NAME	Description	D000	D003	D007	D010	D014	D020	D028	D035	D045	D060	D090	D120
15E1.2	15E1.2	8.125915	8.614043	8.188174	8.162077	7.955972	7.980846	7.549466	7.624155	7.799063	7.651941	7.630999	7.768051
2'-PDE	2'-PDE	7.939929	8.201594	7.578532	7.817259	7.804864	8.073645	7.813074	7.868839	7.707906	7.719607	7.796374	7.607585
76P	76P	8.387087	8.615213	8.117216	8.61519	8.62795	9.074956	8.459759	8.622553	8.325239	8.450389	8.54977	8.514375
7A5	7A5	6.758444	7.193786	6.73579	6.841605	6.864075	6.914598	6.886946	6.815589	6.878831	6.904417	6.662691	6.693744
A1BG	A1BG	7.05007	7.105235	6.909539	7.160805	7.06554	7.107397	6.97214	7.044114	6.931208	7.101165	6.932271	6.942022
A2BP1	A2BP1	6.883042	7.035621	6.918543	7.061932	6.91313	6.932387	6.906293	6.926403	7.055249	7.116741	6.937816	7.014657
A2M	A2M	6.756444	6.998119	6.809031	7.16289	7.554749	8.057317	9.767454	9.874536	10.80955	10.95598	10.95938	11.76784
A2ML1	A2ML1	7.151259	7.137894	6.799016	6.968841	6.913511	6.96532	6.671187	6.848171	6.931267	6.929095	6.726831	6.874008
A3GALT2	A3GALT2	6.873843	7.008644	6.812534	6.927054	6.883193	6.855831	6.787818	6.854001	6.833806	6.836808	6.697622	6.804263
A4GALT	A4GALT	7.356897	7.357955	6.838272	7.124395	7.157215	8.169374	8.699356	8.949682	8.608822	9.256583	8.803632	8.876647
A4GNT	A4GNT	7.018001	7.138927	6.80812	7.086148	6.999109	7.062532	6.962191	7.018342	6.972835	6.96297	6.938431	6.850096
AAA1	AAA1	6.859219	7.059751	6.813848	7.0613	6.931765	7.044136	6.925424	6.945446	6.880961	6.964995	6.801218	6.847715
AAAS	AAAS	7.640929	7.963915	7.589511	7.802239	7.751412	8.164563	7.659735	7.772956	7.618495	7.740036	7.592148	7.407784
AACS	AACS	9.111202	8.972371	8.479401	8.48514	8.348815	8.978259	8.498874	8.639072	8.508906	8.402383	8.226964	8.262272
AACSL	AACSL	7.111065	7.246108	7.00456	7.148111	7.143435	7.167965	6.996247	7.175858	7.123514	7.070402	6.833565	6.986976
AADAC	AADAC	6.879364	6.981563	6.87811	7.124854	7.052901	7.265995	7.322251	7.929513	8.064887	7.901925	8.50552	7.620161
AADACL1	AADACL1	7.378358	7.554271	7.381666	7.337845	7.298312	7.529629	7.456194	7.520007	7.522048	7.810282	8.280773	7.950078
AADACL2	AADACL2	6.968847	7.035826	6.843847	7.003443	6.983084	6.950349	6.915091	6.924678	6.998056	6.904608	6.854091	6.831713
AADAT	AADAT	7.587578	7.896002	7.815668	7.834774	7.702624	7.813939	7.522373	7.571618	7.468373	7.432068	7.171844	7.158747
AAK1	AAK1	6.868872	7.066298	6.837704	7.024128	6.856957	7.072029	6.848934	6.982892	6.796457	6.854303	6.857939	6.871932
AAMP	AAMP	8.358078	8.838796	8.16164	8.510832	8.44475	8.884187	8.411179	8.333063	8.274475	8.467277	8.573807	8.554297
AANAT	AANAT	6.888867	6.940332	6.844867	7.003942	6.848263	7.030314	6.717815	6.807422	6.864432	6.809987	6.778619	6.747248
AARS	AARS	12.97879	13.41357	11.85821	11.94901	12.07783	12.13772	11.98604	12.11722	12.06164	11.8176	11.47717	11.49595
AARSD1	AARSD1	9.938724	10.35246	9.569999	10.04824	9.935385	10.75567	10.20653	10.13599	10.06776	10.06327	9.726906	9.777723
AARSL	AARSL	8.437226	9.07202	8.329837	8.594001	8.665767	9.053019	8.456191	8.211711	8.371454	8.331671	7.979169	8.186479
AASDH	AASDH	8.860382	9.388619	8.669493	9.3516	9.040621	8.885022	8.51326	8.36454	8.609626	8.272696	7.846095	8.100858
AASDHPP'	AASDHPP'	9.279182	9.564124	9.446526	10.05601	10.42637	10.91103	10.40873	10.40134	10.49404	10.16688	10.0173	10.02435
AASS	AASS	11.29682	10.70814	8.497332	8.637908	8.329224	8.223832	7.963939	7.984686	7.868813	7.929297	7.308279	7.49107
AATF	AATF	9.938718	10.01121	9.757174	9.402324	8.888815	9.59548	8.589384	8.816266	8.661364	8.756697	8.78061	8.894896
AATK	AATK	6.95832	7.109711	6.847084	6.975273	6.964216	7.114555	6.919029	6.998952	6.985372	7.029997	6.834988	6.876344
ABAT	ABAT	6.988022	7.135075	6.868358	7.175627	7.306701	7.796362	8.062754	7.74921	7.894781	7.850117	7.245407	7.268818
ABC1	ABC1	8.278489	8.77018	8.278523	8.689057	8.531298	8.630822	8.335581	8.274143	8.211873	8.301719	7.856345	8.34215
ABCA1	ABCA1	9.398457	11.3799	10.25091	11.22885	10.92173	10.86566	10.27475	9.804341	10.36348	9.408284	9.399952	10.09036
ABCA10	ABCA10	6.891165	7.140044	6.883713	7.203506	7.145288	7.186122	7.069159	7.059943	7.053461	7.084599	6.909453	6.920551
ABCA11	ABCA11	7.065375	7.329938	7.032939	7.277369	7.473828	7.534654	7.211076	7.570189	7.361873	7.329448	6.99914	7.107557

ABCA12	ABCA12	6.972598	7.264867	6.891885	7.178683	7.133223	7.140546	7.033721	7.017361	6.946145	7.021718	6.885469	6.871843
ABCA13	ABCA13	6.770439	6.959753	6.745036	7.015537	6.875123	6.883509	6.922148	6.948592	6.889386	7.051976	6.843523	6.714679
ABCA2	ABCA2	6.989196	7.134623	6.887876	7.168286	7.130027	7.233124	7.138305	7.195832	7.131956	7.148443	7.053261	7.051418
ABCA3	ABCA3	8.106244	8.591653	7.289607	7.396915	7.527546	8.471119	8.452038	8.116956	8.454044	8.333263	7.83462	8.18004
ABCA4	ABCA4	7.29255	7.30553	7.271855	7.8196	7.312965	7.273717	7.233428	7.271633	7.222492	7.283121	7.153122	7.074802
ABCA5	ABCA5	6.907884	7.304025	6.827728	7.101104	7.063595	7.288341	7.005004	7.110509	7.095241	7.096548	6.915639	6.973878
ABCA6	ABCA6	6.875439	7.055992	6.770216	7.051728	7.040445	7.036172	6.847173	6.995596	6.995059	7.020306	6.881893	6.962942
ABCA7	ABCA7	7.242693	7.339173	7.124076	7.471246	7.52914	7.661054	7.497091	7.407347	7.239493	7.245198	7.082825	7.319384
ABCA8	ABCA8	6.986421	7.07329	6.847075	8.007912	8.218011	9.158033	8.531971	8.37628	8.25865	8.237898	8.018795	7.870949
ABCA9	ABCA9	6.90465	7.083882	6.924271	7.238858	7.22011	7.483182	7.212803	7.292199	7.23215	7.250792	7.117052	7.21281
ABCB1	ABCB1	6.956966	7.125589	6.862191	7.040176	6.996923	7.171787	7.020887	7.040036	6.956811	7.026747	6.895907	6.862537
ABCB10	ABCB10	8.084898	8.580616	8.526323	8.913208	8.989566	9.534362	9.279046	9.254104	9.108499	9.332199	8.79863	8.643824
ABCB11	ABCB11	7.014247	7.181937	6.825716	7.085017	6.982423	6.923549	6.993274	7.105898	6.90226	7.035903	6.734131	6.880286
ABCB4	ABCB4	6.981598	7.032145	6.820731	7.051294	6.955748	6.923602	7.076143	7.181994	7.041055	7.123824	6.928475	7.036793
ABCB5	ABCB5	6.793054	7.08999	6.837126	7.057763	6.916153	6.968399	6.855636	6.925031	6.830119	6.965877	6.805661	6.762059
ABCB6	ABCB6	8.996562	8.83006	8.101911	8.327653	8.197639	7.980818	7.944954	8.044987	8.241975	8.066953	8.407628	8.935289
ABCB7	ABCB7	9.103006	9.439782	8.919798	8.969102	8.945094	9.217861	8.906351	8.744124	8.940867	8.931713	8.374655	8.877635
ABCB8	ABCB8	7.09127	7.33007	6.965291	7.181519	7.105077	7.252045	7.047449	7.16807	7.039341	7.065342	7.115354	6.988876
ABCB9	ABCB9	7.456644	7.538599	7.224253	7.447356	7.724044	7.948545	7.945535	8.177774	8.060973	8.141496	7.917513	7.973222
ABCC1	ABCC1	7.420809	7.47111	6.989458	7.311459	7.194501	7.180166	7.014161	7.117397	6.992413	7.043605	7.127061	6.992482
ABCC10	ABCC10	7.336977	7.589015	7.411095	7.782253	7.705539	7.483405	7.547689	7.310121	7.535357	7.29823	7.302571	7.204274
ABCC11	ABCC11	7.062312	7.246424	6.880178	7.109948	7.012726	7.034853	6.989817	6.999713	6.94535	7.031781	6.877216	6.983401
ABCC12	ABCC12	7.054479	7.359012	7.264387	7.216949	7.163174	7.240478	7.162247	7.092882	7.267732	7.12114	7.069028	7.116457
ABCC13	ABCC13	6.864231	7.161619	6.808091	7.051702	7.036559	7.095833	6.998447	6.983964	6.951917	6.993479	6.849484	6.879802
ABCC2	ABCC2	7.145954	7.141055	6.925409	7.190281	7.035748	7.209508	6.970106	6.993104	6.893189	7.066908	6.936139	6.878326
ABCC3	ABCC3	6.958832	7.122392	6.826147	7.153145	7.088241	7.050165	6.973258	6.969304	6.970027	6.919211	7.023058	7.099875
ABCC4	ABCC4	8.055834	8.255733	8.214103	8.05437	7.520008	7.378731	7.289033	7.329592	7.453236	7.397247	7.822993	7.613995
ABCC5	ABCC5	9.054706	9.517517	8.908	9.510197	9.56516	10.77922	10.2387	10.02714	9.850626	9.82163	9.004016	9.301668
ABCC6	ABCC6	6.939857	7.116739	6.855474	7.11043	7.086707	7.383969	7.294376	7.296714	7.066663	7.147816	6.892115	6.91519
ABCC8	ABCC8	7.481879	7.285557	6.951761	7.17368	7.182045	7.392046	7.207115	7.198539	7.351184	7.192273	6.854093	7.316455
ABCC9	ABCC9	6.906165	7.141974	6.882441	7.052682	6.94696	7.165527	7.038135	7.188997	7.11572	7.152678	6.959264	7.109065
ABCD1	ABCD1	6.907151	7.158856	6.969986	7.273855	7.296884	7.779685	7.46829	7.732401	7.370393	7.449027	7.820831	7.438856
ABCD2	ABCD2	6.879435	7.151401	6.787805	6.941146	6.840637	6.968263	6.882543	6.859023	6.874035	6.914476	6.763284	6.820127
ABCD3	ABCD3	7.874809	8.23895	7.917992	8.520913	8.279311	9.040643	8.537314	8.707189	8.66603	8.701883	8.419728	8.866924
ABCD4	ABCD4	6.944713	7.231349	6.936954	7.115241	7.014513	7.10219	6.957464	7.017696	6.955991	7.004238	6.848902	6.876951
ABCE1	ABCE1	10.40492	10.69964	10.35888	10.36317	9.889275	10.47035	9.523563	9.703657	9.61587	9.667472	9.808711	9.788253

ABCF1	ABCF1	11.39368	11.52582	10.71447	10.94057	10.58017	10.65911	10.1446	10.25124	10.32123	10.23562	10.02132	10.49749
ABCF2	ABCF2	8.043593	8.221876	7.702571	8.024828	7.795626	8.071359	7.768118	7.916889	7.799674	7.935798	7.942783	8.090996
ABCF3	ABCF3	7.454898	7.693034	7.436464	7.673181	7.566735	7.902801	7.780714	7.873421	7.622439	7.718485	7.867075	7.784049
ABCG1	ABCG1	7.176056	7.366917	6.976405	7.202185	7.116407	7.290389	7.191411	7.257352	7.213071	7.249906	7.00798	7.230418
ABCG2	ABCG2	6.76577	7.118481	6.725035	6.961926	6.900124	6.800875	6.824473	6.798175	6.740015	6.819037	6.71475	6.725659
ABCG4	ABCG4	7.759853	7.633706	7.169766	7.418737	7.658259	7.807067	7.561996	7.458158	7.548001	7.541554	7.247912	7.611925
ABCG5	ABCG5	7.26626	7.427958	7.094887	7.342212	7.180361	7.392638	7.249098	7.163754	7.222888	7.222828	7.234064	7.128222
ABCG8	ABCG8	6.983225	6.986255	6.873942	7.01171	6.904358	7.013197	6.922748	6.925483	6.831306	6.906609	6.823439	6.764297
ABHD1	ABHD1	6.810733	7.071093	6.76502	6.941403	6.923069	7.004177	6.91006	6.927505	6.8881	6.888632	6.821992	6.820876
ABHD10	ABHD10	8.136296	8.303863	7.923602	8.643828	8.466298	8.655573	8.323651	8.172156	8.283255	8.085248	7.802612	8.111933
ABHD11	ABHD11	7.397811	7.59199	7.510943	7.441334	7.405498	8.095763	7.785911	7.845755	7.671785	7.954368	7.530859	7.368229
ABHD12	ABHD12	8.364762	8.644836	7.971684	8.491246	8.514845	9.286382	8.818821	8.92838	8.605569	8.941088	8.926271	8.620617
ABHD13	ABHD13	7.002605	7.200478	6.8609	7.214671	7.151171	7.339301	7.109813	7.101378	7.032044	7.073504	6.891738	7.091508
ABHD14A	ABHD14A	7.480128	7.487204	7.429944	8.140135	8.363766	8.869418	8.900524	8.864012	8.740745	8.800261	8.586001	8.601522
ABHD14B	ABHD14B	6.9664	7.104853	6.73926	7.09192	7.161778	7.324421	7.031431	7.173021	7.099686	6.945077	6.954751	6.941227
ABHD2	ABHD2	7.109291	7.305385	6.998736	7.299663	7.108852	7.308261	7.167538	7.142808	7.133207	7.151982	7.107016	7.072526
ABHD3	ABHD3	7.860626	7.9516	7.714712	8.344317	8.016094	8.245036	7.78192	7.946994	7.734791	7.66099	7.553037	7.363785
ABHD4	ABHD4	7.58931	8.279809	7.877857	7.774124	7.579587	7.767875	7.418296	7.690492	7.512694	7.541598	7.709512	7.767843
ABHD5	ABHD5	8.332997	9.227615	7.961856	7.978497	7.506463	8.100346	7.778096	7.945019	8.029969	8.039646	8.603885	8.435084
ABHD6	ABHD6	7.547513	7.623968	7.720025	7.878577	7.530262	7.937079	7.659548	7.718348	7.722116	7.815242	7.779801	7.747025
ABHD7	ABHD7	7.058263	7.312037	7.080057	7.231912	7.16927	7.428695	7.258151	7.24741	7.303682	7.351437	7.210587	7.242561
ABHD8	ABHD8	9.125794	9.553484	8.434977	8.866303	9.278274	9.694883	9.431242	9.457481	9.544516	9.481894	8.941071	9.84088
ABHD9	ABHD9	9.981385	9.798175	8.654449	7.878074	7.298137	7.323429	7.228304	7.114654	7.170306	7.232067	6.870792	6.980021
ABI1	ABI1	7.63791	7.935588	7.71792	8.093874	7.882862	8.237098	8.065619	7.848473	7.97908	7.902758	7.761389	7.751226
ABI2	ABI2	8.386615	8.750487	8.228918	8.212538	8.181055	8.139887	8.013047	8.15714	7.999413	8.094097	8.009488	7.838563
ABI3	ABI3	7.150058	7.397634	6.957228	7.112922	7.019588	7.059915	6.923665	6.90692	6.963022	6.986481	6.844511	6.917043
ABI3BP	ABI3BP	6.9549	7.155825	6.726509	6.956556	6.95365	7.085382	6.983302	7.076607	7.362953	6.998961	7.031541	7.008027
ABL1	ABL1	9.506405	9.79654	9.132646	9.937413	9.479675	9.065496	8.569244	8.507326	8.691824	8.421546	8.470061	8.953123
ABL2	ABL2	6.877207	7.192893	6.915233	7.065057	7.063456	7.241809	6.982532	7.094891	7.006943	7.138821	7.039652	6.969164
ABLIM1	ABLIM1	9.068643	9.044899	8.952658	9.450987	9.631381	11.37218	10.75691	11.12599	10.63752	10.95481	10.67089	10.84899
ABLIM2	ABLIM2	7.203075	7.216759	6.801111	6.990471	7.186822	7.630655	7.681465	7.940046	7.900442	8.178083	8.091416	7.892697
ABLIM3	ABLIM3	6.879609	7.062321	6.884002	7.031264	7.077571	7.202921	6.969042	7.000136	7.260949	7.49679	7.539969	7.73844
ABO	ABO	6.815975	6.94099	6.730921	6.984908	6.959829	6.921468	6.837744	6.916079	6.879727	6.989954	6.78047	6.717174
ABP1	ABP1	6.980392	7.233817	6.891528	7.027884	7.103619	7.045543	6.934925	6.910378	6.978268	7.025441	6.797494	6.783163
ABR	ABR	8.508898	8.568522	8.224727	8.527234	8.695494	8.520393	8.568607	8.73653	8.713572	8.887501	8.788597	8.849058
ABRA	ABRA	6.857433	7.030656	6.834388	7.166972	6.961553	7.195786	7.065992	7.334486	7.227483	7.387783	7.140034	7.152987

ABT1	ABT1	7.409222	7.449065	7.420865	7.65677	7.570688	7.863111	7.31534	7.401349	7.278018	7.340042	7.375629	7.332391
ABTB1	ABTB1	7.307163	7.709251	7.342174	7.668882	7.636985	7.707571	7.72135	7.693338	7.696637	7.919292	7.567296	8.042772
ABTB2	ABTB2	7.39727	7.939302	7.356326	8.371795	7.610898	8.713972	8.12134	8.213839	7.92017	8.144803	7.941205	7.749116
ACAA1	ACAA1	8.457572	8.897827	8.479859	9.124346	9.472679	10.4638	9.942826	10.05288	9.761176	9.860761	9.791094	9.453408
ACAA2	ACAA2	10.14663	10.79559	10.1681	10.13725	9.922848	10.73121	10.11744	9.732132	9.813178	9.909216	9.406611	9.487942
ACACA	ACACA	11.00947	10.89591	9.483038	10.16103	9.890623	9.335538	9.062881	9.047385	9.322112	8.85154	8.663266	8.652197
ACACB	ACACB	8.386082	8.562005	7.579786	7.669541	8.587363	10.11342	10.40087	9.813958	9.427961	9.862403	8.565406	9.351416
ACAD10	ACAD10	7.841663	7.815676	7.492977	7.923604	8.142668	8.580165	8.492375	8.239157	8.157555	8.333595	7.852297	7.837771
ACAD11	ACAD11	9.549603	9.282377	9.125758	9.195464	9.639504	10.32584	9.980416	9.736635	9.839798	9.732276	9.402161	9.398521
ACAD8	ACAD8	9.140919	9.495482	8.207848	8.419338	8.422654	9.317433	9.032614	9.109555	8.746811	8.754424	8.84342	8.43866
ACAD9	ACAD9	9.322077	9.814074	9.486467	9.812805	9.768055	9.979369	9.762166	9.536675	9.76247	9.666802	9.431838	9.513494
ACADL	ACADL	6.833377	7.197504	6.75389	7.179305	7.048581	7.053177	7.035331	7.197284	6.999746	6.951525	6.939769	6.758269
ACADM	ACADM	11.04291	11.54723	11.06374	11.16941	11.44615	12.61394	12.11546	12.13645	12.22377	12.10696	11.59264	11.69491
ACADS	ACADS	7.222053	7.327313	6.973338	7.308479	7.350085	7.754353	7.574564	7.54255	7.312706	7.463754	7.34904	7.326819
ACADSB	ACADSB	7.175371	7.365791	7.272411	7.659097	7.437778	7.903284	7.724647	7.750443	7.535937	7.615678	7.454582	7.411871
ACADVL	ACADVL	9.675097	10.19039	9.593913	10.43274	10.6698	11.11664	10.75736	10.94686	10.7608	10.87445	10.68186	10.57318
ACAT1	ACAT1	10.8577	10.74382	10.37995	10.3257	10.68883	12.31233	11.67457	11.83839	11.94235	12.14374	11.8357	11.42855
ACAT2	ACAT2	11.43484	11.46376	10.93629	10.68632	10.23969	9.884172	9.195742	9.458015	9.749351	9.178025	9.102474	8.686135
ACBD3	ACBD3	9.656987	10.24175	9.981115	10.47539	10.47665	11.25298	10.50166	10.62552	10.55296	10.62214	10.64186	10.52172
ACBD4	ACBD4	6.930747	7.233208	6.937841	7.100772	7.081648	7.047621	7.046805	7.139787	7.036525	7.05476	6.877716	7.007893
ACBD5	ACBD5	7.03673	7.233748	6.940829	7.177429	7.139127	7.252868	7.164092	7.169525	7.16399	7.283485	7.105369	7.156773
ACBD6	ACBD6	9.434138	9.433946	8.607762	8.782003	8.813901	9.80184	9.311285	9.240569	9.293128	9.278616	9.015039	9.089392
ACBD7	ACBD7	8.469655	8.651622	7.892353	7.637509	7.550935	7.427901	7.231926	7.204349	7.28031	7.163011	6.866535	6.960006
ACCN1	ACCN1	6.993063	7.204297	6.947935	7.186837	7.073538	6.963079	6.927664	6.980629	7.127239	6.936738	6.77314	6.86541
ACCN2	ACCN2	7.381848	7.226629	7.173534	8.019532	8.371571	8.203291	8.04715	7.814573	7.848037	7.774501	7.241371	7.532927
ACCN3	ACCN3	7.148893	7.406787	7.168447	7.412777	7.316025	7.661019	7.280139	7.382129	7.363243	7.462462	7.10143	7.204489
ACCN4	ACCN4	6.886115	6.993233	6.91377	7.077636	6.999392	7.290194	7.009151	7.002739	6.994314	6.986836	6.713916	6.86174
ACCN5	ACCN5	6.885135	7.117297	6.67204	7.023834	6.882484	6.995902	6.901512	6.963584	6.886747	6.974248	6.88203	6.711066
ACD	ACD	8.49355	8.685195	8.057204	8.235041	8.106733	7.781424	7.766383	7.731635	7.720982	7.848045	7.800646	7.542057
ACE	ACE	6.852628	7.031765	6.853896	7.042658	6.873048	6.953139	6.861483	6.889792	6.88804	6.948938	6.797026	6.853689
ACE2	ACE2	6.841764	7.013836	7.00974	7.277139	7.427374	8.360474	7.360225	7.849588	7.48746	8.020706	7.831717	7.758144
ACF	ACF	6.930686	7.124003	6.830699	7.008801	7.068287	6.99968	6.892382	6.930547	6.939774	6.893405	6.828891	6.832873
ACHE	ACHE	6.979996	7.26221	6.990374	7.108397	7.076931	7.182346	6.978718	7.058778	7.005562	7.083449	6.966515	6.912203
ACIN1	ACIN1	10.59159	10.86099	10.43499	10.84092	10.44787	10.20269	9.740249	9.79012	9.732894	9.52936	9.465204	9.026329
ACLY	ACLY	12.48328	12.15634	11.767	11.86703	11.24755	11.05313	10.81561	11.00482	11.10097	10.75288	11.20466	10.52542
ACMSD	ACMSD	7.404068	7.703076	7.158768	7.400435	7.361019	7.541837	7.477485	7.415831	7.505422	7.425704	7.302782	7.392515

ACN9	ACN9	10.13978	10.31341	9.550081	9.32479	9.615009	10.22667	10.03389	9.662084	10.02163	9.809327	9.361099	9.374518
ACO1	ACO1	11.46473	11.30349	11.02312	11.13568	11.08093	11.42712	10.96115	11.02961	10.91005	10.97961	11.02519	11.05296
ACO2	ACO2	8.473179	8.626424	7.864496	8.810313	9.097395	10.48118	10.30308	10.52189	10.26848	10.71855	10.36853	10.20374
ACOT1	ACOT1	7.50767	7.753828	7.132163	7.408931	7.836784	9.560272	9.332096	9.35732	9.121988	9.253305	8.570041	8.2317
ACOT11	ACOT11	7.359554	7.557027	7.309778	7.355039	7.435638	8.589231	8.790745	9.088023	8.937703	9.280584	8.591313	8.953612
ACOT12	ACOT12	6.876022	7.2242	6.874618	7.120959	6.953722	7.100131	7.035405	7.038012	6.924182	7.061767	6.870933	6.86636
ACOT2	ACOT2	7.453318	7.50269	7.003038	7.313417	7.55806	8.651354	8.577244	8.878191	8.318529	8.366972	8.041947	7.914176
ACOT4	ACOT4	7.413319	7.545852	6.998959	7.090034	6.926297	6.959634	6.824845	7.096413	6.970702	7.021238	6.991317	6.917742
ACOT6	ACOT6	6.825177	6.870502	6.794305	6.968004	6.833293	6.874432	6.731263	6.90958	6.874442	6.879598	6.752987	6.820753
ACOT7	ACOT7	10.03442	10.2797	9.031588	9.108792	8.607716	8.911482	8.576934	8.518234	8.795832	8.667754	8.785378	8.386923
ACOT8	ACOT8	7.429815	8.020861	7.092083	7.450398	7.47671	8.133525	7.797427	7.888496	7.843959	8.093325	7.946519	7.983313
ACOT9	ACOT9	9.015175	9.308471	8.386819	8.449987	8.291429	9.64885	9.363284	9.592182	9.377151	9.610751	9.468912	9.112933
ACOX1	ACOX1	7.178017	7.784754	7.169616	7.380828	7.314416	7.665896	7.369808	7.445016	7.450938	7.550202	7.489376	7.678404
ACOX2	ACOX2	7.834088	9.389898	7.915032	8.391484	8.817661	9.715671	9.850957	10.03631	9.884876	10.01552	9.947891	9.718655
ACOX3	ACOX3	8.259108	8.5166	8.274709	8.645717	8.690564	9.123431	9.125555	9.061209	9.134707	9.237659	8.947619	8.752072
ACOXL	ACOXL	6.994069	7.112511	6.903593	7.068491	6.915865	6.931501	6.843432	6.852833	6.821445	6.909921	6.738686	6.837002
ACP1	ACP1	11.65157	12.02534	11.59995	11.50316	11.50088	11.93796	11.0949	11.28623	11.23179	11.09168	11.18556	10.66674
ACP2	ACP2	7.773023	8.451268	7.862055	8.397453	8.390181	8.717341	8.406113	8.358318	8.15455	8.397545	8.628443	8.661987
ACP5	ACP5	7.067531	7.259918	6.829408	7.036022	6.922855	7.017676	7.016167	6.937905	6.855498	7.011334	6.85634	6.892396
ACP6	ACP6	8.016334	8.11779	7.474981	7.639446	7.698875	8.761364	8.221059	8.197536	8.074638	8.408945	8.089722	8.256568
ACPL2	ACPL2	8.621002	8.790802	8.907737	8.232612	8.314985	8.211502	7.895866	8.449181	8.650165	8.885347	9.385748	9.006133
ACPP	ACPP	6.916343	7.139013	7.17589	8.613076	7.698136	7.074924	6.997288	7.128152	6.988207	6.945082	6.776795	6.798486
ACPT	ACPT	7.185724	7.355355	7.104453	7.255851	7.173256	7.221718	7.152037	7.249264	7.161117	7.149618	7.074508	7.154075
ACR	ACR	7.067583	7.338904	7.01933	7.221347	7.08865	7.263049	7.230186	7.192442	7.210446	7.227683	7.042074	7.045968
ACRBP	ACRBP	6.840784	6.983678	6.815103	6.990981	6.917834	7.01994	6.884638	6.958888	6.854374	7.05335	6.979503	6.885652
ACRC	ACRC	7.35955	8.067935	7.60146	7.882267	7.572596	7.872723	7.755917	7.509935	7.641114	7.735016	7.494564	7.638057
ACRV1	ACRV1	6.939979	7.094504	6.76152	7.02979	7.020445	7.090349	6.8934	6.935878	6.960553	6.918453	6.799481	6.853528
ACSBG1	ACSBG1	7.558694	8.003812	7.094837	7.22236	7.224211	7.416347	7.197987	7.141628	7.176688	7.225519	6.988756	7.0496
ACSBG2	ACSBG2	6.822634	7.179661	6.892033	7.142794	6.923769	7.101155	6.92835	7.04629	7.014119	7.008673	6.751012	6.914521
ACSL1	ACSL1	7.484801	7.630447	6.94161	8.801935	9.065722	10.52618	10.2321	9.572433	10.10684	9.861602	8.988795	10.04051
ACSL3	ACSL3	9.631879	9.501211	9.009928	9.384173	9.290012	10.00171	9.359862	9.676121	9.511587	9.45258	9.359866	9.409543
ACSL4	ACSL4	8.548948	8.60856	8.034058	8.275382	8.134629	8.646764	8.359999	8.725735	8.516491	8.738827	9.310389	8.852678
ACSL5	ACSL5	6.839174	6.995259	6.835452	7.002483	6.885608	6.910949	6.813411	6.942891	6.861462	6.829787	6.74149	6.794836
ACSL6	ACSL6	6.888955	6.974133	6.786596	6.992363	6.980036	6.928414	6.926606	6.937627	6.875514	6.94475	6.784856	6.828669
ACSM1	ACSM1	6.826176	7.010638	6.74743	6.888776	6.892575	6.778384	6.918065	6.928432	6.812374	6.868529	6.632468	6.73986
ACSM2	ACSM2	6.841385	7.080339	6.794886	7.0917	6.97785	7.041403	6.929586	6.94177	6.990201	6.999284	6.839272	6.938234

ACSM3	ACSM3	7.433022	7.504602	6.823526	7.177052	7.185415	7.033321	6.926848	6.930373	6.898286	6.975979	6.791335	6.813307
ACSS1	ACSS1	6.949214	7.257805	6.697226	6.996911	6.792558	6.929585	6.919074	6.963594	7.106322	7.250447	7.317129	7.467373
ACSS2	ACSS2	9.174334	8.661118	8.790623	9.414136	9.841858	10.88961	10.53599	10.63947	10.61362	10.65379	10.17903	10.34446
ACTA1	ACTA1	9.111971	9.509913	9.239791	11.95568	13.04538	14.16228	14.0231	14.40794	14.1116	14.44153	14.18274	13.60334
ACTA2	ACTA2	8.807434	9.543396	9.183984	13.83184	14.44271	15.14791	15.14416	15.22236	15.24152	14.9681	14.99576	14.28628
ACTB	ACTB	14.33873	14.80471	13.97125	14.39618	13.89592	13.35328	12.93533	13.3563	13.3118	12.94839	14.10129	13.325
ACTBL1	ACTBL1	6.80798	6.95724	6.795151	6.907383	6.950078	6.883102	6.826916	6.89262	6.760007	6.819382	6.77677	6.991636
ACTC	ACTC	9.743936	10.09346	9.428884	14.05582	14.59693	15.31997	15.57378	15.4568	15.57702	15.60524	15.28072	15.4763
ACTG1	ACTG1	14.3074	14.63309	14.2296	14.44474	14.28728	13.69006	13.30008	13.67011	13.75865	13.43746	14.27235	13.91391
ACTG2	ACTG2	9.417114	8.565118	7.759349	9.288946	10.12412	9.153584	9.225743	9.727515	10.02462	9.468156	10.38636	9.785183
ACTL6A	ACTL6A	11.07679	11.45767	11.3161	11.07078	10.68125	10.74876	10.00837	10.08951	10.04833	9.771511	9.858314	9.698767
ACTL6B	ACTL6B	7.215142	7.288166	6.878924	7.092695	6.859372	6.981025	6.815414	6.987613	7.340528	6.932068	6.817452	6.84277
ACTL7A	ACTL7A	6.855703	6.938808	6.807853	6.94872	6.871114	6.866482	6.910534	6.901753	6.863521	6.918991	6.745571	6.728274
ACTL7B	ACTL7B	7.071408	7.180829	6.85587	7.010874	7.104898	7.208874	7.050793	7.141512	7.068554	7.104754	6.928787	7.018317
ACTL8	ACTL8	7.098801	7.179597	6.84732	7.086353	6.957518	6.92727	7.015153	6.930167	6.884289	6.875984	6.892368	6.801872
ACTN1	ACTN1	11.87098	12.85124	11.86594	12.13879	11.51094	12.24958	11.81031	12.14136	11.90064	11.9831	12.36024	12.74625
ACTN2	ACTN2	7.478051	7.839073	7.466808	8.05519	9.29296	11.44792	11.20627	11.73256	10.95268	11.63514	11.02367	10.58595
ACTN3	ACTN3	9.229624	7.936932	7.036884	7.290243	7.251851	7.333343	7.74195	7.662832	7.297342	7.417288	7.080314	7.052607
ACTN4	ACTN4	9.159264	9.523767	8.995546	9.589373	9.41174	9.485526	8.752259	8.869475	8.391654	8.778756	9.732507	8.546621
ACTR10	ACTR10	9.260303	9.809512	9.635591	10.15908	10.42038	11.62842	11.12896	11.55289	11.38462	11.52937	11.47795	11.32294
ACTR1A	ACTR1A	11.35333	11.32437	11.01372	11.46929	11.36668	12.04897	12.0576	11.94664	12.00628	11.89284	11.15268	11.74674
ACTR1B	ACTR1B	8.725972	8.90386	8.403842	8.964225	9.399569	10.06312	9.65797	9.770416	9.674967	9.94637	9.69075	9.348404
ACTR2	ACTR2	11.69543	12.20706	11.93495	12.17003	11.9456	12.25487	11.63882	11.7661	11.7814	11.60171	11.85367	11.58266
ACTR3	ACTR3	9.670883	10.76183	10.01568	10.16846	9.891711	10.55337	10.39548	9.637377	10.27338	10.01728	10.23866	10.26879
ACTR3B	ACTR3B	7.41361	7.523985	7.132703	7.219939	7.112498	7.1782	7.011191	7.102178	7.079675	7.039998	6.946447	6.959777
ACTR5	ACTR5	8.611862	8.893256	8.31623	8.378144	8.269514	8.326035	7.896327	7.968889	7.825515	7.683705	7.670873	7.609591
ACTR6	ACTR6	10.31643	10.64152	10.04401	10.0252	9.887319	10.52869	10.05123	10.01775	10.41281	10.20467	10.11335	10.01768
ACTR8	ACTR8	7.525968	7.794176	7.462847	7.850004	8.088565	8.509928	8.045474	8.040756	7.927115	7.969104	7.632377	7.783939
ACTRT1	ACTRT1	7.08445	7.244619	6.996844	7.187836	7.046924	7.139769	6.98198	7.144294	7.105025	7.049435	7.000583	6.979405
ACVR1	ACVR1	9.99056	10.49891	10.14953	10.68446	10.25201	10.61565	10.55312	10.60673	10.76561	10.76212	10.86651	10.92467
ACVR1B	ACVR1B	8.269877	8.266067	8.355509	8.419643	8.683623	8.893374	8.674863	8.616684	8.493214	8.348517	7.983432	8.240408
ACVR1C	ACVR1C	6.914648	7.024851	6.717193	7.035011	6.94259	6.896981	6.8586	6.940059	6.892585	6.889349	6.741874	6.798568
ACVR2A	ACVR2A	7.952608	8.096195	8.039548	8.518002	8.71682	8.458714	8.225527	8.130029	8.340563	8.056016	7.615524	7.914547
ACVR2B	ACVR2B	8.025475	8.044283	7.723923	7.963239	7.559898	7.36455	7.18194	7.135527	7.070053	7.195497	6.73935	7.025696
ACVRL1	ACVRL1	6.938157	6.978017	6.793053	7.190282	6.969088	6.895594	6.778349	6.880838	6.781404	6.880119	6.705364	6.802415
ACY1	ACY1	9.090726	9.264906	8.837514	8.930554	9.072456	9.420145	8.672659	8.72113	8.463824	8.739276	8.637994	8.800299

ACY1L2	ACY1L2	7.527375	7.889983	7.358031	7.890291	7.882632	8.045187	8.126414	7.834265	7.995986	7.940663	7.53719	8.004799
ACY3	ACY3	6.928537	7.009689	6.731609	7.02518	6.81944	6.808434	6.860574	6.812618	6.845015	6.991133	6.810351	6.73624
ACYP1	ACYP1	8.634113	8.591743	8.532239	8.60831	8.658672	9.871833	9.379168	9.210088	9.473082	9.462974	9.04145	8.650798
ACYP2	ACYP2	7.130105	7.333153	7.247979	7.467006	7.780209	9.006965	8.957888	9.086322	9.264908	9.384549	9.545734	9.120475
AD031	AD031	7.14427	7.353022	6.997549	7.735373	7.380176	7.389811	7.287544	7.252364	7.078347	7.197602	7.019426	6.982598
ADA	ADA	9.142508	9.002748	9.94464	9.81568	9.593096	9.028093	8.45123	8.597343	8.504044	8.284324	8.317256	7.89747
ADAL	ADAL	7.641255	7.537947	7.258022	7.739584	7.596025	8.301664	8.005075	7.993009	8.163586	8.223879	7.609873	7.856152
ADAM10	ADAM10	7.835438	8.294336	8.207567	8.391412	8.38103	8.226176	7.942693	8.017461	7.929316	7.832431	8.124864	7.95278
ADAM11	ADAM11	6.968107	7.177183	7.104204	7.276547	7.492072	8.949417	8.735792	8.424706	8.178594	8.069753	7.208674	7.2707
ADAM12	ADAM12	6.903231	7.062981	6.852924	7.107909	7.002536	7.121932	6.962387	6.977717	6.999906	7.017645	6.880957	6.911708
ADAM15	ADAM15	9.143704	8.946769	7.936198	8.535805	8.969803	8.560061	8.360838	8.375892	8.591722	8.512572	8.829064	8.911977
ADAM17	ADAM17	8.008748	8.27184	8.025434	8.481791	8.132335	8.57319	8.067037	7.941932	7.915479	7.882463	7.56917	8.018294
ADAM18	ADAM18	6.742479	6.993793	6.76137	6.963404	6.895302	7.015627	6.820119	6.905664	6.886941	6.786492	6.705114	6.754714
ADAM19	ADAM19	8.168406	8.610571	8.830203	10.43387	9.296114	9.691971	9.51179	9.986953	9.635986	10.08253	10.4786	9.400328
ADAM2	ADAM2	7.020549	7.058595	6.896536	7.116356	7.04305	6.947014	6.956386	6.97203	6.862554	7.016461	6.905544	6.935804
ADAM20	ADAM20	6.802778	6.946895	6.794549	6.939803	6.830632	6.823286	6.802898	6.854209	6.80745	6.797998	6.759906	6.695703
ADAM21	ADAM21	7.064478	7.152614	6.831731	7.133627	6.945609	7.172605	7.055668	7.148854	7.135519	7.162106	6.915291	7.068772
ADAM22	ADAM22	7.039649	7.294166	6.878581	7.108928	6.936556	6.967454	6.928158	6.894679	6.810854	6.90524	6.798238	6.818181
ADAM23	ADAM23	7.986779	8.240179	7.684595	7.532012	7.344731	8.270673	8.185412	8.81492	8.216927	8.771933	9.224792	9.086892
ADAM28	ADAM28	6.931284	7.109545	6.871523	7.068761	6.984368	7.109485	6.981096	6.957197	6.900104	6.958414	6.729626	6.842529
ADAM29	ADAM29	6.824967	6.903881	6.73569	7.076393	6.963164	7.07409	6.824928	6.959384	6.843659	7.032879	6.811028	6.846105
ADAM30	ADAM30	6.931566	7.122924	6.868003	6.984897	7.008785	7.145561	6.917642	7.050203	6.910507	6.952401	6.834068	6.866974
ADAM32	ADAM32	6.969544	7.138237	6.877296	7.149382	7.182048	7.397942	7.284859	7.346611	7.296306	7.450305	7.236541	7.113386
ADAM33	ADAM33	6.919189	7.115322	6.900897	7.218958	7.064079	7.092894	6.947309	6.980849	6.984332	7.019884	6.846992	6.936541
ADAM3A	ADAM3A	6.899518	6.987879	6.834523	6.955513	6.889493	6.890256	6.881101	6.946696	6.898729	6.916353	6.763284	6.78376
ADAM5	ADAM5	6.875349	7.024061	6.760673	7.03156	6.953204	6.994396	6.851157	6.935269	6.888062	6.88392	6.736099	6.859122
ADAM6	ADAM6	6.950132	7.101668	6.848285	7.035141	7.033816	7.072289	6.932028	7.02887	6.998949	7.028352	6.896037	6.863712
ADAM7	ADAM7	7.072016	7.199399	6.967252	7.100573	7.030174	7.135798	7.024766	7.053112	6.973198	6.994391	6.864808	6.951462
ADAM8	ADAM8	7.057074	7.109949	6.737235	7.232304	6.990819	7.137841	7.015203	7.124509	7.163687	7.176317	6.777798	6.809419
ADAM9	ADAM9	7.462189	8.000303	7.589514	8.322388	8.242276	8.49849	8.430771	8.743115	8.690035	8.638629	8.887201	8.396367
ADAMDEC	ADAMDEC	6.97245	7.14716	6.783797	7.104569	6.943228	6.949331	6.878155	6.941937	6.932469	6.943914	6.827952	6.852916
ADAMTS1	ADAMTS1	7.878522	8.040588	8.177399	9.96454	10.17154	9.564408	9.069526	8.673111	8.564905	8.577652	9.143324	9.020563
ADAMTS1	ADAMTS1	6.891555	7.031294	6.847292	7.012034	6.808724	6.977978	6.844622	6.858827	7.028682	6.765336	6.735234	6.855765
ADAMTS1	ADAMTS1	6.780627	6.970136	6.832996	7.081015	6.896009	6.867842	6.859419	6.781182	6.898683	6.906202	6.846126	6.927984
ADAMTS1	ADAMTS1	6.939834	7.176883	6.823778	7.204122	7.099173	7.132607	6.999997	7.029448	7.042082	7.0783	6.93392	6.920121
ADAMTS1	ADAMTS1	6.850598	7.124837	6.804515	7.08518	6.998644	6.872359	6.893342	6.981137	6.951312	6.958767	6.830396	6.900562

ADAMTS1	ADAMTS1	6.818239	6.940923	6.816487	7.129522	6.96363	6.983219	6.984815	6.952814	7.009545	6.85287	6.813157	6.813081
ADAMTS1	ADAMTS1	6.870579	7.147235	6.853166	7.104157	7.006341	7.127963	6.966161	7.051989	7.018125	7.071926	6.803034	6.805653
ADAMTS1	ADAMTS1	7.124433	7.204986	6.861027	7.213937	7.022953	7.107792	7.024855	7.053331	6.993227	7.108327	6.811051	6.91781
ADAMTS1	ADAMTS1	6.867594	7.120578	6.796612	7.405466	7.342019	6.997375	6.913481	6.935178	6.872854	6.942217	6.731718	6.86075
ADAMTS1	ADAMTS1	9.342896	9.369686	8.910588	9.269972	10.02519	11.99389	10.71734	9.630278	9.182106	8.182794	7.251152	7.58125
ADAMTS2	ADAMTS2	6.947371	7.094134	6.798648	7.229578	7.016216	7.067958	6.905063	7.015529	6.904575	6.891575	6.774073	6.814326
ADAMTS2	ADAMTS2	7.010564	7.065881	6.799389	7.084771	7.080226	6.913205	6.873784	6.895195	6.856275	6.852538	6.784242	6.763552
ADAMTS3	ADAMTS3	6.879532	7.202333	7.082937	7.505952	7.11313	7.012309	7.269072	7.181898	7.203889	7.111821	7.088224	7.172591
ADAMTS4	ADAMTS4	7.366672	7.573848	7.158337	7.455801	7.297436	7.306864	7.327456	7.25804	7.354303	7.082611	7.086897	7.207484
ADAMTS5	ADAMTS5	6.871765	7.046013	6.905362	7.158802	7.354482	7.148233	6.967227	6.97799	7.253165	7.001005	7.027146	7.053986
ADAMTS6	ADAMTS6	6.965508	7.099079	7.13485	8.183737	7.974465	7.905229	7.449273	7.398566	7.431464	7.310264	7.560092	7.491729
ADAMTS7	ADAMTS7	7.532176	7.443116	7.283211	7.550154	7.339914	7.130425	6.951959	7.234041	7.098487	7.093761	7.002815	6.917063
ADAMTS8	ADAMTS8	7.677304	7.247094	6.975741	7.321971	7.488454	7.536261	7.292703	7.248673	7.424644	7.897029	7.91142	7.892236
ADAMTS9	ADAMTS9	6.886482	7.208191	8.824231	11.09363	11.25232	10.2469	10.09811	10.17731	9.226605	9.102505	8.686301	7.866953
ADAMTSL	ADAMTSL	6.981943	7.19791	6.890744	7.027492	6.990262	7.089663	7.123808	7.183977	7.190264	7.222597	7.076114	7.144324
ADAMTSL	ADAMTSL	7.124813	7.59197	7.691821	8.754454	8.482804	10.31511	9.322581	8.763088	8.723671	8.369927	7.847245	8.150354
ADAMTSL	ADAMTSL	6.878558	7.27322	6.95747	7.228941	7.049994	7.112859	7.021938	6.997511	7.260967	7.05933	6.74591	6.862328
ADAMTSL	ADAMTSL	7.011087	7.138636	6.860394	7.272896	7.22177	7.724346	7.374982	7.632888	7.171068	7.608404	7.417323	7.341674
ADAR	ADAR	10.82528	11.16957	10.09583	10.54601	10.12508	9.608631	9.221696	9.370691	9.340201	9.152731	9.143158	9.094803
ADARB1	ADARB1	8.039933	8.36073	7.764734	8.746551	9.140997	9.279417	8.896888	8.977991	8.927245	8.652336	7.963093	8.018246
ADARB2	ADARB2	7.005079	7.245114	6.90607	7.1795	7.106423	7.056732	6.924403	6.956696	7.000068	6.907729	6.791926	6.761472
ADAT1	ADAT1	8.084175	8.608475	8.271833	8.4874	8.25325	8.308078	8.09811	8.280097	8.115561	8.158666	8.100628	8.268707
ADC	ADC	7.012461	7.23962	6.987459	7.380266	7.505414	7.502269	7.56328	7.503058	7.563784	7.689414	7.341894	7.406425
ADCK1	ADCK1	7.655369	8.260773	7.410587	7.729764	7.870982	8.809673	8.185483	8.264585	8.054154	8.181218	7.849928	7.691977
ADCK2	ADCK2	8.56427	8.851214	8.005772	8.259541	8.014187	7.639251	7.603563	7.793799	7.762632	7.603121	7.560077	8.125523
ADCK4	ADCK4	7.642639	7.948127	7.589793	7.859716	7.959779	7.862821	7.804533	7.7443	7.830881	7.762833	7.630128	7.432758
ADCK5	ADCK5	7.137868	7.379537	7.235839	8.015618	7.880124	8.131842	7.757551	7.836458	7.53177	7.688869	7.402275	7.464303
ADCY1	ADCY1	8.069077	7.925948	7.277756	7.404749	7.324425	7.787591	7.793058	7.855428	7.929622	7.732753	7.504197	7.607057
ADCY2	ADCY2	7.516345	7.699004	7.341028	7.433897	7.304295	7.654821	7.333646	7.300053	7.485466	7.500167	7.258936	7.327719
ADCY3	ADCY3	10.51296	10.60973	9.776446	10.23466	9.910003	8.604583	8.273132	8.267627	9.056843	8.125007	8.855774	8.317972
ADCY4	ADCY4	6.938019	7.156366	6.913872	6.952308	7.386608	6.831385	6.776546	6.959021	6.831263	6.860142	6.767244	6.690706
ADCY5	ADCY5	6.945043	7.189673	6.792501	6.974144	6.956884	7.186632	7.319323	7.581739	7.438399	8.038805	7.485886	7.9488
ADCY6	ADCY6	7.645519	7.971807	7.633573	8.419907	8.619668	9.96538	9.651042	9.724291	9.372341	9.665469	9.415416	9.180968
ADCY7	ADCY7	7.095764	7.371271	7.054424	7.541499	7.410697	7.516318	7.270302	7.360142	7.357961	7.240748	7.124631	7.023768
ADCY8	ADCY8	6.945751	7.081849	6.881426	7.077471	7.017105	7.055777	6.953152	6.978899	7.054067	6.853204	6.818971	6.886242
ADCY9	ADCY9	7.58069	7.469897	6.881328	7.37339	7.530429	7.851538	7.668228	7.692116	7.658812	7.78752	7.641805	7.801982

ADCYAP1	ADCYAP1	6.914314	7.28442	6.98203	7.250968	7.171541	7.245896	7.230434	7.139013	7.289332	7.092261	6.966923	6.967157
ADCYAP1I	ADCYAP1I	6.831742	7.003377	6.821466	6.953973	6.99279	6.866983	6.822294	6.877455	6.856409	6.90535	6.776508	6.808072
ADD1	ADD1	10.96745	11.24349	11.03235	11.70779	11.67697	11.91498	11.74914	11.82404	11.71596	11.74393	11.5496	11.43719
ADD2	ADD2	7.167966	7.448732	6.892791	7.115947	6.963083	6.976465	6.879119	7.001646	6.977757	6.9821	6.818875	6.96618
ADD3	ADD3	9.566511	9.940175	9.93328	10.05734	10.385	11.22754	10.40619	10.15273	10.2382	9.941146	9.367731	9.537703
ADFP	ADFP	9.928118	11.25698	10.52513	11.14526	10.39846	10.74247	10.01556	9.945653	9.740045	9.483707	9.443588	9.133342
ADH1A	ADH1A	6.733035	7.04704	6.730767	6.948794	7.074133	6.952605	6.814477	6.895126	7.001376	6.89562	6.74266	6.77004
ADH1B	ADH1B	6.748331	6.960511	6.777265	6.983929	6.916039	6.955637	6.7378	6.923385	6.855244	6.790248	6.726789	6.746213
ADH1C	ADH1C	6.766927	6.885465	6.70243	6.902501	6.755543	6.980578	6.727552	6.811948	6.96564	6.792804	6.766851	6.669455
ADH4	ADH4	6.921242	7.194172	6.873161	7.050367	6.97836	7.040462	6.893769	6.866111	6.938982	6.921149	6.759888	6.842886
ADH5	ADH5	8.36331	8.720186	8.243843	8.563977	8.220722	8.5879	8.182139	8.249106	8.308094	8.202241	7.799487	8.185464
ADH6	ADH6	6.947436	7.274211	7.030655	7.078537	6.946596	7.109522	6.881641	6.991435	7.019457	6.990246	6.787965	6.914856
ADH7	ADH7	6.88581	6.955146	6.773975	6.972276	6.892541	6.94603	6.829207	6.920192	6.747718	6.993685	6.809305	6.796312
ADHFE1	ADHFE1	7.318251	7.432318	7.288914	7.914981	8.156001	9.127344	8.914593	9.065065	8.811785	9.156836	8.404326	8.681256
ADI1	ADI1	7.26778	7.848487	7.641299	7.703692	7.538463	7.664929	7.755106	7.303238	7.783459	7.724713	7.619817	7.892717
ADIPOQ	ADIPOQ	6.914042	7.156629	6.939088	7.219577	7.002269	7.073868	6.997486	7.067952	6.934799	6.98663	6.795127	7.076928
ADIPOR1	ADIPOR1	9.31961	9.452331	9.307335	9.429948	9.301029	10.11214	9.814674	10.0834	9.779981	10.09215	10.15203	9.87368
ADIPOR2	ADIPOR2	10.08345	10.10951	9.97852	10.41083	10.21355	10.91797	10.12513	10.28454	9.974032	10.14713	9.829095	9.651793
ADK	ADK	8.673294	8.999585	8.43043	8.653074	8.378168	9.343225	8.707022	8.799965	8.906246	8.776739	8.58435	8.741748
ADM	ADM	13.11342	13.9854	11.77928	11.30151	10.98167	12.67624	12.19534	12.17237	11.95703	12.08873	11.48207	11.93467
ADM2	ADM2	8.62751	9.089675	7.836831	7.881341	7.822137	7.758203	7.799592	7.982539	8.187928	7.968792	8.122234	8.054613
ADMR	ADMR	6.96774	7.184231	6.897696	7.146398	7.065221	7.190389	7.031638	6.979482	6.997889	7.072104	6.835035	6.938317
ADNP	ADNP	9.145666	9.690691	9.289002	9.745395	9.345758	9.224984	8.883335	8.609479	8.777179	8.520226	8.199823	8.590245
ADORA1	ADORA1	7.09851	7.435694	7.269113	7.405218	7.698392	8.73833	8.648145	8.570185	8.614125	8.958954	8.205395	8.282855
ADORA2A	ADORA2A	7.531852	7.401109	7.170171	7.347199	7.473814	7.634982	7.493618	7.439718	7.528285	7.392185	7.094385	7.104967
ADORA2B	ADORA2B	8.099389	7.920109	7.27083	7.601926	7.925915	7.653551	7.540143	7.432353	7.724519	7.438971	8.028268	7.779541
ADORA3	ADORA3	7.642333	7.922711	7.381407	7.663758	7.582223	8.107354	7.936327	7.797336	7.922833	8.03037	7.756441	7.874019
ADPGK	ADPGK	8.871309	9.460328	9.448389	9.6981	9.303636	9.039223	8.719845	8.764978	8.815594	8.496385	8.604369	8.466975
ADPN	ADPN	7.104402	7.095356	6.862826	7.124383	6.932775	6.965474	6.845487	6.872959	6.83158	7.006859	6.894009	6.946447
ADPRH	ADPRH	6.880252	7.135387	6.852835	7.135859	7.04042	7.284317	7.001946	7.138981	7.058612	7.048084	6.961952	7.106594
ADPRHL1	ADPRHL1	6.955596	7.287915	6.987776	7.216749	8.519445	10.73308	10.59777	10.91157	10.31867	10.81832	10.27797	9.42404
ADPRHL2	ADPRHL2	8.514164	8.882648	8.268818	8.502557	8.589316	9.007336	8.542481	8.420537	8.637712	8.576225	8.725892	8.943067
ADRA1A	ADRA1A	6.879922	7.131464	6.881652	7.061725	6.974627	7.045108	6.945915	7.00984	6.973537	7.009796	6.873663	6.840134
ADRA1B	ADRA1B	6.759898	7.00797	7.078369	7.35288	7.27197	7.392589	7.210358	7.252882	7.346513	7.475398	7.376852	7.560844
ADRA1D	ADRA1D	6.953006	7.260589	6.756027	7.070017	7.065321	7.042827	6.908279	6.956883	6.960706	7.040034	6.901728	6.904509
ADRA2A	ADRA2A	7.525778	8.136868	7.089561	7.3168	7.173342	7.399874	7.272489	7.139354	7.146186	7.271298	7.090084	7.254481

ADRA2B	ADRA2B	7.262659	7.387006	7.158125	7.412396	7.309688	7.577119	7.399186	7.32895	7.463785	7.471915	7.16712	7.322589
ADRA2C	ADRA2C	7.004193	7.123365	7.05532	7.063819	7.027413	7.112456	6.931292	6.980835	6.921388	7.028746	6.793614	6.931334
ADRB1	ADRB1	6.894346	7.051368	6.69909	6.912269	6.92814	6.996116	6.869785	7.014778	7.035598	7.098909	7.341631	7.617456
ADRB2	ADRB2	7.328443	7.316081	7.695209	7.449722	7.875172	9.803057	9.400212	9.172942	8.806229	8.950079	8.104248	8.064774
ADRB3	ADRB3	6.906115	7.194385	6.944387	7.117216	6.872022	6.927306	6.915068	6.941106	6.919654	6.872811	6.839614	6.935296
ADRBK1	ADRBK1	6.796824	6.9545	6.730558	6.965738	6.920203	6.870396	6.846836	6.821889	6.866741	6.828217	6.688204	6.756276
ADRBK2	ADRBK2	6.892609	7.185056	6.925651	7.095018	6.901647	6.926218	6.827714	6.932358	7.050846	6.972945	6.823927	6.846601
ADRM1	ADRM1	10.08281	10.66624	9.842427	9.799692	9.393606	10.21128	9.800671	9.905995	9.727399	10.01681	10.10023	9.596462
ADSL	ADSL	12.99111	13.27386	12.60808	12.40371	12.09686	12.60272	11.89072	11.98057	11.99986	11.85824	11.52634	11.24809
ADSS	ADSS	11.10457	11.32285	10.42425	10.08186	9.900848	9.943931	9.394175	9.285908	9.432005	9.048035	9.365485	8.833485
ADSSL1	ADSSL1	7.510442	7.72454	7.296746	7.594011	7.704181	8.572212	8.43504	8.522072	8.242501	8.447793	8.131778	9.143904
AEBP1	AEBP1	8.016195	8.235546	8.169946	8.684146	9.382788	10.066	9.518734	9.594705	9.542405	9.83287	9.500348	9.496907
AEBP2	AEBP2	9.012283	9.464903	8.302542	8.515027	8.405239	8.337115	7.900759	7.910718	7.978376	7.843873	7.771846	7.961727
AES	AES	9.145282	9.213986	8.860081	9.501309	9.514605	10.32224	9.997626	10.24279	10.09825	10.37679	10.62947	10.22391
AFAP	AFAP	7.365213	7.464857	7.290753	7.749602	7.769644	7.840839	7.936367	8.037741	8.235478	7.924834	7.832317	7.809127
AFAP1L2	AFAP1L2	7.147953	7.576719	7.468173	9.867275	9.568054	7.682399	7.406026	7.537432	7.32308	7.175473	6.965432	6.92137
AFAR3	AFAR3	7.155681	7.275005	7.241262	7.383781	7.24075	7.399412	7.156275	7.015536	7.119598	7.1271	6.957996	7.001238
AFARP1	AFARP1	6.835999	7.087943	6.755995	7.028382	6.891341	6.931016	6.850009	6.99089	6.926888	7.007872	6.768467	6.875345
AFF1	AFF1	7.945594	8.339135	7.927025	8.322293	7.755685	7.980973	7.569183	7.575964	7.557533	7.668053	7.50148	7.743261
AFF2	AFF2	7.231234	7.78113	7.148204	7.88808	7.922227	8.174224	7.558489	7.394631	7.672255	7.330939	6.94306	6.940803
AFF3	AFF3	6.881687	7.264073	7.185406	7.770575	7.687782	8.211934	8.104425	7.886339	8.256689	7.796224	7.286039	7.530991
AFF4	AFF4	9.112231	9.49504	9.174729	9.429295	9.473742	10.52836	9.640993	9.438288	9.400173	9.274359	9.045976	8.945047
AFG3L1	AFG3L1	7.482977	7.797539	7.702558	7.816992	7.705471	7.668198	7.418215	7.333513	7.36068	7.300963	7.143332	7.068686
AFG3L2	AFG3L2	10.50025	10.74652	10.39383	10.38085	10.30459	11.02955	10.8516	11.00632	10.56706	11.03848	10.42893	10.77988
AFM	AFM	6.786025	7.086872	6.764193	7.105211	6.798699	6.917269	6.751086	6.747369	6.812018	6.842589	6.714657	6.817049
AFMID	AFMID	8.269314	8.387821	7.812566	8.04551	7.835319	8.103522	8.12902	8.11762	8.095234	8.253519	7.927624	8.142441
AFP	AFP	8.665038	10.43136	7.306389	8.579054	10.94931	7.149951	7.248543	7.08432	7.33968	7.133074	7.135997	6.94848
AFTIPHILII	AFTIPHILII	7.110315	7.420955	7.001743	7.241774	7.189069	7.213057	7.049049	7.128344	7.298851	7.211129	7.105005	7.094866
AFTPH	AFTPH	7.863235	7.957533	7.46369	7.812671	7.655198	7.899169	7.500822	7.669746	7.558927	7.682643	7.918542	7.908177
AGA	AGA	7.76382	8.331295	7.811053	7.720602	7.774565	7.773209	7.667597	7.670586	7.772604	7.396724	7.467233	7.832931
AGBL1	AGBL1	6.840221	7.022454	6.797274	7.023296	6.884372	6.927372	6.877162	6.981882	6.770994	6.919509	6.682819	6.773537
AGBL2	AGBL2	6.862874	7.033071	6.685992	6.961146	6.943931	6.928846	6.716322	6.883556	6.870708	6.907573	6.797335	6.745772
AGBL3	AGBL3	6.805466	6.972735	6.773783	6.973249	6.909777	6.888587	6.826864	6.853528	6.826467	6.842285	6.739411	6.68482
AGBL4	AGBL4	6.853937	6.938848	6.844342	7.034257	6.955347	6.886797	6.740427	6.81132	6.899839	6.818458	6.675273	6.842364
AGC1	AGC1	6.905179	7.150822	6.893074	7.058869	7.064844	6.965364	6.976683	7.002483	6.947138	7.047007	6.778646	6.883766
AGER	AGER	6.976435	7.119992	6.941967	7.047834	7.031542	7.03392	6.895967	7.019796	6.94852	6.976514	6.788009	6.834247

