	5.80344	5.94989	5.52455	5.91104	5.07619	5.31934	5.244	5.61405
VIL1	5.47147	5.75607	5.56324	5.80222	5.69224	5.49607	5.88887	5.75079	6.16926	5.27173	5.86299	6.36055	6.02877	7.09572	5.59	5.98662
VILL	8.10994	7.21883	5.27509	7.12636	5.00222	3.0658	2.96225	4.60422	3.5256	4.0807	4.24406	6.74045	3.19903	3.60186	5.18903	5.33762
VIM	6.63146	7.07893	7.91926	7.1641	7.45266	5.8578	5.17709	6.9764	7.75239	8.1843	8.11898	7.67213	7.63411	5.94701	7.4913	6.87912
VIMP	10.545	10.3679	11.768	11.0563	10.0123	10.3157	8.78035	10.46	10.4068	11.0154	10.5021	11.3913	10.1277	9.90431	9.93674	9.5648
VIP	3.75698	4.534	3.04356	2.38778	4.02718	1.63688	2.39011	2.37778	2.39727	6.04533	3.15604	2.04143	3.07124	3.14828	3.84111	2.07548
VIPAS39	5.4497	6.67121	5.20936	4.65072	5.7373	5.65342	5.51774	5.68495	5.08109	6.18076	6.31677	6.49041	4.8564	6.14133	6.54861	6.49155
VIPR1	5.7457	4.3801	5.16594	5.29627	4.10606	4.28649	4.20319	4.18478	4.57006	6.65583	4.96638	4.36401	4.77152	4.38727	3.79392	4.87251
VIPR2	3.22812	3.24078	3.24078	3.96826	3.34753	3.66697	2.17949	3.20458	3.57654	3.61408	3.3566	3.58733	3.5252	3.68057	3.10196	3.79846
VIT	6.3127	5.67663	6.20038	5.76588	6.0372	5.57693	4.76528	5.70528	5.74444	7.42914	5.60733	6.05086	6.43314	6.57908	5.96315	5.69219
VKORC1	8.184	8.14717	9.22173	9.05572	7.73123	9.14795	6.7013	7.13865	7.45472	9.7337	8.68624	10.0953	9.37612	8.42298	8.66567	8.56536
VKORC1	4.8391	5.22581	5.19619	4.92829	4.93512	5.46928	5.56679	5.28356	5.51925	4.97832	4.92736	4.79767	5.36067	5.13192	5.56719	5.45177
VLDLR	6.89301	5.53829	6.43458	6.8608	5.76793	5.85906	6.77786	5.57521	6.36841	8.11803	6.68799	5.76939	6.59223	6.2716	6.10152	6.82951
VMA21	4.85535	6.07244	4.95828	5.56771	5.31968	5.9262	5.38104	5.9345	5.43189	4.97569	5.93103	5.16886	5.324	4.91388	5.07516	5.02185
VMO1	9.49038	8.67455	7.15791	9.0751	4.91313	4.60294	4.53287	3.53272	6.74019	4.82081	6.70956	6.6672	4.8832	5.42929	3.63219	4.06784
VMP1	7.51193	4.78923	5.8705	7.15313	4.66694	8.46227	3.42552	3.31083	6.40584	3.7682	7.17269	6.94484	6.54092	4.27418	3.29289	5.95512
VN1R1	7.08864	6.29363	4.2003	5.74598	6.59632	5.69972	6.97736	6.36903	6.07804	5.94115	6.0104	5.83418	6.7229	6.01413	6.24391	6.02794
VN1R10I	2.08404	2.01809	2.79272	2.95827	2.89774	4.66192	1.63196	3.0481	1.92414	2.97414	3.13394	2.64907	1.35312	4.60832	2.81201	2.12859
VN1R2	3.28382	5.88757	4.97788	4.97617	5.64806	5.69329	5.78123	4.67765	4.67119	5.89084	3.6149	4.57959	5.61273	5.05858	4.5234	4.64753
VN1R3	5.18934	3.6935	5.43789	4.36112	5.16753	3.30682	5.06647	4.79259	3.65431	5.49998	5.12489	4.51148	4.91397	4.63956	4.09448	4.69773
VN1R4	5.7104	5.1248	5.32774	5.56651	5.95694	5.90007	6.13608	6.17833	5.24379	5.60707	5.41671	5.6703	5.96738	6.20065	5.75452	5.66046
VN1R5	3.9591	3.79628	4.13154	4.66453	4.02718	3.67619	3.85658	5.55993	5.32306	4.51316	5.8355	4.9875	4.4044	4.41888	3.91498	4.00732
VNN1	7.04276	6.72182	6.78078	6.79335	7.03205	6.24242	6.9611	6.75115	7.13978	6.50052	6.15519	5.87081	6.52564	6.39845	6.46712	6.58707
VNN2	7.38208	8.20967	7.27175	7.39238	8.51084	6.53685	6.32074	7.56326	7.99841	6.49618	7.11235	7.16916	5.45858	5.94115	6.31502	6.17056
VNN3	6.09501	5.20742	4.11419	5.58893	5.0052	4.5782	4.92034	4.49898	4.83125	4.11653	4.47054	3.72561	4.33627	3.5702	4.53792	3.33505
VOPP1	8.85546	9.47123	9.58912	9.12152	9.73529	9.49953	8.22001	9.79203	10.2856	9.00017	9.92568	9.80516	9.92829	8.92659	9.90298	9.50744
VPRBP	5.89565	5.80526	6.04147	6.20579	5.80066	5.44093	5.78871	5.22914	4.7984	5.44093	6.01907	5.73546	5.00284	5.05059	5.31876	6.4564
VPREB1	5.2904	5.56894	5.41027	5.36331	5.49029	5.2799	5.39676	6.091	4.69241	5.30184	5.50891	5.38586	3.14193	4.47605	4.90254	2.51437
VPREB3	7.21753	9.60844	7.6628	8.89159	7.14258	8.37975	6.35462	6.96755	7.86967	6.65341	6.91702	9.06668	6.69747	5.97437	7.34178	7.528
VPS11	8.41852	8.60157	8.32521	8.32902	8.13823	8.34556	8.06436	8.53692	8.12887	8.24826	8.1649	8.52405	7.87951	7.70859	7.73431	7.83428
VPS13A	5.88924	5.67968	6.22315	6.00238	6.54748	5.5705	5.90179	5.46594	6.35947	6.03191	5.56324	4.9904	5.84835	6.11965	6.43304	6.36706
VPS13A-	6.68978	7.65366	7.13233	6.79158	7.01754	7.11489	6.98197	7.27445	7.17933	6.92615	6.96375	7.3755	6.99689	7.35785	6.95659	7.19964
VPS13B	5.53443	5.75236	5.93216	6.2358	5.80477	5.99171	5.38643	5.7287	5.16681	5.65354	5.20282	5.51666	5.89251	5.42007	5.68401	5.83474

VPS13C	6.30248	6.49706	5.55115	5.41534	5.9579	5.70701	6.05478	5.35947	5.50757	5.9606	5.44143	5.64632	5.15242	5.56135	5.84791	5.56135
VPS13D	5.95187	5.81289	5.83661	5.46371	5.72307	5.85594	5.91931	5.55384	5.95087	6.46694	5.72103	4.91924	5.28791	5.66899	5.41589	5.36392
VPS16	5.65993	6.17219	5.87321	6.67771	6.70784	6.25347	6.90134	6.55858	6.22463	6.02198	6.06161	7.10271	5.92197	5.63813	6.17476	5.99679
VPS18	5.45803	5.3317	6.81474	4.96785	5.79284	6.69561	4.77905	5.72477	6.06799	5.55505	6.10848	5.86436	5.49998	5.46171	5.85076	5.57791
VPS25	9.27873	8.9287	8.29356	9.10246	8.59875	8.71998	8.11737	7.85248	8.11737	8.2233	9.2421	8.54257	9.43414	9.59677	8.27589	9.19438
VPS26A	5.6452	6.06906	7.48493	5.73335	5.88635	7.56369	5.3531	6.88076	5.73328	7.14133	6.12575	5.80066	7.61148	6.70492	6.20158	7.23779
VPS26B	7.32824	7.36722	6.53264	6.57598	6.31699	6.31597	6.88974	5.62176	7.28322	7.0876	6.90842	7.14679	6.27509	5.90353	6.27066	6.98142
VPS28	9.16397	8.89848	8.37262	8.9068	8.33807	8.42675	8.5288	6.9078	7.8922	8.49676	8.2162	9.26978	8.18506	9.29927	8.37289	8.95401
VPS29	7.95813	7.56828	7.53886	8.37894	7.44642	7.73933	7.8991	8.02241	7.81268	7.5219	7.8854	8.88693	8.44501	8.33034	7.87296	8.23984
VPS33A	5.4746	5.84395	5.63936	4.4943	6.5982	5.32537	5.73281	5.23682	6.48214	5.76633	6.89645	5.67573	5.0723	6.14099	6.29873	5.67397
VPS33B	8.0931	8.36563	8.18026	7.91065	8.75665	7.92262	8.2181	8.57525	8.5194	8.38943	8.31815	8.54112	7.50077	7.71648	8.31214	8.51199
VPS35	7.21241	6.92356	6.74597	6.91218	6.68175	6.66575	7.12946	7.38227	7.12328	6.99419	6.58498	6.33001	7.42325	6.9788	6.8519	6.94457
VPS36	7.46174	7.19424	7.15926	7.54722	7.36428	6.85595	7.34643	7.81563	6.11163	7.95514	6.75972	7.41136	6.76094	6.14382	7.53313	7.76184
VPS37A	6.52859	7.16126	7.45503	7.4767	8.07334	7.21396	8.09264	7.13227	7.04923	7.21144	7.60105	6.69111	7.6183	7.43803	7.5588	7.67745
VPS37B	7.44463	7.98209	7.09489	6.83787	6.45389	7.69369	3.76501	6.4299	7.02273	8.11563	7.68343	7.67312	7.24216	7.7049	6.75488	6.89528
VPS37C	8.89342	8.40947	8.03332	7.94437	8.48815	8.97832	9.09179	8.77753	8.20394	8.53635	8.50585	8.69038	8.15584	8.41922	7.73968	8.08079
VPS37D	6.43366	6.75699	6.34544	6.46414	5.15416	6.71912	6.44154	3.49069	6.01115	5.78834	4.94092	5.53516	6.26398	6.29144	5.2229	5.86266
VPS39	7.61351	7.34733	7.74961	7.27843	7.50047	8.04588	7.01379	6.55056	7.90905	7.6035	7.51829	8.21397	6.706	7.77339	7.3395	7.07279
VPS41	6.5958	6.58543	6.72785	6.43909	7.01847	6.9788	7.26448	6.3948	6.82532	6.24994	6.89947	5.84049	6.88181	6.69457	7.44956	6.78681
VPS45	5.53338	5.80509	5.55578	5.0671	5.64954	5.71755	4.61798	4.54821	6.03567	5.78642	5.74089	5.64679	5.97509	5.4433	5.60909	5.85594
VPS4A	8.71747	8.8333	8.41589	8.74907	8.22834	8.62563	8.57967	9.10071	8.89068	8.72304	8.59662	9.08092	8.79808	8.97416	8.50939	8.46911
VPS4B	10.3298	10.6212	10.6031	10.4989	11.088	10.7548	10.9989	10.7596	10.7696	10.3765	10.6769	9.83596	10.1542	10.2145	11.063	10.552
VPS51	10.2283	10.398	8.95401	9.93225	9.35829	9.85721	10.7421	9.15028	9.70398	10.6854	9.23319	10.8485	9.74618	10.3157	9.38907	9.66911
VPS52	7.1455	7.79551	7.25283	6.45222	7.88396	7.74071	7.49239	8.27473	8.27589	8.12724	7.18328	8.05165	7.70895	8.37484	7.79591	7.12158
VPS53	4.85485	5.16933	5.12314	5.1367	4.91813	4.97408	4.87251	5.16743	4.63984	5.25573	4.7155	4.4062	5.08995	5.27655	5.03773	4.67186
VPS54	9.19844	9.0336	9.1841	8.71228	8.99832	9.26858	9.63286	9.45518	9.03623	9.25053	8.83393	8.90934	9.28207	9.21274	9.0707	9.49953
VPS72	7.20458	7.75186	6.01704	7.84625	7.49942	8.49463	7.7023	7.5677	8.03823	7.22941	8.10791	8.36086	8.29627	8.74774	8.13721	8.51364
VPS8	4.64006	4.30655	4.67009	4.2696	4.25355	4.42289	4.54221	4.48397	3.5887	4.76618	5.53215	3.99184	4.79167	4.03916	4.54346	4.28503
VPS9D1	7.71725	7.13969	7.34444	6.75383	6.91735	6.58386	7.68484	7.40139	7.76946	7.39325	8.79361	7.84993	7.64528	7.00107	7.62433	7.14123
VPS9D1-	5.31712	6.49089	6.53725	5.66075	6.04132	6.25512	5.50534	6.06626	6.28105	6.03361	5.77873	6.15904	5.33438	5.79284	6.30364	5.90706
VRK1	7.81085	7.69916	7.54087	8.13492	8.14651	7.73849	7.95951	8.22366	7.37234	6.92327	8.38151	7.18657	8.60447	7.50356	7.49794	8.18238
VRK2	6.62758	7.9133	8.54987	7.38866	10.908	7.6636	10.9118	9.45311	7.72953	6.90986	8.24208	7.59347	9.28504	10.6932	9.8453	9.19651
VRK3	5.76752	5.82812	5.3139	5.18461	5.90037	5.14061	5.34812	5.52733	5.8431	5.03965	5.67113	6.02979	5.80461	5.38276	5.43894	5.63956
VRTN	4.57516	5.45118	4.92884	6.68155	7.17584	3.54848	6.92766	7.24254	4.03549	6.10884	5.45613	5.02213	4.46842	6.23869	5.31905	6.42316
VSIG1	4.2279	3.80301	4.14617	3.88108	4.03106	4.64035	4.10722	4.10306	3.8951	3.6454	4.18876	3.8925	3.92314	4.04059	4.37953	3.093

VSIG10	5.32454	6.05999	4.92155	6.0536	3.46884	4.81041	5.48605	6.08384	4.16584	3.20323	5.02998	5.19674	6.55112	5.67243	5.52702	6.48445
VSIG10L	6.20086	5.87392	3.6244	4.98208	5.40426	3.37812	4.34799	5.89117	6.70282	7.39856	8.01367	3.7042	5.68275	4.15245	3.04901	5.19241
VSIG2	7.82305	7.56278	7.0263	6.76316	6.08022	5.73546	5.36506	5.19361	5.78904	7.56925	6.12177	5.16102	4.71918	5.69415	5.46131	4.88123
VSIG4	7.0576	6.6686	7.30355	7.1047	7.22828	7.47244	6.46685	7.36802	8.25505	7.93234	10.1456	7.00339	7.30554	7.24245	6.83226	8.18026
VSNL1	4.7593	6.38857	5.82226	6.15951	7.30666	7.0099	7.39805	5.11687	4.30792	7.0576	8.57592	4.91529	7.7273	7.54686	6.38857	6.02407
VSTM1	1.32695	3.21812	2.96792	3.53793	2.33881	2.31052	2.63794	2.91144	2.25875	1.28097	2.58746	1.87757	2.7137	2.37224	2.79339	2.86424
VSTM2A	2.02448	3.91868	3.04945	3.70234	3.3441	3.82716	4.10879	3.32397	2.39727	3.27696	4.06738	2.9516	3.33573	2.58967	4.0351	3.18376
VSTM2L	4.89016	5.27758	4.47847	5.57471	3.78235	3.32048	5.45881	4.7289	3.74437	4.97382	4.5939	3.36359	2.2085	3.33112	4.95919	2.90822
VSTM4	5.2306	5.05638	5.00797	5.10549	4.72787	5.41821	5.04296	5.49323	4.92582	5.46554	4.67048	5.37837	5.03633	5.4479	5.41227	4.83281
VSX1	4.85029	4.0831	4.52611	4.57155	4.34433	5.03914	4.211	4.92697	4.24304	4.47807	4.92713	4.65329	4.17338	4.63727	4.81041	4.41182
VTA1	6.80181	6.88287	6.6267	7.02532	7.45122	6.81715	7.66822	7.10887	7.15303	6.73147	7.52337	6.67139	7.37167	7.09521	7.1559	6.6596
VTCN1	6.57527	7.74945	5.97254	6.86877	4.73152	4.69801	4.82932	4.41679	6.06266	8.1831	3.3963	5.42644	4.45382	4.22367	4.68519	4.06288
VTI1A	6.30069	6.35309	6.14261	6.00149	6.08239	6.22548	5.29518	6.66257	6.45822	6.12624	6.96875	5.79256	6.00522	6.12252	6.01704	6.41388
VTI1B	6.52377	7.13275	7.17018	7.23519	7.52098	6.85804	6.83319	7.1885	7.23978	7.12292	7.13731	6.37431	6.89505	6.14705	7.27221	7.25736
VWA1	4.47382	4.33174	4.04939	4.25587	4.06326	4.33877	4.08906	4.2727	3.71942	4.42997	4.54145	3.99337	4.06326	4.91768	4.25692	4.18123
VWA3A	7.27323	5.00749	4.47624	6.40207	5.40179	5.40591	5.00585	5.27341	5.5837	4.76067	5.86108	6.12998	5.80882	4.75618	5.28311	5.26879
VWA3B	5.33811	4.94172	4.33174	5.18831	3.28662	3.88045	4.04474	3.89091	3.85936	3.95546	3.95124	3.64011	3.5702	3.65133	4.14154	3.67852
VWA5A	8.98463	8.92094	8.59959	8.55517	7.56278	7.94931	8.03184	8.73732	8.70076	8.91642	7.88233	8.26942	7.96786	7.85105	7.85449	7.65344
VWA5B1	3.7497	3.59234	4.36763	3.78844	3.86418	4.36139	3.11239	4.20556	4.24541	4.12088	4.40984	3.18563	3.12086	4.31556	3.54653	4.16747
VWA5B2	4.63097	4.0846	4.34935	3.92493	3.19594	3.12496	3.40444	4.19738	3.70234	4.07326	4.09091	4.20764	4.5207	3.47278	4.16395	3.90189
VWA7	3.19594	3.55786	2.72411	3.13915	2.61273	3.22527	2.39011	2.731	2.53538	2.80132	2.99709	2.76999	2.83935	2.95261	2.47462	2.79166
VWA8	6.6655	6.9363	6.10692	6.12073	6.39113	6.20878	6.41224	6.48318	5.80361	6.7877	6.59605	5.80993	6.64741	6.50447	6.5143	6.97123
VWA8-A	5.70907	4.47585	3.8854	5.09122	3.90824	4.71408	4.11056	5.58219	2.23663	3.35252	3.38024	4.10524	3.7815	3.18838	3.54495	3.42132
VWA9	5.21413	6.11583	5.10961	5.72892	5.58076	5.03513	6.04314	5.40826	6.30273	4.69108	5.66433	4.44812	4.84606	5.21285	5.22886	6.75392
VWC2	2.89649	1.44837	1.82328	4.50197	1.80599	3.32048	2.3531	3.80483	-1.4826	0.18982	3.55809	3.71438	-0.133	4.1099	2.93032	3.87671
VWCE	6.65541	7.0247	7.07983	6.69314	7.79909	7.30878	7.43728	6.25369	7.49996	7.18981	6.03972	7.3603	6.82575	7.57212	7.45005	6.93102
VWDE	3.49317	1.69143	3.37829	1.87615	3.80262	4.70049	4.91553	2.66175	2.9662	4.45408	3.67703	2.50365	3.76017	3.68203	3.78714	4.53148
VWF	6.90423	6.44405	6.88927	5.29857	6.57401	6.07712	6.4894	6.90107	5.80121	6.77263	6.94902	7.0724	5.91675	5.6905	6.19241	6.51878
WAC	7.38746	7.47334	7.75627	7.52841	7.38166	7.67171	8.16376	7.77017	7.73933	7.64001	7.05471	7.25345	7.56597	7.64325	7.86813	7.29852
WAC-AS	6.43366	7.41612	6.83511	6.6346	7.31017	5.89737	6.98629	4.46162	6.79474	7.26312	6.38529	5.85157	5.84569	6.32393	6.60878	7.31288
WAPAL	6.55289	6.43573	6.63235	6.6179	6.73482	6.92337	6.25955	6.34532	6.40934	5.27742	7.29882	6.94865	6.2474	6.8481	6.64067	7.19814
WARS	8.09817	8.89192	9.16397	6.46662	8.48593	7.67128	5.81646	9.84358	10.1516	7.61008	11.0741	8.0775	8.43209	7.6495	7.57827	8.52211
WARS2	5.00115	4.84092	4.0856	4.63759	5.57458	4.43596	4.73386	4.82325	4.41908	3.85318	4.94892	4.16478	4.91154	5.57982	4.99603	5.17777
WAS	5.76027	6.2291	6.35062	6.2573	5.77478	5.53039	6.17931	6.69747	6.26865	5.73636	7.04341	6.3443	5.45677	6.07014	7.04198	6.55759
WASF1	6.25222	6.49724	7.18124	6.85136	7.78272	7.22364	8.27535	6.17362	6.41963	6.52126	6.75154	5.41144	7.9931	6.78527	7.64001	7.93561

WASF2	7.31288	7.4092	7.61481	7.49429	7.02379	7.54421	8.20702	6.87563	7.49699	7.46529	6.68175	6.97927	6.61924	8.20643	7.58461	6.55342
WASF3	7.52841	7.53552	7.4409	7.4963	6.17087	6.44543	5.76985	6.52664	6.26532	8.22428	6.95347	6.75064	6.09492	6.71047	7.30859	5.82006
WASL	4.36086	4.19514	5.21707	4.54652	4.57777	4.68925	5.17583	3.92098	5.28471	5.18334	4.53148	4.21204	4.87769	4.24058	4.93774	5.27021
WBP11	6.50191	6.6551	6.23074	6.58198	8.09594	6.56925	7.0163	7.23713	7.03578	6.56272	7.03026	5.56894	6.61943	6.89374	7.5677	6.58914
WBP1L	9.39265	8.89519	9.11102	8.76046	8.12358	9.96379	8.54215	9.25598	9.58716	9.33697	9.03868	9.35321	7.98508	8.37484	8.74249	7.92507
WBP2	7.94524	8.00595	7.44942	7.76668	7.51279	7.45408	7.61148	7.93762	7.81974	7.9507	7.89038	7.92616	7.6495	7.36632	8.03401	7.2488
WBP2NL	4.59992	3.4933	4.61283	5.61264	2.89774	3.601	3.57168	3.15288	3.63964	4.37418	5.11801	5.68216	2.46016	3.16811	3.66756	2.96003
WBP4	6.98107	6.8099	7.58677	7.56028	6.95994	8.03847	8.41852	7.8738	7.02351	7.10241	7.72984	7.08393	7.03928	7.80021	7.43628	7.18124
WBP5	8.79526	8.94713	9.98406	9.38383	9.5293	10.5711	10.2145	10.149	9.75979	9.40619	9.18298	9.39265	10.0139	10.6118	9.86652	9.2048
WBSCR1	5.36506	5.55605	5.09342	5.64066	5.51228	5.86411	6.1534	5.11814	5.57119	5.51802	6.05086	5.79509	6.01673	5.62395	5.0464	5.74329
WBSCR1	6.26946	7.14679	6.96496	6.50339	5.94974	6.03949	8.49565	7.36802	6.52365	7.59235	5.01746	6.88363	6.82036	6.29468	7.01068	5.88049
WBSCR2	5.61572	5.56754	5.44072	4.90131	5.1794	4.98301	4.72194	5.57613	5.19512	5.28614	5.24052	5.15451	4.69958	5.56822	5.97983	5.69455
WBSCR2	6.99283	6.06227	5.15041	5.76238	4.47624	5.31236	5.93642	5.54537	4.84059	5.85135	5.58265	5.72755	4.14977	5.60866	3.35152	5.88618
WBSCR2	2.91334	2.86158	2.27099	2.67969	1.97947	2.69944	3.18384	2.17246	2.73661	2.57765	1.36661	2.2743	2.26476	3.12884	3.03267	2.69842
WDFY1	5.45776	5.86242	6.19388	5.79626	6.81119	5.74805	5.50235	5.37027	6.95816	5.4816	6.53241	5.89817	5.93291	5.7151	6.98197	5.77111
WDFY2	5.66502	4.70445	5.08426	5.39933	5.87407	5.2505	5.47786	5.42319	5.26002	5.49837	5.51629	6.0088	5.05825	5.38902	5.82637	5.13318
WDFY3	6.97418	6.46984	6.45758	6.17984	6.1336	6.97736	5.82226	5.859	6.56163	6.72182	6.91735	6.33199	5.92913	6.00649	6.84575	6.30993
WDFY3-A	5.35839	4.81141	4.7659	4.60868	3.93142	4.12088	5.03472	4.27051	3.75964	4.59673	4.70745	2.82441	4.58758	4.4227	3.63714	3.2376
WDFY4	5.84468	6.12115	5.81194	5.85003	5.76173	5.51976	6.45401	6.77758	6.54549	5.68579	5.91749	6.71459	5.5016	5.57718	6.4838	6.20463
WDHD1	5.79645	6.14599	5.62838	5.29075	7.18981	6.29473	6.52082	6.87509	6.36554	5.27941	7.38851	6.35794	6.97857	6.16738	6.6892	7.16353
WDPCP	7.32145	6.21158	6.55657	6.73709	7.21241	6.0218	6.32482	5.91215	6.89947	5.65565	5.61594	6.24242	5.61148	5.33582	7.12681	6.67336
WDR1	7.50897	7.58939	7.276	7.21241	6.91333	7.322	7.65092	7.48041	7.62288	7.51973	7.62912	7.36632	6.71047	7.05317	6.91209	7.19095
WDR11	8.69038	7.76876	8.51784	8.02382	7.65275	9.31511	8.055	7.9407	8.17784	7.7273	7.97532	7.6443	7.30921	8.03741	9.25156	8.63028
WDR11-A	5.57083	5.6905	5.37386	5.67091	5.85971	6.15798	6.28525	6.24092	6.14046	5.74785	5.7242	5.81346	6.11493	4.63031	5.92492	6.32164
WDR12	6.46938	6.42415	6.31646	5.65114	6.30551	6.32249	7.23955	6.56324	6.68938	6.11965	6.43304	5.88168	6.4495	6.65734	6.66401	6.64671
WDR13	8.06455	7.66346	7.47017	7.56707	7.2508	7.27221	7.69886	7.15377	7.02326	8.06265	6.90303	7.53221	7.39737	7.47068	7.32963	7.35509
WDR16	8.50865	7.07031	4.59728	6.70141	4.4039	6.20478	4.57172	4.37434	4.7616	4.5743	4.33068	5.73235	5.41534	4.98558	4.36536	4.01411
WDR17	5.58936	4.56991	4.98706	3.60684	4.43979	3.07162	4.42603	4.45523	2.04903	5.50389	4.60422	2.49961	2.47728	1.46034	2.58708	3.47705
WDR18	6.16343	6.78416	5.66058	3.99755	6.52377	5.84203	5.86149	4.45148	4.69241	5.9972	6.41555	6.97033	6.45523	7.65751	5.85731	6.71818
WDR19	6.04328	4.93921	4.22737	5.32123	4.35543	3.30026	3.01775	3.14254	3.96263	3.77315	4.07184	3.61218	3.35289	5.41945	4.62754	3.67981
WDR20	6.20579	6.3586	6.30626	6.44513	6.36854	5.98807	5.42342	5.41899	6.25955	6.26204	6.75611	5.86411	5.33606	5.38104	5.93989	5.89549
WDR24	6.47632	6.38317	6.00799	6.49643	6.2822	5.76151	3.10453	6.36903	6.63564	5.80309	6.0322	6.9911	6.80371	6.32393	6.19518	6.10931
WDR25	4.29421	5.8181	3.95827	5.05502	4.97974	4.11531	3.55696	6.00675	5.43789	5.53181	6.15426	4.56642	6.15519	4.28324	3.59615	5.8608
WDR26	6.55657	6.56324	6.89899	6.92873	7.25243	6.49124	6.96411	7.23672	7.16505	6.72473	6.96135	6.30958	6.85993	6.30311	6.84939	6.6623
WDR27	5.51686	4.9792	4.7669	5.45613	6.0054	5.42319	5.34452	5.92025	5.63327	5.31511	5.51836	5.65993	5.21683	5.47192	5.55605	5.34613