AGGF1	AGGF1	8.719426	8.934378	8.699485	9.032208	8.936402	9.254511	8.786597	8.798127	8.666362	8.573853	8.321006	8.215937
AGL	AGL	7.818675	7.94084	7.860295	8.456554	8.644098	9.673124	9.300559	9.266089	9.159267	9.222346	8.570044	8.736707
AGMAT	AGMAT	7.308108	7.612218	7.014576	7.090725	7.027068	7.004434	6.880432	6.908218	6.907606	6.889633	6.724761	6.75638
AGPAT1	AGPAT1	7.83634	7.980729	7.535974	7.958397	7.832508	8.067786	7.924974	8.075787	7.838745	8.069792	8.039773	7.890433
AGPAT2	AGPAT2	7.899557	8.077036	7.610519	7.914897	7.884465	8.06843	7.878776	7.96703	7.964111	8.187021	8.351657	8.269497
AGPAT3	AGPAT3	6.917377	7.096767	6.880967	7.124833	7.04155	7.161874	7.033428	7.199252	7.013489	7.078308	7.049167	6.960239
AGPAT4	AGPAT4	8.376624	8.616708	8.726171	9.059101	9.259742	8.480165	8.204862	8.202346	8.224149	7.908129	7.900571	7.736943
AGPAT5	AGPAT5	9.876808	9.818073	9.111426	8.940968	8.391176	8.500148	8.108802	8.095492	8.161465	7.821313	8.003578	8.116626
AGPAT6	AGPAT6	7.269311	7.522258	7.216548	7.239933	7.196234	7.362851	7.288711	7.106704	7.143969	7.240502	7.005715	7.194514
AGPAT7	AGPAT7	7.46739	7.614563	7.176886	7.368351	7.36454	7.831773	7.886197	7.917084	7.595686	7.853203	7.738867	7.82207
AGPS	AGPS	9.517642	9.940138	9.307255	9.284235	9.0052	9.427919	8.701663	8.866363	8.579691	8.681758	9.173533	8.960414
AGR2	AGR2	6.95158	7.194742	6.88015	7.095585	7.023225	7.131316	6.919199	6.979848	6.999628	6.884933	6.927237	6.862114
AGR3	AGR3	7.010988	7.192516	6.915664	7.122459	7.212805	7.014154	6.978849	6.989371	7.320118	7.116068	6.900438	6.938516
AGRN	AGRN	8.214975	8.26146	7.856102	8.438388	8.020548	7.68802	7.705653	7.820502	7.894976	7.695111	8.025378	7.397463
AGRP	AGRP	6.922811	6.990304	6.736641	6.962797	6.960032	6.971457	6.920698	7.00266	6.985843	7.027059	6.717572	6.869143
AGT	AGT	6.749267	6.997648	6.822418	7.098936	7.291048	8.461858	9.047587	9.315803	9.201527	9.545369	9.24336	9.48605
AGTPBP1	AGTPBP1	9.174103	9.302917	8.992949	9.055398	8.864832	8.321118	8.110087	8.187208	8.165071	8.168056	8.093598	8.093086
AGTR1	AGTR1	6.83396	7.164469	6.809322	6.985993	7.355342	7.11049	6.978031	6.991232	7.018203	7.11498	7.057059	7.001997
AGTR2	AGTR2	7.056304	7.086874	6.794363	7.1071	6.902488	7.075031	6.916932	7.057587	6.873912	6.942044	6.837614	6.827006
AGTRAP	AGTRAP	8.084361	8.363044	7.733016	7.749659	7.455754	7.657133	7.402719	7.611314	7.483713	7.502415	7.700483	7.489416
AGTRL1	AGTRL1	6.959491	7.091851	13.05131	12.63141	9.219072	7.791972	8.169026	7.758154	7.708433	7.340248	6.949185	6.808767
AGXT	AGXT	6.830144	7.001038	6.829529	7.136865	6.862768	7.051844	6.918468	7.022005	6.977549	7.044451	6.843969	6.882265
AGXT2	AGXT2	6.848613	7.029788	6.823766	6.931367	6.890606	6.860391	6.783453	6.859751	6.986562	6.997124	6.698238	6.80825
AGXT2L1	AGXT2L1	7.163378	7.277932	7.076151	7.09962	7.000341	7.12295	7.140475	7.225115	7.120824	7.177407	6.93033	7.217113
AHCTF1	AHCTF1	8.727836	8.778902	8.629972	9.015279	8.762583	8.605835	7.996323	8.029932	8.03024	7.860044	7.810825	7.899149
AHCY	AHCY	12.54012	12.75437	11.66189	12.03546	12.22029	11.87612	11.61639	11.90176	11.4779	11.70512	11.77816	10.93455
AHCYL1	AHCYL1	11.02495	11.08691	10.59374	11.57372	11.37882	11.37103	10.59197	10.82518	10.61561	10.71023	10.9717	11.06398
AHDC1	AHDC1	7.193118	7.39602	7.204141	7.73526	7.548968	7.602511	7.45732	7.465436	7.424902	7.485545	7.422476	7.34106
AHI1	AHI1	7.813872	8.081957	7.822556	8.472083	8.566871	8.854399	8.445959	8.507256	8.484271	8.319175	8.183901	8.038908
AHNAK	AHNAK	7.172134	8.155696	8.990238	10.23012	10.22614	9.164057	8.885616	9.162006	9.518468	9.333023	9.951805	9.271943
AHR	AHR	10.9714	11.856	11.28001	11.7676	11.66705	11.7145	11.81784	11.1349	11.55257	11.06159	10.47872	11.3004
AHRR	AHRR	6.975721	7.090588	6.859865	7.109923	6.990068	6.942199	6.875797	6.925641	6.84555	6.989779	6.798158	6.763284
AHSA1	AHSA1	10.51376	10.86362	10.21371	10.22314	9.881571	10.63943	10.3002	10.29482	10.37434	10.39288	9.98678	10.52884
AHSA2	AHSA2	8.016979	8.082233	7.855185	8.293698	8.347774	8.337648	8.317744	8.244875	8.279489	7.963837	7.60775	7.48169
AHSG	AHSG	7.109733	7.40613	6.982562	7.129286	7.254641	7.355177	7.170797	7.099692	7.225096	7.284277	7.102448	7.020681
AICDA	AICDA	6.771758	7.026748	6.906531	7.072626	6.989689	6.967487	6.92884	6.936689	6.881985	6.96262	6.890777	6.928544

AIF1	AIF1	7.498157	7.582243	7.182677	7.25069	7.132784	7.120998	6.989802	6.984501	7.032331	7.037468	6.867084	6.889948
AIFL	AIFL	7.067114	7.20654	6.857172	7.069905	6.848752	7.045407	6.999028	6.997973	7.028734	7.074431	6.826686	6.788707
AIFM1	AIFM1	10.75864	10.69827	10.33768	10.74181	10.899	12.04677	11.56198	11.49415	11.40815	11.44658	10.72237	11.09305
AIG1	AIG1	8.593434	9.251908	7.77459	8.078587	8.261449	9.105173	8.942242	9.063503	9.112423	9.355375	9.031037	9.131025
AIM1	AIM1	7.2417	7.432052	7.0736	7.238173	7.065985	7.031665	7.047169	7.137709	7.048168	7.168842	7.004346	7.030856
AIM1L	AIM1L	6.867849	7.058784	6.723707	6.972118	6.826041	6.832438	6.870048	6.895235	6.841893	6.955704	6.754104	6.816507
AIM2	AIM2	7.21132	7.233124	7.108523	7.240459	7.007017	7.044621	6.919156	6.848198	6.986682	6.886128	6.8371	6.832517
AIP	AIP	8.406359	8.507735	8.605412	9.080483	9.319372	9.500868	9.226179	9.548282	9.358594	9.863267	9.751007	9.366002
AIPL1	AIPL1	7.000573	7.128741	6.837342	7.0814	6.992385	7.025428	6.877052	6.98978	6.852876	6.976272	6.796946	6.886561
AIRE	AIRE	11.2288	12.08204	11.41722	12.00823	11.95219	11.84839	12.0549	11.33317	11.80008	11.36248	10.77661	11.59149
AJAP1	AJAP1	6.89372	7.084761	6.904306	7.045887	6.922811	7.009857	6.974546	6.963197	6.937416	6.968744	6.895011	6.792943
AK1	AK1	7.833097	7.960594	7.459945	8.449921	9.670269	11.01371	10.87813	10.68915	10.94952	10.91339	10.29634	10.64767
AK2	AK2	9.645804	10.14094	9.428742	9.56655	9.963542	10.97846	10.62887	10.54398	10.84117	10.88198	10.75523	10.51609
AK3	AK3	10.61033	10.91346	10.11564	10.9928	11.21408	12.0065	11.61684	11.68477	11.44568	11.67523	11.50471	11.63507
AK3L1	AK3L1	9.749107	10.0274	8.613879	8.613989	8.671506	8.435889	8.383463	8.145436	8.433205	8.489632	8.485553	9.041101
AK3L2	AK3L2	9.455244	9.573994	8.258853	8.222203	8.377558	8.261098	8.050404	8.278194	8.168651	8.450588	8.612724	8.983296
AK5	AK5	6.891769	7.055525	6.746683	6.967459	6.892042	6.925674	6.820876	6.924938	6.938414	6.92523	6.805496	6.915003
AK7	AK7	6.850002	6.943053	6.886084	7.03175	7.047743	6.892689	6.96567	6.911726	6.84165	6.938443	6.767457	6.830485
AKAP1	AKAP1	7.655731	7.751942	7.068116	7.364186	7.219681	7.472988	7.469852	7.373536	7.524157	7.592139	7.23358	7.803983
AKAP10	AKAP10	7.57547	7.811115	7.551604	7.903084	7.649069	7.745284	7.41329	7.694758	7.530835	7.589456	7.593272	7.624336
AKAP11	AKAP11	8.009836	8.480642	8.07451	8.626427	8.676686	9.172126	8.514651	8.455421	8.326043	8.189269	8.150758	8.49444
AKAP12	AKAP12	8.104284	8.445213	7.945759	8.831808	8.467897	8.152952	7.732784	7.508662	7.798534	7.47731	7.640939	7.566079
AKAP13	AKAP13	8.417005	8.693183	8.521736	9.162373	9.00182	9.220352	9.506079	9.800491	9.384937	9.651826	9.119887	9.790304
AKAP14	AKAP14	6.915943	7.019975	6.831317	7.007443	6.920222	6.949017	6.784938	6.921728	6.878948	6.931603	6.755766	6.794452
AKAP2	AKAP2	6.833787	7.06523	6.788336	7.021796	6.915033	6.907115	6.885889	6.962352	6.86748	6.951938	6.688264	6.82239
AKAP3	AKAP3	7.131419	7.389882	7.096497	7.304507	7.305902	7.415743	7.165692	7.180865	7.23176	7.179512	7.208898	7.126271
AKAP4	AKAP4	6.888031	7.112042	6.907633	7.242202	7.16978	7.024829	6.927051	6.999401	6.964721	7.018901	6.832857	6.940763
AKAP5	AKAP5	6.936321	7.187537	6.881806	7.071667	6.985505	6.949115	6.949248	7.024075	7.021775	6.986892	6.775252	6.878211
AKAP6	AKAP6	6.830845	7.0007	6.760892	6.937231	7.011795	7.925372	7.622518	8.075828	7.697555	7.908183	7.406827	7.679624
AKAP7	AKAP7	8.509499	8.414373	7.615594	8.317838	8.674068	8.344792	7.979648	7.973334	8.075641	7.91746	7.610662	7.624457
AKAP8	AKAP8	9.262312	9.389304	9.245798	9.07835	8.924971	9.306584	8.647528	8.731051	8.418606	8.417534	8.378663	8.40852
AKAP8L	AKAP8L	8.320215	8.395924	8.016241	8.372086	8.20796	8.980847	8.289712	8.535417	8.223489	8.626531	8.480044	8.80449
AKAP9	AKAP9	7.001478	7.246403	6.89847	7.220433	7.071531	7.214627	7.009973	7.125475	7.12896	7.12932	6.850224	7.082877
AKNA	AKNA	8.127284	8.513866	7.648785	7.688636	7.742225	7.752048	7.525472	7.506018	7.537506	7.369783	7.300414	7.204353
AKR1A1	AKR1A1	11.51416	11.40013	10.38061	10.66855	10.70592	11.17997	10.67223	10.59408	10.67856	10.62346	10.45915	10.07789
AKR1B1	AKR1B1	11.70026	12.16032	11.36612	11.84447	11.88564	12.56566	12.4814	12.90561	12.50669	13.01161	13.09177	12.72595

AKR1B10	AKR1B10	6.783695	7.050591	6.871557	7.283383	8.075419	7.361481	7.155808	7.0315	7.057066	7.253632	7.25007	7.043201
AKR1C1	AKR1C1	6.715903	6.977886	6.615282	7.0109	6.897032	6.925242	6.868054	6.82875	6.84826	6.756327	6.794828	6.743723
AKR1C2	AKR1C2	6.902123	7.066216	6.815733	7.229622	7.051597	6.940045	6.892054	6.975848	7.617223	6.99279	6.867748	6.903522
AKR1C3	AKR1C3	8.863982	8.123885	7.882631	7.970597	7.447523	8.044322	7.633789	7.501045	7.61792	7.366006	7.741367	8.22
AKR1C4	AKR1C4	6.848141	7.12579	6.808392	6.991273	6.887391	7.077411	6.915559	6.930051	6.940263	6.947078	6.846986	6.887893
AKR1CL1	AKR1CL1	6.885605	7.014034	6.81316	7.065303	6.950446	7.001165	6.831866	6.960389	6.887374	6.98732	6.849288	6.770953
AKR1CL2	AKR1CL2	6.869132	7.061265	6.835639	6.889891	6.921076	6.928695	6.824808	6.945039	6.83464	6.842733	6.629332	6.801216
AKR1D1	AKR1D1	12.75025	13.36747	12.77688	13.32069	13.1061	13.13758	13.11644	12.70525	12.97069	12.6863	12.11429	12.75805
AKR7A2	AKR7A2	10.83266	11.32269	11.20641	11.51962	11.54382	11.66232	11.41941	11.24976	11.46201	11.40668	11.05821	11.29548
AKR7A3	AKR7A3	7.726634	8.166243	8.031027	8.29157	8.264515	8.243348	8.188722	8.114336	8.210581	8.254881	8.252588	8.138336
AKT1	AKT1	9.672273	9.432226	9.959149	10.63072	10.75005	10.76433	10.47723	10.65295	10.39771	10.46915	10.4574	10.28234
AKT1S1	AKT1S1	7.160714	7.486807	7.173418	7.211066	7.104999	7.408204	7.137501	7.305406	7.067298	7.250936	7.178808	7.167482
AKT2	AKT2	7.053952	7.39329	6.97824	7.217514	7.112022	7.213199	7.171998	7.147234	7.044291	7.179364	6.956242	7.071936
AKT3	AKT3	7.006485	7.10662	6.877831	7.052326	6.999483	7.020968	6.975603	7.037661	6.979814	7.081248	6.925517	7.023029
AKTIP	AKTIP	9.118165	9.298454	8.797494	9.052922	9.336144	10.42092	10.10665	10.22591	10.16649	10.18259	10.34953	10.26022
ALAD	ALAD	7.362438	7.438713	7.253518	7.732106	7.953873	8.057599	8.010472	8.037643	8.15921	8.150331	8.015606	8.095869
ALAS1	ALAS1	7.177439	7.313765	6.988587	7.195818	7.080453	7.406793	7.227206	7.339701	7.295561	7.400758	7.282009	7.179027
ALAS2	ALAS2	6.882679	7.05391	6.85757	7.25827	6.989515	7.040857	6.866354	6.983462	6.913928	7.118478	6.98095	6.957623
ALB	ALB	6.96551	7.083066	6.993537	7.141712	7.162447	7.08265	6.988246	6.966974	6.999081	7.034118	6.799639	7.583644
ALCAM	ALCAM	9.307861	9.846362	8.771145	10.32849	9.781903	9.209812	9.241899	9.04905	9.052345	9.055037	9.642181	9.598243
ALDH16A1	ALDH16A1	8.029404	8.542889	7.992046	8.137048	7.73188	7.782474	7.65269	7.637308	7.572038	7.383186	7.50724	7.401729
ALDH18A1	ALDH18A1	10.10397	10.38426	9.69097	10.00761	10.10334	9.116115	8.51393	8.601167	8.788303	8.473386	8.803119	8.761735
ALDH1A1	ALDH1A1	7.16317	7.233239	7.031984	7.405284	8.075258	7.258071	7.10236	7.406363	7.604714	7.209057	6.9631	6.972519
ALDH1A2	ALDH1A2	7.316413	7.404591	7.760878	8.988187	8.603151	7.876438	7.680868	7.909562	8.555051	7.381538	7.571526	7.207708
ALDH1A3	ALDH1A3	7.756618	7.658736	8.05714	7.253912	7.48062	7.025765	6.80782	7.104564	7.17524	7.430288	8.154482	7.604244
ALDH1B1	ALDH1B1	8.631137	8.754126	7.883707	7.819681	7.694252	7.813873	7.640916	7.505283	7.503797	7.735306	7.693387	7.50362
ALDH1L1	ALDH1L1	7.010927	7.002326	6.635256	6.987841	6.962078	7.003716	6.804084	6.862921	6.879564	7.014749	6.847669	6.87257
ALDH1L2	ALDH1L2	7.133098	7.296783	6.954576	7.090697	7.055058	7.086454	6.899485	7.064336	7.035706	7.040171	7.179843	7.0099
ALDH2	ALDH2	9.424237	9.58994	10.14151	11.16853	10.44274	10.26603	9.976134	10.00822	10.07818	10.14225	10.12744	9.980444
ALDH3A1	ALDH3A1	6.931597	7.123164	6.681384	6.906529	6.77672	6.882949	6.690047	6.930285	6.788153	6.846911	6.754668	6.723132
ALDH3A2	ALDH3A2	9.422256	10.28067	9.436405	8.99505	9.993994	10.821	10.54342	10.85924	10.25739	10.50719	10.27535	9.919073
ALDH3B1	ALDH3B1	6.88309	7.066282	6.739191	7.089138	6.938665	7.009903	6.880783	6.948648	6.895651	6.993137	6.786244	6.908318
ALDH3B2	ALDH3B2	6.813826	7.047088	6.883663	7.047343	6.9704	6.907908	6.887774	6.934575	6.929519	6.958233	6.770965	6.815645
ALDH4A1	ALDH4A1	8.455828	8.795785	7.948555	8.162993	8.347338	9.529082	9.291238	8.932928	8.861803	8.868885	8.070633	8.085401
ALDH5A1	ALDH5A1	7.467011	7.628453	7.32894	8.055645	8.220168	8.365589	8.062527	7.972358	8.225532	7.988747	7.735403	7.727925
ALDH6A1	ALDH6A1	9.16114	9.459953	8.978855	9.337817	9.32672	9.125657	8.887911	8.8209	8.777409	8.909142	8.529433	8.949954

ALDH7A1	ALDH7A1	12.20552	12.67561	11.95813	12.11486	11.64076	11.4848	11.10372	10.98681	10.92411	10.74925	10.43666	10.36209
ALDH8A1	ALDH8A1	6.957261	7.131684	6.865334	7.019256	7.038949	7.061261	7.005156	6.988533	7.002155	6.984261	6.846779	6.887679
ALDH9A1	ALDH9A1	12.81767	13.04239	12.48236	12.58072	12.58689	12.91868	12.57289	12.63189	12.49332	12.58202	12.17153	12.30839
ALDOA	ALDOA	11.04179	11.00724	10.1819	10.6253	11.02334	11.94552	11.40324	11.84642	11.44928	11.85934	12.34725	12.21499
ALDOB	ALDOB	7.169173	7.460189	6.938329	7.271754	7.073636	7.110208	7.147906	7.016161	7.109641	7.03761	6.949177	6.949363
ALDOC	ALDOC	11.77156	10.90916	10.26984	10.50906	11.18905	10.64348	11.14787	11.9551	12.52252	13.41482	12.80619	13.5867
ALF	ALF	6.831317	7.063497	6.797556	7.036436	6.981677	6.919361	6.778212	6.960109	6.839062	6.797081	6.885848	6.799825
ALG1	ALG1	7.9804	8.268351	7.688465	7.659317	7.621633	7.746922	7.35259	7.604629	7.411527	7.509166	7.589981	7.510506
ALG10	ALG10	7.16829	7.461056	7.206288	7.407057	7.362494	7.182839	6.921528	7.064577	7.139527	7.18791	6.930455	7.018961
ALG11	ALG11	8.26769	8.612114	8.306011	8.625131	8.693245	8.522593	8.16002	7.894105	8.085451	7.94021	7.547428	8.329977
ALG12	ALG12	7.129734	7.246819	7.090253	7.2165	7.149768	7.274481	7.072863	7.232818	7.174382	7.22461	7.172379	7.069288
ALG13	ALG13	8.038444	8.742356	8.612142	8.574396	8.426269	8.786418	8.340066	8.365709	8.508465	8.527716	8.73649	8.172325
ALG14	ALG14	7.367157	7.684065	7.678254	7.872498	7.926634	8.366625	7.987341	8.119769	8.135435	8.230613	8.472729	7.869246
ALG2	ALG2	7.078906	7.29107	7.034422	7.197002	7.255469	7.216838	7.128268	7.109756	7.084546	7.174791	7.051199	7.060451
ALG3	ALG3	9.207713	9.533054	8.719007	8.704338	8.633211	8.507942	8.254418	8.249217	8.382558	8.28829	8.340046	8.469997
ALG5	ALG5	9.786109	10.2086	9.823195	9.86642	10.10298	10.19066	9.702122	9.449547	9.818289	9.510575	9.756485	9.672463
ALG6	ALG6	10.12485	10.42772	9.420314	9.073494	8.942224	8.737349	8.358913	8.407601	8.560438	8.197512	8.3737	8.188636
ALG8	ALG8	10.22036	10.61818	10.25516	10.20642	9.955573	10.37457	9.645442	9.723679	9.617043	9.296362	9.234892	9.062884
ALG9	ALG9	8.975092	9.152088	8.918393	9.266564	9.13201	9.379096	9.335513	9.360835	9.173859	9.116171	9.312705	8.841796
ALK	ALK	6.930777	7.1215	6.999494	7.517201	7.530568	7.476931	7.427508	7.304904	7.345723	7.174929	7.089899	6.896491
ALKBH	ALKBH	8.311365	8.616622	8.198751	8.340056	8.328419	8.800869	8.227274	8.480762	8.36023	8.23351	8.562791	8.533722
ALKBH1	ALKBH1	7.878892	8.26707	7.870624	7.966597	7.831203	8.291141	7.802889	8.015598	7.89392	7.938783	8.048302	8.081432
ALKBH2	ALKBH2	8.821684	8.861216	8.334769	8.533805	8.653389	8.894549	8.349497	8.263084	8.326101	8.125853	7.947724	7.715221
ALKBH3	ALKBH3	8.604129	9.057672	8.933727	9.018162	9.088646	9.585557	9.082658	9.161435	9.236079	9.07744	9.155939	8.95904
ALKBH4	ALKBH4	7.650737	7.907415	7.212535	7.723513	7.581363	7.788663	7.759276	7.617909	7.564676	7.780352	7.397279	7.574549
ALKBH5	ALKBH5	12.40288	12.36289	11.88006	12.29239	12.68677	12.98741	12.59277	12.66311	12.40261	12.55916	12.33419	12.74178
ALKBH6	ALKBH6	8.341245	8.645074	8.187821	8.395252	8.250354	8.597786	8.383985	8.372962	8.38998	8.546429	8.377843	8.181897
ALKBH7	ALKBH7	8.482881	8.918265	8.477193	8.662662	9.121926	9.821461	9.097375	9.287757	9.085409	9.472763	9.476784	8.950211
ALKBH8	ALKBH8	8.488707	8.857846	8.432179	8.147404	7.978406	8.337884	7.831737	7.851456	7.920263	7.454506	7.263294	8.122748
ALLC	ALLC	6.834734	7.083933	6.852356	7.023285	6.966737	7.081312	6.893216	7.010329	6.875738	6.896583	6.81234	6.929691
ALMS1	ALMS1	8.077734	8.309695	7.918489	8.255112	7.802124	7.624175	7.391323	7.415358	7.534742	7.278263	7.080265	7.32743
ALOX12	ALOX12	7.10541	7.407687	7.046031	7.108191	7.047402	7.093268	6.975274	6.939373	6.821419	6.755667	6.763541	6.822586
ALOX12B	ALOX12B	6.872034	7.092892	6.787142	6.986127	6.958806	6.944612	6.921567	6.947118	6.870208	6.97493	6.950435	6.869214
ALOX12P2	ALOX12P2	6.934167	7.192342	6.919723	7.069809	6.990537	7.028133	6.860319	6.910153	6.909153	6.924848	6.762046	6.835189
ALOX15	ALOX15	6.912896	7.136466	6.895764	7.507356	7.772613	7.033285	6.992549	7.091684	6.957243	6.914399	6.875757	6.875535
ALOX15B	ALOX15B	6.98413	7.191452	6.86684	6.962245	7.03002	6.989363	6.915958	6.926587	6.953534	6.995059	6.815752	6.922618

ALOX5	ALOX5	7.3708	7.48693	7.046321	7.220886	7.140091	7.098221	7.092477	7.117417	7.037992	7.100429	6.884996	6.880765
ALOX5AP	ALOX5AP	6.772532	7.084176	6.873793	7.218825	7.196924	7.032186	7.001588	7.073476	7.184406	7.190513	7.106352	7.13031
ALOXE3	ALOXE3	6.887582	7.091345	6.901246	7.110543	6.99443	7.18793	6.952623	7.049572	6.935437	6.939988	6.854586	6.898416
ALPI	ALPI	7.069253	7.209187	6.925412	7.15693	6.989744	7.152016	7.089097	7.10326	7.059418	6.997231	6.963901	7.027394
ALPK1	ALPK1	6.945072	7.067662	6.761287	6.954567	6.988873	6.89934	6.892182	6.912805	6.96628	6.836818	6.776789	6.853934
ALPK3	ALPK3	6.86675	7.031752	6.938301	7.046852	6.881753	7.169514	7.030278	7.134109	7.006887	6.999058	6.947362	6.910947
ALPL	ALPL	12.70409	12.78266	11.99391	10.76619	8.902443	7.397513	7.051083	7.047888	7.34959	7.141231	6.78361	6.940175
ALPP	ALPP	10.9311	11.88335	11.29727	11.86456	12.00057	11.82888	11.96479	11.25573	11.61754	11.29858	10.94663	11.46836
ALPPL2	ALPPL2	7.035186	7.164181	6.969362	7.221434	6.964994	7.046069	6.97556	6.967223	6.962249	6.965204	6.884257	6.957007
ALS2	ALS2	10.26364	10.67136	10.38767	10.70238	10.38409	11.18386	10.58091	10.5468	10.45349	10.48701	9.875142	10.06952
ALS2CL	ALS2CL	6.939796	6.994027	6.857889	7.045444	6.895564	6.993171	6.904609	6.959005	6.866375	6.954337	6.746537	6.866168
ALS2CR11	ALS2CR11	6.873912	7.104443	6.784158	7.00139	6.880618	6.928363	6.914656	6.981439	6.743981	6.933287	6.848729	6.85249
ALS2CR12	ALS2CR12	6.844898	7.112238	6.820015	6.963515	6.932372	7.012883	6.80632	6.887503	6.880104	6.97601	6.802883	6.891901
ALS2CR13	ALS2CR13	11.06445	11.15682	10.88735	10.6243	10.4951	9.678777	9.272818	8.874944	9.570375	8.448129	8.180925	8.809937
ALS2CR14	ALS2CR14	7.618002	8.058864	7.805577	8.005548	8.093158	7.979957	8.07955	7.661738	7.932675	7.72752	7.373623	7.773414
ALS2CR15	ALS2CR15	6.928151	7.345245	6.848347	7.261925	7.264867	7.269988	7.266394	7.47573	7.298433	7.225755	7.202858	7.160182
ALS2CR16	ALS2CR16	7.001734	7.159783	6.970937	7.224704	7.392372	7.279459	7.161705	7.294192	7.235386	7.021456	6.898113	7.062121
ALS2CR19	ALS2CR19	6.90886	7.061238	6.753608	7.126005	6.876457	6.941943	6.887423	6.937909	6.961151	6.911817	6.858815	6.911167
ALS2CR2	ALS2CR2	9.988299	10.23674	9.928785	10.15063	10.49669	10.72041	10.10064	10.05516	9.921788	9.67856	9.183562	9.26905
ALS2CR4	ALS2CR4	10.04978	10.7968	10.55297	10.62354	10.63238	10.53359	9.924199	10.06154	10.011	9.919038	10.00553	9.763592
ALS2CR7	ALS2CR7	6.875936	7.131685	6.869349	7.146736	6.99783	7.204609	7.012198	7.024593	6.956426	6.997241	6.976525	6.930817
ALS2CR8	ALS2CR8	6.847058	7.067532	6.949156	7.124034	7.134888	7.335895	7.258327	7.233185	7.100099	7.190988	7.001828	7.115568
ALX3	ALX3	6.943703	7.145652	6.88343	7.182476	7.084479	7.163377	6.979052	7.06154	7.084655	7.017454	6.806362	6.961655
ALX4	ALX4	6.733915	7.040243	6.732117	7.022284	6.813072	6.942843	6.889155	6.813308	6.840045	6.840169	6.754912	6.72628
AMAC1	AMAC1	6.976668	7.180055	6.879465	7.117572	6.986977	7.111687	6.966626	7.013911	7.146659	7.079258	6.743531	7.046509
AMAC1L2	AMAC1L2	6.901567	7.198685	6.936134	7.150144	7.065745	7.168148	7.032402	7.085292	6.956682	7.091868	6.806869	6.960487
AMACR	AMACR	7.441828	7.873138	7.391258	7.606317	7.600498	8.286253	7.826592	7.972437	7.802394	7.852457	7.575169	7.523344
AMBN	AMBN	6.850047	6.968053	6.788535	7.068142	6.974647	6.972533	6.855024	6.983881	6.821609	6.969002	6.76701	6.868979
AMBP	AMBP	7.168947	7.253084	7.048601	7.223901	7.173296	7.174023	7.09573	7.107446	7.189131	7.128902	7.056482	6.994692
AMD1	AMD1	11.50831	11.70676	11.23827	11.14588	10.4354	10.81905	10.26041	10.19227	10.05506	10.05117	9.750713	9.531642
AMDHD1	AMDHD1	6.973321	7.297868	6.988424	7.174319	6.991304	7.561588	7.147368	7.227261	7.182833	7.129324	6.916953	7.113095
AMDHD2	AMDHD2	7.943701	8.42997	7.824691	7.795243	7.530627	7.745477	7.430793	7.529819	7.403183	7.494601	7.38664	7.538366
AMELX	AMELX	6.82477	6.981808	6.746069	7.006739	6.959878	6.949102	6.879911	6.910621	6.968438	6.928025	6.815132	6.830511
AMELY	AMELY	6.999018	7.106886	6.957027	7.080611	6.993048	7.22224	6.873738	6.944288	6.858583	6.956316	6.907047	6.964924
AMFR	AMFR	7.878621	8.083036	8.389498	8.819452	8.803357	9.331994	8.743318	9.005924	8.873683	8.891623	9.063691	9.264817
AMH	AMH	7.22165	7.276317	7.25757	7.340343	7.288337	7.409297	7.20864	7.153206	7.148147	7.323001	7.063595	7.135013

AMHR2	AMHR2	7.109421	7.182201	9.573572	10.40176	11.05513	10.86473	10.68436	10.47476	10.61265	10.17353	8.925346	9.645318
AMICA1	AMICA1	7.083165	7.298069	7.081605	7.203062	7.108247	7.163993	7.115698	7.118018	7.13182	7.221727	7.007337	7.129521
AMID	AMID	7.126471	7.323306	6.918523	7.096218	7.10665	7.216799	7.090835	7.183775	7.063382	7.108588	7.139062	7.002963
AMIGO1	AMIGO1	7.035492	7.294603	6.906822	7.142521	7.087937	7.370665	7.171269	7.16693	7.109547	7.078734	6.974278	7.114987
AMIGO2	AMIGO2	7.073245	7.284533	6.9472	7.157096	7.08329	7.165672	7.001599	7.108455	7.185612	7.15744	6.957765	7.056837
AMIGO3	AMIGO3	7.075582	7.271014	6.96043	7.164623	7.105636	7.170548	7.251796	7.131614	7.08144	7.164589	6.980585	6.983995
AMMECR1	AMMECR1	8.630403	9.065785	8.151383	8.176281	8.036171	8.373884	8.060801	8.107345	8.01316	7.843064	7.996003	7.766686
AMN	AMN	7.068022	7.200743	6.902854	7.203155	7.058642	7.00925	6.946701	6.978461	7.015455	6.976196	6.840847	6.87786
AMOT	AMOT	7.865556	7.966784	9.404585	10.3551	10.11626	8.553845	7.958124	8.05019	8.262868	7.654408	7.669449	7.380002
AMOTL1	AMOTL1	6.993457	7.191929	7.12222	7.185207	7.082392	7.041852	6.968169	6.992834	6.927186	7.041953	6.749119	6.919353
AMOTL2	AMOTL2	6.913655	7.21282	6.873036	7.140066	6.812402	6.996193	6.957832	6.994248	6.826433	7.055535	6.930981	6.963996
AMPD1	AMPD1	6.851264	7.006065	6.76734	7.027115	6.815908	6.894247	6.794389	6.853156	6.917924	6.832576	6.846386	6.834874
AMPD2	AMPD2	6.910941	7.114519	6.824597	7.07151	6.914259	7.008859	6.887263	6.962504	6.861104	6.903571	6.80135	6.824675
AMPD3	AMPD3	6.90858	7.051031	6.867978	7.05844	6.944409	6.994108	6.90637	6.985828	6.908576	6.972596	6.798874	6.94298
AMPH	AMPH	8.356958	8.17888	7.614651	7.675538	7.354284	8.091283	8.303274	8.411418	8.861283	8.504099	7.970289	7.818708
AMT	AMT	10.11034	10.4135	9.260026	9.231124	9.400494	10.23869	9.968517	9.808526	9.557435	9.531567	8.486858	8.86699
AMY1A	AMY1A	9.459848	10.13196	9.576695	9.468873	9.560617	8.544285	8.673412	8.254811	8.985215	8.473419	9.35303	9.356773
AMY1B	AMY1B	8.036395	8.407697	8.000807	8.124758	8.148192	7.809519	7.789877	7.715198	7.82892	7.684465	7.927862	7.823174
AMY1C	AMY1C	12.77381	13.51705	12.79725	13.12177	12.92373	11.97375	11.94306	12.11899	12.43291	12.00928	13.15622	12.91431
AMY2A	AMY2A	6.930907	7.167234	6.822772	7.110396	6.996002	7.090953	6.931259	6.901958	6.932551	7.039911	6.85502	6.927692
AMY2B	AMY2B	6.999619	7.15406	6.913507	7.331843	7.601638	8.219447	8.230876	7.80593	7.883115	7.778476	7.171046	7.492016
AMZ1	AMZ1	6.937191	7.192591	6.81708	7.016019	6.969905	7.048766	6.933867	6.987035	7.020786	7.06135	6.939919	6.969852
AMZ2	AMZ2	10.04465	10.26065	9.964652	10.07089	10.10844	10.77105	10.31175	10.48809	10.42995	10.34607	10.36655	10.111
ANAPC1	ANAPC1	9.804049	10.15008	9.48361	9.282306	8.840498	8.856747	8.334503	8.21192	8.249777	8.274148	8.11635	8.167575
ANAPC10	ANAPC10	9.184604	9.630473	9.543843	9.315766	9.380743	10.0416	9.341909	9.403547	9.653508	9.472952	9.624027	9.053411
ANAPC11	ANAPC11	9.04795	9.48387	9.074222	9.210557	9.016732	9.298914	9.226094	9.156851	9.298227	9.423206	9.116095	9.084841
ANAPC13	ANAPC13	10.91045	11.25847	11.23075	11.88141	12.03517	12.73516	12.31985	12.39203	12.44075	12.29084	12.14097	11.84546
ANAPC2	ANAPC2	6.983872	7.14004	6.833408	7.131874	7.012638	7.110972	6.981298	7.06465	6.917378	7.013926	6.870279	6.89051
ANAPC4	ANAPC4	10.43173	10.77459	10.13769	10.72205	10.27445	10.35678	9.771717	9.713433	9.668666	9.490509	9.059842	9.262392
ANAPC5	ANAPC5	11.21017	11.52069	11.02217	11.44278	11.19034	11.30441	11.0203	11.09254	11.07543	11.03181	10.92624	11.03322
ANAPC7	ANAPC7	8.397292	8.481222	8.001956	8.124151	8.076907	8.666597	8.183025	8.476498	8.212291	8.403656	8.05194	8.063828
ANG	ANG	8.42292	7.972794	8.304156	8.236903	8.293435	7.952986	7.687257	7.676749	8.086235	7.779604	8.196129	7.84893
ANGEL1	ANGEL1	8.217566	7.984734	7.572834	7.993928	8.124862	8.46771	8.274095	8.391892	8.149358	8.180567	7.839947	7.836309
ANGEL2	ANGEL2	10.40774	11.1913	10.68053	10.77128	10.63303	10.41543	9.976322	9.846552	9.903468	9.501596	9.118244	9.31946
ANGPT1	ANGPT1	7.460367	7.336625	7.088202	9.257835	8.895449	8.241665	8.167425	7.942019	7.950379	7.684937	7.858683	7.936594
ANGPT2	ANGPT2	6.870019	7.048422	8.314849	9.170101	8.262933	7.270953	7.094089	7.039943	7.115258	7.012265	6.883127	6.879182

ANGPT4	ANGPT4	7.015393	6.959196	6.817457	6.988281	6.799751	6.964927	6.781682	6.863883	6.750333	6.950605	6.839829	6.813884
ANGPTL1	ANGPTL1	6.810633	7.011295	6.762615	6.955672	6.898069	6.818782	6.802728	6.85997	6.784144	6.943939	6.75405	6.773657
ANGPTL2	ANGPTL2	8.544598	8.591263	8.710706	10.57892	11.28233	10.07564	9.729337	9.711343	9.626065	8.855982	9.037258	9.722559
ANGPTL3	ANGPTL3	6.812832	7.026774	6.807583	6.923335	6.998435	6.96486	6.930513	6.934489	6.882857	6.922592	6.886073	6.745706
ANGPTL4	ANGPTL4	7.072438	7.309898	7.033186	7.414647	7.358285	7.435918	7.183512	7.156979	7.292441	7.285944	8.09384	7.814645
ANGPTL5	ANGPTL5	6.900486	7.134319	6.802749	7.032031	6.999234	6.939213	6.889262	6.858196	7.052841	6.94063	6.771053	6.747884
ANGPTL6	ANGPTL6	6.806849	7.078078	6.700346	7.791397	7.680613	6.978971	6.912152	7.024606	7.023193	7.030551	6.745429	6.785091
ANGPTL7	ANGPTL7	6.90324	7.17426	6.865143	7.135609	7.055056	7.108751	7.030209	7.0794	7.027084	7.094177	6.859958	6.905547
ANK1	ANK1	6.904819	7.081858	6.827555	7.074169	6.949328	7.028674	6.932603	7.003106	6.98088	6.922274	6.898245	6.795043
ANK2	ANK2	7.220639	7.783445	7.418721	7.217475	7.358173	8.339065	8.143851	8.024427	8.069469	8.049759	7.502156	8.100462
ANK3	ANK3	7.56492	7.997046	7.482089	8.020318	8.220157	8.198498	8.269502	8.111515	8.38432	8.183416	7.972468	8.246187
ANKAR	ANKAR	6.840572	7.216709	6.949453	7.206509	7.056069	7.13331	7.172895	7.104038	7.034017	7.035365	6.784068	6.995119
ANKDD1A	ANKDD1A	8.397435	7.95173	7.670146	7.990615	8.392483	8.260142	7.891178	7.753293	7.867674	7.603172	7.556335	7.500402
ANKFN1	ANKFN1	6.743314	6.997341	6.802619	7.01234	6.922014	6.936842	6.827326	6.834596	6.967655	6.909866	6.770945	6.764295
ANKFY1	ANKFY1	8.47375	8.974301	8.343796	8.747347	8.634073	8.450862	8.210999	8.240193	8.279474	8.158052	7.924875	8.163628
ANKH	ANKH	6.892787	7.177299	6.842269	6.976637	6.9666	7.200756	7.009727	7.024626	6.975188	7.030228	6.849149	6.986519
ANKHD1	ANKHD1	7.718752	7.97201	7.625561	7.752482	7.651537	7.937664	7.619892	7.702019	7.596124	7.593488	7.30388	7.412226
ANKK1	ANKK1	6.835239	6.963335	6.8407	6.93797	6.86511	6.859765	6.803194	6.958663	6.846895	6.857261	6.771126	6.807371
ANKMY1	ANKMY1	7.137226	7.302447	7.268705	7.575155	7.615456	7.405726	7.254075	7.291422	7.332849	7.15741	7.05172	7.117504
ANKMY2	ANKMY2	8.728904	8.559392	9.859125	9.974576	9.757871	10.88962	10.19922	10.49538	10.21749	10.25849	9.987821	9.81626
ANKRA2	ANKRA2	8.507454	8.678068	8.64413	9.079397	9.622208	10.30051	9.977335	10.00968	10.12191	9.785971	9.725328	9.697344
ANKRD1	ANKRD1	6.830148	7.884769	10.15971	11.31355	11.60744	11.7046	12.20447	11.45272	12.32415	12.4781	10.87481	12.94862
ANKRD10	ANKRD10	9.625849	9.913323	9.156493	9.87752	9.933529	9.996364	9.695945	9.349867	9.441687	9.242849	9.026085	9.381074
ANKRD11	ANKRD11	9.897213	10.00834	9.220001	9.742463	9.667749	9.561601	9.217369	9.193683	9.439804	9.104145	9.156721	9.409208
ANKRD12	ANKRD12	8.541187	9.013349	8.950465	9.228331	9.301294	9.545936	9.130912	9.247992	9.384276	8.901027	8.650904	9.395048
ANKRD13	ANKRD13	8.638389	9.164889	9.657652	9.607645	9.519425	10.53294	9.747992	9.901963	9.874443	9.854059	10.51265	9.873586
ANKRD13E	ANKRD13E	7.127039	7.396227	6.914044	7.115089	7.074014	7.105895	7.084932	7.049969	7.015871	6.959213	6.884628	6.882838
ANKRD13C	ANKRD13C	7.768704	8.007899	7.816288	8.182461	8.090919	8.618585	8.061734	8.152145	8.059807	8.162496	8.248729	8.249466
ANKRD13D	ANKRD13D	7.02784	7.214019	6.93822	7.244536	7.162306	7.164518	7.041685	7.115684	7.128424	7.074352	6.873368	6.96341
ANKRD15	ANKRD15	8.167367	7.864131	7.676096	8.196391	8.035822	8.144741	7.838842	8.159172	7.875225	8.037755	8.18206	7.847441
ANKRD16	ANKRD16	7.660164	7.79383	7.459034	7.648893	7.590869	7.695019	7.317277	7.331547	7.379689	7.362401	7.098058	7.165732
ANKRD17	ANKRD17	9.066912	9.383373	9.021876	9.353792	8.926894	8.666501	8.339163	8.424616	8.415945	8.195515	8.199323	8.300213
ANKRD19	ANKRD19	7.270486	7.285998	7.22835	7.142346	6.986886	7.061515	6.829011	6.886933	6.789452	6.981194	6.745407	6.893457
ANKRD2	ANKRD2	6.80864	6.933828	6.773415	7.015468	6.82416	6.889482	6.877765	6.941086	6.774505	6.736136	6.759958	6.882994
ANKRD20A	ANKRD20A	8.434226	8.598798	8.689768	9.620049	9.361015	8.791838	8.102209	7.994343	8.669642	7.779447	7.416511	7.301902
ANKRD20A	ANKRD20A	7.005427	7.174241	7.111183	7.468006	7.395364	7.526438	7.084245	7.208282	7.32783	7.075996	6.970332	6.989134

ANKRD20A	ANKRD20A	6.946509	7.190547	7.027959	7.264808	7.228639	7.368935	7.08875	7.133623	7.204236	7.052304	6.870554	6.930892
ANKRD20B	ANKRD20B	6.822035	6.960199	6.710135	6.998302	6.842723	6.815559	6.827997	6.85631	6.822622	6.886375	6.720709	6.791452
ANKRD21	ANKRD21	6.796704	7.146901	6.909715	6.98443	6.885715	6.932123	6.864718	6.789779	6.872199	6.888287	6.722975	6.705667
ANKRD22	ANKRD22	7.064073	7.124559	6.784932	7.049222	6.979442	6.95919	6.843917	6.884026	6.923063	6.924926	6.838649	6.877176
ANKRD23	ANKRD23	7.017101	7.18785	6.889273	7.082283	7.00035	7.098812	6.921494	7.011766	6.993464	6.994076	6.928847	6.95069
ANKRD24	ANKRD24	8.817632	8.817178	7.418296	7.349093	7.226116	7.468874	7.143699	7.13013	7.059848	7.041488	6.826116	6.929425
ANKRD25	ANKRD25	7.915593	8.220387	8.539278	8.10791	7.815773	8.721414	8.493655	8.744833	8.680952	9.035665	8.870208	8.80474
ANKRD26	ANKRD26	7.492829	7.671047	7.527432	7.92132	7.842914	8.363127	8.077034	8.176122	8.080029	8.219034	7.773248	7.887155
ANKRD27	ANKRD27	7.777846	7.987891	7.37478	7.556311	7.414985	7.240876	7.085745	7.215673	7.187432	7.269938	7.298545	7.382271
ANKRD28	ANKRD28	8.239001	8.021565	7.228977	7.527773	7.610591	7.850367	7.46304	7.585593	7.501465	7.444876	7.518311	7.511386
ANKRD29	ANKRD29	7.062957	7.104784	6.80505	6.998606	6.986978	7.45387	7.085819	7.165414	7.073385	7.093387	6.984984	6.885551
ANKRD30A	ANKRD30A	6.85297	6.995485	6.756268	6.958958	6.868286	6.920264	6.826955	6.885041	6.852337	6.881352	6.712372	6.747264
ANKRD30B	ANKRD30B	10.64387	11.57552	11.06468	11.4001	11.31965	11.19751	11.27073	10.56348	11.06103	10.56047	9.980768	10.64208
ANKRD31	ANKRD31	6.74066	7.101142	6.767948	7.021021	6.871432	6.880545	6.911947	6.915248	6.831405	6.900583	6.831451	6.852796
ANKRD32	ANKRD32	7.652539	8.0211	7.846843	7.74598	7.413107	7.815978	7.526277	7.529501	7.563473	7.5132	7.201962	7.323083
ANKRD33	ANKRD33	8.552293	8.95294	8.202528	8.565129	8.319957	8.48135	8.485688	8.166988	8.425141	8.409129	8.176855	9.306035
ANKRD34	ANKRD34	7.006653	7.27026	6.95313	7.147589	7.222914	7.472076	7.404273	7.46759	7.332652	7.503705	7.445677	7.238714
ANKRD35	ANKRD35	7.721975	7.969677	7.15152	7.093784	6.957034	6.990523	6.919832	6.924875	7.001922	6.887415	6.8691	6.772806
ANKRD36	ANKRD36	6.977893	7.239835	6.897353	7.224444	7.229515	7.40736	7.233771	7.159684	7.17176	7.058222	6.815233	6.839842
ANKRD37	ANKRD37	8.041081	7.802181	7.334202	8.109038	8.072288	7.613295	7.574989	7.815506	8.043832	8.268684	8.841573	8.901341
ANKRD38	ANKRD38	7.161565	7.372181	7.721749	8.354225	9.448897	7.859599	7.744301	8.255763	9.074688	7.972446	7.960582	8.200901
ANKRD39	ANKRD39	8.176542	8.332714	7.732888	7.991625	8.066034	8.368039	8.246906	8.322353	8.191595	8.461751	8.411688	7.9802
ANKRD40	ANKRD40	7.318382	7.627564	7.259573	7.493918	7.302813	7.538756	7.599488	7.443561	7.437988	7.65865	7.26444	7.577989
ANKRD41	ANKRD41	7.785103	7.691252	7.193266	7.442141	7.292599	7.359684	7.181552	7.095671	7.216176	7.224721	6.947874	7.0241
ANKRD42	ANKRD42	6.927551	7.107424	6.840554	7.040507	6.898489	7.016537	6.789346	6.924309	6.95505	6.929604	6.886721	6.902336
ANKRD43	ANKRD43	6.93846	7.061804	6.868999	7.134757	7.09333	7.107379	6.913741	6.926238	6.917549	6.978119	6.811509	6.857064
ANKRD44	ANKRD44	7.079634	7.378621	7.088467	7.220532	7.373472	7.389587	7.306093	7.131993	7.182666	7.050945	6.89611	7.250431
ANKRD45	ANKRD45	6.918688	7.099961	6.92007	7.086457	7.064689	6.896039	6.975596	7.039542	7.030156	7.034101	6.761147	6.994153
ANKRD46	ANKRD46	9.170548	9.656783	9.351493	10.12262	10.02706	10.84008	10.14169	10.40133	10.33403	10.10009	9.654839	9.581382
ANKRD47	ANKRD47	7.197872	7.214778	6.978338	7.21739	7.176581	7.156741	7.076563	7.146421	7.052879	7.088314	6.987209	7.025261
ANKRD49	ANKRD49	8.535727	8.877144	8.999953	9.046589	8.918583	9.047762	8.52094	8.713996	8.76439	8.726964	8.632658	8.299115
ANKRD5	ANKRD5	6.768943	6.962606	6.756589	7.006266	6.86516	6.830041	6.789915	6.860454	6.776712	6.874213	6.755071	6.720014
ANKRD50	ANKRD50	9.153437	9.108101	9.075039	9.502237	9.209436	9.226349	9.280051	9.581417	9.289653	9.180785	9.254427	8.66607
ANKRD55	ANKRD55	6.917536	7.044068	6.923711	7.104068	6.901125	6.82662	6.87408	6.949601	6.843252	6.941999	6.773761	6.790962
ANKRD56	ANKRD56	6.773671	7.034978	6.807202	6.987932	6.850766	6.859205	6.800426	6.821944	6.83625	6.737036	6.718629	6.723199
ANKRD6	ANKRD6	8.132149	8.054054	8.445981	8.844916	8.869211	9.612633	9.164763	9.030479	8.870508	8.961628	8.25725	8.283617

ANKRD7	ANKRD7	6.940626	7.055222	6.801635	7.082677	6.970909	7.103934	6.915447	7.041155	6.927249	6.941311	6.785065	6.856673
ANKRD9	ANKRD9	9.493134	9.026628	8.537253	8.626572	8.858854	9.921199	9.635707	9.933052	9.767151	10.16964	10.00515	10.42056
ANKS1A	ANKS1A	10.06491	10.1416	9.595755	10.80277	10.27038	9.067449	8.951806	9.021282	9.294221	8.764936	8.624534	8.516906
ANKS1B	ANKS1B	7.139552	7.102465	6.964734	7.039973	7.671771	6.969634	6.889255	6.928451	7.06837	6.902007	6.873799	6.781032
ANKS3	ANKS3	7.399497	7.646025	7.196819	7.718839	7.561657	7.622319	7.334107	7.330788	7.274225	7.293297	7.194495	7.350451
ANKS4B	ANKS4B	6.855815	7.208207	6.867012	7.119063	7.071208	7.160005	7.071428	6.891653	6.990344	7.207908	6.871034	6.905345
ANKS6	ANKS6	7.068445	7.085893	6.857952	7.053175	7.019303	7.071094	6.952627	7.006263	7.052306	6.927964	6.888453	6.854194
ANKZF1	ANKZF1	7.526673	7.640261	7.301903	7.642857	7.633184	7.560657	7.471094	7.560349	7.46636	7.515835	7.270692	7.448023
ANLN	ANLN	9.01569	9.648978	9.63697	9.812945	9.35197	10.14384	9.671125	9.834098	9.75369	9.803271	9.227693	8.222549
ANP32A	ANP32A	8.179395	8.87117	8.525872	8.413285	8.227886	8.459254	8.64969	8.062049	8.544392	8.196256	7.866054	8.364945
ANP32B	ANP32B	12.60219	13.05142	13.45542	13.43885	13.60296	13.23673	12.85587	12.87282	13.03047	12.71347	12.51703	12.15142
ANP32C	ANP32C	7.942358	8.527793	8.22404	8.132418	7.930888	8.383342	8.181244	7.839461	8.159161	7.9305	7.517475	8.10534
ANP32D	ANP32D	6.925958	7.124563	6.855105	6.996497	6.837424	6.896538	6.871721	6.803469	6.854228	6.872739	6.679079	6.787511
ANP32E	ANP32E	7.062691	7.090791	6.842829	7.088273	6.873711	7.012675	6.83621	6.918728	7.043194	6.983807	6.831708	6.950245
ANPEP	ANPEP	6.934472	7.043714	7.289641	7.032011	6.907291	6.925549	6.819746	6.889109	6.856916	6.949496	6.784757	6.809206
ANTXR1	ANTXR1	9.342317	9.213516	9.228003	9.770266	9.60153	9.774852	9.993466	9.901224	10.059	10.06839	10.09041	10.23747
ANTXR2	ANTXR2	7.653067	8.122484	9.101515	10.2711	9.611059	10.61702	10.08942	10.21522	10.0552	10.28294	10.98028	10.76609
ANTXRL	ANTXRL	6.841244	7.030704	6.796468	6.914744	6.891779	6.757748	6.935921	6.795304	7.039742	6.785001	6.6794	6.7296
ANUBL1	ANUBL1	6.966631	7.184297	6.926495	7.127191	6.976314	7.182879	7.007614	7.082828	7.008256	6.997491	6.803874	7.011636
ANXA1	ANXA1	7.496375	11.62283	10.48403	11.80853	11.49966	11.36101	10.60406	11.23706	11.22975	10.96366	12.70722	11.4629
ANXA10	ANXA10	6.821536	6.947116	6.730855	6.943629	6.952648	6.9925	6.954341	6.967269	7.16924	7.516908	8.752668	7.542115
ANXA11	ANXA11	7.685022	7.964817	7.582139	7.959281	8.270873	8.1012	8.029796	8.170122	8.297777	8.525271	8.152303	8.384785
ANXA13	ANXA13	6.889598	7.048348	6.775301	6.984795	6.934687	6.987326	6.811039	6.92692	6.890276	6.964191	6.716718	6.858412
ANXA2	ANXA2	10.79956	11.71587	11.22795	12.12662	12.13009	12.05837	11.55409	11.80963	11.79692	11.61509	12.83297	11.72876
ANXA2P1	ANXA2P1	9.432999	10.64434	10.05374	10.71338	10.80908	10.52623	10.66948	10.02995	10.87667	10.40333	11.40016	10.8608
ANXA2P3	ANXA2P3	7.02882	7.57788	7.272884	7.67193	7.42012	7.352437	7.367196	7.361951	7.410026	7.26643	7.716009	7.403731
ANXA3	ANXA3	7.501477	8.928462	8.167288	8.674372	8.384692	9.427548	9.117963	8.725962	8.808428	8.918225	7.967317	7.783813
ANXA4	ANXA4	7.163949	7.334988	6.956007	7.353736	7.316553	7.154478	7.086624	7.077987	7.164317	7.138205	7.008412	7.131593
ANXA5	ANXA5	11.81629	13.01481	12.4159	12.42325	12.02443	12.46424	11.94407	12.26517	12.14184	12.16244	12.95958	12.50936
ANXA6	ANXA6	7.453334	7.492233	7.843691	8.813859	8.818826	9.937209	9.460766	9.426372	9.218287	9.235763	8.751934	8.437985
ANXA7	ANXA7	9.589481	10.10824	9.610189	9.339517	9.386041	10.57374	10.11877	10.41579	10.13904	10.26596	10.41441	9.927695
ANXA8	ANXA8	7.021437	7.082647	6.963719	8.71567	10.81084	7.12484	7.070722	7.316184	7.588377	7.195025	7.432312	6.988611
ANXA8L1	ANXA8L1	6.832192	7.06269	6.853922	7.904938	9.532086	6.985625	6.848918	6.913868	7.188755	7.012562	6.939264	6.993858
ANXA9	ANXA9	6.94854	7.296032	6.822975	7.093845	6.988824	6.950707	6.870942	6.971393	6.869244	6.904957	6.809337	6.943125
AOAH	AOAH	6.914907	7.101464	6.861624	6.913881	6.952947	7.100997	6.960041	6.866168	6.833231	6.846819	6.769724	6.808851
AOC2	AOC2	6.947402	7.081724	6.839593	7.07584	6.993229	7.07625	6.854733	6.985632	6.971827	6.984817	6.834801	6.852207

AOC3	AOC3	6.97601	7.08832	6.786102	7.159798	6.980891	7.095973	6.897972	7.016114	7.003772	6.954508	6.846614	6.865806
AOF1	AOF1	6.822963	7.097343	6.878844	7.075024	6.983292	6.837063	6.98187	7.046838	7.052554	6.958714	6.963473	7.005219
AOF2	AOF2	11.98567	12.14838	11.63138	11.80901	11.38816	10.83795	10.41426	10.39582	10.53419	10.34531	10.02422	10.12367
AOX1	AOX1	7.627228	7.512054	7.258824	7.190775	6.938483	6.994682	6.753731	6.897694	6.889035	6.908483	6.962094	6.956946
AOX2	AOX2	6.900901	7.334897	6.995769	7.212329	7.009673	7.196428	6.947339	7.043016	6.994333	7.208079	6.812434	6.998952
AP1B1	AP1B1	8.358562	8.761375	7.888665	8.28487	8.273315	8.679388	8.618268	8.469333	8.482425	8.63442	8.383362	8.356763
AP1G1	AP1G1	8.548786	8.699845	8.45726	8.827631	8.513699	8.677246	8.14471	8.277966	8.322707	8.217275	8.307182	8.269733
AP1G2	AP1G2	7.832656	8.213826	7.786258	8.006318	8.227013	7.93982	7.688051	7.667996	7.680622	7.615953	7.422693	7.269108
AP1GBP1	AP1GBP1	7.178094	7.423832	7.140504	7.374047	7.301223	7.168236	7.002768	7.081741	7.107963	7.053832	7.004662	7.043319
AP1M1	AP1M1	9.651168	9.828292	9.442437	10.53612	10.58858	11.04996	10.87984	10.79167	11.0035	10.89614	10.50347	10.83116
AP1M2	AP1M2	7.47466	7.657642	7.073289	7.173583	7.195181	7.235727	7.018792	7.050012	6.947004	7.115082	6.870556	6.906091
AP1S1	AP1S1	9.118231	9.943049	8.842585	9.124934	9.020992	9.276784	8.658682	8.656197	8.928938	8.695827	9.290883	8.915828
AP1S2	AP1S2	11.53857	12.50424	10.94801	12.13836	11.82389	12.35918	12.16741	12.29995	12.31465	12.4863	12.33716	12.00649
AP1S3	AP1S3	7.001038	6.896344	6.677649	6.908105	6.976609	6.713992	6.860921	6.807657	6.842687	6.839665	6.638086	6.676511
AP2A1	AP2A1	7.312816	7.509391	7.119679	7.461541	7.284077	7.419068	7.364732	7.393924	7.35198	7.440274	7.448312	7.200586
AP2A2	AP2A2	7.714923	8.242932	7.395389	8.049516	7.904788	8.155468	7.781848	8.083859	7.87906	7.789737	8.020797	7.848191
AP2B1	AP2B1	8.281301	8.628473	8.199717	8.618838	8.187432	8.302639	8.04371	8.088939	8.03782	8.082839	7.914172	8.058339
AP2M1	AP2M1	10.37451	11.11523	10.48766	10.46845	10.40228	11.13807	10.49933	10.87679	10.62338	10.82216	11.34763	10.9144
AP2S1	AP2S1	12.8919	13.25272	12.63896	12.77439	12.76129	12.75023	12.77141	12.91616	13.04184	13.0258	13.15854	12.69125
AP3B1	AP3B1	10.94432	11.08757	11.09506	11.35702	11.05212	11.1344	10.64484	10.98595	10.61351	10.57245	10.96744	10.66764
AP3B2	AP3B2	7.452882	7.362592	7.07014	6.981426	6.967621	7.288104	6.912274	6.80593	7.213771	6.923692	6.653327	6.773166
AP3D1	AP3D1	9.176105	9.347737	8.636358	9.013864	8.904175	9.030894	8.547985	8.735974	8.758732	8.705742	8.932442	8.924929
AP3M1	AP3M1	8.984335	9.225241	9.130438	9.675812	9.361897	9.314401	8.84868	9.016262	8.781645	8.886043	9.026787	8.818384
AP3M2	AP3M2	9.454396	9.800404	9.584222	9.907413	9.833472	10.11695	9.595842	9.600256	9.850586	9.364211	9.045835	9.418344
AP3S1	AP3S1	10.18117	10.51292	10.04579	10.10175	10.09564	10.13957	9.566839	9.705536	9.915273	9.44442	10.12999	9.523506
AP3S2	AP3S2	8.162161	8.329055	7.886164	8.088035	8.180712	8.826683	8.652992	8.651929	8.527472	8.541976	8.412148	8.741634
AP4B1	AP4B1	8.98582	9.387547	8.897405	9.310974	9.311922	9.41992	9.296113	9.193662	9.303955	9.176131	8.975481	9.115665
AP4E1	AP4E1	8.539839	8.759386	8.571073	9.331083	9.04457	9.882398	9.122234	9.189698	9.068152	9.092732	9.187008	8.981679
AP4M1	AP4M1	7.327706	7.408935	7.250765	7.607789	7.482559	7.513947	7.384178	7.359846	7.358291	7.351271	7.27691	7.269229
AP4S1	AP4S1	7.365504	7.564158	7.098109	7.437813	7.336532	7.568538	7.420426	7.300612	7.412062	7.477701	7.139497	7.234409
APAF1	APAF1	8.884733	9.076465	8.865498	9.356411	9.403058	8.518809	8.266991	8.104026	8.20027	7.798048	7.871874	7.792729
APBA1	APBA1	6.830452	6.985285	6.787943	7.023044	6.952509	6.997578	6.811537	6.948416	6.850223	7.007538	6.844837	6.855504
APBA2	APBA2	7.037583	7.194789	6.92676	7.341577	7.2383	7.123205	7.028411	7.12967	7.264525	7.027711	6.934242	6.928587
APBA2BP	APBA2BP	7.169266	7.280034	7.099927	7.395923	7.373966	7.820777	7.683927	7.784564	7.660429	7.845615	7.751752	7.565878
APBA3	APBA3	8.553414	8.935629	8.118374	8.473864	8.331628	8.251468	8.060867	8.339005	8.20568	8.321127	8.463985	8.536965
APBB1	APBB1	6.89109	7.119897	6.872514	7.109654	7.022377	7.273445	7.155339	7.135885	7.073157	7.130389	7.012164	6.993489