WDR3	5.73512	5.55057	6.02566	6.2599	6.51914	6.49184	7.54909	7.13403	5.6459	6.56051	6.99097	6.3586	6.42921	6.39124	6.42113	5.77442
WDR31	6.5764	5.8975	6.07822	5.60047	5.77438	5.82053	5.72084	6.3379	4.78876	5.44119	4.83492	5.93531	4.85572	5.93115	5.8259	4.91154
WDR34	9.51497	8.44542	8.19698	8.50585	8.53799	8.15443	8.39024	8.20228	8.65188	8.69038	8.21298	8.35838	8.72368	8.65949	8.4259	9.0587
WDR35	7.55386	6.76245	6.80197	7.19405	6.77986	6.85882	6.84248	6.54488	5.41963	7.15992	6.25955	6.60701	7.0572	6.58066	7.15354	6.47337
WDR36	6.82203	5.88098	7.16464	6.80762	7.26516	7.27347	7.12158	7.25999	6.76694	6.97341	7.94437	6.89281	7.01461	7.3721	7.12158	7.48453
WDR37	6.86383	7.23713	6.37629	7.38512	7.11435	7.1503	7.00096	7.16146	7.36564	7.28911	7.16026	7.02701	7.41461	7.45051	7.71686	7.17415
WDR38	6.33478	5.26512	3.32776	6.02595	3.15402	3.31095	3.15207	4.28253	3.6881	3.45142	2.57956	4.0831	4.17392	2.8331	3.44749	4.04474
WDR4	5.84898	5.96127	6.49105	5.88373	6.22437	6.46387	6.86122	6.89645	6.05489	6.14183	7.28879	6.70707	6.24118	6.84972	6.20321	6.23179
WDR41	5.73085	6.1861	5.76673	5.25291	7.28174	5.25825	6.43573	6.5318	5.89446	5.69394	6.71047	5.54389	6.93962	6.63473	6.30924	6.44056
WDR43	7.25138	7.472	6.56182	5.83023	8.28309	6.56324	9.12731	9.00415	7.65355	7.00914	8.2162	7.35875	8.69304	7.42138	7.18028	8.50865
WDR44	5.70234	5.08	5.36506	5.03935	5.93563	4.50167	4.26048	3.44713	4.80964	3.76529	5.47104	5.25598	5.80097	4.48458	4.56255	5.04296
WDR45	7.90044	8.37808	7.99888	7.79926	7.92556	7.80622	7.22216	8.02016	8.03012	8.76627	8.0588	8.46478	8.02303	7.65275	7.94931	7.73468
WDR45B	9.51355	9.19307	9.80853	9.35144	9.3733	9.25156	9.3733	8.32872	8.10408	9.6978	8.89011	10.0123	10.1797	9.39051	9.93446	8.80792
WDR46	6.36554	4.45111	5.57398	4.51886	6.23813	6.19664	6.9158	5.68373	5.63045	6.94854	7.00157	7.20912	6.4665	7.09007	4.46357	4.62964
WDR47	8.22729	7.35875	7.88701	8.137	10.2129	8.7635	9.30484	8.61941	7.58232	7.79591	8.1697	8.02346	8.50431	9.38768	10.0722	7.48101
WDR48	6.12821	6.0856	6.62843	5.97983	6.51161	6.09501	5.80097	6.03191	5.93055	6.06636	6.22463	5.95703	6.45939	6.26698	6.29893	6.68609
WDR49	6.05129	6.10379	3.07918	4.36436	4.72092	2.52697	3.81454	3.92468	3.8946	1.10724	1.52593	3.68775	3.99184	2.30076	3.72115	4.62221
WDR5	7.34693	7.42295	7.38264	7.18221	7.35385	6.55493	6.8266	7.39879	6.46724	7.24339	7.56746	8.10604	7.42589	7.74284	7.06708	7.7461
WDR52	8.35838	6.63574	6.33362	6.89412	6.82623	6.18713	6.14229	7.08674	6.34004	6.8608	5.70016	6.0218	6.65253	6.16296	6.81451	5.95178
WDR53	7.89256	7.50158	8.17445	7.89872	7.93633	7.89872	8.15127	8.13666	8.01779	7.31041	7.53498	7.737	7.8819	7.84625	7.54029	7.85698
WDR54	10.99	9.59898	8.46329	10.3468	8.60131	8.56834	8.82316	8.40046	8.6933	8.09264	8.74164	9.69974	9.36543	9.35525	8.37808	8.08838
WDR55	6.34299	6.48794	6.41007	6.58818	6.19796	6.17076	7.08637	6.90904	6.22849	6.2407	6.80002	6.74706	6.34639	6.68135	6.42461	5.89353
WDR59	4.60892	4.41415	3.8925	4.32878	3.9706	4.7492	4.88429	4.17832	4.04442	4.36262	5.70107	4.52611	4.67557	4.71816	4.19514	4.46753
WDR5B	7.56081	7.78067	6.69878	6.94509	7.43279	7.35089	6.23636	7.37319	7.03653	7.73683	6.88898	7.09327	7.72074	7.42188	7.69211	7.43691
WDR6	5.04602	4.13982	4.75295	4.4613	5.04804	5.73055	5.27844	5.46528	5.32922	5.5046	5.3021	5.72828	4.22771	5.53739	5.3987	5.33633
WDR60	6.96393	4.71122	6.88573	6.31984	6.28945	5.62501	6.43173	5.78092	6.028	5.71535	6.01282	5.64923	6.38452	6.21045	6.03408	5.05901
WDR61	7.71422	7.62888	7.86385	7.71156	7.8222	7.56462	8.11037	7.53449	7.65726	8.05165	7.28682	7.44928	7.81141	7.76731	7.72862	7.74011
WDR62	6.53433	6.89173	5.99118	6.55527	6.34934	6.45815	7.07599	6.92074	6.38477	6.10971	6.46269	6.1016	7.26681	6.56002	6.25955	7.15566
WDR63	7.41439	5.07244	2.35871	7.20992	3.10976	2.86136	1.24246	2.58708	2.31622	2.85867	2.41572	3.73633	3.05227	3.26302	3.662	2.96003
WDR64	5.71671	4.91088	5.12092	5.70679	4.88936	3.22527	4.79774	5.04974	5.96981	3.42914	5.65526	5.24175	4.58588	2.59761	3.62574	4.76031
WDR65	4.8012	4.98301	5.99187	3.23213	5.84343	5.85664	5.01022	6.95007	6.41737	5.88638	6.19608	6.51354	5.99292	6.90952	5.94601	4.09222
WDR66	7.17129	6.40989	4.71779	5.77696	5.42236	4.46375	4.38594	4.80155	5.11563	3.98424	5.10007	5.37722	5.2261	4.65119	4.62733	3.84331
WDR7	5.94649	6.46039	7.00117	6.68437	6.94494	6.69966	6.69641	7.06708	7.57964	6.93064	6.33496	5.99187	6.82553	4.98524	6.81265	6.06212
WDR70	7.26423	6.81688	6.97745	7.0793	7.96472	7.60146	6.98197	6.89597	6.93258	7.54722	7.37148	6.57977	8.08673	7.64614	7.50324	7.18266
WDR72	4.50668	5.07404	4.22701	5.18283	4.15423	4.58359	6.09307	4.45488	5.23378	4.39519	5.5189	5.07734	6.74227	4.71618	5.02024	5.86541

WDR73	8.07728	8.21863	7.39688	7.77319	8.02537	7.432	8.09882	8.60718	7.89504	7.96917	7.69235	8.12453	7.64121	8.21376	7.60944	7.9767
WDR74	6.30759	7.19145	6.75866	6.9197	7.07369	6.88484	6.40934	6.27228	6.18726	6.09988	6.50796	6.02266	6.54977	7.83011	6.06289	7.0261
WDR75	6.72122	6.93721	7.33114	7.21997	8.07378	7.42275	6.93431	8.03432	7.33414	7.74589	7.36816	6.73346	7.93338	7.58177	8.10818	8.21836
WDR76	6.03408	4.542	6.2296	5.38078	6.35493	5.16446	6.42388	5.37219	6.51475	4.45842	5.26966	5.40944	6.26293	6.26067	6.21045	5.4698
WDR77	8.00923	8.12039	7.2941	7.62433	7.62433	7.89679	7.94682	8.29063	7.47978	7.7963	7.79201	8.13823	8.1427	8.23743	8.00348	7.52127
WDR78	8.17017	7.01125	5.88563	7.42589	6.25872	6.04297	6.29537	5.52307	5.77758	5.55115	5.02259	6.14347	5.41737	6.10943	6.05504	6.14498
WDR81	7.21051	6.774	7.29217	6.72765	6.35326	6.5545	7.20191	6.97563	7.19982	7.5049	7.09937	7.90812	6.6127	6.46304	7.11489	6.67266
WDR82	10.4632	11.1275	11.2154	11.0235	10.8573	11.374	11.2756	10.7222	10.7548	10.8973	11.0322	11.2558	9.62162	9.92829	11.0563	11.1658
WDR83	8.12675	7.69916	7.70306	7.99918	7.56225	7.66548	8.12218	7.75767	7.68399	7.91486	7.89872	8.49504	7.56855	7.81725	7.7108	7.56925
WDR83O	9.30484	9.36777	8.8284	9.11734	8.03548	8.57847	8.83547	5.50962	8.49421	8.98978	9.08296	8.21576	9.63723	9.24021	8.35376	9.89872
WDR86	4.2978	4.50355	4.28781	4.2689	3.53484	4.04939	2.43959	2.44455	3.82034	4.16003	2.90857	4.59074	3.38113	4.48907	3.02373	2.97028
WDR86-A	7.20734	4.49731	5.00742	6.53008	3.30882	4.72201	5.39211	5.02925	5.54116	5.94323	4.74167	4.90513	5.05646	3.34999	5.25562	5.37957
WDR87	6.34518	6.77527	6.71005	5.19961	6.27654	6.26091	6.87781	6.26403	6.4091	6.27933	5.98199	6.77516	6.30778	6.56438	6.07137	5.949
WDR88	2.3893	2.4026	3.70305	2.19799	2.95097	3.26549	3.134	3.2995	3.14371	2.91928	2.69458	2.69304	3.22192	3.41112	2.68409	3.08379
WDR89	6.02224	6.43444	6.1584	5.27116	6.62048	5.22765	5.79876	5.94499	6.52996	5.36761	6.54702	5.3523	6.62636	5.0545	6.24681	6.10124
WDR90	6.60014	5.09667	6.2885	5.95929	6.32349	6.07188	5.71377	6.36226	6.07446	5.74014	5.99151	5.02826	6.29494	6.15596	5.8211	6.35993
WDR91	5.11456	5.66376	6.66684	5.42167	6.72263	6.20404	6.78707	6.56272	6.0757	5.24317	6.08574	6.94323	6.50511	6.95926	7.19839	6.96182
WDR92	8.4172	7.95894	7.49252	7.83428	7.92379	6.71039	6.71904	6.2284	7.55047	7.17328	7.47334	7.40169	7.01358	7.75627	7.82723	7.28966
WDR93	7.38851	6.82532	6.39914	6.88398	6.2427	6.7635	6.80263	6.99057	6.41511	6.39685	6.3871	7.03761	6.30993	6.46975	6.56511	6.63746
WDR96	5.42595	4.22224	4.16643	4.71007	4.30115	4.52134	3.43168	3.64695	4.41781	3.77354	3.23948	3.44414	3.46822	3.89212	4.63097	3.55491
WDSUB1	7.5679	7.13317	7.26681	6.81113	7.98529	7.45251	7.1821	7.56657	7.16707	7.58264	6.78707	6.14575	7.31637	7.74157	7.83761	7.71443
WDTC1	7.16758	7.1342	6.43003	7.29787	6.54757	7.43124	7.55265	7.29957	7.17603	6.57691	6.84551	7.39988	7.11036	7.26714	7.20587	7.25662
WDYHV	6.48815	7.54594	7.43563	7.1351	7.68572	7.56117	7.65295	7.68887	7.80763	8.01263	7.76863	6.93816	8.56737	8.0511	7.56657	8.28751
WEE1	5.67887	5.47346	5.29702	5.63228	5.87283	5.21296	5.5785	5.70072	5.92839	5.53814	5.89084	4.51778	5.87747	5.89251	5.75568	5.78871
WEE2-AS	7.35785	6.18979	6.07023	6.51208	6.13735	5.48131	6.19203	4.38366	5.89332	6.65137	4.57021	5.6367	5.59184	6.74395	6.39003	5.74475
WFDC1	6.59443	5.44046	4.6592	4.70214	1.93871	4.73879	4.30475	3.47335	4.17624	7.37319	3.8925	5.3962	3.88172	6.21387	5.92567	3.53602
WFDC10	4.05217	3.80592	3.1811	4.03862	3.44117	3.42836	3.0573	3.67908	3.19069	3.63896	3.32655	4.03926	2.90755	3.24563	3.7365	3.96332
WFDC10	4.35066	2.44316	2.63513	3.6256	3.32431	2.91286	3.20323	4.10002	3.25201	1.82992	4.26713	3.81618	5.89332	4.01187	4.9403	5.3575
WFDC11	5.33339	3.76552	3.35289	5.41414	5.62008	3.40348	5.65267	5.91431	5.155	3.8429	5.36397	5.76752	5.71246	6.19154	5.16778	4.12557
WFDC12	4.98058	6.60354	5.93974	5.68888	6.2212	6.45345	6.95859	5.41101	6.89132	5.98834	5.08811	5.22251	5.22455	6.86802	7.3708	5.63859
WFDC13	2.88015	3.64032	3.23213	2.00313	3.42572	1.995	3.12496	3.17146	2.93758	2.95492	2.93839	3.14285	1.97096	0.96901	2.78105	3.0606
WFDC2	8.29317	7.58784	6.98952	6.84879	5.71298	5.56754	5.96658	5.39197	5.88871	8.11037	5.7541	6.22235	6.38175	6.10048	5.4309	5.59041
WFDC21	7.24729	7.70966	7.26624	8.33155	7.01754	7.05993	8.69194	8.46388	8.23881	7.3959	7.0827	7.73257	8.20284	5.35106	9.03131	8.38967
WFDC3	6.75611	6.77908	4.89082	6.02751	4.06784	3.99153	6.04874	6.73237	6.61445	4.93233	4.32438	4.35575	5.58559	6.12115	5.34195	3.57557
WFDC5	6.0458	5.40961	5.47111	5.302	6.16239	6.50914	7.93534	5.692	5.54563	5.18807	5.61759	5.98264	6.818	8.04793	6.85555	5.23232

WFDC6	7.12147	5.20259	5.68265	6.17486	5.54991	2.89716	4.8582	4.37563	5.33811	3.36001	4.36479	3.29115	6.01907	4.81617	5.49645	5.49001
WFDC8	3.8925	4.4478	4.2792	4.29558	4.16233	4.01168	4.38674	4.23458	4.34957	4.07683	4.65418	4.73656	4.35606	4.02372	4.15112	4.05318
WFDC9	6.53593	6.82404	6.7969	7.00374	6.72429	7.17603	6.40922	7.14059	6.94991	6.3021	6.54955	6.78435	6.8874	6.99689	6.88076	6.95233
WFIKKN	4.47585	4.69357	4.37426	4.42997	4.38405	4.53233	4.52231	4.48907	4.72987	4.56572	5.89602	5.42357	6.82036	4.78265	4.77103	4.43077
WFIKKN	3.67604	3.52053	3.474	3.93967	3.40051	3.41135	3.7297	3.26122	3.0337	3.19767	3.03207	3.6454	3.92393	3.56769	3.38024	3.27882
WFS1	5.54917	5.04222	5.12665	5.03965	4.85212	5.0985	5.42632	5.17075	5.07153	5.39197	5.32899	6.06525	5.15859	4.83492	5.00425	5.13872
WHAMM	7.21523	8.09341	8.36968	7.79058	8.32786	8.19081	9.0488	8.86001	8.29317	7.59371	7.35004	8.19792	7.25098	7.54151	8.21557	7.8025
WHAMM	8.31881	7.80837	8.58931	8.15863	8.38967	8.04821	8.37861	8.80651	7.63497	7.8749	7.97233	8.50585	8.93342	8.65698	8.05692	8.79808
WHSC1	5.67192	6.00628	5.39452	5.70963	6.20996	6.4899	6.02858	6.66563	6.38675	5.73271	6.42338	6.82702	6.74635	6.79006	6.19338	6.60313
WHSC1L	6.48699	6.1716	6.2605	6.5166	6.52278	6.48497	7.13623	6.58498	6.54	6.03131	6.45915	6.35718	6.46475	6.85834	6.58666	6.75866
WI2-8903	2.81334	3.74825	3.68203	4.59609	3.16569	3.601	3.44209	2.64349	4.57006	3.95892	3.37552	2.24796	3.46411	3.75913	3.46534	3.45478
WIBG	6.36767	6.25369	6.28689	6.33721	5.90489	5.51296	5.00797	6.39113	6.70066	6.09737	6.43593	4.25636	4.97988	6.8975	6.30331	5.28356
WIF1	6.67366	5.61501	3.22117	4.87633	7.80438	5.73486	2.78886	3.13235	4.57635	11.2398	2.8192	4.47148	5.63427	5.27526	4.06918	3.7755
WIPF1	6.74484	8.49421	8.12724	8.13277	7.96289	8.09465	7.1885	8.49504	8.13823	7.54594	8.51568	8.39908	8.08617	7.55633	8.21355	8.03741
WIPF2	7.4292	7.19775	7.74515	7.56138	7.15273	7.86294	7.93138	7.29064	7.61683	7.27163	7.22538	6.30523	6.846	7.59371	7.61653	6.77193
WIPF3	5.76497	5.06051	5.22148	5.60601	5.29895	4.69272	6.59422	4.42934	5.73768	5.92597	4.25355	5.31887	5.19179	5.41283	4.63576	5.52799
WIPI1	9.2593	9.18179	9.65751	8.77566	8.89283	8.09982	8.68099	8.87147	9.11315	9.97305	8.74907	9.055	8.11615	8.19393	8.80081	8.27215
WIPI2	7.51009	7.65029	7.15053	7.42114	7.35032	7.68418	7.53386	7.00304	7.65686	7.29183	7.29046	7.66255	7.68253	7.54351	7.7162	7.44712
WISP1	4.50143	5.61383	5.13968	3.90886	5.72052	4.65199	3.54548	5.59067	5.48041	3.80117	5.13097	5.50917	3.76344	4.5453	6.25329	4.42618
WISP2	4.12999	6.08725	5.75259	4.66453	5.90807	4.55731	5.77668	5.77447	4.25669	5.91555	4.905	5.30024	5.25748	6.0554	5.24336	5.95703
WISP3	2.76301	2.03633	3.36615	2.80388	3.15604	1.55128	3.43472	3.42753	3.99755	3.42369	3.6899	4.19177	3.16885	3.5945	3.2495	4.02826
WIZ	4.89694	5.13767	5.25642	4.89718	5.35398	5.08546	5.58335	5.48413	5.05543	5.2325	4.98524	5.65342	5.72735	5.52553	5.593	5.84642
WLS	8.19276	7.5216	8.3093	8.06455	7.56369	8.11037	6.31343	6.75251	7.01754	8.74249	6.5885	7.94023	7.02837	6.55426	7.66306	5.49373
WNK1	5.37077	5.01851	5.96143	5.95498	5.33126	5.43894	4.66808	4.91198	5.40619	5.00749	5.95929	5.20976	5.35761	4.96105	5.10549	5.21864
WNK2	6.12073	5.47104	5.67434	6.22501	6.33083	5.85541	6.58666	5.54898	5.92045	5.7594	5.47164	5.67833	5.56822	5.29354	6.05821	6.2118
WNK3	5.45446	4.83606	5.00457	5.10935	5.28241	4.57737	5.53282	5.0902	4.96159	5.3869	5.31943	6.06936	5.2591	5.21236	6.06123	5.56612
WNK4	2.86655	2.95627	2.78532	2.78532	3.1586	2.75642	3.65093	3.97356	3.37974	3.72561	3.42199	3.08236	2.41413	3.40389	2.74036	3.08321
WNT1	4.9403	4.74876	5.85386	2.83422	5.26818	5.48731	5.37804	4.96893	5.6132	5.92461	5.61082	3.32466	5.33438	3.36587	4.8213	5.08387
WNT10A	4.54463	4.34691	3.17246	5.37736	4.59297	4.50964	4.01912	4.48242	5.06404	4.64112	4.57499	4.34723	4.27479	4.6265	5.27065	5.42031
WNT10B	3.57397	3.77151	4.28615	3.89582	6.46539	6.27405	6.16248	4.52735	3.25201	3.02948	3.06624	6.95444	4.29511	7.60767	4.50446	7.39425
WNT11	3.16429	2.65522	6.71138	2.93958	5.45685	2.99117	4.51685	3.25357	5.05885	5.05621	2.93839	3.27772	2.79294	2.72254	2.59102	3.57557
WNT16	4.04818	4.62587	4.0649	4.79343	4.58884	3.74024	5.41552	5.06976	5.33406	4.3896	4.04793	2.99916	4.95585	3.75083	5.21626	5.13936
WNT2	3.62466	3.99153	3.9636	5.25444	6.94074	4.82763	4.15069	7.08687	5.0435	5.87873	5.18054	6.11097	6.56239	6.31164	7.85734	6.68208
WNT2B	4.61408	4.6954	5.08271	4.73008	4.04041	5.11379	5.19028	4.37306	4.38038	4.05249	4.36139	4.01206	4.56179	4.57516	4.57882	3.91797
WNT4	4.62869	4.17154	3.06788	2.84641	3.89706	2.61504	4.21911	2.15437	3.3448	2.17829	2.90726	4.35946	3.67122	4.30268	3.81063	2.50499

WNT5A	7.43769	7.22255	8.00348	6.88927	9.21594	7.89777	8.76627	8.42795	6.8226	7.38556	7.095	6.86703	7.87581	8.89283	10.7696	9.11315
WNT5B	5.78886	6.03535	5.83509	6.06758	6.90602	5.12745	5.36254	5.60325	6.38946	5.63291	5.26698	5.93291	7.07656	6.43173	5.54917	5.05847
WNT6	5.31186	4.7761	4.80031	4.78714	4.23681	4.70793	4.83726	4.73535	4.62482	4.62017	5.10092	4.42448	5.22992	5.39128	4.74602	4.96603
WNT7A	3.80647	5.41101	3.9636	3.80706	4.4489	5.00186	6.54188	3.49069	4.90488	3.68301	3.82034	4.7521	5.3152	5.03633	4.41344	4.50598
WNT7B	4.05867	3.99774	3.47956	2.98013	3.0807	3.66636	3.981	3.24137	3.66032	3.763	3.98251	2.91618	2.21817	3.98702	3.19417	3.32497
WNT8A	3.91761	5.8181	3.1811	4.34058	5.02134	4.25611	3.03237	5.12208	3.63964	3.92077	4.09367	3.49365	4.03129	4.2359	3.57849	3.9365
WNT8B	4.64929	3.94952	5.14196	4.00732	4.18221	5.13024	3.55696	5.76823	5.77414	2.63576	4.06326	5.27702	4.69241	5.84528	4.06918	4.33222
WNT9A	5.79835	5.45446	5.13901	5.24833	5.84449	5.39676	5.30756	3.54227	5.26675	4.59114	5.20552	5.467	4.03451	4.92384	5.77587	3.64082
WNT9B	4.17798	5.32827	4.46262	4.02962	4.18809	4.40473	4.25043	4.34817	4.25669	5.19273	4.1725	4.25098	4.2307	4.42968	4.28189	4.31542
WRAP53	6.79912	6.34657	5.90945	6.40279	5.98534	6.37377	6.66494	6.59193	5.71771	6.04708	6.67543	6.9799	6.12115	6.57101	5.95281	6.25548
WRAP73	6.08394	6.04708	6.88166	5.32334	5.58663	5.82306	6.6798	6.03045	5.58686	5.54464	6.46039	7.31362	6.15126	7.16831	6.13102	6.32734
WRB	8.67767	8.36242	8.16461	9.02455	8.2105	8.44095	7.22111	8.03609	7.42074	8.27019	8.24731	7.58689	8.36416	8.3014	8.48009	8.91763
WRN	8.67187	8.14909	8.60862	8.63551	8.56452	8.38319	9.23032	9.06348	7.59947	8.20228	8.13389	8.40549	8.45848	8.73561	8.23001	8.66141
WRNIP1	6.38216	5.82698	5.80066	5.8704	6.09333	5.13968	5.96113	5.77633	5.90047	6.24793	6.38087	6.31477	5.75929	6.34446	6.0061	5.48773
WSB1	5.99118	5.55587	6.30648	6.90726	6.14693	6.48089	6.19092	6.51464	5.95026	6.14498	6.71935	5.9226	6.73659	6.24827	6.71047	5.9813
WSB2	8.12218	9.54001	8.96842	8.34898	9.86158	10.2084	10.5753	9.81371	10.1917	9.4469	9.78521	6.19445	10.3833	9.34402	10.032	9.73221
WSCD2	3.68459	4.32015	4.57197	3.65968	4.71641	4.7147	4.08778	4.40237	3.58935	4.41398	4.81941	4.7822	3.71992	4.46104	4.40714	4.72028
WT1	3.7815	4.26456	3.70072	5.55587	4.91154	4.75405	3.91364	4.56642	4.74602	5.74926	4.63871	5.16136	5.46729	5.05543	5.19179	4.23371
WT1-AS	2.13523	2.49227	2.61382	2.55745	2.1445	2.53476	3.53968	2.95859	2.83517	2.57765	2.07483	3.71438	3.32016	2.34474	3.23099	2.53538
WTAP	6.62571	6.61395	6.53593	6.78574	7.02351	7.04642	7.64555	7.21428	6.78095	6.39914	6.98862	6.74074	7.09987	6.95754	6.49883	6.69985
WTIP	6.32655	6.67817	4.88716	6.32236	4.87854	6.69739	6.13169	3.56906	3.98331	6.4165	6.03361	6.78049	4.27078	4.15245	4.05558	3.44273
WWC1	4.63296	4.49355	4.77152	3.7924	4.25308	4.48422	5.02998	4.32719	4.3896	5.13806	4.53734	3.7594	3.83648	4.36192	4.01138	4.78762
WWC2	3.87518	3.55786	4.19503	3.25646	3.22566	4.42491	3.45602	3.85505	4.06039	3.49311	3.60639	4.97617	3.61424	3.51712	3.662	4.85485
WWC2-A	6.08915	5.92461	3.51672	5.65354	5.84579	4.26501	4.93968	5.38422	5.19212	3.2328	5.96744	5.59986	4.49752	5.97437	6.02588	6.3343
WWC3	7.64528	7.24674	7.74752	7.73231	7.43124	8.049	8.38627	7.6702	7.67409	7.45059	7.20682	7.5431	6.60068	7.97619	8.15363	7.00117
WWOX	6.14261	6.31597	5.76624	5.95902	5.68275	6.21558	6.53713	6.51929	6.21679	6.31984	5.99607	6.70844	6.67527	6.9415	6.36872	6.16524
WWP1	7.65647	7.6407	8.33874	8.36277	8.90453	8.02537	8.98666	7.50807	7.79893	7.90829	7.13865	7.60892	7.73104	8.49612	8.86638	8.57771
WWP2	6.134	5.69415	4.9692	5.23521	5.38177	5.10708	4.36849	5.75858	5.83143	6.34327	4.9576	6.19241	4.52188	5.40857	5.34065	5.88216
WWTR1	7.05409	6.73709	7.07804	6.5777	6.4057	5.81304	6.235	6.02014	6.64067	7.16126	6.8975	5.84835	6.4707	4.87039	6.22361	6.93816
WWTR1-	2.97556	3.15051	3.10589	2.36895	3.134	3.06066	2.97568	2.94759	2.96351	3.04121	3.20201	3.00027	2.78698	3.22144	2.81611	3.41197
XAB2	6.33746	6.41424	6.71414	6.61308	6.60163	7.12487	6.70654	6.88191	6.75235	6.60899	5.94097	6.55943	6.35326	6.69178	6.64693	6.88181
XAF1	7.28961	7.25701	8.96715	7.21344	7.43605	7.66076	7.50206	8.90713	8.22455	7.33587	7.62768	8.13492	7.72243	6.57346	7.65828	7.38342
XAGE-4	7.86813	7.98293	8.16461	7.91358	7.68663	7.93896	8.08592	8.39139	8.02825	8.15382	7.64528	8.38038	8.1831	8.32009	8.08258	8.23922
XAGE2	7.48137	6.13585	7.15001	7.29686	7.10969	7.4963	7.73373	7.60563	6.66184	7.33171	6.96496	7.61077	7.55124	7.26781	6.50845	7.19414
XAGE3	5.12745	5.72757	5.14777	3.8281	4.31232	6.06363	4.14005	4.74277	4.9172	6.0372	4.45712	3.88029	4.006	5.00109	4.52824	4.47486

XBP1	7.66179	7.99341	9.07417	8.35965	7.47457	7.93806	7.61288	8.75379	7.76581	8.6216	6.19148	8.3687	6.98991	7.55668	7.94201	6.71288
XCL1	4.87083	6.07898	4.97	6.43896	6.1275	5.10822	5.77833	5.67113	5.59	5.74348	6.27798	5.46691	6.72621	5.70304	5.8694	6.29625
XCR1	3.5404	4.61145	3.82357	4.06695	4.54584	3.65968	3.15711	4.37155	3.53071	4.39048	4.46892	4.08122	3.49866	3.70463	4.18362	4.34957
XDH	7.00686	6.61156	6.0522	6.52849	5.73754	6.23393	6.75832	7.16505	6.70654	8.36706	7.48101	6.72765	6.63119	6.15366	6.50632	6.87765
XG	5.35398	4.37397	5.51152	4.94559	6.90744	7.61008	6.88759	6.16082	4.62908	4.58244	5.62286	6.07687	7.50471	8.22037	6.83168	6.2474
XIAP	7.08193	5.97916	6.93134	7.05226	5.9832	7.11147	6.19536	5.8257	6.75996	6.82274	6.49354	6.25838	6.4034	6.98107	6.73081	6.00971
XIRP1	5.90515	4.13607	4.56226	5.71324	4.47624	4.3237	2.9333	4.75563	3.76729	3.99153	7.35747	5.06679	3.51845	4.28869	4.20556	4.04011
XIRP2	2.08404	2.10562	2.25072	2.50291	3.2065	2.15563	3.25433	2.8638	2.5663	5.90223	1.48752	2.04143	1.35312	2.13594	2.11842	3.2169
XIST	3.45111	3.75383	3.32719	7.85698	3.87456	3.45724	3.53131	3.80871	3.56819	4.026	4.06652	3.37954	7.76523	3.76651	3.60106	3.68057
XK	4.89528	4.31399	2.94797	5.14982	2.44843	4.2803	2.45415	1.86949	4.83468	5.05088	2.04035	1.54854	1.22969	1.36152	1.74155	7.63825
XKR4	5.44417	6.73794	4.05393	3.42644	6.80876	2.48692	9.77946	7.2551	5.22807	5.16393	4.07634	3.77334	3.12086	8.09997	8.24731	7.28227
XKR6	4.43638	5.07091	4.94203	4.9553	4.84921	4.33537	5.16562	4.86274	4.65451	4.54034	4.47732	4.61206	4.62754	5.50496	4.25176	4.65356
XKR7	3.64066	3.31135	3.46771	4.14041	3.64173	3.88596	3.76501	3.96044	4.00589	3.41751	3.79556	3.79654	3.47767	3.6144	3.96629	3.75027
XKR8	7.06455	7.21202	6.10632	7.23024	7.23403	6.99855	7.7952	7.39178	7.05162	6.23691	7.10858	7.57314	7.36895	6.74255	7.67544	7.76388
XKRX	6.72801	7.05539	4.17984	5.50934	4.37137	4.36427	4.6631	5.60468	6.65877	4.48984	4.18485	5.05314	5.63647	4.37922	7.08088	5.37957
XPA	8.57558	9.00415	8.60157	8.9826	8.98978	8.82316	8.3171	9.67862	9.21885	8.89445	8.98598	8.30659	8.59024	8.76878	8.55121	9.36926
XPC	8.54257	8.77123	8.55828	8.39908	8.50543	8.74446	8.13058	8.52577	8.35203	8.58419	7.83726	8.89238	8.06308	8.2823	8.38294	8.36706
XPNPEP1	7.32647	6.59699	6.49124	6.88201	7.27347	7.05818	5.63564	6.78789	7.16382	7.11823	7.49325	6.39618	6.26587	7.16167	7.43691	7.17043
XPNPEP2	2.48692	3.62346	2.26153	2.73044	3.31445	3.23532	2.62149	3.59234	3.504	3.40601	3.02185	3.95868	3.37121	3.26914	3.19822	3.04099
XPNPEP3	5.35851	4.18147	5.02259	4.49669	4.92282	4.52838	5.82161	5.12697	4.2931	5.1964	4.60697	4.43031	4.26025	4.56723	4.61825	4.66254
XPO1	9.14095	8.75288	9.29432	8.43209	8.99912	9.45518	9.69974	9.04007	9.16397	9.15245	9.10034	8.65357	8.99157	9.14677	9.09834	9.44403
XPO4	5.17003	6.68022	5.93068	6.05447	6.91814	6.15721	5.9177	6.57691	6.45561	5.62045	6.8412	5.22056	4.52512	5.85427	6.11524	6.395
XPO5	5.18154	5.11788	5.85483	5.58246	6.15488	4.9958	5.31323	5.5909	5.84343	6.03933	6.04891	6.69306	5.27776	5.52025	6.09917	5.84226
XPO6	8.4703	8.51853	8.10362	8.4383	8.17734	8.56298	7.90554	8.59959	7.96148	8.10456	8.46622	8.7622	8.26067	8.52058	8.34233	8.31951
XPO7	3.52848	4.10686	4.76131	3.89931	4.33928	4.51723	3.98066	4.89742	4.67745	3.56581	4.86718	4.11235	4.19358	3.85936	4.5797	4.71588
XPOT	8.49676	8.58123	9.08827	8.74249	9.30916	9.60844	10.2955	9.29073	9.0488	8.75379	8.79448	8.91549	9.10246	10.1887	9.5326	9.29168
XPR1	6.95361	5.54532	5.87573	5.859	6.93883	6.13152	6.39113	5.48188	5.52053	5.80686	6.30673	5.73429	5.95874	6.78398	6.87697	6.26604
XRCC1	7.77456	8.14326	7.78913	7.68134	8.27118	8.27775	8.71927	7.77095	8.18415	8.01099	7.96038	8.54622	7.69466	8.37199	7.90812	8.2853
XRCC2	7.44322	7.29055	7.28638	7.54909	7.1664	7.75205	7.10858	8.23823	7.11924	7.64769	6.77902	7.67766	6.87583	7.87248	7.0724	7.4919
XRCC3	7.41771	7.13215	7.13134	7.18163	6.62758	6.85446	6.75699	6.905	6.60777	6.90215	6.91842	6.79262	7.1777	7.49252	6.81608	6.61659
XRCC4	4.39335	4.59114	4.62341	5.03349	4.60222	4.56504	4.49302	4.22158	4.89528	4.38474	5.7065	4.2296	5.37862	4.81256	4.52625	4.58322
XRCC5	7.55529	8.09229	8.10309	8.16838	8.31666	8.23922	7.61653	7.61518	8.20591	8.03276	8.12568	7.57594	7.60782	8.35093	8.60967	8.55517
XRCC6	7.79591	7.82061	7.53221	7.79351	8.10716	7.67994	8.33456	7.8222	7.73058	7.65726	7.91573	7.30095	7.63966	8.13908	8.36277	7.9532
XRCC6B	6.0737	6.06866	6.33746	6.21609	6.04776	6.54188	6.79971	5.73429	5.66581	5.85003	6.04916	6.65613	6.33989	5.71771	5.79101	5.60374
XRN1	6.92033	7.38533	7.69819	6.29439	7.47821	6.14973	7.38369	7.12845	7.32145	6.35963	7.81725	7.11889	6.8718	6.62027	7.29617	6.93706

XRN2	3.54571	4.27298	3.62805	5.43309	5.11563	3.86925	4.05472	3.51391	3.26154	3.61563	4.57559	3.17475	4.84572	4.62999	4.02891	3.69784
XRRA1	3.83593	3.48813	2.91172	3.18813	4.54295	3.45602	4.52611	4.73152	4.2803	3.56676	4.99461	4.80009	4.17154	3.33967	3.77935	4.62158
XXYLT1	5.26934	3.55786	2.74259	2.55745	5.00713	4.38024	3.85658	3.06557	4.74411	3.18735	3.82899	4.08018	4.9034	3.42962	4.19913	5.00386
XXbac-B	5.3528	2.89801	3.34445	3.71004	5.58847	5.22596	5.23329	5.58831	4.41574	3.09196	4.64863	3.49365	3.00618	4.06652	3.4886	4.91623
XXyac-Y	5.11171	6.02133	5.47111	3.31099	5.0817	5.38506	2.78886	2.37778	2.13825	5.27076	4.63208	2.46803	3.14193	3.44975	5.21941	3.49413
XYLB	3.8951	4.06856	4.69861	4.2445	3.69577	4.31871	3.82972	4.61765	4.2285	3.81533	3.68942	3.78588	4.10961	4.2931	3.83648	3.71116
XYLT1	5.71924	5.54511	5.77903	5.46062	6.72599	6.03898	5.49051	5.99957	5.4737	6.04631	5.9606	5.60661	6.33549	5.69638	6.0156	6.38016
XYLT2	6.74281	6.07154	6.51344	6.48682	6.60444	7.06771	6.98862	6.35089	6.4778	6.7294	6.40308	5.85506	6.2845	6.02133	6.35595	6.52048
Y16709	8.96961	8.55202	9.02285	8.49565	7.89238	8.55255	10.0844	8.81879	9.7488	8.38568	8.68337	8.43657	8.90826	8.47825	8.60447	8.33334
YAE1D1	5.83426	6.01811	6.67421	6.97525	7.37333	6.99709	6.6076	5.91876	6.85143	6.95273	6.65377	5.5785	7.85403	6.86802	6.52136	7.38282
YAF2	4.52964	4.43542	3.96094	2.53901	5.66181	2.81599	5.11956	4.53252	4.49757	4.16395	5.16975	4.77186	4.93015	4.50567	4.62003	5.01785
YAP1	8.15363	7.78783	8.18148	8.26204	7.9407	8.36277	7.96917	7.85571	8.09094	8.33093	7.62638	7.48777	7.77339	6.40207	7.69763	7.43628
YARS	7.49594	6.70688	7.49457	6.82609	7.20266	7.61366	8.45757	8.23743	7.53657	7.43016	7.6948	7.56344	7.90443	8.13222	7.20528	7.20266
YARS2	7.80863	8.42097	7.60078	8.23153	9.4807	8.4102	9.11385	9.4722	8.62467	8.10258	8.14717	9.2111	8.75484	9.07205	8.94549	8.81753
YBEY	6.38062	7.30921	6.71607	7.31963	6.91249	7.25701	6.60329	6.80517	6.54303	6.54403	6.8874	7.15053	6.37833	7.53803	6.8133	6.65137
YBX1	7.81302	7.30071	7.71255	7.16436	8.1768	7.92528	7.41593	6.87804	6.44646	7.98276	8.15497	8.99157	8.67002	9.3733	8.09661	8.59531
YBX2	3.61236	3.80592	4.69108	3.90548	4.24744	3.94666	4.56093	4.94439	4.10622	3.60777	4.58758	4.77927	4.11284	4.21305	4.87602	4.00732
YBX3	5.75596	5.07937	5.08387	5.32594	6.69042	5.13936	5.88098	4.95972	5.41393	6.33808	5.66181	6.49574	7.0905	6.46753	6.06906	6.20644
YDJC	7.07983	6.59208	5.70605	6.03045	6.49429	6.55391	6.48592	6.4399	6.50689	5.932	6.8869	7.09901	7.56648	6.81487	5.42686	6.63473
YEATS2	8.01756	7.39378	8.17734	8.00027	7.3928	8.18266	8.0941	8.20748	7.97147	7.67899	7.55386	7.8222	7.46126	8.00842	8.12631	7.85776
YEATS4	7.52319	7.72752	7.45108	7.87296	9.02566	6.46938	7.88419	7.34672	7.22445	8.05054	8.5483	7.19766	7.8991	7.60767	8.49612	8.55161
YES1	7.32029	7.29669	7.59021	6.65309	8.10173	7.05342	7.93251	6.17931	7.32427	7.75805	7.51144	6.88011	7.25522	8.2345	7.86922	7.60146
YIF1A	8.58048	8.79858	8.68337	8.57525	8.18097	8.79982	8.27589	8.29317	7.90905	9.06668	8.6349	9.75827	8.67987	9.02566	8.73934	8.46204
YIF1B	6.27019	6.30585	4.98157	5.44608	4.89657	5.35608	5.13157	4.89146	5.31821	5.39763	6.23263	6.61529	5.12426	6.15008	5.09612	5.33002
YIPF1	8.20812	7.97302	7.89011	7.35585	8.05054	7.52678	7.4983	7.70723	7.84	8.22729	7.73538	7.5023	7.81268	7.58885	7.74961	7.42774
YIPF2	6.23856	6.2836	6.2833	5.88405	5.59856	5.9118	5.91616	5.84528	5.9407	7.44137	6.59083	7.33233	5.62183	6.15085	5.65805	5.80642
YIPF3	7.19551	7.75274	7.35274	7.38635	7.15152	7.5931	7.7985	7.18801	7.46824	8.13823	7.30165	7.46579	7.67728	8.02825	6.96533	7.3638
YIPF4	4.90838	5.42389	5.33068	4.9742	6.00298	5.19592	6.94208	4.53474	5.26091	5.34065	5.42482	3.66515	4.34817	4.37359	5.56655	5.63327
YIPF5	7.60702	7.73791	8.26476	7.52444	7.27186	6.97213	7.09732	5.82956	7.29287	7.98728	7.46963	7.3061	7.00217	7.28322	7.59906	7.33587
YIPF6	7.84101	7.53191	8.02883	8.09465	7.63411	7.7963	7.81934	7.64701	7.81302	8.15692	7.4292	7.47068	7.63603	7.40154	7.79314	7.64589
YJEFN3	3.44273	3.45279	3.90511	3.13915	1.88842	1.42001	4.79031	2.30474	4.09292	1.63837	3.60024	1.87757	2.10686	4.54346	1.61881	2.5569
YKT6	4.00025	4.41868	5.02637	3.8649	4.92384	4.64269	4.50434	4.72028	5.15309	4.63759	6.42388	5.03176	4.96585	5.19972	4.94318	4.9024
YLPM1	7.3888	6.62134	7.34801	7.15354	7.27221	7.3965	7.14295	7.06455	6.83474	7.0936	7.00304	6.15721	7.06297	6.8226	6.99012	6.32955
YME1L1	6.63175	6.51291	6.84053	6.73406	6.52354	6.581	6.7821	6.68524	6.82962	6.43173	6.99578	6.71337	7.02326	6.43854	6.82125	6.8278
YOD1	5.70764	6.64794	5.97145	6.33317	6.43057	5.72358	6.33858	5.69697	6.29418	6.1994	6.64591	6.06845	6.62436	6.21081	6.43385	6.32617

YPEL1	5.43984	5.25872	5.05935	4.86491	5.30066	5.51713	4.84284	4.52134	5.77268	4.17744	5.14641	5.72572	6.5016	4.382	5.28328	5.4737
YPEL2	6.55493	6.4969	7.76924	6.6374	6.43347	6.52407	6.73246	6.24911	6.24509	7.21537	6.07557	6.31191	6.13585	6.16926	6.01633	6.2531
YPEL3	6.3277	5.90489	5.37997	6.02552	5.21117	5.55165	4.10904	5.24722	6.46324	5.83766	5.68863	5.94456	5.53161	5.10681	5.62311	5.64719
YPEL4	5.62708	2.91316	5.74919	5.32271	6.35878	6.20767	5.67953	6.1571	5.3574	6.21895	6.31936	6.00619	3.17825	5.80706	5.68755	6.30203
YPEL5	9.80267	9.77946	9.29696	9.44929	9.44547	9.24484	9.31635	9.71584	10.2341	9.52327	8.76701	8.52934	9.62785	8.90826	9.56952	9.1663
YRDC	6.14455	6.8179	6.06179	6.88505	7.1117	5.44954	8.15497	6.59123	6.59885	5.59384	8.09341	7.52261	8.02925	7.11366	7.06144	7.93896
YTHDC1	5.75308	5.6952	5.8566	5.46462	5.67113	5.30102	4.68167	5.3531	5.94931	5.339	5.65267	5.21453	5.53829	5.20307	5.46554	5.48503
YTHDC2	5.11563	5.57521	6.00856	5.23211	6.01691	5.64345	6.42722	6.03276	5.96269	6.10396	6.42707	5.70687	5.8829	4.83511	5.78029	5.47752
YTHDF1	8.84034	9.14677	9.15306	8.87472	9.19844	9.69447	9.04557	9.50044	9.71027	9.19307	8.9396	8.25718	8.8532	9.10516	9.27986	8.89445
YTHDF2	9.4421	9.26978	9.71435	9.1358	10.0697	9.18918	9.51582	9.98188	9.48206	9.35033	9.29073	8.32931	9.14095	9.62785	9.98579	9.46022
YTHDF3	7.14001	7.08593	7.79231	6.87653	8.00978	7.68737	7.58117	6.53804	6.52754	6.66605	7.71496	6.88943	7.79314	7.66537	7.66179	7.45503
YTHDF3·	7.67291	6.09492	6.48515	7.28174	6.04946	5.45391	7.05363	6.56131	6.95611	5.42236	5.80858	6.77618	6.79474	6.92136	6.35116	6.79925
YWHAB	9.37708	9.49437	9.8758	9.94182	9.41517	9.96791	9.92829	9.78666	10.0472	9.24484	9.59898	9.22273	9.1851	9.48403	9.69974	8.93264
YWHAE	5.63698	5.29562	6.17309	5.22796	6.40446	6.80592	6.53281	7.25163	6.68041	7.03819	6.90589	5.9363	6.98711	5.69224	6.48148	5.83966
YWHAEI	4.39716	4.98138	6.05111	5.4365	5.02791	6.30709	5.39055	7.08593	5.16305	6.73129	5.34775	5.2156	6.61185	5.81836	5.45244	5.33875
YWHAG	9.83281	10.9679	11.4758	10.7178	11.1225	11.2207	11.712	10.8973	11.4919	11.2278	11.5015	11.0355	10.7357	10.8054	11.9903	11.5923
YWHAH	4.59162	3.99755	3.52295	5.18445	5.21096	4.7155	4.44979	4.87712	4.92065	4.55446	5.24647	4.89829	5.30756	4.72831	4.6971	4.22425
YWHAQ	10.6972	11.088	10.8485	10.617	11.4758	11.0154	11.297	11.25	11.5751	11.2633	11.3999	10.7596	11.2693	10.9849	11.4919	11.3517
YWHAZ	8.67987	9.08751	8.85906	8.57084	9.08827	9.08751	9.39515	8.95531	9.25462	9.02044	8.93431	8.72194	8.90341	9.15119	9.37829	9.20892
YY1	7.62531	7.47109	7.53803	7.54686	7.06255	7.37359	7.64677	7.17711	8.01689	7.46926	7.06794	7.55817	8.08567	7.31041	7.63497	7.70241
YY1AP1	8.64201	8.63776	8.52907	8.60967	8.45232	8.037	8.42204	8.64334	8.52934	8.00282	7.84464	8.19541	8.10309	8.27696	8.38038	8.44024
ZACN	6.71017	7.4188	7.61008	6.61191	6.1019	7.17993	5.92806	5.89446	7.17466	6.65583	6.62353	6.81125	6.51043	6.01991	6.86155	6.60444
ZADH2	5.97591	5.41589	5.82034	5.48642	6.36201	6.06816	6.19975	5.31618	6.23594	6.25598	4.97776	5.04748	5.70687	5.65707	6.42972	6.04314
ZAK	6.88354	6.82106	7.13673	7.1569	6.8423	7.01125	7.49352	6.46008	6.98472	7.33842	6.34863	7.14589	6.49883	7.392	7.17913	7.07841
ZAN	3.61646	4.09708	4.21647	3.76529	3.43558	3.90408	3.89358	3.65681	3.66815	3.77425	4.03862	3.20427	4.10658	3.85069	3.52327	3.805
ZAP70	5.72647	5.57534	6.21417	6.30924	6.22456	6.39601	5.71442	4.89182	6.18773	3.66155	7.65178	7.3888	5.17515	7.04386	5.52883	6.05111
ZAR1	5.90309	5.55753	5.63274	5.60393	5.13694	5.60018	5.09201	5.54464	6.13194	4.91813	5.47426	4.74392	5.77186	5.79136	5.70933	4.84181
ZBBX	8.62685	7.20758	2.65267	7.59679	2.53024	2.65434	1.03884	1.22235	5.46799	1.28097	0.90097	5.60425	0.86502	2.28524	2.26702	2.57571
ZBED1	6.13065	5.51152	5.8678	5.51774	5.95026	5.56771	6.46826	4.73947	5.15429	6.73522	5.58056	6.90134	5.56599	6.50752	5.8529	5.93821
ZBED2	3.0835	5.77313	5.4513	4.42279	7.39599	6.51571	3.83857	5.47546	6.089	3.49311	8.28836	6.80813	5.71666	6.71359	6.65319	5.69738
ZBED3	4.36012	5.28144	4.74373	4.79805	4.90183	6.70511	7.87951	6.69042	5.45592	6.74157	4.39682	6.19721	6.25296	8.03457	6.3909	5.76673
ZBED3-A	3.85758	3.6025	3.81013	4.15084	4.43031	3.00175	5.69771	4.73241	4.03022	3.2995	3.3535	2.79844	4.46366	4.80306	4.09906	4.69821
ZBED4	4.42897	4.62626	4.54221	5.03887	4.90131	3.85758	4.37563	3.67301	4.61122	4.28687	4.87525	4.44138	4.60972	4.47947	4.79935	5.21321
ZBED5	6.75786	6.72905	7.68075	6.39176	7.83502	7.33255	7.56707	7.38598	7.5738	7.92068	7.29733	7.65366	6.72393	6.95994	7.98356	7.3928
ZBED5-A	8.88247	8.61338	7.80984	8.70344	7.95297	7.61598	7.77899	7.85449	8.10655	8.28408	7.11301	8.15997	8.28569	7.78463	7.83449	7.71648

ZBED6	4.05603	3.64473	4.32396	4.67368	3.34999	3.89149	4.25355	4.43979	3.95025	3.74261	3.86449	3.88402	5.1713	4.86411	3.65588	3.99573
ZBED6Cl	6.8873	7.39133	7.27891	7.19145	7.25834	7.50118	7.60248	7.5199	7.01407	6.41416	7.46529	7.57994	8.08705	8.22239	7.39119	9.00286
ZBED8	6.22938	5.10307	5.82933	5.92848	5.64455	6.21688	5.74052	5.32985	6.02244	6.21634	5.22666	3.93749	6.08846	6.5958	5.954	6.2273
ZBED9	5.89078	5.89038	6.29102	5.62157	7.05884	6.79073	6.67266	6.53713	6.19456	6.63446	5.59376	5.50994	7.01023	6.68938	5.83438	6.77466
ZBP1	4.72387	4.09327	4.82868	4.43832	4.06358	3.38525	3.54873	4.10475	4.33928	3.73746	4.09892	6.51834	4.39974	4.50487	3.40102	3.364
ZBTB1	7.78404	7.65208	8.42133	7.65344	8.8213	8.15997	8.70602	8.39534	7.95572	7.47138	7.62033	7.21975	8.27821	7.71496	8.3403	8.19509
ZBTB10	5.6096	5.49394	5.96559	5.99084	6.40308	5.95685	5.95242	6.4977	5.28021	6.48183	5.57458	5.18567	6.07836	6.05243	6.54781	6.58498
ZBTB11	5.60533	5.9832	6.06141	5.67655	5.96948	6.118	6.19375	5.76654	5.76009	5.99579	6.0966	5.59813	6.28105	6.2358	6.55936	6.83902
ZBTB11-	3.64695	3.32868	3.21508	3.81937	3.9093	3.21508	2.77242	2.65953	2.41778	3.19256	4.39851	3.31564	4.53994	3.63714	4.25355	4.81597
ZBTB12	3.5501	3.16637	2.82464	2.55745	2.91487	2.27957	3.12496	3.27157	3.09248	2.80132	2.86424	3.01775	3.25147	3.34999	2.67357	2.7492
ZBTB14	6.03236	5.59996	6.23972	5.78564	6.05262	5.62492	5.38484	5.56983	5.96515	4.44111	5.68639	5.83799	5.56581	5.64301	6.69601	5.66963
ZBTB16	6.87285	4.65943	5.97254	6.59019	5.96135	6.06644	6.74566	6.13672	6.40352	6.47812	5.15565	6.51672	6.56865	4.72155	5.36321	6.32848
ZBTB17	5.80973	6.64176	6.47083	6.01609	6.19092	5.71535	6.2539	6.19751	6.10593	6.0207	6.46905	6.28124	7.5431	6.83389	6.03318	6.59326
ZBTB18	5.79149	5.65169	5.64746	7.5095	7.18918	6.71717	6.48794	6.3999	5.50806	5.63833	5.51869	6.37043	8.43072	6.52442	5.82793	6.43444
ZBTB2	6.91137	7.83323	7.85896	7.39951	7.91179	7.89962	7.29617	7.78636	7.68399	7.48683	7.46102	6.85014	7.72984	8.23823	8.19509	7.66255
ZBTB20	6.41933	5.37873	7.28911	6.81431	4.93308	6.33239	6.15232	5.74655	6.1126	6.72516	5.13421	5.74611	4.83886	5.68541	6.22172	5.41079
ZBTB20-	5.06786	5.07244	4.58744	5.27329	5.29145	6.29331	5.05601	5.97235	4.00589	4.5431	3.94748	4.90933	6.52193	5.47686	5.97378	6.57
ZBTB21	7.46505	6.94742	7.70533	7.33768	7.322	7.23363	7.41505	6.42803	6.41874	6.96135	6.90821	6.66134	7.28385	7.19188	7.64234	7.01562
ZBTB22	5.76939	5.25494	4.53653	6.06855	6.59384	6.00736	4.38384	4.74277	6.59614	5.12105	5.60733	5.44151	5.68275	4.27418	5.76368	5.32922
ZBTB24	6.21656	6.48172	6.8921	6.69167	7.91573	6.43854	7.66502	7.06749	7.03744	6.30069	6.98662	6.66494	7.15739	7.01673	6.54427	6.80111
ZBTB25	2.53024	3.84364	2.72411	3.3738	4.31232	3.67619	3.65785	4.50182	4.07916	4.11175	5.3948	2.97562	2.79294	3.39861	4.37551	3.62725
ZBTB26	6.06808	5.9431	5.62065	6.50683	6.41408	6.96017	5.37607	5.91288	6.44906	6.52859	5.88168	5.0052	5.7594	5.49973	5.55165	6.87431
ZBTB3	6.10124	5.68604	5.55932	6.51464	5.90425	6.71442	7.01098	6.64693	5.52374	4.73108	5.62065	5.59856	5.78724	5.87501	6.38946	5.67627
ZBTB32	1.64611	3.06378	3.25331	2.55745	2.1445	3.6144	3.16512	3.90071	3.22752	2.31329	6.63564	4.25792	2.62575	1.36152	2.50999	3.37025
ZBTB33	7.4571	6.75786	7.35459	6.87019	6.18247	5.76238	6.77732	6.51475	7.26183	5.67605	6.85943	5.25428	8.0157	6.21609	6.42177	6.66494
ZBTB34	7.22425	7.06652	7.71853	7.49983	7.76101	7.81636	7.82597	7.33361	7.60433	7.81773	7.46659	7.28492	7.59394	7.57583	7.66727	7.94046
ZBTB37	5.42007	5.94158	5.67035	5.84449	5.956	5.71218	6.1373	5.80782	5.75171	5.90309	5.96245	5.71141	6.08964	5.49578	5.81102	5.94857
ZBTB38	5.92825	5.5016	6.36353	6.86547	5.10272	5.82	4.97988	5.2192	5.79852	7.00837	5.83086	5.40426	4.76965	4.99435	5.68558	4.93738
ZBTB39	7.47512	7.15042	7.54578	7.58288	7.59595	7.56117	7.71915	7.76765	7.84101	7.68357	7.74052	7.87143	7.28113	7.81197	7.31648	7.86242
ZBTB4	8.1831	6.21121	7.92317	8.05925	6.70707	6.62134	5.88125	6.70376	7.05524	7.95813	7.44871	7.85449	7.09732	6.94426	8.09739	5.57918
ZBTB40	6.58645	5.65551	7.36816	6.56098	6.387	6.2802	7.05601	6.28563	6.6551	7.22538	6.1209	6.14229	6.39685	6.73659	6.74074	6.28086
ZBTB41	8.54652	8.43507	9.3348	8.2915	9.43324	8.62725	8.62877	7.52671	8.72446	8.85546	8.36919	8.53635	8.2561	7.97809	9.93225	9.46135
ZBTB42	7.59643	6.1607	5.17427	5.93903	4.73788	4.73879	4.80946	4.26669	6.69926	7.86174	7.47821	7.42977	4.6382	5.13036	5.07305	5.40583
ZBTB43	5.15653	5.21721	5.33097	6.02949	5.04878	5.83128	6.68061	5.43226	6.14411	5.30268	5.41522	5.96113	5.38864	5.82053	5.16701	5.44754
ZBTB44	6.52505	5.99968	6.49041	6.31444	6.46624	6.53064	6.24092	6.73883	6.50819	6.36554	6.07655	6.37591	5.99641	6.20181	6.32531	6.19189