APBB1IP	APBB1IP	7.046849	7.235881	7.038467	7.181036	7.297979	7.396851	7.187412	7.275917	7.143465	7.274997	6.836162	7.197919
APBB2	APBB2	7.36	7.550405	7.172177	7.466758	7.239713	7.757793	7.861006	7.825681	7.852466	8.167832	7.822366	7.927388
APBB3	APBB3	8.499471	8.773653	8.731509	9.324174	9.607379	9.279461	9.183883	9.334865	9.400315	9.056502	8.828343	8.464639
APC	APC	6.932512	6.8779	6.833259	6.888888	6.834169	7.057577	6.846951	6.951607	6.871241	7.016257	6.865396	6.849154
APC2	APC2	6.836808	7.115805	6.829434	7.056288	6.970565	7.024029	6.953587	6.961571	7.496197	7.05711	6.785913	6.902119
APCDD1	APCDD1	7.217525	7.354553	8.430874	8.28595	8.170321	8.761435	8.623671	8.763941	8.833854	8.071758	7.774388	7.226623
APCS	APCS	7.050753	7.321834	7.017416	7.187787	7.173839	7.202578	7.059235	7.210132	7.035267	7.013296	7.033157	7.131682
APEG1	APEG1	7.817628	7.837183	7.279556	8.532175	9.275501	10.535	10.22289	9.704231	10.09784	9.853511	8.71493	9.201283
APEH	APEH	10.95032	11.21028	10.20114	10.23751	10.07093	11.05888	10.40606	10.43117	10.28459	10.49715	10.37239	10.40936
APEX1	APEX1	12.1552	12.48324	12.0279	11.84896	11.84787	11.91447	11.11823	11.23359	11.10622	10.8271	11.0532	10.4698
APEX2	APEX2	9.029725	9.286006	9.020095	8.879406	8.570463	8.342145	8.188463	8.533662	8.161237	8.336338	8.735276	8.106786
APH1A	APH1A	9.193312	9.54726	9.045306	9.400234	9.334287	9.463954	9.032733	9.079781	9.148263	9.142566	9.056829	8.96253
APH1B	APH1B	8.060493	8.193141	7.570837	7.385641	7.590347	7.384577	7.442833	7.30534	7.435801	7.474915	7.651187	7.394849
API5	API5	10.93602	11.18315	11.00625	10.93704	10.14651	10.65709	9.888877	9.927887	9.837661	9.833069	9.830153	9.685288
APIN	APIN	6.800532	7.116955	6.945383	8.709629	7.864766	8.643351	8.748538	8.464266	8.105365	7.746422	7.34708	7.50258
APIP	APIP	9.329461	9.731343	9.265372	8.914996	9.024121	9.506061	9.18657	9.344183	9.274068	9.244152	9.252107	8.762266
APITD1	APITD1	8.521201	8.945442	8.695442	8.625316	8.544442	8.669794	8.235075	8.445439	8.329126	8.311768	8.110173	7.93
APLN	APLN	7.075201	7.168837	6.803613	7.048069	7.018281	6.929961	6.849532	7.047305	6.925687	7.06727	6.89564	7.229822
APLP1	APLP1	7.050878	7.129449	6.974573	7.460624	7.860112	7.745548	7.549769	7.641385	7.745251	7.376397	7.280377	7.396935
APLP2	APLP2	9.006957	8.911708	8.973039	9.534382	9.223044	9.251834	9.039649	9.338087	8.98804	9.196552	8.948909	8.746647
APM-1	APM-1	6.906391	7.047115	6.878886	7.260776	7.240968	7.658212	7.407595	7.412593	7.979343	7.496127	7.29909	7.343783
APOA1	APOA1	6.934578	7.498368	8.268654	10.97257	9.532862	9.430115	9.076774	8.687963	8.943826	8.697278	7.92754	7.996941
APOA1BP	APOA1BP	10.36271	10.43687	9.699714	10.30501	10.60824	11.38921	10.79805	10.85179	10.64202	10.99332	10.92587	10.68644
APOA2	APOA2	6.908855	7.223467	7.76459	9.701337	9.873938	7.070963	6.99977	7.061315	7.115465	7.025214	6.793863	7.326799
APOA4	APOA4	6.869169	7.024484	6.733398	7.103272	6.880951	6.86898	6.893166	6.910225	6.916681	6.918506	6.685131	6.888889
APOA5	APOA5	6.828341	7.034366	6.64885	7.012194	6.861914	6.874567	6.896295	6.881888	6.881135	6.955093	6.824839	6.756183
APOB	APOB	7.009208	7.317672	7.254689	8.886928	8.412375	7.052467	6.862007	6.972558	6.965099	7.079774	6.765994	6.999966
APOB48R	APOB48R	6.853513	7.048237	6.753047	7.098586	6.985325	6.968331	6.899875	6.963309	6.819806	6.763613	6.787812	6.838103
APOBEC1	APOBEC1	6.846615	7.085924	6.83328	6.952672	7.003367	6.993213	6.855763	6.909554	6.887716	6.917772	6.762961	6.844376
APOBEC2	APOBEC2	6.855571	7.061856	6.903845	8.891418	10.38853	13.0464	12.90374	12.87312	13.02922	13.15939	12.80931	12.64215
APOBEC3	APOBEC3	6.715089	6.91853	6.850195	6.938825	6.897033	6.918614	6.874725	6.925796	6.853072	6.812316	6.777438	6.808025
APOBEC3	APOBEC3	8.608634	9.400892	7.680876	7.35731	7.276776	7.310973	7.171246	7.493057	7.226802	7.382213	7.54209	7.273253
APOBEC3	APOBEC3	7.290677	7.570547	7.203227	7.561541	7.729678	8.294585	7.737636	7.626067	7.64224	7.598042	7.431581	7.534477
APOBEC3	APOBEC3	6.880992	7.05149	6.868753	7.053093	6.860308	6.913691	6.818316	6.85212	6.907723	6.820394	6.749927	6.858745
APOBEC3	APOBEC3	7.184394	7.669388	7.591387	7.807426	8.133461	8.764675	8.500537	8.36507	8.474006	8.461446	8.150716	7.808733
APOBEC3	APOBEC3	7.024405	7.269326	8.349484	7.894806	7.595142	7.540534	7.329064	7.461996	7.372439	7.273351	7.013637	7.087816

APOBEC4	APOBEC4	6.814442	6.8747	6.773508	6.890858	6.805979	6.880071	6.865175	6.859369	6.842973	6.767006	6.658409	6.734839
APOC1	APOC1	9.193975	10.31817	10.50565	9.576834	8.326183	7.304213	7.15011	7.189746	7.303707	6.976002	6.989632	6.827332
APOC2	APOC2	6.960459	7.25752	6.88167	7.158769	6.92575	7.193221	7.021083	6.927695	6.974545	7.104218	6.685764	6.878925
APOC3	APOC3	6.832169	6.954074	6.762432	6.928531	7.04354	6.908165	6.797124	6.830809	6.837519	6.899613	6.62916	6.839803
APOC4	APOC4	6.942926	7.131112	6.841399	6.987113	7.003647	7.018018	6.889033	7.048893	6.857012	6.953355	6.831076	6.788857
APOD	APOD	6.797052	7.08912	6.750548	7.032768	6.989329	6.895518	6.899613	6.893126	6.951164	7.042319	7.145545	6.820083
APOE	APOE	12.23953	12.86096	12.69617	12.86717	12.79613	12.02336	10.49465	10.66414	10.37538	9.474974	9.447208	8.960628
APOF	APOF	6.911759	7.217395	6.824653	7.018431	6.959633	6.894568	6.809686	6.970505	6.858531	6.824896	6.782718	6.891592
APOH	APOH	6.823483	6.95867	6.76934	6.893327	6.852921	6.932612	6.757781	6.794937	6.952877	6.929055	6.751982	6.854015
APOL1	APOL1	6.867248	7.153262	6.890063	7.174799	6.966151	7.183467	6.942576	7.053147	6.966409	6.986399	6.849144	6.962636
APOL2	APOL2	7.123436	7.340858	7.086749	7.190461	7.06506	7.230906	7.144124	7.194015	7.160861	7.25117	7.114339	7.148746
APOL3	APOL3	6.855002	7.072802	6.829109	7.014998	6.879077	6.986737	6.803151	6.871409	6.868706	6.923248	6.865965	6.873318
APOL4	APOL4	6.883938	7.035089	6.794783	7.089309	6.980922	6.948828	6.938191	7.013797	6.941149	6.930386	6.849968	6.902756
APOL5	APOL5	6.96413	7.022659	6.863213	7.043889	6.967338	7.145402	6.916244	6.950191	6.962193	6.93661	6.791101	6.876908
APOL6	APOL6	6.929557	7.016721	6.740357	6.987373	6.994197	6.955539	6.802324	6.966098	6.846001	7.006133	6.801143	6.934249
APOLD1	APOLD1	6.847679	7.019972	6.713785	7.182247	7.476527	7.742349	7.535115	7.52387	7.386538	7.447188	6.990831	6.929438
APOM	APOM	7.660787	8.012824	7.459445	7.897194	8.197578	8.069235	7.667573	7.783649	7.718124	7.94857	7.391953	7.461434
APP	APP	9.93359	10.41596	9.960651	9.815087	10.1555	10.12527	9.635794	9.756217	9.83593	9.460617	9.882908	10.43224
APPBP1	APPBP1	11.18535	11.42657	11.10582	10.84843	10.40493	10.36589	9.956392	9.869168	10.12622	9.938168	9.860895	9.766577
APPBP2	APPBP2	8.091376	8.280047	8.083614	9.185185	9.849823	10.41541	9.896216	9.746931	9.774641	9.662256	9.309821	9.70977
APPL	APPL	7.946867	8.450812	7.843877	8.003605	8.113251	8.107638	7.974084	7.861336	8.117739	7.886781	7.613984	8.050057
APRIN	APRIN	8.488564	8.884479	8.651142	8.802199	8.499161	8.530343	8.053817	8.082987	8.215186	8.004188	7.677043	7.976067
APRT	APRT	10.90782	11.29291	10.4171	9.855304	9.537004	9.675307	9.094133	9.143918	9.18238	9.149903	9.546569	8.757019
APS	APS	7.150016	7.351262	6.885217	7.064488	6.917733	6.992777	6.916369	6.961184	6.920552	6.970151	6.753762	6.837098
APTX	APTX	9.346237	9.792529	9.078036	9.21856	9.084709	9.900989	9.349868	9.293138	9.271834	9.157274	8.812018	8.776
APXL	APXL	8.335322	8.456571	8.060787	8.471986	8.423097	9.226728	8.725452	8.628551	8.255006	8.081055	7.974254	7.903907
APXL2	APXL2	7.011705	7.047505	6.743445	7.026341	6.959189	7.032778	6.921265	7.040814	6.86239	6.878918	6.86347	6.898185
AQP1	AQP1	6.957615	7.174056	6.898243	7.336058	8.135715	7.973292	8.061916	8.253895	8.044665	8.245059	8.096959	8.096954
AQP10	AQP10	6.847831	7.013581	6.73067	7.588137	8.341896	9.399403	9.193876	9.018986	8.457185	8.639297	7.763834	7.449308
AQP11	AQP11	7.751492	7.806432	7.767533	7.71632	7.775863	8.236962	7.912267	7.950226	8.059169	7.587305	7.601513	7.635559
AQP12A	AQP12A	7.074849	7.147501	6.878698	7.194722	7.025365	7.11301	6.963005	7.065294	7.030689	7.049699	6.842896	6.952868
AQP2	AQP2	7.0693	7.308204	6.993472	7.082497	7.000446	6.996946	6.869014	6.911307	6.981358	6.959181	6.785213	6.939325
AQP3	AQP3	6.817611	7.221303	6.83221	6.948958	6.974157	7.042191	6.910063	6.875331	6.810914	6.953473	6.740817	6.87948
AQP4	AQP4	6.921465	7.123051	6.782574	7.046379	6.978104	6.878031	6.880426	6.901259	6.784568	6.788028	6.750442	6.911407
AQP5	AQP5	6.934512	6.986058	6.696941	7.0529	6.979044	6.893888	6.846162	6.81947	6.882586	6.833297	6.837024	6.818022
AQP6	AQP6	7.258995	7.52225	7.238239	7.410935	7.344638	7.49879	7.428761	7.487247	7.432856	7.539517	7.242441	7.310306

AQP7	AQP7	6.776928	7.108476	6.821453	7.061476	6.983871	7.158401	6.874836	6.962982	6.949636	6.972745	6.841291	6.955722
AQP7P1	AQP7P1	6.818823	7.060494	6.861935	7.028892	6.951084	7.088102	6.9072	6.948277	6.854822	6.986329	6.873711	7.072856
AQP7P2	AQP7P2	6.912188	7.111048	6.847794	7.094929	6.998121	7.126052	6.920991	6.954849	6.983728	7.050118	6.889429	6.993588
AQP8	AQP8	6.903014	7.041762	6.681251	7.024718	6.919975	6.963297	6.857036	6.873151	6.774813	6.891437	6.840184	6.829939
AQP9	AQP9	6.940532	7.16098	6.905378	7.150072	7.035472	7.240833	7.043028	7.084394	7.076484	7.035328	6.985201	7.009766
AQR	AQR	8.941019	9.120302	8.746297	9.128941	8.552615	8.669282	8.154333	8.179966	8.053148	8.106143	7.796672	7.987323
AR	AR	7.10899	7.237716	6.905369	7.12338	6.932417	6.985998	6.879092	6.95088	6.966713	7.022365	6.829665	6.835329
ARAF	ARAF	9.586532	9.952202	9.25157	9.647028	9.810312	10.176	9.85152	9.718463	9.89833	9.972902	9.185785	9.893423
ARC	ARC	7.20602	7.697015	7.051405	7.279052	7.191045	7.29184	7.04097	7.200145	7.129879	7.13884	6.906884	6.939017
ARCN1	ARCN1	10.77465	11.00191	10.70753	11.44077	11.3153	11.50491	10.7961	11.02284	10.90935	10.85091	11.00744	10.60284
ARD1A	ARD1A	9.243247	9.636844	9.142971	9.368853	9.298433	9.686941	9.474187	9.438454	9.537827	9.774025	9.558241	9.193343
AREG	AREG	6.858919	7.064363	6.705381	6.938597	6.92046	6.790677	6.90412	6.907678	6.908229	6.886341	6.700332	6.819897
ARF1	ARF1	10.04998	10.11788	9.969744	10.35623	10.40635	10.75888	10.38184	10.49034	10.53475	10.54381	10.66156	10.46414
ARF3	ARF3	9.663306	10.51396	9.453889	9.451638	8.946533	9.417307	8.915509	9.030153	8.97546	9.055561	9.17967	8.538007
ARF4	ARF4	11.12975	11.6012	11.4552	11.93023	11.66743	12.05667	11.38181	11.67792	11.61384	11.46001	11.9232	11.60625
ARF5	ARF5	10.34358	10.78361	10.41043	10.53585	10.46665	10.61322	10.12728	10.29361	10.29322	10.3856	10.61875	10.15321
ARF6	ARF6	6.981417	7.246935	6.741021	7.078165	7.026182	7.157695	6.958865	7.101671	7.050776	7.038743	6.825715	7.028645
ARFGAP1	ARFGAP1	8.100961	8.368552	7.92289	8.666695	8.346927	8.20806	7.97248	8.146378	8.031383	8.137857	8.335296	8.063574
ARFGAP3	ARFGAP3	7.960777	7.950523	8.44581	9.011787	8.816782	8.969177	8.455287	8.617264	8.620564	8.318175	8.576332	8.933317
ARFGEF1	ARFGEF1	9.604429	10.40707	9.240233	9.331988	9.12194	9.376154	8.743146	8.701769	8.641926	8.481566	8.371097	8.618258
ARFGEF2	ARFGEF2	7.616822	7.806305	7.369786	7.477157	7.365527	7.696107	7.282389	7.592964	7.429139	7.534954	7.442907	7.515834
ARFIP1	ARFIP1	8.47886	8.77171	8.40981	8.561718	8.291892	8.945355	8.403343	8.464075	8.491773	8.330531	8.224689	8.284051
ARFIP2	ARFIP2	7.021995	7.2382	6.846144	7.069679	6.986211	7.109381	6.886052	7.045588	7.052498	6.935175	6.84574	6.977249
ARFRP1	ARFRP1	7.160272	7.327073	7.117825	7.284635	7.152228	7.138976	7.184494	7.312023	7.309474	7.182332	7.248528	7.456773
ARG1	ARG1	6.877422	6.869058	6.75351	6.891559	6.977418	6.875764	6.914734	6.918505	6.755957	6.841392	6.723064	6.815724
ARG2	ARG2	10.25636	10.41466	9.2506	9.589541	9.682106	9.02189	8.419323	8.401084	8.365702	8.509079	8.17285	9.717966
ARG99	ARG99	7.091783	7.285729	6.985499	7.067789	6.944813	7.038164	6.930616	7.002417	6.905965	7.040962	6.86152	6.917233
ARGFX	ARGFX	6.872075	7.056318	6.743209	7.031377	6.799891	6.983647	6.858445	6.975209	6.90643	7.039181	6.763118	6.686481
ARGFXP2	ARGFXP2	6.835077	7.075602	6.840807	6.957656	6.982608	6.999011	6.845439	6.905191	6.869822	6.860291	6.682569	6.870754
ARHGAP1	ARHGAP1	9.691374	10.08855	9.35306	9.9277	10.37173	11.61815	11.45572	11.59454	11.10108	11.27753	11.36136	10.56558
ARHGAP1	ARHGAP1	7.714355	8.215947	8.052226	8.957475	8.877812	9.046502	8.447605	8.42121	8.432929	8.67692	8.405572	8.234894
ARHGAP1	ARHGAP1	7.355174	7.628554	7.354643	7.419893	7.218956	7.289618	7.08226	7.185044	7.139764	7.229737	7.013178	7.010988
ARHGAP1	ARHGAP1	8.03229	8.390305	8.349159	8.228474	7.861325	8.149475	7.752646	7.806641	7.922566	7.788755	7.536982	7.871944
ARHGAP1	ARHGAP1	6.902202	7.048315	6.959157	7.140013	7.03852	7.019254	6.823903	6.901155	7.035633	6.90784	6.730709	6.887725
ARHGAP1	ARHGAP1	9.599932	9.789416	9.329286	9.506192	9.194122	9.134904	8.732456	8.82887	8.75314	8.69169	8.846773	8.78207
ARHGAP1	ARHGAP1	6.952087	7.216653	6.85175	6.964828	6.857845	7.007246	6.924389	6.905239	6.92757	6.971852	6.920224	7.062404

ARHGAP1	ARHGAP1	9.757094	10.12491	9.977507	9.864621	9.270486	9.649728	8.930843	8.86954	8.772927	8.481132	7.873494	7.862369
ARHGAP2	ARHGAP2	6.848179	7.041427	6.909624	7.054611	7.070737	7.565873	7.014369	7.155394	7.220206	7.037204	6.954472	7.076129
ARHGAP2	ARHGAP2	9.766371	10.73986	10.4659	10.92882	10.759	10.92956	10.44683	10.3372	10.50663	10.01896	9.840152	10.3432
ARHGAP2	ARHGAP2	8.269034	8.453165	7.491323	8.075083	8.951524	8.216329	7.574416	7.508947	7.408455	7.266636	7.197481	7.101614
ARHGAP2	ARHGAP2	8.744486	8.130377	7.512554	8.14434	8.317482	8.293499	7.852684	8.190755	8.093899	8.247889	8.57129	8.229211
ARHGAP2	ARHGAP2	6.910184	7.097305	9.073936	7.598623	7.66202	7.667189	7.472412	7.698673	7.594367	7.665906	7.684735	7.44199
ARHGAP2	ARHGAP2	6.908013	7.049681	6.872277	7.079701	6.976969	6.997225	6.941511	7.007816	6.888176	6.921713	6.787618	6.886867
ARHGAP2	ARHGAP2	6.932619	7.306163	6.783622	7.10294	6.952364	7.187882	7.021183	7.141504	6.996457	7.077172	6.861732	7.042661
ARHGAP2	ARHGAP2	6.911923	7.159875	6.913896	7.102421	6.961552	7.070532	6.866822	7.043973	6.844413	7.099937	6.931918	6.962572
ARHGAP2	ARHGAP2	7.323449	7.391364	8.463787	9.882356	9.257339	7.891991	7.439227	7.392191	7.730241	7.123389	6.857966	6.93242
ARHGAP2	ARHGAP2	6.724964	6.964307	6.993649	7.288333	7.214611	6.92596	6.93971	6.846705	6.892854	6.902176	6.726999	6.777508
ARHGAP3	ARHGAP3	7.284074	7.642168	7.257365	7.498398	7.361102	7.700617	7.523982	7.526872	7.575589	7.53772	7.447162	7.541316
ARHGAP4	ARHGAP4	8.10464	8.504413	7.783076	7.559703	7.37512	7.392525	7.307453	7.282539	7.222146	7.29455	7.059593	6.952418
ARHGAP5	ARHGAP5	7.058859	7.202135	7.07831	7.259766	7.096554	7.470491	7.141268	7.24261	7.138615	7.101153	6.84768	7.098589
ARHGAP6	ARHGAP6	6.873259	7.028924	6.781714	7.057144	6.972551	6.972066	6.896173	6.944854	6.861256	6.893398	6.796962	6.836837
ARHGAP8	ARHGAP8	7.36278	7.429079	6.883866	7.1399	6.985469	6.915551	6.836778	6.918029	6.899466	6.856571	6.753448	6.816192
ARHGAP9	ARHGAP9	7.359745	7.480493	6.957464	7.174069	7.001629	7.120553	6.967119	6.967809	6.976754	6.986995	6.859476	6.932488
ARHGDIA	ARHGDIA	9.350833	9.838809	9.376753	9.982033	9.731685	9.844505	9.366024	9.730136	9.632551	9.696826	10.75938	9.796767
ARHGDIB	ARHGDIB	7.01907	7.353943	7.806313	10.4025	10.88026	9.302033	9.076181	9.204747	9.384159	8.766091	9.001739	8.284328
ARHGDIG	ARHGDIG	7.001134	7.119117	6.932807	7.079052	7.018606	7.195904	7.089026	7.176266	7.180426	7.087298	7.100339	6.963133
ARHGEF1	ARHGEF1	7.100165	7.226016	6.897877	7.186796	7.088498	7.144858	7.022289	7.090697	7.0336	7.007466	7.09477	6.931882
ARHGEF1	ARHGEF1	11.01347	10.77512	9.735945	10.3139	10.25531	10.08145	9.808648	10.02088	9.850498	9.806808	9.824597	9.816772
ARHGEF1	ARHGEF1	7.054658	7.246308	6.95277	7.113111	6.976261	7.150319	7.025889	7.176003	7.04368	7.090291	6.981901	7.078488
ARHGEF1	ARHGEF1	7.339165	7.721152	7.249943	7.473497	7.34287	7.581065	7.385143	7.436473	7.385343	7.383757	7.354705	7.377621
ARHGEF1	ARHGEF1	7.625166	7.72225	7.389466	8.019271	7.952464	8.560909	8.353668	8.298482	8.316329	8.162909	7.731247	8.257468
ARHGEF1	ARHGEF1	7.051921	7.297227	6.97503	7.069057	7.112692	7.150725	7.023858	7.095629	7.088225	7.22026	6.978681	7.060268
ARHGEF1	ARHGEF1	7.648084	8.26242	7.758802	7.750593	7.377748	7.332388	7.034877	6.991905	7.017818	6.906171	6.770595	7.029549
ARHGEF1	ARHGEF1	7.062024	7.202379	7.107199	8.027866	8.027958	8.053829	7.602804	7.715265	7.677268	7.920034	8.090612	8.052764
ARHGEF1	ARHGEF1	10.79413	11.00407	10.3678	10.66685	10.88044	10.41351	9.745859	9.655519	9.871916	9.497131	9.641002	9.805256
ARHGEF1	ARHGEF1	9.873783	10.09138	8.994683	8.332619	8.094123	7.370603	7.270704	7.32982	7.700006	7.132636	7.190501	7.245687
ARHGEF2	ARHGEF2	10.00869	10.61283	9.95687	10.02309	9.416622	8.98446	9.311795	9.330022	9.578467	9.148961	9.269701	9.412157
ARHGEF3	ARHGEF3	8.050973	8.451283	8.478226	9.849382	10.98991	9.180745	9.063738	9.32013	9.193147	9.284961	9.643384	9.793424
ARHGEF4	ARHGEF4	7.234378	7.219389	6.940318	7.151767	7.120936	7.097999	6.934799	7.047941	7.067482	7.014502	6.8199	6.817071
ARHGEF5	ARHGEF5	7.419199	7.640303	7.244918	7.232795	7.160772	6.901957	6.778103	6.969813	6.936289	6.983014	6.801666	6.920925
ARHGEF6	ARHGEF6	9.212547	9.43792	8.916058	7.889907	7.615895	9.476455	9.182986	9.400809	9.225044	9.450412	9.163883	9.497763
ARHGEF7	ARHGEF7	8.712	8.966117	8.326869	8.780366	8.657561	8.786199	8.499319	8.564474	8.447344	8.400342	8.254421	8.271679

ARHGEF9	ARHGEF9	7.37263	7.698949	7.281252	7.626682	7.495228	7.951494	7.844336	7.967308	7.918002	7.894952	7.396147	7.432581
ARID1A	ARID1A	10.53438	10.80791	10.27533	10.55665	10.44914	10.41871	9.852069	9.855708	9.867758	9.499238	9.154307	9.046874
ARID1B	ARID1B	6.928505	7.140396	6.822106	7.034378	6.990374	6.996992	6.877691	6.969865	6.899104	6.929167	6.784864	6.906839
ARID2	ARID2	8.935541	9.18701	8.756039	9.184204	8.701001	8.557976	8.100607	8.062336	8.155551	7.994072	7.535601	7.74923
ARID3A	ARID3A	10.51495	10.63523	10.77108	11.83166	11.21326	10.51872	9.802032	9.746196	9.173533	9.007668	8.659347	8.521411
ARID3B	ARID3B	11.04186	11.31538	10.39838	10.77701	10.08517	9.510147	8.562259	8.3974	8.134088	7.903021	7.696615	7.530657
ARID3C	ARID3C	6.897627	7.087225	6.851216	7.036445	6.996182	7.15967	6.930092	6.927136	6.986932	7.034647	6.770704	6.740089
ARID4A	ARID4A	7.404257	7.58494	7.405744	7.695908	7.574133	7.817841	7.527145	7.644806	7.60985	7.581773	7.388507	7.593542
ARID4B	ARID4B	8.229778	8.675782	8.169807	8.627113	8.461538	8.657785	8.195922	8.090559	8.22005	8.025042	7.669147	8.42882
ARID5A	ARID5A	6.91453	7.07931	6.889524	7.023757	6.890003	6.982297	6.998942	7.108619	7.021082	7.242857	7.033604	6.98406
ARID5B	ARID5B	7.149664	7.573794	8.428139	9.648754	9.783726	9.212038	8.824925	9.331344	9.381125	9.117235	9.847647	9.588625
ARIH1	ARIH1	8.499794	8.925586	8.516817	9.043069	8.846195	9.684545	9.120265	9.3618	9.095894	9.196136	9.167725	9.296841
ARIH2	ARIH2	10.88445	10.81826	10.19801	10.53688	10.55405	11.10183	10.77135	10.83968	10.57582	10.72066	10.09327	10.23969
ARL1	ARL1	9.318234	9.712487	9.754489	10.34719	10.48353	11.13049	10.61044	10.89936	10.56369	10.64341	10.59048	10.64087
ARL10	ARL10	6.862199	7.179587	6.935857	7.187198	7.235282	7.126991	7.168886	7.070437	7.059358	7.034773	6.991778	7.049855
ARL11	ARL11	6.799162	6.908662	6.60779	6.978656	6.866883	6.89404	6.824902	6.881794	6.892568	6.753761	6.732799	6.699868
ARL13A	ARL13A	6.884849	7.029999	6.828272	7.027154	6.917855	7.083604	6.767291	6.944006	6.837691	7.029069	6.954925	6.902722
ARL13B	ARL13B	7.123854	7.401774	7.341286	7.333867	7.209038	7.404451	7.113077	6.997503	7.059817	7.098014	6.910935	6.998273
ARL14	ARL14	6.948009	7.191233	7.038608	7.137979	6.985157	7.086293	6.808047	6.999726	7.0218	6.889328	6.795781	6.841773
ARL15	ARL15	7.237696	7.500381	7.237517	7.411755	7.364764	7.942171	7.524868	7.398031	7.427774	7.394079	7.235902	7.325901
ARL16	ARL16	9.728499	10.28414	9.710732	10.03253	10.13558	10.25156	10.31293	9.867074	10.07903	10.1667	9.735946	9.93887
ARL17P1	ARL17P1	7.311888	7.388676	7.143747	7.427112	7.633242	8.281576	8.110639	7.921568	8.055261	7.716028	7.177258	7.452398
ARL2	ARL2	12.62327	12.82809	12.26099	12.00587	11.90465	11.77468	11.93878	11.81079	12.21704	12.26109	11.50041	12.27566
ARL2BP	ARL2BP	9.285135	9.885862	9.943386	11.55745	11.76951	11.70038	11.44926	11.41549	11.22007	11.22424	11.16978	10.86661
ARL3	ARL3	7.388597	7.4502	7.274582	7.835981	7.960845	7.987567	7.73584	7.977761	7.897783	7.850966	7.625324	7.28017
ARL4	ARL4	8.450959	9.269538	7.98514	8.259265	8.285701	9.514041	7.883313	7.722988	8.236438	7.685992	7.633293	7.518987
ARL4A	ARL4A	6.967585	7.1672	6.85938	7.065191	7.070455	7.199798	7.072623	6.961677	7.030019	6.824921	6.793078	6.836485
ARL4C	ARL4C	7.06927	7.412841	7.063553	7.777344	7.462043	7.340532	7.233784	7.133242	7.2282	7.280953	7.536102	7.645288
ARL4D	ARL4D	7.02421	7.14212	7.284368	7.29992	7.473126	7.590799	7.124996	7.328715	7.22725	7.244014	7.271806	7.021417
ARL5	ARL5	11.66092	11.85521	11.40891	11.67285	11.59075	11.95457	11.65451	11.80574	11.90236	11.88057	11.60373	11.57268
ARL5A	ARL5A	10.29611	10.60505	10.28122	10.32993	10.37342	10.58234	10.32334	10.62051	10.46473	10.79503	10.43685	10.26209
ARL5B	ARL5B	8.351169	9.168167	8.544092	8.768634	8.496352	8.783382	8.016777	7.937749	7.838711	7.801181	7.544	7.527582
ARL5C	ARL5C	6.918445	6.967394	6.825058	7.048983	6.967415	7.062581	6.91273	6.983992	7.014521	6.974807	6.768366	6.848741
ARL6	ARL6	6.937763	7.183122	6.914297	7.082611	7.019611	7.068685	7.028631	7.021228	7.109568	7.057754	7.011725	7.045972
ARL6IP1	ARL6IP1	11.7567	12.45202	12.22852	12.23404	11.45497	11.3284	10.37087	10.43071	10.69558	10.00004	10.108	9.566145
ARL6IP2	ARL6IP2	8.756944	9.139418	8.686492	8.825549	8.329953	8.770369	8.013811	8.352265	8.161686	8.169503	8.19754	8.004535

ARL6IP4	ARL6IP4	7.872975	8.265754	7.745206	8.207211	8.174707	8.796524	8.58393	8.361191	8.429401	8.657784	8.386084	8.40216
ARL6IP5	ARL6IP5	10.45166	10.98986	10.32568	11.38118	11.80132	12.87189	12.94113	12.72121	12.93267	12.89322	12.38679	12.89159
ARL6IP6	ARL6IP6	9.327686	9.629456	9.393283	9.101794	9.092837	8.583556	8.050102	8.119886	8.207695	7.948717	8.137701	7.815294
ARL8A	ARL8A	6.95833	7.133348	6.886234	7.02923	6.959082	7.11866	6.922689	6.982904	6.952125	7.084367	6.825594	6.943431
ARL8B	ARL8B	9.572805	10.19503	9.821865	10.27685	10.44	11.50669	10.82971	10.65959	10.96225	10.88897	10.39853	10.89893
ARL9	ARL9	7.228529	7.698707	7.512103	7.425433	7.091039	7.333538	7.112463	7.164341	7.121275	7.162357	6.927063	6.865483
ARMC1	ARMC1	9.630147	9.989502	9.63345	9.92177	9.630985	10.13534	9.750042	9.742743	10.02464	9.918687	9.699653	9.996952
ARMC10	ARMC10	10.45202	10.63969	9.914463	9.668742	9.853649	10.42154	9.710567	9.911413	9.848428	9.834553	10.34746	9.891589
ARMC2	ARMC2	6.930093	7.088376	6.836098	7.051119	6.943709	7.104641	6.98456	7.020632	6.976177	7.059415	6.895111	6.878487
ARMC4	ARMC4	7.444822	7.381396	7.421183	7.106744	7.053132	7.079382	6.802587	7.009908	6.952065	6.93826	6.80704	6.975301
ARMC5	ARMC5	7.249323	7.551934	7.02871	7.353579	7.251793	7.465075	7.072658	7.116427	7.155933	7.176461	7.247213	7.087007
ARMC6	ARMC6	8.265558	8.436888	7.802663	7.951609	7.7269	7.921673	7.669247	7.694871	7.677758	7.806108	7.578992	7.64479
ARMC7	ARMC7	8.153196	8.396298	7.693947	8.047548	7.930576	8.067189	7.935263	8.023077	7.802909	8.111033	8.000372	8.159889
ARMC8	ARMC8	7.737078	7.943004	7.597308	7.860173	7.615015	8.237121	7.775935	8.032829	7.924096	7.948158	8.01189	7.889368
ARMC9	ARMC9	7.033037	7.315218	6.958684	7.266881	7.021907	7.149988	7.163889	6.964374	7.169737	7.234005	6.966848	7.146564
ARMCX1	ARMCX1	9.309819	9.727213	8.948018	9.255056	9.615379	10.15399	9.83644	9.856283	9.878416	9.712606	9.531799	9.634285
ARMCX2	ARMCX2	11.26602	11.89067	10.80596	10.91162	11.13773	11.83407	11.2947	11.55824	11.10569	11.13205	11.37021	10.61132
ARMCX3	ARMCX3	7.697004	8.27955	7.694035	8.393311	8.982375	10.33141	9.951652	9.794674	9.678522	9.509165	9.018246	8.885328
ARMCX4	ARMCX4	7.421604	7.308213	7.11201	7.650185	7.79695	7.851123	7.543018	7.484799	7.519017	7.3233	7.101646	6.95609
ARMCX5	ARMCX5	8.170055	8.453825	8.202698	8.049863	7.859294	8.387436	8.014135	8.075647	8.100094	8.004669	7.962762	7.934398
ARMCX6	ARMCX6	8.414434	9.428326	8.741888	9.292253	9.653534	10.89568	10.11809	10.08591	10.19456	9.911277	9.661973	8.952588
ARMET	ARMET	12.00756	12.34474	11.99415	12.27725	12.19122	12.37725	12.2165	12.37735	12.36718	12.42084	13.01168	12.40727
ARMETL1	ARMETL1	6.835165	7.105528	6.93127	7.185872	7.072254	7.322613	7.119476	7.011783	7.023144	6.968002	6.912569	7.086779
ARNT	ARNT	7.076615	7.381992	7.109828	7.202916	7.233354	7.299979	7.161584	7.187668	7.235667	7.352805	7.056901	7.15581
ARNT2	ARNT2	7.640438	7.899021	7.571193	8.002232	8.2066	7.800921	7.531097	7.619434	7.936688	7.411458	7.332626	7.614144
ARNTL	ARNTL	7.252273	7.887464	7.482419	7.519261	7.371231	7.715392	7.36462	7.488261	7.518489	7.481972	7.676916	7.66238
ARNTL2	ARNTL2	6.938721	6.921289	6.820783	7.09689	6.861094	7.036547	6.912216	6.859048	6.942897	6.837975	6.753082	6.814832
ARP10	ARP10	6.883002	7.271089	6.812984	7.145432	6.98401	6.955639	6.879165	6.928384	6.926094	6.941417	6.760745	6.98133
ARPC1A	ARPC1A	11.37792	11.62884	11.52712	11.59557	11.57947	12.22244	11.93697	11.95544	11.76424	11.94392	11.70953	11.65387
ARPC1B	ARPC1B	7.819591	8.049686	7.550821	7.738856	7.660008	7.693604	7.70569	7.846846	7.779348	7.817284	8.182627	8.401581
ARPC2	ARPC2	11.00221	11.44982	11.17541	11.4413	11.16899	11.89458	11.40284	11.42779	11.41572	11.20069	11.50547	11.05469
ARPC3	ARPC3	10.47998	11.59317	10.83906	10.54494	10.71007	10.53643	9.973869	9.894444	10.167	9.77818	10.04213	9.886118
ARPC4	ARPC4	9.772847	10.15625	9.480094	9.784121	9.480681	9.754875	9.531436	9.687236	9.602886	9.673891	10.00006	9.368799
ARPC5	ARPC5	11.42167	12.0992	11.53297	12.21661	11.99478	12.17151	12.12655	11.70235	12.09621	11.87138	11.88801	12.10233
ARPC5L	ARPC5L	10.19833	10.75786	9.748641	9.641307	9.644474	10.37914	9.808958	9.930329	9.849076	9.986473	10.03859	9.86698
ARPM1	ARPM1	7.474881	7.776565	7.065303	7.127107	7.025305	7.00921	6.95691	7.009215	7.07485	7.048006	6.915976	6.870036

ARPM2	ARPM2	6.949757	7.117624	6.88747	7.161081	6.960106	7.047468	6.954521	6.939013	6.965621	6.942595	6.915368	6.946898
ARPP-19	ARPP-19	10.02925	10.27335	9.726292	10.14062	9.861582	9.916047	9.625803	9.311501	9.376157	9.198952	9.07375	9.26632
ARPP-21	ARPP-21	6.871416	6.978432	6.814108	7.053836	6.966247	7.074812	6.893825	6.961715	7.982451	7.235827	6.821482	6.882923
ARR3	ARR3	6.864109	7.086451	6.661312	6.911394	6.92558	6.973727	6.72899	6.800044	6.914286	6.868321	6.703327	6.822286
ARRB1	ARRB1	7.410053	7.513626	7.7636	7.803055	7.808093	7.751496	7.54848	7.52224	7.566566	7.66839	7.40984	7.385335
ARRB2	ARRB2	7.322467	7.49812	6.979292	7.222726	7.046119	7.124539	7.022218	7.060483	7.00009	7.051324	6.893026	6.862023
ARRDC1	ARRDC1	7.136968	7.344098	7.007475	7.02479	7.196049	7.215185	7.174143	7.226822	7.177208	7.227309	7.127839	7.00637
ARRDC2	ARRDC2	7.090369	7.113604	6.886579	7.050264	6.961774	6.903292	6.961028	6.976621	6.912069	6.980474	6.839617	6.909242
ARRDC3	ARRDC3	7.430131	7.937373	7.423495	8.110307	7.850656	7.926233	7.434935	7.559222	7.523739	7.485962	7.418371	7.377407
ARRDC4	ARRDC4	6.831749	7.062998	6.770196	7.101686	6.873265	7.053282	6.86234	6.948581	6.856647	6.944582	6.865728	6.868838
ARRDC5	ARRDC5	6.79537	6.9419	6.847798	6.909421	6.882108	6.846614	6.840598	6.756084	6.680715	6.853619	6.77093	6.784922
ARS2	ARS2	11.84373	12.12001	11.40533	11.64858	11.30755	11.41684	10.78446	10.7015	10.74809	10.5649	10.10944	10.32507
ARSA	ARSA	7.095237	7.314222	7.15117	7.512874	7.41879	7.414529	7.419852	7.420057	7.425118	7.496415	7.411732	7.542972
ARSB	ARSB	7.66714	7.920167	7.812882	8.291698	8.105418	8.399758	8.291069	8.158229	8.278797	8.246112	7.974348	8.142744
ARSD	ARSD	7.048716	7.308008	7.378101	7.729215	7.696224	7.925384	7.820653	7.905272	7.616475	7.634865	7.480463	7.428915
ARSE	ARSE	6.915375	7.010769	7.114079	7.182462	6.957083	6.864085	6.835606	6.804993	6.834566	6.85799	6.687256	6.678786
ARSF	ARSF	6.765466	6.960276	6.661203	6.900853	6.757113	6.808774	6.740422	6.948296	6.742682	6.725021	6.747357	6.758333
ARSG	ARSG	7.174884	7.563146	7.051856	7.351313	7.186845	7.311085	7.212332	7.264616	7.337984	7.340135	7.09068	7.204771
ARSH	ARSH	6.894522	6.982152	6.891873	6.985699	6.968303	6.90738	6.906317	7.001317	6.81803	6.803721	6.752352	6.8348
ARSI	ARSI	6.90914	7.168027	6.805675	7.154948	7.591051	7.00538	6.936059	7.064418	6.880206	6.942937	6.806474	6.790342
ARSJ	ARSJ	7.131991	7.383687	6.985217	7.354428	7.192337	7.22794	6.991038	7.147329	7.072544	7.177698	7.657546	7.47019
ARSK	ARSK	8.141755	8.026571	7.61405	8.070696	7.782	8.302162	7.704977	7.86017	7.733025	7.766486	7.89321	8.086639
ART1	ART1	7.031317	7.398179	6.923811	7.292691	7.157202	7.147781	7.178759	7.18183	6.855022	7.176851	6.956111	7.10775
ART3	ART3	7.790053	7.466541	7.095187	7.612172	8.21404	9.532343	8.719188	9.142718	9.182725	9.688953	8.807333	9.651371
ART4	ART4	7.241881	7.531764	7.043398	7.963954	7.487498	7.423229	7.30514	7.267339	7.319252	7.396038	7.517305	7.220175
ART5	ART5	7.263015	7.282504	7.365341	9.0217	8.380302	7.609666	7.22686	7.116791	7.109183	7.068005	6.886299	6.978309
ARTN	ARTN	7.10946	7.167152	6.803763	7.002418	6.91676	7.011371	7.016606	7.011241	6.906321	6.940771	6.8007	6.839511
ARTS-1	ARTS-1	7.026456	7.189216	6.914331	7.072725	7.07062	7.170709	6.979701	7.050104	7.082929	7.088014	6.876165	7.022738
ARV1	ARV1	8.943508	9.187552	8.973228	8.954248	9.126852	10.39865	9.877252	9.884734	9.939321	10.0297	9.86787	9.762394
ARVCF	ARVCF	7.135376	7.179684	6.998457	7.188805	7.01305	7.04615	7.130955	7.193926	7.148102	7.251099	6.865661	7.108841
ARVP6125	ARVP6125	6.971498	6.98196	6.893065	7.067225	6.902214	7.033581	6.878102	7.026513	6.870871	7.002846	6.875486	6.852884
ARX	ARX	7.016924	7.215189	6.820542	7.116844	7.009941	7.065917	7.03351	7.116895	7.003985	7.107763	6.953286	6.949691
AS3MT	AS3MT	7.541001	8.002843	7.668811	7.903216	7.779495	8.201459	8.09123	7.911126	8.227904	8.227017	7.801843	8.149298
ASAH1	ASAH1	7.341705	7.49001	7.155696	7.390013	7.414734	7.823646	7.675856	8.095475	7.873604	8.054149	8.009714	7.943231
ASAH2	ASAH2	6.911061	7.108302	6.813888	7.010732	6.942831	7.033188	6.952856	6.973932	6.944309	6.982158	6.804104	6.910134
ASAH3	ASAH3	6.878958	7.116024	6.819974	7.111223	6.995465	7.016247	6.927809	6.998367	6.892776	7.045157	6.85398	6.857593

ASAH3L	ASAH3L	7.126186	7.296421	6.832005	7.290498	7.10214	7.220299	6.961112	7.019079	6.940948	6.991206	6.838233	6.947645
ASAHL	ASAHL	7.790301	7.775499	7.225307	7.461522	7.447009	8.344956	7.924618	8.051365	7.999497	7.964917	8.17241	7.820073
ASAM	ASAM	7.653175	7.967108	7.900612	7.88544	7.915697	7.111106	7.089432	7.186507	7.22076	6.989561	7.193937	7.491111
ASB1	ASB1	8.742635	9.227561	8.477463	8.978797	9.142888	9.383013	9.387877	9.08306	9.285865	9.270038	8.746508	9.288914
ASB10	ASB10	7.161894	7.376385	7.031043	7.079228	7.054064	7.267583	7.470969	7.36249	7.322181	7.327732	7.008322	7.402946
ASB11	ASB11	6.954016	7.093167	6.833864	7.076465	7.002967	7.099621	6.94987	7.038512	7.044921	7.131643	6.950592	7.15375
ASB12	ASB12	6.94156	7.069901	6.880245	7.04923	6.979123	6.921616	6.933637	7.019886	6.904936	6.951218	6.738949	6.831897
ASB13	ASB13	8.297271	8.201874	7.768758	8.097481	7.851354	8.08313	7.846069	7.671122	7.572685	7.618825	7.353914	7.55763
ASB14	ASB14	6.84383	7.097759	6.766492	7.094824	6.872038	6.938445	6.846207	6.86106	6.941043	6.897458	6.814302	6.848205
ASB15	ASB15	6.917398	7.165322	6.920376	7.118767	7.053557	7.140803	6.800219	7.044716	7.026045	7.070663	6.899929	7.140634
ASB16	ASB16	6.907538	7.040037	6.837019	6.976942	7.011452	7.019584	6.899472	6.925512	6.884717	6.938655	6.820323	6.777562
ASB17	ASB17	6.778063	7.097753	6.80127	7.016069	6.929903	6.937877	6.838911	6.924813	6.871369	6.966569	6.782998	6.876257
ASB2	ASB2	7.041248	7.147457	6.964165	7.204599	7.577698	8.620104	8.456492	8.363306	7.936338	8.097638	7.59304	7.693873
ASB3	ASB3	9.120163	9.527797	9.333366	9.46076	9.276176	10.1279	9.482612	9.561324	9.443237	9.274714	9.145077	9.040643
ASB4	ASB4	6.902503	7.077451	6.853687	7.024115	6.878322	7.013905	6.907575	6.945864	6.887865	6.982811	6.768736	6.851376
ASB5	ASB5	6.81577	7.03535	6.735779	7.041964	6.906973	6.886605	6.858469	6.962121	7.11831	7.220394	7.032274	7.153405
ASB6	ASB6	7.324517	7.513121	7.092643	7.563232	7.483787	7.538684	7.273044	7.367326	7.293863	7.409461	7.372	7.38173
ASB7	ASB7	7.226679	7.383916	7.079915	7.422021	7.163419	7.226137	7.020466	7.099036	7.064811	7.031938	6.935871	7.001967
ASB8	ASB8	7.361586	7.791977	7.345337	7.841635	8.180767	9.060066	8.712214	8.701241	8.680921	8.770228	8.424879	8.791146
ASB9	ASB9	6.913418	7.434677	7.371856	7.018327	6.91408	6.941994	6.840522	6.934916	6.946465	6.886812	6.711416	6.782784
ASCC1	ASCC1	10.38709	10.78687	10.27771	10.68555	10.51773	11.69461	11.01492	11.10581	10.81621	10.8591	10.60713	10.6919
ASCC2	ASCC2	10.72279	11.37749	10.73923	11.24904	11.15419	11.27232	11.17915	11.10576	11.1109	11.24017	10.7592	11.18542
ASCC3	ASCC3	8.6395	9.126897	8.371114	8.620314	8.557677	9.458048	8.626924	8.536588	8.442367	8.371724	8.450014	8.373541
ASCC3L1	ASCC3L1	7.853103	8.034029	7.672062	8.037465	8.029892	8.159391	7.911456	7.964636	7.935161	8.109528	7.412972	7.753015
ASCIZ	ASCIZ	8.061013	8.353201	8.042684	8.359417	8.319125	8.225509	7.988182	7.765352	7.831168	7.723879	7.653742	7.798864
ASCL1	ASCL1	7.000026	7.167365	6.8075	7.11154	7.275967	7.018434	6.927682	6.951961	7.317826	7.083591	6.771706	6.920804
ASCL2	ASCL2	7.159525	7.521148	7.05322	7.05008	7.022424	7.123472	7.044874	7.1305	7.246466	7.058354	6.82161	6.925039
ASCL3	ASCL3	6.903037	6.93438	6.705632	6.94325	6.882807	6.973284	6.832509	6.895791	6.881481	6.875339	6.747502	6.948671
ASCL4	ASCL4	6.841161	6.928936	6.720605	7.00222	6.946155	6.851187	6.78485	6.883174	6.751503	6.872173	6.720233	6.777674
ASF1A	ASF1A	8.993036	9.254418	8.954038	8.846355	8.940311	9.929765	9.336004	9.820651	9.463755	9.59864	9.527473	9.206193
ASF1B	ASF1B	8.013376	8.245033	8.015974	8.181428	7.568626	7.828064	7.512563	7.647399	7.432404	7.627665	7.357043	7.107179
ASGR1	ASGR1	8.836366	8.97587	8.181285	8.208003	8.522655	9.079415	8.202215	7.71289	8.194168	7.591607	7.335488	7.39959
ASGR2	ASGR2	6.929503	7.035043	6.890546	6.981383	7.001197	6.982966	6.885837	6.950366	6.890542	6.951994	6.79794	6.84768
ASH1L	ASH1L	6.904807	7.229337	6.886163	7.125843	7.045418	7.100026	7.150631	7.163371	7.136593	7.051914	6.972488	7.104613
ASH2L	ASH2L	10.59969	11.22302	10.93826	11.47164	11.3546	11.58907	10.90604	11.09352	10.82756	10.83547	10.54302	10.28272
ASIP	ASIP	6.892165	6.857305	6.810286	7.725903	7.707913	7.141354	7.061306	7.000207	7.066876	7.146672	7.058294	7.042535

ASL	ASL	7.240073	7.530901	7.21045	7.351924	7.233731	7.250659	7.062862	7.13166	7.15207	7.115254	7.01154	7.034416
ASMT	ASMT	6.8299	6.930443	6.780309	7.003678	6.905321	6.917252	6.759946	6.931833	6.931829	6.857853	6.808803	6.788907
ASMTL	ASMTL	9.257169	8.887328	8.21146	8.467113	8.420133	8.305908	7.968197	8.143707	8.055801	8.196102	8.122093	7.973686
ASNA1	ASNA1	6.917669	7.096028	6.871105	7.11295	6.919753	6.970084	6.850777	7.049013	6.958325	7.015415	6.930404	6.892398
ASNS	ASNS	11.43543	12.34503	10.76771	10.92381	10.66557	10.62815	10.25613	10.32158	10.86028	10.24352	10.36733	11.06067
ASNSD1	ASNSD1	10.98343	11.00269	11.29559	11.49904	11.25387	11.60829	10.72677	11.07578	10.96394	10.94227	10.87207	10.95557
ASPA	ASPA	6.916252	6.943992	6.723508	6.951506	6.844863	6.797994	6.779848	6.83547	6.87577	6.883104	6.71859	6.760428
ASPH	ASPH	7.450495	7.658002	7.308028	7.563395	7.681201	8.64011	8.538282	8.648904	8.752386	8.563429	8.259236	8.171401
ASPHD1	ASPHD1	7.089324	7.194876	6.928417	7.08582	7.248626	7.026225	6.891581	6.965654	7.026002	6.96934	6.865975	6.85703
ASPHD2	ASPHD2	8.158075	8.034966	7.925464	7.492806	7.31292	7.214696	7.080695	7.122211	7.235328	7.139103	7.224733	7.186205
ASPM	ASPM	10.9162	11.20177	10.88196	10.79497	10.50841	9.982442	9.675925	9.416379	9.575944	9.089594	8.405901	7.783357
ASPN	ASPN	7.015629	7.087729	6.797025	7.075684	6.945203	6.954645	7.011594	7.003368	6.900766	7.042438	6.890197	6.992538
ASPSCR1	ASPSCR1	9.8882	10.14404	9.498576	9.773198	9.735099	9.608259	9.33259	9.133595	9.310923	9.25304	8.757951	9.025212
ASRGL1	ASRGL1	7.316157	7.573585	7.429784	7.388304	7.19902	7.298506	7.356893	7.158049	7.211625	7.322657	6.940076	6.988379
ASS	ASS	9.009507	9.619518	9.934774	8.148884	7.908771	9.150284	8.812567	8.733017	8.995754	8.861615	8.63125	9.0513
ASTE1	ASTE1	7.868288	8.345716	7.791223	7.96356	7.767671	8.068274	7.606672	7.603474	7.729099	7.671777	7.361822	7.373142
ASTL	ASTL	6.876692	7.120692	6.962217	7.069027	6.990976	7.003422	6.840093	6.99611	6.949891	6.981811	6.846378	6.94943
ASTN	ASTN	7.184787	7.235024	7.048487	7.316598	7.091322	7.144232	7.074386	7.187249	7.334498	7.089603	6.947399	6.848698
ASTN2	ASTN2	7.467747	7.761319	7.226519	7.57726	7.262625	7.538654	7.230035	7.229534	7.268811	7.229462	6.988995	7.096115
ASXL1	ASXL1	8.109185	8.142542	8.8986	10.09653	9.732784	9.596171	9.195083	9.35104	9.17958	9.163489	8.895381	9.007702
ASXL2	ASXL2	9.81213	10.21141	9.524775	9.757517	9.54733	10.18095	9.363696	9.51717	9.260187	9.261709	9.213676	9.472299
ASZ1	ASZ1	6.789176	7.025206	6.789747	6.975173	6.861244	6.861477	6.846839	6.933697	6.870582	6.907887	6.768791	6.805832
ATAD1	ATAD1	8.443213	8.854797	8.556476	9.056345	9.177479	10.54745	9.833073	9.880768	9.955391	9.915766	9.767825	9.909112
ATAD2	ATAD2	8.42544	8.648135	8.921879	9.242046	8.880755	9.708924	9.167985	9.237491	8.944613	9.037298	8.586042	8.208539
ATAD3A	ATAD3A	8.428404	8.720151	7.931691	8.440698	7.996736	8.433962	8.037796	8.133031	8.020012	8.292246	8.414625	8.172603
ATAD3B	ATAD3B	7.478503	7.867015	7.138643	7.373101	7.315014	7.409326	7.211903	7.361816	7.225226	7.100306	7.152901	7.274498
ATAD3C	ATAD3C	6.910663	7.217507	7.019926	7.01133	7.109541	7.228208	6.929432	7.022025	7.063646	7.018855	6.892439	6.993467
ATAD4	ATAD4	7.704962	7.989948	7.551694	7.802056	7.592149	7.821334	7.542644	7.539926	7.903337	7.566748	7.510006	7.585367
ATBF1	ATBF1	6.851301	7.180168	6.982663	8.550786	9.11115	8.223082	7.876191	8.171989	8.441459	7.987921	8.017567	7.648402
ATCAY	ATCAY	7.722563	7.733289	7.069742	7.043649	6.95944	7.040415	6.903675	6.951183	7.121396	7.001147	6.874352	6.867506
ATE1	ATE1	7.23702	7.525071	7.270514	7.398268	7.282016	7.624793	7.244519	7.434898	7.283798	7.312424	7.099927	7.158294
ATF1	ATF1	7.718851	8.165469	7.639979	7.795869	7.733507	8.181698	8.015005	7.736822	7.952624	7.670452	7.483456	7.914772
ATF2	ATF2	7.700194	7.899052	7.677102	8.091356	7.984031	8.17255	7.703995	7.934909	7.630088	7.686091	7.703513	7.747719
ATF3	ATF3	8.063875	8.68527	7.761761	8.911437	8.558986	9.567657	7.974008	8.105368	7.930531	8.893763	8.404758	8.536625
ATF4	ATF4	12.44137	12.72507	12.16167	12.41243	12.24672	12.45476	11.99068	11.81714	12.26052	11.99631	11.89244	12.30879
ATF5	ATF5	8.913644	9.635238	9.143044	9.055728	9.061899	9.46418	9.086328	8.982987	9.290593	9.206986	8.884792	9.494769

ATF6	ATF6	8.753411	9.501464	9.256275	9.92196	9.70109	10.38099	9.523798	9.574123	9.725847	9.566133	9.730074	9.699329
ATF7	ATF7	6.919135	7.260656	6.995121	7.144558	6.958307	7.015187	7.101024	7.00566	6.970614	6.957361	6.961615	6.817932
ATF7IP	ATF7IP	7.174766	7.405008	7.090349	7.215337	7.208022	7.116553	6.960879	7.090724	7.032821	7.107374	6.881967	7.024069
ATF7IP2	ATF7IP2	7.936413	7.894064	7.524226	8.977842	8.198489	7.966506	7.714182	8.021894	8.005258	8.207181	8.153825	8.093762
ATG10	ATG10	8.550363	8.919514	8.276616	8.669492	8.668511	9.338786	9.012412	8.841612	8.623051	8.600463	8.239214	7.98601
ATG12	ATG12	9.752993	10.09023	9.709361	9.802058	9.785315	9.650738	9.221441	9.275282	9.485388	9.105289	9.357011	8.883508
ATG16L1	ATG16L1	9.07812	9.400413	9.085699	9.273456	8.826698	9.541805	8.947245	9.152493	8.963512	9.161437	9.271962	9.290069
ATG16L2	ATG16L2	7.285232	7.439106	7.109722	7.421236	7.271174	7.465558	7.355065	7.214679	7.161743	7.201972	6.995663	7.128813
ATG3	ATG3	9.38793	9.752905	8.77139	8.889504	8.885481	10.00226	9.167773	9.312859	9.32603	9.345667	9.533448	9.024177
ATG4A	ATG4A	7.166604	7.639937	7.217141	7.898119	7.951842	9.098936	8.80994	8.901142	8.837861	8.906023	8.649493	9.106924
ATG4B	ATG4B	8.991382	9.016295	8.452872	8.753395	8.439527	8.830303	8.487143	8.683484	8.39838	8.602986	8.700521	8.389732
ATG4C	ATG4C	8.626034	8.814219	8.123108	7.993727	7.773371	8.10699	7.753746	7.866101	7.793048	7.697823	7.634003	7.619338
ATG4D	ATG4D	7.465169	7.460686	7.17219	7.44458	7.312302	7.711217	7.416102	7.573515	7.36455	7.701692	7.693115	7.507392
ATG5	ATG5	8.935228	8.685714	8.263242	8.666049	8.305441	8.643031	8.432923	8.306938	8.565769	8.419247	7.965131	8.432279
ATG7	ATG7	9.128098	9.506482	9.352758	9.448594	9.119868	9.405586	8.865608	8.680025	8.862083	8.794677	8.564908	9.004041
ATG9A	ATG9A	8.068492	8.108564	7.8658	8.261518	7.974589	8.274631	8.202047	8.419806	8.222738	8.575959	8.676389	8.775389
ATG9B	ATG9B	6.839883	6.967565	6.657041	7.101708	6.909821	6.908657	6.900985	6.830318	6.803831	6.950386	6.819589	6.811986
ATHL1	ATHL1	7.993331	8.170436	7.79753	8.127543	8.015586	7.83939	7.633799	7.767008	7.654716	7.491558	7.651718	7.302318
ATIC	ATIC	12.73066	12.82258	11.95348	11.67454	11.35203	11.77851	11.08069	11.17817	10.88903	10.97438	10.88319	10.57598
ATM	ATM	7.971577	8.349783	8.053746	8.258334	8.382034	8.389347	8.136281	8.120042	8.062322	7.849922	7.546906	7.572623
ATN1	ATN1	7.387336	7.644176	7.333488	7.696695	7.589731	7.606062	7.376681	7.451365	7.533364	7.487354	7.662965	7.321475
ATOH1	ATOH1	7.00943	6.993081	6.743784	7.011307	6.943173	6.922189	6.805665	7.075186	7.063168	6.915287	6.853371	6.904758
ATOH7	ATOH7	6.879478	7.009001	6.763686	7.083806	6.990063	6.966877	6.848422	6.979313	6.836186	6.898234	6.785809	6.81923
ATOH8	ATOH8	6.902363	7.135914	7.287849	7.222252	7.006298	7.416839	7.381281	7.603047	7.592707	7.847357	7.593857	7.498504
ATOX1	ATOX1	10.8462	11.56331	11.2285	11.54196	11.59059	11.53268	11.19251	11.11885	11.38127	11.26023	11.1496	10.67149
ATP10A	ATP10A	7.016671	7.145906	6.840743	7.085802	7.064933	7.178025	7.016852	6.95497	6.966684	6.901547	6.886178	7.038414
ATP10B	ATP10B	6.943722	7.107174	6.848393	7.111927	6.934089	6.980144	6.82824	6.951542	7.006489	6.808163	6.743112	6.850526
ATP10D	ATP10D	6.826009	7.141852	6.774618	7.15951	7.290667	7.088162	7.048924	7.033667	7.038233	7.082789	6.90797	7.041685
ATP11A	ATP11A	6.894917	7.003434	6.779885	7.055874	6.929956	6.994077	6.916362	6.874613	6.906236	6.930635	6.705476	6.731347
ATP11B	ATP11B	7.503994	7.829115	8.031201	8.435222	8.601716	8.265753	8.238884	7.98407	8.230905	8.153228	7.772281	8.106065
ATP11C	ATP11C	8.585245	8.999172	8.610083	8.672998	8.302249	7.893906	7.686915	7.628346	7.687002	7.489971	7.491131	7.373778
ATP12A	ATP12A	7.06138	7.07252	7.03684	7.120248	6.91487	7.020126	6.830641	7.045667	6.825597	7.051185	6.838871	6.854647
ATP13A1	ATP13A1	9.251267	9.657502	8.901967	9.114721	8.805686	8.84955	8.470273	8.232386	8.659037	8.387089	8.00183	8.612635
ATP13A2	ATP13A2	7.989009	8.231501	7.535642	7.769806	7.562896	7.438893	7.330226	7.58823	7.356744	7.490951	7.863644	7.490233
ATP13A3	ATP13A3	6.963402	7.140795	6.920764	7.239006	7.026776	7.618556	7.451175	7.604534	7.358572	7.598439	7.34978	7.89032
ATP13A4	ATP13A4	6.872334	7.134053	6.763852	7.003045	6.909614	7.024093	6.872932	6.932701	6.837904	7.115399	6.823987	6.811997

ATP13A5	ATP13A5	6.891635	6.991703	6.762798	6.930591	6.837591	6.915341	6.696577	6.837737	6.806317	6.84041	6.694352	6.656968
ATP1A1	ATP1A1	10.82432	11.36657	10.7681	11.39426	11.69809	12.87095	12.46452	12.51662	11.86708	12.30192	11.97387	11.66222
ATP1A2	ATP1A2	8.107235	7.744323	7.324872	7.135672	7.159083	7.973995	8.389452	8.301993	8.385928	8.465431	7.518292	7.782563
ATP1A3	ATP1A3	7.017686	7.093449	6.706255	7.054899	6.929542	7.097944	6.84807	7.068163	6.973672	6.950992	6.85259	6.999477
ATP1A4	ATP1A4	6.89913	7.091792	6.867763	7.030484	6.935954	6.976939	6.863913	6.953765	6.904745	6.924138	6.808295	6.935074
ATP1B1	ATP1B1	10.00715	10.39633	10.49229	11.80204	12.39803	13.46028	12.93398	12.72896	12.61504	12.5552	12.42445	12.45205
ATP1B2	ATP1B2	8.785747	9.3927	8.53151	8.662675	8.68919	9.131652	9.051304	8.882702	8.845004	8.799152	8.147062	8.299495
ATP1B3	ATP1B3	11.17447	11.45597	10.68529	10.91487	10.55403	10.58672	10.60008	10.26561	10.65303	10.2851	10.26635	9.94859
ATP1B4	ATP1B4	6.807403	6.93248	6.84588	7.006257	7.105634	8.473246	9.587196	10.83731	11.45757	11.58987	10.86012	9.057923
ATP2A1	ATP2A1	7.002563	7.107951	6.850666	7.042473	6.962607	7.089272	6.851878	7.003887	6.880278	6.954524	6.833213	6.865818
ATP2A2	ATP2A2	10.47307	10.58262	9.895092	11.32018	12.37638	13.9232	13.42138	13.62489	13.32836	13.43214	12.86542	12.93317
ATP2A3	ATP2A3	7.265386	7.354622	6.821192	7.122933	6.897704	7.116646	7.031693	7.066087	7.068988	6.953432	6.907015	6.872698
ATP2B1	ATP2B1	7.274433	7.629173	7.704436	8.828221	8.332323	7.868986	7.458328	7.269916	7.553711	7.296617	7.03679	7.151789
ATP2B2	ATP2B2	6.898539	7.087689	6.772798	6.989889	6.92642	6.920814	6.875185	6.887728	6.891866	6.902592	6.789183	6.837048
ATP2B3	ATP2B3	6.848653	7.028767	6.835489	6.989499	6.864649	6.959557	6.883762	6.987793	6.90149	6.942914	6.783456	6.833339
ATP2B4	ATP2B4	7.682661	8.216472	8.449561	9.545128	9.582814	10.40253	10.5687	11.08699	10.66853	10.91205	10.9874	10.74168
ATP2C1	ATP2C1	8.785471	9.184526	8.692985	8.935382	8.842841	9.06174	8.625073	8.882081	8.684789	8.484357	8.797441	8.599573
ATP4A	ATP4A	7.055162	7.169435	6.985728	6.979675	6.922206	7.016075	6.845526	6.841698	6.898869	6.963756	6.787307	6.882672
ATP4B	ATP4B	6.88406	7.108404	6.86607	7.009391	6.911421	7.022059	6.904277	6.956184	6.889397	6.978848	6.759026	6.851729
ATP5A1	ATP5A1	14.36395	14.38838	13.91487	14.12831	14.35096	15.04986	14.62357	14.79288	14.58661	14.66335	14.4635	14.19495
ATP5B	ATP5B	14.62662	14.76993	14.16159	14.57155	14.5586	15.19916	15.0259	15.12454	14.97076	15.23991	14.98274	14.90442
ATP5C1	ATP5C1	12.42493	12.63926	12.29422	12.51694	12.7432	13.79944	13.44173	13.51708	13.54557	13.65078	13.4802	13.16771
ATP5D	ATP5D	10.31138	10.60268	9.603378	9.907331	10.22847	11.77978	11.21533	11.73048	11.25877	11.76263	11.91232	11.27967
ATP5E	ATP5E	13.45603	14.05921	13.7777	14.15085	14.47339	14.71172	14.66451	14.6425	14.88413	14.85254	14.87438	14.09624
ATP5F1	ATP5F1	11.8731	12.43657	11.69757	12.01948	12.12254	13.36888	12.8514	12.95936	12.99462	13.11711	12.88276	12.57932
ATP5G1	ATP5G1	10.69034	11.31549	10.02028	10.45842	11.05888	12.89909	12.26448	12.17541	12.16066	12.36752	12.13785	11.81543
ATP5G2	ATP5G2	10.90409	11.6092	10.74338	11.05845	11.32996	11.73427	11.4632	11.40563	11.41148	11.6156	11.46863	10.83143
ATP5G3	ATP5G3	8.026311	8.515823	7.818455	8.139741	8.422831	10.18908	9.155506	9.16731	9.146782	9.223052	8.998855	8.545997
ATP5H	ATP5H	12.96661	13.79237	13.21394	12.51104	12.9944	14.13376	13.88221	13.90435	14.04234	14.06732	13.74452	13.27592
ATP5I	ATP5I	12.26558	13.04774	12.18472	12.13505	12.40929	13.05884	12.93525	12.79719	12.96309	13.09011	12.90128	12.47927
ATP5J	ATP5J	12.23191	12.77693	12.17978	12.5891	12.99077	14.1023	13.78546	13.9157	13.84579	13.86855	13.69723	13.10228
ATP5J2	ATP5J2	11.93039	12.73598	12.08699	12.19178	12.09448	12.8288	12.63255	12.32131	12.65743	12.88293	12.63395	12.39178
ATP5L	ATP5L	12.03472	12.63156	12.06283	12.20675	12.56667	13.34723	13.06715	13.09955	13.22389	13.42087	13.22974	12.60919
ATP5O	ATP5O	13.0691	13.57725	12.91237	12.93243	13.25147	14.35865	13.95768	14.04336	14.13292	14.10499	13.85083	13.35114
ATP5S	ATP5S	8.490292	8.786454	8.424143	8.346167	8.659927	9.863328	9.304214	9.208276	9.244674	9.349954	9.095364	8.626055
ATP6AP1	ATP6AP1	11.58798	11.87694	11.50115	12.17009	12.09496	12.49534	12.12878	12.20633	12.29461	12.31149	12.0762	12.71072

ATP6AP2	ATP6AP2	11.42247	11.9293	11.33372	11.72779	11.64368	11.88591	11.5075	11.71983	11.64001	11.50563	11.89182	11.71009
ATP6V0A1	ATP6V0A1	10.44994	10.56535	9.567274	10.29061	10.32821	10.56613	10.42158	10.43675	10.38955	10.46547	10.15555	10.32868
ATP6V0A2	ATP6V0A2	9.094648	9.181698	9.31038	9.229589	8.910138	9.06229	8.744622	8.833698	8.636727	8.650552	8.54641	8.555782
ATP6V0A4	ATP6V0A4	6.996611	7.464112	6.827623	7.073225	6.982606	6.985199	6.898782	6.964795	6.925164	6.976329	6.822812	6.812114
ATP6V0B	ATP6V0B	10.40407	11.03566	10.43758	10.83454	10.67822	11.61122	11.16672	11.29469	11.3279	11.4499	11.67765	11.53951
ATP6V0C	ATP6V0C	11.56592	11.80651	10.91894	11.36532	11.34636	11.90248	11.52773	11.59481	11.65377	11.7225	11.56739	11.51901
ATP6V0D1	ATP6V0D1	9.277025	9.650096	9.105851	9.68782	9.61192	10.68987	10.17163	10.59494	10.28876	10.60446	10.7623	10.55366
ATP6V0D2	ATP6V0D2	7.058374	7.292894	7.013511	7.312328	7.127478	7.134463	7.074796	7.085916	7.017415	7.159526	6.872776	7.072835
ATP6V0E1	ATP6V0E1	11.32366	12.30049	11.71014	11.99149	11.92698	12.63728	12.21939	12.22088	12.42252	12.2828	12.39902	11.97016
ATP6V0E2	ATP6V0E2	10.3191	10.50864	9.126404	9.872654	10.3704	11.54019	11.51591	11.50231	11.62349	11.56294	11.22844	11.53612
ATP6V1A	ATP6V1A	12.11134	12.42951	11.25432	11.68686	11.76658	11.94259	11.15045	11.01901	11.26493	10.82945	10.82747	10.81556
ATP6V1B1	ATP6V1B1	7.000657	7.161303	7.100872	7.331116	7.326846	7.103309	6.946945	6.962677	7.094434	7.019406	6.924146	6.976315
ATP6V1B2	ATP6V1B2	10.98505	11.1622	10.80022	11.08124	10.89587	11.60722	10.90796	11.40082	11.14713	11.19499	11.62113	11.18582
ATP6V1C1	ATP6V1C1	7.995967	8.286413	7.580123	7.995429	7.780974	8.552792	7.741404	7.796172	7.729097	7.795455	7.593339	7.757392
ATP6V1C2	ATP6V1C2	6.846501	7.030228	6.768695	7.033068	6.87269	6.904747	6.788551	6.957171	6.936955	6.843914	6.76459	6.757758
ATP6V1D	ATP6V1D	11.41908	11.87628	11.50469	11.79896	11.68106	12.80558	12.10236	12.31498	12.3086	12.36322	12.33789	12.15173
ATP6V1E1	ATP6V1E1	11.51854	11.93372	11.85585	11.87015	11.7813	12.76467	12.47633	12.71443	12.76694	12.87367	12.58598	12.63294
ATP6V1E2	ATP6V1E2	7.77298	7.740038	7.637649	7.603487	7.363348	7.401514	7.291744	7.446347	7.240103	7.467536	7.163012	7.480478
ATP6V1F	ATP6V1F	10.87534	11.39025	11.01785	11.4672	11.62015	12.03532	11.82013	11.87263	12.03024	12.10419	12.07111	11.64881
ATP6V1G1	ATP6V1G1	12.2391	12.88655	12.55923	12.43378	12.53233	12.96825	12.59308	12.54634	12.89809	12.65544	12.40245	12.28645
ATP6V1G2	ATP6V1G2	7.384271	7.848812	7.275176	7.580159	8.043267	10.14574	9.370272	9.579019	9.357497	9.462079	8.839687	8.334139
ATP6V1G3	ATP6V1G3	6.861283	7.064517	6.900017	6.957961	6.93047	6.980499	6.889825	6.957166	6.922448	6.90612	6.767428	6.92006
ATP6V1H	ATP6V1H	8.668055	9.150351	8.595185	9.063843	8.828728	9.830104	9.260154	9.510247	9.169421	9.668216	9.565046	9.729743
ATP7A	ATP7A	6.958968	7.177732	6.972539	7.648406	7.896866	8.152866	7.818718	7.76719	7.771565	7.654917	7.72904	7.636627
ATP7B	ATP7B	7.453274	7.524165	7.449515	9.583223	10.85749	8.214762	7.74505	8.126753	8.014899	7.760468	7.747992	7.376797
ATP8A1	ATP8A1	6.968194	7.198698	7.248674	7.090471	7.027969	7.142989	7.013661	7.049749	6.973964	7.004207	6.804673	6.900344
ATP8A2	ATP8A2	7.202898	7.259782	6.923862	7.15313	6.970972	7.108064	7.010379	7.156222	7.069757	7.107997	6.896294	6.984303
ATP8B1	ATP8B1	7.02111	7.360461	6.93075	7.170581	7.074613	7.008098	6.919441	7.067932	7.086239	7.106416	7.001252	6.978808
ATP8B2	ATP8B2	7.609979	8.016205	7.373212	7.761348	7.709944	7.827951	7.737981	7.68062	7.644728	7.579521	7.530214	7.448091
ATP8B3	ATP8B3	7.190764	7.063947	6.853527	7.003018	6.963995	7.013646	6.92478	6.906261	6.993325	6.949221	6.744629	6.875776
ATP8B4	ATP8B4	7.154781	7.395634	8.193548	8.165898	7.821921	7.138715	6.96014	7.052726	7.116561	7.079834	6.960754	7.500283
ATP9A	ATP9A	8.846498	9.603288	9.210829	10.05098	10.36529	9.549797	9.669339	9.724071	10.2548	9.695831	9.719429	9.886836
ATP9B	ATP9B	7.239944	7.657375	7.35492	7.564702	7.460505	7.446189	7.255485	7.260614	7.174193	7.17591	7.029127	7.130407
ATPAF1	ATPAF1	10.17362	10.70448	9.624787	10.18081	10.20155	11.20854	10.9564	10.9169	10.8553	11.0544	10.44517	10.67583
ATPAF2	ATPAF2	7.552695	7.991273	7.539201	7.685305	7.798002	8.478591	8.038413	8.235041	8.05345	8.222303	8.250289	8.350874
ATPBD1B	ATPBD1B	9.536371	9.834117	9.457266	9.674709	9.615119	10.20432	9.701704	9.428084	9.627488	9.592759	9.193106	9.514247

ATPBD1C	ATPBD1C	6.903525	7.137853	6.893858	7.063736	6.975995	7.040643	6.994647	6.945335	7.067329	7.059984	6.780278	7.081005
ATPBD3	ATPBD3	7.360649	7.660446	7.259841	7.417274	7.499103	7.686607	7.377407	7.284588	7.389037	7.247437	7.105116	7.229776
ATPBD4	ATPBD4	8.483056	8.840222	7.873124	7.633112	7.378678	7.692549	7.532244	7.553689	7.580679	7.528093	7.254552	7.445264
ATPIF1	ATPIF1	9.16349	10.16663	9.116348	9.295455	9.569818	10.80125	10.66851	10.43138	10.81048	11.05126	10.65546	10.73524
ATR	ATR	6.865116	7.053247	6.846065	7.033549	6.884654	6.981	6.835376	6.959296	6.872591	6.910268	6.733861	6.898122
ATRN	ATRN	7.405819	7.54771	7.396808	7.82914	7.747983	7.738595	7.560128	7.72544	7.664386	7.594209	7.589765	7.678243
ATRNL1	ATRNL1	6.83464	6.933201	6.751426	7.093775	6.941713	7.310523	6.899414	6.832294	6.839233	6.827307	6.744189	6.747153
ATRX	ATRX	6.968366	7.10368	6.909873	7.178855	7.029572	7.184522	6.967195	7.019063	6.995759	6.957117	6.761085	6.886153
ATXN1	ATXN1	7.084863	7.586983	7.084071	7.692283	7.987123	8.328247	8.597369	8.454566	8.589967	8.49911	8.229286	8.589739
ATXN10	ATXN10	7.585003	7.850355	7.581922	7.945957	7.869264	8.171194	7.795459	7.832892	7.851743	7.98218	7.5411	7.620473
ATXN2	ATXN2	10.72564	11.18196	10.41932	11.23584	11.21705	11.51886	10.91996	11.08317	10.91446	10.85284	10.89979	10.753
ATXN2L	ATXN2L	7.291957	7.454763	7.139505	7.427622	7.245899	7.220041	7.170043	7.190753	7.168794	7.086947	6.933065	7.029191
ATXN3	ATXN3	8.549171	9.088614	8.465722	8.484068	8.415901	8.788948	8.453802	8.415279	8.551688	8.23382	7.813194	8.127231
ATXN3L	ATXN3L	6.817075	6.908412	6.773906	6.913482	6.810749	6.93653	6.827561	6.865926	6.898814	6.821448	6.784898	6.777282
ATXN7	ATXN7	6.889793	7.054388	6.81145	7.055063	6.994192	6.86503	6.899549	6.894678	6.916556	6.865398	6.700634	6.873494
ATXN7L2	ATXN7L2	7.68211	8.084642	7.797586	7.718105	7.486673	7.80968	7.324498	7.433763	7.399308	7.521196	7.183886	7.040446
ATXN7L4	ATXN7L4	6.988983	7.134902	6.815468	6.955239	7.016391	6.922312	6.868597	7.072933	6.95388	7.029111	6.838624	6.786743
ATXN8OS	ATXN8OS	6.828484	7.012708	6.721304	6.988821	6.975255	6.955527	6.773789	6.897435	6.890809	6.931035	6.71595	6.783091
AUH	AUH	9.093279	9.393346	8.617588	8.581514	8.942758	9.762091	9.393323	9.526045	9.352871	9.51516	9.432895	8.998728
AUP1	AUP1	7.86943	8.162746	7.758424	7.918929	7.904052	8.127966	7.860577	7.818751	7.998621	8.009086	7.944584	7.98969
AURKA	AURKA	11.18634	11.25807	10.7959	10.85565	10.3669	11.17572	10.53239	10.65623	10.32785	10.28844	9.847335	8.961952
AURKAIP1	AURKAIP1	12.43984	13.07038	12.18181	12.35326	12.29988	12.89705	12.75276	12.48172	12.71439	12.83772	12.54497	12.55014
AURKB	AURKB	11.06157	11.08808	10.31798	10.39245	9.726979	9.322927	8.923696	8.858045	8.741636	8.654316	8.082203	7.459305
AURKC	AURKC	7.098856	7.331096	6.870721	7.064605	6.947964	6.974457	6.859454	6.979089	6.831841	6.938952	6.797053	6.838679
AUTS2	AUTS2	11.92102	12.6065	10.22078	10.54521	10.46611	10.33727	10.27401	10.58253	11.31944	10.89124	9.655426	9.26727
AVEN	AVEN	8.150217	8.640465	8.486489	8.256151	8.225712	8.661059	8.529388	8.355422	8.424119	8.424264	8.559556	8.373717
AVIL	AVIL	6.974463	7.172108	6.798005	7.112811	7.104109	7.192256	7.150751	7.223941	7.151036	7.400096	7.260853	6.975298
AVP	AVP	7.127196	7.301151	6.960115	7.204442	7.223858	7.34619	7.342921	7.342327	7.278648	7.357993	7.082917	7.237755
AVPI1	AVPI1	9.864868	9.736517	8.912662	8.940699	9.028533	10.35878	9.654394	9.640862	9.745927	10.05284	9.569365	9.994384
AVPR1A	AVPR1A	6.965496	7.105987	6.868226	7.004557	6.820366	6.938124	6.804608	6.929427	6.874653	6.967541	6.751347	6.757095
AVPR1B	AVPR1B	7.005196	7.268022	6.964963	7.074624	6.999036	7.114449	6.94662	6.954551	6.93597	7.020085	6.751217	6.859266
AVPR2	AVPR2	7.014366	7.279333	6.887465	7.050583	6.987277	7.065433	7.025017	7.083715	6.899651	7.014633	6.934513	6.941788
AXIIR	AXIIR	6.944832	7.128743	7.786593	7.421957	7.219813	7.327902	7.124438	7.246891	7.171784	7.173912	7.259647	7.145558
AXIN1	AXIN1	8.9501	8.806404	8.325018	8.598638	8.383665	8.239365	7.82047	8.146568	7.952214	8.08257	8.400707	8.110591
AXIN2	AXIN2	9.609758	10.47917	10.27199	10.28891	10.27787	11.67096	10.15017	9.601172	9.209554	8.863322	8.210002	8.213412
AXL	AXL	9.386523	9.925096	8.682783	10.58264	10.48325	10.26094	9.316495	9.132354	9.274046	8.994522	9.964231	10.00746

AXUD1	AXUD1	9.228163	9.894938	9.683741	10.83688	10.17107	10.97182	9.220657	9.277328	9.344229	9.491544	9.606095	9.731803
AYP1	AYP1	7.013055	7.281018	6.840957	7.162265	7.077175	7.230032	7.044554	7.06037	7.066024	7.180948	6.839922	6.946187
AYP1P1	AYP1P1	7.995821	8.958646	8.580682	8.721836	8.718272	9.055046	9.036574	8.91157	9.204726	9.288029	8.790046	8.741651
AYTL1	AYTL1	7.110773	7.413195	7.107589	7.281475	7.379226	7.195414	7.155863	7.221645	7.281763	7.264842	7.182355	7.225706
AYTL2	AYTL2	10.65482	11.15721	9.77523	9.767525	9.011874	7.955068	8.157692	7.873005	8.239053	7.890409	7.740529	7.963224
AZGP1	AZGP1	6.980682	7.177887	6.783781	7.127842	7.067238	7.185769	7.036386	7.023958	7.058336	7.045814	6.95813	7.133846
AZI1	AZI1	9.320541	9.370117	8.557666	9.011	9.05384	8.346618	8.23633	8.020778	8.191599	7.982693	7.447823	7.703699
AZI2	AZI2	8.037636	8.472417	8.426587	8.757207	8.886969	8.881309	8.515372	8.315339	8.545532	8.348039	8.067072	8.191945
AZIN1	AZIN1	11.42	11.86878	10.8409	10.69911	10.49499	10.98934	10.46173	10.64562	10.55931	10.71314	10.58854	10.03951
AZU1	AZU1	6.833827	7.112931	6.663815	6.881655	6.961991	6.976817	6.908113	6.949223	6.768418	7.014761	6.730891	6.853431
B2M	B2M	10.36199	11.53936	10.92385	11.44725	11.64359	12.81142	13.11681	13.1721	13.54093	13.65333	13.61248	13.77508
B3GALNT1	B3GALNT1	8.514769	8.731502	8.843572	8.902052	8.493125	9.198458	9.116166	9.289751	9.170613	9.39892	8.591107	9.054273
B3GALNT2	B3GALNT2	7.704691	7.876115	7.64506	7.661617	7.411478	7.730139	7.490131	7.479154	7.42939	7.36244	7.289704	7.285234
B3GALT1	B3GALT1	7.036074	7.182894	6.976139	7.066624	7.004425	7.142427	7.05336	6.954433	7.005243	6.971521	6.873676	6.881066
B3GALT2	B3GALT2	6.852995	7.069072	6.987311	7.151157	6.968995	7.014557	6.976934	7.083563	7.11443	7.486149	7.104659	7.842417
B3GALT3	B3GALT3	7.020565	7.223856	7.039477	7.220743	7.044929	7.400088	7.189576	7.22205	7.237153	7.418035	7.033265	7.179783
B3GALT4	B3GALT4	7.175667	7.254981	6.999119	7.124022	7.097405	7.714172	7.525559	7.489889	7.488224	7.570908	7.570401	7.426503
B3GALT5	B3GALT5	6.93865	7.072806	6.834713	7.036484	6.943537	6.976572	6.86335	6.907533	6.904747	6.855423	6.775503	6.786897
B3GALT6	B3GALT6	8.232379	8.736993	8.634713	9.41572	9.31932	9.547981	9.167369	9.097732	9.142063	8.999246	9.05908	8.744263
B3GALT7	B3GALT7	7.136352	7.40073	7.097296	7.303125	7.216172	7.411593	7.277252	7.234321	7.248863	7.365378	7.16776	7.150763
B3GAT1	B3GAT1	7.89932	8.293826	7.706865	7.246747	7.122512	7.218403	7.135446	7.163297	7.266326	7.076981	6.894785	6.912177
B3GAT2	B3GAT2	6.897617	7.041301	6.784666	7.118201	6.830737	6.999264	6.831768	6.825545	6.893977	6.907987	6.732641	6.819302
B3GAT3	B3GAT3	7.645294	7.615584	7.386341	7.79637	7.670769	7.733265	7.531784	7.756028	7.695764	7.622171	7.954283	7.734003
B3GNT1	B3GNT1	8.361457	8.489399	8.273419	8.129228	7.899312	9.22762	8.279631	8.876365	8.44955	8.514606	8.610711	8.305557
B3GNT3	B3GNT3	6.982812	7.102947	6.834546	7.213329	7.083697	7.082809	6.963528	7.079516	6.976046	6.95473	6.961098	6.991702
B3GNT4	B3GNT4	7.098932	7.274426	7.036505	7.164402	7.002913	7.095225	6.982118	6.859312	6.813875	6.954371	6.923099	6.867936
B3GNT5	B3GNT5	6.925234	7.413035	7.29716	7.480475	7.235022	6.989904	6.932771	6.979792	7.061435	6.942582	6.996517	6.955351
B3GNT6	B3GNT6	8.854246	8.508598	8.40426	9.060003	9.369949	9.373569	9.246662	9.618131	9.235287	9.496227	9.383453	9.63281
B3GN-T6	B3GN-T6	6.892052	7.154886	6.734769	7.040618	6.867659	7.193563	6.809791	6.952752	7.122692	7.077747	6.920897	6.871775
B3GNT7	B3GNT7	6.918397	7.033891	6.777331	6.964613	6.95567	6.929169	6.789528	6.957476	6.797321	6.890912	6.761862	6.792202
B3GNTL1	B3GNTL1	6.95481	7.291098	7.051914	7.163602	7.132413	7.176012	6.999668	6.992047	7.083284	7.085062	6.915181	6.957626
B3GTL	B3GTL	7.305195	7.692019	8.421655	8.192297	7.829789	7.800278	7.737595	7.918655	8.100157	7.807259	7.774484	7.655747
B4GALNT2	B4GALNT2	6.85307	7.075783	6.839058	7.002122	6.956881	6.859927	6.783734	6.894566	6.79308	6.847116	6.834706	6.8575
B4GALNT3	B4GALNT3	6.803015	6.862983	6.810902	6.9135	6.874338	7.043044	7.043982	6.930632	6.750349	7.131511	6.778959	6.899273
B4GALNT4	B4GALNT4	8.238655	8.403943	7.723602	8.398738	8.517544	7.620199	7.367557	7.440688	7.713323	7.320514	7.345057	7.062281
B4GALT1	B4GALT1	7.701425	7.808873	8.100071	8.67025	8.454841	7.754642	7.824497	7.697656	7.823281	7.832207	7.953483	8.061478

B4GALT2	B4GALT2	6.974836	7.228494	6.915771	7.212189	7.112917	7.123121	7.012841	7.086704	6.984036	7.012683	6.871969	7.070448
B4GALT3	B4GALT3	10.07466	10.15491	9.606459	10.02236	10.14087	9.810856	9.480648	9.577633	9.510768	9.630519	9.57323	9.467456
B4GALT4	B4GALT4	9.129942	9.459146	9.017379	9.531421	8.613801	8.654099	8.232873	8.328537	8.298958	8.14426	8.304562	8.443609
B4GALT5	B4GALT5	10.93429	11.44031	10.44308	10.65975	10.45809	10.08437	10.4018	10.47801	10.37803	10.3244	10.73239	9.837222
B4GALT6	B4GALT6	7.868878	7.629174	7.34595	7.877297	7.618067	7.4063	7.258529	7.130253	7.257489	7.076505	7.007362	7.186953
B4GALT7	B4GALT7	9.014052	9.629281	9.176243	9.502942	9.639521	9.280282	9.105535	9.06583	9.25445	9.06522	9.324565	9.454319
BA16L21.2	BA16L21.2	8.912326	9.089838	8.67447	9.013101	9.240169	9.469853	8.899955	8.95301	8.955057	8.780157	8.519314	8.828238
BA9F11.1	BA9F11.1	6.728581	6.965099	6.821453	6.954871	6.838829	7.003998	6.719328	6.889456	6.835886	6.914619	6.710096	6.759523
BAALC	BAALC	7.211919	7.299531	7.444794	8.063784	7.636005	7.308678	7.213543	7.189988	7.632176	7.18028	6.92689	7.073047
BAAT	BAAT	6.824682	7.116577	6.767964	7.090966	6.874236	7.002834	6.788309	6.935898	6.809141	6.94008	6.683287	6.703166
BACE1	BACE1	7.007556	7.195412	7.141217	7.49507	7.457791	7.624749	7.478713	7.454446	7.427982	7.454021	7.51557	7.579926
BACE2	BACE2	7.050387	7.352197	7.137927	7.093482	7.050763	7.073441	7.140237	7.134164	7.338624	7.242279	7.104296	7.250809
BACH1	BACH1	7.018665	7.197744	6.954776	7.066505	7.015039	7.11412	7.022565	7.084384	7.034822	6.966471	6.927461	6.970864
BACH2	BACH2	7.143544	7.788162	7.164754	7.837129	7.777648	7.824883	7.714142	7.650374	7.834168	7.608028	7.361683	7.294434
BAD	BAD	7.412872	7.675944	7.401885	7.789103	7.960824	8.172562	8.111652	8.268273	8.197694	8.327418	8.261994	8.019381
BAG1	BAG1	7.076941	7.310096	6.991644	7.194411	7.179314	7.203926	7.030525	7.162951	7.055072	7.162133	6.950561	7.084485
BAG3	BAG3	8.873767	9.324706	9.68169	10.38424	10.15974	11.72274	10.99731	11.30859	11.02701	11.48567	11.43374	11.42992
BAG4	BAG4	7.833425	8.108485	7.701314	7.973595	7.558629	7.761934	7.402265	7.279458	7.390414	7.392295	7.189662	7.446312
BAG5	BAG5	9.001492	9.3114	8.661354	8.704115	8.531853	8.791068	8.314814	8.329878	8.379493	8.401754	8.401173	8.403454
BAGE	BAGE	7.077921	7.34631	7.053655	7.206771	7.207803	7.304237	7.116703	7.095778	7.154033	6.962377	6.932769	7.085015
BAGE2	BAGE2	6.952847	6.994683	6.834016	7.177192	7.031836	7.098372	6.924732	6.970873	6.860938	6.966234	6.67493	7.048821
BAGE3	BAGE3	7.061107	7.203712	6.828438	7.164528	7.040303	7.036986	6.921157	7.019936	7.046922	7.004999	6.918662	7.066131
BAGE4	BAGE4	6.864251	6.989531	6.784705	7.02043	6.873524	6.855188	6.764025	6.912945	6.894004	6.804866	6.743693	6.828713
BAGE5	BAGE5	7.293863	7.485375	7.119737	7.480401	7.294838	7.578592	7.263539	7.295868	7.303329	7.279973	7.051307	7.249762
BAHD1	BAHD1	6.953933	7.211632	6.893633	7.096021	7.061204	7.17401	6.909079	6.992473	6.984203	7.192718	6.934951	6.967523
BAI1	BAI1	7.041952	7.167471	6.887877	7.039694	6.972953	6.997955	6.905664	6.940239	6.843314	6.942712	6.809466	6.864442
BAI2	BAI2	6.966583	7.142342	6.901003	7.088197	7.249795	8.224734	7.883991	7.957738	7.641943	7.712036	7.397827	7.352581
BAI3	BAI3	6.853023	6.977472	6.787095	7.197501	7.232766	6.973573	6.912368	7.009987	7.443663	6.844921	6.80343	6.880081
BAIAP2	BAIAP2	7.102915	7.353629	7.069124	7.336708	7.265522	7.338393	7.120576	7.199416	7.161775	7.150587	7.14113	7.027742
BAIAP2L1	BAIAP2L1	9.945921	9.79636	9.220678	10.06682	9.793113	8.973592	7.602978	7.333303	7.299778	7.009315	7.225048	7.266793
BAIAP2L2	BAIAP2L2	9.189426	9.668119	7.92749	7.935703	8.107238	7.548833	7.354222	7.273015	7.347472	7.15643	6.778455	7.081444
BAIAP3	BAIAP3	6.907588	7.093454	6.840973	6.997748	6.916871	6.82553	6.850983	6.874499	6.870787	6.869503	6.810999	6.67347
BAK1	BAK1	7.650981	8.238638	7.522709	7.650962	7.812744	8.68385	8.391946	8.177538	8.060321	8.34695	8.374149	8.460334
BAMBI	BAMBI	10.99891	11.96962	12.91644	14.14241	13.96187	14.50305	14.28086	13.81191	13.82061	13.81242	13.11489	12.94436
BANF1	BANF1	10.81973	11.11167	10.61424	10.68994	10.67897	11.64189	10.94983	11.20361	10.85672	11.19325	11.40668	10.48313
BANK1	BANK1	7.022605	7.172952	6.832098	7.105624	7.027354	7.029945	6.885112	6.970838	6.931865	6.913546	6.847787	6.700466

BANP	BANP	9.5022	9.949343	9.06543	9.491814	9.303229	9.677326	9.185861	9.214311	9.281626	8.988166	8.742222	8.849786
BAP1	BAP1	8.223354	8.215142	7.973298	8.366038	8.081528	8.174613	7.825154	7.912483	7.802435	8.082257	7.976004	7.96546
BAPX1	BAPX1	7.637812	8.173765	8.36512	9.303061	9.17357	9.165887	8.526667	8.329519	8.501523	8.128196	7.901796	8.339152
BARD1	BARD1	9.854842	9.915869	9.934137	10.20028	9.579246	10.40461	9.559711	9.524245	9.424539	9.255534	8.229939	8.502709
BARHL1	BARHL1	6.803551	7.021368	6.819194	6.991078	6.98419	6.941489	6.865283	6.952193	7.267567	6.912159	6.807371	6.773639
BARHL2	BARHL2	6.990164	7.064535	6.799872	7.061747	6.957785	7.027095	6.835847	7.012158	6.896264	6.984319	6.8054	6.915229
BARX1	BARX1	6.953179	7.10798	6.789782	7.000692	6.994265	6.93721	6.922663	6.922492	6.983474	7.013486	6.85756	6.829213
BARX2	BARX2	7.000324	7.219894	6.902519	7.235424	7.053056	6.955434	6.948335	6.849061	7.284905	6.891434	6.881133	6.946019
BASP1	BASP1	12.49724	13.23963	12.05193	12.3915	12.48296	11.1362	10.4923	10.30021	11.58834	9.584191	11.05302	9.559513
BAT1	BAT1	10.83435	11.25125	10.82755	10.8773	10.66057	10.96139	10.27439	10.31843	10.26831	10.13954	10.17305	9.75866
BAT2	BAT2	9.374573	9.298118	8.616829	8.917759	8.73336	8.714226	8.486624	8.588044	8.315961	8.451927	8.693599	8.34677
BAT2D1	BAT2D1	11.02147	11.21922	10.78326	11.22687	10.71003	10.49014	9.834051	9.854463	9.90068	9.482235	9.582896	9.449035
BAT3	BAT3	8.846174	9.180091	8.512965	9.06288	8.699953	9.259981	9.161072	9.250183	9.036701	9.388338	9.137399	9.239654
BAT4	BAT4	7.320853	7.758207	7.308712	7.448574	7.309191	7.4743	7.322387	7.371039	7.288599	7.474199	7.246403	7.267265
BAT5	BAT5	8.597595	9.316987	9.120532	9.253245	9.091646	9.570808	9.21706	9.423708	9.352326	9.475579	9.692983	9.280257
BATF	BATF	6.903897	6.990955	6.74537	6.966832	6.981519	6.914722	6.767431	6.961373	6.881476	6.970322	6.887521	6.753513
BATF2	BATF2	7.005197	7.163826	6.806718	7.083425	6.988081	7.00413	6.984041	6.961873	6.975566	6.971829	6.939602	6.97474
BAX	BAX	9.1558	9.829073	8.873749	8.767582	8.977333	9.356478	8.781595	8.537011	8.388557	8.20526	8.541016	8.459633
BAZ1A	BAZ1A	8.730179	8.764399	9.16975	9.163846	8.792706	9.07737	8.258253	8.195977	8.32143	7.947384	8.087852	7.871607
BAZ1B	BAZ1B	8.877089	9.111572	8.518335	9.023518	8.71142	8.564922	8.141165	8.271223	8.226603	8.140119	8.019302	8.026071
BAZ2A	BAZ2A	6.903452	7.04327	6.888142	6.968652	6.960098	6.99654	6.908989	6.948789	6.969091	6.967098	6.774672	6.947017
BAZ2B	BAZ2B	9.542424	10.26712	9.74692	10.31549	10.19281	10.40485	9.760818	9.565413	9.626769	9.242044	8.68251	9.025468
BBC3	BBC3	6.968336	7.251728	6.899514	7.050069	6.926978	7.040998	6.969301	6.926195	6.924885	6.92388	6.817054	6.914997
BBOX1	BBOX1	6.855713	7.171047	6.873672	7.127365	7.004628	7.110969	7.064017	7.027555	7.043142	7.034348	6.947251	7.232572
BBS1	BBS1	8.0687	8.683658	8.260403	8.842355	9.098473	9.641473	9.13941	9.289106	8.962653	8.970385	8.75026	8.755893
BBS12	BBS12	7.157511	7.368652	7.313356	7.703534	7.450493	7.577471	7.550913	7.56254	7.628882	7.551839	7.329474	7.573834
BBS2	BBS2	8.318854	8.370642	8.542763	8.832404	9.089774	9.132244	8.925362	9.099597	8.994833	8.958455	8.921717	9.031826
BBS4	BBS4	8.784772	9.027368	8.649823	8.953571	9.08727	9.240698	9.121569	9.158416	9.187138	9.144465	8.843234	8.730092
BBS5	BBS5	6.914187	7.132969	6.895357	7.0664	7.040321	7.129	7.017011	7.031429	7.041681	7.040435	6.903692	6.979265
BBS7	BBS7	7.468555	7.758693	7.509428	7.810133	7.754906	7.928099	7.602479	7.565567	7.620946	7.548232	7.472108	7.526697
BBS9	BBS9	7.181411	7.363864	7.01191	7.413107	7.038174	7.171551	7.189299	7.123115	7.294932	7.470172	7.592296	7.396685
BBX	BBX	9.960667	10.45671	10.17687	10.1911	10.20056	10.78015	9.95756	10.02078	9.914846	9.729109	9.655828	10.2528
BC002942	BC002942	8.087758	8.353625	8.218161	8.780206	8.849554	8.701005	8.443068	8.760157	8.623899	8.528766	9.143921	8.338417
BC37295_	BC37295_	6.824862	6.966758	6.605135	6.867861	6.854032	6.78324	6.748448	6.863483	6.827438	6.941053	6.701549	6.780107
BCAM	BCAM	6.936703	7.062204	6.858734	7.084032	6.936823	7.025739	6.999378	7.149513	7.038052	7.22221	7.085202	7.128104
BCAN	BCAN	7.298492	7.451249	6.889201	7.122286	7.061799	7.074213	7.031435	7.061098	7.041181	7.078306	6.920854	6.95046

BCAP29	BCAP29	7.498142	7.966724	7.875845	8.119282	8.160879	9.007216	8.695025	9.022162	8.864472	8.961535	9.202476	8.885814
BCAP31	BCAP31	10.98204	11.35456	11.21232	11.42136	11.039	11.72296	11.20898	11.33928	11.12297	11.27772	11.58582	11.38904
BCAR1	BCAR1	8.186882	8.176158	7.902804	8.373952	8.292353	8.709192	8.3267	8.791472	8.359855	8.6136	9.043475	8.615266
BCAR3	BCAR3	7.867587	7.91732	9.310229	8.991847	8.418043	7.598726	7.60919	7.749681	7.743197	7.602878	8.579208	8.148707
BCAS1	BCAS1	6.873635	7.158869	6.917991	7.101263	6.966468	7.210446	6.89202	6.968634	7.015155	7.076589	6.829016	6.931384
BCAS2	BCAS2	7.209309	7.721439	7.287586	7.265979	7.333587	7.356572	7.359174	7.208086	7.293993	7.411534	7.160833	7.232904
BCAS3	BCAS3	6.915062	7.10606	6.783848	7.245521	7.025824	7.045988	7.046849	7.137297	7.074021	7.126186	6.842799	7.00184
BCAS4	BCAS4	9.149611	9.343879	8.056469	8.509947	8.88049	8.824854	8.251925	8.154386	8.227914	8.280917	8.328293	8.318306
BCAT1	BCAT1	11.37685	11.80084	10.25742	10.84312	10.62474	8.448581	8.490179	8.859964	9.465763	8.731129	9.949309	9.760229
BCAT2	BCAT2	9.444026	9.176277	8.186447	9.243575	9.767099	10.44948	10.07761	10.01358	9.682688	9.588325	9.702235	9.636633
BCCIP	BCCIP	10.34825	10.70879	10.22182	9.735937	9.546797	10.13451	9.324853	9.425008	9.535743	9.453943	9.463485	9.177384
BCDIN3	BCDIN3	9.839473	10.56902	9.878632	9.820362	9.951701	9.93555	9.578468	9.416436	9.423303	9.508595	9.308807	9.282941
BCDO2	BCDO2	6.829508	6.854412	6.759508	7.085872	7.174334	7.832913	7.332347	7.419668	7.473825	7.459712	7.058877	6.969764
BCHE	BCHE	7.333061	7.183334	7.212052	7.49865	7.523178	7.286862	7.628587	7.766991	8.4443	7.968653	7.75345	7.96801
BCKDHA	BCKDHA	10.79182	10.62793	10.16314	10.49043	10.77132	11.32232	11.10857	11.05839	11.09604	11.25492	10.41059	11.45241
BCKDHB	BCKDHB	8.22792	8.32047	7.914011	8.292314	8.264291	8.149547	7.814605	7.884991	7.74586	7.691889	7.621168	7.763274
BCKDK	BCKDK	11.49637	11.53641	11.01529	11.33232	11.2756	11.35099	11.19429	11.13542	11.15702	11.25813	10.81058	11.30468
BCL10	BCL10	7.707318	7.807055	7.446797	7.456231	7.419607	7.643475	7.272111	7.685573	7.464326	7.528339	7.78991	7.638223
BCL11A	BCL11A	8.885666	9.976355	7.880974	7.967117	9.370323	8.19591	8.265607	8.117154	8.582538	8.029294	7.534106	7.722389
BCL11B	BCL11B	7.383812	7.728272	7.155967	7.116519	6.998592	6.993703	6.924771	6.977937	7.242502	6.942086	6.904512	6.833532
BCL2	BCL2	7.115004	7.286643	6.884903	7.195281	7.423962	7.29427	7.07765	7.128113	7.435522	7.071397	6.892619	6.89129
BCL2A1	BCL2A1	7.282786	7.68957	7.182199	7.479316	7.432811	7.705735	7.3442	7.422896	7.411112	7.385476	7.201824	7.373196
BCL2L1	BCL2L1	9.654093	9.945704	9.507807	9.796347	9.920547	10.11308	9.282213	9.750789	9.389128	9.539868	10.11112	9.310833
BCL2L10	BCL2L10	6.908099	7.035887	6.782084	7.071741	6.960159	7.226369	7.036105	7.052741	7.090977	7.046191	6.854505	6.875566
BCL2L11	BCL2L11	7.063213	7.268764	6.917028	7.138909	6.952928	7.1719	6.991291	6.996196	6.976487	7.015311	6.881991	6.918138
BCL2L12	BCL2L12	10.56979	10.98886	10.01801	9.877283	9.41191	9.259537	8.961841	8.942326	8.968147	8.982037	8.605507	8.299536
BCL2L13	BCL2L13	10.09944	10.46064	9.867374	10.12037	10.20773	10.71414	10.3647	10.67927	10.29488	10.53784	10.79435	10.30641
BCL2L14	BCL2L14	6.935787	7.108509	6.810095	7.037419	6.907554	7.027308	6.840768	7.011511	6.878098	6.965381	6.733761	6.837857
BCL2L2	BCL2L2	8.621796	8.574708	8.55522	8.866138	9.264703	9.61739	9.367176	9.458112	9.514629	9.704003	9.590641	9.351742
BCL3	BCL3	7.140227	7.364379	7.152611	7.326011	7.438494	7.85044	7.62714	7.984103	7.907648	8.125503	8.792304	8.255662
BCL6	BCL6	7.855884	7.894642	7.375234	7.736441	7.646078	8.565988	8.159538	8.407847	8.499785	8.780114	9.076889	8.95858
BCL6B	BCL6B	7.469234	7.543096	7.045848	7.269733	7.118535	7.115935	7.032029	7.033407	6.964804	7.135484	7.013865	7.014813
BCL7A	BCL7A	7.07508	7.153803	6.877442	7.242102	7.06786	7.128615	6.960329	7.034867	7.027471	7.00808	6.811517	6.873939
BCL7B	BCL7B	7.775535	7.939256	7.708509	7.779546	7.717951	8.189963	8.006388	8.204867	7.981522	8.228202	8.311141	8.145619
BCL7C	BCL7C	7.720136	8.049533	8.640142	8.612872	8.617601	8.733623	8.385531	8.53717	8.335124	8.404885	8.675671	8.022362
BCL9	BCL9	10.08288	10.22314	10.06528	10.34533	9.741188	9.180503	8.97854	9.016505	9.157543	8.923333	8.332885	8.585009

BCL9L	BCL9L	7.438592	7.511684	7.204278	7.481821	7.550841	7.399555	7.262798	7.456555	7.428309	7.318356	7.406224	7.144266
BCLAF1	BCLAF1	11.00269	11.5038	11.41535	11.3808	11.04502	11.26951	10.39524	10.47416	10.52649	10.23948	9.92418	9.948757
BCMO1	BCMO1	6.826626	6.985883	6.78913	7.044302	7.074253	7.041125	6.884412	6.887516	6.874551	6.872229	6.738367	6.762501
BCNP1	BCNP1	6.877302	7.1438	6.769815	7.058112	6.893339	7.015807	6.977231	6.998739	6.909563	6.973857	6.86283	6.837191
BCOR	BCOR	8.774642	9.49977	8.730421	8.28069	8.292421	8.904729	8.608388	8.658095	8.406604	8.563864	8.163059	8.287761
BCORL1	BCORL1	6.953672	7.136664	7.035179	7.491915	7.420679	7.391786	7.264838	7.244631	6.980592	7.131462	7.040101	6.972294
BCORL2	BCORL2	6.903138	7.120051	6.876496	6.978423	6.858258	6.889901	6.791731	6.974501	6.933637	6.895796	6.837348	6.785296
BCR	BCR	7.378505	7.602072	7.192385	7.453938	7.207546	7.299972	7.02448	7.106023	7.077093	7.116501	7.060163	7.12583
BCS1L	BCS1L	8.395003	8.806503	8.37479	8.568003	8.534262	9.208475	8.803425	8.775589	8.879623	9.023529	8.677397	8.517422
BCYRN1	BCYRN1	9.361972	10.14472	9.450861	9.890304	9.770076	9.717426	9.88551	9.165673	9.756503	9.708608	9.756962	9.329999
BDH	BDH	7.104362	7.339119	6.812552	7.054172	6.90531	7.072425	7.010282	7.037708	6.989465	7.066194	6.896646	6.941872
BDH2	BDH2	7.061394	7.24138	6.952567	7.189821	7.128114	7.42492	7.064694	7.202189	7.235098	7.010731	6.996056	7.037429
BDKRB1	BDKRB1	7.042131	7.063556	7.005116	7.146672	7.461414	7.203119	6.973314	7.2428	7.247701	7.386861	7.771254	7.272031
BDKRB2	BDKRB2	6.996759	7.009365	6.884891	7.081955	7.188812	7.055041	6.949513	7.041349	6.932242	6.897314	6.78527	6.938467
BDNF	BDNF	7.069204	7.292097	6.914911	7.14296	7.137654	7.324865	6.989192	7.182869	7.173695	7.112816	7.466645	7.270064
BDP1	BDP1	7.156259	7.573169	7.422275	7.751686	7.594094	7.610933	7.361451	7.360867	7.327615	7.259158	6.889056	7.201533
BEAN	BEAN	6.883744	7.002154	6.690302	6.972999	6.937487	7.066083	6.863907	6.957311	6.896629	7.053639	6.902795	6.870472
BECN1	BECN1	8.649229	9.150728	8.59711	8.86035	8.844183	9.618934	9.193083	9.090725	9.101263	9.26234	9.06079	9.341207
BET1	BET1	9.276589	9.722862	9.203428	9.157171	9.382506	9.38694	8.91059	8.987953	9.355713	9.037592	9.066283	8.946585
BET1L	BET1L	7.396793	7.469092	7.206377	7.638846	7.590274	7.446601	7.451088	7.488684	7.484564	7.404358	7.64692	7.391082
BEX1	BEX1	11.87774	12.7038	11.69425	12.18135	12.10845	12.91648	12.66822	12.44314	12.42123	12.27611	11.48888	10.81126
BEX2	BEX2	11.06335	12.04738	10.98344	10.40548	10.65146	11.39488	10.94301	11.05691	11.21784	11.24064	10.4805	10.63385
BEXL1	BEXL1	10.50659	11.29612	10.95081	11.32484	11.24395	11.94281	11.82961	11.70578	11.85671	11.83666	11.1673	11.34502
BFAR	BFAR	9.269036	9.674263	8.670645	8.764396	8.950955	9.102174	8.756872	9.142437	9.021801	8.930996	9.414154	9.113974
BFSP1	BFSP1	7.192358	7.392992	7.082629	7.229649	7.118917	7.084185	7.189362	7.212366	7.156376	7.098994	6.921343	7.015436
BFSP2	BFSP2	6.919847	7.120562	6.850661	7.087815	7.019631	7.231227	7.059519	7.062932	6.972222	6.999919	6.856914	6.90552
BGLAP	BGLAP	7.48641	7.730975	7.671627	7.849511	7.856633	7.918161	7.663153	7.624899	7.687358	7.651813	7.618924	7.511783
BGN	BGN	7.99669	7.735189	9.230824	10.0558	9.881229	8.261527	9.400623	9.906295	11.11254	10.45473	12.61499	11.6832
BHLHB2	BHLHB2	7.907688	9.793505	9.795101	9.464309	8.755662	9.321375	9.473097	9.98627	10.2789	10.22843	11.15261	11.27947
BHLHB3	BHLHB3	6.862317	7.138454	6.821969	7.107428	6.999339	7.141085	6.971423	6.953018	7.187919	7.310517	7.288977	7.514251
BHLHB4	BHLHB4	6.788779	6.87029	6.851003	6.987515	6.855515	6.874705	6.712111	6.882303	6.864051	6.780378	6.686608	6.769506
BHLHB5	BHLHB5	6.827612	7.006285	7.524097	7.02508	6.858121	6.962205	6.767145	6.90112	7.299385	6.818379	6.734721	6.738579
BHLHB8	BHLHB8	7.075993	7.178086	6.878187	7.188125	6.93726	7.114096	6.944032	6.92151	6.869663	6.959453	6.941633	6.833256
BHLHB9	BHLHB9	9.29806	9.971188	9.090946	8.940432	8.724711	9.181369	8.499831	8.35378	8.508533	8.320877	7.821644	8.261417
BHMT	BHMT	7.280254	7.864471	6.7368	7.048008	6.9179	6.907685	6.76249	6.872076	6.863024	6.882873	6.738687	6.776453
BHMT2	BHMT2	6.810524	6.988161	6.69584	6.957511	6.861559	6.89533	6.802218	6.838941	6.784808	6.807682	6.726393	6.828986

BICC1	BICC1	6.807459	7.007714	6.691915	7.074476	6.893833	7.038428	6.854688	6.972891	6.914097	6.905518	6.762201	6.939415
BICD1	BICD1	7.195541	7.42619	7.074867	7.506159	7.281156	7.304714	7.096202	7.172888	7.054448	7.10222	7.152317	7.065207
BICD2	BICD2	9.036367	9.100901	8.424428	9.169336	9.28615	9.480084	9.405756	9.335453	9.443643	9.278048	9.336297	9.587368
BID	BID	7.878996	8.432719	7.916017	7.89233	7.827309	7.901643	7.619066	7.614285	7.613282	7.476213	7.448814	7.484922
BIK	BIK	6.931887	7.85411	7.059483	7.452357	7.283375	7.4981	7.563901	7.738392	7.474115	7.62136	7.485851	7.375762
BIN1	BIN1	8.727394	8.913296	9.061835	10.30517	9.940102	8.096014	7.908028	7.939983	8.881853	7.956732	8.175422	7.821549
BIN2	BIN2	7.016454	7.194463	6.814109	7.098567	6.965207	7.247189	7.008289	7.005579	6.988717	7.029004	6.906578	6.99726
BIN3	BIN3	6.95616	7.213741	7.064169	7.375099	7.306589	7.401922	7.110018	7.117568	7.177462	7.084041	6.978292	7.142484
BIRC1	BIRC1	6.913969	7.094171	6.760143	7.074717	6.982583	6.994851	6.828764	6.917211	6.875311	6.885004	6.746132	6.877456
BIRC2	BIRC2	9.399616	9.849694	9.905457	10.2871	10.08713	10.43008	9.969003	9.781584	10.1177	9.815501	9.672249	9.924032
BIRC3	BIRC3	8.034443	8.728967	8.398663	8.768215	8.909236	8.817447	8.763694	8.408129	8.634958	8.444648	8.209286	8.413354
BIRC4	BIRC4	7.127541	7.407618	7.033862	7.304708	7.229446	7.242202	7.165809	7.048491	7.123802	7.147954	7.026068	7.055185
BIRC5	BIRC5	10.32769	10.51507	9.772229	10.22739	9.614729	9.645284	9.269729	9.076228	9.051697	8.855312	7.907891	7.585773
BIRC6	BIRC6	8.119126	8.765027	8.390687	8.938641	8.701224	8.908189	8.553209	8.264256	8.300526	8.285559	7.829305	8.154925
BIRC7	BIRC7	6.864438	7.051369	6.878741	7.018639	6.962724	6.91061	6.853587	6.888191	6.923804	6.815614	6.833082	6.805978
BIRC8	BIRC8	6.937613	7.052081	6.756883	6.924398	6.92696	6.959803	6.933644	6.956365	6.832173	6.93273	6.740945	6.76028
BIVM	BIVM	7.886435	8.325096	7.967033	8.613665	9.013784	9.577518	9.365747	9.416292	9.419158	9.196655	8.897224	8.693114
BLCAP	BLCAP	8.942177	8.880131	8.726681	9.081757	8.89227	10.24018	9.352488	9.430087	9.422636	9.377132	9.146161	9.199413
BLES03	BLES03	7.329901	7.590721	7.2063	7.435747	7.488745	7.807518	7.669122	7.736212	7.684911	7.837623	8.128288	7.748509
BLK	BLK	6.862019	7.034847	6.830116	6.88366	6.850468	6.988701	6.846088	6.927326	6.803727	6.939538	6.723133	6.7538
BLM	BLM	9.226602	9.547186	9.035297	9.160174	8.257445	7.799675	7.694368	7.555093	7.585048	7.393521	7.178205	6.885013
BLMH	BLMH	9.700706	10.19068	9.529543	9.842375	9.642662	9.254506	9.277841	8.952447	9.270608	9.078486	8.282196	8.984357
BLNK	BLNK	6.882311	6.977179	6.671676	6.942984	6.955119	6.887311	6.856107	6.927419	6.814826	6.800165	6.666946	6.886215
BLOC1S1	BLOC1S1	9.250667	10.25898	9.565718	9.635619	9.490455	10.27689	10.23323	10.07191	10.39218	10.84364	10.32573	9.855058
BLOC1S2	BLOC1S2	7.196942	7.60141	7.053312	7.269394	7.274775	7.611403	7.198161	7.19722	7.277844	7.183059	7.136947	7.191528
BLOC1S3	BLOC1S3	6.885156	7.009896	6.751056	7.109909	6.810773	6.947566	6.732324	6.821059	6.899233	7.021007	6.75564	6.89976
BLR1	BLR1	6.983708	7.127681	6.912104	7.087893	6.936782	6.990655	7.011196	6.955575	6.968229	7.045299	6.889984	6.877162
BLVRA	BLVRA	9.370806	9.796525	9.247877	9.274137	9.337694	10.08188	9.81343	9.651322	9.954903	9.880805	9.647275	9.562714
BLVRB	BLVRB	7.546449	8.123747	7.356861	7.649235	7.645243	7.976858	8.14036	7.736357	8.379853	8.19994	7.697413	8.454663
BLZF1	BLZF1	10.07884	11.11454	10.5957	11.13578	11.43043	11.00022	11.40986	10.66471	11.02865	10.72532	10.11276	10.79625
BM88	BM88	7.089731	7.3815	6.946972	7.121355	7.050656	7.398594	7.273402	7.243833	7.062661	7.157189	7.17405	7.003498
BMF	BMF	7.166942	7.505099	7.47342	7.973174	7.772319	7.433666	7.528147	7.430435	7.524451	7.373185	7.117386	7.365337
BMP1	BMP1	6.93593	7.178045	7.05082	7.676521	7.670242	7.632128	7.486245	7.57487	7.554645	7.546667	7.770786	7.326856
BMP10	BMP10	6.835618	6.933432	6.70475	6.918705	6.913671	6.940267	6.785311	6.872944	6.794385	6.9719	6.711953	6.791605
BMP15	BMP15	6.834919	6.996777	6.788272	7.07783	6.94024	7.055335	6.843019	6.963928	6.913064	6.913113	6.828817	6.898721
BMP2	BMP2	7.733058	8.244027	10.45455	10.14165	10.06499	11.60913	11.32778	11.16245	10.64367	10.03979	9.349618	8.542366