ZBTB45	4.49355	4.36192	4.32841	4.28228	4.66845	4.90076	4.57777	3.91616	4.62158	4.95874	4.47514	4.8375	4.77515	4.61339	4.16067	4.89528
ZBTB46	4.95192	4.8006	4.97988	4.64211	5.79509	4.83606	5.31649	5.20337	5.10609	4.73561	4.85179	4.71759	5.2924	5.32867	5.39055	5.21236
ZBTB46-	5.0222	4.64949	6.3009	6.11348	4.18809	4.81041	5.87497	4.88503	6.42327	4.31215	5.26854	4.13105	6.2802	4.39545	4.23617	4.62412
ZBTB47	6.3757	6.26621	5.76297	5.83738	5.44882	6.48116	5.39452	5.68517	5.79337	6.30852	5.60835	5.54991	5.96577	6.26566	5.65243	5.21013
ZBTB48	6.46994	6.08983	5.84439	5.53338	6.5687	6.12326	6.09488	6.27613	6.05243	6.78049	6.31611	5.85386	5.72664	6.75488	5.79032	6.38623
ZBTB49	7.55453	6.88935	8.2438	7.50471	7.50752	7.61271	7.73741	7.24904	7.15863	7.30621	6.78314	7.59573	7.14362	7.57964	7.60727	7.56225
ZBTB5	8.70013	8.72446	8.06286	8.26406	9.51986	8.10258	7.29274	7.8991	8.38767	8.72521	7.98156	8.41589	8.45057	7.30682	8.23714	9.10897
ZBTB6	4.61264	0.89181	0.36087	0.64437	3.71929	3.71116	4.19082	5.37804	3.6792	4.66895	0.81405	4.56642	-0.2855	3.60186	3.08134	1.66002
ZBTB7A	4.66602	4.96357	5.41283	4.75769	4.62693	5.16185	5.38506	4.75221	5.05177	5.04804	4.86906	4.59445	4.98157	4.67969	4.75885	5.34643
ZBTB7B	4.25636	4.70238	3.63842	4.23422	3.46026	4.36934	3.48483	4.21854	3.5199	4.09669	3.62682	4.07722	2.41329	3.66665	3.30026	3.50071
ZBTB7C	4.48551	4.04734	3.82991	4.45196	4.36849	4.33068	4.72009	3.35168	4.0662	4.32243	2.55526	3.35439	5.25952	3.97633	4.1422	3.5533
ZBTB8A	7.29183	6.78015	7.65268	7.13054	6.95587	7.44347	7.58194	7.07983	6.66538	7.25999	6.4138	7.38968	7.45894	7.63463	7.00523	7.31112
ZBTB8B	5.99957	6.01017	6.33203	5.26993	6.07822	5.56637	5.62801	6.18589	5.62078	5.932	5.63216	6.13377	6.14424	5.41453	5.84738	5.59155
ZBTB8O	7.39219	7.87596	7.87611	7.92399	7.90087	7.32463	8.78708	8.5278	7.70474	7.49594	8.02346	7.14485	8.87234	8.25283	8.00027	8.28971
ZBTB9	6.78913	6.38771	6.47419	6.13206	6.69517	5.77015	6.52839	5.98826	6.66401	7.13022	6.489	6.52849	7.32463	6.8763	6.31502	6.17309
ZC2HC1A	6.06448	5.49021	5.03513	5.7048	5.4508	5.56418	6.57373	5.39781	6.33267	5.49559	5.57129	5.17834	5.30604	5.95902	5.65765	5.58501
ZC2HC1B	2.96659	1.49036	2.02586	4.71865	4.67688	4.48862	5.13757	4.70767	3.40648	3.86818	4.75435	4.76177	1.82475	3.91524	0.88665	2.38828
ZC2HC1C	8.01042	4.98989	4.63216	7.29628	4.05118	3.11933	4.97071	4.28482	5.01527	5.57193	4.42232	6.54516	3.65598	3.94866	4.85535	4.27004
ZC3H10	4.52011	4.81648	4.65553	5.71731	5.14611	5.03935	4.88936	5.32537	4.77076	5.39423	5.94701	5.47646	5.03697	5.21203	5.38261	5.57884
ZC3H12B	4.49472	5.0986	5.19028	5.60724	5.30361	5.65752	5.01347	5.24525	5.06996	5.46569	5.15451	5.52649	4.4881	5.59319	6.20071	5.39161
ZC3H12C	5.91087	6.00566	6.14652	5.38153	6.96411	5.45244	5.56147	6.36138	5.7854	6.62436	6.95215	6.15329	6.69812	6.1633	6.48966	6.53899
ZC3H12D	7.90074	8.95696	8.7622	8.91402	8.47782	8.81366	7.5009	8.54726	8.43237	6.57013	6.84318	7.90591	7.52261	7.09595	8.57847	7.46488
ZC3H13	6.68235	6.94188	7.19274	6.91486	7.12179	7.10488	7.5514	7.1494	7.31853	7.03987	7.61999	6.62398	6.92944	7.46102	7.5598	7.34936
ZC3H14	6.00667	5.72084	5.88635	5.95553	6.134	5.86123	6.37512	6.26313	6.42911	6.57453	5.97318	5.23264	5.88338	6.10217	6.03131	6.25329
ZC3H15	6.88989	6.2054	7.15303	7.58379	7.0576	7.30165	7.49325	6.96582	6.94086	6.43871	6.86703	7.60365	7.36993	7.19916	7.47017	8.05368
ZC3H18	6.04185	5.22148	6.51384	6.01067	6.14411	5.76275	5.9606	6.87053	5.66702	4.91999	6.10971	6.83957	5.90151	6.35206	5.97222	5.93259
ZC3H3	1.90277	4.03667	3.56473	2.74971	3.00175	3.34362	2.94917	2.4842	3.58961	4.20792	3.02948	2.47939	3.67703	3.60777	1.93478	2.60305
ZC3H4	5.38902	6.00366	6.23742	5.21296	6.30364	6.34228	6.93602	5.5234	7.12512	5.96035	6.841	4.67099	5.69601	6.12841	5.97056	5.9817
ZC3H6	7.53547	7.44574	7.25567	7.72291	7.62288	7.39988	6.43689	6.95554	7.22559	7.1569	6.35777	7.01125	7.38533	7.1565	7.55817	7.22559
ZC3H7A	6.9358	5.73937	6.84787	5.94774	6.35231	5.82281	6.90246	6.54841	6.73522	6.13014	6.94612	6.06141	7.05445	6.14618	6.74684	6.50241
ZC3H7B	5.53684	5.13261	5.07937	5.56754	5.08574	5.26588	5.50846	5.01906	5.46907	4.48662	4.95084	4.88552	5.62065	5.23713	5.26807	5.0905
ZC3H8	7.35385	6.59787	7.20098	6.96254	8.00881	7.63045	8.88035	7.21911	6.06352	6.59027	7.65632	7.31625	7.62815	8.02382	8.31951	7.71017
ZC3HAV	7.64121	8.09763	8.13158	8.11737	8.11737	8.60522	8.66491	8.83744	8.49751	7.92449	8.29871	8.2586	7.90795	8.33155	8.46182	8.48955
ZC3HAV	4.42144	6.12946	4.07403	4.32063	4.53599	6.6589	6.21558	4.2445	4.82081	3.90553	5.28791	4.87633	6.35184	3.69374	6.89645	6.83419
ZC3HC1	7.69268	8.16376	7.52678	7.86066	7.59679	8.25283	7.71742	8.36259	8.1881	7.65275	8.01856	8.2345	8.20672	8.48395	7.98708	8.35093

ZC4H2	4.55504	4.67688	4.31728	4.83468	4.98138	5.00749	4.59901	4.59074	4.78297	4.81066	4.88894	4.1332	4.62359	4.74183	4.82391	4.87039
ZCCHC1	5.80526	6.88265	6.01546	6.2675	6.38895	6.18849	6.55377	7.70306	6.08337	5.81537	7.76606	7.23832	6.2284	5.8975	6.35718	7.42526
ZCCHC1	4.65072	6.46055	5.08531	5.20073	6.94306	6.80263	4.88984	5.03535	4.68925	5.46594	5.22818	4.2061	6.34034	6.34393	4.75823	5.05935
ZCCHC1	5.23193	5.27758	5.42204	5.12105	6.16405	5.91451	5.43734	5.21149	5.72745	6.04806	4.82299	5.5785	5.80193	5.66772	5.34613	5.66046
ZCCHC1	4.74224	2.79266	3.08807	2.34348	1.97947	2.45459	1.73976	2.64349	1.87545	3.21812	2.66551	3.15604	2.46016	2.05268	4.14453	1.66002
ZCCHC1	5.25407	5.23799	5.30537	4.87172	5.25786	5.45029	5.48455	5.37077	4.95066	5.18567	5.30537	5.52677	4.71122	5.31943	5.88076	5.38475
ZCCHC1	8.15045	7.97768	8.17965	8.45605	7.12636	7.74711	7.65128	7.13673	7.55198	8.4172	7.49549	7.76606	8.10916	7.70144	7.58117	7.42093
ZCCHC1	6.64991	7.83154	7.44942	7.77017	7.55949	7.52217	6.78172	7.37319	7.42589	6.55405	7.41527	8.23823	6.73533	7.03578	7.00638	7.02877
ZCCHC2	6.57691	6.73292	7.25051	7.01614	6.52805	7.26312	7.55367	6.96795	7.31389	6.35947	6.70872	6.93247	6.6374	6.68462	6.64301	6.22548
ZCCHC2	7.36016	7.70349	8.38568	7.72559	7.1342	7.40969	6.67336	7.68328	7.52561	8.60829	7.35068	8.12724	5.31698	6.83211	7.69585	6.50774
ZCCHC3	4.48532	4.11091	4.48961	4.10106	4.23277	4.52861	4.06784	4.38674	5.37607	4.79693	4.48397	4.95106	4.74803	5.22765	4.63911	4.72787
ZCCHC4	5.42739	5.51802	5.19496	5.27193	5.85707	5.81029	6.33896	6.54916	5.3347	5.41589	6.06247	5.80121	6.33835	6.30391	6.06337	5.64679
ZCCHC5	7.04386	6.01017	3.99755	5.54883	3.73118	4.98736	6.34043	6.89264	6.60342	3.50939	6.60834	6.60482	6.70155	6.42945	6.56768	6.70707
ZCCHC6	5.79118	6.07956	6.18578	6.19263	5.8311	6.39124	6.23742	6.13102	6.40096	5.91892	6.04185	6.35743	5.82908	5.77227	5.87081	6.11019
ZCCHC7	6.68135	6.80131	7.41816	6.78245	6.88201	6.8334	6.45376	6.84536	6.70042	7.02866	6.70411	6.3741	6.47043	6.36684	6.53264	7.18953
ZCCHC8	7.96455	7.34542	7.92662	7.88149	8.10408	7.90591	7.70349	7.96656	7.21975	5.36112	7.78725	6.51419	7.53221	7.23624	7.83799	7.42325
ZCCHC9	8.33571	8.4612	8.75288	8.80058	8.45605	8.79695	8.23238	8.71838	8.60967	8.68947	8.61181	8.92733	8.39691	8.77241	9.03764	9.04007
ZCRB1	8.19792	8.44731	8.17211	9.06301	8.63277	8.75771	9.36648	8.97832	8.47096	7.97957	8.08808	7.95572	8.99832	9.21594	8.92659	8.5278
ZCWPW1	7.64917	6.89374	5.68679	6.67683	6.60899	6.30648	5.90151	6.29559	5.66603	6.25904	6.58066	6.06598	6.6295	5.82766	6.96438	6.82071
ZCWPW2	5.82837	5.16539	5.81566	5.44477	5.05393	5.39469	5.59967	5.06322	5.39807	5.2535	4.93717	4.99814	5.37108	5.04615	5.66921	5.72006
ZDBF2	5.73217	5.95042	6.29572	6.65525	7.9568	6.40779	6.59019	5.6453	6.38787	6.36658	5.38391	5.74693	6.87804	6.24247	7.26403	6.39528
ZDHHC1	5.64281	5.05901	3.41422	2.44104	3.64695	3.71942	3.65286	3.87618	3.5613	3.62805	4.27206	4.32004	3.70822	4.24836	3.63634	4.45311
ZDHHC1	8.30299	5.32827	7.17978	7.42962	6.9667	7.21144	7.43046	6.36903	6.38087	6.815	6.06626	6.75482	4.64622	6.06328	6.45428	6.78628
ZDHHC1	6.84701	7.63934	4.44939	4.86331	4.4943	6.15904	3.65785	3.99573	4.33436	6.36458	7.24715	6.7568	5.78934	5.22492	4.14967	6.80461
ZDHHC1	7.66822	7.2057	6.91121	6.64035	7.08078	6.68292	6.93962	6.72621	6.98515	6.68677	6.93706	6.77933	6.03089	6.78087	7.07424	7.41136
ZDHHC1	4.61634	4.00373	4.03638	4.57197	3.84816	4.23968	4.56534	4.47947	3.61736	3.22488	4.55883	4.49797	4.30752	4.19812	4.70968	5.43532
ZDHHC1	4.75238	3.81549	5.24859	5.49584	4.18809	5.16691	4.63503	5.59425	5.29959	5.32454	4.08209	5.51444	4.5431	4.46371	4.41729	5.42665
ZDHHC1	8.06352	8.10743	7.58523	7.3192	7.29816	8.53091	7.66395	8.73274	8.10408	8.39725	8.15305	8.35733	8.23656	9.0707	8.12853	7.96005
ZDHHC1	6.13713	6.32112	7.01379	5.72382	6.10535	6.41254	5.94974	5.18024	5.73328	6.57151	6.10182	6.13014	5.69841	6.21767	6.19482	6.47731
ZDHHC1	5.58885	4.74007	4.77355	5.15109	4.52549	4.96966	5.21937	4.68745	4.52387	4.43705	4.8729	5.39469	4.6673	5.42221	4.82236	4.41214
ZDHHC1	3.66246	4.39851	4.88092	4.40807	4.44748	4.383	4.60892	4.63315	4.23009	4.467	4.43096	3.95155	4.35178	3.88359	4.02106	4.73261
ZDHHC2	6.62218	6.76142	7.21742	6.34408	6.81587	6.45781	7.78878	6.36248	6.47005	6.20362	6.02858	5.94337	5.64719	6.66101	6.00684	6.46826
ZDHHC2	6.95215	6.49752	7.27934	7.26885	7.49156	6.73214	7.93806	7.32741	7.17104	7.1371	7.54447	6.74019	6.91987	7.34076	7.34402	7.18473
ZDHHC2	4.8435	4.88247	5.2845	4.2359	5.14674	4.65837	4.55018	5.22796	4.99475	5.17686	5.363	4.98157	4.51021	4.73788	4.17234	5.25141
ZDHHC2	4.78664	4.72556	5.09621	4.70432	4.76569	4.96159	5.03513	5.2229	4.85914	4.98767	4.63899	4.57572	4.95395	4.67394	4.83993	5.1163

ZDHHC2	7.48493	7.57891	7.62491	7.12799	6.68426	6.45718	7.75362	7.5749	7.47582	7.12136	6.77414	6.42316	6.96357	7.8025	6.82917	7.85122
ZDHHC2	5.78611	5.90297	5.03387	4.8611	5.5234	6.60053	5.83323	5.08194	6.39685	5.88826	7.28741	6.98315	6.70089	5.30569	4.63799	5.28498
ZDHHC3	6.51066	6.87285	6.32977	6.84758	7.1559	7.06551	6.71173	7.09026	6.28271	6.87563	6.80802	6.97383	6.74484	6.49752	6.8319	7.21144
ZDHHC4	6.87241	6.7566	6.69561	6.09131	7.05818	6.39528	4.07003	4.71736	6.74871	7.45485	6.60577	6.76871	6.30626	6.79447	6.17699	7.45485
ZDHHC5	7.9697	7.14421	7.8444	6.74102	6.71983	7.33347	7.29026	6.44728	6.74754	7.71102	7.45812	7.51009	6.34748	7.75071	7.10353	6.75934
ZDHHC6	8.39449	8.42344	8.25306	7.95543	8.13992	8.42412	7.30469	9.09448	8.4084	8.76383	8.62725	8.38627	8.03371	7.90554	8.27357	8.20468
ZDHHC7	9.08563	9.29509	9.00702	8.74814	9.24769	8.68694	8.75206	8.97179	9.01679	9.22763	8.69882	9.22028	8.80992	9.01581	9.12152	8.67187
ZDHHC8	5.42135	5.00322	5.61631	5.37776	5.15199	5.90626	5.93291	5.67169	5.84579	5.31683	5.37062	6.18119	5.53637	5.54615	5.53539	5.11608
ZDHHC8	2.34348	3.12278	1.73976	1.50761	1.69898	2.58692	4.19082	2.55884	2.76258	1.63837	2.13586	1.54854	3.16183	2.77311	1.74155	1.66002
ZDHHC9	3.95509	4.84399	4.02254	3.64739	3.82524	4.06814	4.2123	3.78181	4.62999	4.61234	4.25775	4.75008	3.40883	4.59297	3.78588	4.13266
ZEB1-AS	6.60839	6.28889	5.85894	6.24835	6.04946	5.65893	6.76622	6.01489	6.01115	5.541	6.13206	5.68015	5.9848	6.39959	6.2296	6.76613
ZEB2	3.77425	5.11379	5.49937	5.3987	4.94152	5.09101	4.49377	4.73894	5.86299	4.37703	6.0522	4.53474	5.18934	3.66697	5.49685	5.2126
ZER1	5.93216	6.0757	5.56894	5.92734	5.38754	5.41338	4.92321	5.43333	5.31202	5.94871	6.09786	5.63112	5.68755	5.37627	5.50593	5.81705
ZFAND1	7.85291	8.28971	8.93094	8.36439	8.63946	8.59625	9.05769	8.91477	8.46025	9.20565	8.40618	8.35018	9.36057	8.76808	9.02455	9.37829
ZFAND2.	8.66383	8.93763	8.69522	8.65141	8.58812	8.48329	8.99254	9.16038	8.61552	9.12925	8.46973	8.80295	8.69194	8.79405	8.28645	9.16731
ZFAND2	7.07198	7.7961	6.72166	7.36846	6.72349	7.1053	6.50096	7.67813	7.73683	7.76072	7.29064	7.69278	7.52074	6.68013	7.25795	7.64286
ZFAND3	6.51534	6.8718	5.89465	6.24025	6.73309	6.40621	6.83112	6.85903	5.98501	6.60609	6.61839	6.05051	6.98952	6.85663	6.42215	6.72473
ZFAND4	5.76	5.69813	4.88861	3.94138	5.65081	5.75483	5.62501	5.81194	5.24694	3.99526	4.79653	5.21149	4.25853	5.21642	5.22866	5.21072
ZFAND5	5.77492	6.30993	6.88076	6.40266	7.03353	6.5764	7.1396	6.85775	7.25662	6.03898	6.73883	6.59605	7.23093	6.99217	6.89505	7.30433
ZFAND6	7.74052	8.02346	8.32579	8.39116	7.34333	7.31755	8.54987	7.29639	7.52405	7.55265	7.79072	7.11276	7.89596	7.04836	7.59959	8.87358
ZFAS1	8.59875	9.06609	8.68099	9.03131	9.58716	9.88096	10.0552	9.82582	8.74983	8.81879	8.85546	8.57221	9.19438	10.3679	9.35829	9.64884
ZFAT	4.48312	4.76112	4.63216	4.6811	6.07446	6.31543	6.43019	6.37566	6.57832	4.49669	5.85558	6.8537	6.00448	7.09873	6.60061	3.82879
ZFC3H1	5.43626	4.07056	4.22631	4.46646	4.3268	4.49983	4.44608	4.648	5.08	4.68296	6.03933	3.89358	5.29518	5.05043	4.13479	4.43372
ZFHX2	7.11435	6.53152	5.61166	7.20937	6.24346	6.36534	7.16866	7.17259	5.79101	6.85101	6.40446	6.80033	6.94457	6.05262	6.93418	7.15615
ZFHX3	4.81676	4.52838	4.09191	4.19674	4.1934	4.81824	4.15843	3.88045	3.70267	4.45148	4.35656	3.57557	3.98497	4.0065	4.73627	4.20135
ZFHX4	4.39818	4.76339	5.36209	3.6454	4.10052	4.28945	3.59587	3.24115	4.90131	4.06073	4.80498	4.52625	4.07403	5.03761	5.06187	5.08232
ZFHX4-A	3.54256	4.90967	3.17184	4.20714	4.15496	2.38686	5.12847	4.95287	3.85196	4.30395	4.29414	4.66241	5.66502	4.18447	4.17667	4.67994
ZFP1	3.36074	3.78217	5.19085	3.97356	5.03068	4.02201	4.90466	4.29394	4.31641	3.93793	5.22028	5.19266	5.16507	5.2229	4.41965	5.10172
ZFP14	5.62378	6.0682	6.33645	5.67285	6.06196	6.33191	5.68623	6.29666	6.24391	6.74858	5.51451	5.71898	5.34576	6.02828	6.18347	5.91883
ZFP2	2.04089	2.04582	1.19537	2.45536	3.6922	2.53476	3.39293	2.61382	2.64558	1.96807	3.63292	2.38821	2.68899	2.05268	2.70965	3.01871
ZFP28	4.90609	4.65137	4.55465	4.59778	4.88684	4.01284	3.88656	4.84543	4.38541	4.69821	4.59647	4.52793	4.28339	4.56297	4.37886	4.25396
ZFP3	7.7017	7.30682	7.23263	7.4535	7.59004	7.69724	6.93763	6.75648	6.54628	6.78707	4.14261	4.45556	6.02949	7.23377	7.30538	6.59011
ZFP30	6.15156	5.95677	5.93474	5.25444	6.78466	6.72801	6.8991	5.22858	5.06242	5.53587	4.73761	4.30571	5.74166	6.62814	5.46774	6.27334
ZFP36	7.83761	7.69319	7.6371	7.63737	6.14314	7.38616	6.8133	8.02161	8.8123	7.80492	8.60404	8.01193	5.97667	5.80121	6.76859	6.18379
ZFP36L1	5.80222	5.94721	5.54441	5.97716	5.69861	5.98373	4.73321	5.56396	5.43557	5.79626	5.93713	5.55712	5.4315	5.33204	4.9692	5.88152

ZFP36L2	6.28188	6.13169	6.30604	5.53096	6.01651	5.84468	5.9645	5.53595	5.66107	6.34341	5.34118	5.56083	5.29126	5.45391	5.53494	5.51248
ZFP37	4.96737	5.62589	6.35611	6.78477	6.3009	7.05207	6.78871	6.19397	6.13111	7.45765	6.24286	6.09694	6.68791	5.12503	5.95988	6.43737
ZFP41	6.03295	5.86223	5.69362	5.72103	5.9645	6.20022	6.22059	6.34408	5.61959	5.39225	5.19111	4.84997	6.08731	5.99062	6.03011	5.90589
ZFP42	4.18876	4.58758	4.63799	4.5453	4.42419	4.46753	4.35456	5.01511	3.99949	4.71089	4.77905	3.6899	4.50567	2.97958	4.51165	4.19574
ZFP57	3.9591	3.13884	4.18506	3.28542	3.26091	3.37812	2.96225	4.17171	3.91489	2.93344	3.23213	3.55262	3.42036	3.3814	3.56833	3.20278
ZFP62	8.66602	8.55828	9.03764	8.89556	9.09551	9.51986	9.21392	9.3245	9.15916	8.8897	8.36242	8.97278	8.84133	9.23884	9.08563	8.92921
ZFP64	6.12342	6.51033	6.52623	6.46888	6.32323	6.52664	7.00926	7.01656	6.60922	5.91698	6.44513	6.68558	6.89428	6.86192	6.61987	7.07804
ZFP69	3.78698	3.21812	3.07458	5.49937	5.69349	5.17449	6.08549	4.77096	3.79382	3.02948	5.52538	6.01474	5.55954	5.17042	5.72807	6.35947
ZFP69B	2.00108	4.91088	4.89082	5.12105	5.62008	4.3562	5.40905	3.81494	5.33269	4.17211	4.94764	4.58543	4.60738	4.21305	5.28144	4.90169
ZFP82	6.29282	6.4737	5.95336	6.27109	6.37201	5.48353	4.85998	6.61987	6.27509	5.93103	5.65251	5.70887	6.6685	5.30337	6.29087	6.13872
ZFP90	6.19796	6.35836	5.76467	6.77496	5.3451	5.8311	5.66269	5.49629	6.05574	6.65003	5.45895	6.64671	6.4969	5.9177	6.15139	5.85707
ZFP91	7.25116	7.83502	8.03646	8.10604	7.5193	8.1768	7.67515	8.04991	7.51379	7.90554	7.34542	7.0773	7.48235	7.81268	7.23538	7.48908
ZFP92	5.10345	5.5046	6.64108	6.44417	6.83787	7.18404	6.17352	7.67469	6.34674	6.42921	6.83665	7.2897	6.02574	5.47358	6.63787	6.75745
ZFPL1	4.69357	4.77306	4.7199	4.04793	3.87518	4.37665	5.26406	3.95338	3.85069	4.30792	3.62589	3.95757	4.29377	5.16886	3.6392	3.59527
ZFPM1	5.73904	5.60374	5.47715	5.39911	5.30223	5.47541	5.70807	4.574	4.49404	5.71634	4.79407	5.43118	4.85602	5.27954	4.39858	5.49356
ZFPM2	2.37329	2.26456	5.29126	5.78328	5.09517	3.18781	2.27576	2.23712	5.00335	3.3263	3.68444	2.36593	2.46016	2.37224	2.43868	2.61375
ZFR	6.44533	5.52025	6.3794	5.82698	5.84754	5.97943	6.87868	5.61082	5.86075	5.92215	6.36119	5.40591	6.17652	6.53487	6.14133	6.56859
ZFR2	4.81112	5.78705	5.30178	5.54732	5.74089	5.01008	5.46907	5.42842	4.58951	5.93145	4.68824	5.9455	5.33258	5.72213	4.73108	5.49837
ZFX	6.51789	6.66563	6.98163	6.95773	7.13034	6.90468	7.29931	6.91856	6.8071	6.39759	6.70141	6.31343	7.3786	6.33025	7.20038	6.85804
ZFY	5.86875	5.76312	5.31887	3.27608	7.06373	6.37758	6.97341	6.49857	6.17762	5.30945	6.27623	5.31293	3.0606	6.09093	5.82205	7.01906
ZFYVE1	5.96269	5.9455	6.11906	6.16959	6.13977	6.95695	5.93259	6.90878	6.4299	6.23263	7.37425	6.45247	7.37495	6.79214	6.26164	6.84293
ZFYVE1(	5.42632	5.4895	5.06585	5.44301	5.27487	5.07665	5.80222	6.01309	4.71816	5.78435	5.50058	4.63899	5.55777	4.05376	4.58478	4.69181
ZFYVE1!	7.05317	6.51855	6.08625	5.80702	6.37844	7.09069	7.05429	5.3347	6.88935	6.89597	7.22499	7.28797	6.97236	7.52143	5.89474	7.29391
ZFYVE2(	7.00403	7.19639	7.3443	7.0773	7.08341	7.33445	7.05573	7.51709	7.26072	6.9705	6.97383	7.06708	6.65267	6.99315	6.74227	7.11405
ZFYVE2!	8.30721	8.32646	7.98651	7.92906	7.24167	7.44712	7.02115	7.5475	7.76017	8.49143	7.96786	7.9976	7.88396	6.77644	7.09252	7.85571
ZFYVE2(	7.20587	7.57707	7.77899	7.39133	7.93589	7.26814	7.22511	8.49271	7.69211	7.23122	7.54638	7.91573	7.65946	7.29896	7.62466	7.37469
ZFYVE2!	7.77539	8.39851	8.4721	7.54102	7.15506	8.29749	8.11503	7.60782	8.03823	7.83583	7.93978	7.79491	7.30308	8.08728	7.84625	7.80351
ZFYVE2!	3.81454	4.18064	3.61885	3.41869	4.00676	3.8889	2.95065	3.44162	4.42829	3.68775	3.81401	4.24792	3.29232	3.06604	3.6792	4.19812
ZFYVE9	5.52733	5.34775	4.61206	4.64638	4.96826	5.52221	5.17515	4.96072	5.95281	5.14762	4.79626	6.13485	5.10092	4.96752	5.29354	6.11248
ZG16	3.75698	3.99662	4.27028	5.03262	5.10681	4.54584	3.55696	4.62117	3.38569	5.41838	3.96629	3.22488	4.78966	1.78331	4.67557	6.51402
ZG16B	11.8584	9.4807	10.0123	8.91676	7.32463	7.26586	6.78871	7.39759	7.84852	13.0559	6.53673	7.59765	6.37347	7.7389	6.94374	7.81127
ZGLP1	6.57865	4.98009	5.75961	4.91782	4.68071	4.4107	6.54028	6.02598	6.12451	4.19403	4.57021	5.33379	5.54936	4.20074	5.68156	4.94079
ZGPAT	7.31093	7.28099	7.2883	7.28682	5.62849	6.42092	6.93269	6.82267	7.00541	6.79978	7.68995	7.54095	5.6564	6.77986	5.08582	6.12758
ZGRF1	5.0651	5.14257	5.67455	4.70708	5.37172	4.53425	5.17108	5.56147	5.72177	5.84505	5.22723	6.16037	5.2742	5.54645	5.25952	5.55712
ZHX1	7.83406	7.50206	7.5369	7.23209	7.77814	6.98163	7.32884	7.28741	7.39935	7.17804	7.8597	5.28039	6.8648	7.53761	6.76563	6.76714