BMP2K	BMP2K	7.61296	7.924745	7.719214	7.901485	7.594209	7.877893	7.38179	7.424883	7.392767	7.431859	7.277501	7.428307
BMP2KL	BMP2KL	7.106214	7.014611	6.884051	7.149168	6.906586	7.072232	6.949289	7.065311	6.995451	7.005049	6.890951	6.986599
BMP3	BMP3	7.032242	7.216401	6.731374	7.094326	6.963187	7.167795	7.003431	6.987257	6.968282	7.04696	6.848244	6.879814
BMP4	BMP4	7.148676	8.285156	9.165838	10.57537	9.676139	8.380556	7.686962	7.591354	7.609018	7.081485	7.21932	6.855124
BMP5	BMP5	6.851244	7.10296	7.982744	10.34924	10.49231	12.65105	12.12567	12.14777	11.91837	12.0365	11.42046	11.1749
BMP6	BMP6	7.065247	7.331828	7.052953	7.734985	7.021481	7.069914	6.968906	7.055474	7.092538	7.169068	7.794114	7.130757
BMP7	BMP7	7.965765	8.866762	8.603622	8.742363	8.860566	9.406483	9.482701	8.814893	9.110993	9.460485	8.550347	9.878381
BMP8A	BMP8A	6.801019	6.956367	6.748568	6.899612	6.844801	6.904376	6.724639	6.839563	6.859487	6.931101	6.654889	6.833319
BMP8B	BMP8B	7.159142	7.511715	7.13273	7.448188	7.244875	7.401422	7.318932	7.135059	7.347303	7.203873	6.901674	7.153708
BMPER	BMPER	6.812598	7.081481	6.780572	7.17842	6.920151	6.963944	6.852024	6.861619	6.87216	6.979203	6.870892	6.949465
BMPR1A	BMPR1A	9.302173	9.805202	9.432747	9.489558	8.89487	9.68145	9.082684	9.380408	9.096348	9.088461	8.69778	8.895774
BMPR1B	BMPR1B	6.897905	7.022943	6.892795	7.023119	6.951811	6.957406	6.934578	6.95614	6.877168	6.920533	6.840587	6.85323
BMPR2	BMPR2	7.651732	7.833146	8.280542	9.315977	9.598025	10.02597	9.90138	9.974694	9.810218	9.708862	9.746607	9.765823
BMS1L	BMS1L	11.65695	11.85444	11.16076	11.24769	10.67511	10.85912	10.41555	10.30691	10.35845	10.27957	9.926009	10.0862
BMX	BMX	6.819445	7.04827	6.765008	6.999205	6.946003	7.008513	6.949711	6.920372	6.863462	6.983845	6.899771	6.868054
BNC1	BNC1	6.960819	7.21107	6.964284	7.795348	8.595384	7.128542	7.019678	7.124157	7.096057	6.973358	6.988832	6.924583
BNC2	BNC2	9.14927	9.694829	7.503086	10.26134	10.22228	7.678015	7.125934	7.533356	8.069832	7.221693	7.629413	7.762292
BNIP1	BNIP1	7.850274	8.104329	7.484591	7.876538	8.050039	8.850509	8.18712	8.42162	8.377888	8.444734	8.394079	8.20569
BNIP2	BNIP2	9.581319	9.891863	9.980679	10.03404	9.944253	10.69103	9.99351	10.24248	9.932095	10.12109	10.02288	9.905225
BNIP3	BNIP3	11.9835	10.78359	11.42896	12.24977	13.12584	12.8125	12.14107	12.39435	12.48529	12.22115	12.76288	13.42191
BNIP3L	BNIP3L	9.037248	8.706782	9.085232	10.02574	10.21924	9.721678	9.161881	9.034915	9.253269	8.763436	9.045956	9.809251
BNIPL	BNIPL	7.325219	8.397102	7.232543	7.316967	7.131146	7.210899	7.16709	7.156569	7.166151	7.109576	6.862412	6.990625
BOC	BOC	6.831141	7.048861	6.870031	7.493342	7.359011	6.960062	6.910127	7.120333	7.190148	7.144239	6.810276	6.812899
BOK	BOK	8.31356	8.425712	7.894216	8.702898	8.210208	8.431638	8.097529	8.079103	7.870278	7.867628	7.921174	7.820946
BOLA1	BOLA1	7.075417	7.52565	6.979369	7.133536	7.245462	7.736914	7.43775	7.457442	7.481933	7.659571	7.224974	7.390366
BOLA2	BOLA2	10.79224	11.39525	10.67765	10.19909	10.21468	10.75578	10.24488	9.964417	10.27854	10.26454	10.53287	9.618847
BOLA3	BOLA3	11.48456	11.96919	11.16369	10.85515	11.05574	11.78515	11.27597	11.21437	11.47659	11.41806	11.406	10.62175
BOLL	BOLL	6.852314	7.03344	6.803075	7.041655	6.928776	6.971478	6.890847	6.958136	6.897844	6.939901	6.75398	6.861798
BOP1	BOP1	11.94434	12.01297	10.79456	11.10333	10.4315	10.64193	10.0702	9.953394	10.23744	10.10368	10.11048	10.25568
BP75	BP75	8.829795	9.154575	8.530774	8.800444	8.551034	8.776065	8.234275	8.30656	8.242374	8.399889	8.262128	8.107061
BPESC1	BPESC1	7.022641	7.262698	7.005717	7.042256	7.036961	6.975525	7.012131	7.020062	6.977576	6.963285	6.853357	6.922128
BPGM	BPGM	7.575503	7.690729	7.29588	7.685122	7.655884	7.931698	7.76299	7.712459	7.77551	7.764856	8.108503	8.000848
BPHL	BPHL	10.43744	10.44394	9.880874	10.21457	10.11605	10.10011	9.730183	9.792107	9.568185	9.497162	9.344265	9.091078
BPI	BPI	6.918747	7.236503	6.855693	7.076343	6.908556	7.135361	6.869547	6.926437	6.915101	6.907456	6.836151	6.937811
BPIL1	BPIL1	6.839581	7.112007	6.817458	7.074977	6.833304	6.964931	6.796708	6.854477	6.789683	6.86446	6.651073	6.746431
BPIL2	BPIL2	6.851289	6.86665	6.776858	6.974923	6.906438	6.978098	6.803419	6.958023	6.871791	6.844227	6.725125	6.917775

BPIL3	BPIL3	6.918849	6.898488	6.710475	6.882379	6.777669	6.973662	6.801039	6.946014	6.833027	6.919539	6.751668	6.787665
BPNT1	BPNT1	7.724971	7.993133	7.463779	7.847146	7.84047	8.092783	8.076636	8.014268	7.969466	7.902629	7.737491	8.010413
BPY2	BPY2	6.878571	7.016621	6.868297	6.915184	6.903675	6.934538	6.834802	6.827682	6.904218	6.827046	6.702858	6.790157
BPY2B	BPY2B	6.964418	7.220881	6.852907	7.025291	7.060653	6.974239	6.881752	7.038858	6.894212	7.008262	6.829427	6.879818
BPY2C	BPY2C	6.905977	7.021134	6.765511	6.921522	6.91317	6.992564	6.857127	6.971332	6.757729	6.84112	6.86809	6.728845
BPY2IP1	BPY2IP1	9.044774	9.179936	8.292977	8.431235	8.146528	8.448078	8.139153	8.216871	8.177821	8.249601	8.382938	7.93078
BRAF	BRAF	7.689659	7.94502	7.464129	7.535595	7.308048	7.399498	7.177306	7.256056	7.112553	7.156043	7.080449	7.135112
BRAP	BRAP	6.95038	7.106753	6.793921	7.023656	6.953649	6.995163	6.887705	7.003934	6.93152	6.985634	6.816313	6.869306
BRCA1	BRCA1	7.617256	8.026863	7.533823	7.596662	7.395504	7.338586	7.215659	7.144985	7.200333	7.163335	6.905581	6.93747
BRCA2	BRCA2	7.181464	7.593998	7.501082	7.496604	7.249827	7.098031	7.080764	7.090261	7.105516	7.063832	6.912465	6.839766
BRCC2	BRCC2	6.875519	7.115083	6.892452	6.975567	6.937402	7.119423	7.057958	6.976609	7.058851	7.072022	7.004652	7.067024
BRD1	BRD1	8.031172	8.161835	7.949059	8.147178	7.967214	7.979725	7.560026	7.641839	7.72514	7.587272	7.37757	7.523767
BRD2	BRD2	11.65182	11.90976	11.33723	11.60675	11.4916	11.74902	11.00302	10.86092	11.1375	10.96347	10.5678	10.99151
BRD3	BRD3	10.01118	10.20871	9.508002	9.895753	9.712649	9.536479	9.110482	9.299986	9.224269	9.047667	9.119467	9.140876
BRD4	BRD4	7.097277	7.384633	7.047441	7.3576	7.161086	7.272579	7.083106	7.204703	7.130382	7.226409	6.986698	7.067202
BRD7	BRD7	10.23776	10.54899	10.19094	10.46832	10.13138	10.16121	9.824397	9.767064	9.699808	9.60162	9.360571	9.282719
BRD8	BRD8	8.985109	9.461841	9.115634	9.39273	9.158299	9.165297	8.851571	8.898892	8.820869	8.736239	8.493301	8.567695
BRD9	BRD9	10.03148	10.18588	9.988353	9.910243	9.724589	9.613881	9.329811	9.258115	9.481695	9.348631	8.9669	9.137686
BRDG1	BRDG1	6.804312	6.90545	6.787002	6.94885	6.890484	6.929495	6.886831	6.922987	6.760091	6.916552	6.720423	6.847461
BRDT	BRDT	6.929497	7.017935	6.748555	6.968125	6.953534	6.870091	6.839316	6.867583	6.849008	6.902073	6.790965	6.815892
BRE	BRE	8.396965	9.049997	8.542652	8.708004	8.84807	9.389976	9.178264	9.527512	9.193022	9.524126	9.606446	9.361048
BRF1	BRF1	6.979653	7.087432	6.9722	7.200936	7.084161	7.163784	7.051942	7.168529	7.069087	7.08485	6.957429	7.020979
BRF2	BRF2	8.875211	9.375939	8.849168	8.875772	8.921587	9.358949	8.778291	8.937974	8.825259	8.946004	9.093141	8.823168
BRI3	BRI3	10.00425	10.69241	10.06908	10.38275	10.68355	10.89915	10.48726	10.4049	10.64173	10.57743	10.9455	10.55265
BRI3BP	BRI3BP	8.067833	8.151358	7.762858	7.702967	7.548989	7.617688	7.377632	7.335384	7.344996	7.378927	7.235479	7.224982
BRIP1	BRIP1	7.178736	7.390523	7.179428	7.160141	7.0862	7.063692	7.179861	7.060306	7.160953	7.062939	6.909652	7.019716
BRMS1	BRMS1	10.39746	10.78848	10.42666	10.40435	10.22344	10.63145	10.04951	9.866183	10.16631	9.971162	9.961476	10.11596
BRMS1L	BRMS1L	8.056563	8.258658	7.975418	8.518053	8.456663	9.152308	8.814344	8.949804	8.786171	8.959156	8.45501	8.523062
BRP44	BRP44	9.810812	10.46305	10.06504	11.11605	10.72288	11.96692	11.63684	11.63395	11.73858	11.95566	11.7113	11.44668
BRP44L	BRP44L	9.348123	9.929128	9.1432	9.918528	10.69966	12.39176	12.0246	12.01579	12.28606	12.48534	12.2621	12.35467
BRPF1	BRPF1	10.07498	10.46863	10.20068	10.17853	9.942701	9.777054	9.270584	9.401506	9.419651	9.202076	9.311916	9.295084
BRPF3	BRPF3	9.614177	10.18703	9.670187	10.1853	10.13382	9.811086	9.45053	9.430207	9.505566	9.455855	9.461524	9.50477
BRRN1	BRRN1	6.929828	7.185243	6.954099	7.182016	6.991296	7.060216	7.073436	6.945991	6.921337	6.986365	6.822699	6.814567
BRS3	BRS3	6.764723	6.982953	6.805754	6.940418	6.913204	7.088331	6.928829	6.904086	6.996422	6.912391	6.836628	6.867463
BRSK1	BRSK1	9.951331	9.904304	9.357764	9.753561	9.569209	9.541096	9.173663	9.2586	9.692551	9.304007	9.562387	8.82401
BRSK2	BRSK2	7.599499	7.792906	7.21394	7.292858	7.163721	7.187202	6.993935	7.119501	7.391531	7.17478	6.916784	6.917505

BRUNOL4	BRUNOL4	6.884057	7.059228	6.821043	6.970076	6.906828	6.88885	6.828234	6.940317	6.951907	6.901091	6.740936	6.811793
BRUNOL5	BRUNOL5	7.135377	7.167613	6.865827	7.027396	6.934409	7.00091	6.82293	6.980067	6.914822	6.848571	6.84011	6.786253
BRUNOL6	BRUNOL6	6.807469	6.974956	6.810891	7.168129	7.072545	7.175194	6.986052	6.998866	7.194976	7.021543	6.920092	6.909481
BRWD1	BRWD1	7.816719	8.120825	7.911428	8.196681	8.221858	8.458144	8.03529	8.115777	8.266672	8.062155	7.91928	8.104265
BRWD2	BRWD2	8.314325	8.75517	8.679447	8.755068	8.586818	8.634376	8.414813	8.379749	8.36014	8.206651	8.238329	8.151165
BRWD3	BRWD3	7.320654	8.026373	7.390357	7.455279	7.326248	7.313412	7.070083	7.135984	7.010161	7.083297	6.895217	6.952926
BSCL2	BSCL2	11.17222	12.0933	11.20916	11.15317	11.24226	11.25661	11.18493	10.78	11.06421	10.49899	9.99022	9.742051
BSDC1	BSDC1	8.807085	9.781373	9.011707	9.24284	9.421852	9.444867	9.32979	9.203305	9.560274	9.402711	9.205712	9.391276
BSG	BSG	10.44904	10.60737	10.11494	10.4074	10.1779	10.5201	9.937716	10.65126	10.06338	10.585	11.11908	10.54042
BSN	BSN	8.049899	8.151302	7.465566	7.460582	7.501908	7.423627	7.381393	7.415336	8.075595	7.106875	6.967693	7.078693
BSND	BSND	6.972059	7.197537	6.800803	7.133139	7.061957	7.104203	6.95178	7.061056	7.018856	7.086122	6.95885	6.931947
BST1	BST1	6.936283	7.127147	6.90744	7.06961	6.963942	6.998278	6.822505	6.991828	6.936341	7.037015	6.811578	6.811084
BST2	BST2	8.001797	9.401638	8.108294	9.695853	10.19749	7.983281	8.066307	7.56692	8.026793	7.456456	7.605614	7.706936
BTAF1	BTAF1	10.41628	10.60864	10.51336	10.94597	10.47358	10.8146	10.27967	10.20445	10.15133	10.10716	9.503121	9.817572
BTBD1	BTBD1	8.151595	8.581091	8.266066	8.856399	8.73418	10.35552	9.676171	9.826421	9.713782	9.949453	9.692041	9.743473
BTBD10	BTBD10	8.956653	9.589508	9.151725	9.450771	9.168814	10.18956	9.52293	9.53614	9.619798	9.350805	9.532239	9.488176
BTBD11	BTBD11	7.603559	7.473036	7.001808	7.253216	7.100669	7.048532	6.926832	7.027799	7.128445	7.03446	7.012542	7.074411
BTBD12	BTBD12	8.687917	8.93906	8.376393	8.715036	8.415754	8.295305	8.173403	8.024784	8.17635	7.891415	7.64143	7.846713
BTBD14A	BTBD14A	7.803708	7.965251	7.455339	8.348287	8.118294	7.846272	7.7097	7.688994	8.028465	7.857089	7.994619	8.143799
BTBD14B	BTBD14B	7.061901	7.551077	7.152924	7.352281	7.113764	7.06729	7.086995	7.188508	7.01172	6.98038	7.149569	6.954586
BTBD3	BTBD3	8.862348	9.137449	9.216318	9.061429	8.594976	8.475213	8.262086	8.245849	8.33491	8.107589	7.817552	7.900016
BTBD4	BTBD4	8.496738	9.091072	8.538836	8.741518	8.556028	8.733771	8.414933	8.570737	8.16138	8.307889	8.002667	7.732029
BTBD5	BTBD5	8.315437	8.591039	8.279789	8.52178	8.827768	9.610597	9.103714	9.040247	9.139171	8.659149	8.789874	9.428515
BTBD6	BTBD6	8.75839	9.343026	8.965812	9.275994	9.392322	9.500718	9.332799	9.648112	9.580199	9.628303	9.920546	9.588471
BTBD7	BTBD7	8.230778	8.832058	8.257783	8.654516	8.312095	8.131433	8.02689	7.961513	7.994818	7.868384	7.638525	7.976735
BTBD8	BTBD8	6.913008	7.076485	6.811025	6.960022	7.026878	6.899056	6.906328	6.932996	6.971021	6.895808	6.804155	6.835104
BTBD9	BTBD9	7.323723	7.43514	7.132838	7.576283	7.542531	7.960074	7.939577	7.829839	7.936614	8.125591	7.664258	7.818828
BTC	BTC	6.875088	7.013499	6.898643	7.122373	6.881984	6.858383	6.99763	6.969104	6.976414	6.964612	6.753397	6.879833
BTD	BTD	7.775266	8.139982	7.905988	7.72072	7.558072	7.630892	7.41839	7.481054	7.370195	7.43363	7.571756	7.519336
BTF3	BTF3	13.32236	13.60334	12.98724	12.83265	13.14864	13.27461	12.73443	12.91002	12.92264	12.94113	12.87829	12.18735
BTF3L4	BTF3L4	10.90718	10.96952	10.4371	10.67411	10.4028	11.32759	10.64977	10.84126	10.71897	10.72472	10.24585	10.43561
BTG1	BTG1	10.54564	11.403	10.30882	11.37499	11.57052	12.89253	12.49001	12.53344	12.66877	12.63427	12.32618	12.21649
BTG2	BTG2	7.442564	7.65496	8.206211	8.462843	8.322745	9.565061	9.352611	9.685411	9.538525	9.924131	9.823792	9.496921
BTG3	BTG3	9.723986	10.24215	10.13577	10.17383	10.1858	10.76004	10.5174	10.60234	10.6385	10.56903	10.56097	10.28948
BTG4	BTG4	6.847722	7.070528	6.889973	7.029058	6.959738	7.016209	6.934372	6.902858	6.815366	6.81877	6.855171	6.831643
BTK	BTK	6.881038	7.030676	6.984927	7.220707	6.886273	7.030534	6.909696	7.016389	6.886399	7.094834	6.708199	6.81268

BTLA	BTLA	6.987629	7.238846	6.846958	7.029562	7.009142	7.11906	6.928729	6.994264	6.963632	7.064959	6.843317	6.919855
BTN1A1	BTN1A1	6.935086	6.954583	6.665568	7.044444	6.924485	6.853322	6.677567	6.885704	6.815332	6.842089	6.867497	6.782478
BTN2A1	BTN2A1	8.084176	8.446997	8.327746	8.631771	8.898822	9.399894	9.093256	8.929421	9.155673	9.054925	9.003079	9.208067
BTN2A2	BTN2A2	7.343259	7.476561	7.108179	7.373113	7.260903	7.454448	7.207574	7.284505	7.332033	7.243046	7.097223	7.180119
BTN2A3	BTN2A3	6.770128	6.931352	6.912032	7.027576	6.970115	6.935925	6.860299	6.932215	6.983107	7.009088	6.713645	6.851113
BTN3A1	BTN3A1	7.078481	7.167861	6.887212	7.040066	7.046498	7.067592	6.924299	7.051652	7.053604	7.135944	7.008689	7.030846
BTN3A2	BTN3A2	7.433956	7.560331	6.954959	7.211702	7.332449	7.229863	7.144318	7.34918	7.532706	7.649271	7.829444	7.804156
BTN3A3	BTN3A3	7.20557	7.225515	6.936314	7.159459	7.114267	7.06757	7.031784	7.128936	7.224715	7.289784	7.155738	7.336476
BTNL2	BTNL2	8.278503	8.35376	8.198975	8.077092	7.805366	7.615865	7.294632	7.33297	7.659861	7.329611	7.079517	6.986125
BTNL3	BTNL3	6.915786	7.201241	6.904148	7.08093	6.996982	7.010937	6.912768	6.948888	6.950559	6.988747	6.791567	6.92195
BTNL8	BTNL8	6.837384	6.892773	6.782134	6.963152	6.809004	6.879021	6.88636	6.800342	6.815544	6.838892	6.683227	6.843028
BTNL9	BTNL9	6.806696	7.03126	6.769593	6.840533	6.885266	7.137241	7.120839	7.096833	6.96342	7.230655	6.96997	7.275335
BTRC	BTRC	7.244677	7.543933	7.286281	7.664369	7.543427	7.963985	7.868271	7.829328	7.661311	7.871441	7.537756	7.546376
BUB1	BUB1	10.86431	11.22733	10.58254	9.774255	9.45097	10.09324	9.39983	9.42846	9.16677	9.233755	8.600013	7.784414
BUB1B	BUB1B	8.513091	9.092188	8.232888	8.397091	7.939204	7.936645	7.808426	7.607483	7.63083	7.520115	7.273641	7.027784
BUB3	BUB3	11.33625	11.49887	11.13184	10.94141	10.69279	11.04201	10.4795	10.36257	10.47856	10.22965	9.907937	10.02839
BVES	BVES	7.040763	7.163079	7.053304	8.24728	9.149455	11.0814	10.48032	11.01038	10.44419	10.88849	10.39408	10.23032
BXDC1	BXDC1	11.64787	11.83467	10.8557	10.48424	10.37954	11.29264	10.32703	10.49166	10.72882	10.42931	10.60827	10.19637
BXDC2	BXDC2	11.05448	11.49122	10.82524	10.5153	10.2901	10.58879	9.74218	9.821561	10.04075	9.906492	10.00348	9.614292
BXDC5	BXDC5	9.171143	9.881796	9.391631	9.436826	9.321012	10.31559	9.673524	9.499661	9.801963	9.802005	9.407187	9.652641
BYSL	BYSL	9.922693	10.1029	9.429245	9.397126	9.169141	9.591165	8.938981	9.044146	8.907248	8.997005	9.182854	8.842926
BZRAP1	BZRAP1	7.164839	7.484205	7.250282	7.59512	7.690385	7.784677	7.620072	7.552584	7.616672	7.572216	7.026273	7.221749
BZRPL1	BZRPL1	6.919993	7.094144	6.762003	6.966651	6.862763	6.932296	6.807645	6.913211	6.878429	6.999914	6.708694	6.825416
BZW1	BZW1	7.044475	7.240615	7.038943	7.227802	7.070009	7.189559	7.057507	7.087274	7.051919	7.073241	6.941739	7.007743
BZW2	BZW2	10.9131	11.15618	11.04324	11.53202	11.35457	12.77548	12.35833	12.59143	12.25455	12.49934	12.08453	11.56163
C10ORF1(	C10ORF1(	7.024986	7.286759	6.976187	7.542918	7.524883	8.870753	8.794388	9.176416	9.117942	9.033242	9.166407	9.075078
C10ORF1(	C10ORF1(	8.040929	8.427687	8.199063	8.722981	9.375633	9.861313	9.539866	9.288517	9.458096	9.380135	8.909313	9.373429
C10ORF1(	C10ORF1(	6.915806	6.965437	6.746865	7.147935	7.02777	7.267817	7.23765	7.207526	7.405478	7.235448	6.835941	6.787759
C10ORF1(	C10ORF1(	6.999912	7.085705	6.800194	7.018319	6.99554	7.034559	6.824795	6.965102	6.99842	6.979455	6.87123	6.808817
C10ORF11	C10ORF11	6.897744	7.219755	6.76361	7.090196	7.03255	7.095154	7.070429	7.010715	6.942887	7.092678	6.937128	6.990401
C10ORF11	C10ORF11	6.799016	7.009875	6.923218	7.107845	7.029707	7.204825	6.929767	6.948273	6.901462	6.939214	6.807926	6.799846
C10ORF11	C10ORF11	6.868729	7.10957	6.8527	7.146614	6.949855	7.261776	6.97183	7.121755	7.081876	7.026874	6.872397	6.977873
C10ORF11	C10ORF11	6.83964	6.915612	6.856794	6.951731	6.899023	6.940906	6.896403	6.924073	6.823207	7.105861	6.775377	6.884198
C10ORF11	C10ORF11	7.241605	7.689494	7.299188	7.489864	7.553062	7.955169	7.767487	7.711292	7.495076	7.707272	7.22276	7.264897
C10ORF11	C10ORF11	6.688004	7.013129	6.751112	6.87364	6.879112	6.761139	6.91096	6.955224	6.692052	6.767716	6.717994	6.680391
C10ORF11	C10ORF11	6.978022	7.233991	6.926472	7.056108	7.021625	7.130099	7.063703	7.161266	7.096657	6.946726	6.941737	6.964224

C10ORF11	C10ORF11	6.977818	7.206846	6.929602	7.075915	7.05906	7.372406	7.077804	7.13107	7.16479	7.112328	7.054587	7.083704
C10ORF11	C10ORF11	8.063032	8.71373	8.345474	8.512666	8.095597	8.208497	7.599456	7.536185	7.530276	7.442312	7.283726	7.518056
C10ORF12	C10ORF12	7.258422	7.51245	7.146954	7.281991	7.150775	7.28743	7.112246	7.138141	7.106754	7.147372	7.063863	7.032735
C10ORF12	C10ORF12	6.772809	7.040451	6.763879	7.011924	6.802953	6.968696	6.831657	6.910296	6.840972	6.917349	6.845747	6.791616
C10ORF12	C10ORF12	6.873514	7.03538	6.783275	7.045181	6.8415	7.015429	6.8462	6.897713	6.973889	6.829413	6.711425	6.751997
C10ORF12	C10ORF12	6.983887	7.123842	6.829796	7.092806	6.994561	6.936368	6.742899	7.023514	7.0011	6.981738	6.908178	6.813778
C10ORF12	C10ORF12	7.783073	7.999889	8.191085	7.672368	7.544432	7.999609	7.575415	7.545129	7.626778	7.632358	7.683371	7.281577
C10ORF12	C10ORF12	7.06523	7.27129	6.982872	7.224846	7.102375	7.281278	7.055231	7.157034	7.146671	7.119777	6.990936	7.051213
C10ORF12	C10ORF12	6.807505	7.045752	6.834062	6.992811	6.947551	6.917954	6.844082	6.879424	6.866838	6.923415	6.821934	6.849012
C10ORF13	C10ORF13	8.591473	7.897002	7.303423	7.163431	7.128627	7.378968	7.301305	6.981829	7.240805	7.068587	7.066318	7.122123
C10ORF13	C10ORF13	6.799913	7.028831	6.851626	6.897	6.934032	6.994736	6.891535	6.884285	6.899134	6.936462	6.700936	6.87472
C10ORF13	C10ORF13	6.920123	7.043717	6.766914	6.975549	6.899439	7.047021	6.774313	6.889746	6.928489	6.912397	6.744218	6.823237
C10ORF13	C10ORF13	6.836958	7.056223	6.820412	7.034799	6.950666	6.951937	6.870939	6.931124	6.892958	6.9186	6.798044	6.901751
C10ORF13	C10ORF13	9.192589	9.656306	8.941671	9.49328	9.159884	9.160871	8.93438	8.726272	8.880043	8.842369	8.258433	8.767398
C10ORF21	C10ORF21	6.930109	7.089685	6.760452	7.140176	6.947953	6.966652	7.105257	6.958271	6.899576	7.077889	6.762912	6.853489
C10ORF22	C10ORF22	9.644742	10.05196	9.6735	9.828965	9.948253	10.48254	10.00883	9.766312	9.958647	9.866467	9.513632	9.621127
C10ORF25	C10ORF25	7.053441	6.96895	6.75845	7.022003	7.011709	6.983611	6.834297	6.869044	6.883534	6.858972	6.824454	6.794513
C10ORF26	C10ORF26	7.976616	8.162387	7.994924	8.978231	8.340917	8.60956	8.292609	8.672668	8.619651	8.433922	8.742014	8.495283
C10ORF27	C10ORF27	6.907903	7.109038	6.910471	7.171968	6.982798	7.029708	6.937225	7.013963	6.888768	6.9949	6.853764	6.854712
C10ORF28	C10ORF28	7.740257	8.335713	7.762716	8.150685	8.000619	7.853305	7.88202	7.76988	7.808199	7.724913	7.580882	7.684668
C10ORF30	C10ORF30	6.98969	7.065424	6.849291	6.958951	6.91189	7.055467	6.89875	6.902442	7.004555	7.101773	6.737739	6.896118
C10ORF31	C10ORF31	7.097805	7.214121	6.912098	7.037811	7.025125	7.175101	7.076216	7.020962	6.891985	7.068516	6.864899	6.975888
C10ORF32	C10ORF32	7.783911	8.088982	7.990461	8.650722	9.115722	10.17701	9.572319	9.743498	9.602636	9.907976	9.87914	9.353222
C10ORF33	C10ORF33	7.183021	7.258678	7.12788	7.837659	8.083791	8.753164	8.959449	8.978798	8.542015	8.80588	8.011127	7.756971
C10ORF35	C10ORF35	10.04328	9.861529	9.152794	9.501227	9.499101	10.41812	9.977692	9.792162	10.14809	9.978578	9.683243	9.855728
C10ORF37	C10ORF37	6.980082	7.10627	6.893425	6.999008	6.983081	6.969157	6.918245	6.948517	6.883483	6.964478	6.821736	6.875538
C10ORF38	C10ORF38	10.56187	10.55472	10.98436	11.38603	10.98763	10.44278	10.19997	10.57155	10.18086	10.12743	10.41609	9.604825
C10ORF39	C10ORF39	7.740497	7.475234	7.017855	7.25053	7.27894	7.232313	7.011992	7.054466	7.303998	7.050931	6.982368	7.117935
C10ORF4	C10ORF4	6.988125	7.333228	6.946944	7.195891	7.072896	7.179063	7.124331	7.134766	7.114511	7.167438	6.919279	7.03489
C10ORF41	C10ORF41	6.894719	7.129032	7.017109	7.692284	7.938192	7.726676	7.278211	7.370856	7.255085	7.266498	7.069013	7.041477
C10ORF42	C10ORF42	8.901318	9.827301	8.500891	8.916907	8.288575	8.314884	8.029211	8.172065	8.17027	8.120927	8.216105	7.988052
C10ORF46	C10ORF46	7.28038	7.402235	7.153285	7.430388	7.276893	7.356785	7.190223	7.211393	7.192701	7.058331	6.938662	7.057848
C10ORF47	C10ORF47	8.134768	7.842422	7.623609	7.86528	7.618157	7.939377	7.505658	7.569637	7.523436	7.47889	7.347395	7.282695
C10ORF49	C10ORF49	7.499964	7.436902	6.839403	7.01157	6.995489	6.845026	6.73933	6.898367	6.908524	7.007258	6.780032	6.830343
C10ORF51	C10ORF51	6.931709	7.081454	6.873144	7.134493	7.051158	7.360435	7.16031	7.119554	7.136361	7.03376	6.940325	6.997561
C10ORF53	C10ORF53	6.855951	7.00088	6.79419	6.998152	6.944612	6.928807	6.867237	6.913641	6.833991	6.865787	6.772138	6.819962

C10ORF54	C10ORF54	6.866361	6.909639	6.812525	7.041362	7.126021	7.169948	6.904828	7.077764	7.087062	7.144736	7.381314	7.255866
C10ORF55	C10ORF55	6.970668	7.02361	6.870952	7.035811	6.980261	7.137571	7.029292	7.006495	6.94409	6.983693	6.805819	6.875506
C10ORF56	C10ORF56	7.745545	7.701856	8.389598	10.15134	9.82657	10.52563	10.41826	10.55899	10.17003	10.28887	10.16971	10.0975
C10ORF57	C10ORF57	9.318995	9.858128	9.296303	9.231843	9.138058	8.829212	8.353973	8.226784	8.51767	8.036941	8.009687	7.998473
C10ORF58	C10ORF58	11.52306	12.17779	11.88656	12.46607	12.05499	12.05347	12.13457	11.7622	12.07927	11.70882	11.14332	11.75284
C10ORF59	C10ORF59	8.127569	8.344405	7.786504	7.494664	7.277493	7.522246	7.401966	7.441926	7.398133	7.388102	7.214669	7.260973
C10ORF6	C10ORF6	9.279662	9.66117	9.753599	10.38662	10.32246	11.22691	10.36996	9.989036	9.976113	9.636433	9.01028	9.237419
C10ORF61	C10ORF61	7.970462	8.177359	8.111875	8.363718	8.155994	8.274387	7.853833	8.151093	7.95743	7.944065	8.177772	7.748312
C10ORF62	C10ORF62	6.873479	6.92777	6.767115	6.912051	6.857647	6.852448	6.91043	6.811357	6.740872	6.91981	6.789721	6.796393
C10ORF63	C10ORF63	6.805202	7.048694	6.829416	7.038953	6.954305	6.907362	6.901247	6.903172	6.911053	6.980218	6.776686	6.856234
C10ORF64	C10ORF64	7.041971	7.178599	7.007887	7.247285	7.170733	7.057904	7.010972	6.955617	7.046453	7.109773	6.808613	6.994397
C10ORF65	C10ORF65	6.942243	7.001423	6.843351	7.055043	7.126192	7.05184	7.097849	7.01964	7.099322	7.353819	7.167771	7.095301
C10ORF67	C10ORF67	6.847556	7.039688	6.765415	7.051348	6.922122	7.146406	6.983929	7.054448	6.979264	7.020643	6.913627	6.853018
C10ORF68	C10ORF68	6.811298	7.017982	6.745204	7.001787	6.936551	7.020167	6.828577	6.974135	6.852311	6.929088	6.806114	6.784295
C10ORF7	C10ORF7	11.33825	11.55094	10.7784	10.71381	10.41351	11.06608	10.29458	10.4709	10.33526	10.49805	10.6657	10.18837
C10ORF71	C10ORF71	6.889286	7.054569	6.806696	7.093176	6.859297	7.035922	7.116916	7.139776	7.006881	7.302849	7.017983	7.102254
C10ORF72	C10ORF72	6.904747	7.20349	6.922008	7.14626	7.093359	7.087914	6.946746	7.030479	6.990743	7.061364	6.983075	6.948503
C10ORF73	C10ORF73	6.945893	7.118534	6.966365	7.23506	7.051561	7.333774	7.233608	7.273135	7.126019	7.255136	7.117716	7.157963
C10ORF76	C10ORF76	8.1514	8.597565	8.181147	8.418791	8.351923	8.804406	8.43992	8.486802	8.32459	8.304717	8.31218	8.127108
C10ORF77	C10ORF77	7.873406	8.087072	7.32343	7.335365	7.221522	7.085274	7.137316	7.112108	7.117543	7.183264	6.924615	7.148332
C10ORF78	C10ORF78	7.817755	8.359545	7.601736	7.722566	7.723635	8.297848	7.919788	8.133344	8.049753	8.256394	8.288546	7.921023
C10ORF79	C10ORF79	6.78416	6.950307	6.787019	6.990902	6.996134	6.848082	6.790828	6.909907	6.879539	6.887596	6.733825	6.72534
C10ORF80	C10ORF80	7.132806	7.164885	7.020385	7.183703	7.117813	7.550028	7.312572	7.409901	7.26466	7.472156	7.153448	7.179142
C10ORF81	C10ORF81	6.790042	7.102549	6.693831	7.016976	6.999186	6.902383	6.844151	6.90253	6.957662	6.825872	6.819933	6.867597
C10ORF82	C10ORF82	7.198419	7.624243	7.569967	7.368577	7.181535	7.211139	7.07412	7.061137	6.974958	7.041392	6.838854	6.839294
C10ORF83	C10ORF83	7.660412	8.120487	7.303146	7.791261	7.93069	8.286669	7.97145	8.059337	7.885823	7.948539	7.834742	7.833824
C10ORF84	C10ORF84	7.245893	7.590029	7.233345	7.52517	7.544818	7.804257	7.548789	7.401006	7.426125	7.475754	7.31112	7.355447
C10ORF85	C10ORF85	6.956434	6.961534	6.921615	7.137208	6.96041	6.9747	7.143265	7.104258	7.17554	7.042117	6.934696	7.188781
C10ORF86	C10ORF86	11.48563	11.5729	11.21273	11.34616	10.99097	11.47612	11.10841	11.05622	11.05298	11.09113	10.47687	10.2342
C10ORF87	C10ORF87	7.118652	7.171471	6.894478	7.115708	7.023076	7.103278	6.929305	7.008916	6.956861	7.00868	6.909985	6.962159
C10ORF88	C10ORF88	7.743717	8.05074	7.975431	7.968926	8.117143	8.298437	8.212377	7.982573	7.999943	7.987896	7.807585	7.985093
C10ORF89	C10ORF89	7.952907	8.121295	7.972341	7.649735	7.544156	8.360495	7.77256	7.666107	7.641142	7.639547	7.437914	7.415017
C10ORF9	C10ORF9	7.64084	8.113911	7.639759	7.958127	7.891742	8.278668	8.025472	8.225963	8.019782	8.15906	8.080854	8.22324
C10ORF90	C10ORF90	6.78414	7.025809	6.921704	6.988256	6.986268	6.990207	6.850357	6.829208	6.872592	6.883135	6.773722	6.811524
C10ORF91	C10ORF91	6.815881	7.167168	6.807495	7.014643	6.943663	6.86441	6.891071	6.875975	6.858428	6.903364	6.808406	6.86912
C10ORF92	C10ORF92	7.111242	7.064845	6.931339	7.170573	7.068384	7.203071	7.011997	7.045275	7.012945	6.989324	6.814799	6.882043

C10ORF93	C10ORF93	6.935871	7.091342	6.833278	7.086227	7.01234	7.087061	6.947458	6.992417	6.963382	7.022891	6.893433	6.895297
C10ORF95	C10ORF95	6.987641	7.130277	6.989583	7.072407	6.989563	7.098483	6.918245	7.052153	6.847631	7.047082	6.861289	6.948172
C10ORF96	C10ORF96	7.766512	7.809479	6.810316	7.102675	6.942801	6.945851	6.972502	6.973941	6.898585	7.008033	6.747788	6.871675
C10ORF97	C10ORF97	9.142989	9.656159	9.414334	10.08063	9.924464	10.63742	10.40387	10.09404	10.35522	10.23784	9.745292	10.1747
C10ORF99	C10ORF99	6.860066	7.144268	6.8161	7.057382	6.953546	6.903137	6.816934	6.904279	6.843303	7.021142	6.856947	6.908195
C11ORF1	C11ORF1	9.186914	10.06923	8.872239	8.932813	9.551605	9.687293	9.356298	9.619671	9.648489	9.696027	9.575751	9.140139
C11ORF10	C11ORF10	12.82543	13.52326	13.08057	13.02512	13.03533	12.7481	12.65165	12.60782	12.8911	12.75349	12.84307	11.96262
C11ORF11	C11ORF11	7.705233	8.303532	7.383737	7.708931	7.733395	7.420756	7.602175	7.647906	7.763821	7.584033	7.399802	7.464116
C11ORF16	C11ORF16	7.158849	7.311353	6.981836	7.238442	7.149231	7.366068	7.080951	7.080772	7.08038	7.097624	6.943104	7.018004
C11ORF17	C11ORF17	8.326065	8.48991	8.326983	8.334867	8.472162	9.283433	8.929113	9.003654	9.115912	9.320191	9.502989	9.673204
C11ORF2	C11ORF2	11.54303	11.77057	11.07801	11.21945	11.09759	10.94175	10.69722	10.67397	10.7388	10.64661	10.05126	10.98229
C11ORF24	C11ORF24	8.255876	8.559702	7.937683	8.425411	8.303952	8.46177	8.540019	8.497902	8.612955	8.657327	8.581654	8.503568
C11ORF30	C11ORF30	7.16371	7.181378	6.950092	7.189276	7.03496	7.112507	7.02872	7.122821	7.04054	6.959572	6.97058	7.049021
C11ORF31	C11ORF31	7.571205	7.774458	7.405793	7.634708	7.636754	7.897279	7.694516	7.614467	7.639228	7.665737	7.471403	7.398842
C11ORF34	C11ORF34	6.86638	7.180422	6.881314	7.047495	6.974087	6.975199	6.933231	6.978303	6.987356	7.031078	6.813536	6.842618
C11ORF35	C11ORF35	6.943646	7.195624	7.014915	7.096134	7.142432	7.116187	6.881274	7.13884	6.91743	6.898756	6.84809	6.783643
C11ORF36	C11ORF36	6.786744	7.043686	6.814935	7.042643	6.997486	6.857879	6.852535	6.881813	6.898887	6.920515	6.802264	6.913313
C11ORF37	C11ORF37	6.874641	7.027286	6.815788	7.012115	6.96501	7.038594	6.895533	6.851949	6.893839	6.946709	6.695348	6.802122
C11ORF38	C11ORF38	7.924053	8.860709	7.865598	8.100729	8.057012	8.035846	8.063103	7.691819	7.917704	7.79091	7.360844	7.905018
C11ORF39	C11ORF39	6.88583	6.979904	6.757476	7.030874	6.820098	6.842758	6.821338	6.865183	6.835606	6.858583	6.748321	6.857445
C11ORF40	C11ORF40	6.92724	7.024736	6.839713	6.982668	6.855528	7.007662	6.909422	6.886079	6.835076	6.929105	6.780486	6.861987
C11ORF41	C11ORF41	6.914366	7.140598	6.861898	7.027857	7.02073	6.973441	6.943835	7.008102	6.926475	6.912835	6.919699	6.893669
C11ORF42	C11ORF42	7.004673	6.976215	6.890543	7.073084	6.964315	7.050718	6.847211	6.951408	6.880815	7.030221	6.771666	6.847906
C11ORF44	C11ORF44	6.834346	6.952069	6.885055	6.991632	6.827603	6.938103	6.864696	6.940197	6.875743	6.97349	6.83944	6.749655
C11ORF45	C11ORF45	6.964801	7.086061	6.867371	7.066763	7.087081	7.032489	7.073924	6.985736	7.002489	6.986054	6.965005	6.820714
C11ORF46	C11ORF46	9.441949	9.567305	9.262055	9.496358	9.589635	10.80094	9.952491	10.00171	10.05438	9.990115	9.239497	9.441822
C11ORF47	C11ORF47	7.200051	7.348476	7.031207	7.393183	7.27703	7.245717	7.12548	7.063805	7.135101	7.142045	6.920131	6.98515
C11ORF48	C11ORF48	10.6357	11.27057	10.51341	10.27982	9.805323	10.20084	9.851016	9.638588	9.836814	9.932062	9.94174	9.236788
C11ORF49	C11ORF49	7.200899	7.359689	7.201289	7.550577	7.514722	7.581773	7.433839	7.552796	7.483137	7.544288	7.419373	7.370704
C11ORF51	C11ORF51	8.791372	9.230982	8.656935	8.577052	8.418556	8.844296	8.87461	8.658055	8.814193	8.948656	8.717089	8.220167
C11ORF52	C11ORF52	7.00152	7.227029	6.951638	7.088096	7.159706	7.026132	7.060435	7.129324	6.91885	7.10023	6.959723	6.876463
C11ORF53	C11ORF53	6.783748	7.075795	6.822647	6.964295	6.85449	7.068255	6.740888	6.966702	6.944071	6.848725	6.856283	6.835204
C11ORF54	C11ORF54	8.628276	8.67785	7.969983	8.563459	8.777675	9.242179	8.805546	8.92027	8.682451	8.709894	8.578943	8.638117
C11ORF55	C11ORF55	6.995383	7.173254	6.878696	7.127574	6.970436	7.07294	6.951789	7.06515	7.042526	7.02143	6.921667	6.92745
C11ORF56	C11ORF56	8.124268	8.352758	8.196148	8.509562	8.282347	8.145013	8.078293	8.230609	8.121379	8.167686	8.277072	7.990549
C11ORF61	C11ORF61	8.275431	8.620366	8.1862	8.49722	8.37641	8.303654	8.031871	7.864876	8.046216	7.674583	7.526365	7.714252

C11ORF63	C11ORF63	7.106556	7.453163	7.07874	7.38358	7.357393	7.282422	7.322562	7.244632	7.248358	7.215335	7.064265	7.269299
C11ORF65	C11ORF65	7.006061	7.29397	6.951773	7.196204	7.032305	7.254857	7.132074	7.079374	7.059896	7.105772	6.969954	7.105563
C11ORF70	C11ORF70	7.113626	7.28036	6.939183	7.13272	6.968923	7.112477	6.961946	7.078751	6.953802	6.951606	6.841063	6.851519
C11ORF71	C11ORF71	7.222732	7.754115	7.225858	7.37888	7.586714	8.175605	7.905468	7.962812	7.695628	7.938952	7.645505	7.713312
C11ORF76	C11ORF76	6.726261	7.01895	6.771426	6.97788	6.902841	6.865965	6.792943	6.947754	6.844848	6.850111	6.767303	6.785954
C11ORF77	C11ORF77	7.122813	7.375411	7.038733	7.077219	7.137583	7.257482	7.054752	7.187607	7.014456	7.046872	7.097681	7.064764
C11ORF9	C11ORF9	7.04344	7.079647	7.176939	8.707852	9.786981	7.933072	7.87966	7.920159	7.686889	7.476164	7.46359	6.915817
C12ORF10	C12ORF10	11.29	11.35897	10.65772	10.6434	10.52325	11.04282	10.62164	10.46926	10.78775	10.62614	10.21179	10.36767
C12ORF11	C12ORF11	8.853544	8.649462	8.188436	8.223213	8.012357	8.675505	8.036905	8.0519	8.029559	7.830852	7.89423	8.047506
C12ORF12	C12ORF12	6.892523	7.191792	6.863174	6.977272	6.871039	6.954363	6.816661	6.946685	6.8004	6.926049	6.678299	6.901139
C12ORF23	C12ORF23	7.471273	7.829059	7.922435	9.051029	9.516287	9.453393	9.600009	9.116932	9.564135	9.33464	9.084325	9.556083
C12ORF24	C12ORF24	9.723458	9.759894	8.858321	9.182503	9.348059	10.0278	9.434378	9.491039	9.623902	9.668417	9.722082	9.475781
C12ORF25	C12ORF25	6.888042	7.264209	6.892156	7.20417	7.022034	7.143871	6.85621	6.98191	6.933412	6.909034	6.901198	6.760546
C12ORF26	C12ORF26	9.251771	9.782762	9.552367	9.487407	9.380443	10.00678	9.569809	9.532825	9.518985	9.425381	8.880823	9.013783
C12ORF28	C12ORF28	7.27389	7.522853	7.633613	7.209803	7.259223	7.996648	7.665451	7.669667	7.393063	7.351534	6.944558	7.059487
C12ORF29	C12ORF29	8.014655	8.216703	8.175679	8.778178	8.772836	9.032522	8.6118	8.682606	8.621063	8.716416	8.413001	8.329984
C12ORF30	C12ORF30	8.458832	8.940539	8.262696	8.536196	8.373433	8.841977	8.348478	8.213435	8.19367	8.060795	7.913219	8.075876
C12ORF31	C12ORF31	9.117911	9.585054	8.732324	8.976815	8.752665	10.41008	9.630035	9.618843	9.573965	9.984078	9.986944	9.590401
C12ORF32	C12ORF32	8.909784	9.634081	8.604733	8.586601	8.852484	8.69601	8.172148	8.231481	7.947887	8.025483	7.827206	7.662865
C12ORF34	C12ORF34	6.90317	7.127111	7.742975	7.783259	7.335452	7.601963	7.238767	7.411395	7.293162	7.397045	7.143604	7.069551
C12ORF35	C12ORF35	9.184007	9.263633	9.193522	9.569502	9.087622	8.200004	7.710594	7.654868	7.64546	7.561726	7.383716	7.432891
C12ORF36	C12ORF36	6.885384	7.127329	7.010794	7.100056	6.949468	6.995938	6.820121	6.979857	6.862001	7.066474	6.730762	6.996951
C12ORF38	C12ORF38	6.968405	7.097757	6.850972	7.083045	7.069605	6.875679	6.758172	6.84613	6.946641	7.030939	6.769225	6.906057
C12ORF39	C12ORF39	6.994098	7.088129	6.816304	7.015988	7.026707	7.394193	7.531859	7.812859	7.77751	8.08824	7.628249	7.495985
C12ORF4	C12ORF4	7.74929	8.258996	7.94314	8.668012	8.303372	9.232229	8.612642	8.91284	8.853121	8.881259	8.662922	8.663403
C12ORF40	C12ORF40	6.787761	7.037243	6.731974	6.960415	6.83373	6.900929	6.811677	6.889636	6.818856	6.909029	6.778812	6.787129
C12ORF41	C12ORF41	11.09452	11.53909	11.31001	11.32459	11.06072	11.62741	11.0289	11.0832	11.13213	10.98498	10.47353	10.6483
C12ORF42	C12ORF42	6.817375	6.950541	6.813175	7.034249	6.792632	6.926276	6.762544	6.837394	6.840328	6.807348	6.791749	6.717785
C12ORF43	C12ORF43	8.420306	8.939949	8.14153	8.439968	8.269544	8.37442	8.072168	8.174607	8.065663	8.201481	8.230921	8.070948
C12ORF44	C12ORF44	9.885036	10.1365	9.382793	9.638329	9.455892	10.24047	9.512279	9.774173	9.548309	9.633089	10.18302	9.905094
C12ORF45	C12ORF45	9.721995	10.19754	9.273775	8.853597	8.635308	9.010889	8.271846	8.069644	8.125997	8.116082	8.136092	7.732246
C12ORF46	C12ORF46	6.763657	7.022945	7.59995	8.989105	9.243982	7.089393	6.961515	6.998314	7.311906	7.007146	6.710953	6.764427
C12ORF47	C12ORF47	11.06417	10.83049	10.07154	10.13469	10.02053	11.21688	10.85536	10.66112	11.00749	10.91254	10.32796	10.65473
C12ORF48	C12ORF48	10.22791	10.79133	10.25564	9.955334	9.378699	9.165215	8.818284	8.487217	8.752659	8.529071	7.974903	7.801609
C12ORF49	C12ORF49	8.00546	8.325083	8.088381	8.297875	7.83814	8.111228	7.650485	7.73499	7.805946	7.567956	7.759557	7.513143
C12ORF5	C12ORF5	8.634036	9.01236	8.576371	8.95134	8.765599	9.9419	9.039479	8.989949	8.823644	8.7392	8.893613	8.706158

C12ORF50	C12ORF50	6.814217	7.110194	6.826037	7.032279	6.826822	6.887033	6.903126	6.92061	6.895333	6.984836	6.745621	6.797642
C12ORF52	C12ORF52	9.579944	9.668023	8.885712	9.006118	8.756177	8.811919	8.724929	8.636431	8.711485	8.758238	8.387574	8.696497
C12ORF53	C12ORF53	6.990562	7.040061	6.794783	6.938211	6.945827	7.06478	6.72085	6.9594	6.80917	6.864841	6.897295	6.769975
C12ORF54	C12ORF54	6.901514	7.068074	6.848657	6.929866	6.959745	6.971832	6.949335	6.931295	6.860016	6.903201	6.859579	6.883287
C12ORF57	C12ORF57	11.56063	12.46944	11.58917	11.58008	11.73312	12.50754	12.10054	11.88925	12.17806	12.10675	12.19476	11.57882
C12ORF58	C12ORF58	7.417876	7.625999	7.326669	7.672659	7.609641	8.238317	7.749053	7.761421	7.72809	7.73049	7.567317	7.793686
C12ORF59	C12ORF59	6.857391	6.984154	6.876591	7.013086	6.941057	7.075194	6.888363	6.944782	6.887068	6.897366	6.737829	6.885091
C12ORF60	C12ORF60	7.42685	7.89105	7.259396	7.501508	7.34313	7.676391	7.25445	7.276304	7.395124	7.341143	7.261046	7.363705
C12ORF61	C12ORF61	6.971714	7.115223	6.900349	7.041475	7.003412	7.111926	7.000748	7.058322	6.974164	7.141541	7.093252	6.876338
C12ORF62	C12ORF62	8.060464	8.827393	8.272745	8.558972	8.905068	10.242	10.60181	10.36972	10.73638	10.84564	10.34649	10.4886
C12ORF64	C12ORF64	6.924086	6.961236	6.742097	7.353873	7.595187	7.701227	7.295141	7.221667	7.227378	7.049023	6.812722	6.954784
C12ORF8	C12ORF8	6.899924	7.167071	6.848523	7.119712	6.905686	7.066278	6.962384	7.0227	7.074041	7.042669	6.819956	7.00966
C13ORF1	C13ORF1	7.229868	7.606455	7.523098	8.02422	8.36988	8.802692	8.338042	8.280955	8.342088	8.371481	8.413409	8.215371
C13ORF10	C13ORF10	8.726673	9.118392	8.381513	8.746746	8.624708	8.811804	8.319176	8.377642	8.470063	8.404262	8.214	8.303147
C13ORF16	C13ORF16	6.793291	7.083994	6.809344	6.95338	6.91193	7.030759	6.950563	7.053001	6.889252	6.999895	6.977917	6.995996
C13ORF18	C13ORF18	7.256914	7.528844	7.849495	7.649439	7.057697	7.091052	6.868525	6.912566	6.889444	6.996724	6.778448	6.879646
C13ORF21	C13ORF21	7.754519	8.018802	7.501232	7.527662	7.36386	7.797133	8.149901	7.815504	7.994052	7.674615	7.385477	7.462541
C13ORF23	C13ORF23	10.17346	10.22832	9.340663	9.349279	9.051012	8.88506	8.448207	8.49066	8.332926	8.251654	8.176371	7.985259
C13ORF24	C13ORF24	7.489786	7.6781	7.546178	8.014247	7.95446	8.155931	7.978038	8.050856	8.085707	8.039956	7.661495	7.866389
C13ORF25	C13ORF25	9.268566	9.369168	8.839769	8.280785	8.504972	7.604039	7.475785	7.290135	7.386736	7.227786	7.019178	7.071046
C13ORF26	C13ORF26	6.847461	7.003136	6.8182	7.004497	6.913158	6.925321	6.858389	6.844972	6.877533	7.035539	6.822808	6.850975
C13ORF3	C13ORF3	9.436455	10.61172	8.959255	8.685113	8.110013	8.06926	7.748807	7.573176	7.700036	7.46027	6.951918	6.976119
C13ORF6	C13ORF6	6.953162	7.066425	6.991193	7.149936	7.058057	7.287743	7.085605	7.108887	7.042269	7.035939	7.00228	7.09995
C13ORF7	C13ORF7	8.512437	9.355731	9.098152	9.618954	9.11848	9.526877	8.870031	8.823916	9.001438	8.574326	8.140139	8.369823
C13ORF8	C13ORF8	10.61361	10.78557	10.53432	10.6498	10.48445	10.38551	9.676984	9.838359	9.559026	9.648869	9.440356	9.22522
C14ORF1	C14ORF1	7.093304	7.225988	6.874384	7.094012	7.121771	7.268619	6.926801	7.138861	7.160905	7.086383	6.880073	7.151702
C14ORF10	C14ORF10	9.372029	9.659398	9.779792	10.04201	9.883139	10.24578	9.953943	10.27203	10.41185	10.17043	10.35693	10.00648
C14ORF10	C14ORF10	7.093988	7.390412	7.116369	7.483868	7.241267	7.40916	7.073995	7.097623	7.082926	7.223316	6.92038	7.067176
C14ORF10	C14ORF10	8.236947	8.996381	9.073191	8.914706	8.90715	8.829672	8.559698	8.425117	8.599487	8.4234	8.192295	8.157499
C14ORF10	C14ORF10	7.480904	7.837896	7.306947	7.762877	7.666873	7.845348	7.725642	7.662054	7.723924	7.815444	7.669823	7.765459
C14ORF10	C14ORF10	9.299903	9.697942	8.999397	8.958648	8.736313	8.708213	8.510034	8.556318	8.429923	8.467635	8.131464	8.212748
C14ORF10	C14ORF10	6.86071	7.024311	6.907846	6.982343	6.867221	6.942032	6.858567	6.943279	6.993481	6.929355	6.811156	6.907441
C14ORF10	C14ORF10	11.12344	11.419	10.82299	10.42077	9.798047	9.669612	9.214438	9.142232	9.120018	8.8987	7.847429	7.881819
C14ORF10	C14ORF10	9.203881	9.897058	9.419411	9.518197	9.286934	10.56032	9.940105	9.981307	9.903195	9.789168	9.44515	9.564827
C14ORF11	C14ORF11	6.975312	7.340328	7.070054	7.33318	7.197697	7.417947	7.242645	7.117898	7.187493	6.973807	6.85379	6.959861
C14ORF11	C14ORF11	10.87453	11.33571	10.99697	10.56742	10.52055	11.3784	10.85717	10.63065	10.92128	10.80093	10.73325	9.986746

C14ORF11	C14ORF11	8.506201	8.838967	8.363209	7.359771	7.014742	7.228528	6.925861	7.057156	6.986978	6.924968	6.987734	6.934697
C14ORF11	C14ORF11	7.298429	7.609495	7.365858	7.383767	7.252835	7.342854	7.12544	7.198569	7.120987	7.217369	7.073872	7.090647
C14ORF11	C14ORF11	7.127794	7.292746	6.973435	7.21282	6.997109	7.037729	7.207365	6.981653	7.030653	7.066241	7.073486	7.143067
C14ORF12	C14ORF12	9.741639	10.1692	9.633169	9.618725	9.394087	10.28475	9.173913	9.390636	9.419836	9.468742	9.431243	9.459336
C14ORF12	C14ORF12	7.274572	7.319988	6.910211	7.186337	6.947898	7.305545	6.930531	7.060061	6.97378	7.020341	6.881528	6.989272
C14ORF12	C14ORF12	8.96468	9.519472	8.592029	8.547814	8.758706	9.681999	9.217729	8.798723	9.029691	9.092608	8.298349	8.740014
C14ORF12	C14ORF12	7.991281	8.116643	7.626545	7.831948	7.836372	8.433233	8.447097	8.44115	8.364322	8.459538	8.052952	8.126464
C14ORF12	C14ORF12	6.87479	7.150822	6.855991	7.010049	7.006965	6.957275	7.040995	6.957314	7.059213	6.941021	6.874846	6.981795
C14ORF12	C14ORF12	7.210299	7.477801	7.102823	7.406926	7.596443	7.530189	7.390612	7.457818	7.260787	7.39116	7.35916	7.209009
C14ORF12	C14ORF12	7.045647	7.163144	6.972782	7.331659	7.314281	7.495456	7.286176	7.166357	7.156176	7.315054	6.960012	7.167068
C14ORF12	C14ORF12	9.578001	10.0688	9.489494	9.441188	9.229008	10.03208	9.276787	9.38186	9.297732	9.191423	9.263207	8.965886
C14ORF13	C14ORF13	8.409074	8.859855	8.447842	8.680122	8.2783	9.028909	8.723758	8.629613	8.539475	8.764713	8.504862	8.59658
C14ORF13	C14ORF13	8.780436	9.01057	8.940142	8.946421	8.878474	8.897217	8.707279	8.628774	8.551944	8.3536	7.976182	8.231873
C14ORF13	C14ORF13	10.21414	9.940452	9.377374	9.958848	10.89216	10.18087	10.27301	10.26272	10.40715	9.845645	9.338935	9.216155
C14ORF13	C14ORF13	7.867726	8.10621	7.808254	8.226908	8.055017	8.103443	8.045759	8.204162	8.116304	8.0051	8.035752	7.736974
C14ORF13	C14ORF13	9.703797	10.16133	10.45052	10.9586	10.77157	10.27112	9.897236	9.832534	10.05681	9.623992	9.539847	9.465995
C14ORF13	C14ORF13	8.408005	8.852041	8.542261	8.531694	8.378229	8.698886	8.188886	8.165326	8.251896	8.009028	8.02102	8.139399
C14ORF13	C14ORF13	6.917689	6.988211	6.825968	7.309461	7.037834	7.153862	6.977567	7.000556	7.069071	7.023103	6.854407	6.895982
C14ORF14	C14ORF14	7.222623	7.659573	7.05595	7.46235	7.377609	8.045439	7.918631	7.837234	7.840152	7.843311	7.545318	7.730229
C14ORF14	C14ORF14	8.43847	8.891236	8.55984	8.762626	8.631644	9.923236	9.413288	9.270647	9.289326	9.357881	9.259146	8.967337
C14ORF14	C14ORF14	7.814158	8.386549	8.209755	8.08471	7.956373	7.866776	7.608935	7.491453	7.547461	7.513233	7.321421	7.143322
C14ORF14	C14ORF14	6.871694	7.137392	6.923043	7.075382	6.954064	7.056445	6.943686	6.996615	7.006678	6.998131	6.842168	6.888622
C14ORF14	C14ORF14	7.700959	8.288436	7.795578	8.320221	7.634024	7.459814	7.391297	7.246878	7.198267	7.212207	6.882208	6.985248
C14ORF14	C14ORF14	9.350431	9.372235	9.085608	9.42387	9.370931	9.872289	9.087684	9.105667	8.952658	9.036365	8.778494	8.685331
C14ORF14	C14ORF14	6.936848	6.893482	6.725563	6.88782	6.89461	7.007163	6.916375	6.802537	6.894316	6.900746	6.679409	6.735878
C14ORF14	C14ORF14	7.422625	7.741205	7.406752	7.724942	7.642913	8.109454	7.88006	8.084817	8.177508	8.211342	8.473934	7.768643
C14ORF15	C14ORF15	7.030956	7.327358	7.039124	7.1323	7.12938	7.178171	7.039543	7.066889	7.055153	7.089115	6.971889	6.896245
C14ORF15	C14ORF15	7.852833	7.940914	7.711726	7.852975	7.599924	7.451357	7.616238	7.724477	7.729358	7.72155	8.010455	7.629692
C14ORF15	C14ORF15	6.823353	7.070928	6.79964	7.026571	7.025762	7.092365	6.935739	6.895462	7.273092	6.909473	6.785248	6.877616
C14ORF15	C14ORF15	9.414286	10.19228	9.610908	10.0689	10.33657	10.16476	10.16118	9.996574	9.967592	9.932133	9.860868	9.92441
C14ORF15	C14ORF15	6.821925	7.038824	6.767652	7.020583	6.935466	7.026855	6.812119	6.88447	6.885011	6.982524	6.762482	6.726337
C14ORF15	C14ORF15	13.67332	14.27846	13.51285	13.04872	13.13155	13.80833	13.30786	13.23668	13.39999	13.36165	13.26474	12.47172
C14ORF15	C14ORF15	8.796746	9.091549	8.351955	8.804908	9.353974	10.61603	10.41294	10.57426	10.20238	10.56587	10.03109	9.766083
C14ORF16	C14ORF16	6.900114	7.00659	6.745707	7.013322	6.882131	6.980416	6.786488	6.9985	6.824177	6.921994	6.691272	6.847804
C14ORF16	C14ORF16	6.999782	7.122579	6.872846	6.98323	6.933011	6.914719	6.901464	6.913548	6.891481	6.994099	6.888295	6.771584
C14ORF16	C14ORF16	6.997746	7.014682	6.925794	7.016578	6.873038	7.096535	6.994754	6.893175	7.013421	6.904385	6.792775	6.903161

C14ORF16	C14ORF16	11.57382	12.22057	11.39979	11.35384	11.26651	11.82556	11.73846	11.40153	11.71544	11.44948	11.22495	10.94487
C14ORF16	C14ORF16	6.911168	7.244019	6.81187	7.08176	7.068974	7.020689	7.028355	7.030195	6.900198	7.079949	6.892645	6.993268
C14ORF16	C14ORF16	9.416993	9.665369	8.668339	8.67774	8.515357	8.86163	8.63303	8.271538	8.499964	8.180063	8.062073	8.154625
C14ORF17	C14ORF17	7.608193	7.960394	7.307937	7.511014	7.249418	7.496825	7.28284	7.356211	7.31065	7.243316	7.457417	7.487235
C14ORF17	C14ORF17	9.450471	9.226217	9.287729	9.455181	9.395168	9.389934	9.252707	9.288519	9.279779	9.253183	9.247286	9.63994
C14ORF19	C14ORF19	7.043871	7.301198	6.89389	7.20206	7.20467	7.168367	7.14434	7.038237	7.252762	7.251885	7.11329	7.012009
C14ORF2	C14ORF2	10.0096	10.40009	10.11574	10.60759	10.89561	12.26528	11.75097	11.64027	11.96405	11.87824	11.56047	11.12119
C14ORF21	C14ORF21	7.350238	7.750844	7.285591	7.635856	7.357068	7.447042	7.301608	7.376049	7.204475	7.248783	7.246685	7.346572
C14ORF24	C14ORF24	11.891	12.42883	11.87678	12.44446	12.23597	12.1445	12.39505	11.98239	12.24483	12.21624	11.57676	12.10225
C14ORF28	C14ORF28	8.378081	8.275243	8.30993	8.449613	8.405094	9.159887	8.627407	8.581702	8.607383	8.43765	7.882124	8.040497
C14ORF29	C14ORF29	7.344182	7.173955	6.89614	7.069238	6.939276	7.047737	6.862338	6.931509	6.892738	6.927446	6.819257	6.915228
C14ORF32	C14ORF32	10.36526	10.49109	10.25072	10.66788	10.53484	10.86214	10.25389	10.33619	10.14251	10.15007	10.03587	9.870847
C14ORF37	C14ORF37	8.161604	7.964619	8.276636	8.3809	8.270443	8.743605	8.348947	8.245881	8.000522	7.890209	7.778672	7.893893
C14ORF39	C14ORF39	6.945782	7.089337	6.928173	7.000274	7.053816	7.059657	6.934318	7.024197	6.995625	7.003338	6.843088	6.893356
C14ORF4	C14ORF4	9.835987	10.37461	9.234657	9.355937	10.0119	10.68411	10.20067	9.817021	10.11092	9.922439	9.407192	10.33399
C14ORF43	C14ORF43	7.438825	7.874059	7.771975	8.088024	7.980003	8.064545	7.698341	7.621937	7.858841	7.692987	7.357383	7.532403
C14ORF44	C14ORF44	6.723904	7.036693	6.750076	6.891825	6.882636	7.050792	6.975877	7.037919	6.831021	7.004255	6.921642	6.99607
C14ORF45	C14ORF45	6.858665	7.212469	7.121092	7.565409	7.72805	7.732845	7.887773	7.786824	7.901511	7.67299	7.57091	7.469853
C14ORF46	C14ORF46	7.826969	8.152762	7.771054	7.914867	7.82706	8.328157	7.899018	8.046052	7.899268	8.111212	8.053875	7.861957
C14ORF48	C14ORF48	6.976388	7.303526	6.909675	7.137326	7.028755	7.221727	7.034437	7.098828	7.005352	7.097017	6.89947	7.014787
C14ORF49	C14ORF49	6.915519	7.137085	6.912612	7.069223	7.105017	6.974261	7.008892	7.048114	7.008333	7.107894	6.809161	6.891677
C14ORF50	C14ORF50	6.859586	7.197349	6.873785	7.169338	7.104362	7.305323	7.080326	7.283931	6.992856	7.197315	6.901029	7.021821
C14ORF54	C14ORF54	6.881142	6.987888	6.85407	6.99588	6.923658	6.979379	6.92874	6.893468	6.833501	6.954695	6.752022	6.786181
C14ORF58	C14ORF58	8.260083	8.85224	8.766628	8.081479	7.875344	8.217052	7.875186	7.575393	7.712309	7.652669	7.271879	7.414607
C14ORF68	C14ORF68	7.128599	7.106902	6.82332	7.066803	6.990688	6.957156	6.982134	6.954156	6.962735	6.997164	6.713701	6.847809
C14ORF70	C14ORF70	6.899829	7.186138	6.830578	7.103576	6.896193	7.061374	6.868065	6.923103	6.80523	6.953678	6.785489	6.910619
C14ORF72	C14ORF72	6.848178	7.121796	6.778844	7.095277	6.927129	6.96311	6.804966	6.966761	6.900374	6.868978	6.822927	6.816055
C14ORF73	C14ORF73	6.888772	7.06922	6.77787	7.067349	6.935871	7.019048	6.962362	7.047577	6.914128	7.05004	6.755702	6.861447
C14ORF78	C14ORF78	7.413444	7.891783	7.560504	8.02764	8.674975	8.303005	7.622665	7.769286	7.79899	7.974952	9.191484	9.816621
C14ORF79	C14ORF79	7.26871	7.516761	7.366214	7.864108	7.863003	7.711555	7.490907	7.661791	7.624181	7.397239	7.445777	7.581532
C14ORF8	C14ORF8	6.844371	6.982685	6.782018	7.104107	6.940817	6.954781	6.858396	6.983877	6.861188	6.854088	6.812203	6.810124
C14ORF80	C14ORF80	7.826342	8.425229	8.144589	8.19212	8.098123	8.256439	8.054458	7.805666	7.862211	7.714892	7.32858	7.565064
C14ORF82	C14ORF82	7.370912	7.803226	7.496139	7.779105	7.935931	7.870903	7.747854	7.634801	7.55883	7.52859	7.273511	7.491102
C14ORF85	C14ORF85	10.62421	11.42291	10.92397	11.29974	11.5351	11.33966	11.62979	11.17441	11.26001	11.4101	11.18452	11.44754
C14ORF92	C14ORF92	7.328687	7.736837	7.388467	7.568761	7.631357	8.139619	8.067803	7.829201	7.950657	8.075271	7.875507	8.031684
C14ORF93	C14ORF93	8.762228	8.604516	8.074634	8.335479	8.386361	8.515812	8.244487	8.303536	8.410993	8.25211	7.615899	8.088171

C14ORF94	C14ORF94	9.007489	9.121531	8.64726	8.49229	8.348246	8.879242	8.627318	8.736599	8.507594	8.626766	8.200538	8.146197
C15ORF15	C15ORF15	12.94293	13.21118	12.58449	12.62899	12.41836	12.76722	12.2909	12.12491	12.68412	12.31082	11.73104	12.20376
C15ORF17	C15ORF17	9.209537	9.746069	9.01217	9.671273	9.725367	10.39571	10.29427	10.21838	10.04202	10.19149	9.319927	9.851829
C15ORF2	C15ORF2	6.841748	7.000268	6.882774	7.017597	6.969268	7.013004	6.852726	6.932355	6.949788	6.854789	6.718286	6.863661
C15ORF20	C15ORF20	6.904631	6.978055	6.833652	7.045813	6.941998	6.997288	6.978256	7.060302	6.941495	7.029732	6.874138	6.786284
C15ORF21	C15ORF21	6.958746	7.184352	7.01304	7.201499	7.073422	7.100173	7.058888	7.077308	6.980536	7.056927	6.853508	7.030917
C15ORF23	C15ORF23	9.304563	9.619257	8.996374	9.087498	8.846352	9.482676	8.922179	9.151862	9.097665	8.987495	8.633345	8.200296
C15ORF24	C15ORF24	10.91711	11.56044	10.99971	11.33142	11.4865	12.43545	11.90929	12.23391	12.16376	12.222	12.56486	12.49325
C15ORF26	C15ORF26	6.834525	7.162535	6.923084	7.0053	7.000304	7.00751	6.862775	6.913722	6.917568	6.904462	6.860475	6.854588
C15ORF27	C15ORF27	7.127483	7.234118	6.942352	6.957218	7.022924	6.989436	6.925595	6.929774	6.848584	6.847261	6.747912	6.800989
C15ORF28	C15ORF28	7.379973	7.853953	7.672553	7.855217	7.6747	7.760005	7.630453	7.529313	7.451802	7.396914	7.051361	7.213333
C15ORF29	C15ORF29	7.441281	7.978265	7.23925	7.804331	7.612261	7.455861	7.63435	7.325892	7.579618	7.346605	7.09665	7.307017
C15ORF32	C15ORF32	6.836362	7.006306	6.770234	6.894025	6.921344	6.91886	6.739588	6.891763	6.763558	6.891489	6.672115	6.789158
C15ORF33	C15ORF33	7.035395	7.240761	6.84734	6.936337	6.979083	7.187507	6.973999	7.036004	6.988899	6.875405	6.720319	6.876127
C15ORF37	C15ORF37	7.008216	7.030518	6.764072	7.106853	6.910508	6.997234	6.910726	7.021197	6.828659	7.023796	6.80906	6.826355
C15ORF38	C15ORF38	7.377642	7.770132	7.632841	7.870266	8.205044	8.609739	8.41318	8.395609	8.303087	8.301555	8.003537	8.16372
C15ORF39	C15ORF39	7.914001	7.874746	7.514263	8.615408	8.792375	7.961984	7.729427	7.916227	7.792415	7.713016	7.745929	7.500681
C15ORF40	C15ORF40	7.483742	7.87845	7.454928	7.704656	7.766365	8.104408	7.963603	7.798633	7.741882	7.850056	7.478135	7.638029
C15ORF41	C15ORF41	7.969436	8.430633	7.725574	8.209872	8.030696	8.510124	8.591942	8.947771	8.169942	8.742636	9.072252	9.826771
C15ORF42	C15ORF42	8.446579	8.405037	7.605293	7.876597	7.547528	7.127359	7.009824	7.071354	7.129673	7.1867	6.846961	6.982809
C15ORF43	C15ORF43	6.945108	7.148846	6.895789	7.10701	6.940319	7.084645	6.914486	7.003597	6.930255	6.990978	6.854452	6.937735
C15ORF44	C15ORF44	7.810603	8.003027	7.769597	8.077196	7.863206	7.889927	7.526127	7.746965	7.64816	7.698897	7.459727	7.464697
C15ORF48	C15ORF48	6.843884	7.007267	6.900091	7.082176	6.936614	7.005999	6.879326	6.919942	6.943522	7.054873	6.828669	6.879921
C15ORF5	C15ORF5	6.971732	7.252831	6.978144	7.373863	7.190471	7.236483	7.137435	7.074377	7.080121	7.050481	6.900887	6.945816
C16ORF24	C16ORF24	8.607756	9.229049	8.559008	9.003775	9.043878	9.562572	9.368161	9.452556	9.459957	9.752296	9.820572	9.512367
C16ORF25	C16ORF25	6.858748	7.112566	6.815142	7.002138	6.934305	6.943428	6.885102	6.825273	6.754684	6.899457	6.757535	6.841692
C16ORF28	C16ORF28	8.156473	8.236503	7.555088	7.927063	7.781328	7.608636	7.526068	7.667528	7.74032	7.801414	7.530799	7.548526
C16ORF3	C16ORF3	6.835463	7.112545	6.847225	7.047108	6.966875	7.116043	6.884418	6.937562	6.910765	7.020344	6.794365	7.002939
C16ORF30	C16ORF30	6.794102	7.018095	6.868105	7.15333	7.095246	7.026959	6.849477	6.893372	7.026469	6.98092	6.852189	6.856855
C16ORF33	C16ORF33	11.17694	11.70573	11.18161	11.28182	11.26658	11.49945	11.32517	11.41346	11.10444	11.42836	11.28603	10.89749
C16ORF34	C16ORF34	8.348495	8.335201	8.088955	8.338802	7.883635	7.803946	7.720501	7.7918	7.629555	7.717402	7.670323	7.611443
C16ORF35	C16ORF35	9.479315	9.372439	8.639151	9.152633	9.076256	8.903791	8.731037	8.6802	8.896339	8.730578	8.476066	8.687625
C16ORF44	C16ORF44	8.275629	8.273431	7.729523	8.043836	7.921558	7.782977	7.557997	7.70125	7.678829	7.613593	7.753692	7.946888
C16ORF45	C16ORF45	7.437128	7.717879	7.140361	7.360628	7.198497	7.251972	7.273037	7.431531	7.612669	7.399561	7.651988	7.335892
C16ORF46	C16ORF46	6.984069	7.083968	6.824593	7.048982	6.960722	7.048133	6.816219	6.973754	6.850928	6.971436	6.860252	6.770027
C16ORF47	C16ORF47	6.916715	7.154205	6.738824	7.084754	6.997815	7.049218	6.913799	6.95048	6.965281	7.033322	6.967109	6.941754

C16ORF48	C16ORF48	8.940528	9.277113	9.027522	9.409653	9.563433	9.501355	9.17395	8.92307	9.182148	9.246088	8.370303	8.880421
C16ORF5	C16ORF5	7.740038	7.869266	7.332299	7.427487	7.291057	7.47274	7.30079	7.424105	7.287078	7.330956	7.244416	7.198059
C16ORF50	C16ORF50	6.972969	7.268879	6.963238	7.184061	7.04588	7.161934	7.033777	7.044937	7.091828	7.113443	6.921899	6.989254
C16ORF52	C16ORF52	7.110096	7.41259	7.054688	7.344551	7.256586	7.563716	7.345949	7.247501	7.179175	7.378932	7.20623	7.149492
C16ORF53	C16ORF53	9.468521	9.950873	9.417033	9.009356	8.888152	9.408967	9.110264	9.018216	9.047759	8.941639	8.592791	8.771615
C16ORF54	C16ORF54	7.000793	7.093424	6.901149	7.179453	6.968612	7.094389	7.06485	7.056557	7.004244	7.008927	6.875163	6.919797
C16ORF55	C16ORF55	6.927224	7.143828	7.022754	7.29222	7.147422	6.88995	6.877102	6.961468	6.962034	6.94699	6.714333	6.819856
C16ORF56	C16ORF56	8.736793	9.046942	8.625316	8.95867	8.730518	8.825468	8.378736	8.435296	8.265156	7.92061	7.955169	7.660706
C16ORF57	C16ORF57	8.443593	8.857692	8.921665	9.05383	8.636696	8.979519	8.785228	8.902911	8.522629	8.732622	8.569397	8.252664
C16ORF58	C16ORF58	10.15019	10.41923	10.06256	10.79737	11.106	10.96794	10.6344	10.59144	10.86995	10.86828	10.4547	10.91314
C16ORF60	C16ORF60	10.6289	11.27104	10.84121	10.49003	9.997862	10.17879	9.701963	9.594858	9.602423	9.538144	8.932937	7.942531
C16ORF61	C16ORF61	11.76026	12.18604	11.8717	12.1559	12.07598	13.2544	12.93962	12.93273	13.12758	13.20902	12.93191	12.21132
C16ORF63	C16ORF63	10.62766	10.61815	10.16383	9.930687	9.993116	10.44418	9.627285	9.939036	9.804136	9.924601	9.985875	9.562709
C16ORF69	C16ORF69	8.194744	8.53691	8.226356	8.499048	8.672552	8.788461	8.581883	8.830051	8.700308	8.660507	9.014262	8.593359
C16ORF7	C16ORF7	7.10448	7.419676	7.233291	7.914431	8.16554	8.809664	8.580435	8.632025	8.464433	8.668597	8.584713	8.185851
C16ORF78	C16ORF78	6.78983	7.118287	6.737454	6.936076	6.779751	6.879941	6.828493	6.908707	6.856652	6.842893	6.756481	6.719542
C16ORF80	C16ORF80	9.921281	10.22299	10.37619	10.58527	10.56499	11.59404	11.02522	11.12788	11.15888	11.30186	10.70574	10.24515
C16ORF9	C16ORF9	9.578749	9.922095	9.211917	9.542434	9.435374	9.943828	9.716096	10.00715	9.733435	10.06234	10.35823	9.992407
C17ORF25	C17ORF25	10.37276	11.00057	10.56215	10.70828	10.49361	10.59108	10.02431	9.926144	10.13902	9.782322	9.623578	9.694845
C17ORF27	C17ORF27	7.035395	7.267357	6.936325	6.997029	7.018984	7.019571	6.911456	6.986991	6.981261	7.000837	6.820277	6.996929
C17ORF28	C17ORF28	7.366979	7.653036	7.08598	7.379021	7.344434	7.520097	7.339199	7.288299	7.286129	7.392031	7.21595	7.300684
C17ORF32	C17ORF32	8.392379	8.835596	8.713258	8.797217	8.479256	9.202404	8.700304	8.747425	8.812159	8.821325	8.487075	8.848311
C17ORF37	C17ORF37	7.358794	7.578723	7.102659	7.398273	7.4817	7.642001	7.761588	7.723825	7.703676	7.623223	7.558088	7.640907
C17ORF38	C17ORF38	6.896709	7.08569	6.833891	6.967126	7.066819	7.021589	6.98449	6.97387	6.912621	7.143556	6.900155	6.80374
C17ORF39	C17ORF39	7.734807	7.938062	7.475802	7.820562	7.761224	7.900526	7.802903	7.755426	7.793672	7.861941	7.504844	7.7212
C17ORF40	C17ORF40	10.44193	10.94363	10.07128	10.16403	9.948315	10.74664	10.01628	10.05833	10.06452	9.920069	9.75849	9.504288
C17ORF41	C17ORF41	7.232284	7.45295	7.135745	7.388382	7.145698	7.077953	6.974613	7.002049	6.968632	7.021253	6.84078	6.991175
C17ORF42	C17ORF42	6.931601	7.069278	6.869812	7.169819	7.12778	6.933939	6.830949	6.943887	6.862718	6.999368	6.711799	6.892055
C17ORF44	C17ORF44	6.942069	7.17805	6.925665	7.144756	7.349006	7.79171	7.565015	7.550732	7.448767	7.410525	7.173358	7.406765
C17ORF45	C17ORF45	13.86998	14.3072	13.64103	13.6692	14.08116	13.72681	13.63734	13.64976	13.88148	13.70884	13.74192	13.41064
C17ORF46	C17ORF46	7.057066	7.157384	6.86468	7.084274	7.078749	7.005524	6.959695	7.073802	6.919753	6.884413	6.841386	6.83066
C17ORF47	C17ORF47	6.948175	7.186893	6.89552	7.136866	7.006318	7.252151	7.037934	7.075915	7.019527	7.023839	6.955106	6.983622
C17ORF48	C17ORF48	7.700366	8.008701	7.865818	7.802839	7.974992	7.901386	7.583429	7.760685	7.957877	7.830766	7.588876	7.566227
C17ORF49	C17ORF49	9.862643	10.20472	9.67507	9.563347	9.544906	9.683607	9.518835	9.690021	9.589855	9.594008	9.917775	9.094501
C17ORF50	C17ORF50	6.81109	6.998871	6.755729	6.916705	6.83127	6.865204	6.839452	6.960406	6.735548	6.937296	6.69835	6.828722
C17ORF51	C17ORF51	7.020484	7.139345	7.02514	7.209033	7.01898	7.133526	7.037559	7.128876	7.006644	7.04825	6.925504	6.958749

C17ORF53	C17ORF53	10.24888	10.60709	9.673329	9.718197	9.163158	9.160717	8.802072	8.643439	8.666989	8.531145	8.03692	8.00172
C17ORF54	C17ORF54	6.896841	7.039383	6.738269	6.98338	6.951236	6.99081	6.860404	6.847751	6.917887	6.982137	6.879291	6.928102
C17ORF55	C17ORF55	6.832258	7.123457	6.867002	7.08546	7.031858	6.962574	6.84384	7.031516	6.856284	6.986511	6.721265	6.78218
C17ORF56	C17ORF56	7.350994	7.459483	7.182413	7.750234	7.520735	7.481541	7.281661	7.357089	7.202417	7.299262	7.177975	7.185603
C17ORF57	C17ORF57	7.020173	6.985556	6.907257	7.10543	6.922466	7.190659	6.918644	7.046867	6.925721	7.035182	6.837752	6.947109
C17ORF58	C17ORF58	9.853414	9.651834	9.238661	8.867897	9.125179	8.808069	8.386344	8.405343	8.584707	8.252475	8.426881	8.20488
C17ORF59	C17ORF59	7.095573	7.32386	6.83144	7.215596	7.266186	7.768169	7.264553	7.495195	7.448289	7.519274	7.334392	7.380264
C17ORF60	C17ORF60	6.930483	7.108161	6.692681	7.105369	6.936381	7.068859	6.878651	6.866611	6.777814	6.885255	6.778277	7.006644
C17ORF61	C17ORF61	11.84657	12.12212	11.83224	11.93219	12.02743	12.11262	11.86377	11.64465	11.90064	11.95212	11.95271	11.47792
C17ORF62	C17ORF62	8.591213	8.835697	8.367325	8.842789	8.634907	8.277238	8.248405	8.370176	8.374779	8.314812	8.583188	8.250144
C17ORF63	C17ORF63	10.12923	10.21473	9.349864	9.383342	9.153938	9.241939	8.980775	9.176221	9.052608	8.783166	8.919942	8.681786
C17ORF64	C17ORF64	6.925085	7.124101	6.84816	7.112765	6.95513	7.092405	6.956637	7.0515	6.98379	7.00099	6.908765	6.925904
C17ORF65	C17ORF65	7.383952	7.446785	7.162637	7.303971	7.300097	7.593248	7.426262	7.331929	7.3823	7.277289	7.195983	7.179605
C17ORF66	C17ORF66	6.878874	7.060889	6.818824	6.972712	6.855648	6.825685	6.818041	6.919651	6.900887	6.833604	6.701144	6.910011
C17ORF67	C17ORF67	6.962422	7.158851	6.879694	7.089153	6.94065	7.125155	6.940988	6.926707	6.868124	7.056164	6.823099	6.910166
C17ORF68	C17ORF68	8.219367	8.753985	7.659545	7.868416	7.748989	7.543958	7.400658	7.44524	7.48472	7.363056	7.226443	7.351397
C17ORF69	C17ORF69	8.04432	7.928804	7.259241	7.574702	7.56719	7.317977	7.339272	7.233134	7.292782	7.194944	6.93078	7.099996
C17ORF70	C17ORF70	10.9071	10.97811	9.90822	10.71032	10.67736	10.68742	10.41663	10.27821	10.35787	10.27973	9.852751	10.45343
C17ORF71	C17ORF71	8.44838	9.002711	8.556836	8.829218	8.491268	8.950995	8.481512	8.213433	8.444753	8.634864	7.973544	8.538373
C17ORF73	C17ORF73	7.33055	7.671186	7.372427	7.719182	7.377505	7.623604	7.448695	7.410216	7.473718	7.459894	7.336169	7.322379
C17ORF74	C17ORF74	7.002527	7.238242	6.930792	7.210988	7.152437	7.484122	7.069221	7.218552	7.087972	7.142649	6.994839	7.004436
C17ORF75	C17ORF75	8.573876	8.630855	8.187919	8.439912	8.562899	8.842333	8.526968	8.309171	8.421878	8.24939	7.450392	8.328467
C17ORF76	C17ORF76	7.215185	7.293292	6.963397	7.369645	7.222007	7.525087	7.40054	7.402578	7.296591	7.494546	7.221279	7.231335
C17ORF77	C17ORF77	6.841685	6.866537	6.640718	6.887737	6.782812	6.844916	6.81472	6.895586	6.766972	6.857794	6.783249	6.716284
C17ORF78	C17ORF78	6.904306	7.082699	6.76711	7.036852	6.81037	6.917363	6.8305	6.800596	6.719778	6.917471	6.770027	6.779768
C17ORF79	C17ORF79	8.974913	9.451858	8.986892	9.30339	9.33472	9.476924	9.193088	8.954503	9.268062	9.280041	8.944631	8.833377
C17ORF80	C17ORF80	7.906242	8.397229	7.974349	8.423103	8.192461	8.725196	8.220438	8.472966	8.136145	8.353169	8.27963	8.048999
C17ORF81	C17ORF81	7.824405	8.088886	7.812111	7.985857	7.873934	8.125534	7.881844	7.99806	7.928821	8.081175	7.897846	7.758556
C17ORF83	C17ORF83	6.867796	7.074843	6.812168	6.999586	7.027946	7.080386	6.955059	6.979193	6.848635	7.108321	6.930997	6.939241
C17ORF85	C17ORF85	8.638002	9.027844	8.738674	9.220744	8.914919	8.946769	8.519099	8.507048	8.55244	8.282811	8.26538	8.421541
C18ORF1	C18ORF1	6.91895	6.965075	6.848264	7.109144	7.005729	6.968254	7.225951	7.484389	7.348828	7.559784	7.608692	7.65626
C18ORF10	C18ORF10	9.979569	10.50372	9.674705	9.783914	9.454999	9.764553	9.31751	9.449795	9.312289	9.355925	9.478972	9.092811
C18ORF14	C18ORF14	6.872793	7.076758	6.890969	7.053247	6.912501	6.854872	6.901463	7.043323	6.831109	6.903387	6.778559	6.861533
C18ORF16	C18ORF16	6.781664	6.94778	6.804991	7.140552	6.911555	6.867719	6.905386	6.904287	6.93875	6.993634	6.837578	6.773381
C18ORF17	C18ORF17	8.622497	8.411471	7.372173	7.53203	7.388378	7.150681	7.108928	7.241541	7.208188	7.146748	7.052931	7.036641
C18ORF19	C18ORF19	7.986661	8.186981	7.596895	7.84021	7.812205	8.964352	8.277473	8.45029	8.334942	8.350252	8.614959	8.541457

C18ORF2	C18ORF2	6.976229	6.986819	6.848738	7.065148	7.004287	6.914236	6.951863	6.952804	6.865592	6.928034	6.819318	6.85207
C18ORF20	C18ORF20	6.834446	7.176712	6.892955	7.126298	7.714927	7.150928	6.852379	6.911799	7.027585	6.969077	6.899405	6.904699
C18ORF21	C18ORF21	9.223731	10.08297	9.373519	9.090682	9.210892	9.790007	9.260634	9.066108	9.424087	9.28428	8.996225	8.892325
C18ORF22	C18ORF22	8.325146	8.562419	8.273689	8.805227	8.129103	7.804474	7.726033	7.827754	7.752303	7.757164	7.830478	7.523551
C18ORF24	C18ORF24	8.551078	8.835556	8.941774	9.230119	8.450737	8.144779	7.846308	7.793642	7.727534	7.493713	7.163181	7.101548
C18ORF25	C18ORF25	9.406725	9.528987	9.296305	9.718036	9.708791	10.82556	10.12566	10.18567	9.998341	10.03652	9.755456	10.07794
C18ORF26	C18ORF26	7.567762	7.941636	7.309818	7.390534	7.409684	7.20674	7.036455	6.996218	7.089402	6.96295	6.865761	6.884544
C18ORF34	C18ORF34	6.964326	7.003138	6.881651	7.379927	7.214968	7.148641	6.876992	7.01381	7.051165	6.917858	6.786106	6.822979
C18ORF37	C18ORF37	9.573521	9.860589	9.67512	9.710247	9.381638	10.09693	9.460478	9.556463	9.434372	9.566022	9.281872	8.942174
C18ORF45	C18ORF45	7.473369	7.621595	7.254138	7.455076	7.317943	7.20434	7.18126	7.194394	7.084912	7.077399	6.945926	7.636015
C18ORF51	C18ORF51	6.900677	7.100153	6.866515	7.043567	6.881561	6.974325	6.862347	6.96806	7.057393	6.960414	6.792953	6.833088
C18ORF54	C18ORF54	9.173769	9.651535	8.744088	9.195257	8.613498	8.05053	7.763671	7.552353	7.655647	7.335745	7.274716	7.244463
C18ORF55	C18ORF55	10.79827	11.05676	10.41001	10.62955	10.76898	11.84431	11.18518	11.3574	11.49002	11.37248	11.15347	11.18978
C18ORF56	C18ORF56	10.97258	10.07882	9.464129	8.60574	9.085498	10.23719	9.498077	8.945574	8.891181	8.720928	7.980788	8.126729
C18ORF58	C18ORF58	7.114382	7.113287	6.918613	7.117722	6.982721	7.009175	6.923157	7.037029	7.027668	6.911055	6.790434	6.832696
C18ORF8	C18ORF8	8.545188	8.844864	8.471515	8.980625	8.760291	9.59966	8.862622	8.915608	9.045219	9.157585	9.322527	8.954186
C19ORF10	C19ORF10	7.981206	8.496585	7.939846	8.432495	8.732122	8.717353	8.503712	8.382787	8.379515	8.690047	9.636425	9.455326
C19ORF12	C19ORF12	8.248429	8.525401	8.403317	8.961062	8.956652	9.258883	8.959363	8.980819	8.943045	8.891259	8.466926	8.621463
C19ORF15	C19ORF15	6.890598	6.98622	6.922084	7.061524	6.975929	7.257817	6.907963	7.041502	6.915884	6.898237	6.880258	6.960157
C19ORF16	C19ORF16	6.92694	7.113	6.723944	7.022734	6.888005	7.097685	6.951651	7.058233	6.870159	6.982832	6.839174	6.850448
C19ORF18	C19ORF18	7.02482	7.108224	6.962796	7.301067	7.420223	7.714281	7.576267	7.416879	7.344832	7.362773	7.019967	7.265239
C19ORF19	C19ORF19	7.156763	7.121813	6.803564	6.965286	6.868206	7.042134	6.865736	7.019577	6.948249	6.970835	6.897243	6.800938
C19ORF2	C19ORF2	11.40833	11.54868	11.24275	11.22377	11.05664	11.16742	10.72348	10.60659	10.71153	10.47587	10.27254	10.46029
C19ORF20	C19ORF20	6.940655	7.085293	6.851623	7.226235	7.096631	7.18972	7.15717	7.260135	7.12352	7.145779	7.238096	7.161089
C19ORF21	C19ORF21	7.031034	7.146089	6.970064	7.180346	7.012805	7.087093	7.04266	6.950103	7.009753	7.054408	7.070312	6.951537
C19ORF22	C19ORF22	9.95112	9.951744	9.31671	9.564992	9.430259	9.663359	9.300667	9.645567	9.434187	9.498654	10.1428	9.422283
C19ORF23	C19ORF23	7.047746	7.250841	7.035816	7.244684	7.063202	7.151052	7.00924	7.132659	7.192208	7.125311	7.200236	7.19188
C19ORF24	C19ORF24	8.206473	8.76049	7.902581	8.03162	7.799606	8.089483	7.829575	7.85714	7.814666	7.799583	8.098839	7.696787
C19ORF25	C19ORF25	8.027496	8.055707	7.686142	7.937783	7.942454	8.128671	7.977411	8.211555	7.977482	8.204972	8.405108	8.089567
C19ORF26	C19ORF26	6.927838	7.210277	6.963482	7.226189	6.923254	7.089603	7.023819	7.070306	7.012938	7.093628	6.931435	6.858645
C19ORF28	C19ORF28	7.269423	7.477003	7.084657	7.312804	7.152174	7.211073	7.038181	7.201533	7.163824	7.252577	7.308267	7.102563
C19ORF29	C19ORF29	7.635735	7.785631	7.406905	7.705436	7.517898	7.580081	7.341583	7.46561	7.356887	7.464077	7.423111	7.196231
C19ORF30	C19ORF30	7.180279	7.545838	7.204767	7.368177	7.169252	7.180907	7.128242	7.12783	7.184473	7.112567	6.808563	6.938637
C19ORF31	C19ORF31	13.92865	14.43686	13.99941	14.40195	14.2928	14.09637	14.28553	14.08879	14.24739	14.14682	13.68009	14.06263
C19ORF33	C19ORF33	7.526561	8.102616	7.068816	7.071017	6.988555	7.016448	6.822373	6.858916	6.935099	6.954641	6.652679	6.758268
C19ORF34	C19ORF34	7.035743	7.20142	6.838077	7.119857	6.844957	7.097689	6.853062	6.903186	6.97742	6.927382	6.785082	6.875111

C19ORF35	C19ORF35	7.008744	7.028429	6.868525	6.972254	6.92851	6.922658	6.892976	6.983179	6.833232	6.991174	6.755241	6.825926
C19ORF36	C19ORF36	6.83702	6.956051	6.859194	7.008084	6.979292	6.981955	6.861113	6.940992	6.898242	6.880353	6.754447	6.85485
C19ORF37	C19ORF37	9.783365	10.76179	10.50319	11.21266	11.85611	12.21419	12.00382	11.50359	11.78512	11.91108	11.72102	11.73023
C19ORF4	C19ORF4	7.532417	8.265283	7.423579	7.377599	7.391631	7.266384	7.179212	7.590407	7.981185	7.762711	8.457862	8.016048
C19ORF40	C19ORF40	7.409221	7.587187	7.308284	7.537834	7.459881	7.485831	7.40079	7.246048	7.315857	7.303555	7.194145	7.159382
C19ORF48	C19ORF48	9.266635	9.677961	8.885012	8.802193	8.787974	8.423145	8.023833	7.997264	7.983656	8.001267	7.588003	7.587838
C19ORF55	C19ORF55	7.034608	7.262588	7.006087	7.312505	7.188044	7.3978	7.190443	7.163801	7.165124	7.298971	7.080207	7.090227
C19ORF6	C19ORF6	8.658458	8.705971	8.273241	8.790605	8.814219	9.037789	8.621272	8.83498	8.694263	8.731781	8.898338	8.691267
C19ORF7	C19ORF7	10.31638	10.7596	10.10947	10.06198	10.07048	9.546402	9.324758	9.453707	9.266092	9.116201	9.037762	8.894588
C1D	C1D	6.931611	7.1789	6.986172	7.080099	7.041682	7.100645	7.022722	7.106742	7.068879	7.142179	6.906391	7.047532
C1GALT1	C1GALT1	8.811932	9.730567	8.305452	8.627997	7.780913	8.152725	7.766577	7.705142	7.899514	7.786845	7.887952	8.126837
C1GALT10	C1GALT10	7.582036	8.079636	7.707661	7.812186	7.713143	8.583799	8.229131	8.320939	8.438496	8.302776	8.127123	8.313034
C1ORF100	C1ORF100	6.862547	7.064277	6.835586	7.016918	6.989745	6.94755	7.00486	6.974109	6.93256	6.862953	6.80513	6.765864
C1ORF101	C1ORF101	7.063323	7.101463	6.788459	7.096733	7.062273	7.1558	6.92643	6.9795	6.886696	6.858451	6.803595	6.932974
C1ORF102	C1ORF102	7.148579	7.520672	7.472185	7.540077	7.671811	7.849225	7.597273	7.593381	7.582021	7.683375	7.557882	7.476054
C1ORF103	C1ORF103	6.99515	7.219139	6.984507	7.130832	7.064774	7.155861	6.934124	6.991794	6.963867	7.023241	6.813554	6.962674
C1ORF104	C1ORF104	7.061135	7.295355	7.093073	7.338622	7.33761	7.488569	7.2492	7.218483	7.180845	7.292338	7.006806	7.123794
C1ORF105	C1ORF105	6.997318	7.078164	6.9655	7.205873	7.077307	7.585347	8.197288	8.140047	8.712243	9.125003	8.813803	8.276938
C1ORF106	C1ORF106	10.03729	10.16743	9.828114	9.669365	8.812302	7.755704	7.102562	7.001012	7.462226	6.94768	6.715645	6.777721
C1ORF107	C1ORF107	7.217037	7.332255	7.198233	7.353759	7.250438	7.361055	7.018415	7.03482	7.080738	7.060544	6.927298	7.009378
C1ORF108	C1ORF108	10.44824	10.7633	9.574405	9.613354	9.346075	10.427	9.603445	9.849922	9.429887	9.70706	9.659822	9.519497
C1ORF109	C1ORF109	8.823332	8.891716	8.59228	8.645288	8.629482	8.547277	8.169466	8.316045	8.051925	8.010864	8.041539	8.146717
C1ORF110	C1ORF110	6.911734	7.017902	6.906397	7.063983	6.92449	6.984619	7.026239	7.027006	7.062677	7.048729	6.976115	6.931839
C1ORF111	C1ORF111	6.982029	7.124929	6.825729	7.101366	7.022914	7.183981	6.915405	6.980415	6.873486	7.040973	6.94296	6.887736
C1ORF112	C1ORF112	9.588337	10.38602	9.518856	9.685486	8.760119	8.323428	8.0543	7.953556	7.972802	7.790342	7.49106	7.351065
C1ORF113	C1ORF113	7.160077	7.266123	6.979345	7.321414	7.222624	7.253169	7.208922	7.159784	7.21062	7.216054	7.002783	7.117659
C1ORF114	C1ORF114	6.917284	7.060864	6.976961	7.188609	7.13515	6.994831	6.964429	6.993263	6.959904	6.881116	6.716527	6.936487
C1ORF115	C1ORF115	8.402902	8.53209	7.692955	7.838316	7.598608	8.133689	8.247082	8.929519	8.812042	9.548999	8.770543	8.866637
C1ORF116	C1ORF116	7.766232	7.751231	7.029475	7.130592	6.997998	7.104891	6.935353	7.018534	7.068686	7.005338	6.845688	6.862778
C1ORF117	C1ORF117	6.975977	7.046645	6.847301	7.017289	7.113446	8.323525	8.161594	8.521546	8.06463	8.612788	8.630137	8.657443
C1ORF118	C1ORF118	6.952526	7.219494	6.794882	7.066388	6.837877	7.029968	6.802304	6.923073	6.780114	7.037585	6.784668	7.001167
C1ORF119	C1ORF119	8.692268	8.842805	8.727122	9.209427	9.467708	10.09347	9.509079	9.72038	9.63354	9.673077	9.621148	9.716181
C1ORF120	C1ORF120	6.871523	7.224142	6.885655	7.116136	7.062817	6.917122	6.994933	7.10069	6.988683	6.990502	7.014255	6.817498
C1ORF121	C1ORF121	11.20097	11.60561	10.41001	10.63372	9.971949	10.52489	10.07698	10.23658	10.25104	10.16871	9.971428	10.11718
C1ORF122	C1ORF122	8.601643	9.126578	8.79487	9.108983	9.138478	9.908139	9.736959	9.714849	9.794647	10.00298	10.24918	9.802043
C1ORF123	C1ORF123	10.08882	10.7059	10.33937	10.54553	10.56971	10.52455	10.36155	10.25304	10.46755	10.44328	10.0109	10.06758

C1ORF124	C1ORF124	7.460435	7.737209	7.674495	7.72942	7.623746	8.311414	7.661296	7.895682	7.659828	7.723824	7.652727	7.584211
C1ORF125	C1ORF125	6.89919	7.003721	6.695514	6.944678	6.859011	6.956325	6.805543	6.909514	6.859716	6.895129	6.74516	6.734971
C1ORF126	C1ORF126	6.938159	6.99799	6.837499	7.08504	6.87516	6.932853	6.774119	6.939083	6.914214	6.895859	6.817039	6.795623
C1ORF127	C1ORF127	6.850834	7.12071	6.858928	6.962671	7.00208	7.215143	6.926206	7.003412	6.915385	7.156515	6.950999	6.816573
C1ORF128	C1ORF128	10.94506	11.20241	10.62723	10.67069	10.43868	11.12874	10.42832	10.54621	10.16473	10.52113	10.59625	10.33392
C1ORF129	C1ORF129	6.950839	7.146457	6.89611	7.168706	6.969942	7.068568	6.884472	6.969498	6.986645	6.884977	6.889172	6.939927
C1ORF131	C1ORF131	9.093658	9.68417	9.767257	9.599047	9.61926	9.86306	9.133729	9.29802	9.213746	8.993869	9.310058	8.604057
C1ORF132	C1ORF132	6.952321	7.130654	6.816927	7.067048	6.92103	7.028086	6.910939	6.875543	6.858771	6.986864	6.756135	6.907473
C1ORF135	C1ORF135	9.958926	10.29641	9.711232	9.303346	8.61174	8.666771	8.215236	7.84047	8.066071	7.896496	7.267542	7.181229
C1ORF137	C1ORF137	6.952852	7.165107	6.752023	6.969721	6.935724	6.94336	6.960242	7.010198	6.95725	7.094266	6.893345	6.963404
C1ORF138	C1ORF138	6.826678	7.100582	6.714748	7.031171	6.876537	6.776593	6.779943	6.897968	6.809228	6.924722	6.761681	6.807126
C1ORF14	C1ORF14	6.780505	7.14034	6.816572	6.927446	6.97207	6.840987	6.845728	6.874152	6.919343	6.813737	6.862365	6.748364
C1ORF140	C1ORF140	6.935308	7.067943	6.870604	7.141266	6.977507	6.95059	6.891402	7.006664	6.871791	6.889002	6.901857	6.905781
C1ORF141	C1ORF141	6.886469	6.947218	6.753155	6.9486	6.970822	6.945162	6.833279	6.887306	6.877246	6.922691	6.809308	6.800889
C1ORF142	C1ORF142	8.224559	8.411722	7.999765	8.168858	8.059129	8.373167	8.064313	8.103862	8.036498	8.171236	7.960956	8.012752
C1ORF144	C1ORF144	10.4234	11.01842	10.34214	10.38748	10.32203	10.70295	10.38961	10.23125	10.54716	10.58756	10.4728	10.52537
C1ORF146	C1ORF146	6.840947	6.95907	6.753173	6.95374	6.838054	6.853299	6.813489	6.948186	6.823183	6.930148	6.690222	6.74411
C1ORF147	C1ORF147	7.109709	7.54282	7.143214	7.333242	7.258718	7.296355	7.270272	7.250489	7.191493	7.274995	7.019203	7.210359
C1ORF149	C1ORF149	7.486444	7.961294	7.725636	7.882627	7.780701	8.707374	8.20647	8.253042	8.216028	8.209551	7.971598	7.947768
C1ORF150	C1ORF150	6.859116	7.040117	6.743981	7.02797	6.942775	6.967843	6.864683	6.855808	6.996523	6.928585	6.753759	6.82677
C1ORF151	C1ORF151	7.01339	7.19994	6.961321	7.207033	7.048089	7.087386	6.959305	7.050317	6.989265	6.990401	6.892806	6.862563
C1ORF152	C1ORF152	6.8646	7.043632	6.794617	7.061658	6.962015	7.072215	6.878607	6.974308	6.924294	6.959261	6.85193	6.864866
C1ORF155	C1ORF155	8.388784	8.576399	8.223629	8.370882	8.27997	8.549448	7.899603	7.888812	7.789972	7.84435	7.523443	7.482088
C1ORF156	C1ORF156	7.328909	7.747804	7.313293	7.49368	7.217431	7.540418	7.263194	7.209487	7.320518	7.259738	7.13552	7.031431
C1ORF157	C1ORF157	6.798152	7.101157	6.677593	6.961884	6.848021	6.992419	6.868878	6.871563	6.845119	6.952374	6.767521	6.855945
C1ORF158	C1ORF158	6.841094	7.029322	6.758675	7.041951	6.901231	6.878372	6.938977	6.990324	6.816217	6.947767	6.772096	6.844493
C1ORF159	C1ORF159	7.555586	7.729998	7.48084	7.815801	7.739136	7.57541	7.399442	7.506668	7.547308	7.45804	7.407118	7.310749
C1ORF160	C1ORF160	7.497069	7.883391	7.439924	7.922447	7.824583	8.045024	7.759999	7.884117	7.750391	8.030407	7.98751	8.01304
C1ORF161	C1ORF161	6.925083	7.189269	6.863763	7.127982	6.947278	7.083819	6.908253	7.023028	7.034072	6.93968	6.778617	6.904003
C1ORF162	C1ORF162	6.967607	7.095841	6.951236	7.26024	7.239646	8.556506	7.648738	7.70043	7.565116	7.56532	7.30534	7.394715
C1ORF163	C1ORF163	9.327472	9.865656	8.582099	8.411818	8.153753	8.862288	8.220289	8.158552	8.301644	8.154492	7.651441	8.026917
C1ORF164	C1ORF164	9.877886	9.873304	9.409024	9.433511	9.324079	9.317443	8.877437	9.060793	8.924395	8.999091	8.779717	8.72826
C1ORF165	C1ORF165	7.453805	7.655555	7.15881	7.627853	7.964514	7.63347	7.42581	7.530013	7.65753	7.572136	7.436046	7.547178
C1ORF166	C1ORF166	7.76795	7.917129	7.569404	7.905365	7.956088	8.996846	8.272426	8.217222	8.341451	8.687352	8.461734	8.403549
C1ORF167	C1ORF167	6.956765	7.055229	6.978778	7.021413	6.894293	7.075907	6.953363	6.87868	6.889887	7.009614	7.034545	6.984816
C1ORF168	C1ORF168	6.887191	7.068178	7.059298	7.133472	7.568128	6.812892	6.903034	6.888396	6.847384	6.893668	6.837303	6.822971

C1ORF170	C1ORF170	7.023825	7.166336	6.884882	7.13568	7.033855	7.175977	7.03967	7.119187	7.085107	7.024468	6.892072	6.862201
C1ORF171	C1ORF171	9.349363	9.602216	8.906746	8.825908	8.534933	9.47125	8.882466	8.797581	8.832742	8.776427	8.4084	8.9116
C1ORF172	C1ORF172	7.632566	7.758993	7.121967	7.118451	7.01928	6.989225	6.844817	6.870943	6.856526	6.837076	6.787765	6.891412
C1ORF173	C1ORF173	6.884538	7.114313	6.922288	7.089946	7.031711	7.049058	7.006941	7.01072	6.984555	6.960472	6.861615	6.87973
C1ORF175	C1ORF175	6.802586	6.998172	6.803377	7.068911	7.408285	7.954585	8.442249	8.251639	8.143991	8.41214	7.269078	8.028229
C1ORF176	C1ORF176	8.356302	9.102958	8.620266	8.948781	9.115866	9.036493	9.024724	8.765091	8.800287	8.779769	8.475422	8.719522
C1ORF177	C1ORF177	7.002465	7.096026	6.862624	7.117545	7.017261	7.105164	6.906126	7.013467	6.906574	6.867538	6.846693	6.967367
C1ORF178	C1ORF178	6.869937	7.046512	6.796401	7.015591	6.932141	6.906724	6.839734	6.927831	6.855206	6.910319	6.781656	6.800235
C1ORF179	C1ORF179	6.809142	7.003809	6.723102	7.010082	6.956369	6.99572	6.857942	6.952592	6.818757	6.894386	6.750878	6.786124
C1ORF180	C1ORF180	6.88321	7.034732	6.749363	7.059683	6.969688	6.894031	6.785178	6.965286	6.773119	6.893336	6.880134	6.791775
C1ORF181	C1ORF181	9.888786	10.29947	9.594044	10.24839	10.1209	10.32874	9.686744	9.59391	9.651764	9.276863	9.469436	9.418212
C1ORF182	C1ORF182	7.151116	7.748293	7.068571	7.155142	7.03286	7.256806	7.022961	7.101711	7.005316	7.065705	6.862011	6.912136
C1ORF183	C1ORF183	6.961317	7.17613	6.878218	7.107445	7.10436	7.947894	7.381182	7.325612	7.244384	7.238381	7.014903	7.045562
C1ORF185	C1ORF185	6.887428	7.191862	6.76563	7.043849	6.933926	7.031278	6.938672	6.95264	6.934903	7.043502	6.802626	6.903274
C1ORF186	C1ORF186	6.803607	7.045108	6.803571	6.981968	7.086688	7.269738	7.073778	7.003523	6.896394	6.971921	6.7915	6.75144
C1ORF187	C1ORF187	7.684141	8.663646	7.599017	7.276693	7.174416	7.014628	6.872589	6.951181	7.110952	7.055485	6.889191	6.826697
C1ORF188	C1ORF188	7.112749	7.164853	6.967251	7.661267	8.511875	10.2876	10.16317	10.4082	9.745561	10.19433	9.370988	9.165079
C1ORF189	C1ORF189	6.794687	7.008447	6.777013	6.923603	6.909495	7.022314	6.803744	6.930573	6.91591	6.942454	6.707814	6.849415
C1ORF19	C1ORF19	10.74583	10.99497	10.32059	10.93916	10.77797	11.22587	10.66951	10.55093	10.70242	10.40965	10.12012	10.42428
C1ORF190	C1ORF190	7.112142	7.624012	7.078434	7.222602	7.217799	7.910175	7.71396	7.919941	7.891246	8.103314	8.002009	8.203416
C1ORF192	C1ORF192	6.949689	7.040646	6.920629	7.037328	6.894867	7.027807	6.925153	6.941129	6.900694	6.874283	6.847878	6.909961
C1ORF198	C1ORF198	9.030412	8.944649	8.827684	9.944111	9.62906	10.19733	9.466919	9.624062	9.347545	9.406012	9.514622	9.265134
C1ORF2	C1ORF2	9.974885	9.616082	9.146719	9.591766	9.567724	9.122834	8.932333	8.790828	9.004176	8.80518	8.674204	8.857281
C1ORF201	C1ORF201	6.979401	7.172469	7.055188	7.126028	7.071587	7.189357	7.107179	7.02036	7.042231	7.072972	6.922767	6.966094
C1ORF21	C1ORF21	8.30224	7.713991	7.67715	8.782065	8.447461	7.964156	8.303009	8.36105	8.543949	8.518205	8.092763	7.859628
C1ORF210	C1ORF210	7.165069	7.404663	7.096508	7.40642	7.087211	7.207074	7.105687	7.145516	7.14808	7.178722	6.935096	7.119414
C1ORF24	C1ORF24	9.442705	10.33379	8.075088	7.350173	7.859639	8.46821	9.049135	10.0753	10.00715	10.76124	10.64243	11.31702
C1ORF25	C1ORF25	8.033065	8.273931	7.733344	7.969057	7.840943	8.246594	7.880442	7.969919	7.881379	8.035919	8.04223	8.331101
C1ORF26	C1ORF26	7.23356	7.527776	7.111764	7.363958	7.435169	7.590846	7.48706	7.34372	7.433763	7.275131	7.127947	7.253432
C1ORF27	C1ORF27	6.946215	7.282304	6.956471	7.249445	7.058684	7.203136	7.077997	7.011216	7.038688	6.975207	6.840691	7.030608
C1ORF31	C1ORF31	8.097877	8.714844	7.988278	7.912	7.976345	8.563074	8.36968	8.084851	8.325899	8.45169	8.298583	8.083928
C1ORF32	C1ORF32	7.026281	7.123532	6.768611	7.005139	6.911712	7.223024	6.947304	6.952818	7.045304	6.968011	6.845333	6.994364
C1ORF33	C1ORF33	9.197847	9.709325	9.09441	8.971103	8.624413	8.904387	8.243349	8.230615	8.25807	8.380097	8.251277	8.285391
C1ORF34	C1ORF34	6.961477	7.109113	6.866105	7.045435	6.972679	7.054589	6.842441	6.936884	6.82302	6.995651	6.913045	6.850168
C1ORF35	C1ORF35	8.98573	9.201307	8.938499	8.999072	8.886148	8.858749	8.435759	8.42634	8.386571	8.402331	8.138043	7.920722
C1ORF36	C1ORF36	6.868829	7.078743	6.700483	7.036373	6.865317	6.931957	6.925847	7.002147	6.861682	6.970556	6.759934	6.863117

C1ORF37	C1ORF37	12.18173	12.36987	12.07617	11.89231	11.54902	12.12903	11.43022	11.38142	11.57962	11.31265	11.31471	11.17874
C1ORF38	C1ORF38	7.020634	7.049103	6.858796	7.072638	6.981213	6.976076	7.029687	7.009997	6.977711	6.988565	6.897928	6.96034
C1ORF41	C1ORF41	9.264017	9.626419	9.738548	9.695174	9.885314	9.841185	9.275882	9.206668	9.454966	9.356677	9.467893	8.274609
C1ORF42	C1ORF42	6.887609	7.085462	6.804499	7.023177	7.081485	7.050327	7.041947	7.08729	6.853931	7.051212	6.860036	6.856372
C1ORF43	C1ORF43	9.288678	9.539445	9.085442	9.363116	9.412136	9.979481	9.701158	9.699843	9.93803	9.916967	9.856371	9.984572
C1ORF45	C1ORF45	6.752709	6.977769	6.819067	6.96208	6.838187	6.970577	6.871288	6.925096	6.903765	6.917952	6.780979	6.766823
C1ORF48	C1ORF48	11.26136	11.73819	11.13453	11.24795	11.04238	11.78956	11.06784	11.29303	11.29716	11.08736	11.0429	10.89567
C1ORF49	C1ORF49	6.841687	7.03112	6.794228	7.014999	6.932777	7.050657	6.909341	7.007377	7.050946	7.068177	6.932681	7.084143
C1ORF50	C1ORF50	9.362741	9.974832	9.291088	9.786415	9.956689	10.59801	10.32595	10.34806	10.31537	10.30075	10.31619	9.925866
C1ORF51	C1ORF51	7.966469	7.983185	7.262914	7.592715	7.84612	8.011175	7.528833	7.485231	7.660502	7.543594	7.591559	7.63434
C1ORF52	C1ORF52	10.62429	11.02369	10.65024	10.75503	10.92122	11.30416	10.58124	10.67274	10.78641	10.42464	10.44789	10.21495
C1ORF53	C1ORF53	7.140704	7.558718	7.827133	8.055355	9.040055	9.170139	8.918882	8.775729	8.822784	8.939246	8.977803	8.187273
C1ORF54	C1ORF54	9.518482	10.14766	9.534038	9.22083	9.622667	10.33662	9.934276	9.742674	10.04003	9.462473	9.645339	8.63601
C1ORF55	C1ORF55	9.144729	9.519921	9.304027	9.251371	9.49399	10.37138	9.346119	9.517194	9.389918	9.430846	9.598689	9.34583
C1ORF56	C1ORF56	7.274548	7.658517	7.265911	7.562416	7.495309	7.50731	7.240128	7.441325	7.255749	7.316334	7.165238	7.076925
C1ORF57	C1ORF57	10.58948	11.02421	10.05227	10.47091	10.4657	11.29339	10.5546	10.3834	10.25277	10.40227	10.30754	9.90212
C1ORF58	C1ORF58	7.005974	7.154323	6.851035	7.139609	7.059334	7.220176	7.036265	7.109011	6.971415	7.112402	6.890781	7.003241
C1ORF59	C1ORF59	9.278527	9.361181	8.225763	7.642763	7.304798	7.739372	7.620553	7.558679	7.610714	7.415536	7.091926	7.118326
C1ORF60	C1ORF60	9.759766	10.14978	9.452088	9.946112	9.979402	9.601896	9.414643	9.440246	9.379008	9.325386	9.310668	8.962958
C1ORF61	C1ORF61	7.111866	7.189701	8.789561	7.068091	6.882538	6.859653	6.786916	6.807358	8.411059	6.879624	6.636047	6.759597
C1ORF62	C1ORF62	6.894913	7.020214	6.801066	6.981408	6.905341	7.058378	6.833573	6.919343	6.958697	6.990847	6.807084	6.857551
C1ORF63	C1ORF63	8.208667	8.57235	8.11969	8.946041	9.97263	9.243326	9.212702	8.944841	9.084582	8.798001	8.129119	8.15361
C1ORF64	C1ORF64	6.812279	7.008569	7.161802	7.129825	6.904582	7.069687	7.064225	6.972389	6.963851	6.98517	6.760996	6.81479
C1ORF65	C1ORF65	6.89312	6.998041	6.649577	7.006366	6.792921	6.9064	6.842012	6.80245	6.809028	6.864939	6.698492	6.786895
C1ORF66	C1ORF66	8.36464	8.356668	8.140903	8.415542	8.427997	8.917067	8.507615	8.5241	8.303813	8.400248	8.233032	8.121394
C1ORF67	C1ORF67	7.715327	7.835864	7.289829	7.216113	7.239833	7.488364	7.218909	7.300407	7.439039	7.308879	7.189877	7.183643
C1ORF69	C1ORF69	7.270902	7.639776	7.492602	7.584209	7.513942	7.579389	7.354313	7.420743	7.404971	7.502012	7.214059	7.161571
C1ORF70	C1ORF70	7.062741	7.163734	6.954879	7.182663	7.102453	7.274832	6.932673	7.162763	7.118348	7.154601	6.956399	7.015477
C1ORF71	C1ORF71	10.27044	10.37612	9.867019	10.05131	10.03765	10.79278	10.17082	10.01133	9.919519	9.691743	9.516131	10.02862
C1ORF73	C1ORF73	7.762778	8.326835	8.163112	8.530104	7.885366	8.101704	7.975276	7.942354	7.979537	7.974114	7.693518	7.982302
C1ORF74	C1ORF74	8.281374	8.660911	7.956394	7.856391	7.803466	8.212427	8.050056	7.857483	8.083809	7.909365	7.734938	7.657692
C1ORF75	C1ORF75	6.942998	7.243811	6.739835	7.175995	6.98908	7.082943	7.015823	6.92192	6.905855	7.05638	6.741192	6.818399
C1ORF76	C1ORF76	7.391029	7.411159	7.271422	7.609022	8.863393	7.346642	7.203124	7.318966	7.498735	7.205341	6.970645	7.119135
C1ORF77	C1ORF77	10.64069	10.97538	10.54416	10.24496	10.27226	11.01977	10.42308	10.3999	10.4785	10.37062	10.0522	10.28621
C1ORF78	C1ORF78	7.10649	7.276148	7.796204	7.649343	7.757262	7.403424	7.244603	7.485179	7.656071	7.386309	7.986676	7.362071
C1ORF80	C1ORF80	7.790014	8.229048	7.683455	7.625886	7.358028	7.693855	7.394652	7.680893	7.527182	7.541277	7.494461	7.312047

C1ORF82	C1ORF82	8.475015	8.888867	8.42372	8.742983	8.77108	9.131095	8.67451	8.444434	8.463328	8.33513	7.790226	8.387453
C1ORF83	C1ORF83	7.62759	7.796542	7.326238	7.625615	7.520653	7.673641	7.699519	7.510651	7.430471	7.594313	7.413203	7.437686
C1ORF84	C1ORF84	6.923269	7.158934	6.887944	7.083921	7.006249	7.037517	6.972339	6.99891	6.996416	7.013673	6.815993	6.867184
C1ORF85	C1ORF85	10.56847	11.02983	10.50195	10.33308	10.15314	9.944398	9.641244	9.684191	9.661213	9.513096	9.455318	9.348632
C1ORF86	C1ORF86	9.165846	9.526585	9.073304	9.38219	9.25824	9.402116	9.290256	9.348377	9.258199	9.328683	9.446122	9.048608
C1ORF87	C1ORF87	6.854294	7.067885	6.847554	7.0929	6.867958	7.013695	6.949781	6.950245	6.901378	6.870003	6.769678	6.793024
C1ORF88	C1ORF88	7.046889	7.314283	7.022397	7.207354	7.212841	7.336208	7.24638	7.244536	7.262145	7.232107	7.004717	7.015938
C1ORF89	C1ORF89	6.998348	7.666908	7.056454	7.342477	7.320928	7.456517	7.209698	7.265223	7.338741	7.183029	7.029689	7.194552
C1ORF9	C1ORF9	6.992984	7.339969	7.014373	7.579284	7.372357	7.310623	7.295393	7.087806	7.211522	7.201084	6.98994	7.331848
C1ORF90	C1ORF90	7.015597	7.093983	6.932146	7.127161	6.912849	7.030298	7.008117	6.945985	6.921391	7.020988	6.813541	6.859153
C1ORF91	C1ORF91	7.235884	7.543534	7.191862	7.351584	7.352059	7.369053	7.270633	7.253243	7.324875	7.373706	7.123471	7.173531
C1ORF92	C1ORF92	7.052375	7.168628	6.886152	7.060549	6.962159	7.0433	7.116429	6.963328	6.937452	6.997392	6.714915	6.858947
C1ORF94	C1ORF94	8.30623	8.710995	7.723067	7.171955	7.107605	7.085157	6.940201	7.07218	7.011563	7.127434	6.849593	6.955333
C1ORF95	C1ORF95	6.810857	7.032144	6.721651	7.052709	6.992364	7.070779	6.898821	7.020789	6.961526	6.862536	6.834067	6.832571
C1ORF96	C1ORF96	7.104536	7.280192	6.950741	7.160563	7.12247	7.305029	7.072936	7.092608	7.174473	7.179457	6.898363	6.988445
C1ORF97	C1ORF97	8.175592	9.377529	11.03875	8.5615	8.324131	9.481127	9.285184	9.253174	9.196876	9.192226	8.977636	8.672388
C1ORF99	C1ORF99	6.816241	7.061208	6.873029	6.997166	6.973361	7.037838	6.824696	6.912956	6.91541	6.962505	6.768199	6.896197
C1QA	C1QA	7.026824	7.183646	6.872583	7.194136	7.081111	7.089743	6.94584	6.949363	6.94425	6.85575	6.89574	7.087635
C1QB	C1QB	6.976654	7.042956	6.796366	6.947164	6.863034	6.915454	6.772075	6.931282	6.890591	6.811099	6.73009	6.775772
C1QBP	C1QBP	12.96682	13.21122	12.1788	11.77247	11.63549	12.15617	11.54911	11.49199	11.53469	11.69577	11.7157	11.2906
C1QC	C1QC	6.755101	7.044291	6.735959	6.850147	6.913637	6.885145	6.962827	6.923176	6.773663	6.962681	6.745419	6.884887
C1QDC1	C1QDC1	9.061867	9.880509	9.502658	8.774547	8.319753	8.964547	8.531305	8.819091	8.694726	8.75989	8.982419	8.613168
C1QDC2	C1QDC2	7.142758	7.260054	6.987319	7.098575	6.990531	7.009746	6.849391	6.99762	6.874269	6.888568	6.941927	6.916139
C1QL1	C1QL1	7.181889	7.285039	7.129693	7.318402	7.184628	7.260512	6.993179	7.171464	7.242028	7.252725	7.089519	7.065654
C1QL2	C1QL2	7.082844	7.408733	7.089124	7.199902	7.099032	7.049668	6.956402	7.060628	7.055451	7.189104	6.933004	7.237292
C1QL3	C1QL3	6.971031	7.111238	6.822199	7.101547	6.976617	7.117769	6.840991	6.961487	6.954799	6.976765	6.872752	6.914847
C1QL4	C1QL4	7.027476	7.041905	6.763458	6.987533	7.043935	6.912458	6.808824	6.832426	6.912568	6.84042	6.763481	6.837985
C1QR1	C1QR1	6.851962	7.025173	6.948951	7.181084	7.62417	6.963774	6.884832	7.042499	7.0599	7.006434	6.942464	6.785429
C1QTNF1	C1QTNF1	6.982284	7.06848	7.100147	7.251967	7.362626	7.473653	7.86034	8.227193	7.92356	8.198648	8.907135	8.543531
C1QTNF2	C1QTNF2	6.881058	7.217965	6.843239	7.103927	6.939467	7.162106	6.851749	7.137977	6.968159	6.897631	6.836958	7.009891
C1QTNF3	C1QTNF3	6.882546	7.039424	6.834689	7.105316	6.911224	6.983557	6.957764	6.990814	7.005763	6.912897	6.849136	6.828194
C1QTNF4	C1QTNF4	7.478142	7.474416	7.266433	7.510084	7.534142	7.451482	7.24337	7.290083	7.258385	7.208507	7.02573	7.057393
C1QTNF5	C1QTNF5	7.179085	7.274855	6.908876	7.392957	7.23934	7.503172	7.252171	7.474422	7.821384	7.318112	7.649466	7.405786
C1QTNF6	C1QTNF6	7.015589	7.162057	7.133901	7.385005	7.821284	7.215244	7.327638	7.449444	7.480767	7.185082	7.140057	7.169834
C1QTNF7	C1QTNF7	6.847318	6.988376	6.841945	7.09042	7.055138	6.99614	6.868709	6.93642	7.272415	6.915739	6.829948	6.83551
C1QTNF8	C1QTNF8	6.866575	7.079157	6.927073	7.17342	7.045555	7.287018	6.939602	7.006078	7.032464	7.041169	6.855027	6.97494