ZHX1-C8	7.01477	6.99729	7.06749	5.96999	7.0964	6.74484	7.57551	7.33998	6.30147	6.42492	6.35836	6.83752	7.26403	7.34682	7.08431	7.13062
ZHX2	7.03405	6.8266	7.19246	7.35478	7.59076	8.01606	8.02205	7.60365	7.94585	6.60354	6.28793	7.236	7.00009	7.76334	7.27143	7.20682
ZHX3	5.47715	5.48386	5.71634	5.31739	5.01347	5.29269	4.99785	5.45744	5.39292	5.5734	5.06051	5.26934	5.3021	5.1385	5.14354	5.33553
ZIC1	3.31615	4.33201	4.63984	4.69793	4.37538	5.0271	3.74192	4.72363	4.67307	3.818	4.30438	5.117	3.76722	4.69482	3.92493	4.01369
ZIC2	3.50034	2.29438	6.79971	6.25931	8.37315	9.7947	7.96091	7.11951	8.07647	3.74711	6.4751	6.92974	7.57707	7.64142	9.61651	8.85744
ZIC3	5.40753	6.49942	6.51534	6.62442	6.60593	6.42309	6.65474	6.92888	6.22672	6.38992	6.26114	6.84871	6.32323	6.54092	6.62792	6.30203
ZIC4	3.86842	4.48301	3.86774	3.48036	3.75766	4.86187	4.48882	4.81824	4.92218	4.60347	5.37151	5.28718	4.71816	4.43996	4.86718	4.78492
ZIC5	5.38177	5.58778	3.6244	3.90548	4.51886	2.86136	3.2194	5.28095	5.23193	3.31009	5.37249	4.9875	5.33097	3.95895	4.62482	4.35788
ZIK1	5.45177	4.15423	5.38706	5.32165	5.70415	5.27065	4.90439	5.71084	4.66895	5.18	4.63389	5.16648	5.28882	5.89719	5.0241	5.02507
ZIM3	1.0625	1.16965	1.09002	1.444	1.11444	2.21366	1.24246	2.04007	3.75611	1.15042	1.91586	1.31925	1.4697	3.66246	1.08679	1.27255
ZKSCAN	6.92337	6.02475	6.86192	6.07446	6.4899	6.52429	6.08074	5.83789	6.31746	6.98315	5.43465	5.25551	5.95126	7.03614	6.59123	6.14992
ZKSCAN	5.15926	4.52298	3.55141	4.09184	6.54256	4.33243	6.13608	6.20535	5.039	3.75611	5.59779	5.68623	5.49284	4.369	6.29639	6.0088
ZKSCAN	4.70968	5.96919	5.92122	5.29777	6.2833	6.01577	5.93792	5.63956	5.98732	5.64428	5.73609	5.43734	6.17076	5.99319	5.99529	5.95579
ZKSCAN	6.71414	7.43769	7.39475	7.10725	7.77298	7.28867	7.33219	8.14909	7.40742	7.15518	6.72058	7.71422	7.26605	7.37708	7.52498	7.57583
ZKSCAN	6.87912	7.20323	6.77618	7.01044	7.38443	6.87735	7.33981	7.39608	7.10697	6.86587	7.14295	7.18371	7.36657	7.08361	7.81677	7.48719
ZKSCAN	5.27065	5.37997	5.77758	4.92944	5.69663	6.02146	5.35382	5.94789	6.03354	5.40673	5.85631	5.33582	5.07061	5.42798	6.2395	5.50408
ZKSCAN	4.02452	5.44837	5.46554	3.69448	5.10586	5.78159	4.37724	4.7897	4.23617	4.24728	5.46851	4.35267	5.25573	4.78492	4.45735	5.03715
ZMAT1	5.77673	4.49326	6.16792	6.24943	5.19512	6.10768	6.35309	5.5426	6.03942	5.96919	5.32945	5.65486	5.02308	4.26674	5.26165	5.58425
ZMAT2	9.4807	9.21661	9.03623	9.4889	8.67112	9.69292	8.49504	8.74609	9.77064	9.12731	9.09246	8.80719	8.94751	9.14361	8.81129	8.79617
ZMAT3	6.13804	6.59719	6.60701	6.08317	6.66101	6.78183	5.5025	5.58578	6.38192	8.02346	6.37561	6.0697	5.61798	6.43998	6.42365	5.53472
ZMAT4	5.54724	3.93361	3.0093	4.52648	6.31957	4.66791	4.38384	3.47335	2.43603	3.21812	4.21854	3.46371	5.56267	3.16811	2.39175	5.13703
ZMAT5	6.33746	5.65446	3.85578	5.42787	5.60769	4.72201	3.93793	4.02048	4.50459	4.77797	5.48925	5.69822	4.84193	6.5958	5.4377	6.14635
ZMIZ1	6.41137	6.14424	6.66349	6.62353	5.65907	6.45463	5.71345	7.05101	6.1194	6.27307	6.02751	6.32423	5.82837	5.72497	5.83799	6.18943
ZMIZ1-A	6.53487	5.79497	4.2003	5.02046	5.35492	3.93664	6.87781	6.387	5.91964	4.15112	5.33157	3.42733	6.11072	6.57677	6.31173	4.4838
ZMIZ2	7.327	7.19222	7.18007	6.47253	7.25567	7.16382	7.89821	7.23063	7.41505	7.04529	6.42215	6.8352	6.91606	8.10362	7.059	7.22695
ZMPSTE	9.64884	9.54637	9.63286	9.16084	9.66911	9.4206	9.46719	9.29827	9.98406	10.1153	9.76458	9.10357	9.66114	8.58691	9.6665	9.36596
ZMYM1	6.02659	6.62481	6.49499	5.3149	7.1641	5.85906	6.89597	6.16296	6.78049	5.92053	6.97441	6.12918	6.97577	5.92496	6.67266	6.5943
ZMYM2	4.65737	4.95945	5.05229	5.48699	5.40792	5.69697	6.55559	4.96737	5.03287	4.88123	5.20172	4.84933	4.26797	5.74785	5.14196	5.25974
ZMYM3	7.28595	7.68776	6.9514	7.3706	7.5276	7.68599	7.41725	7.80556	7.73862	7.53886	7.33233	8.09661	7.23363	7.49911	7.40328	7.21373
ZMYM4	7.52046	7.39069	7.8312	7.22925	8.04588	7.09448	7.17711	7.60851	7.40581	7.86511	6.98738	7.44259	7.19373	7.28781	7.65632	7.33163
ZMYM5	5.18567	4.72447	5.10935	4.75618	4.98232	4.41965	5.38601	4.94719	4.68339	4.53186	5.19221	4.94808	4.45498	4.62508	4.65754	4.97749
ZMYM6	4.87799	5.4486	5.26675	5.16028	5.30442	5.07178	5.18381	5.51275	5.5131	4.99899	5.39594	5.85003	5.35185	5.52649	5.53424	5.12406
ZMYND1	8.32463	5.73768	4.30115	7.09223	4.15084	3.9949	3.66697	4.38917	5.62444	4.46077	5.31293	6.96636	5.38724	4.56051	4.75295	4.07228
ZMYND1	4.31918	4.95609	3.93967	3.84385	4.41114	4.2082	4.13729	4.10334	4.52964	4.59056	4.69821	4.70745	4.58067	4.31127	5.21738	4.03747
ZMYND1	8.56201	7.79439	6.26147	7.78895	6.38544	5.78878	6.1846	6.33978	6.54488	6.32107	5.86557	6.29645	6.24425	6.32063	6.07822	6.16152

ZMYND1	3.47335	2.55772	1.97795	2.25844	2.42207	3.44117	1.32308	1.51119	3.79382	2.15841	2.77081	4.20427	1.63986	1.5436	2.43868	1.51008
ZMYND1	6.91366	7.29391	6.94714	6.95493	6.64757	5.17093	6.61966	6.45975	6.45026	6.68077	6.34224	8.13908	7.43691	7.36509	6.66985	7.88964
ZMYND8	6.22235	6.71402	6.98458	6.37431	6.38914	6.35534	6.48455	6.59491	6.16109	6.38452	6.17407	6.25208	5.7905	6.84575	6.64633	5.914
ZNF10	6.59293	6.14183	6.34657	5.52307	7.23538	6.41991	6.34726	6.54303	6.25751	6.96017	5.31988	6.49308	6.86669	6.86618	6.63624	6.62173
ZNF100	5.21272	5.49063	4.78915	6.12383	5.92409	5.91704	5.54226	5.50962	5.1046	4.93233	6.36616	5.56798	6.26398	5.38794	6.01209	6.29935
ZNF101	6.40133	7.3786	6.79912	7.16929	7.59765	7.02396	6.77618	7.45961	7.03798	5.68425	7.27394	6.76694	6.42177	5.57585	6.89966	6.95493
ZNF106	8.15803	7.19897	7.91133	7.90401	7.25372	7.24216	6.3443	6.25955	7.06915	7.81334	6.84693	7.47017	6.4954	7.02669	7.08736	7.22488
ZNF107	6.41372	6.68978	6.82203	6.29463	7.20587	6.17068	7.26291	6.63574	6.43854	6.53649	6.69495	6.16396	6.83716	5.57613	7.05041	6.32149
ZNF112	6.91688	6.49089	6.95493	7.05329	8.08107	7.52678	8.38943	6.74459	6.50907	7.03639	5.972	7.09434	7.55185	7.13203	8.01856	7.7621
ZNF114	2.02496	2.58362	2.53152	2.16738	2.48854	1.71277	2.65667	2.85371	1.92414	2.73163	4.52704	2.21405	2.65281	2.5321	3.28495	1.83336
ZNF117	3.69815	5.04437	5.32208	4.23209	5.37219	4.43542	5.90202	3.9922	4.9742	4.09469	4.33979	3.58582	4.87977	4.68296	6.4479	6.2291
ZNF12	6.19425	6.26698	6.63846	6.45401	5.9363	6.8423	6.69435	6.17178	6.97964	6.45189	6.03567	6.34299	6.33183	6.61541	6.68251	6.67121
ZNF121	8.65107	8.60332	8.82696	8.62855	10.2856	9.28845	10.4698	9.59537	8.45424	8.98332	8.98405	7.71017	9.30638	9.68239	9.58421	9.39322
ZNF124	5.70887	6.24442	6.08718	6.08337	7.18439	6.35436	4.822	5.87008	6.2833	4.95791	5.93839	5.91698	7.07467	6.3353	6.37561	6.87418
ZNF132	4.8012	3.06378	3.07458	5.09667	5.94464	3.45096	4.14005	5.83208	5.52164	5.15403	5.02998	5.32479	4.65932	2.57571	4.40873	4.51207
ZNF133	7.68215	7.74315	8.01756	7.69174	7.55068	7.93941	7.81359	7.97691	8.00978	7.97893	7.36722	7.82492	7.50417	7.9532	7.49457	7.65498
ZNF134	6.45822	6.79573	6.71524	6.92489	7.18865	6.22008	6.63184	6.38441	6.92337	6.73025	6.42656	6.99578	6.67853	6.57417	7.09489	6.19705
ZNF135	3.78071	4.00025	4.66647	4.01168	6.21493	4.3118	3.44995	4.9891	4.4442	4.2476	4.58043	3.82047	3.80054	3.96416	4.73694	4.35456
ZNF136	7.52113	6.6849	7.57707	7.06472	6.56076	6.88035	7.07869	6.64457	7.31941	7.1743	6.10768	6.73122	7.06945	7.02816	6.51521	7.30509
ZNF137P	6.20767	6.48301	6.41548	6.61308	6.51815	6.489	5.63452	6.34748	5.79184	6.00788	5.45613	2.31832	5.95982	4.93015	6.38003	5.78564
ZNF138	4.18908	4.23521	4.5785	4.18663	5.14549	4.59823	4.78736	4.47486	4.12088	4.1861	4.78407	3.44785	4.39215	4.42491	5.38276	5.18766
ZNF14	7.24855	7.49784	7.31075	7.66014	7.25522	7.96232	7.61541	7.70241	7.51009	7.11651	6.97745	7.65039	7.57594	6.63574	6.9154	7.51898
ZNF140	5.76629	6.6686	6.78137	5.3524	8.23238	7.00926	5.80316	5.61655	6.82648	6.68938	5.91445	5.55865	7.20013	6.96211	7.06726	6.0757
ZNF141	4.3131	5.06381	4.48301	4.46375	5.6823	6.07244	5.74275	4.98727	4.52222	5.39781	5.04939	5.49803	5.09584	5.56983	6.14076	5.03997
ZNF142	4.72363	5.21236	6.75832	5.95527	6.76425	6.44343	6.00906	6.57028	6.66494	5.16276	6.62078	6.72905	5.90756	6.64741	6.58522	6.42904
ZNF143	7.4773	7.85698	7.87581	7.8378	7.81112	7.67333	7.93282	8.25013	7.55633	7.34834	7.86466	8.07686	8.00512	7.72426	8.15094	8.05665
ZNF146	6.12371	6.87275	6.77216	7.15768	7.49983	7.30509	6.70223	7.55198	7.00437	5.58111	6.91774	7.36343	5.94774	6.96272	7.01893	6.25151
ZNF148	6.34657	6.69284	6.63803	6.53612	6.15596	6.71173	6.90659	6.14565	6.72516	6.70987	6.31537	6.30626	6.3843	6.41202	6.72233	6.34789
ZNF154	4.72849	5.1248	5.50045	5.33567	5.32334	5.49311	4.64035	5.68798	4.96412	5.82603	3.87668	6.09694	3.91647	5.83348	4.88909	5.18256
ZNF155	3.9591	6.03648	5.72892	6.36484	6.77897	6.44212	6.6267	6.9154	5.3948	5.91555	6.00277	6.30769	6.16413	5.02586	6.11992	6.2462
ZNF157	4.58086	4.86753	4.10455	4.64889	4.42161	4.0466	4.3989	5.02351	4.28137	4.80682	4.89126	3.80634	3.68721	4.47605	4.76672	4.94543
ZNF16	6.83449	6.53252	6.01704	6.73228	7.09158	6.77226	7.50897	7.00217	7.16605	6.92044	6.64693	6.77902	6.71024	7.24953	7.04081	7.30333
ZNF160	5.07913	6.16838	6.26834	6.35285	6.15976	5.93291	6.62746	6.3204	6.27095	6.28755	5.96464	5.88749	6.07584	6.26834	6.11067	5.9431
ZNF165	5.97437	5.40753	3.85578	5.72745	5.69186	4.53233	7.45153	6.34438	5.09913	5.16701	4.89326	3.81618	6.05071	6.42295	5.24846	5.36023
ZNF169	5.39469	5.6459	5.32899	4.92034	5.0435	5.2242	5.22391	5.48909	5.15827	5.67487	5.38032	5.92501	4.37224	5.77843	5.04804	5.40124

ZNF17	3.65314	4.37359	3.70116	4.43372	5.7048	5.02145	4.29893	4.88123	4.33825	4.45895	5.42546	4.03799	3.80301	4.7761	3.8116	5.21912
ZNF174	5.63228	5.75038	5.43864	5.44119	5.75728	5.88599	5.26864	6.03962	5.6657	5.91675	5.08724	5.21531	5.87129	6.07956	5.54093	5.49338
ZNF175	6.09307	5.64894	6.20911	6.29917	5.12665	5.99432	5.96035	4.49209	6.45163	5.72779	4.80682	3.7862	6.18481	5.62722	6.15923	5.53879
ZNF18	7.28649	7.322	6.63615	6.55759	8.12977	7.83173	6.51815	7.94682	6.96808	6.53433	6.71513	6.52754	6.90197	7.57286	7.07623	6.99729
ZNF180	6.30419	5.6896	6.21719	5.45626	6.63553	5.50341	6.23139	5.22468	5.52262	6.176	5.65114	5.68092	5.63126	5.47008	5.79739	6.6142
ZNF182	6.87351	6.96393	6.90407	6.65267	7.07329	7.05787	6.88783	6.41532	6.98274	6.96067	6.50632	6.48629	5.96074	6.67897	6.72263	6.80229
ZNF184	7.84266	7.79216	8.11962	8.50902	8.99254	8.51119	8.19911	8.08689	8.07801	7.40742	8.03276	7.89346	8.54112	8.27451	8.35464	8.21756
ZNF185	8.35656	7.92616	7.88036	7.94682	7.59595	7.73503	8.60597	8.41306	7.03653	8.56997	9.34899	7.94829	7.30112	7.23854	7.79416	7.59959
ZNF189	7.6971	7.49784	7.86279	7.42808	8.94645	9.39051	7.90401	8.94713	9.49577	6.98472	8.17338	7.28019	8.54327	8.13104	8.60597	8.4703
ZNF19	5.10272	5.53386	5.39747	5.82515	5.7256	5.98151	5.48401	6.29087	5.97591	5.4645	5.10609	6.16713	6.06448	5.1641	5.8637	5.26512
ZNF195	6.09691	6.80592	6.35184	6.72174	6.8728	6.21237	7.1342	7.2218	6.09438	6.45401	6.17309	6.76629	6.48536	6.91842	7.08674	6.81862
ZNF197	3.29046	5.48818	4.60609	3.64434	6.23393	5.7151	6.26498	6.38914	6.24968	6.00927	6.06866	5.32288	5.73584	5.44477	5.914	6.25794
ZNF2	6.33307	6.96438	5.87421	6.11947	6.09607	5.98542	6.22252	6.36903	5.60018	6.60163	5.71334	6.70524	6.75189	6.56652	6.71149	6.53519
ZNF200	7.33414	7.32029	7.68633	7.40895	7.90795	7.57212	6.69985	7.69696	7.67098	6.88974	7.45743	7.76765	7.97619	7.42808	7.98529	8.06417
ZNF202	6.22886	5.24336	6.27174	5.12813	6.93914	6.71186	6.34146	7.2798	6.61362	6.3419	6.58582	6.49835	6.35133	5.94284	6.50491	6.77618
ZNF204P	8.09751	7.45408	6.83931	7.62827	6.91014	5.27542	6.71904	6.65798	7.13233	8.24226	5.19496	5.19111	7.55124	7.03226	4.963	6.6286
ZNF205	6.66289	6.6959	7.74178	6.77365	7.06567	7.16742	7.16815	6.81365	6.14545	7.23779	6.84879	7.23189	7.15229	7.20323	6.43048	7.01158
ZNF205-A	5.11682	2.95972	2.11428	5.33258	4.73152	2.88086	5.3089	5.69927	1.92414	3.09196	4.488	3.82629	5.10281	3.26302	5.56103	5.74014
ZNF207	7.27047	6.70492	7.53657	7.11341	7.1297	7.61764	7.87426	7.08147	7.26032	7.04694	7.31648	6.74434	7.2577	7.0964	7.45894	7.43124
ZNF208	2.67782	3.64147	3.39655	3.03103	2.86736	3.00437	2.97631	3.20119	3.28186	1.99688	2.17298	3.17553	2.5321	2.81246	2.10562	2.52507
ZNF211	6.87678	7.63411	7.1301	7.66888	7.93251	7.10928	6.86032	6.50736	6.11965	6.87431	5.58425	7.17501	3.93646	6.46468	6.608	6.95399
ZNF212	7.00819	6.47261	7.54578	6.18506	6.6832	6.55391	6.53759	5.80143	6.57174	6.98862	6.65525	6.59208	6.13485	5.90555	6.94803	7.07497
ZNF213	6.96523	6.6686	7.21477	7.20013	6.99143	7.47244	7.17584	7.35865	7.68857	7.49022	7.00837	7.44956	7.14258	7.36632	7.46017	7.03819
ZNF213-A	6.17842	5.84226	5.84809	5.54505	6.63752	5.03715	3.90378	5.26563	1.98342	6.27933	5.5172	5.88851	6.45075	4.31831	5.48401	6.15584
ZNF214	4.54176	4.2978	2.43717	3.77565	2.57444	3.82629	2.94842	2.79294	3.99089	3.56237	2.53415	2.9174	2.06833	4.58146	3.28749	2.881
ZNF215	4.5001	3.93582	3.74341	5.61784	3.33247	3.38408	4.01369	4.77818	3.91868	4.9984	4.00874	3.71942	3.84132	2.81157	4.65498	5.79645
ZNF217	7.83611	8.48395	8.50939	8.6233	9.0488	8.77851	8.22973	7.42749	7.98209	7.84084	7.98311	7.81046	8.028	7.96074	8.79299	9.54001
ZNF219	4.72336	4.63225	4.60638	4.92622	4.8564	5.18445	4.35216	4.32878	4.88176	5.16547	4.09191	4.77269	5.09073	5.10495	4.57686	4.56051
ZNF22	6.432	5.59856	7.04441	7.03111	6.44646	6.75013	6.0757	7.01184	6.45143	6.05559	6.9682	7.06965	7.83558	6.9634	7.39805	6.47613
ZNF221	3.83495	3.50971	5.53539	2.91172	4.12898	3.44341	5.0014	4.01736	4.18318	3.88575	3.42455	5.00639	2.99422	3.98449	3.10037	4.55835
ZNF222	4.89528	4.87671	6.53234	5.36713	8.03892	6.98885	5.86149	4.60422	5.94368	4.58996	3.99549	3.83791	5.1616	5.89557	5.93176	6.43737
ZNF223	7.01393	6.65991	6.96626	6.5847	7.55453	7.19524	6.52257	7.66822	6.83917	6.82394	6.48568	6.89653	6.92962	6.75374	6.97373	7.47497
ZNF224	6.47473	5.9817	6.31363	6.11714	6.13554	6.01067	6.31288	6.01722	5.89763	6.02828	5.96774	6.3799	5.99921	5.5832	6.06845	6.07493
ZNF225	4.46104	4.80767	5.28614	5.45419	7.1111	5.32709	6.16862	6.12115	5.85373	4.98577	6.17043	4.98208	5.33553	4.79228	6.37347	5.29544
ZNF226	6.07655	5.9283	5.56719	5.86855	6.60033	6.50241	6.76563	6.5358	5.75101	6.2399	5.71771	6.49155	5.54563	6.17117	6.28827	5.61993

ZNF227	3.74908	4.94808	4.52689	4.77269	5.19529	5.21285	4.39778	4.24541	5.02351	4.50783	5.62788	5.18671	4.84543	4.63841	5.19701	4.75041
ZNF229	4.24728	5.64227	3.19767	4.29733	5.97567	4.53653	4.24199	5.35208	4.70674	5.23405	4.59043	5.13694	5.19241	4.67342	4.58951	5.27776
ZNF23	6.64277	6.88935	7.59371	7.34628	7.58099	7.51436	6.70654	7.83389	6.75635	7.62176	7.09987	6.53931	6.62038	7.12006	7.10547	7.4428
ZNF230	4.81041	4.66687	5.72358	5.20142	6.41115	6.38823	5.4439	5.5809	4.59114	5.66353	5.30223	5.51949	5.58686	5.69362	5.74329	5.35346
ZNF232	8.1354	8.0146	7.88907	8.33334	8.43726	8.62243	8.41541	8.32786	8.29921	7.92577	7.94301	8.08028	9.36362	9.21885	8.19911	8.55383
ZNF233	3.82716	5.25816	3.64264	4.45264	4.38784	3.54052	4.26443	3.12323	4.82291	3.82451	2.90919	3.84704	4.37195	3.25492	3.20642	4.23832
ZNF234	6.38914	6.00856	6.28755	6.35133	6.64176	6.55362	7.22296	7.01358	5.00639	5.60374	5.88036	5.97627	5.796	6.81999	6.88611	6.30311
ZNF235	3.6839	3.8556	5.04437	3.67604	5.9634	5.01049	4.57021	4.86934	4.10117	4.05356	4.14096	4.19514	4.12675	4.124	4.55715	4.14429
ZNF236	6.96309	7.01358	7.40236	7.26381	7.44986	7.18606	7.12136	7.19128	6.97341	7.30374	6.88974	6.92148	7.23955	6.74754	7.21975	6.88215
ZNF239	6.26381	6.50148	6.79149	7.06955	6.84674	6.23343	6.82297	6.74984	6.2722	6.87431	6.13735	6.74858	7.49942	7.23854	6.99156	6.49567
ZNF24	6.21309	6.44533	6.56458	6.62134	5.91782	6.39618	6.42338	6.02361	5.96015	6.09718	6.14347	6.25955	5.93103	6.48183	6.34383	6.18324
ZNF248	6.71288	7.31389	7.32935	6.87204	7.1777	7.42774	6.94963	7.23993	7.03779	7.50324	6.55737	7.40525	6.50855	7.27759	7.33205	6.85008
ZNF25	4.91953	4.79767	5.18154	6.02339	6.19774	5.23232	5.4309	5.13199	5.04076	5.1836	4.98558	5.38754	4.91008	5.75858	6.5997	6.31399
ZNF250	6.22105	6.642	6.35935	6.40548	6.58567	6.74395	7.21373	6.0088	5.94472	6.03089	5.6878	6.62321	6.57303	7.44071	6.3542	6.27405
ZNF251	6.94501	5.21138	5.23698	4.08527	6.94842	5.76151	6.81119	1.91261	3.17124	5.53181	2.75175	4.69839	4.02061	6.18489	6.87067	6.11535
ZNF252P	6.2845	5.85266	6.50096	6.00571	6.08497	6.41859	6.98107	6.76368	6.6164	6.45541	5.76574	5.98732	6.29809	6.8181	6.22381	6.0728
ZNF252P	4.9553	5.93821	5.53995	6.18076	5.82427	5.98542	5.03767	5.90655	4.67119	5.9856	5.44563	5.042	6.08394	5.7441	5.85731	5.38669
ZNF253	6.13935	6.3998	6.0939	6.19467	7.40556	6.22861	6.71983	5.89644	6.21331	6.04328	5.94456	5.70734	7.00204	5.86584	6.432	6.26672
ZNF254	5.42031	5.94952	5.62722	4.87854	6.1633	6.00397	5.91964	6.06544	5.74749	6.21121	5.41796	5.16578	6.03071	5.83859	5.75547	6.21309
ZNF256	3.79639	5.54926	3.45525	5.96999	7.35785	3.90614	3.58877	3.94809	3.6792	3.3263	3.16885	3.07028	5.30133	2.95261	4.75761	3.60117
ZNF257	2.55807	3.4933	2.88071	2.65796	4.06784	2.83735	2.5047	4.25669	5.24379	3.60777	3.18189	1.87757	5.71853	2.37224	2.39175	2.16972
ZNF259P	3.94748	4.85515	6.37807	3.55701	4.64244	4.39841	5.82817	5.65251	4.79002	6.33734	3.54938	4.76686	3.32016	5.76092	4.98795	6.15937
ZNF26	6.24479	6.60467	5.57283	5.81123	7.20767	6.89041	6.0495	6.3978	6.76094	6.59516	6.7914	5.88899	6.19859	6.30059	6.3353	5.93748
ZNF260	7.46068	7.60398	7.60189	7.89777	9.48779	9.00702	8.70701	7.99805	8.34898	7.71057	7.30035	7.66822	8.61036	8.30243	8.54257	8.66033
ZNF264	5.6488	4.65251	5.796	5.77721	5.1385	5.43048	6.16376	5.09798	5.82413	5.65081	5.23146	4.04247	4.21802	5.30515	5.1853	3.96826
ZNF266	9.45518	9.03229	8.15216	8.24425	8.84648	8.46688	9.81607	8.46073	9.13234	8.60932	8.30473	8.32702	8.12358	7.65366	8.5744	8.6216
ZNF267	8.82789	9.20565	9.27986	9.2707	9.68889	9.16397	9.24623	9.82232	9.07809	7.71341	9.45311	9.03434	9.46771	9.49038	9.88728	9.69292
ZNF268	6.46565	6.31417	6.09718	6.18996	6.71607	6.08574	6.48403	6.08478	5.27137	5.87434	6.11535	5.36141	7.20792	6.86056	6.70933	6.66575
ZNF271	6.68886	5.98768	6.42486	6.30347	6.69674	6.48506	6.53064	5.89549	6.63771	6.4034	6.19445	5.69505	6.40922	6.90423	7.06319	6.18336
ZNF273	7.35321	5.86819	5.88518	7.05554	7.19046	6.07822	5.43281	5.59425	5.97794	5.03724	6.22003	4.95899	5.95982	5.85906	6.62048	5.94638
ZNF274	7.43085	6.90821	7.28432	7.70099	7.66787	7.26214	7.33255	7.47714	7.70929	7.42441	7.3425	7.33722	6.39959	6.19736	7.52638	7.00686
ZNF275	6.46954	7.55918	8.08617	7.52366	6.71827	7.93861	6.07446	6.62218	7.82655	8.17017	6.32977	7.69696	6.6142	7.21241	7.50291	6.27798
ZNF276	7.30631	6.8481	7.23063	7.21604	7.21091	6.82939	6.71574	7.17743	6.89454	6.47449	6.8806	7.02532	6.98458	6.77672	6.6655	6.97362
ZNF277	4.40345	5.07878	5.59457	4.87224	5.76416	4.97683	5.77804	5.244	5.29401	5.60325	5.7151	5.09503	5.86507	5.68495	6.1916	5.89295
ZNF28	1.84505	4.74319	4.50237	4.89377	4.33348	4.22923	2.58845	4.87281	3.58282	4.76479	2.43603	4.44519	4.76655	4.09275	5.13431	4.65488

ZNF280A	6.03937	6.34155	5.8816	6.38441	5.99873	5.43316	6.77131	6.4995	5.85541	6.75307	6.82623	6.36903	6.78294	6.51976	6.98952	6.2051
ZNF280B	5.63647	5.69581	5.60281	5.96635	5.2325	6.57028	6.26959	6.00298	5.86	5.40317	5.67091	5.31136	5.67605	5.37386	5.15653	5.24525
ZNF280C	6.78913	6.28426	6.60282	6.74791	7.34801	8.35699	8.29063	7.39051	6.92074	5.9832	7.59162	6.87687	7.60537	6.82609	7.69452	7.81803
ZNF281	7.73337	8.16934	8.50501	8.31608	8.33216	8.6144	8.79526	8.13794	9.10108	7.86385	8.57771	7.46963	8.63631	8.19737	8.98598	9.22028
ZNF282	7.23854	7.14861	6.68871	6.62977	7.27587	6.66538	7.26246	6.55426	6.5358	7.5405	6.8335	7.5193	7.1494	7.84487	7.48041	7.89362
ZNF283	6.03937	6.04321	6.05689	6.1566	6.90068	6.21237	6.03446	6.04567	6.36841	6.60899	5.75058	5.80692	6.23343	5.44628	6.25289	6.72765
ZNF284	6.76563	6.29809	6.98418	6.26403	6.71513	7.01856	7.39264	6.47034	6.48855	6.93556	6.18909	6.74311	7.00878	6.34313	6.70297	6.77653
ZNF286A	6.47337	5.83859	7.04408	6.85927	6.72452	6.81217	6.37481	6.14599	6.51208	6.65491	6.13852	7.25259	6.82429	6.42817	6.98515	6.95333
ZNF287	3.46822	3.87914	2.67782	2.66915	2.70081	3.57935	3.99287	4.17744	4.46349	2.10121	2.92914	2.72468	3.41088	2.70831	3.04006	3.02948
ZNF292	5.74152	5.27249	5.4303	6.02088	5.21453	6.01259	5.99579	4.59228	5.26386	5.31529	5.2998	4.71358	6.41424	5.27302	5.74957	4.54325
ZNF295-A	8.10385	4.85943	5.31968	8.02942	5.80335	4.07245	6.10352	3.99573	4.27526	3.34275	5.16519	6.24803	4.33163	2.83991	5.99014	5.25333
ZNF296	6.35027	7.12889	6.86006	5.5987	6.87934	6.1132	6.69536	6.85454	6.04791	6.77476	5.17761	5.88329	6.34146	6.99133	6.88011	6.72633
ZNF29P	2.84585	2.38321	3.41778	2.63094	3.78772	3.10714	3.62918	3.54755	3.03524	1.71988	3.51074	3.85936	3.49513	2.35543	3.66594	3.34937
ZNF3	6.44014	5.13036	5.03667	5.60018	5.84226	5.29777	5.69415	4.9403	5.00749	5.34643	4.45472	5.43333	4.95264	5.95281	6.5353	6.58382
ZNF30	6.2273	6.89281	6.89374	6.8906	6.99403	5.65192	7.61541	7.19766	6.16838	6.16275	6.56491	7.52074	6.86689	6.57182	6.51043	6.03781
ZNF300	5.79561	5.85624	4.87214	5.47965	6.88048	6.75178	6.90596	6.38308	5.20282	5.57193	6.07237	6.35462	7.72798	6.66563	7.09595	6.633
ZNF300P	7.38598	6.3681	5.44533	6.10495	5.93145	5.97352	6.05549	6.84849	6.13912	6.99855	5.60346	5.77997	5.96738	6.51802	5.91547	5.46398
ZNF302	7.85021	7.14716	7.49156	8.01409	8.55042	7.9514	7.90137	7.66223	7.56828	7.29437	7.25205	7.22086	7.52366	7.28407	7.71993	7.84679
ZNF304	7.40507	7.608	7.53557	7.52026	8.30659	8.46536	7.62114	7.75348	8.21756	8.14084	7.51679	7.91731	8.03911	7.8415	8.21863	7.8562
ZNF311	4.55142	4.31847	5.05401	5.38484	6.19518	5.9248	4.51419	4.80498	4.92117	4.95231	5.66827	4.64638	4.67009	3.88127	5.15309	4.52735
ZNF316	4.62927	4.47779	4.32142	4.42829	4.49089	4.04247	4.17457	3.44414	3.2859	4.02752	4.10961	3.98126	4.40873	4.71641	3.7147	4.63097
ZNF317	5.96559	6.33496	5.99151	6.34769	6.85008	6.23139	5.93055	6.24105	6.49655	5.7588	6.69747	6.20878	5.13936	6.64348	6.31081	6.6437
ZNF318	6.37431	5.83723	6.16058	6.35184	7.05471	6.28188	6.27896	6.54549	6.81021	6.22135	6.18525	6.50447	6.48735	5.45724	6.56901	6.20277
ZNF319	6.75392	7.2025	7.48213	7.03205	7.73951	7.78315	7.42652	7.47068	7.39513	7.64601	7.12352	7.23209	6.60467	8.01932	7.46529	6.76563
ZNF32	7.30694	7.21035	7.56501	7.6652	7.22711	7.91668	7.76799	6.48178	7.69081	7.5049	6.846	7.42114	8.40005	8.32756	7.72953	7.42275
ZNF32-A	3.46662	3.13301	1.98925	2.32747	2.31418	2.71638	3.11239	2.85325	3.9201	2.49029	3.59527	2.6169	3.66032	1.99597	2.64433	2.13926
ZNF320	7.69505	7.62638	7.49041	8.19104	9.04808	8.02883	8.8053	7.80469	7.46102	7.43605	6.60293	7.84813	8.21596	8.64417	8.54009	8.48075
ZNF322	7.33587	6.98472	7.06232	6.92547	7.45093	7.46327	6.28793	6.95076	7.80556	7.2857	6.98813	6.27576	7.46153	7.47282	7.30374	7.29262
ZNF324	5.4983	4.1094	4.35197	5.43831	4.82316	3.11933	3.79373	3.39861	4.32124	5.35699	3.6751	3.99715	3.23246	4.3596	3.79392	4.21547
ZNF324B	6.6685	6.7359	6.54247	6.55313	6.47531	6.4906	6.89428	6.61296	6.55362	6.57977	6.18336	6.90821	5.93344	7.15875	6.47587	6.37128
ZNF326	5.88585	6.46662	5.86299	6.18849	6.28689	6.39914	6.42945	5.77721	5.55912	5.53684	6.37053	6.11348	5.94238	5.70157	5.60235	5.95854
ZNF329	6.36554	6.95847	6.59402	7.55185	8.28774	7.50788	8.52211	6.98305	7.20142	7.04107	5.69803	5.50419	7.39688	6.97537	6.395	6.58631
ZNF330	7.24216	7.30197	6.19845	7.77111	7.86174	7.75274	7.52561	8.217	7.29117	6.76041	8.29124	7.4644	7.6668	8.18689	7.8012	7.72919
ZNF331	6.77343	7.01673	7.44226	6.8106	7.34582	6.6685	6.81608	7.84521	7.04694	7.28682	6.49934	6.50796	6.77145	6.83876	6.65613	7.06274
ZNF333	4.92092	5.43934	4.90904	5.11031	4.93822	4.95828	5.46569	5.09913	5.22506	5.22934	4.48075	5.29401	5.61894	4.90154	5.36743	5.78811

ZNF334	5.60515	4.81291	4.64564	5.14791	4.96159	5.02586	5.21176	4.37264	1.84438	5.55192	2.71009	2.71255	6.4377	5.95026	5.44648	3.09709
ZNF335	4.33877	3.85721	4.574	4.52861	4.0065	4.05898	4.29343	4.07985	4.78664	3.72627	3.19159	3.03907	3.86359	4.10524	3.97873	4.32214
ZNF337	7.90928	7.30333	8.28199	7.70895	8.16578	7.91831	7.74091	8.38687	8.45101	7.73104	7.25848	8.24208	7.47282	7.73862	7.80586	7.44394
ZNF33A	6.27726	6.13534	6.17219	6.25615	6.57346	6.66605	7.54948	6.91606	6.82985	6.63002	6.02272	6.34446	7.07424	6.24286	6.43728	5.87229
ZNF33B	7.21675	7.36252	6.86998	6.96523	6.88861	7.33082	6.93816	6.40041	6.73937	7.55529	6.2833	7.52671	7.154	7.09901	6.86503	6.78271
ZNF34	6.48947	5.92053	5.9313	6.9363	6.13735	6.36476	6.28124	6.58372	6.49434	6.49925	5.47332	6.17169	5.96423	6.09264	6.38796	6.92002
ZNF341	3.98045	3.19822	2.99038	2.91316	2.98574	3.32599	3.62626	3.89038	3.56769	4.17584	3.6881	4.21355	3.09607	3.96394	3.62944	3.7209
ZNF343	6.01381	5.24084	5.39197	5.52833	5.32082	5.42382	4.9796	5.42389	5.22581	5.84563	5.50431	5.69246	5.81398	5.74852	6.06615	6.58211
ZNF345	4.37155	3.72627	4.709	4.52326	3.49162	4.48338	4.21937	3.80749	4.28379	2.99797	4.80528	3.27983	4.32719	3.90824	4.56877	3.1264
ZNF346	5.78857	6.16976	5.84528	5.97187	5.61936	5.95754	6.38496	5.32594	5.8635	5.56557	5.6019	5.8178	5.99432	5.9804	6.02198	5.95836
ZNF347	4.93559	5.60047	4.4881	4.34511	4.74589	5.10681	3.47278	4.48486	4.24629	4.12135	4.74829	3.97955	5.48503	3.50882	4.34003	4.20237
ZNF35	6.20943	6.87096	6.01704	6.00991	5.8529	5.92834	6.39959	5.96686	6.82357	6.14088	4.97729	5.82978	6.51929	6.231	6.29726	6.51291
ZNF350	6.38823	5.85696	7.0227	6.29418	6.42156	6.30391	6.48524	6.815	6.33298	6.14261	6.46154	7.18732	5.44954	5.14578	5.80361	6.78968
ZNF354A	4.88663	5.08129	6.26392	5.59032	6.15674	5.54525	6.75064	5.55155	6.25847	5.87159	6.26612	3.53998	7.03719	5.71685	6.75611	4.43638
ZNF354B	7.14191	6.67312	7.15432	6.25108	6.80517	6.69178	7.53547	7.23024	7.42256	6.77476	6.9139	6.599	6.96636	6.67673	6.89847	6.92116
ZNF354C	4.67009	4.3777	5.52747	5.4871	4.29429	4.86961	5.86958	4.981	5.94043	5.39366	6.01459	6.33042	4.93921	4.53938	5.19028	5.04171
ZNF358	4.10686	4.60364	4.0662	3.80927	3.8399	4.5743	3.57809	3.74113	3.00894	3.99755	2.5569	2.87657	4.26088	4.84399	2.98185	4.15981
ZNF362	6.93864	6.88573	6.45915	6.96991	6.63394	7.40895	6.84013	6.35103	6.76443	6.92174	5.58168	6.27917	6.50885	6.43815	6.19634	6.78095
ZNF365	4.70049	4.05558	4.87682	5.8734	4.11132	4.25266	4.24836	4.55059	5.0413	4.71386	3.95895	4.27689	5.08609	4.82616	4.53621	4.60058
ZNF366	2.81334	4.78923	5.09503	3.95382	3.87693	6.25872	4.17685	3.53745	3.38569	4.84572	4.73761	4.24374	5.49908	5.91431	3.92173	4.11111
ZNF367	5.86108	6.87934	6.21965	6.03276	8.67767	6.72253	7.95464	7.81677	7.27783	4.70881	8.72123	6.81668	8.03012	8.24425	8.67767	8.66913
ZNF37BP	6.06247	5.94351	6.53487	5.69909	6.34674	6.3264	6.69457	6.50907	5.68251	5.88871	5.09784	5.89665	5.90626	5.86329	5.82442	6.01907
ZNF382	1.85673	2.24915	2.09215	2.02052	3.60684	2.04903	1.70215	2.48014	2.20742	1.80217	2.00164	2.88648	2.76442	1.27177	2.65953	2.63048
ZNF383	5.55384	6.00448	5.88036	6.52577	7.82145	6.58386	6.33327	6.77343	6.27012	5.29843	5.62708	5.85386	6.30369	5.97927	6.40106	5.8336
ZNF384	5.91983	6.2833	6.64035	7.02199	7.08796	7.47978	8.05423	6.93148	7.69546	6.99781	6.68235	7.86242	6.55263	7.69319	7.99608	6.61987
ZNF385A	7.05611	6.30541	5.91457	6.97362	7.10225	7.25051	6.88935	6.89264	7.77681	5.81954	6.6448	6.2574	7.39296	7.72243	7.12292	7.56278
ZNF385B	2.62506	2.88648	2.91116	3.08987	3.58662	3.55262	2.49508	2.79557	2.86655	3.03738	3.00648	2.52251	2.76844	3.48453	2.83544	2.74036
ZNF385C	4.79439	3.44137	3.78517	3.60342	4.51121	4.29854	4.52231	4.94996	4.87944	5.55308	3.981	3.87137	4.73847	4.90583	4.91109	5.12161
ZNF385D	3.96139	4.86934	4.10265	4.28461	4.00025	4.23422	3.89698	4.35543	4.72309	4.96357	4.55949	4.27501	4.91131	4.09469	4.25587	4.7818
ZNF391	4.52134	3.70705	3.93204	4.29221	4.25938	4.17154	4.65943	4.26259	4.57516	3.6144	3.50666	4.09014	4.74107	3.871	3.4402	4.05376
ZNF394	7.34509	7.53221	7.1351	7.64701	7.29287	7.24339	7.46862	7.64185	7.56065	7.19719	7.40895	7.40692	7.57786	7.40067	7.8236	7.55949
ZNF395	5.30913	5.66519	4.60513	5.23432	5.28856	4.94559	5.12946	3.92314	4.22106	5.30442	5.662	5.36435	4.55379	5.67544	4.93625	5.74238
ZNF396	4.7048	4.01411	3.899	4.14568	3.77534	3.96867	4.15981	3.999	4.06358	4.47054	4.29377	3.85595	3.9012	4.1501	4.23244	3.78872
ZNF397	4.79781	5.26369	5.27341	5.17622	4.95044	5.17978	5.33126	5.08995	4.2106	5.23193	4.36385	4.39716	4.45895	5.26984	4.90868	5.06187
ZNF398	5.59206	6.17461	6.17384	6.07744	6.61529	6.91433	6.84693	5.79118	6.58582	6.82702	6.04328	5.40673	5.13421	6.3105	6.99511	5.76416

ZNF404	5.57283	2.59102	4.13154	4.39175	6.92754	4.57551	6.0054	4.26669	2.76258	4.49669	5.02623	3.73633	4.81507	3.8872	5.38754	4.46349
ZNF407	4.48842	4.03935	4.2476	4.6666	4.37397	4.03106	4.50143	4.58199	4.12326	3.61598	3.9751	4.08953	4.23539	4.45365	4.85334	4.2307
ZNF408	5.90515	5.58299	4.62423	4.98755	5.97046	6.80087	7.21691	7.10256	7.47068	4.55142	5.77642	7.34597	6.86287	6.92604	6.85892	5.34309
ZNF41	3.60751	4.22389	4.13729	3.22692	3.60094	3.35515	3.77425	4.10591	3.91768	3.52327	3.90229	3.91554	4.44183	4.50625	3.97447	5.01373
ZNF414	2.28895	2.73661	2.99117	3.0707	2.70166	2.94657	2.11968	2.48368	2.55373	2.86953	1.80801	1.71618	2.1492	2.90106	1.59081	2.68278
ZNF415	7.2446	7.09607	7.24097	7.25098	6.50169	5.96592	5.72213	6.13672	5.89332	7.24192	5.22953	5.08443	5.07725	6.0104	5.5419	6.47245
ZNF416	4.84882	5.9248	5.40235	5.64557	6.8419	5.96015	4.47874	5.69831	5.81289	5.32867	3.72694	5.93772	6.17732	6.41831	6.02877	6.47672
ZNF417	3.61236	-0.5013	2.25072	2.65796	4.56051	-0.2642	1.80024	3.73495	3.2065	0.5704	3.18189	2.93048	0.86502	1.17253	0.56521	1.21992
ZNF418	7.02968	6.88599	6.56296	6.80312	7.30433	6.26966	6.30868	6.387	6.85143	6.72801	6.30364	6.47077	7.02928	6.43444	6.68823	6.30339
ZNF419	8.19449	8.51627	8.31119	8.44931	8.58624	8.14808	8.31171	8.93046	8.10118	8.38415	7.83923	7.80406	8.38568	8.05423	8.48129	8.50217
ZNF420	7.53155	7.79893	7.60658	7.75305	8.0442	7.01444	7.96489	7.5216	7.71385	7.60929	7.29262	6.9415	7.81833	7.53627	7.59935	7.65295
ZNF423	6.44688	5.80184	6.68261	6.12151	6.26766	7.25345	5.69257	6.13354	6.78596	6.98472	6.14261	6.19642	5.84353	6.20722	6.29946	6.25628
ZNF425	4.60364	4.15582	5.02373	3.09158	5.30873	4.81291	5.4486	4.56661	5.29354	3.68721	4.80009	5.51836	4.89657	4.53328	4.87039	5.43309
ZNF426	1.44194	1.58173	1.62051	1.3754	2.65839	2.45459	1.80024	2.17246	2.03262	2.38782	2.3203	1.59868	1.89786	2.95261	2.39175	2.45954
ZNF428	5.41963	6.09093	6.43423	6.26147	5.63003	6.03166	6.2126	5.08822	5.88887	6.24803	6.562	5.93156	6.5898	6.40861	5.33875	5.59408
ZNF429	6.14693	3.32466	5.37093	5.04161	4.87854	5.60149	5.55517	5.63833	6.30355	3.99153	4.26259	3.21231	5.21928	4.73921	6.18247	5.29354
ZNF43	5.89078	7.19128	7.16167	7.05429	7.81868	6.78398	6.8567	7.42821	6.60342	7.23263	6.62241	6.42535	6.96636	7.3188	6.99847	7.0893
ZNF430	6.01691	6.06352	6.31836	7.13403	6.88541	6.94003	7.49517	6.53353	7.1198	5.93748	6.83691	6.06758	6.01651	6.54757	7.07704	6.66134
ZNF431	4.86471	5.02068	6.35116	5.90047	6.91191	6.04492	5.93903	4.88176	5.43505	5.48482	5.37607	5.14817	5.28856	5.84449	6.90407	6.30457
ZNF432	8.22402	7.08255	8.20256	8.32674	8.04887	8.24403	8.87147	8.03457	7.10048	8.37834	7.74792	6.88861	8.13992	8.17509	8.09264	7.66492
ZNF436	6.00628	5.2002	5.28258	5.73855	6.68558	6.45116	5.11089	4.1368	6.36968	7.20717	6.23412	4.35356	5.83323	6.1103	7.11276	5.63513
ZNF438	6.06308	6.26381	6.11415	5.90014	5.76009	6.03089	5.81684	5.9455	6.48116	5.17761	6.63598	6.1383	6.75115	6.25296	6.24844	6.27203
ZNF439	5.63013	6.37855	6.02901	7.02771	5.36162	6.93931	3.3753	5.58831	3.94629	6.97196	5.21642	2.84585	6.12219	3.26302	4.40873	5.59155
ZNF44	6.694	6.91486	7.17667	6.75056	7.03928	6.77758	7.20587	7.06794	7.24927	7.06583	6.438	6.56713	6.13935	6.42187	7.12375	6.45541
ZNF440	5.39542	4.45735	4.46592	5.07446	4.11032	3.70752	4.65329	4.9251	3.63165	4.41563	4.13125	4.54628	4.193	4.61206	4.4881	4.0279
ZNF441	2.07124	2.85371	1.80988	2.32838	4.00768	3.46695	1.82793	2.44316	4.13982	3.75099	1.38056	1.98828	0.62135	1.14774	3.67981	1.68451
ZNF442	3.93705	5.13629	3.07458	4.37118	3.14557	3.09851	3.52327	4.6981	4.68603	2.93344	4.99999	5.64806	4.43617	4.51886	2.56931	3.08868
ZNF443	5.2998	6.24882	5.07619	5.93474	6.076	5.42436	5.75828	6.22635	5.48013	5.87597	5.16648	4.71386	6.1677	5.48379	5.0875	5.94284
ZNF444	7.20199	6.50001	5.84122	6.79214	6.90487	6.95361	7.45941	6.57541	7.80515	6.48455	5.90723	6.40473	6.98885	6.85409	6.54516	6.61815
ZNF445	6.03028	6.11372	6.22411	6.05165	6.12794	6.14382	6.2051	6.36458	6.80033	7.27377	6.05374	6.08337	6.01449	6.09404	6.2716	5.8846
ZNF446	6.59764	6.51314	5.79752	6.13065	5.94351	6.75341	6.18119	5.03935	5.95527	5.74832	5.0097	6.31836	5.9283	6.1481	5.56523	6.36055
ZNF449	7.12749	6.82737	7.23779	6.41639	6.88215	7.16948	7.17539	7.01865	6.84366	7.49773	6.88646	5.80721	7.32741	6.51087	6.8763	6.8869
ZNF45	5.54492	6.23544	6.19445	6.90081	7.97893	7.04081	5.73609	7.02669	6.23199	6.11372	6.38327	6.37272	6.69457	6.57801	6.40584	6.19241
ZNF451	6.28135	6.08039	6.66527	6.4501	5.66879	6.19553	6.02224	5.84449	5.77011	5.9868	6.07744	5.77556	5.97782	6.42338	6.43229	5.95929
ZNF460	2.67567	3.53979	3.65785	3.87618	3.09819	3.84757	3.4834	3.83335	3.07861	3.67466	3.6535	3.41948	2.14586	3.16104	3.62297	2.47116

ZNF461	1.70087	1.7774	2.07548	2.1445	0.90941	1.36658	1.85693	1.86949	1.92414	1.43866	1.48752	3.50641	2.66449	1.78331	2.45708	2.71584
ZNF462	6.7568	5.91087	6.22045	6.28545	6.09131	7.28174	6.83775	5.53096	6.50281	6.68839	6.0054	5.9621	6.35047	5.60281	6.48887	6.50434
ZNF467	5.43256	6.56788	6.27322	6.64649	6.59283	6.90407	6.53414	6.80475	6.22225	6.07628	6.57865	6.69561	6.27095	6.84248	6.76622	6.63615
ZNF468	7.59528	7.13215	7.59977	7.38968	8.46726	6.85727	7.4145	6.65798	6.97262	6.54702	7.74898	6.67635	7.84908	7.74157	8.05758	7.76924
ZNF469	6.71414	7.06749	6.69654	6.57501	7.04312	6.84737	5.54511	5.86031	5.87508	6.56837	6.39244	5.69822	5.4874	6.32393	7.66991	6.2273
ZNF470	3.00675	4.35031	4.64876	4.26515	3.27783	2.95599	2.31492	3.27157	4.07916	1.87612	1.59488	1.69916	5.10281	3.42962	2.11842	1.54854
ZNF471	3.8556	2.75605	3.42681	4.35178	3.11326	2.01139	2.25402	3.24205	3.64825	4.0743	3.26202	2.59761	4.06388	2.17636	2.75404	2.02496
ZNF473	6.40041	6.30248	6.44646	6.52354	7.20233	6.83419	7.60636	6.82158	6.76041	5.57066	6.71402	6.89099	6.16792	6.94695	7.44226	7.14295
ZNF474	7.0854	5.81135	5.62378	6.21493	5.26406	5.74089	6.07197	5.74912	5.51434	5.23031	5.45177	6.42879	5.4874	6.22411	6.06428	4.43077
ZNF48	7.91216	7.53337	7.13919	6.98209	8.03444	7.91573	7.51214	7.86622	7.86813	6.74418	7.57258	8.25123	7.96005	7.73665	7.90695	7.65647
ZNF480	5.53171	6.14545	5.29126	6.20878	5.93782	5.33083	6.06726	6.46239	5.44119	5.14584	5.5279	6.09492	6.59548	6.13065	6.24247	6.13076
ZNF483	4.28059	4.26699	4.71077	4.65881	5.05901	4.62754	5.63752	4.86142	4.2019	4.94613	4.6631	4.79259	5.4597	4.62298	4.72336	4.17392
ZNF484	5.85581	5.21546	5.4513	6.01875	5.62483	5.01785	5.75525	5.48699	5.83794	6.01933	5.83698	5.52528	5.93689	4.5359	6.30594	5.52251
ZNF485	6.71745	6.53899	6.65672	7.04141	6.58803	7.04784	7.30014	7.09122	6.85031	6.55405	6.68989	6.84306	7.40382	6.87773	6.41977	6.88379
ZNF486	5.75738	6.32945	3.40986	4.53167	4.34735	2.93381	5.50534	2.95859	5.6566	4.93851	3.72995	6.09694	4.69821	2.88516	5.78757	6.32107
ZNF488	2.58692	2.67513	3.7147	2.65796	3.64173	3.40348	2.39011	4.24814	4.03549	4.31215	3.77904	4.20947	2.7752	5.33354	4.026	3.71736
ZNF490	6.83608	7.09732	6.25236	6.50339	6.82022	7.09952	6.7013	6.88557	6.52365	6.72801	6.62734	6.51815	6.84415	7.19827	6.59709	6.75072
ZNF491	3.17857	2.91316	3.12132	3.1203	3.57987	3.03288	3.23578	3.17146	3.71298	3.15532	3.54938	3.86376	2.98256	3.50494	3.32134	3.35278
ZNF492	4.15633	3.64857	4.73407	4.42997	5.44738	5.14236	4.16867	3.43351	3.49474	3.70919	3.24563	4.31399	5.46165	5.73779	3.52918	6.19381
ZNF493	6.65074	5.97118	6.65352	6.55834	6.42252	6.70223	5.06815	5.83	6.67388	6.85234	6.08176	6.26547	6.46008	6.56163	6.12252	6.82178
ZNF496	5.35171	5.96999	5.56396	5.01495	5.65057	5.25591	5.34859	5.63098	5.71411	5.74468	5.88373	5.90377	5.6132	5.66269	5.91054	6.30248
ZNF497	3.29685	2.31976	3.11137	2.88071	3.92606	2.39513	3.0573	2.58708	3.55701	3.05259	2.07483	3.29115	3.85528	3.79618	2.93032	3.2169
ZNF500	5.80193	5.00035	5.53494	5.63274	5.03555	5.74468	5.65592	5.24016	5.588	5.78459	5.08387	5.93792	4.55446	5.60986	5.72522	5.21894
ZNF501	4.82631	4.95856	4.77076	3.38369	5.01197	4.83812	4.7725	4.58601	5.34823	4.21305	5.3232	6.1277	4.41983	5.22492	5.06496	5.117
ZNF502	7.71275	7.01614	7.14059	7.22958	7.29217	6.68585	7.01754	6.56339	7.059	7.53935	5.37722	6.90283	7.23328	7.26516	7.1396	7.19867
ZNF503	4.33795	4.70503	4.64969	4.78042	4.72987	4.7593	4.86049	4.93488	4.50759	4.59647	4.49714	4.45971	4.93339	4.68478	4.72363	4.85406
ZNF503-A	6.18875	6.33063	5.07767	5.44738	5.3794	3.8659	5.7379	6.86331	5.69444	5.83509	5.78133	6.0385	4.59065	5.58961	4.97026	5.48056
ZNF503-A	4.35335	4.42618	4.04908	4.52167	4.38066	4.37563	4.06814	3.67421	3.56473	4.26048	4.58588	5.53362	4.7795	4.44382	4.25565	4.34748
ZNF506	6.94457	6.41548	6.56368	6.27471	7.66053	6.9671	6.51066	6.34603	5.96608	6.54101	6.72068	6.46847	6.83848	5.59367	7.07467	6.58441
ZNF507	6.82071	6.92458	6.17407	6.36119	7.23753	6.22295	6.10943	6.8099	6.82752	6.01053	6.40279	6.86317	6.95493	6.08074	6.73129	6.94242
ZNF510	6.86547	6.60667	6.90423	6.44417	6.43248	6.72663	7.07656	7.1297	6.85143	6.65583	6.03515	6.61625	7.1494	6.72244	6.71599	6.43737
ZNF511	7.73721	8.19619	7.2609	7.05101	7.31017	7.62934	7.68698	7.64368	7.91198	7.94787	8.19449	8.29543	8.15735	8.25651	7.33526	7.67994
ZNF512	6.90628	6.94474	7.24855	7.43168	8.01647	7.16436	7.6702	7.89062	7.14133	6.81012	7.08315	7.67591	7.18152	8.18148	8.29715	7.88823
ZNF512B	7.06005	7.81222	7.30509	7.38087	6.8177	7.97435	7.42977	7.47372	7.15193	7.82975	6.88127	6.46954	7.64985	7.93452	7.34076	7.39494
ZNF513	6.86547	6.90454	7.08351	6.16304	7.17445	7.33479	6.14076	6.77008	6.67421	6.10884	6.56975	7.68616	6.89158	7.54382	6.58204	7.33925

ZNF514	6.85717	5.79966	7.18387	6.2336	6.2778	6.73741	6.76291	6.23787	6.35794	7.20155	6.13608	6.33721	5.92669	6.58393	6.0877	6.67266
ZNF516	7.33098	6.13585	7.02115	6.6346	6.90336	6.31284	7.08726	6.80725	6.19667	7.26605	6.32734	7.49041	6.14124	7.50924	6.58996	7.02957
ZNF517	3.69182	4.81438	4.99255	5.50934	3.30882	5.08982	5.59967	4.45148	4.53517	5.51925	4.43705	4.88247	5.97812	4.21305	4.78962	1.66002
ZNF518A	6.31489	6.14652	6.40989	7.07685	6.55469	6.51344	6.129	5.96143	6.05478	6.39014	6.53922	5.77371	5.93903	5.87573	6.77308	6.51248
ZNF518B	4.9024	5.36625	5.50616	5.54416	5.6018	5.07278	5.40619	4.79626	5.10043	5.43118	5.25231	5.04479	5.02507	5.37412	5.33851	4.56336
ZNF519	5.21013	4.95395	5.77587	5.95001	6.3643	5.98632	6.07804	5.58393	5.31988	5.83348	5.563	6.20181	6.29584	5.59579	6.01152	6.27576
ZNF521	6.22203	5.13064	6.84156	5.63452	6.78637	5.27758	5.95799	6.06561	5.16028	5.75747	5.92959	5.76449	5.42632	4.40595	6.89947	4.57021
ZNF524	6.97241	7.40302	6.88851	6.37868	6.47846	6.545	6.55038	6.69137	6.46428	7.33171	6.65447	7.30674	6.53612	7.16246	6.59892	6.88898
ZNF526	3.38024	2.13825	4.60079	3.1994	3.94739	3.8659	4.46025	3.69279	4.92312	2.88148	2.73426	2.73426	1.93701	3.19708	3.34075	3.39583
ZNF527	5.23321	5.06976	5.26406	5.08913	5.30388	5.68688	5.52153	5.26424	5.89665	6.33835	5.33582	5.38983	5.63291	5.29914	4.96893	5.17978
ZNF528	6.57122	6.15228	7.08351	6.83636	7.46529	6.35116	5.50534	6.23123	6.10723	6.76108	6.42817	5.49001	7.08625	6.47506	6.51043	5.5419
ZNF529	5.2505	5.23042	5.57129	5.82	5.98826	5.8637	5.45313	5.4597	5.69299	5.48131	5.11999	5.43004	6.14165	5.57261	6.03469	5.92675
ZNF530	4.82631	5.80439	5.78941	5.77843	5.03304	5.69972	5.51451	4.1399	4.2082	5.22191	5.95773	4.93905	5.57823	5.52482	4.69327	5.3398
ZNF532	6.5777	6.16574	6.44808	7.2316	8.01099	8.05423	6.77043	7.42635	7.14861	7.53803	7.04241	6.97123	7.50665	7.88093	8.46536	8.1768
ZNF536	5.17427	5.44364	5.63605	6.04099	5.18283	5.40291	5.956	6.14347	5.58168	5.83166	4.9984	6.03432	4.85269	5.75522	5.67812	5.03176
ZNF540	5.07126	4.95791	3.96598	5.68679	5.83966	5.09503	4.76796	5.13199	5.0859	6.31802	4.45842	3.84816	4.54652	5.34359	5.65993	5.41796
ZNF541	5.61093	5.65243	5.91082	5.53655	3.76997	5.58627	3.74769	5.64861	5.58003	5.39029	4.08852	4.96683	4.63261	5.41012	3.90511	5.49475
ZNF542P	6.12451	5.93676	5.71886	5.79986	6.23544	5.38244	4.80793	5.39161	5.74209	6.02526	5.83837	4.36934	4.18876	4.1135	5.42776	5.33833
ZNF543	5.87483	5.20867	5.37462	4.74829	5.09839	5.82474	5.0047	5.91876	5.4207	4.83052	5.74677	4.85258	5.45118	5.53288	5.34195	3.42878
ZNF544	6.621	7.89362	6.74345	6.2291	6.97459	6.84879	6.94474	7.11036	6.74554	6.404	5.87873	7.50595	6.97702	6.48966	6.42252	6.99781
ZNF546	4.48312	4.44401	3.77762	4.37118	5.70326	5.02328	5.2912	5.83622	5.39064	4.50434	4.78714	4.48087	4.57269	5.36972	4.60609	5.62183
ZNF547	5.69638	5.65765	5.94931	6.01124	6.01633	5.58425	6.1291	4.97269	5.69738	6.12342	4.3581	5.7256	6.03567	5.63906	6.32149	6.21965
ZNF548	6.32556	6.8284	6.36872	6.61445	7.31853	6.95513	6.23151	6.53972	6.77786	5.7373	6.68208	5.87152	7.05016	6.14046	6.68677	6.85903
ZNF549	3.42813	4.69941	3.48538	3.1203	2.68714	3.8966	2.5047	1.61881	2.35886	4.45539	4.63606	4.51148	2.49591	3.33112	3.43307	3.38208
ZNF550	5.18643	5.39933	5.26618	5.48925	6.31477	5.65647	6.15904	5.83023	5.56314	5.26984	5.3128	5.82355	5.77513	5.91306	5.49998	5.9645
ZNF551	5.57414	5.17275	5.44744	5.15466	5.20375	5.11713	5.63541	4.67276	5.07091	5.20872	4.46162	6.02765	5.64632	4.65539	5.2212	5.37887
ZNF552	4.80946	5.28638	4.65435	5.07199	4.97556	4.9891	4.66076	4.9537	4.71667	4.78149	4.77579	4.41908	4.99415	4.59206	4.55201	5.01049
ZNF554	6.8869	7.46926	7.28084	7.38746	7.72891	7.62252	8.40127	7.53155	6.80111	7.29046	6.48848	7.70836	7.12375	7.54204	6.77805	7.21275
ZNF555	5.88796	5.61824	5.73609	5.88585	6.03028	6.32694	5.73754	5.84569	5.84375	5.78393	5.66409	5.44608	5.9966	5.69394	5.86108	5.77919
ZNF556	3.02599	2.49227	3.391	2.79365	2.85371	4.02752	3.23578	3.0093	2.73661	2.95492	2.38828	3.15604	3.00618	2.74868	3.04901	2.73131
ZNF557	5.32281	5.3128	4.83573	5.52374	6.63598	4.49101	5.87972	5.33742	4.88285	4.69923	5.97567	6.3542	6.3496	5.07767	5.63847	6.05003
ZNF558	7.42208	7.24254	7.74711	7.79216	7.86622	7.67728	7.86488	7.96772	7.39264	7.25544	6.94023	7.8616	7.62564	7.86813	7.81197	7.33712
ZNF559	7.22877	7.57764	7.04899	7.07704	8.91149	7.60871	6.38093	7.66255	7.41771	7.5405	7.29802	6.07264	7.09595	7.04472	7.19112	7.65874
ZNF560	1.44194	1.22235	0.36087	0.90097	0.59539	1.00765	1.18021	1.54991	1.53958	3.6977	1.59488	0.82494	0.93298	1.6809	1.08679	1.27255
ZNF562	4.80362	4.44939	5.6019	5.28356	4.89207	5.12829	5.5121	5.03914	5.53995	5.10822	5.24859	5.18508	5.84019	4.99664	4.67342	5.54464