C1R	C1R	6.981404	7.138624	6.870091	7.093029	7.100537	6.963021	6.959889	6.991659	7.006168	6.969774	7.150406	7.262286
C1RL	C1RL	7.16611	7.276288	7.262925	7.504113	7.323227	7.116836	7.136343	7.343794	7.288923	7.225704	7.12552	7.084596
C1S	C1S	7.264375	7.499879	6.915989	7.169487	7.632473	7.289366	7.219481	7.477361	7.587507	7.426305	7.986828	7.692526
C2	C2	7.132447	7.32207	7.000792	7.237982	7.146498	7.443634	7.293938	7.110274	7.078668	7.17814	7.060562	7.14406
C20ORF10	C20ORF10	6.744903	7.075824	6.795198	7.047664	6.945044	6.93386	6.894946	7.006806	6.897617	6.931693	6.755863	6.848553
C20ORF10	C20ORF10	8.931387	10.2782	8.645265	7.964963	7.554823	7.226401	7.236913	7.205206	8.138649	7.24069	8.843669	9.141312
C20ORF10	C20ORF10	6.914354	7.073397	7.285148	7.516593	7.462539	8.193935	8.144803	8.076028	7.875771	8.051074	7.254015	7.020067
C20ORF10	C20ORF10	7.7147	9.64562	7.410711	7.196394	7.159121	7.066243	6.807346	6.92498	7.145489	6.976042	6.756711	6.745446
C20ORF10	C20ORF10	6.924347	7.040873	6.826624	7.027433	6.92495	7.015706	6.94024	6.949875	6.839363	7.056675	6.817975	6.890991
C20ORF10	C20ORF10	7.259475	7.248951	6.930478	7.115996	7.062356	7.363795	6.996509	7.106219	7.058119	7.197224	7.129205	7.279782
C20ORF10	C20ORF10	7.850421	8.289137	8.399759	9.377063	9.55823	9.949291	9.530552	9.0108	9.047227	8.833085	8.620401	8.600182
C20ORF11	C20ORF11	11.61981	11.76079	11.28405	11.68693	11.53907	11.48009	10.85264	10.67741	10.74154	10.32139	9.987799	10.48579
C20ORF11	C20ORF11	10.08635	10.55539	10.50173	10.29128	9.986524	10.96463	9.929166	10.20251	10.07012	10.2302	10.15329	9.981597
C20ORF11	C20ORF11	6.881805	7.275882	6.829481	7.020036	6.836232	7.020295	6.840669	7.087565	6.861885	6.98844	6.715735	6.858902
C20ORF11	C20ORF11	6.826281	7.009758	6.775492	7.004799	6.956949	6.972269	6.831011	6.890391	6.815835	7.049887	6.679235	6.766065
C20ORF11	C20ORF11	9.552099	9.926137	9.017214	9.15446	9.118262	9.710597	9.26994	9.211584	9.247037	9.290795	9.384447	9.337699
C20ORF11	C20ORF11	7.335593	7.594785	7.500407	7.931935	7.797185	7.519202	7.44281	7.544227	7.615337	7.518175	7.378156	7.194283
C20ORF11	C20ORF11	7.036553	7.206875	6.957289	7.132046	7.117447	7.201319	7.013739	7.12382	6.949024	7.079374	6.897546	7.009511
C20ORF12	C20ORF12	7.445581	7.766528	7.335174	7.585546	7.422808	7.342587	7.347228	7.220731	7.167798	7.300633	6.983246	6.993381
C20ORF12	C20ORF12	8.503396	8.90305	8.532743	8.983803	8.892679	8.822386	8.319346	8.317461	8.22864	8.101976	8.311365	8.086893
C20ORF12	C20ORF12	6.953593	7.12208	6.915165	7.095057	6.935046	7.073443	6.909323	6.943772	6.963933	7.106916	6.837835	6.989748
C20ORF12	C20ORF12	8.10397	8.232172	7.909244	7.288802	7.247549	7.762992	7.705846	7.389457	7.739308	7.842929	7.759548	7.812359
C20ORF12	C20ORF12	6.917306	7.119263	6.803533	6.982791	7.019638	7.070041	6.977311	6.994876	7.029148	6.963222	6.855952	6.865179
C20ORF12	C20ORF12	10.07547	10.08613	9.479496	9.255712	8.693399	9.115321	8.397502	8.554749	8.396628	8.449026	7.983417	7.2066
C20ORF13	C20ORF13	6.967827	7.040161	6.918753	7.17742	7.054475	7.21117	7.108411	7.163257	7.102288	7.214617	7.012332	6.974437
C20ORF13	C20ORF13	6.898319	7.112924	6.812821	7.0108	7.134182	7.182901	6.983207	7.079945	6.97332	6.953183	6.895141	6.872124
C20ORF13	C20ORF13	6.802683	7.040719	6.713955	6.973505	6.923525	6.809374	6.722483	6.874494	6.794052	7.002215	6.831529	6.831343
C20ORF13	C20ORF13	6.817376	6.911784	6.756998	6.934223	6.861409	6.985597	6.826701	6.931716	6.838547	6.918938	6.697637	6.87303
C20ORF14	C20ORF14	7.699024	7.950966	7.511857	7.635689	7.47515	8.00327	7.589695	7.645885	7.456316	7.589982	7.174243	7.530415
C20ORF14	C20ORF14	6.992358	7.110353	6.797138	7.179392	6.851456	7.050668	6.978739	7.011603	7.000318	7.024135	6.82319	6.960144
C20ORF14	C20ORF14	6.924768	7.23326	6.947959	7.268795	7.113689	7.747532	7.463468	7.466427	7.489389	7.539627	7.343723	7.523957
C20ORF14	C20ORF14	6.862613	6.969552	6.856643	6.935581	6.893751	6.838517	6.862106	6.836583	6.786955	6.938913	6.740783	6.821367
C20ORF14	C20ORF14	7.537282	8.043249	7.515514	7.90309	8.022028	8.208109	8.019947	8.080072	8.130033	8.21704	8.089067	7.752811
C20ORF15	C20ORF15	6.896108	7.141628	6.821526	7.018688	7.044469	6.924831	6.991628	6.929815	6.855061	6.956766	6.775632	6.795977
C20ORF15	C20ORF15	6.844232	6.995514	6.745016	6.942814	6.913135	7.004782	6.868841	6.844079	6.817727	6.913622	6.644108	6.711357
C20ORF15	C20ORF15	10.88562	11.17115	10.73462	11.11481	11.35026	12.1682	11.61541	11.8259	11.66087	11.82353	11.6882	11.03651

C20ORF16	C20ORF16	9.085678	8.935914	7.951072	7.695379	7.562787	7.073012	7.02521	6.920939	6.90752	6.924862	6.746516	6.891674
C20ORF16	C20ORF16	7.192016	7.445641	7.137195	7.211823	7.31378	7.920099	7.844545	7.704295	7.518552	7.635007	7.49676	7.327695
C20ORF16	C20ORF16	6.849229	7.087902	6.849202	7.072245	7.003653	7.137414	6.997358	7.040212	6.834159	7.070035	6.947559	6.873462
C20ORF16	C20ORF16	6.844556	7.078475	6.659594	6.9983	6.952336	7.029976	6.902721	6.934673	7.014205	7.006146	6.789462	6.943516
C20ORF17	C20ORF17	8.454095	8.800397	8.19824	8.266108	7.940025	8.535365	8.182103	8.221605	7.874965	8.27445	7.891044	7.580347
C20ORF17	C20ORF17	6.960785	7.034411	6.849088	6.989168	6.915977	6.793961	6.916032	7.000392	6.772516	6.998896	6.73858	6.933169
C20ORF17	C20ORF17	6.81938	6.957815	6.797688	6.99245	6.902918	6.909917	6.8293	6.868924	6.822807	6.834987	6.700905	6.749454
C20ORF17	C20ORF17	7.035948	7.383104	6.875536	7.349111	7.44891	7.23415	7.15808	7.107214	7.230348	7.178222	6.820244	7.039904
C20ORF17	C20ORF17	9.478964	9.487893	9.197043	9.578674	9.904424	10.50403	9.881812	9.93061	9.379599	9.688617	9.450547	9.314309
C20ORF17	C20ORF17	6.862845	7.071708	6.787109	7.026159	6.906279	6.99657	6.793576	6.874945	6.876105	6.870077	6.739963	6.849847
C20ORF18	C20ORF18	6.918607	7.163692	6.812963	6.989485	6.851087	6.905371	6.815778	6.891058	6.86737	6.913062	6.733425	6.793154
C20ORF18	C20ORF18	6.763234	6.917142	6.950728	6.9474	6.898099	6.826593	6.794174	6.770446	6.730932	6.840902	6.805179	6.793989
C20ORF19	C20ORF19	7.786692	8.084506	7.78089	7.494594	7.416381	7.497468	7.44944	7.358954	7.463961	7.405944	7.043677	7.346837
C20ORF19	C20ORF19	8.917529	9.14057	8.581238	8.79766	8.731868	9.231922	8.940565	8.794368	8.851758	8.74202	8.587	8.824791
C20ORF19	C20ORF19	7.019591	7.176323	7.026953	7.287849	7.379939	7.818709	7.734665	7.843893	7.732185	7.709527	7.442248	7.29602
C20ORF19	C20ORF19	7.076585	7.116	6.911581	7.128543	7.006984	7.01163	6.944904	7.006002	6.803076	6.922197	6.830207	6.855114
C20ORF20	C20ORF20	11.06163	10.83238	10.55886	10.93634	11.10882	10.78149	10.06167	10.08863	10.23757	9.657917	9.828253	10.14757
C20ORF22	C20ORF22	7.991421	8.142567	7.756544	8.432247	8.614316	9.321901	8.938517	8.821936	8.664021	8.727263	8.308344	8.258479
C20ORF23	C20ORF23	7.242568	7.371046	7.072468	7.453017	7.321359	7.508585	7.397375	7.460158	7.371841	7.344219	7.309078	7.347067
C20ORF24	C20ORF24	11.90983	12.52951	12.10357	12.03203	11.89926	12.76797	12.18705	12.2852	12.24227	12.2372	12.51372	12.0251
C20ORF26	C20ORF26	6.91971	7.043571	6.839938	7.085719	6.965097	6.979361	6.989487	6.876893	6.897748	6.975033	6.771408	6.860906
C20ORF27	C20ORF27	11.39619	11.01753	10.02554	9.807354	9.675455	8.982379	8.706214	8.284258	8.993039	8.527196	8.182489	8.649967
C20ORF28	C20ORF28	6.938079	7.108972	6.941478	7.068009	6.948051	6.98427	6.976198	7.005132	6.887477	7.025264	6.910906	6.870838
C20ORF29	C20ORF29	7.055609	7.360592	7.109854	7.569839	7.728975	7.624711	7.681454	7.78203	7.836294	7.976392	7.922596	7.759696
C20ORF3	C20ORF3	9.187669	9.525918	8.901902	9.399524	9.277272	9.367667	9.173687	9.213992	9.224566	9.165444	9.590263	9.209699
C20ORF30	C20ORF30	11.06896	11.56818	11.14849	11.29668	11.44968	12.06232	11.77696	11.81233	11.65822	11.851	11.95194	11.52349
C20ORF31	C20ORF31	8.271671	8.76117	7.676107	8.564971	8.376299	8.733119	8.554784	8.470899	8.379197	8.436035	8.504447	8.237723
C20ORF32	C20ORF32	6.883184	7.004826	6.67736	6.981954	6.935658	6.866127	6.71322	6.905218	6.879674	6.900453	6.765608	6.767083
C20ORF35	C20ORF35	11.54897	11.58033	10.26349	10.13337	10.52659	12.28905	12.22673	12.23743	12.20006	12.42967	12.19523	11.98025
C20ORF39	C20ORF39	7.555972	7.494991	7.842191	7.396618	7.287921	7.834934	7.974275	8.448543	8.116619	8.373064	7.796416	7.490301
C20ORF4	C20ORF4	9.034951	9.379822	9.125091	9.400027	9.293419	10.13549	9.490147	9.728752	9.34284	9.519393	9.443815	9.193428
C20ORF42	C20ORF42	8.036314	8.405514	7.104924	7.870909	8.187487	8.647243	8.105561	8.028891	7.54471	7.58464	7.382331	7.308518
C20ORF43	C20ORF43	10.77529	11.19449	11.03497	11.31535	11.31933	11.90005	11.5254	11.55916	11.5036	11.71922	11.56931	11.58231
C20ORF44	C20ORF44	9.322212	9.388449	8.896816	9.310508	9.324371	10.35361	9.976793	9.77414	9.934448	9.874216	9.312627	9.834775
C20ORF45	C20ORF45	9.282883	9.373009	8.840126	9.066639	9.128869	9.753603	9.261745	9.436204	9.464403	9.52286	9.426173	9.580169
C20ORF46	C20ORF46	8.806988	8.70525	9.296929	9.125133	9.379319	9.714591	8.503218	8.163529	8.452892	7.930166	7.810556	8.275508

C20ORF50	C20ORF50	6.781201	6.978718	6.771396	7.05741	6.87906	6.914845	7.135456	7.581789	7.723452	8.35646	7.662055	7.134802
C20ORF51	C20ORF51	6.793122	7.068965	6.777773	7.122493	6.94279	6.924508	6.878415	6.995047	6.8589	6.866043	6.888669	6.921445
C20ORF52	C20ORF52	11.9345	12.68881	12.19867	12.46957	12.26755	12.40826	12.51072	12.07915	12.43749	12.66865	12.39406	12.17905
C20ORF54	C20ORF54	7.163668	7.212466	6.792336	6.985643	6.901958	6.889961	6.836018	7.020437	6.895786	6.964182	6.710625	6.840574
C20ORF55	C20ORF55	7.975367	8.009046	7.45653	7.715667	7.642088	7.618037	7.385444	7.500028	7.398516	7.314282	7.062516	6.897555
C20ORF58	C20ORF58	7.099486	7.598028	7.191592	7.215935	7.26908	7.059169	6.899189	7.00794	7.299307	7.065093	6.853132	6.840028
C20ORF59	C20ORF59	7.52346	7.195996	6.882851	7.051347	6.80173	7.005205	6.734016	6.931462	6.795512	6.866662	6.749002	6.724978
C20ORF6	C20ORF6	6.950272	7.092958	6.735268	7.07839	6.953146	6.859337	6.858886	6.945975	6.835226	6.922243	6.816903	6.830071
C20ORF62	C20ORF62	6.910758	7.332333	6.918987	7.217909	7.089393	7.187639	7.013161	7.097698	7.023967	7.155368	6.941142	7.001024
C20ORF67	C20ORF67	7.127499	7.223332	7.011752	7.231656	7.361462	7.29268	7.192134	7.605548	7.34019	7.68195	7.62219	7.390933
C20ORF7	C20ORF7	8.626008	8.777968	8.493174	8.599724	8.684505	9.731381	9.22497	9.197837	9.341999	9.473291	9.205647	9.044395
C20ORF70	C20ORF70	6.839632	7.022581	6.870974	7.010243	6.843156	6.968999	6.808511	6.95052	6.83215	6.921788	6.806112	6.831913
C20ORF71	C20ORF71	6.806522	7.039836	6.798303	6.952021	6.852965	6.980113	6.925722	6.998799	6.906924	6.937331	6.760662	6.840711
C20ORF72	C20ORF72	11.09765	11.47375	10.55036	10.44169	10.21725	10.96427	10.13919	10.12712	9.75292	9.616484	9.450564	9.170661
C20ORF74	C20ORF74	7.066279	7.199792	6.893736	7.194315	7.061683	7.151386	7.06817	7.027824	7.026251	7.060187	6.89972	6.913559
C20ORF75	C20ORF75	6.991253	7.321365	7.841707	10.49767	10.4993	8.920704	9.131488	9.306937	8.785593	8.377264	7.80555	7.300442
C20ORF77	C20ORF77	6.790042	7.114446	6.813377	7.041092	6.9844	6.93544	6.83691	6.872778	6.784535	6.853792	6.780911	6.822652
C20ORF79	C20ORF79	7.043803	7.13609	6.861356	7.072222	7.094044	7.080991	6.951651	6.950579	6.971967	6.984382	6.861854	6.852091
C20ORF82	C20ORF82	7.018313	7.213217	7.927511	8.544602	8.196391	7.125468	6.983185	7.12084	7.304222	7.060632	6.762053	6.922367
C20ORF85	C20ORF85	6.915816	7.020444	6.865941	6.989662	6.95964	6.965003	6.871619	6.911275	6.898032	7.014767	6.836539	6.874827
C20ORF86	C20ORF86	7.032622	7.033641	6.799811	7.059771	7.021557	7.233405	6.897044	6.932477	6.879892	6.955481	6.774069	6.905289
C20ORF91	C20ORF91	6.914162	7.171916	6.851928	7.111914	6.995878	7.008202	6.914871	7.065992	6.939044	6.992742	6.883615	6.832079
C20ORF94	C20ORF94	8.131499	8.519961	7.866126	8.110592	7.915739	7.770569	7.614996	7.39781	7.537584	7.280767	6.962932	7.28389
C20ORF95	C20ORF95	6.889509	7.191373	6.865639	7.097241	7.065536	7.122317	6.964651	6.983568	6.996965	6.992959	6.839637	6.944083
C20ORF96	C20ORF96	6.990639	7.158733	6.80657	7.341784	7.170514	7.078313	6.982003	7.152552	6.939876	7.043856	6.73136	6.771291
C20ORF98	C20ORF98	7.761662	7.917898	7.807918	8.246805	8.534991	9.194749	9.109194	9.244045	9.034443	9.250425	9.367392	8.92322
C21ORF10	C21ORF10	6.84963	7.083751	6.886874	7.105938	6.903896	6.981442	6.975032	6.913352	6.864185	6.962374	7.082808	6.922121
C21ORF11	C21ORF11	6.949845	7.130703	6.810321	6.985719	7.046445	7.013658	6.952672	6.943561	6.977493	7.066154	6.791838	6.912717
C21ORF11	C21ORF11	7.04365	7.214436	6.870355	7.18898	7.018681	7.271797	7.011953	7.091149	7.10409	7.150289	6.946294	7.069242
C21ORF12	C21ORF12	6.9355	7.163013	6.853423	7.023821	6.948689	7.042304	6.936464	6.968078	6.905991	6.978082	6.923203	7.01835
C21ORF12	C21ORF12	6.938214	7.322184	7.158781	7.488879	7.517482	7.904479	7.646408	7.781951	7.665643	7.64687	7.216544	7.386923
C21ORF12	C21ORF12	6.87769	7.048666	6.804025	6.981667	6.883471	6.8392	6.852592	6.862728	6.875447	6.886653	6.686369	6.78894
C21ORF12	C21ORF12	7.185747	7.496823	7.13562	7.268102	7.234591	7.309901	7.209429	7.180195	7.08261	7.162324	6.917525	7.011839
C21ORF12	C21ORF12	6.813488	7.13686	6.818785	6.953005	6.880029	6.97703	6.864572	6.970433	6.813741	6.992849	6.782472	6.794845
C21ORF12	C21ORF12	7.670301	8.01858	7.803522	7.900323	7.847403	8.519353	8.257419	8.212225	8.229458	8.209885	8.21065	7.927316
C21ORF12	C21ORF12	7.24268	7.458702	7.049613	7.334921	7.174735	7.235521	7.226557	7.252055	7.075433	7.285776	6.958882	7.078333

C21ORF12	C21ORF12	6.936051	7.178239	7.491299	7.704081	7.970757	6.982632	6.922849	6.953561	6.884317	6.89375	6.788355	6.810191
C21ORF13	C21ORF13	6.873047	7.05168	6.893244	7.072662	7.022846	7.109625	6.937508	6.957589	6.934157	6.994395	6.876452	6.861763
C21ORF2	C21ORF2	7.831277	8.103834	7.908437	8.436637	8.670823	8.758362	8.554712	8.468949	8.407178	8.600786	7.972468	8.088365
C21ORF24	C21ORF24	11.28816	12.24693	11.75699	12.10324	12.3247	12.18855	12.21822	11.79895	11.96686	11.76843	11.5587	11.67476
C21ORF25	C21ORF25	8.491918	8.479328	7.862164	8.737688	8.673003	8.419502	7.881652	7.869116	7.952205	7.735902	7.843861	8.047788
C21ORF29	C21ORF29	6.864564	7.042929	6.880542	6.89689	6.853042	7.245814	7.007784	7.183004	6.983043	7.035263	6.667947	6.926039
C21ORF33	C21ORF33	10.24279	10.79541	9.930397	10.29616	10.53088	11.66808	11.11668	11.15052	10.92782	11.02653	10.77887	10.60029
C21ORF34	C21ORF34	6.973094	7.028509	6.817379	7.436326	7.566153	7.92479	7.784385	7.586781	7.831355	7.601251	7.138579	7.333849
C21ORF37	C21ORF37	7.101197	7.227607	7.069624	7.644416	7.259602	7.258562	7.118915	7.040621	6.954697	7.034822	6.88599	7.038016
C21ORF41	C21ORF41	6.887672	7.140148	6.866419	7.079038	6.977844	7.012988	6.912836	6.90995	6.934482	6.976827	6.781179	6.847929
C21ORF42	C21ORF42	6.873228	7.09545	6.90787	7.168495	7.222995	7.215635	7.106717	7.029371	7.085827	7.009705	6.933192	7.064164
C21ORF45	C21ORF45	8.59844	9.141383	8.46342	8.149818	7.708679	7.677119	7.35707	7.249002	7.393757	7.384476	7.172432	7.044448
C21ORF49	C21ORF49	6.8204	7.104891	6.820068	7.069842	6.962449	6.985373	6.797939	6.930353	6.974912	6.927565	6.663602	6.914458
C21ORF51	C21ORF51	7.924652	8.280687	7.608662	7.780977	8.156148	8.675624	8.485559	8.486381	8.53302	8.608065	8.615387	8.317203
C21ORF55	C21ORF55	11.20748	12.03892	11.55326	12.09829	12.00931	11.76614	12.00876	11.50528	11.76678	11.51384	10.78815	11.5771
C21ORF56	C21ORF56	8.032377	8.284743	7.312477	7.580139	7.632075	7.50903	7.427886	7.602172	7.53744	7.636857	7.564052	7.361098
C21ORF57	C21ORF57	9.020628	9.44565	8.747178	8.68708	8.595416	9.582332	8.974184	8.884057	8.869798	8.909952	8.994882	8.788578
C21ORF58	C21ORF58	7.680391	7.577145	7.324695	7.701409	7.598357	7.383301	7.318676	7.224109	7.167562	7.103266	6.854477	6.896029
C21ORF59	C21ORF59	9.411888	9.951953	8.82266	8.682498	8.465499	8.91304	8.34662	8.464804	8.368418	8.437279	8.469584	8.453512
C21ORF6	C21ORF6	7.779772	8.180884	7.600744	7.760629	7.713197	8.126651	7.875002	7.826174	7.822179	7.857133	7.57896	7.741419
C21ORF62	C21ORF62	6.955988	7.115143	6.863857	7.135991	7.165439	7.03186	7.009662	6.937924	7.056403	6.999554	6.875688	6.838025
C21ORF63	C21ORF63	7.362335	7.426049	6.863875	7.077635	6.988382	7.136575	7.095428	7.117243	7.055994	7.222514	7.466027	7.299473
C21ORF66	C21ORF66	9.578651	9.821367	9.86885	9.875851	9.401463	9.245167	8.790349	8.645202	8.807364	8.350973	7.905879	8.254962
C21ORF67	C21ORF67	6.962531	7.093957	6.982411	7.196879	7.033653	7.112448	6.98209	7.10726	7.126028	7.08493	6.917939	7.090924
C21ORF69	C21ORF69	6.95186	7.264399	6.94266	7.183065	7.227414	7.312238	7.184375	7.207063	7.214252	7.149235	7.044477	7.171976
C21ORF7	C21ORF7	6.955334	7.075027	6.845784	7.090072	7.078374	7.254227	7.527428	8.215831	8.224505	8.435078	9.335642	7.875666
C21ORF70	C21ORF70	8.050321	8.6472	7.859644	7.892665	7.895547	8.127502	7.674678	7.765171	7.733696	7.784817	7.814733	7.928686
C21ORF74	C21ORF74	6.843705	7.132889	6.835806	7.082428	6.964358	6.937712	6.894358	7.010074	6.890292	6.880354	6.811936	6.817481
C21ORF77	C21ORF77	6.918117	7.14278	6.794923	7.058582	7.023251	7.105087	6.963981	6.952667	6.955263	6.961099	6.938969	6.943329
C21ORF81	C21ORF81	8.065858	8.201086	8.030275	8.886714	8.532695	7.504546	7.21422	7.303895	7.345755	7.179245	6.958802	6.974642
C21ORF84	C21ORF84	6.998986	7.021607	6.760767	7.071745	6.971662	6.981659	6.9193	7.016229	6.916033	6.956247	6.899992	6.829202
C21ORF86	C21ORF86	6.849499	7.197165	6.783531	6.999098	6.843779	6.872712	6.909999	6.892562	6.915709	6.933273	6.776191	6.843959
C21ORF87	C21ORF87	6.899433	7.091851	6.846791	6.996129	6.980936	7.044129	6.91727	6.979844	6.893638	7.032117	6.818986	6.861256
C21ORF88	C21ORF88	7.089625	7.162893	6.929353	7.070789	6.955169	7.046965	7.049464	7.016871	6.998211	7.001249	6.887141	6.959229
C21ORF90	C21ORF90	7.028616	7.19583	6.827663	7.106706	7.129288	7.077404	6.941271	7.061992	6.830696	7.050344	6.816816	6.876366
C21ORF91	C21ORF91	7.511677	8.105931	7.624866	7.742224	7.430153	7.591422	7.413652	7.462548	7.537007	7.539582	7.471848	7.452425

C21ORF93	C21ORF93	6.983154	7.121512	6.883984	7.112028	6.988464	7.083429	6.981924	7.079279	7.030094	6.981979	6.856762	6.934609
C21ORF94	C21ORF94	6.849576	7.129096	6.798432	7.01484	6.979495	6.969252	6.959735	6.866808	6.906849	6.998718	6.849141	6.841213
C21ORF99	C21ORF99	6.787258	6.807914	6.642594	6.827365	6.747636	6.769623	6.719576	6.74731	6.858209	6.841054	6.701736	6.761138
C22ORF13	C22ORF13	10.69981	10.83705	10.42128	10.57164	10.7751	11.00749	10.73963	10.70141	10.50993	10.49161	10.27443	10.33125
C22ORF15	C22ORF15	7.201614	7.178657	6.923297	6.965256	7.057696	7.003582	6.818656	6.943958	7.022645	7.016104	6.857672	6.817855
C22ORF16	C22ORF16	10.51469	10.67086	9.528972	9.807184	10.96364	12.96404	12.68856	12.87272	12.5872	13.04805	13.10228	12.45493
C22ORF18	C22ORF18	8.972027	9.157527	8.749627	8.524223	8.315951	8.595217	8.551694	8.543809	8.308428	8.388802	7.63822	7.149628
C22ORF23	C22ORF23	7.247826	7.431133	7.336974	7.512443	7.43852	7.39394	7.289942	7.229678	7.249383	7.207982	7.028405	7.268586
C22ORF25	C22ORF25	7.505402	7.784072	7.487444	7.768274	7.745328	8.281017	8.034662	8.214051	8.211716	8.532321	8.903086	9.125248
C22ORF5	C22ORF5	9.237557	9.180454	8.416261	9.190781	9.0619	8.818184	8.931632	9.050535	8.89763	9.070184	9.466486	8.753151
C22ORF8	C22ORF8	7.538646	8.29503	7.864133	9.047063	8.609499	8.729221	8.429576	8.210372	8.27441	7.917482	7.411169	7.469097
C22ORF9	C22ORF9	7.205976	7.220193	6.915379	7.188746	7.130996	7.084322	7.076706	7.077798	7.004	7.018782	6.999205	6.968669
C2ORF10	C2ORF10	6.999491	7.218275	6.960243	7.322613	7.017394	7.290144	7.062889	7.037142	6.938665	7.130151	6.903014	6.883149
C2ORF11	C2ORF11	7.446209	7.035747	7.091126	8.402486	8.025925	7.211201	7.032394	7.169534	8.212992	7.115035	6.990424	7.319019
C2ORF12	C2ORF12	7.072314	7.115669	7.092731	7.238526	7.228838	7.289257	7.2952	7.103597	7.256036	7.132509	6.994672	7.199043
C2ORF13	C2ORF13	6.824607	7.014767	6.708958	6.958365	6.915284	6.954507	6.939286	6.919765	6.909502	6.999362	6.855366	6.907879
C2ORF15	C2ORF15	8.092802	8.107796	7.238299	7.364311	7.401584	7.285706	7.081265	7.093362	7.200738	7.026984	6.874678	6.903369
C2ORF16	C2ORF16	6.902406	7.008074	6.905941	7.030434	6.879214	7.045144	6.918603	7.063183	6.937692	6.987876	6.732759	6.857522
C2ORF17	C2ORF17	8.475261	8.734726	8.387174	8.558277	8.536605	8.666366	8.259472	8.338663	8.244522	8.366114	8.308683	8.44412
C2ORF18	C2ORF18	7.399253	7.917553	7.722594	8.204174	7.866789	8.140558	7.890536	8.04336	8.146301	8.120397	8.15151	8.114477
C2ORF19	C2ORF19	6.781129	7.176213	6.900814	7.041389	6.903459	6.966878	6.880018	6.937611	6.979312	6.938561	6.787692	6.869129
C2ORF21	C2ORF21	6.933714	7.159271	6.880627	7.135979	7.017946	7.008819	6.989016	6.956944	7.000777	7.014279	6.878675	6.902231
C2ORF24	C2ORF24	8.101514	8.609954	7.73302	7.821035	8.099886	9.17149	8.649208	8.626473	8.540071	8.619478	8.729267	8.641297
C2ORF25	C2ORF25	11.87566	12.26746	11.88521	11.61608	11.75529	12.53192	11.76902	12.0096	11.97644	11.93205	12.06466	11.61076
C2ORF26	C2ORF26	10.81201	10.3522	10.18534	10.25082	10.37283	9.689491	9.219473	9.169843	9.551172	9.008295	9.407999	9.033093
C2ORF27	C2ORF27	6.863118	7.083453	6.774365	6.973419	6.80923	7.252888	7.118373	7.186212	7.037286	7.079374	7.108894	6.983334
C2ORF28	C2ORF28	11.57422	12.01039	11.39478	11.43187	11.71157	12.32464	12.03246	12.14849	12.23229	12.16917	12.01078	11.94801
C2ORF29	C2ORF29	11.74675	12.07528	11.1536	11.5937	11.82097	12.55694	12.23888	12.46216	12.26768	12.6446	12.06231	12.35751
C2ORF3	C2ORF3	6.993651	7.202642	6.736758	7.074571	6.964415	7.076427	6.865902	6.960655	6.92592	6.942827	6.746546	6.774507
C2ORF30	C2ORF30	9.501169	9.67475	9.670657	10.04169	10.2612	10.53126	10.21764	10.62075	10.45363	10.56902	10.84275	10.62084
C2ORF32	C2ORF32	7.42454	7.661814	6.86021	7.481034	7.480867	7.498766	7.543541	7.736058	7.74699	7.323423	7.721107	7.339858
C2ORF33	C2ORF33	8.447278	8.894606	8.430603	9.056532	9.384861	10.02918	9.525034	9.575395	9.622714	9.589371	9.441678	9.320215
C2ORF34	C2ORF34	8.883822	8.940339	7.85698	8.121607	7.930275	8.114263	7.969314	7.916846	7.790091	7.901091	7.708555	7.548651
C2ORF4	C2ORF4	9.081921	9.824802	9.226936	9.500161	9.149929	10.30973	10.08798	10.23682	10.04939	10.06769	9.858351	9.698374
C2ORF52	C2ORF52	7.018563	7.186238	6.835384	6.984521	7.050761	7.102623	6.916327	7.033312	6.991697	7.049189	6.802717	6.89972
C2ORF7	C2ORF7	7.365327	7.676546	7.626626	8.299533	8.641061	10.34728	9.870189	9.748781	9.829621	10.17905	9.898181	9.806794

C3	C3	7.056593	7.088656	6.848735	7.045186	6.8946	7.159663	6.902241	6.902916	6.943385	6.929082	6.840627	7.08336
C3AR1	C3AR1	6.82516	7.05197	6.787403	6.976926	6.925396	6.833202	6.93169	6.817078	6.950807	6.877489	6.781749	6.814733
C3ORF1	C3ORF1	7.625062	7.789478	7.419598	7.748035	7.72457	9.160226	8.660803	8.647623	8.51191	8.660213	8.258412	8.379639
C3ORF10	C3ORF10	10.63099	11.03846	10.57452	10.66923	10.77622	10.96567	10.39435	10.40652	10.41358	10.25774	10.10262	9.900132
C3ORF14	C3ORF14	9.093328	9.735287	8.938137	8.402365	8.393845	8.500418	8.177019	8.238915	8.63207	8.185598	8.719861	8.137093
C3ORF15	C3ORF15	7.384079	8.018429	7.520716	8.093187	7.919083	7.649736	7.546363	7.423899	7.532364	7.478321	7.299968	7.484139
C3ORF17	C3ORF17	8.077827	8.310098	7.866462	8.213221	7.949516	8.167356	7.916091	7.823129	7.801925	7.720121	7.854235	7.601289
C3ORF18	C3ORF18	7.293357	7.489028	7.004892	7.269951	7.554549	7.92839	7.676606	7.659923	7.784275	7.766278	7.591919	7.565092
C3ORF19	C3ORF19	9.591648	9.84233	9.625222	9.772596	9.672922	9.862497	9.470675	9.396188	9.407781	9.184138	8.71086	9.202268
C3ORF20	C3ORF20	6.837989	7.009372	6.699153	7.0475	6.862625	7.049278	6.845805	6.881809	6.864288	6.856597	6.885884	6.769953
C3ORF21	C3ORF21	10.09156	10.21594	10.03504	10.38359	10.37872	10.24927	10.0309	9.800017	9.943631	9.675804	9.488409	9.548787
C3ORF22	C3ORF22	6.923935	7.230474	7.018231	7.213286	7.183525	7.257438	7.004036	7.031835	6.992709	7.221254	6.965638	6.924755
C3ORF23	C3ORF23	7.231054	7.51221	7.155546	7.357756	7.349138	7.527352	7.388391	7.563892	7.401455	7.533866	7.328071	7.296105
C3ORF24	C3ORF24	6.814934	7.075621	6.80525	6.954907	6.869548	6.9226	6.8132	6.805866	6.831961	6.92426	6.759349	6.798518
C3ORF25	C3ORF25	6.899837	7.174859	6.928524	7.148851	7.046716	7.077446	6.991969	7.001244	7.008888	7.018923	6.817833	6.955321
C3ORF26	C3ORF26	10.58584	11.18008	10.27524	10.30993	9.965942	10.43652	9.752313	9.655463	9.875317	9.761821	9.568166	9.465026
C3ORF27	C3ORF27	6.84137	7.022874	6.883711	6.903659	6.862347	6.963302	6.721778	6.960046	6.91192	6.903378	6.877233	6.888765
C3ORF28	C3ORF28	10.29353	10.33491	9.090375	9.837339	11.18737	11.04136	11.06183	10.42258	11.23942	11.01497	10.75027	11.85035
C3ORF29	C3ORF29	10.05812	10.45791	9.721725	9.708015	9.356541	9.675575	9.228208	9.084528	9.181985	9.274047	8.64817	9.325702
C3ORF30	C3ORF30	7.140774	7.443823	7.137723	7.249886	7.121096	7.142411	7.028729	7.045615	7.062051	7.187261	6.862269	6.957447
C3ORF31	C3ORF31	10.3922	10.39552	9.764073	9.982357	9.78948	10.37545	9.577617	9.499592	9.594994	9.502924	9.294993	9.270626
C3ORF32	C3ORF32	7.034414	7.297092	6.862092	7.154311	7.043044	7.030058	6.914629	6.967272	6.976532	7.02066	6.883933	6.762988
C3ORF33	C3ORF33	7.317491	7.426788	6.992715	7.162045	7.29442	7.582943	7.496017	7.322158	7.523884	7.586951	7.058914	7.495895
C3ORF34	C3ORF34	9.883041	10.66449	10.14518	10.52525	10.85961	10.75469	10.77261	10.56474	10.58024	10.69809	10.62551	10.50283
C3ORF35	C3ORF35	6.954689	7.139478	6.875945	7.097143	7.024285	7.097473	6.87013	6.974896	7.010871	7.02336	6.821957	6.904563
C3ORF36	C3ORF36	6.967465	7.200007	7.082003	7.203037	7.09261	7.053184	6.957769	6.956499	6.981477	7.096121	6.893389	6.904623
C3ORF37	C3ORF37	8.834361	9.054226	8.568607	8.864044	8.694733	8.97871	8.337706	8.42907	8.192757	8.259189	8.050765	8.09935
C3ORF38	C3ORF38	8.821759	9.358086	8.98881	8.958972	8.789199	9.516725	8.790424	8.952833	8.957296	8.90178	8.917115	8.639736
C3ORF39	C3ORF39	8.249862	8.547274	7.872158	8.555723	8.711841	8.546775	8.252827	8.480453	8.487155	8.495623	8.485409	8.72213
C3ORF40	C3ORF40	9.090228	9.280464	8.368091	8.633855	8.697924	8.421673	8.435602	8.289389	8.700643	8.412581	8.037168	8.310658
C3ORF41	C3ORF41	6.988547	7.198972	6.847245	7.00246	7.020511	6.88964	6.891922	6.912164	6.970965	6.927094	6.787263	6.847668
C3ORF42	C3ORF42	6.964702	7.033475	6.832424	6.966946	6.90551	6.945392	6.841142	6.993554	6.910014	6.869594	6.735246	6.791632
C3ORF45	C3ORF45	6.888408	7.066203	6.80118	6.964618	7.024087	8.240939	8.62184	8.938763	8.503368	8.955634	8.324581	8.311313
C3ORF47	C3ORF47	6.759977	7.069221	6.915471	7.184076	6.845036	6.867777	6.797509	6.845666	6.981751	6.815858	6.87504	6.760275
C3ORF48	C3ORF48	6.839349	7.082686	6.881467	7.085473	6.958261	6.968962	6.980873	6.959365	6.93245	6.959788	6.840813	7.022573
C3ORF52	C3ORF52	8.57591	8.603539	8.175641	9.317277	9.14571	8.021943	7.568551	7.69212	7.350487	7.443167	7.940861	7.326899

C3ORF54	C3ORF54	7.299737	7.470322	7.130636	8.239225	8.751496	7.92493	8.193312	7.950632	8.335171	7.738101	7.705583	7.514656
C3ORF56	C3ORF56	6.956127	7.048714	6.772554	7.017732	6.861095	7.132794	6.925606	7.014785	6.862919	6.809637	6.874111	6.804001
C3ORF57	C3ORF57	7.23992	7.131947	6.899948	7.129442	7.065943	6.936153	6.882999	6.867654	6.864959	6.957585	6.749565	6.832541
C3ORF58	C3ORF58	8.617639	8.981008	9.068158	9.065061	8.928762	9.29916	8.884039	8.897451	8.697158	8.386588	8.005353	8.411888
C3ORF59	C3ORF59	9.415706	9.840769	8.863476	8.681149	8.535196	9.046337	8.68908	8.873712	8.717792	9.090674	8.67169	8.650087
C3ORF60	C3ORF60	8.840721	9.152385	8.573159	9.585459	10.20612	11.03399	10.94189	10.94349	11.07315	11.22156	10.77813	10.82929
C3ORF62	C3ORF62	7.19115	7.448604	7.099531	7.504168	7.361087	7.902953	7.509652	7.481921	7.309551	7.317949	7.098858	7.107523
C3ORF63	C3ORF63	7.549896	7.700821	7.243277	7.620865	7.777571	7.922943	7.735524	7.724764	7.616653	7.607911	7.415885	7.408142
C3ORF64	C3ORF64	8.228378	8.156724	8.9248	8.215374	7.915588	8.457639	7.970084	7.944446	7.732573	7.663294	7.71758	7.712543
C3ORF65	C3ORF65	6.873299	7.102237	6.800357	6.952963	6.993807	7.073884	6.89234	7.050796	6.95996	6.892979	6.754821	6.868778
C3ORF9	C3ORF9	10.15292	10.52736	10.20809	10.33986	10.34732	10.64187	9.825354	9.923112	9.920243	9.542022	9.664203	9.629744
C4A	C4A	6.932756	7.164535	6.891562	7.232019	6.991535	7.037399	7.052593	7.024871	6.98868	7.203758	7.068745	7.320055
C4B	C4B	6.820822	7.033154	6.669686	7.046388	7.0081	6.993769	7.067985	7.400213	7.563898	7.964417	7.279026	7.462749
C4BPA	C4BPA	6.817316	7.042683	6.850834	7.079913	6.935349	6.941572	6.713272	6.92438	6.891502	6.936092	6.703337	6.807481
C4BPB	C4BPB	6.874558	7.047074	6.878419	7.117493	6.948789	7.000159	6.878249	6.966387	6.928102	7.006526	6.770268	6.848234
C4ORF11	C4ORF11	6.900236	7.183858	6.876444	7.131468	6.967043	7.270445	6.82268	7.139836	6.931629	6.998813	6.818531	6.949648
C4ORF12	C4ORF12	6.945212	7.274217	6.963858	7.084749	7.015305	7.035502	7.001983	6.88866	7.015778	7.067474	6.996586	6.892155
C4ORF13	C4ORF13	7.131425	7.245785	7.232814	7.500358	7.553276	7.285072	7.063837	7.252594	7.162849	7.221256	7.251287	7.125858
C4ORF14	C4ORF14	10.28505	10.02868	9.551288	9.500554	9.378128	9.538244	9.24633	9.356257	9.33443	9.382094	9.3367	8.964565
C4ORF15	C4ORF15	6.923008	7.149191	6.918965	7.117975	7.110014	7.137484	7.075065	7.079017	7.005658	7.194176	6.820046	6.96293
C4ORF16	C4ORF16	7.304203	7.57147	7.081931	7.442859	7.270245	7.256849	7.09111	7.180212	7.084957	7.067834	6.978077	7.11205
C4ORF17	C4ORF17	6.974606	7.005089	6.775262	6.926975	6.873355	6.901165	6.818998	6.858863	6.836648	6.892503	6.704025	6.750884
C4ORF18	C4ORF18	6.854749	7.001047	7.536542	8.864406	8.438483	9.179307	8.849301	8.980905	9.211273	9.172547	8.831403	8.697354
C4ORF28	C4ORF28	6.78608	7.154556	6.93295	7.088281	7.121205	7.083528	6.843955	7.026585	6.888014	6.999463	6.812192	6.880384
C4ORF32	C4ORF32	7.082468	7.218608	6.926194	7.124124	7.286642	8.166392	8.139387	7.918569	7.692236	7.807742	7.349221	7.516174
C4ORF34	C4ORF34	10.45703	11.32153	10.0957	10.12453	10.05721	10.07471	9.860412	9.639457	9.93939	9.52314	9.877935	9.8683
C4ORF36	C4ORF36	7.170318	7.466491	7.000471	7.068645	7.048927	7.093875	6.953015	6.985687	6.970038	7.019328	6.810039	6.922701
C4ORF6	C4ORF6	6.852488	7.127545	6.824604	6.977877	6.970955	6.936193	6.84865	6.977532	6.898418	7.045338	6.927406	6.831088
C4ORF7	C4ORF7	6.793137	6.849415	6.826541	6.865056	6.818333	6.814368	6.903496	6.789374	6.831624	6.850767	6.692243	6.790967
C4ORF8	C4ORF8	8.278764	8.823064	8.237448	8.849067	8.429583	8.534431	8.280533	8.288512	8.286311	8.310254	8.190742	8.104261
C4ORF9	C4ORF9	9.01133	9.53603	8.782107	9.018627	8.522351	8.850354	8.523095	8.380739	8.411935	8.425562	8.320557	8.569671
C5	C5	7.153583	7.444764	9.348296	8.552693	8.673724	8.523034	7.971404	7.863717	8.095888	7.699952	7.277542	7.174239
C5AR1	C5AR1	6.828904	7.079566	6.796753	7.076921	6.944324	6.988954	6.952978	7.03364	6.91093	6.944484	6.750221	6.713737
C5ORF13	C5ORF13	12.8114	12.9706	12.17074	13.16557	13.71666	14.55422	14.67547	14.99093	14.55063	14.81167	14.37446	14.15912
C5ORF14	C5ORF14	7.915042	8.373911	8.02007	8.362506	8.473338	8.87244	8.588909	8.470699	8.719624	8.540976	8.06921	8.672991
C5ORF15	C5ORF15	11.34155	11.51782	11.41323	12.05575	12.07228	12.20481	11.90138	11.97833	11.93916	11.83876	11.54942	11.99724

C5ORF16	C5ORF16	7.882407	8.046842	7.275202	7.232063	7.153299	7.44033	7.067776	7.12144	7.268041	7.27424	7.1453	7.110762
C5ORF20	C5ORF20	7.068516	7.153381	6.971903	7.061698	7.074095	7.205941	7.039282	7.089611	7.046486	7.077411	7.04238	6.847017
C5ORF21	C5ORF21	9.07134	9.370253	9.656231	9.656537	9.755855	10.22881	9.645907	9.633961	9.709705	9.7505	9.718905	9.627176
C5ORF28	C5ORF28	10.36765	11.41998	10.8334	11.29599	11.45585	11.05327	11.32962	10.58893	11.21543	10.6455	10.07819	10.84499
C5ORF3	C5ORF3	7.183055	7.4041	7.388592	7.625834	7.613423	7.804028	7.427804	7.681043	7.550794	7.630595	7.431605	7.44378
C5ORF34	C5ORF34	7.17977	7.508859	7.058595	7.363857	7.275841	7.197122	7.105414	6.957429	7.051927	7.00806	6.690037	6.934434
C5ORF36	C5ORF36	6.887488	7.085551	6.814192	7.010543	6.911158	7.014874	6.837154	6.895303	6.916521	6.936045	6.758381	6.83196
C5ORF37	C5ORF37	8.321999	8.741173	8.602559	8.724435	8.382356	8.868424	8.183883	8.469196	8.465243	8.265735	7.925541	7.996055
C5ORF4	C5ORF4	6.978153	7.254086	7.029943	7.410724	7.565753	7.606366	7.524143	7.620329	7.40156	7.541445	7.137196	7.171474
C5ORF5	C5ORF5	9.005107	9.79253	9.516141	10.53148	10.52464	11.28714	10.64243	10.57556	10.64791	10.39049	9.9153	9.954027
C6	C6	6.869198	7.233693	6.72363	6.978827	7.072707	7.440417	8.019687	8.082506	8.022728	7.362072	7.13243	6.964925
C6ORF1	C6ORF1	7.021306	7.224912	6.916244	7.124656	7.087676	7.133678	7.097084	7.188266	7.299462	7.259139	7.320952	7.256795
C6ORF10	C6ORF10	7.047417	7.175356	6.892054	7.200383	7.061799	7.124173	6.910748	6.925681	7.001953	7.006543	6.887548	7.00935
C6ORF103	C6ORF103	6.955429	7.074402	6.765513	7.079282	6.892005	7.074815	6.913477	6.992559	6.89384	6.987796	6.840825	6.897481
C6ORF105	C6ORF105	6.985058	7.014954	6.895314	7.158862	7.04555	7.013935	6.941042	6.974891	6.974688	7.063232	7.170738	6.98493
C6ORF106	C6ORF106	7.695938	7.998512	7.453935	7.696461	7.538659	7.895384	7.738451	7.760304	7.818151	7.847659	7.674746	7.945585
C6ORF107	C6ORF107	7.085819	7.180779	6.938608	7.189974	7.0374	7.053425	6.911677	7.042565	6.987559	6.943047	6.860926	7.058916
C6ORF108	C6ORF108	9.095176	9.281877	8.810662	8.688838	9.010234	10.10066	9.681852	9.642242	9.365089	9.480226	9.201829	8.819577
C6ORF111	C6ORF111	10.54897	10.53544	10.39877	10.53329	10.36571	10.60676	10.09442	10.18114	10.20562	9.713139	9.331022	9.613218
C6ORF113	C6ORF113	9.138651	9.468453	9.041879	8.915261	8.572399	8.727574	8.209965	8.182765	8.414571	8.141187	8.111177	7.847886
C6ORF114	C6ORF114	6.862347	7.175102	6.8049	6.961374	6.925336	7.326375	6.904664	7.069964	7.090546	7.140288	6.896857	6.932737
C6ORF115	C6ORF115	10.54642	11.282	10.44112	9.747302	9.265242	8.687389	8.257289	7.950017	8.447947	7.89097	8.092403	7.643366
C6ORF117	C6ORF117	9.736907	10.09707	8.50426	8.868296	9.088147	9.655205	9.309046	9.210751	9.120149	8.720633	8.356728	7.898307
C6ORF118	C6ORF118	6.877858	6.976151	6.807217	6.939104	7.016766	6.99542	6.818622	7.057636	6.856924	6.917244	6.731555	6.796389
C6ORF12	C6ORF12	6.952394	7.240579	6.835596	7.101244	7.003147	7.07642	7.022322	7.04306	7.102889	7.006478	6.793892	6.913867
C6ORF120	C6ORF120	7.434479	7.480122	7.535495	7.731621	7.924611	8.107756	8.030524	7.835781	7.98724	8.000311	7.890962	7.88234
C6ORF122	C6ORF122	6.874644	7.077476	6.866262	7.022216	7.02081	6.990208	6.931585	6.968504	6.987496	7.053396	6.934399	6.919996
C6ORF123	C6ORF123	6.748629	7.067149	6.782877	6.947187	6.938421	7.003812	6.850487	6.981026	6.833454	6.993343	6.82272	6.789794
C6ORF125	C6ORF125	11.09926	11.68792	11.22624	11.29103	11.34099	11.95801	11.74431	11.65799	11.85184	12.15699	11.95953	11.56162
C6ORF128	C6ORF128	6.944409	7.168803	6.920134	7.222605	7.081627	7.285957	7.108478	7.331093	7.291199	7.289668	7.390957	7.279824
C6ORF129	C6ORF129	8.116633	8.777642	9.832128	9.676155	9.591539	9.911666	9.903382	9.890088	10.01371	10.08005	10.05188	9.458409
C6ORF130	C6ORF130	10.23877	10.71454	10.10121	9.903754	9.969313	10.88763	10.02824	9.999384	10.04279	9.867812	9.422402	9.413234
C6ORF134	C6ORF134	7.046645	7.302986	7.011394	7.435863	7.238954	7.310144	7.104355	7.205143	7.302776	7.223037	7.030268	6.993671
C6ORF136	C6ORF136	8.931904	8.999903	8.174725	8.356697	8.575812	9.542443	9.403289	9.484986	9.544503	9.78161	9.589279	9.40107
C6ORF139	C6ORF139	8.291468	8.773769	8.451563	8.3786	7.852286	7.904199	7.718967	7.639683	7.974236	7.882211	7.372025	7.649078
C6ORF141	C6ORF141	8.037097	8.483808	7.012632	7.752433	7.635689	7.132151	6.977673	7.009883	6.890822	7.013848	6.789891	6.855218

C6ORF142	C6ORF142	6.741539	7.012645	6.929507	6.97988	7.507972	10.43206	10.67866	11.24527	10.77318	11.46507	11.09607	10.76106
C6ORF143	C6ORF143	7.034756	7.103094	6.901533	7.54579	7.178046	7.184315	6.953302	7.034259	6.913007	7.071946	6.693855	6.89608
C6ORF145	C6ORF145	6.978442	7.085526	6.830138	7.175868	7.10852	7.258341	6.997284	7.082479	7.0847	7.164441	7.253913	7.117389
C6ORF146	C6ORF146	6.895423	7.052911	6.722428	6.897826	6.838565	6.866489	6.760419	6.781416	6.931898	6.833838	6.803365	6.826521
C6ORF148	C6ORF148	7.49854	7.547273	7.142861	7.243874	7.228072	7.476359	7.35228	7.438017	7.412012	7.524667	7.364861	7.546222
C6ORF149	C6ORF149	8.807747	8.896746	8.290517	8.474476	8.333666	8.5053	8.034117	8.026549	7.931265	8.067537	7.822655	7.706871
C6ORF15	C6ORF15	6.990329	7.08513	7.017198	6.874372	6.901771	6.953906	6.923729	7.063688	6.947791	7.036298	6.783532	6.899857
C6ORF150	C6ORF150	7.115465	7.360848	6.719115	6.831545	6.921832	6.966378	6.79207	6.771778	6.805223	6.873787	6.732026	6.800554
C6ORF151	C6ORF151	8.120004	8.312254	8.046498	8.399495	7.942147	8.243275	7.886014	7.848774	7.91213	7.974604	7.625833	8.128284
C6ORF152	C6ORF152	7.171639	7.535932	7.292555	7.425738	7.244814	7.375558	7.107211	7.099112	7.218428	7.351666	7.084077	7.270375
C6ORF153	C6ORF153	11.21056	12.01593	11.402	11.41861	10.79818	11.57924	11.14107	10.78994	11.10854	11.02004	10.48481	10.90992
C6ORF154	C6ORF154	7.078475	7.222144	6.943324	7.209695	7.149968	7.343049	7.241628	7.306318	7.280739	7.324799	7.206804	7.118404
C6ORF155	C6ORF155	6.820129	7.005384	6.766298	7.055399	7.404764	7.323191	7.096331	7.16439	7.239076	7.19232	6.886008	7.003595
C6ORF157	C6ORF157	7.823336	8.136936	7.47825	7.746431	7.600294	7.775347	7.526019	7.45501	7.459746	7.400943	7.212406	7.183845
C6ORF159	C6ORF159	7.026942	7.219555	7.625896	7.062898	6.9981	7.070683	7.010546	6.995989	6.96701	7.029802	6.838167	6.936957
C6ORF160	C6ORF160	11.87058	12.49439	11.35101	10.89269	11.35662	10.76098	10.89214	10.40473	11.11253	10.87531	11.00369	9.842385
C6ORF162	C6ORF162	7.757592	7.891111	7.642334	7.950545	7.678195	8.489745	7.905403	8.153755	8.199415	8.145727	7.770558	7.603254
C6ORF163	C6ORF163	7.059709	7.332489	6.847174	7.309331	7.062691	7.127079	6.910089	7.030685	7.005094	7.061928	7.014826	6.981942
C6ORF165	C6ORF165	6.871295	7.085503	6.829563	7.081292	7.003276	7.171037	6.965554	7.023626	6.996641	7.00264	6.874754	6.872897
C6ORF166	C6ORF166	10.42187	10.74467	9.908484	10.09829	9.970706	10.80902	9.982008	10.00572	9.981785	10.02918	10.19885	9.960418
C6ORF167	C6ORF167	7.294332	7.585699	7.123431	7.363936	7.196323	7.292453	7.126135	7.147529	7.003511	7.092421	6.93798	7.001347
C6ORF168	C6ORF168	8.34434	8.572646	7.689235	7.556998	7.190952	7.175852	6.987554	7.118874	7.169514	7.040993	7.048324	7.001425
C6ORF170	C6ORF170	7.629326	8.111528	7.877192	8.076687	8.093028	8.021374	8.017725	7.740244	7.908994	7.796135	7.671723	7.865663
C6ORF173	C6ORF173	10.49196	11.2976	10.73903	10.52398	10.45797	10.44332	9.780442	9.215485	9.745098	9.131128	8.889044	7.784271
C6ORF174	C6ORF174	7.181786	7.097925	6.906436	6.918228	6.863096	6.916237	6.866167	6.907939	6.799492	6.850577	6.74922	6.756928
C6ORF182	C6ORF182	7.071254	7.31595	6.938866	7.145928	7.175535	7.149428	7.045619	6.976573	7.135099	7.154499	6.871705	6.993172
C6ORF184	C6ORF184	6.896689	7.122901	6.788815	7.009611	6.937565	6.913475	6.876765	6.987903	6.887001	6.991189	6.814363	6.914557
C6ORF185	C6ORF185	6.865722	6.982312	6.772793	7.008494	6.816982	6.898184	6.853361	6.933101	6.942101	6.853721	6.877016	6.792519
C6ORF188	C6ORF188	6.801121	7.045396	7.140743	7.092538	7.169506	6.95991	7.024946	6.91166	7.063856	7.121464	7.06232	7.115087
C6ORF189	C6ORF189	9.039782	9.119444	7.296849	7.835473	7.257299	7.11173	6.909871	7.027686	7.126347	7.03493	6.866739	6.787047
C6ORF190	C6ORF190	7.032356	7.058248	6.8466	7.016422	7.026276	7.291885	7.119143	7.18158	7.086087	7.018285	6.924531	6.854904
C6ORF191	C6ORF191	6.819151	6.987239	6.825804	7.07141	6.962518	7.004907	6.822956	7.016616	6.860157	6.950926	6.774017	6.913476
C6ORF192	C6ORF192	10.62752	10.30145	9.514014	9.51849	9.372635	10.12809	9.335061	9.155912	9.33005	8.915843	8.510905	8.534121
C6ORF194	C6ORF194	6.803178	7.024342	6.76492	7.004042	6.903429	6.930426	6.808467	6.808254	6.832252	6.927572	6.791467	6.877496
C6ORF195	C6ORF195	6.92976	7.110737	6.787185	7.006327	7.073479	6.975057	6.897499	7.053294	7.048275	7.037054	6.904523	6.937616
C6ORF199	C6ORF199	6.937859	7.112167	6.897145	7.32143	7.080458	7.510057	7.303608	7.59806	7.490669	7.601548	7.386148	7.605331