ZNF563	6.79252	6.27208	6.70524	7.08717	6.75356	6.27789	5.94126	6.1163	6.11334	6.74311	5.0069	5.37322	6.91702	5.99767	6.51937	4.87251
ZNF564	7.16505	7.10181	6.06799	7.0915	7.59417	7.15313	7.42441	6.98472	7.7023	6.52602	6.78707	6.73987	6.66628	6.93854	6.82543	7.38917
ZNF565	3.91761	3.48434	5.68932	6.0218	7.72821	5.94995	6.02125	3.97032	5.90883	5.08644	5.31347	6.86826	6.65704	5.38794	5.15143	6.94884
ZNF566	4.24384	4.23261	5.48407	5.16743	4.47624	4.72201	4.43758	3.27157	5.00928	5.33725	4.36917	4.85258	5.10281	4.75817	4.78962	5.1616
ZNF567	3.57057	3.70305	3.83791	3.86719	4.29501	3.91498	4.23866	3.83495	3.80117	3.70332	3.61127	3.87671	4.78121	3.59587	3.90189	4.87083
ZNF568	3.6149	4.31815	4.2279	4.51133	5.25678	4.50994	4.37118	3.88996	3.77246	3.7606	3.69048	4.32423	5.36656	4.34781	4.45583	4.51133
ZNF569	4.56413	4.87993	5.25231	4.84458	6.17178	5.7065	4.58244	5.04565	5.17955	5.09551	5.67455	4.54431	5.46664	5.39469	5.53443	5.36981
ZNF57	7.2446	7.10605	6.28291	7.67213	6.9667	7.20671	7.52337	7.89522	7.14373	6.3127	6.96616	7.38774	7.37788	6.87959	7.11993	7.54929
ZNF570	6.03045	5.26342	6.26766	6.23107	6.3343	6.49706	6.12725	6.0437	5.69143	5.12503	5.15356	5.42694	6.09622	6.46176	6.16548	5.54517
ZNF571	6.36395	6.71607	5.62739	6.66684	7.07509	6.39462	7.14075	6.25805	5.94368	5.90647	5.74832	6.19445	6.73533	5.55115	5.55253	6.57554
ZNF571-A	2.21029	2.46272	2.11428	2.184	3.44117	2.21366	2.15094	2.67421	2.13825	2.15841	2.77081	2.97562	2.5663	2.16332	3.06557	2.69842
ZNF572	5.2775	3.71942	5.41479	5.19529	2.58828	4.18599	3.0573	3.91364	4.01633	5.33406	3.05202	3.4402	3.82075	5.08968	3.30762	3.18938
ZNF573	5.47087	5.99397	5.5785	6.3797	5.8566	5.58948	7.11341	7.16799	6.45101	6.30311	4.91574	4.34027	5.1487	5.82384	5.16727	5.09612
ZNF574	2.68367	3.01952	2.90619	2.69863	3.55491	4.48115	6.77986	2.88789	6.02244	4.24348	5.83329	6.03179	2.7137	3.8419	4.38741	3.17553
ZNF575	7.42103	7.64689	7.26915	7.74644	7.51529	7.57964	7.64131	7.75805	7.47582	7.24555	6.69167	7.81563	7.10505	6.23714	7.67469	7.20587
ZNF576	5.02813	5.17761	4.82516	4.6923	5.67296	4.13025	4.5792	4.96454	4.81026	4.80236	6.20059	6.35513	4.37968	5.68843	4.06652	6.35895
ZNF577	5.50757	5.7127	6.02581	6.35649	4.85246	5.9165	5.94499	6.34544	5.93156	5.77127	5.91276	5.782	6.75738	5.84343	5.9606	5.34487
ZNF578	4.74889	4.85148	3.38525	4.37434	4.81438	3.75611	4.26456	3.91797	3.1043	4.52313	4.17406	5.99754	4.35866	3.30262	4.91294	5.09551
ZNF579	6.72462	6.82691	5.83595	6.41555	6.12195	6.79557	7.25184	5.54537	3.48123	5.83234	4.98736	6.87459	4.01206	6.2729	5.36321	6.86237
ZNF580	6.06651	7.46847	7.20025	6.41692	7.45198	8.49162	7.3225	7.55949	8.18994	7.96472	7.40707	7.90347	7.39533	7.3511	6.99709	7.25345
ZNF581	5.00904	6.0737	5.95187	4.64889	6.58803	6.10352	7.29882	6.01489	7.09549	5.04176	6.28422	7.62888	7.28432	6.60805	6.88118	6.61479
ZNF582	7.24292	7.70549	7.31201	7.45587	7.48739	7.34053	7.38979	7.36993	7.54102	7.80379	6.72473	7.83799	7.57707	7.28227	7.52611	7.432
ZNF582-A	5.81064	6.12766	5.49051	5.1928	6.028	5.58393	4.09878	5.2126	5.56894	5.97729	5.70072	6.10182	6.18679	5.92433	4.87237	5.37479
ZNF583	5.88266	6.25872	6.0042	6.14115	6.04806	6.11134	6.25094	6.28643	6.2608	5.99084	6.02595	5.83474	6.29917	6.21309	6.35047	5.82532
ZNF584	8.11142	7.72221	6.0235	6.69435	7.76924	7.11869	8.12416	7.84679	6.88127	6.00788	6.05332	7.3755	7.74451	7.92449	7.42011	7.21213
ZNF585A	6.73828	6.48637	6.74902	6.87459	6.88287	6.41224	6.56664	6.395	6.80405	5.96269	6.54712	6.52859	6.57275	6.13317	6.32837	7.12611
ZNF585B	5.89886	5.74127	6.56788	5.88635	6.8284	6.48629	6.50178	6.18996	6.34299	5.61533	6.27492	6.48263	6.07787	5.88924	6.06384	5.8773
ZNF586	6.1584	6.19616	5.93839	6.08811	6.40989	5.65616	5.90883	5.83271	6.00057	5.84953	5.85334	5.79497	5.62634	5.64185	5.84212	6.13935
ZNF587	7.69369	7.19055	7.41663	7.07893	7.44574	7.85248	8.02694	6.98373	6.70325	7.00701	6.97241	6.5898	7.09521	8.22455	7.10453	7.62114
ZNF587B	8.25096	8.44095	8.41119	8.94789	8.59662	8.30659	8.86529	8.75563	8.11291	8.68206	8.27821	7.99865	7.8444	7.94275	8.28774	8.62243
ZNF589	4.61957	5.0905	4.85833	4.9039	5.08048	5.18671	5.4533	5.1836	4.97269	4.64269	5.36285	4.68671	4.33416	5.00425	4.99189	5.42284
ZNF592	6.79573	6.9514	6.74684	6.90439	7.02816	7.26183	7.52731	6.68585	7.3959	7.236	7.11689	7.21647	5.69615	6.90487	7.15303	7.37763
ZNF593	7.00944	7.2577	6.1219	6.69435	6.93736	6.51983	7.07656	7.15615	6.69482	6.32705	7.60189	7.06244	7.45055	7.58177	6.42834	7.07893
ZNF594	5.94405	6.16168	6.37023	5.09956	5.21738	6.08225	4.39716	5.97406	3.95179	5.87367	5.13985	5.59408	6.14261	4.40807	5.67778	5.81836
ZNF595	5.00773	4.50409	4.96907	4.98271	5.25696	4.53679	4.96712	4.90672	5.13166	4.66492	4.75199	3.68625	5.51629	5.26485	5.56983	3.73269

ZNF596	6.21786	6.70583	5.88708	6.35753	6.59384	7.15085	6.64337	6.8402	6.07188	6.58211	6.14693	6.30331	7.34315	7.40281	6.28422	6.8537
ZNF597	2.84032	4.51913	3.77425	5.01656	5.13353	3.54052	3.96598	4.42829	5.29777	4.65418	5.01151	4.47013	4.91999	4.42232	4.43516	4.55201
ZNF598	5.15808	5.3962	4.94486	4.95192	5.10115	5.51802	3.65133	5.09122	5.47252	4.99281	5.5025	5.06242	5.36713	5.38571	4.83644	5.09814
ZNF599	6.19616	5.71805	5.4498	6.41737	6.31081	6.05522	6.00684	5.55274	5.63203	6.45101	5.67007	5.71558	5.80414	6.33653	5.62739	5.58872
ZNF600	8.00376	8.83478	8.51278	8.52368	10.167	8.0555	9.98188	9.30638	7.77384	8.05346	6.75392	7.19136	7.70895	8.75563	8.98902	9.18179
ZNF605	5.73281	3.8954	5.78811	5.21236	5.90723	5.03413	5.80143	5.03697	4.89975	3.09991	4.29343	5.18	5.1339	4.69083	5.21707	4.00461
ZNF606	6.82274	7.0905	6.54549	6.40964	7.53557	7.02978	6.63529	6.7287	7.44871	6.33896	6.04232	6.76219	6.87888	6.79393	6.98142	5.58285
ZNF607	6.36554	5.97859	6.01704	6.11348	7.52405	5.57446	6.79806	6.9225	5.80782	6.35603	5.97046	6.89365	6.2141	7.58177	6.0246	6.67266
ZNF608	6.10003	4.92049	6.14411	5.82413	5.42977	4.63225	5.74968	5.35079	5.54309	5.0986	4.77035	5.66145	5.01477	5.44417	5.22694	5.2546
ZNF609	4.41214	3.8669	5.19731	4.49847	5.83271	4.47708	5.21531	4.28848	4.88984	4.99833	3.96967	4.43114	4.72417	5.48534	5.14791	5.03273
ZNF610	5.11682	5.74435	4.54463	5.56651	6.39408	5.80692	5.41755	5.9748	5.63434	5.67434	4.31762	4.13105	3.26844	5.35106	4.75761	5.94145
ZNF611	6.94474	6.65014	7.06455	7.08815	6.41388	6.86793	6.53433	6.70889	6.88467	7.14464	6.08682	6.05835	6.84076	6.73451	6.87285	6.70755
ZNF613	2.61145	3.09358	4.2003	3.1994	3.61465	3.50802	4.02856	2.64349	3.19069	1.28097	3.18189	3.25228	4.10293	3.54384	3.5512	3.45478
ZNF614	4.14509	5.29199	4.98805	4.9467	5.40727	4.4394	5.71755	4.542	5.11194	4.96284	5.57718	5.00335	6.13121	4.1368	5.46691	6.10217
ZNF615	6.27109	4.01765	4.61283	6.94509	6.91735	5.70543	4.3989	7.16207	6.34176	5.57542	6.9731	6.74984	4.10293	3.64454	6.14193	6.37694
ZNF616	4.95342	3.43168	4.16003	4.44343	4.42232	4.37155	4.97217	3.80894	3.9077	3.90548	4.69482	5.36187	3.98194	3.85006	5.0929	4.83417
ZNF618	6.14498	5.82637	6.43896	5.6454	6.33157	7.49594	6.37493	6.31746	7.46593	6.68752	5.79337	6.19189	6.64866	6.43077	7.28271	6.35401
ZNF619	4.18547	4.31399	4.53653	4.6811	4.51121	4.34547	4.05033	4.23662	5.56523	4.45539	4.47807	4.76177	4.86826	4.81051	4.4703	6.48848
ZNF620	4.57039	4.534	-1.4826	2.40724	1.26539	3.49365	2.56625	3.53745	-0.238	3.60777	1.03174	0.61335	1.68682	1.02124	1.61881	3.45478
ZNF621	6.04035	5.46928	5.24016	6.44674	6.10066	5.71193	5.89565	5.51756	6.08964	5.11814	5.94627	4.44294	5.19754	4.49101	5.48621	6.20951
ZNF622	7.77832	8.10362	7.8817	8.47001	7.96074	8.16548	8.22001	8.3717	8.40189	7.88778	7.87296	8.31666	8.12481	7.78949	7.92556	7.92262
ZNF623	7.30374	6.90756	7.52046	7.87727	7.72936	8.39449	8.34053	6.05079	7.28099	7.10988	6.75262	6.86641	7.58264	8.14551	7.59703	7.39325
ZNF624	6.32655	5.81537	4.87909	5.86075	5.62849	5.40039	5.17316	5.20188	5.60018	4.39917	5.78133	4.84861	4.91397	4.27418	5.62497	5.4554
ZNF625	4.78908	4.43918	3.51672	5.03262	5.26818	5.41963	3.32901	3.02948	3.48123	3.42914	3.0131	2.97562	5.63647	4.68646	3.12323	4.66581
ZNF626	6.59531	5.58501	6.47202	6.6596	6.40072	5.74444	5.91892	4.66526	5.26039	6.23354	5.11644	6.6689	6.50329	6.16037	6.2599	5.28856
ZNF627	5.73335	5.51334	5.71084	5.92548	6.19445	5.53362	5.86084	5.6426	5.64395	5.68495	5.55129	5.92319	6.01839	5.22858	5.49711	5.87662
ZNF628	4.6416	3.79628	4.47125	5.5717	5.47955	4.63716	6.37377	5.3634	5.63045	4.88336	6.31431	5.47823	6.03949	6.54494	5.82511	5.91594
ZNF629	7.86759	8.24674	7.78315	7.95868	8.1862	8.45232	7.98057	8.39318	7.91731	8.46622	7.23549	8.69101	7.56047	8.22402	8.50585	7.98508
ZNF630	3.17857	3.69964	2.48448	2.83422	2.53024	2.53476	4.83835	3.39861	2.47145	3.46275	2.15913	5.01256	2.6465	3.0362	3.71004	3.26138
ZNF638	6.94762	7.5749	7.09223	6.94256	7.30705	7.23443	7.41527	7.43016	6.75751	7.35032	7.28271	6.99169	6.9731	6.93502	7.40382	7.0576
ZNF639	6.32792	7.24953	6.66401	6.38992	7.21707	6.97577	7.32914	6.18294	7.22861	7.22752	7.28046	6.61056	7.392	6.51169	7.12179	7.47555
ZNF641	5.33989	5.38226	5.66331	5.56798	5.0694	5.45648	5.92597	5.26828	5.55036	5.07725	4.95474	5.42284	4.88909	6.07229	4.85998	5.18
ZNF644	4.16516	4.37039	4.70881	4.71174	6.16895	5.19701	4.33712	4.33979	5.01078	4.36974	5.52833	4.66808	5.44628	4.68457	4.42618	4.59852
ZNF645	6.33746	5.05415	5.29126	5.63391	5.99529	6.1219	6.21754	6.37758	6.02933	6.41859	6.12794	6.1153	6.09728	6.45819	6.48933	6.06992
ZNF646	3.26635	2.63607	2.77497	3.1203	3.22566	2.58692	2.58845	2.2672	2.76258	2.31329	2.36593	2.38821	2.98256	3.18151	2.04035	3.57557

ZNF649	3.73406	3.71942	4.21937	4.89377	5.93145	4.52501	3.23578	4.63743	5.52482	4.34627	4.32438	3.21231	5.47507	3.86642	4.33642	3.28662
ZNF652	6.6267	6.67388	7.43168	7.76765	5.89327	7.10635	6.93064	5.20862	6.54702	7.58702	5.94774	5.82226	5.29608	6.67956	6.65377	5.74275
ZNF653	4.16747	4.07031	3.4928	3.20725	3.7862	3.67981	3.9093	4.24304	2.9644	3.12473	2.89422	3.9598	3.22508	4.34089	4.11132	4.92697
ZNF654	5.83334	5.67529	6.2054	5.40826	6.32263	5.8521	5.9554	5.91721	5.80045	5.77151	5.56468	5.51418	5.77111	5.7541	5.78611	6.07473
ZNF655	5.85003	6.77245	6.97076	6.77216	6.84053	7.10564	5.95954	6.76182	6.95361	7.25599	6.93816	6.29559	6.67922	6.63824	6.67543	7.35785
ZNF658	4.47048	5.40753	5.04282	5.28175	7.43362	4.95513	3.08298	5.3451	6.1599	5.7037	4.68317	5.46793	5.93689	5.47358	6.33094	5.55587
ZNF660	2.58692	4.34246	4.82733	4.56912	3.59057	5.49044	4.63503	6.51165	5.91964	3.11051	3.64434	3.27772	4.63261	3.12884	3.72694	5.77235
ZNF662	6.91919	3.01952	3.0591	5.48763	5.1722	2.99117	1.03884	4.87281	5.09913	6.815	3.8679	3.25228	5.26645	3.09139	5.47619	1.96263
ZNF663P	3.32431	2.86158	4.36468	3.33739	3.07162	3.09851	4.27634	3.6374	3.09248	3.60777	2.80891	3.42733	3.53101	3.9369	3.74409	3.78507
ZNF664	7.17259	7.38957	7.16495	7.33565	7.42325	7.37382	6.77897	6.63097	7.20682	7.24802	6.11348	7.05016	6.70344	7.22216	6.96017	7.19309
ZNF665	7.80162	7.32884	7.19095	7.09252	7.4825	7.78225	7.28961	6.9154	7.38152	7.58117	7.53953	7.36492	7.165	7.58523	7.737	7.52301
ZNF667	5.61798	3.94748	4.2019	5.65144	4.6197	3.61993	4.78336	3.46635	5.45613	5.9817	5.79475	4.18553	5.50113	4.73108	4.0977	5.36209
ZNF667-1	6.8873	7.51973	6.84306	7.73791	6.19375	6.83308	5.79032	6.8336	6.7877	8.85787	6.19608	6.50683	6.76807	6.4173	6.56058	6.79281
ZNF668	3.86554	4.29522	4.56991	4.39799	4.51562	4.1094	4.30792	4.37039	4.08687	4.06086	4.53328	5.155	4.45172	4.64244	3.74811	4.39789
ZNF669	6.48815	5.40205	5.83248	4.4487	5.93782	5.302	5.61119	5.96948	5.93318	5.67091	5.93924	6.44906	4.59065	5.63022	6.32101	6.17903
ZNF670	2.00108	2.61396	2.44429	5.13767	3.79424	2.21366	3.00912	2.34717	2.53538	3.11051	3.97251	3.18013	7.35212	5.27102	5.00294	4.23617
ZNF671	5.89078	6.83716	6.97745	7.12636	6.46905	6.23022	5.24432	6.72244	6.37156	6.89005	5.58568	6.48329	6.1916	5.741	6.13042	6.05071
ZNF672	6.27938	6.44753	5.94581	6.17343	6.2736	5.84375	6.36743	7.05384	6.49401	6.7903	6.6695	5.89644	6.70511	5.97212	6.47043	6.45214
ZNF674	3.68019	3.35252	2.53621	-0.5013	2.36593	2.15563	3.2194	1.14774	4.04754	-0.1724	2.8192	1.01454	3.82075	2.51368	1.08679	0.42629
ZNF674-1	5.61093	5.93392	5.76173	3.06525	4.67141	6.13305	5.15052	5.86617	5.55954	5.19273	5.56646	4.21622	6.22022	6.13502	5.66145	5.42665
ZNF675	4.35066	5.38715	4.69482	5.42787	5.75592	5.1154	5.31867	5.25678	5.39807	4.39244	5.50891	4.66059	5.87597	4.06652	4.83434	5.55298
ZNF677	6.03781	5.14895	5.14097	6.19282	4.65818	5.00035	3.56237	5.06859	4.48935	6.20911	4.85711	4.26259	4.14568	4.18485	4.22596	4.08875
ZNF678	5.40039	5.24694	5.54883	5.76919	6.55717	5.58353	6.28188	5.13261	6.12794	5.45098	6.55443	5.31338	5.73235	5.90706	6.91463	5.68304
ZNF680	7.20734	6.99294	6.97236	7.72953	7.83082	6.80664	7.10928	6.59049	6.61013	6.18713	7.31093	6.05086	7.73431	6.52767	7.94881	8.00881
ZNF681	5.07857	4.20875	3.80927	3.47956	6.20071	3.64596	2.59761	3.8951	2.89142	3.6436	4.00266	3.93534	4.44041	4.39799	4.36688	5.14845
ZNF682	4.34748	5.27954	5.35968	4.37665	5.92548	5.71558	5.67007	4.82406	4.67688	4.77515	4.17584	4.17633	5.30223	5.43934	4.90793	5.2073
ZNF683	7.019	6.99083	7.94735	6.75602	6.83226	6.94752	6.67527	7.90591	8.14205	7.19373	6.36922	7.59726	6.21022	6.98769	6.45551	7.03216
ZNF684	4.27298	5.07488	5.45261	4.1555	5.35208	5.32521	4.86383	5.15599	4.14154	4.70049	5.73904	4.81026	5.68032	5.16681	5.69143	5.78287
ZNF687	5.26686	6.12201	5.35407	5.563	6.11965	6.4479	6.37833	5.68798	7.12889	5.34869	4.94764	6.132	6.06337	5.88181	5.44505	5.1616
ZNF688	4.94486	5.36928	4.70238	5.19321	4.42997	4.65251	4.43413	4.78093	4.89207	4.981	4.57949	4.95776	5.14439	4.77406	5.02351	3.91963
ZNF689	6.39959	6.60313	6.41612	6.56368	6.55633	7.42868	6.33933	6.71649	6.72015	6.36841	6.6643	6.79668	6.80813	6.88898	7.03719	6.36158
ZNF691	6.30532	5.94415	5.01027	5.5524	6.67694	5.69627	5.97229	5.65668	6.75819	4.90621	5.92694	6.6845	5.95749	6.2729	6.45428	6.98813
ZNF692	7.25544	7.32518	7.29564	7.28361	8.06823	7.0257	7.36709	7.51548	7.17933	7.3704	7.20098	7.78225	7.67251	7.68887	7.67515	7.73862
ZNF696	7.51308	7.03226	7.20682	6.91931	6.58264	7.21191	7.53761	7.32487	7.2577	7.15615	6.34126	6.97964	7.00096	7.23281	7.15825	7.02816
ZNF697	6.791	6.69702	7.14209	7.02091	6.81108	7.64325	6.9731	7.5342	6.8106	8.04991	6.91486	7.39156	7.52611	7.62288	7.38684	7.31041

ZNF7	5.52597	4.95325	5.20269	5.36879	5.87972	5.90531	6.26313	5.1064	6.00833	5.2058	5.32566	5.51686	4.76445	5.67417	5.48534	5.68425
ZNF70	5.65081	4.92917	5.56992	6.32966	3.85505	5.20294	5.96182	6.39024	6.98222	5.09188	6.23752	6.65525	5.66277	5.84738	6.43539	5.55298
ZNF700	6.54427	7.29172	8.217	7.40248	7.74898	8.07707	7.47555	8.16729	7.81549	7.29772	6.80913	6.13746	7.20458	7.07219	7.15406	7.38493
ZNF701	5.43688	6.2407	5.13192	5.0222	6.24509	6.53264	5.83411	5.94989	6.44114	5.83837	5.10572	5.91616	5.07257	5.48503	6.44405	6.4977
ZNF702P	5.29504	5.32827	4.15015	3.23213	3.95816	5.62765	3.93793	5.55549	4.95856	5.14202	3.43836	4.74678	5.35451	4.06652	4.87602	5.04401
ZNF703	9.48305	8.42443	7.5477	8.82099	7.72199	9.17096	8.19817	4.58601	7.98688	8.31755	4.8423	8.28729	4.93756	7.91303	4.6631	7.44942
ZNF704	6.02244	5.16611	5.60018	6.00566	4.84458	5.62406	5.37281	4.32063	5.38104	5.90076	4.27998	5.11909	5.56538	4.44519	5.19496	4.50964
ZNF705G	2.13523	4.30874	1.68451	1.80217	4.11679	1.68859	1.73976	3.25357	3.5404	3.60777	2.90046	2.66471	3.30026	3.9369	3.92173	3.49413
ZNF706	7.92801	7.67863	8.07429	8.16319	7.75049	8.18026	8.66141	7.87581	7.62888	7.43362	7.61901	8.21863	8.58812	8.86457	8.32985	8.25405
ZNF708	6.00566	5.75101	6.47173	6.21493	6.36582	6.09668	5.27542	5.29702	6.08246	5.22455	5.04544	5.10586	5.51666	5.40055	5.65551	5.32654
ZNF709	6.03254	6.06884	6.06726	5.86472	5.37759	5.66603	5.6896	5.96464	5.78301	6.13713	5.16345	5.7765	5.96086	5.02308	5.8829	5.61701
ZNF71	4.02672	4.79031	4.10658	4.22367	4.52222	4.28288	3.84331	3.86393	4.47351	4.20918	3.31025	4.46879	4.47464	3.99679	3.77177	3.88146
ZNF710	6.35436	6.6373	6.72985	6.46712	6.64866	6.53612	6.7229	7.03205	6.80475	6.83449	6.35595	6.53093	6.7877	6.8608	6.82203	7.13978
ZNF711	4.85938	4.53994	4.92491	5.02507	6.19859	4.64564	6.68077	5.47252	5.80863	4.76965	5.40326	5.81272	4.69418	4.56925	6.40233	5.99921
ZNF713	0.11027	1.27177	1.23236	2.06899	0.84574	1.09519	2.06028	2.04007	2.81157	1.74155	2.77081	1.54854	2.92938	1.36152	3.04901	3.53602
ZNF717	4.51071	4.2363	4.1422	3.46478	4.49089	3.38369	4.2698	5.41358	4.97295	3.84757	4.56679	3.90886	2.85077	4.74035	3.88402	3.55585
ZNF718	5.29269	4.25546	5.3574	3.4974	4.45556	4.45523	4.25266	4.1861	4.65006	3.6733	3.41135	5.38177	5.31338	4.64174	4.99162	4.21802
ZNF721	9.73676	9.26222	9.93225	9.15499	9.03764	9.4889	10.2804	9.57352	9.59677	9.19751	8.82977	9.23319	9.20992	8.96961	9.32203	9.04992
ZNF732	3.82659	4.28639	3.83039	3.22488	2.87786	3.80927	4.26465	2.96767	2.90919	2.17949	4.21647	3.69848	3.81426	4.26025	1.93131	3.47567
ZNF736	6.66527	6.85619	6.59992	7.06405	7.41841	6.76094	7.18675	6.39306	6.11888	6.51534	6.28161	6.41612	6.86503	6.85008	7.58194	7.5111
ZNF738	6.78095	5.4188	7.02888	7.21275	8.06643	7.61148	7.51042	7.27347	6.6732	6.44352	6.64772	7.08123	7.66502	7.34905	6.75996	7.78949
ZNF74	5.45098	4.7048	4.57315	4.82671	6.29463	6.36055	6.29011	4.76092	5.23459	4.72336	6.00057	5.68702	6.77848	6.55469	5.96394	4.7492
ZNF740	5.64861	6.34906	6.07712	5.87081	5.95993	6.14896	5.84691	6.08039	5.50341	5.34851	5.25591	5.22148	5.71731	5.44017	5.5755	5.0241
ZNF746	6.03545	5.39252	5.16185	6.69641	6.642	6.92547	6.1326	5.7148	6.58459	5.26177	6.3799	6.65137	6.65179	6.75866	7.01269	6.83636
ZNF747	6.25856	7.02351	6.66212	6.43544	6.94991	6.48777	6.38192	7.08361	6.85595	6.71775	6.3379	6.83716	6.34254	6.78362	6.78618	6.61757
ZNF749	5.95608	6.5736	5.99607	5.94594	5.87497	5.94701	5.80714	6.16942	6.17896	5.83989	6.01229	5.8676	5.50625	5.85334	5.52397	5.61508
ZNF750	7.48312	5.76009	5.25704	5.09667	4.41516	4.30395	8.63161	1.67907	5.99957	5.85135	7.68518	0.82494	4.14977	5.04615	6.61768	1.21992
ZNF75A	7.23363	7.1525	7.00157	6.87678	7.5305	6.8657	6.81715	7.09619	6.97459	7.37995	6.71649	6.90322	6.10768	6.64925	6.56368	6.23761
ZNF75D	3.91527	3.85758	4.98301	4.64112	4.96907	4.7474	4.55918	4.44608	4.53938	4.50274	4.65837	4.09067	4.37397	3.84597	4.24058	3.68942
ZNF76	6.47995	6.70136	5.26567	6.11348	5.39382	6.10352	6.34043	6.47261	3.19069	6.22424	5.6503	6.07483	5.79876	6.57417	5.6169	6.26933
ZNF763	3.55696	2.39894	2.51089	4.5638	3.89212	3.06924	2.55644	2.28447	2.27178	2.81469	1.89001	2.85325	2.09896	1.87545	3.96071	4.0831
ZNF764	6.98472	7.22538	6.98426	7.24986	7.5475	7.47778	6.08176	7.57423	7.66756	6.86887	6.81108	7.58194	7.09664	6.80002	7.70099	7.22399
ZNF765	6.30924	5.90328	6.03254	6.33496	6.31723	6.33597	6.51983	6.20107	6.08375	6.16438	6.11372	5.77873	6.10003	6.04891	6.14382	6.38192
ZNF766	7.65963	7.67005	8.02082	7.64214	8.69356	7.36089	8.46832	8.48593	8.29662	7.50009	6.95472	7.20391	7.93704	7.90074	7.84084	8.07874
ZNF767P	7.46126	7.21753	7.2181	6.72378	7.3591	7.65946	7.34542	7.27445	7.62599	7.77611	6.31081	7.55068	6.67853	7.39475	7.83137	7.68633

ZNF77	4.48593	3.55406	3.86719	3.84116	5.44182	4.62341	6.00397	4.60855	4.07228	4.61302	4.22631	5.33833	4.58146	4.18531	3.84298	5.25618
ZNF770	5.77035	6.1163	5.99734	6.61138	5.88481	5.7242	6.74939	6.08253	5.56754	5.6096	5.40648	4.48593	5.74468	6.28643	6.15646	6.23931
ZNF771	3.25579	3.43618	3.75383	3.32744	3.53349	3.29636	2.82741	3.52647	3.62864	3.41088	3.1636	3.84226	2.74745	3.38712	2.88648	2.56705
ZNF775	5.48818	5.8734	4.99704	4.92713	5.13767	4.98499	4.74249	5.23178	5.25974	5.0902	4.75746	5.69071	5.56557	4.96826	5.05901	5.42705
ZNF776	8.11826	8.21557	8.46536	8.23628	9.14447	8.48742	9.07714	8.17086	8.18097	8.51853	7.92598	7.77319	8.16319	7.86571	8.40189	8.7291
ZNF777	4.39747	4.64174	4.52451	4.4524	4.21576	4.7747	4.69958	4.31266	4.03231	4.60464	4.55918	4.65137	4.35788	4.85938	4.67236	4.5743
ZNF778	6.4651	6.6178	6.51077	6.46414	6.79643	6.56324	6.55426	6.90974	6.59478	6.29537	6.75043	6.45075	6.36158	6.90832	6.94306	6.90283
ZNF780A	4.77857	4.77269	5.56679	4.88353	6.39148	5.14549	5.51334	5.22765	5.43394	5.83859	3.46252	3.3065	5.59977	5.80045	6.18119	5.8784
ZNF780B	4.37118	3.9365	3.89385	3.65619	4.6393	4.19874	4.39454	3.56191	4.08601	4.39747	3.56531	4.11419	3.74341	4.19674	4.0195	4.0743
ZNF781	5.49001	6.04232	5.52616	6.16376	6.21509	6.23514	6.10197	6.47531	5.61631	5.38359	6.08239	5.19321	6.39572	5.72333	5.7212	6.41177
ZNF782	2.40819	3.42761	2.82464	4.75966	4.94529	5.30537	4.60294	4.6439	3.98331	2.85867	2.97056	2.36593	2.73615	4.97045	5.40039	5.50582
ZNF783	6.54488	5.59746	5.89386	6.54223	7.58583	6.25955	7.50536	5.81223	5.9345	5.11956	6.75235	7.1777	4.534	6.41254	6.74902	7.46003
ZNF784	6.11493	6.65423	5.75475	4.1095	6.93323	6.96157	6.05296	5.7594	6.68791	5.93047	4.83353	6.71614	5.69979	6.24419	4.86513	6.52839
ZNF785	4.04908	4.27968	4.35656	4.42805	3.91868	4.90583	4.23311	3.483	4.22833	4.4943	3.78217	3.70908	4.11592	4.36498	4.37224	4.32243
ZNF786	5.73664	7.22682	7.35385	7.28271	7.14971	7.42114	6.68534	5.71747	7.45647	7.14246	6.70913	6.40577	7.09238	6.42945	7.58402	7.68379
ZNF787	4.26259	4.65281	4.50964	3.98251	4.74543	4.33436	4.00145	4.48422	4.13219	5.07257	4.76131	4.53352	4.1339	4.69327	4.07882	4.28111
ZNF789	4.58614	5.7854	4.72363	4.46039	5.17834	5.13607	5.22492	5.09772	4.55379	5.02465	5.10247	4.57597	5.27088	4.64068	4.92713	5.49803
ZNF79	3.58989	3.88851	3.68625	2.74824	3.83857	3.62162	4.07722	4.17614	4.19082	3.62918	3.3441	4.12946	3.87707	3.58062	3.94359	4.37497
ZNF790-A	6.49232	6.66349	6.82917	6.68978	6.85158	6.54152	5.6056	6.70913	6.47587	6.57234	6.20878	6.57101	6.8108	5.37653	6.35565	6.55469
ZNF791	8.03983	8.21223	8.09933	7.97484	7.28879	8.30299	8.7811	7.07329	7.43803	7.40302	6.99069	6.27405	6.17407	7.85571	7.88907	6.841
ZNF792	3.9256	4.90215	4.45763	4.78392	5.20269	4.14087	2.39011	2.34717	3.11326	2.44811	3.19795	2.71947	3.85528	2.25724	3.23099	2.4366
ZNF793	5.67948	3.53745	3.7147	3.6256	6.64127	4.0956	3.32901	4.06126	3.88943	3.60777	3.7868	5.28266	2.88174	2.82083	6.58204	5.41552
ZNF8	4.78521	4.73788	5.14578	4.99121	5.70963	5.33725	5.27776	5.00736	4.64929	5.6972	4.47585	4.97832	5.09309	5.36141	5.0723	4.88575
ZNF80	3.79639	3.80592	2.42383	4.81755	5.35918	3.37812	4.75355	3.23218	4.98208	4.02075	4.2954	2.34474	4.65932	2.01506	4.38741	2.51437
ZNF800	3.74192	3.93018	3.82141	4.87464	4.5797	3.66658	4.30957	4.08085	4.61047	4.84794	4.33389	3.91647	4.46421	4.24932	3.75544	4.78336
ZNF804A	5.60724	6.78565	5.93974	7.38458	6.11853	6.88208	7.01865	6.21452	6.50689	6.2132	6.27756	6.06289	6.53612	5.78361	6.76031	5.96981
ZNF804B	1.60375	2.10562	1.52785	1.3754	2.2597	2.03544	2.73211	2.34717	2.92006	4.29458	3.05202	4.10127	4.2792	2.99448	2.9127	2.4366
ZNF805	6.46606	5.91457	6.68235	6.15028	6.94256	6.68004	6.92962	6.10303	6.39462	6.72743	6.2358	5.129	5.89763	6.6849	6.54101	5.3654
ZNF808	7.48739	7.76234	8.00205	7.44622	7.35865	7.50686	7.54991	7.63234	7.42441	7.75348	6.94198	7.14716	7.4188	7.66558	7.1553	7.48191
ZNF81	4.76067	4.77111	5.26908	5.29334	4.63315	5.42868	5.0418	5.34812	4.66277	5.07178	5.04584	4.9789	5.14928	5.67113	4.45498	5.34161
ZNF813	7.68253	7.29957	7.18562	7.53729	7.50206	7.71037	7.5216	7.29401	7.12034	7.04784	6.95677	7.05931	5.34576	7.09122	6.65787	6.99729
ZNF814	3.72504	4.59703	4.45148	3.98218	4.75713	4.38261	4.42805	3.69784	3.80719	4.196	4.14815	4.24079	4.41476	3.31792	4.10722	3.96768
ZNF818P	4.88429	5.18175	6.08394	6.82737	4.69294	5.41796	5.07488	5.27501	4.87525	4.6502	4.80389	4.73468	5.61052	4.7744	4.84645	5.19994
ZNF821	3.58062	3.85528	3.63078	3.57207	4.14477	3.80694	3.48415	3.38712	4.58019	3.50071	3.51927	4.60868	4.32759	3.6256	3.11888	3.50687
ZNF823	6.10937	5.35839	5.69472	5.89763	6.96309	6.44212	6.88076	6.59245	6.34674	6.42492	6.59677	5.80388	6.44179	5.81954	6.00366	6.46984

ZNF826P	4.91594	5.34161	5.76118	5.97318	6.74735	3.97783	5.8151	4.44582	4.26713	5.74024	6.26067	6.08511	5.6242	6.90705	5.61352	5.56581
ZNF827	5.72395	5.37627	6.12371	5.75467	6.4399	7.29816	6.82452	6.07956	6.76495	6.49041	4.88015	5.85864	5.4497	6.60467	7.06232	5.66899
ZNF829	4.05898	4.91999	4.52648	3.92393	6.26477	5.61104	4.467	4.61563	4.93512	5.48455	4.12652	5.2845	5.71141	5.91675	4.45556	5.05799
ZNF83	6.23199	5.87819	6.91402	6.51748	5.68283	5.64247	3.06788	5.45694	5.41267	4.89581	5.76449	3.98251	5.52519	5.40516	5.72333	5.65844
ZNF830	8.09695	8.02016	8.77378	8.371	8.60404	7.56828	7.33347	7.02233	7.43659	7.41771	8.31415	8.31755	7.65208	7.43124	7.56138	7.8749
ZNF831	3.41904	5.60785	6.25576	6.65833	6.71482	6.41115	4.74543	6.35963	6.61659	3.1027	5.95902	5.84166	5.11002	4.13607	6.36589	5.54441
ZNF835	3.32431	2.04582	2.14348	2.50291	2.21727	2.21366	1.68451	2.17246	1.92414	2.42411	2.52439	2.75185	2.42653	2.65463	2.21248	2.22886
ZNF836	5.21626	5.24111	5.04615	5.08822	5.12344	5.35722	5.49192	5.40356	4.89146	4.90301	5.08461	5.24859	5.28736	4.73171	4.90583	5.13806
ZNF837	3.27385	3.36231	2.16598	4.04908	3.02476	3.10996	2.44059	2.06028	2.60451	3.67571	3.95084	2.64349	3.03207	3.38774	1.98584	3.3464
ZNF839	7.75388	6.85143	6.93602	6.70784	7.2117	6.81741	6.77216	7.11489	7.2924	6.8119	6.53856	6.4743	7.28046	6.81688	6.85861	6.86866
ZNF84	8.29063	7.7985	8.10956	7.47017	9.21483	8.51627	8.39657	7.90074	7.9954	8.32213	7.41461	7.10108	8.41642	8.69402	8.76878	8.16518
ZNF843	6.66911	6.3542	5.95685	6.09528	5.42007	5.55753	5.8673	6.26266	5.75522	6.1209	5.66603	6.31219	6.1627	5.89737	5.50898	6.15008
ZNF844	6.38452	5.91251	6.19975	6.25856	5.49487	5.48534	5.59067	5.61304	6.41627	4.96737	5.80427	5.65306	5.41012	4.42075	5.2021	4.98644
ZNF85	5.54484	6.61895	6.88783	6.20478	7.74178	6.0605	6.6178	7.03928	6.11906	6.36743	6.33001	5.93577	6.9158	5.70907	6.80739	6.79158
ZNF850	6.29994	6.72968	5.85199	6.8608	7.42821	6.54728	7.0936	5.93164	6.16838	6.32705	6.25692	6.55943	6.61659	6.231	6.68879	6.9078
ZNF852	2.88015	2.65522	1.13258	0.29867	1.48455	1.59197	0.48337	1.22235	1.45473	0.18982	1.54854	3.52665	2.52228	0.62135	1.35876	2.86424
ZNF853	4.166	2.98563	2.50987	3.52398	3.85006	3.41948	2.80388	2.52957	2.6628	3.41197	2.96542	2.92706	2.85497	4.38357	3.19822	3.08498
ZNF862	6.44513	6.57067	6.6689	6.60899	7.60433	7.49816	7.54819	6.8869	7.41841	7.23672	6.22736	6.39914	6.08635	7.22925	7.81302	6.53064
ZNF865	4.27968	4.99307	4.93473	4.30999	6.14229	6.2804	5.65634	6.00971	5.55676	5.18461	4.28639	4.89423	4.92321	5.60018	5.06996	5.01322
ZNF876P	0.62135	2.51658	2.53621	-0.2642	2.58828	1.32117	-0.238	1.96139	2.35886	2.83032	0.24178	-0.133	2.46016	1.72157	1.22113	1.54854
ZNF879	6.85882	6.95742	6.8874	6.66985	7.19145	6.92227	6.48103	7.45743	7.23093	6.96694	6.58326	6.61919	6.75796	6.71047	6.86793	6.94188
ZNF880	6.38629	6.25856	4.90439	5.69071	6.6295	6.27228	4.26368	4.80084	6.41639	6.11019	5.40619	5.54441	5.0413	4.59806	5.72881	5.7566
ZNF883	3.52524	3.6935	3.12132	4.83683	5.8772	3.68688	2.96225	4.56358	3.29007	4.17211	4.91661	4.14691	1.97096	4.99322	2.63378	7.432
ZNF891	4.40791	5.54464	5.448	5.66702	6.28785	4.7668	5.71182	2.52957	5.24379	5.55753	5.08811	5.11486	6.44006	5.95819	6.02255	5.776
ZNF90	4.21462	5.06524	5.02484	5.43831	4.18221	5.16691	5.14682	5.56628	5.54563	5.30184	4.44812	4.70518	6.14652	4.90027	5.05678	2.73131
ZNF91	4.81497	4.6313	5.65486	5.63311	5.3496	6.02652	5.71324	5.64746	4.42002	4.79101	4.9891	5.0694	5.76224	5.00797	5.46994	5.76009
ZNF92	4.3801	4.88621	5.57918	4.85515	4.79407	4.36649	5.06242	5.71324	5.81938	4.51056	4.58199	5.73492	4.50994	4.95945	4.78005	5.11999
ZNF93	4.40913	5.58168	5.68373	5.66772	6.6682	5.12426	5.68092	5.75436	4.35703	5.03249	6.134	5.32654	6.39062	5.65675	6.07473	5.70755
ZNF99	3.6493	2.88857	3.98277	3.93299	4.64981	4.73761	2.94481	1.93871	4.11056	4.14477	4.14041	2.43058	3.63634	1.99402	3.09945	3.94083
ZNFX1	7.8415	7.94585	7.85305	7.49338	7.72534	8.16548	7.18981	9.05969	8.51686	7.4084	8.19639	7.59021	7.68633	7.90768	7.75146	8.01263
ZNHIT1	8.89159	8.71228	8.55929	8.66226	7.80586	7.59745	7.95239	6.99156	7.25884	8.60654	8.45696	8.46622	8.60291	8.66183	8.63631	9.11792
ZNHIT2	2.67331	1.43286	1.45473	2.60305	1.91466	1.88334	2.07807	1.75959	1.84643	2.17636	1.69143	2.75925	2.7882	2.98013	2.30796	2.54725
ZNHIT3	7.69867	8.49014	7.74368	8.98463	9.34263	8.51686	9.60844	8.22174	7.84464	7.99026	8.60522	7.64185	9.27221	9.43543	9.39963	9.4807
ZNHIT6	6.10359	5.83559	4.95945	6.38787	6.16152	5.4433	6.92547	5.22214	4.85485	4.53375	5.8578	5.86631	6.77322	6.54152	5.22241	5.51506
ZNRD1	4.52188	5.82226	4.94373	5.51128	5.52199	5.2999	5.14061	5.12503	5.27116	5.46207	6.00522	5.8191	5.57066	5.64645	5.30292	5.78092

ZNRD1-A	3.68625	4.19738	3.85936	3.82111	5.08609	5.31355	4.89718	2.9008	4.9541	4.62263	4.26443	3.60803	5.21285	4.16478	4.80964	4.20362
ZNRF1	6.60555	6.77874	6.21299	6.02617	6.846	6.99644	6.63133	6.34101	6.92547	6.3109	7.9697	6.98813	6.75415	7.7461	7.19551	6.99808
ZNRF2	4.29676	4.46104	4.46162	4.55446	5.47786	4.49797	5.36859	5.4188	4.8766	4.43688	5.17323	5.0651	5.4737	4.70238	5.29032	5.16701
ZNRF2P1	2.16905	3.04911	2.02586	2.88071	2.02496	1.995	2.39011	2.78286	2.76258	3.09196	2.83774	2.24796	3.19903	1.59381	2.65173	1.98412
ZNRF3	7.59076	7.46202	7.82408	7.7793	8.24077	7.81773	8.56598	7.8802	7.8597	8.22239	7.10149	7.51193	7.67005	8.44675	8.0913	8.24153
ZNRF4	4.20928	4.71408	4.26508	3.95382	5.23329	4.36427	3.8062	4.07245	4.3125	4.23056	5.99244	6.14938	4.61995	3.94866	4.57172	3.10689
ZP1	2.58692	4.32699	3.807	3.30112	3.64173	3.52398	2.8619	3.23218	2.03262	2.34717	2.34474	1.80953	2.04398	2.57571	2.3168	3.82034
ZP2	3.29685	2.99228	3.42172	2.00313	3.01001	3.49365	3.6755	2.731	2.67969	3.09196	3.15604	2.8813	3.89335	3.10839	3.82329	5.27193
ZP4	6.39199	5.99803	6.0945	5.76238	6.45523	5.63647	6.85319	6.13354	5.88688	5.83989	5.82837	5.51774	5.85541	6.51802	6.29946	6.09746
ZPBP	5.94267	6.28161	5.26567	6.24835	5.41899	5.98542	6.45517	6.54687	5.53587	5.25952	6.25358	6.17087	6.14906	5.83086	6.19975	6.01401
ZPBP2	5.77426	5.88181	5.03914	5.40961	5.03304	5.23948	5.49899	5.48699	5.18228	3.11051	4.8423	4.19789	4.39532	5.17427	5.00294	4.27004
ZPLD1	3.82357	4.29854	5.46664	3.75319	5.31876	5.4471	5.18671	4.5892	4.25176	3.38712	5.10065	3.81832	4.14477	5.43189	5.27173	4.95972
ZPR1	8.09341	8.06455	7.99622	7.69867	7.73951	7.50513	7.83761	7.93019	8.37443	8.01099	8.65818	8.33216	8.65925	7.678	7.69997	8.08201
ZRANB1	7.17165	6.84206	7.28046	7.24537	7.66014	6.98315	6.48735	7.25701	7.46153	7.43168	7.19145	7.12799	6.70223	7.16353	7.55025	7.31075
ZRANB2	9.01348	9.07924	9.90783	9.1743	9.48636	9.28266	9.39963	9.46931	9.20565	9.80078	9.11184	8.59959	9.02909	9.11385	9.34547	9.46237
ZRANB2	2.37329	5.66976	4.97788	4.69119	3.62835	4.93559	2.53476	5.63833	2.83517	4.19403	5.32102	3.483	4.6132	4.60279	2.00801	4.44222
ZRANB3	5.77151	5.6096	5.68993	5.06976	5.06452	5.9567	6.13713	5.7957	5.66035	5.82442	5.90795	5.75483	5.9025	5.89763	6.56664	5.97806
ZRSR2	8.23177	8.18506	8.63198	8.69356	7.97435	8.15909	7.98956	8.09933	8.02431	8.14486	7.70647	8.13968	8.06888	8.16431	7.42469	7.61683
ZSCAN1	5.19341	3.25613	2.27099	3.3738	3.70286	3.391	3.42552	4.53792	3.79382	3.26858	4.94092	2.86273	4.2307	5.5659	3.6535	4.38335
ZSCAN1	4.15112	3.39606	3.59234	4.05802	4.14509	3.90216	4.05867	4.1998	4.53756	5.07693	5.2742	3.3579	3.1481	3.39411	2.38181	2.30119
ZSCAN1	4.40301	4.16747	3.73393	4.01749	4.54431	4.79956	4.22425	3.62721	4.59074	4.23832	4.51723	3.98812	4.91088	4.5294	4.1368	4.18147
ZSCAN1	2.13523	2.79266	2.56774	3.80706	5.43993	2.34348	2.75954	2.81438	2.35886	3.49311	3.60024	3.78165	2.73615	3.47687	3.64338	2.99971
ZSCAN1	8.363	8.73349	8.94549	8.95046	7.87346	8.43886	9.26363	8.78616	8.27879	8.58199	7.96148	8.61308	8.66724	8.5406	8.63776	8.80376
ZSCAN1	4.73045	5.11456	4.48157	5.15281	5.63371	5.62286	5.15336	4.96044	5.10724	4.67765	4.88734	5.05543	5.61082	4.72363	4.96208	4.78407
ZSCAN1	6.48682	6.44456	5.64161	5.88168	6.90514	6.01673	6.42092	6.37833	5.69321	6.39924	5.89038	6.87399	5.79645	6.93931	6.83848	6.57618
ZSCAN2	4.82105	6.0589	3.88705	5.01527	5.60113	4.90488	6.53843	5.5143	5.32985	4.98744	5.43309	5.67113	4.99543	6.33083	5.82053	5.69191
ZSCAN2	5.41662	3.8966	4.85179	3.91052	4.84501	4.65119	5.04051	4.71325	5.6242	4.14509	4.76519	4.85891	4.94318	4.709	4.70118	3.90264
ZSCAN2	6.56684	6.35785	6.61041	6.5847	6.90431	6.94752	6.11701	6.95458	6.80638	6.74418	6.62734	6.71924	6.11965	7.12832	7.00638	6.90423
ZSCAN2	6.38016	6.50148	6.70707	7.00671	6.8873	6.41038	7.37837	7.40722	6.62295	6.3317	6.26114	6.97727	6.9108	6.82752	6.93693	6.89173
ZSCAN2	4.65881	5.38276	3.99397	3.96768	3.68528	3.77177	5.52597	4.55201	5.04665	4.69384	3.61186	3.90408	4.68137	5.01049	4.43787	4.42755
ZSCAN2	6.8987	6.92836	7.03205	6.70987	7.1371	7.62531	6.96523	6.75957	6.75415	6.8481	6.9611	7.32518	6.97485	7.61764	7.6003	7.17072
ZSCAN2	6.33307	6.15228	6.47531	5.73265	7.14123	6.58722	6.32414	7.0306	6.34674	7.04258	6.54014	6.6608	5.8673	5.72712	6.34271	6.01067
ZSCAN2	8.25743	8.68521	8.93865	8.56785	8.50977	9.29297	9.10997	8.8583	8.7789	8.8333	7.64325	8.94258	7.77756	8.44931	8.43657	8.37069
ZSCAN3	5.15143	5.46462	5.44628	5.53967	5.84791	5.51406	6.13469	5.35851	5.30704	5.2376	5.0817	6.14874	5.05959	5.92197	5.73429	5.07971
ZSCAN3	6.18875	6.73647	6.16926	5.52994	6.28514	6.42868	6.3927	6.06247	6.13912	6.26737	6.18038	5.82023	6.18419	5.58961	5.7354	5.90706

ZSCAN3	5.39676	6.50052	5.62147	5.9431	6.50885	6.22938	4.82364	5.83766	5.05748	6.36158	6.31548	6.22437	6.20342	6.51863	6.18294	5.91357
ZSCAN4	1.73631	2.58278	2.95985	1.69898	4.77306	2.38321	2.77151	2.06833	2.84726	4.18663	2.25906	1.86408	4.51913	1.94688	5.17108	3.77904
ZSCAN5	5.7373	6.46194	6.41991	6.17309	5.90309	5.39705	6.13102	5.93839	6.21114	5.28592	5.97254	6.27435	6.13152	6.00298	5.88266	5.09503
ZSCAN9	5.27633	5.08025	3.29685	4.2978	6.53336	6.2807	5.87421	6.46154	6.02116	5.26786	5.72953	6.32869	6.92393	5.58076	4.33153	5.97023
ZSWIM1	5.0905	4.81597	4.08712	4.66845	5.16547	5.44924	4.68745	4.25238	5.77587	5.17658	5.33521	5.65354	5.78145	5.36254	5.3531	4.26797
ZSWIM2	2.04089	2.04582	1.44831	1.06683	1.42806	1.32117	1.24246	1.83717	2.18568	1.0625	2.24458	2.48941	1.29724	1.4899	2.07498	2.61375
ZSWIM3	6.53353	6.33721	6.13739	6.78637	6.76245	6.16175	6.7969	7.32289	6.09939	5.8076	6.80051	7.08493	6.63514	6.99133	6.72174	6.55434
ZSWIM4	0.90643	1.91586	2.23187	1.26539	0.59539	1.63688	2.45415	1.51119	1.53958	3.07203	0.5704	1.4899	2.83935	1.02124	2.04035	2.15094
ZSWIM5	6.67543	5.06524	6.96375	6.79839	3.46884	5.90903	4.11808	4.03916	6.24261	7.48326	6.39024	6.09052	3.68721	5.52251	5.86066	4.65128
ZSWIM6	8.24731	7.52956	8.1881	8.2853	8.26668	9.05644	8.23922	7.26624	8.29779	7.40676	9.00855	7.25418	8.49504	7.99167	8.65005	7.9568
ZSWIM7	6.9514	6.04396	6.81608	5.86194	5.43842	5.90235	4.89629	5.84112	4.69036	5.57083	6.16168	6.79723	5.61572	6.0322	5.94565	5.56983
ZSWIM8	5.5306	5.4439	5.52936	5.049	5.27381	5.62901	4.85056	5.00335	5.35585	5.6175	5.10776	5.44151	5.93894	5.20269	5.57221	4.67368
ZUFSP	7.51388	7.24097	7.29473	6.84156	7.9074	7.55108	7.27309	7.36802	7.54516	7.10172	7.48581	7.35875	6.96636	6.90197	7.50832	7.54069
ZW10	7.78315	7.93391	7.68956	7.70384	8.11404	7.62491	7.64131	8.32646	7.71667	7.96268	8.0016	7.61809	7.32463	7.57286	7.73337	8.15007
ZWILCH	5.68032	7.79704	7.34402	6.85206	7.32123	7.5677	8.09229	7.44986	7.78949	6.75251	7.57994	6.30873	7.60702	7.63101	7.93484	8.037
ZWINT	7.89413	10.2628	9.95652	8.64113	9.80267	9.85394	9.43955	10.7062	10.3531	7.91877	11.0154	9.69214	10.509	10.0988	10.7017	10.5154
ZXDA	7.07592	6.49308	7.06652	7.36932	5.78152	7.03789	7.3959	6.20321	6.98972	6.97588	6.24596	6.56497	6.62398	6.95167	6.6672	7.4267
ZXDB	6.48309	5.75554	4.88621	4.8249	6.41563	5.20662	5.36928	5.26386	5.88006	6.8519	5.70437	4.49847	6.59764	5.53244	5.78435	5.91684
ZXDC	5.35465	5.39993	5.99039	5.08852	5.39911	5.84642	6.68791	5.82328	5.38359	5.41945	5.77127	5.16611	5.33296	5.55338	5.86166	6.00176
ZYG11A	2.98506	3.55786	4.19043	3.50564	7.47497	3.99153	7.72891	4.78229	3.8429	3.49311	3.66652	4.93488	5.57823	6.41941	6.41633	3.95427
ZYG11B	6.09052	5.4553	6.12053	5.8529	5.9165	6.53353	6.01522	5.64797	5.21609	5.69337	6.22938	4.64846	6.65907	6.44179	6.30722	5.27844
ZYX	6.35493	6.60577	6.12998	6.84575	6.32869	6.88409	6.19667	6.67568	7.44137	6.38192	6.52645	6.18888	5.97567	6.59465	6.5515	5.91749
ZZEF1	5.37386	5.44505	6.01189	5.49513	5.07878	6.0422	5.14845	5.98103	5.73452	5.77971	5.85761	5.66845	5.94835	6.32531	5.26322	5.67328
ZZZ3	7.51529	7.42028	8.02662	7.68033	8.02106	7.81268	8.08808	7.92449	7.98057	7.82655	7.49911	7.8819	8.19059	7.53729	7.90171	7.86511