C6ORF201	C6ORF201	6.833644	7.069053	6.800465	6.941068	6.941983	6.882819	6.871143	6.930751	6.790913	6.843485	6.706109	6.756326
C6ORF203	C6ORF203	7.316622	7.662346	7.185628	7.555042	7.46586	8.400865	8.226706	8.050627	8.245707	8.080058	7.852054	7.853834
C6ORF204	C6ORF204	7.11278	7.253796	7.27732	7.583122	7.326559	7.737478	7.166377	7.137197	7.419932	7.363141	7.132684	7.823119
C6ORF205	C6ORF205	7.163556	7.388679	7.104587	7.244354	7.360187	7.681989	7.373502	7.416151	7.413079	7.409394	7.251634	7.412118
C6ORF206	C6ORF206	6.823979	6.932571	6.79398	7.074948	7.069758	6.998111	6.943686	6.954757	6.928828	6.942271	6.785305	6.859989
C6ORF208	C6ORF208	6.977967	7.132277	6.95029	7.108838	7.020912	7.055469	6.839733	7.044084	7.019148	6.940334	6.822489	6.860428
C6ORF21	C6ORF21	6.842153	7.21264	6.835566	7.110823	7.023676	6.993928	6.913446	6.94867	6.995483	7.028373	6.809852	6.966763
C6ORF211	C6ORF211	8.678387	9.543304	8.815082	8.605454	8.176942	9.082949	8.484301	8.382399	8.538155	8.195057	8.125781	8.20274
C6ORF213	C6ORF213	6.903892	7.065676	6.943661	6.972352	6.83361	6.961754	6.860507	6.916687	6.76213	6.844738	6.782147	6.748181
C6ORF25	C6ORF25	6.943772	7.178918	6.845539	7.069808	6.99129	7.009822	6.928595	7.005782	6.949401	7.065161	6.869683	6.912437
C6ORF26	C6ORF26	7.428962	7.595886	7.121398	7.504091	7.457	7.436871	7.351995	7.22427	7.289169	7.096265	6.982856	6.936609
C6ORF27	C6ORF27	7.026848	7.258903	6.800958	6.972916	6.963928	7.039961	6.896188	6.929475	6.876036	7.04221	6.812962	7.008673
C6ORF32	C6ORF32	9.592394	8.766918	8.458411	8.92798	7.921616	7.744815	7.370106	7.632208	7.460951	7.585315	7.113555	6.889925
C6ORF35	C6ORF35	6.834228	7.082315	6.795158	7.236239	7.034185	7.259088	7.026369	7.056067	7.121306	7.1226	6.904408	7.145672
C6ORF47	C6ORF47	7.705104	8.491741	7.808251	8.153782	8.264884	8.740566	8.496186	8.136277	8.271351	8.322092	7.975521	8.554949
C6ORF48	C6ORF48	11.63765	11.83563	11.12132	11.37475	11.81415	11.84263	11.61326	11.68275	11.71207	11.65782	11.68875	11.05486
C6ORF49	C6ORF49	11.36129	12.21533	11.67561	11.7093	11.73981	11.82361	11.64526	11.38312	11.6271	11.68742	11.33444	10.91541
C6ORF51	C6ORF51	9.775372	10.68916	9.819184	9.730077	9.898117	10.41503	10.31569	10.07338	10.22985	10.03024	9.935146	9.700168
C6ORF52	C6ORF52	7.468286	8.12742	7.769552	8.031287	7.889169	8.885797	8.000604	7.822744	8.057927	7.807067	7.489785	7.82856
C6ORF54	C6ORF54	7.884851	7.676826	7.197936	7.249648	7.191266	6.940086	7.204794	6.888731	6.995553	7.03227	6.850183	6.989278
C6ORF55	C6ORF55	9.021858	9.022234	9.235331	9.458089	9.157149	9.729341	8.805294	9.123873	8.971814	8.994187	8.726842	8.729855
C6ORF57	C6ORF57	8.621267	8.705143	8.187703	8.097178	8.140767	8.691761	8.566119	8.374126	8.789789	8.802238	8.14084	8.340761
C6ORF59	C6ORF59	7.210757	7.795751	7.565851	7.919188	7.594228	7.390287	7.144154	7.27518	7.281457	7.195976	7.127349	7.01479
C6ORF60	C6ORF60	8.589763	8.363694	10.27504	8.896728	8.111574	7.948977	7.745563	7.687367	7.726107	7.604415	7.163189	7.2951
C6ORF61	C6ORF61	7.29729	7.592238	7.410759	7.643999	7.48448	7.641532	7.480604	7.349789	7.298915	7.374736	7.073573	7.341153
C6ORF62	C6ORF62	9.480694	9.889112	9.541904	9.722095	9.482124	9.517322	9.249343	9.160348	9.227247	9.05524	9.013488	8.981656
C6ORF64	C6ORF64	8.020741	8.151421	8.301917	8.439689	8.359029	8.271822	7.997011	7.953757	8.158793	8.030332	7.546753	7.851868
C6ORF65	C6ORF65	7.273102	7.726399	7.194299	7.566867	7.476176	7.050937	7.188864	7.390347	7.436271	7.392176	7.997415	7.911941
C6ORF66	C6ORF66	8.892785	9.479602	8.697356	8.466688	8.499751	9.947926	9.399206	9.312134	9.559876	9.535128	9.53954	9.069701
C6ORF69	C6ORF69	8.638584	8.738099	8.391908	9.203216	9.213211	9.310491	8.937297	9.174417	8.832414	9.024193	9.397323	9.125608
C6ORF70	C6ORF70	7.990104	8.233958	8.255697	8.252241	8.546485	8.676053	8.2644	8.433458	8.33979	8.20617	8.030438	8.193351
C6ORF71	C6ORF71	6.741563	6.992561	6.713967	6.904717	6.870357	6.839681	6.774369	6.854997	6.680761	6.78279	6.714072	6.752681
C6ORF72	C6ORF72	7.583111	7.847721	7.472891	7.695899	7.693558	8.51889	8.45597	8.402521	8.405635	8.695043	8.461926	8.84809
C6ORF75	C6ORF75	8.701914	8.678457	8.266316	8.470208	8.511213	9.145797	8.544732	8.615835	8.851439	8.44504	8.097314	8.324925
C6ORF78	C6ORF78	6.912694	7.013621	6.862888	7.087594	6.93755	7.006639	6.903462	6.961977	6.864404	6.912777	6.810158	6.838243
C6ORF79	C6ORF79	8.487837	8.961875	8.406069	8.508558	8.258512	8.920139	8.562947	8.740001	8.526403	8.775756	8.957908	8.3745

C6ORF81	C6ORF81	7.152009	7.282095	7.187931	7.702777	7.848166	8.415253	8.069724	7.813461	7.789695	7.874	7.422275	7.492094
C6ORF84	C6ORF84	7.408926	8.016685	7.785427	8.11331	7.950618	8.022697	7.775504	7.850156	7.845225	7.794683	7.400483	7.281122
C6ORF85	C6ORF85	8.724274	8.841229	7.770939	8.403273	8.278091	9.489997	8.906685	9.058772	8.557093	8.582628	8.169843	7.794899
C6ORF89	C6ORF89	7.042499	7.320877	7.126921	7.393876	7.538148	8.02395	7.702253	7.782688	7.61952	7.85605	8.053057	8.094993
C6ORF94	C6ORF94	6.848929	7.187818	6.760801	6.914867	6.866053	6.955129	6.842085	6.882934	6.922478	6.89439	6.7844	6.843654
C6ORF96	C6ORF96	7.845802	8.127808	7.470381	7.712396	7.724148	8.128226	7.477904	7.603598	7.576082	7.7291	7.52659	7.541103
C6ORF97	C6ORF97	6.8812	7.168168	6.934257	7.21035	6.99476	7.076371	6.892536	7.015152	6.917274	7.019824	6.926366	6.874237
C7	C7	6.829371	7.113639	7.109152	7.252147	7.527912	8.961157	10.78005	10.61819	10.15027	9.707446	9.390258	8.546415
C7ORF10	C7ORF10	7.547346	7.735493	7.364496	7.770578	7.894928	8.707504	7.96013	8.027682	8.072241	8.149884	8.223718	8.001189
C7ORF11	C7ORF11	8.581549	8.973796	8.452815	8.414394	8.64542	9.230695	8.636992	8.351614	8.656228	8.476295	8.446661	8.139957
C7ORF13	C7ORF13	7.34363	7.580968	7.012182	7.343343	7.376902	7.847265	7.645086	7.653125	7.458755	7.433067	7.192192	7.344943
C7ORF16	C7ORF16	7.069574	7.845051	8.178563	7.242136	7.039517	7.140652	6.954683	6.882829	7.008718	7.117879	6.807555	6.794006
C7ORF19	C7ORF19	7.066262	7.125481	7.019644	7.178202	7.047055	7.145938	7.007208	7.094594	7.090345	7.090277	6.968353	6.950704
C7ORF20	C7ORF20	8.046078	8.285472	7.728784	7.936053	7.675315	8.065613	7.491395	7.661604	7.517194	7.61939	7.632633	7.453864
C7ORF21	C7ORF21	8.897114	8.918726	8.598946	8.890531	8.950161	9.031683	8.756989	9.182458	8.619417	9.030238	9.322597	8.660147
C7ORF23	C7ORF23	9.634147	9.510235	10.03279	9.493418	9.494058	8.933518	8.476129	8.651076	8.696505	8.251392	9.072732	8.442316
C7ORF24	C7ORF24	10.62871	11.01541	9.500896	9.194149	9.150666	9.652732	9.364701	9.50817	9.23976	9.469251	9.488957	8.832091
C7ORF25	C7ORF25	8.017521	8.394905	8.161761	8.137808	8.179182	8.851469	8.449764	8.599939	8.624639	8.530147	8.484494	8.419318
C7ORF26	C7ORF26	8.894567	9.027573	8.772407	9.284426	9.091627	9.139842	8.860763	8.974848	8.90697	8.836458	8.943121	8.794986
C7ORF27	C7ORF27	9.802917	10.23229	9.528302	9.64255	9.482064	10.04606	9.647062	9.075487	9.655235	9.335747	8.79863	9.460722
C7ORF28A	C7ORF28A	8.807359	9.31082	8.529236	8.639442	8.525079	8.952877	8.755151	8.538094	8.743452	8.669493	8.580291	8.800704
C7ORF28B	C7ORF28B	10.15631	10.56333	9.775843	9.720801	9.707892	10.04911	9.908011	9.615152	9.974832	9.759306	9.610063	9.806347
C7ORF29	C7ORF29	7.085431	7.181263	6.946586	7.120315	7.165754	7.075026	6.993221	7.138683	7.028589	7.136903	7.001393	6.964573
C7ORF30	C7ORF30	11.47902	11.76867	11.2933	11.006	11.27869	11.7414	11.41659	11.49349	11.54283	11.65108	11.79319	11.22579
C7ORF31	C7ORF31	6.889101	7.064542	6.73147	7.179753	7.012738	7.159333	6.905292	6.976283	7.001485	6.936426	6.842402	6.969004
C7ORF33	C7ORF33	6.743798	7.007399	6.723094	6.962973	6.798503	6.828608	6.703499	6.886832	6.8467	6.950783	6.719484	6.719677
C7ORF34	C7ORF34	6.845414	7.015689	6.765399	7.028176	6.851695	6.812521	6.738406	6.850179	6.825499	6.839742	6.762113	6.678567
C7ORF36	C7ORF36	9.056127	9.645713	9.119884	9.005544	9.117127	9.569235	9.073816	8.971057	9.090864	9.041804	8.772422	8.391614
C7ORF44	C7ORF44	12.33073	12.52881	11.85162	11.77109	11.79922	12.75271	12.40455	12.35852	12.30544	12.35844	11.87419	11.64757
C7ORF9	C7ORF9	6.797298	7.137526	6.733807	6.886012	6.883061	6.909254	6.822763	6.966521	6.923822	6.914468	6.758051	6.805041
C8A	C8A	6.891597	7.022834	6.836419	6.977176	6.914349	7.052269	6.809724	6.878591	7.004813	6.998342	6.764137	6.739389
C8B	C8B	6.848533	6.958785	6.723457	7.059208	6.932036	6.897259	6.776631	6.899766	6.848586	6.883305	6.772865	6.765865
C8G	C8G	6.956596	7.180142	6.81777	7.172867	7.027209	7.072214	6.976844	7.010459	7.073762	6.966601	6.895742	6.952116
C8ORF1	C8ORF1	8.125569	8.896026	8.563771	8.395484	8.091042	8.920297	8.469841	8.695315	8.51009	8.640812	8.552879	8.541668
C8ORF13	C8ORF13	7.121863	7.429667	7.485758	7.988201	8.007634	7.67714	7.385779	7.173567	7.581413	7.117923	7.066756	7.400656
C8ORF15	C8ORF15	6.995596	7.219226	6.944414	7.180147	7.050768	7.098739	6.945453	6.995058	7.056025	6.985156	6.775913	6.88971

C8ORF16	C8ORF16	7.68986	8.275907	7.759548	7.995271	7.780915	8.032095	7.656644	7.521813	7.685573	7.428997	6.826431	7.132406
C8ORF17	C8ORF17	6.87945	7.063648	6.761415	7.04194	6.942443	6.948495	6.974003	6.945932	6.898698	6.932149	6.796544	6.842349
C8ORF22	C8ORF22	6.999781	7.026695	6.703139	6.967998	6.783185	6.851373	6.799917	6.972282	6.856035	6.876692	6.741898	6.756352
C8ORF30/	C8ORF30/	6.959986	7.075164	6.912412	7.101105	6.922808	7.00231	6.879586	6.905449	6.871354	6.942594	6.927205	6.899838
C8ORF31	C8ORF31	6.894145	7.094964	6.831321	7.145596	6.992031	7.062671	6.88807	6.97971	6.920826	6.882866	6.821631	6.89267
C8ORF32	C8ORF32	9.074761	8.637868	9.093885	9.526491	9.413295	9.437388	9.169148	9.195218	9.175689	9.446251	9.374893	9.002682
C8ORF33	C8ORF33	9.827189	9.921526	9.561398	9.938685	9.63215	10.15012	9.722599	9.811576	9.626698	9.840192	9.769761	10.07118
C8ORF34	C8ORF34	7.371096	7.429273	7.198302	7.43895	7.300104	7.334048	7.272823	7.419922	7.245131	7.457091	7.421918	7.268156
C8ORF35	C8ORF35	10.11355	10.09152	9.755325	10.08216	9.676474	10.06047	9.698671	9.723637	9.768038	9.680256	9.435166	9.360956
C8ORF36	C8ORF36	8.858249	9.109747	8.974251	9.368665	9.32731	10.06586	9.851153	9.906839	9.980052	10.00031	9.685948	9.790322
C8ORF37	C8ORF37	11.18347	12.17198	11.44109	11.95398	11.8609	11.77132	12.02197	11.33371	11.78888	11.50631	10.82779	11.57381
C8ORF38	C8ORF38	8.422517	8.740511	8.068739	8.120818	8.119502	9.022206	8.5605	8.526669	8.576936	8.740447	8.705397	8.174319
C8ORF4	C8ORF4	6.823084	7.10294	7.163793	7.725272	8.206448	7.312386	6.781465	6.967032	6.967286	7.001487	7.106388	7.144215
C8ORF40	C8ORF40	10.32035	10.50076	10.29367	10.08829	10.37634	11.59983	11.13135	11.03751	11.03421	10.88323	10.34832	10.16897
C8ORF41	C8ORF41	8.8273	9.336939	8.5346	8.827906	8.545965	9.322433	8.890009	8.895166	8.830571	8.809552	8.527507	8.85123
C8ORF42	C8ORF42	7.833025	8.109912	7.338946	7.600838	7.729737	7.657044	7.296364	7.319223	7.166023	7.064618	7.016154	7.059132
C8ORF44	C8ORF44	7.050679	7.264951	7.041715	7.440742	7.495781	7.624187	7.455636	7.467105	7.322119	7.275435	6.971129	7.181008
C8ORF45	C8ORF45	9.538319	10.61116	9.975362	10.43127	10.54458	10.10239	10.44193	9.722787	10.10829	9.974327	9.26826	10.09706
C8ORF46	C8ORF46	7.066859	7.052838	6.845407	7.053384	6.996093	7.009263	7.084906	6.976758	6.952106	6.951758	6.921247	6.89325
C8ORF47	C8ORF47	7.089057	7.420531	6.822642	6.994799	6.941004	7.343827	7.292442	7.389435	7.197856	7.46719	7.271303	7.343374
C8ORF48	C8ORF48	7.149984	7.795887	7.791094	7.821009	7.511773	7.604739	7.597383	7.583625	7.808681	7.622416	7.296408	7.197683
C8ORF49	C8ORF49	6.837314	6.993825	6.985589	7.488643	7.399822	7.893607	7.506956	7.773914	7.598596	7.629553	7.424333	7.435759
C8ORF51	C8ORF51	7.462308	7.630503	7.205516	7.355294	7.404525	7.326524	7.289664	7.293789	7.346413	7.330961	7.13324	7.243078
C8ORF52	C8ORF52	8.936215	9.509948	9.285151	9.151929	8.651668	8.522701	8.547892	8.263968	8.668203	8.593288	8.098402	8.586513
C8ORF53	C8ORF53	7.882591	8.301851	7.745916	7.846104	7.837321	8.244565	7.71856	7.600674	7.776417	7.809768	7.409987	7.562836
C8ORF54	C8ORF54	6.88461	7.063091	6.772376	7.052573	6.9343	7.07263	6.958658	6.926932	6.84975	6.983388	6.922077	6.920167
C8ORF55	C8ORF55	9.571094	9.372686	8.819142	9.468701	9.825539	10.17404	9.948557	9.649205	9.77018	9.657627	8.653725	9.854122
C8ORF58	C8ORF58	7.61859	7.581945	7.855539	7.940621	7.85759	7.515311	7.21128	7.421944	7.410309	7.220692	7.323158	7.306316
C8ORF59	C8ORF59	10.95346	11.69954	11.28848	11.22596	11.39501	11.39451	11.28118	10.77453	11.55561	11.42871	11.13975	10.61944
C8ORF61	C8ORF61	7.903665	7.919286	7.68871	7.785992	7.706802	7.694113	7.405814	7.402082	7.478495	7.256946	7.378552	7.292587
C8ORF70	C8ORF70	8.521457	8.756266	8.746434	9.743577	9.597796	9.761236	8.911903	8.954876	9.132631	8.724505	8.481513	8.678963
C8ORF71	C8ORF71	6.840456	7.039649	6.709449	6.99125	6.92681	6.878664	6.908118	6.89938	6.854273	6.830519	6.766622	6.832812
C8ORF72	C8ORF72	7.199894	7.508096	7.46979	8.760911	8.917345	8.167815	8.008288	7.858434	8.269843	7.85928	7.404706	7.817203
C8ORF74	C8ORF74	6.820267	6.960736	6.686792	6.964001	6.904972	6.883502	6.822334	6.831574	6.913119	6.826816	6.740187	6.799231
C8ORF76	C8ORF76	10.19631	10.41753	10.37535	10.46872	10.31931	10.82145	10.58282	10.47263	10.40086	10.39106	10.47215	10.25832
C8ORF77	C8ORF77	7.02338	7.250975	6.850541	7.111654	7.201281	7.333028	7.057766	7.18163	7.035222	7.170774	6.880694	6.920169

C8ORF78	C8ORF78	6.721504	7.214785	6.805475	7.001541	6.933046	6.96056	6.902743	6.937723	6.911586	6.912707	6.854354	6.923825
C8ORFK29	C8ORFK29	6.947505	7.043223	6.809009	7.031076	6.905287	6.919948	6.878833	6.900241	7.052015	6.942247	6.915834	6.765596
C8ORFK32	C8ORFK32	6.975618	7.286499	6.929088	7.162192	7.131764	7.084695	7.056339	7.078323	6.965631	7.093991	6.954501	6.999116
C8ORFK36	C8ORFK36	6.88545	6.972033	6.786176	6.986712	6.899114	6.91327	6.837772	7.057519	6.890455	6.951231	6.790418	6.851362
C9	C9	6.780944	6.949534	6.77997	6.866031	6.857633	6.892972	6.754602	6.768202	6.795582	6.858397	6.711416	6.860933
C9ORF100	C9ORF100	7.519385	7.698842	7.458651	7.636428	7.271863	7.205487	7.094627	7.134534	7.085122	7.072137	6.84599	6.885032
C9ORF102	C9ORF102	8.316244	8.580911	8.77245	9.13062	8.602662	8.596267	8.039863	8.111692	8.024494	8.082763	7.759121	7.893216
C9ORF103	C9ORF103	7.021188	7.275093	7.003601	7.410785	7.768856	8.214186	7.826555	7.787246	7.691725	7.710599	7.551604	7.276042
C9ORF106	C9ORF106	6.962913	7.170744	6.812882	6.889686	6.920792	7.233347	6.998201	7.112811	6.929313	6.896635	6.792456	6.969638
C9ORF109	C9ORF109	6.844204	7.077084	6.893129	7.120356	6.975105	6.982944	6.880705	6.995839	6.894998	7.037305	6.991762	6.789891
C9ORF100	C9ORF100	8.341947	9.101015	8.355449	8.465749	8.633245	9.05943	8.981539	9.093928	8.807581	9.120181	8.795132	8.790198
C9ORF11	C9ORF11	6.745392	7.056103	6.848387	7.007396	6.852923	6.929213	6.766866	6.825027	6.821516	6.899655	6.742891	6.791303
C9ORF110	C9ORF110	6.938284	7.231396	6.959959	7.141273	7.025121	7.02117	6.982558	6.899147	6.998398	6.872994	7.010445	7.031267
C9ORF111	C9ORF111	7.373479	7.344475	7.457723	8.100106	8.266169	8.239892	7.959415	7.854954	7.906975	7.748914	7.340182	7.330329
C9ORF112	C9ORF112	7.402281	7.601921	7.282889	7.609338	7.394665	7.635228	7.270053	7.372901	7.222476	7.359154	7.058097	7.058937
C9ORF114	C9ORF114	9.735858	10.08524	9.634478	9.244495	9.006138	9.431462	8.8892	8.587052	8.719754	8.493563	8.248724	8.57546
C9ORF116	C9ORF116	8.474012	8.692266	8.329657	8.392239	8.399193	8.503418	7.951139	7.813553	7.765658	7.674312	7.593349	7.216508
C9ORF117	C9ORF117	6.919679	7.027967	6.831619	7.071117	6.961369	7.112887	6.953383	6.990497	6.89406	6.925062	6.77703	6.955431
C9ORF119	C9ORF119	9.467484	9.972276	9.385565	9.591532	9.523196	10.2559	9.868911	9.801782	9.784217	9.886874	10.04958	10.01386
C9ORF121	C9ORF121	6.799819	7.021955	6.836835	7.04458	6.966075	6.945831	6.833643	6.906311	6.905456	6.938966	6.740939	6.823506
C9ORF122	C9ORF122	6.96109	7.136695	6.775728	7.025797	6.94592	6.886079	6.901152	6.928637	6.840137	6.954635	6.851168	6.763299
C9ORF123	C9ORF123	8.395715	8.617083	8.389465	8.84951	9.669443	10.6405	10.13535	10.43481	10.17669	10.20017	9.789685	9.400431
C9ORF125	C9ORF125	7.982562	8.21386	7.72109	7.576978	7.325375	7.750572	7.694922	7.980213	7.806413	7.991882	8.085282	8.170162
C9ORF126	C9ORF126	7.47621	7.573678	7.186529	7.206999	7.074238	7.169618	7.190101	7.233513	7.059555	7.057932	6.903181	7.046869
C9ORF127	C9ORF127	7.438286	7.55254	7.05771	7.739052	8.093351	7.888445	7.870534	8.000434	8.037486	7.92131	8.050944	8.09073
C9ORF128	C9ORF128	7.007747	7.035715	6.821829	6.966007	6.992956	6.96485	6.874591	6.923816	6.882066	6.990802	6.704074	6.75825
C9ORF130	C9ORF130	8.354412	9.26116	8.712841	9.042315	9.073045	8.890848	8.962996	8.304099	8.72265	8.469897	8.029665	8.62387
C9ORF132	C9ORF132	7.633812	7.891397	7.279655	7.77389	7.614527	7.667986	7.730512	7.896787	7.801565	7.894713	7.776357	7.653208
C9ORF138	C9ORF138	6.783958	6.962258	6.765215	6.983539	6.887759	6.941206	6.79431	6.930926	6.869661	6.90274	6.725633	6.880337
C9ORF14	C9ORF14	6.868593	6.985751	6.73625	7.015067	6.965088	7.002482	6.892286	7.063057	6.913716	7.045596	6.743786	6.884659
C9ORF140	C9ORF140	8.94146	8.472887	8.048659	8.294724	8.305752	7.769429	7.614654	7.661783	7.569892	7.52252	7.120061	6.97152
C9ORF142	C9ORF142	10.18702	10.51695	9.770637	10.21876	10.36028	10.52403	10.25282	10.25234	10.24132	10.36035	10.33825	9.732111
C9ORF150	C9ORF150	6.824729	7.019664	6.780438	7.49311	7.923697	7.331982	7.063248	7.099985	7.070604	6.933526	6.985715	6.913365
C9ORF152	C9ORF152	6.91465	7.120147	6.822924	7.059593	6.975851	7.44651	7.035444	6.994535	6.981548	7.076391	6.818683	6.820464
C9ORF153	C9ORF153	6.841196	6.957919	6.821552	7.005416	6.948866	6.920303	6.863206	6.94916	6.819999	6.866015	6.8045	6.800308
C9ORF156	C9ORF156	7.795239	8.334768	8.449368	8.345788	8.393223	8.862197	8.325593	8.446258	8.454714	8.339062	8.329	8.196748

C9ORF157	C9ORF157	6.775933	7.106348	6.770103	7.058951	6.948341	6.904321	6.771328	6.845561	6.768687	6.960125	6.689345	6.804178
C9ORF16	C9ORF16	7.530862	7.845608	7.354566	7.539276	7.56039	7.992564	7.822892	7.70415	7.771462	7.783825	7.938792	7.724421
C9ORF166	C9ORF166	6.966269	6.985627	6.799195	7.047049	6.932443	7.101737	6.950445	7.012828	6.927955	7.0456	6.819051	6.911153
C9ORF18	C9ORF18	6.789728	6.918913	6.776126	6.884626	6.82337	6.777162	6.80444	6.796969	6.863926	6.8359	6.646492	6.742343
C9ORF19	C9ORF19	9.628361	10.90585	12.00492	12.22339	11.25902	11.19621	11.17263	11.14405	11.28581	10.71515	10.82915	10.21366
C9ORF21	C9ORF21	7.384359	7.784176	7.520443	7.827155	7.597476	8.383104	7.758982	7.863835	7.681657	8.046783	7.907945	7.563051
C9ORF23	C9ORF23	8.155041	8.449086	7.898879	8.127317	8.468646	9.668657	9.112151	9.163924	8.99692	9.331471	9.043899	8.918503
C9ORF24	C9ORF24	7.142903	7.100615	6.931659	7.002678	6.962846	7.498332	7.422744	7.413827	7.439489	7.726127	7.407603	7.332418
C9ORF25	C9ORF25	7.191847	7.449535	7.233855	7.359648	7.23328	7.31076	7.373075	7.323702	7.325548	7.335622	7.498066	7.572344
C9ORF27	C9ORF27	6.751227	6.945293	6.779297	6.976667	6.805878	6.858301	6.704265	6.829225	6.758795	6.893231	6.599272	6.715798
C9ORF28	C9ORF28	7.376459	7.459472	8.084807	8.874107	8.560201	8.366718	7.905938	8.237355	8.089657	7.932513	7.786406	7.748385
C9ORF29	C9ORF29	6.902046	7.091437	6.889964	7.082602	6.933916	7.015826	6.925393	7.064959	7.039204	6.904679	6.848094	6.855071
C9ORF3	C9ORF3	7.112845	7.325201	7.516578	8.002303	8.088029	8.716008	8.755856	8.728847	9.033141	9.384587	8.960457	9.008373
C9ORF30	C9ORF30	8.948199	9.392967	8.661327	8.733188	8.717047	9.291877	8.905653	8.837867	8.968857	8.96638	9.541486	9.3586
C9ORF31	C9ORF31	6.813057	7.096829	6.823212	7.175608	6.89268	6.963266	6.888729	7.083307	6.908533	6.967404	6.768759	6.893316
C9ORF32	C9ORF32	8.193349	8.506947	8.067129	8.01956	7.981574	8.87872	8.207229	8.176587	8.225233	8.372326	8.511803	8.350145
C9ORF36	C9ORF36	6.846019	7.019693	6.814896	6.942971	6.877032	6.915391	6.869891	6.908372	6.894537	7.011611	6.734592	6.883361
C9ORF37	C9ORF37	8.002847	8.12295	7.605857	8.037737	7.864312	8.385307	8.045094	7.841766	8.08701	7.911371	7.376994	7.91162
C9ORF38	C9ORF38	7.176878	7.454607	7.190762	7.248717	7.222506	7.301713	7.167283	7.031192	7.092276	7.155729	6.893936	6.974802
C9ORF39	C9ORF39	7.716821	8.067509	7.571109	7.85166	7.6648	7.618727	7.655495	7.564232	7.58614	7.638354	7.265532	7.40009
C9ORF4	C9ORF4	7.013318	7.269034	6.784571	7.047322	6.875429	6.964168	6.817827	6.914077	7.064986	6.922976	6.883724	6.9595
C9ORF40	C9ORF40	8.563829	8.707517	8.708179	8.489879	8.336623	9.108103	8.527374	8.404823	8.508771	8.100104	7.911402	7.693601
C9ORF41	C9ORF41	7.085622	7.32632	6.904674	7.090224	7.017311	7.33507	7.000939	7.075234	6.957063	7.084925	6.963461	6.955021
C9ORF42	C9ORF42	7.1628	7.602599	7.520932	8.040073	7.950075	7.535578	7.27727	7.530514	7.412202	7.316645	7.491986	7.458617
C9ORF43	C9ORF43	6.917261	7.308857	6.908377	7.186414	7.08326	7.267438	7.026466	6.987918	7.094847	6.973044	6.864651	7.028389
C9ORF45	C9ORF45	10.43912	10.20716	9.472707	9.543989	9.450709	8.928822	8.6693	8.445778	8.915445	8.43402	7.574121	8.2335
C9ORF46	C9ORF46	9.692661	9.814397	9.749591	9.289138	9.588621	10.76036	10.19292	10.32701	10.49419	10.66042	10.90261	10.16753
C9ORF47	C9ORF47	6.874437	7.028036	6.847765	7.069331	6.981011	6.997865	7.008633	6.948678	6.981175	6.936674	6.901196	6.911319
C9ORF48	C9ORF48	7.285057	7.857891	7.425314	7.691006	7.300479	7.300389	7.274597	7.207902	7.259631	7.17371	6.815999	6.90796
C9ORF5	C9ORF5	9.689584	9.847426	9.439196	10.21262	10.48996	11.14307	11.07305	10.93734	10.59241	10.71504	10.19725	10.66703
C9ORF50	C9ORF50	6.892764	7.109877	6.753308	6.974131	7.03173	7.205601	7.22825	7.084535	7.09749	7.082647	6.930989	7.030409
C9ORF52	C9ORF52	7.198402	7.675966	7.864008	7.313309	6.981328	7.057642	6.875975	6.948207	6.876244	7.004579	6.891671	6.971325
C9ORF53	C9ORF53	6.762236	7.095409	6.789805	7.08612	6.961743	7.032402	6.876582	6.976532	6.941831	7.024407	6.743872	6.884037
C9ORF57	C9ORF57	6.976741	7.267232	6.829725	7.208747	7.060167	7.075363	6.808215	7.197346	6.951211	6.973517	6.822954	6.970549
C9ORF58	C9ORF58	9.869433	9.836529	9.16882	8.815042	8.064247	8.26193	7.364076	7.255232	7.255494	7.337135	7.025928	6.882972
C9ORF6	C9ORF6	8.208295	8.605005	8.478936	8.8687	8.63287	9.057103	8.675072	8.872524	8.728694	8.764891	8.663976	8.541888

C9ORF61	C9ORF61	8.719139	8.105848	7.747914	8.083953	10.0284	12.89035	11.41656	10.99645	10.25115	10.3361	9.538269	9.63724
C9ORF62	C9ORF62	7.055204	7.19121	6.901924	7.201062	7.112752	7.216293	6.997274	7.05837	6.99715	7.025104	7.021923	6.973719
C9ORF64	C9ORF64	6.878139	7.147389	6.877016	7.105301	6.926152	7.003646	6.967133	6.994704	6.984587	6.968074	6.760919	6.901991
C9ORF66	C9ORF66	7.2045	7.693674	7.366033	7.419722	7.305554	7.733706	7.441721	7.15447	7.327696	7.411031	7.256556	7.35565
C9ORF68	C9ORF68	6.829459	7.014021	6.789825	6.965768	6.856622	6.943701	6.788727	6.917439	6.900095	6.927019	6.752706	6.809944
C9ORF7	C9ORF7	8.027504	8.39899	7.977592	8.323365	8.588394	9.364574	8.836353	8.854289	8.690685	8.745798	8.516511	8.480033
C9ORF71	C9ORF71	6.786666	6.902118	6.829678	7.10174	6.92624	6.941853	6.81164	7.069036	6.802032	6.92182	6.680721	6.885601
C9ORF72	C9ORF72	7.572483	7.739249	7.458536	7.692753	7.47877	7.547621	7.305296	7.448298	7.503935	7.50293	7.235153	7.317162
C9ORF74	C9ORF74	10.49916	10.91263	10.6179	10.54828	10.43228	10.60903	10.35283	10.59641	10.48514	10.81122	11.03635	10.46158
C9ORF75	C9ORF75	7.298234	7.446859	7.112382	7.388333	7.509329	7.568352	7.2484	7.272499	7.179597	7.256593	7.107068	7.206237
C9ORF77	C9ORF77	8.563228	8.917591	8.070569	8.344477	7.978775	8.112081	7.821316	7.727859	7.692244	7.812747	7.559106	7.714522
C9ORF78	C9ORF78	10.94152	11.12524	10.63887	10.60262	10.66929	11.08677	10.71837	10.52518	10.84053	10.61048	10.63064	10.6485
C9ORF79	C9ORF79	6.816815	7.169657	6.773912	7.066986	7.087036	7.100042	6.945025	6.87248	6.96876	6.973327	6.820325	6.970305
C9ORF80	C9ORF80	11.68883	12.57245	11.94281	12.48556	12.41394	12.30161	12.43378	11.82005	12.21112	11.92197	11.27061	11.94592
C9ORF82	C9ORF82	8.488523	8.56966	8.245927	8.522244	8.346229	8.576919	8.146478	8.168322	8.31718	8.133178	7.898244	7.909594
C9ORF84	C9ORF84	6.842391	7.083312	6.828845	6.985494	6.898129	6.919429	6.838667	6.949233	6.814584	6.912263	6.776734	6.76589
C9ORF85	C9ORF85	7.225582	7.483515	6.951916	7.172083	7.122377	7.253102	7.129619	6.976656	7.028389	7.092533	7.138167	7.067683
C9ORF86	C9ORF86	8.818237	9.041225	8.495759	9.348173	9.18669	8.990327	8.611127	8.65049	8.464374	8.733982	8.39859	8.286697
C9ORF88	C9ORF88	11.00562	11.15927	10.70937	10.85082	11.00489	11.1021	11.15854	10.89183	11.29313	10.94967	11.36562	11.6647
C9ORF89	C9ORF89	8.11595	8.179213	7.82483	8.066049	8.219038	8.784614	8.536257	8.6378	8.722803	8.844836	9.068694	8.552766
C9ORF9	C9ORF9	7.006503	7.15816	7.170579	7.416177	7.526951	7.839474	7.419086	7.528926	7.640368	7.670302	7.455479	7.391375
C9ORF90	C9ORF90	8.344275	8.683138	7.987094	8.115525	8.410725	8.602759	8.243224	8.327426	8.225753	8.192197	8.133976	8.105253
C9ORF91	C9ORF91	7.987286	7.819568	7.578303	7.309899	7.397352	7.630974	7.31174	7.433775	7.362565	7.350439	7.401763	7.418947
C9ORF93	C9ORF93	7.565642	7.672628	7.700248	7.528708	7.450311	7.389822	7.309785	7.21924	7.268693	7.043319	7.028425	7.011381
C9ORF94	C9ORF94	6.979125	7.124637	6.880318	7.139405	7.075028	7.195981	7.041151	7.140539	7.275292	7.250065	7.042166	7.321473
C9ORF95	C9ORF95	7.684626	8.042556	7.89402	7.555404	7.644141	7.23051	7.334707	7.233588	7.352484	7.189659	7.10111	7.012025
C9ORF96	C9ORF96	6.867949	6.910922	6.801133	7.054668	6.849687	6.893999	6.852039	6.893782	6.919511	6.864717	6.815842	6.779943
C9ORF97	C9ORF97	7.476766	7.810045	7.473825	7.740111	7.663215	7.70106	7.453091	7.625901	7.51519	7.394131	7.331954	7.457299
C9ORF98	C9ORF98	6.979581	7.074952	6.989478	7.058919	6.980558	7.15364	7.018338	7.025883	6.920464	7.030028	6.827143	6.954201
CA1	CA1	6.805654	7.03429	6.828447	6.921644	6.893045	6.861935	6.853204	6.975069	6.770223	6.873985	6.779791	6.937069
CA10	CA10	7.037613	7.268281	6.851674	7.010618	7.022039	6.93788	6.791964	6.929028	7.325487	6.85314	6.83148	6.855475
CA11	CA11	9.320178	10.82536	9.718488	8.020162	8.633988	8.805603	8.463176	8.516923	8.562176	8.443227	8.248712	8.192724
CA12	CA12	7.837771	7.818946	7.342254	7.858463	8.628165	7.167712	7.172956	7.187525	7.182417	7.196182	7.873032	8.195181
CA13	CA13	7.013769	7.343042	7.023027	7.195473	7.090043	7.542256	7.377634	7.230872	7.40686	7.557751	7.438396	7.436038
CA14	CA14	9.191004	9.522709	8.860143	8.748164	8.1941	8.702381	8.068388	8.06251	7.919282	7.684661	7.152325	7.614238
CA2	CA2	8.370001	9.14556	11.25797	9.420394	8.304779	8.436254	7.359867	7.466193	7.495557	7.483359	7.586741	7.494197

CA3	CA3	6.795301	7.07849	6.87508	7.143604	7.041838	6.984715	6.85769	6.891357	6.93497	6.998653	6.770364	6.806936
CA4	CA4	8.329711	8.820111	7.653391	8.763641	8.003651	7.329214	7.036887	7.157676	7.041695	7.08379	6.868406	6.996281
CA5A	CA5A	6.786417	6.856502	6.590492	6.810819	6.761532	6.968256	6.756032	6.827405	6.86477	6.823064	6.630568	6.867777
CA5B	CA5B	7.54566	7.532323	7.329203	7.528933	7.605968	7.429459	7.323945	7.230856	7.391878	7.167503	7.347469	7.284515
CA6	CA6	6.977465	7.107833	7.006244	7.086323	7.024115	7.109201	6.971198	7.055676	7.102247	6.955083	6.904965	6.965779
CA7	CA7	6.886918	6.970394	6.762329	7.014788	6.916463	6.995903	6.818421	6.933739	6.842627	6.835785	6.761456	6.797928
CA8	CA8	7.689478	7.248408	7.264184	7.514354	7.645634	7.956501	7.316246	6.980716	7.082695	6.989785	6.810108	6.72687
CA9	CA9	7.14655	7.20647	6.974237	7.092593	7.081025	7.10032	7.049497	7.131943	7.227928	7.234258	7.093196	7.144592
CAB39	CAB39	10.62008	11.01916	10.6241	11.0378	10.67901	11.7396	10.98992	11.1733	11.08643	11.19963	11.05856	11.07478
CAB39L	CAB39L	7.160887	7.383257	7.263726	8.591347	8.207641	8.4708	7.680705	7.69339	7.725566	7.689551	7.546467	7.69507
CABC1	CABC1	9.467799	9.322694	8.658031	8.386355	8.634837	10.05511	9.410887	9.678549	9.591759	10.2044	9.923854	10.41903
CABIN1	CABIN1	7.951071	7.971953	7.729427	7.874239	8.016577	8.55481	8.199998	8.379937	7.961438	8.206498	7.86991	8.112595
CABLES1	CABLES1	8.482854	9.151991	7.844623	7.881315	7.574815	7.739578	7.681203	7.589643	7.611586	7.62601	7.412227	7.56648
CABLES2	CABLES2	7.498287	7.445819	7.337966	8.038492	8.15565	7.95499	7.643919	7.926699	7.826533	7.866933	7.613221	7.689737
CABP1	CABP1	6.886032	7.09872	6.816547	7.019231	6.95519	6.893044	6.867068	6.941074	6.891872	6.929504	6.809682	6.83723
CABP2	CABP2	6.903072	7.029106	6.815662	7.042655	6.968712	6.967156	6.900434	6.945211	6.924577	6.937953	6.754565	6.852651
CABP4	CABP4	6.955169	7.050918	6.739462	6.944712	6.921996	6.873427	6.836434	6.938647	6.78818	6.849069	6.78678	6.776652
CABP5	CABP5	6.979759	7.084101	6.888637	6.981363	6.903142	7.008199	6.867857	6.891223	6.925772	6.960747	6.785716	6.915717
CABP7	CABP7	6.913622	7.678376	7.215217	7.153467	7.26131	7.150726	7.004455	7.024868	7.26307	7.040594	6.84887	6.947047
CABYR	CABYR	7.918513	7.747536	7.194175	7.254226	6.863245	7.109477	7.037078	7.116795	7.007399	7.088535	6.917179	6.921343
CACHD1	CACHD1	9.321896	10.71656	10.63985	9.184266	8.698207	8.743392	8.804226	8.932529	8.651136	8.605936	8.596915	8.379161
CACNA1A	CACNA1A	6.93013	7.073642	6.847606	6.962076	6.891717	6.859762	6.850516	6.904999	6.838207	6.865716	6.731469	6.7956
CACNA1B	CACNA1B	7.636314	7.956351	7.46647	7.631793	7.530688	8.031379	7.812481	7.808936	7.834699	8.009725	7.897457	7.719965
CACNA1C	CACNA1C	6.982602	7.073632	6.796245	8.153907	8.644721	10.3444	9.861447	9.956793	9.63067	9.756373	9.123744	9.336864
CACNA1D	CACNA1D	6.884692	7.064335	6.887308	7.073501	6.988592	7.212483	6.97721	6.945999	7.078909	7.048991	6.991803	6.913963
CACNA1E	CACNA1E	7.381331	7.321108	6.909028	7.223451	6.921674	7.06371	6.996762	7.042648	7.524944	7.020144	6.840028	6.785288
CACNA1F	CACNA1F	6.95555	7.144538	6.863605	7.033142	6.967745	7.087783	6.830632	6.907654	6.893753	6.986021	6.727884	6.800561
CACNA1G	CACNA1G	6.898239	7.156118	6.929047	7.166572	7.44476	8.045134	8.021296	7.861561	7.733787	7.663818	7.001023	7.174108
CACNA1H	CACNA1H	9.352097	9.458399	8.711936	8.94742	9.13301	8.063894	7.626083	7.384139	8.06158	7.359591	7.258966	7.002857
CACNA1I	CACNA1I	7.502072	7.21496	6.87925	7.113784	7.043153	7.046173	6.921794	6.934051	7.087702	6.990825	6.787109	6.860159
CACNA1S	CACNA1S	6.895108	7.06734	6.87104	7.196594	6.968849	6.907798	6.803366	7.062098	6.995687	7.001531	6.881611	6.943237
CACNA2D	CACNA2D	6.829487	7.185459	6.969871	7.089532	7.031912	7.168511	6.910645	7.046698	7.025365	7.018314	6.905397	7.134793
CACNA2D	CACNA2D	7.906695	7.969423	7.594197	7.754958	7.657853	8.179091	7.802227	7.6033	7.809956	7.768456	7.301762	7.813342
CACNA2D	CACNA2D	7.224146	7.513896	7.109573	7.039148	6.895632	7.016041	6.934902	7.020207	6.93915	6.962636	6.930263	6.965428
CACNA2D	CACNA2D	6.875696	7.02811	6.815187	7.055739	6.918076	6.966091	6.827016	7.051232	6.896871	6.965592	6.809075	6.894446
CACNB1	CACNB1	6.849368	7.055385	6.844431	7.086873	7.005297	7.214169	7.207364	7.235204	7.226155	7.421255	7.109788	7.122085

CACNB2	CACNB2	6.886896	7.219118	6.844156	7.096999	7.435925	8.937841	8.58391	8.59137	8.336498	8.518483	7.844898	8.354232
CACNB3	CACNB3	8.973619	9.061029	9.16187	9.70318	9.670066	9.349745	9.442065	9.360888	9.884822	9.39302	9.414068	8.943504
CACNB4	CACNB4	6.93658	7.180415	6.807646	6.958635	6.962973	7.002	6.963158	6.927537	6.901533	6.874428	6.757819	6.849822
CACNG1	CACNG1	6.784861	7.06037	6.967648	7.005415	7.056986	6.997944	6.81185	6.908542	7.433186	7.089785	6.90348	6.934392
CACNG2	CACNG2	6.814442	7.035236	6.69863	6.996369	6.911675	6.911622	6.82464	6.822723	6.891005	6.848577	6.759737	6.727196
CACNG3	CACNG3	6.967581	7.097787	6.921951	7.097472	7.006741	6.985653	6.819051	6.952307	6.954702	6.965707	6.786796	6.892072
CACNG4	CACNG4	6.97005	7.122869	6.844661	7.040352	6.990848	7.095728	6.782907	6.958634	6.856331	6.921445	6.791237	6.900468
CACNG5	CACNG5	6.94206	7.086467	6.857935	7.090892	7.002353	7.003686	6.870235	6.954445	6.847921	6.988111	6.792255	6.842893
CACNG6	CACNG6	7.151348	7.244462	6.895089	7.277509	7.331965	7.894048	7.608461	7.277416	7.173489	7.14025	6.897545	7.067577
CACNG7	CACNG7	7.409985	7.379604	6.908662	7.05261	6.860157	6.917738	6.90963	6.998897	7.000125	6.841016	6.857849	6.793934
CACNG8	CACNG8	6.954247	7.08756	6.871621	7.115648	7.004433	6.963668	7.008788	6.980673	6.949601	6.964599	6.876518	6.964715
CACYBP	CACYBP	9.547769	9.885282	9.313383	9.009951	8.677121	9.265462	8.736313	8.779569	8.70356	8.694855	8.858486	8.585871
CAD	CAD	9.529801	9.663572	8.488732	8.486331	8.277102	7.948978	7.884689	7.785598	7.735847	7.683814	7.639265	7.551518
CADPS	CADPS	6.969038	7.456626	6.953783	7.604938	7.538024	8.702033	7.993017	7.91567	7.702516	7.654821	7.243957	7.285761
CADPS2	CADPS2	7.968101	9.253536	7.703922	7.673946	7.735811	9.048776	8.48334	8.202358	8.140174	8.360789	7.605283	8.42281
CAGE1	CAGE1	6.905836	7.076293	6.873687	6.985674	6.955708	7.015898	6.913023	6.953174	6.910952	6.988608	6.746055	6.858577
CALB1	CALB1	7.087102	7.114851	7.07051	7.079149	6.992247	7.037733	6.764636	6.931702	6.906432	6.895435	6.792921	6.901297
CALB2	CALB2	7.314824	7.417953	7.056237	8.144471	8.57571	8.422635	7.800652	8.21448	8.365882	7.768089	8.000459	6.999415
CALCA	CALCA	6.984793	7.89889	7.004504	7.10338	6.996636	6.968961	6.87204	6.987334	6.936554	6.982145	6.795316	6.872789
CALCB	CALCB	7.77735	8.542998	7.156142	7.403669	7.364187	7.075605	6.993319	6.943049	6.898169	7.099449	6.87795	6.967015
CALCOCO	CALCOCO	6.969058	7.287123	7.167848	7.596282	7.630992	8.210626	8.038507	8.13311	8.033145	8.410517	8.042147	7.99085
CALCOCO	CALCOCO	7.272097	7.485334	7.201997	7.614802	7.701184	7.687965	7.841798	7.977686	8.006552	8.011999	7.631893	7.871635
CALCR	CALCR	7.179622	7.297799	7.712406	7.240544	6.962108	7.024258	6.944398	6.930599	6.878476	7.07892	6.704324	6.873809
CALCRL	CALCRL	6.931184	7.158082	6.757666	7.690318	7.873091	7.322489	6.90351	7.017099	7.188201	6.932887	6.783455	6.970051
CALD1	CALD1	9.995253	10.66298	9.966691	11.40917	10.90218	10.51892	9.967759	10.62177	10.18002	10.49939	11.32584	10.73206
CALM1	CALM1	11.42387	11.98208	11.5771	11.71021	11.78873	12.13738	11.59964	11.89449	11.79926	11.69155	11.96079	11.26993
CALM2	CALM2	13.53071	14.16647	13.43497	13.73754	13.59014	13.85123	13.7682	13.64132	14.00215	13.66196	13.46757	13.20059
CALM3	CALM3	12.59375	12.8161	12.57421	12.67145	12.6484	12.92081	12.5423	12.81165	12.64779	12.65605	12.69671	12.12643
CALML3	CALML3	6.938842	7.263125	6.876629	7.199546	7.035347	7.083714	6.951877	6.988089	7.010156	7.042097	6.751399	6.891321
CALML4	CALML4	8.813241	8.942054	8.578781	8.781358	8.588244	8.396609	8.346017	8.144515	8.540849	8.507578	8.156271	8.082729
CALML5	CALML5	6.887435	7.176938	6.930022	7.132857	7.068516	7.08998	6.957016	6.974325	6.956726	6.855317	6.760868	7.031713
CALML6	CALML6	6.86353	7.041202	6.744456	7.082762	6.963612	6.901879	6.897521	6.912347	6.808808	6.923882	6.79171	6.756965
CALN1	CALN1	7.629355	7.785477	7.324699	7.679673	7.529695	7.725901	7.501658	7.596101	7.533804	7.65369	7.678648	7.447185
CALR	CALR	10.09258	10.73606	10.30055	10.68749	10.26005	9.64256	9.795094	9.633192	9.822882	9.917369	10.15508	10.02803
CALR3	CALR3	7.005759	7.19666	6.741431	7.084058	6.923243	6.977958	6.806463	7.049828	6.873124	6.963624	6.781493	6.915193
CALU	CALU	10.23834	10.66793	10.58264	11.49478	11.12591	11.52041	11.05656	11.29353	11.30803	11.25537	11.6797	11.55981

CAMK1	CAMK1	7.095551	7.532115	7.253116	7.53442	7.260162	7.653049	7.662387	7.889444	7.639427	7.803342	8.159694	7.733368
CAMK1D	CAMK1D	7.265729	7.308967	6.97522	7.107716	7.152818	7.301735	7.241599	7.424653	7.500382	7.534861	7.669189	7.526111
CAMK1G	CAMK1G	7.123664	7.293026	6.940793	7.296432	7.276651	7.076548	7.176524	7.081315	7.00184	7.074465	6.988032	7.035807
CAMK2A	CAMK2A	6.805335	6.910169	6.730169	7.434579	8.115407	8.76281	8.54287	8.676773	8.257998	8.370812	7.757405	8.074324
CAMK2B	CAMK2B	6.921238	7.094268	6.846947	7.10147	7.100925	7.698672	7.921839	8.473947	8.112523	8.856959	8.936114	8.694754
CAMK2D	CAMK2D	6.890514	7.242695	7.151366	7.596902	7.488587	8.558785	8.148166	8.495229	8.387456	8.62423	8.433711	8.712801
CAMK2G	CAMK2G	8.247256	8.334685	7.481579	7.853948	7.900046	8.150076	7.771399	7.89387	7.930547	7.817274	7.894435	7.686192
CAMK2N1	CAMK2N1	7.843931	7.996624	8.145915	8.180431	8.757477	7.826933	7.182429	7.506916	8.178515	7.612391	8.776105	7.780089
CAMK2N2	CAMK2N2	7.531446	8.018875	6.916875	7.003786	6.929093	6.947718	6.988711	6.950169	7.044129	6.877625	6.791518	6.874477
CAMK4	CAMK4	6.931635	7.082952	6.739823	6.9383	6.894664	6.881742	6.841406	7.017968	6.888065	6.932597	6.746681	6.740523
CAMKK1	CAMKK1	6.93878	7.08477	6.853341	7.121674	7.001604	7.01939	6.960293	7.000349	6.928881	7.015359	6.90642	6.949902
CAMKK2	CAMKK2	7.134424	7.217275	7.190974	7.106269	7.06747	7.056758	7.03514	6.980947	7.031774	7.041841	6.846443	7.024859
CAMKV	CAMKV	11.56172	11.53121	9.106254	7.861793	7.267509	7.133312	7.081783	7.004169	7.921882	7.166307	6.800099	6.859668
CAMLG	CAMLG	12.28332	12.35668	11.39712	11.56456	12.16931	12.08941	11.77709	11.64397	12.09807	11.74422	11.74735	11.46415
CAMP	CAMP	6.941931	7.117369	6.772172	6.958233	6.942799	6.89992	6.852762	6.965258	6.84831	6.865259	6.825542	6.814838
CAMSAP1	CAMSAP1	9.706917	9.952873	9.654634	10.0111	9.667233	9.625805	9.419986	9.376711	9.355364	9.202977	9.045646	9.272239
CAMSAP1	CAMSAP1	9.52826	9.937532	9.423241	10.1783	10.06209	10.40318	9.672438	9.78306	9.914924	9.440083	9.454177	9.827118
CAMTA1	CAMTA1	7.878211	8.035143	7.845895	7.832931	7.615622	7.619745	7.530575	7.735822	8.37403	7.593189	7.465968	7.43475
CAMTA2	CAMTA2	6.870554	7.086819	6.677055	7.116281	7.020627	6.907951	6.856199	6.95737	6.961602	6.964713	6.963432	6.960796
CAND1	CAND1	9.138321	9.570673	9.145196	9.643845	9.375703	9.266585	8.749162	8.387609	8.599746	8.142241	8.150789	8.220085
CAND2	CAND2	8.276707	8.432535	7.618667	7.831505	8.400361	9.730527	9.668722	9.526886	9.338029	9.557671	8.904654	9.252999
CANT1	CANT1	8.756706	8.989656	9.102453	9.595888	9.247144	9.604959	9.072302	9.286673	8.884494	9.195229	9.447788	9.12823
CANX	CANX	10.06748	9.928722	9.847314	10.0155	9.763842	9.655993	9.166732	9.370355	9.313526	9.082122	9.246433	9.4603
CAP1	CAP1	12.17973	12.61403	12.18449	12.56938	11.96647	12.21562	11.47838	11.84395	11.65865	11.31232	12.33203	11.20735
CAP2	CAP2	9.860444	10.75175	10.58553	12.09129	12.23681	13.76382	13.46327	13.49793	13.21924	13.38071	12.61051	12.95869
CAPG	CAPG	7.339726	7.643497	7.173649	7.172906	7.026517	7.114845	6.994874	7.046726	6.986041	6.875678	6.916046	6.969559
CAPN1	CAPN1	10.70481	11.33199	10.14384	10.22252	10.47907	10.72682	10.49445	10.27453	10.32256	10.4781	10.51259	10.38135
CAPN10	CAPN10	7.295959	7.504401	7.221064	7.34883	7.33835	7.370151	7.218322	7.187159	7.258148	7.241382	6.992337	7.039415
CAPN11	CAPN11	7.529001	7.528344	6.980145	7.130383	6.969684	7.072927	6.953694	7.062738	6.884383	6.900845	6.777536	6.875376
CAPN12	CAPN12	7.691446	7.684743	7.379174	7.413025	7.174864	7.075304	7.01467	7.0606	6.941429	7.060235	6.797601	6.947171
CAPN13	CAPN13	7.139362	7.298126	7.720435	7.30929	7.105631	7.168263	6.832703	6.875605	6.824027	6.944088	6.793393	6.704234
CAPN14	CAPN14	6.929707	6.982617	6.924999	7.135272	6.99932	7.297874	7.336951	7.368482	7.362199	7.53289	7.623508	7.723627
CAPN2	CAPN2	7.241396	7.924032	7.706336	8.324171	7.941014	8.025351	7.736173	7.746778	7.712287	7.822877	8.227766	8.230354
CAPN3	CAPN3	6.952073	7.117594	6.899531	7.273374	7.7377	8.471148	8.80182	8.890422	8.270161	8.487611	7.572089	7.099131
CAPN5	CAPN5	8.832931	8.479282	8.187572	8.510633	8.206075	7.895042	7.693208	7.644156	7.940368	7.471027	7.632438	7.595407
CAPN7	CAPN7	7.588574	7.940918	7.714018	7.951481	8.084352	8.712266	8.240288	8.251235	8.30997	8.291792	8.165941	8.143122

CAPN9	CAPN9	6.854744	7.001262	8.434521	7.623599	6.999461	6.976512	6.849927	6.884825	6.823184	6.883297	6.678679	6.784302
CAPNS1	CAPNS1	9.763774	10.35759	9.985568	10.39014	10.49759	11.06787	10.80062	11.19132	10.8835	11.10275	11.61539	10.92954
CAPNS2	CAPNS2	6.8956	6.997473	6.816665	7.071226	6.962194	6.957249	6.826546	6.911232	7.063284	7.088928	6.829302	6.763412
CAPS	CAPS	7.038492	7.39436	7.062385	7.345994	7.409795	7.445847	7.425826	7.326617	7.464401	7.309717	7.036508	7.095177
CAPS2	CAPS2	6.842041	6.912172	6.657637	6.938599	6.919092	6.80807	6.767802	6.951725	6.850834	6.900907	6.759665	6.824036
CAPSL	CAPSL	6.853174	7.074137	6.89412	7.108591	6.947338	7.020002	6.912441	6.988645	6.929045	6.902405	6.832731	6.856043
CAPZA1	CAPZA1	8.220002	9.035045	8.712161	8.959578	8.843296	8.876569	9.141829	8.341389	9.13124	8.789439	8.538914	8.831641
CAPZA2	CAPZA2	11.24958	11.58151	11.14632	11.63437	11.77446	13.22665	12.65546	12.76426	12.68829	12.78261	12.46755	12.34775
CAPZA3	CAPZA3	6.842235	6.947037	6.79367	6.950916	6.977694	6.961487	6.893966	6.865929	6.899411	6.844363	6.610158	6.769187
CAPZB	CAPZB	10.06844	10.29268	9.491298	9.727066	9.477248	9.769194	9.630959	9.692309	9.748081	9.814649	9.909012	9.75271
CARD10	CARD10	8.650015	8.754146	8.299012	8.011666	7.626662	7.230335	7.02349	7.328368	7.27421	7.154297	7.705341	7.276776
CARD11	CARD11	9.220712	9.771579	8.599211	8.541574	8.123685	7.856401	7.751352	7.72563	7.793216	7.742374	7.523465	7.641143
CARD12	CARD12	6.868813	7.020819	6.831126	7.011706	6.883472	6.92679	6.941241	6.89439	6.843262	6.927499	6.79475	6.836227
CARD14	CARD14	6.818125	7.042792	6.776523	6.984719	6.908262	6.998447	6.803777	6.889176	6.811919	6.857561	6.806229	6.79634
CARD15	CARD15	6.81441	6.947656	6.760044	6.896557	6.771363	6.864208	6.720944	6.842872	6.81885	6.747349	6.673163	6.72086
CARD6	CARD6	6.94828	7.248452	6.975906	7.107693	7.028957	7.027662	7.011854	6.974242	7.023889	6.990325	6.915042	7.018631
CARD8	CARD8	7.845853	8.335836	8.044388	8.43578	8.460539	8.384003	8.037902	7.787883	7.781342	7.517029	7.192106	7.139967
CARD9	CARD9	8.393572	8.853938	8.56352	8.732574	8.448894	9.201855	8.868769	8.670323	8.776482	8.797111	8.37335	8.618831
CARF	CARF	8.503833	8.982763	8.842775	8.825313	8.754125	9.912299	8.725925	8.969421	8.951566	8.872192	8.836735	8.808769
CARHSP1	CARHSP1	12.14488	12.71116	12.19953	11.64783	11.18157	11.42551	11.25369	11.00685	11.39981	11.25732	10.64	10.33097
CARKL	CARKL	11.26971	11.34159	10.62803	10.42378	10.21979	8.899706	8.478882	8.460132	8.489672	8.198406	8.203436	8.173292
CARM1	CARM1	12.56642	12.59941	11.74351	11.90758	11.69279	11.43043	10.99672	11.07145	11.02598	10.98503	11.10686	10.99921
CARS	CARS	9.565672	9.745224	8.705871	9.11882	8.720322	8.869646	8.457184	8.574883	8.649782	8.427566	8.481877	9.263475
CART	CART	7.08271	7.399604	6.932052	7.314026	7.36503	7.202893	7.090997	7.150127	7.09814	7.168799	6.949725	7.062707
CART1	CART1	7.055729	7.225081	7.759129	7.938749	8.017977	7.728524	7.092334	7.009964	7.224992	7.040629	6.689615	6.80142
CASC1	CASC1	6.822844	6.872136	6.818933	7.185434	7.091246	7.013106	6.889907	7.05292	7.111673	7.047324	6.739894	7.005766
CASC2	CASC2	7.246122	7.510319	7.126694	7.380112	7.425246	7.436207	7.300953	7.318295	7.35039	7.404801	7.144478	7.277156
CASC3	CASC3	9.776337	9.867074	9.04064	9.514024	9.059908	9.539992	9.047107	9.217927	9.024832	9.151382	9.20906	9.110218
CASC4	CASC4	7.711344	7.811057	7.488993	7.768177	8.050576	8.518947	8.21144	8.604391	8.249643	8.100783	8.761762	8.534323
CASC5	CASC5	7.095358	7.391675	7.284451	7.3909	7.268157	7.194801	7.120654	7.141219	7.078162	7.044804	6.849261	6.929526
CASD1	CASD1	7.895562	7.852894	8.086782	8.539361	8.540502	8.533765	8.079279	8.42633	8.152764	8.164195	7.847874	8.125513
CASK	CASK	8.836073	8.91938	8.706058	9.439437	8.725073	8.459389	8.025746	8.294375	8.059697	7.912655	8.44551	8.206628
CASKIN1	CASKIN1	6.925805	7.152826	6.782064	7.081433	6.970701	6.80182	6.878737	6.868004	6.924685	6.959684	6.927631	6.869252
CASKIN2	CASKIN2	6.871784	7.153804	6.839596	7.031267	6.998029	7.084027	6.969336	6.914725	6.985529	7.024094	6.86345	6.889976
CASP1	CASP1	6.83738	6.949292	6.765231	6.998202	6.856805	6.853064	6.833583	6.922559	7.087173	6.982856	6.948636	7.410152
CASP10	CASP10	7.013564	7.123337	6.94586	7.08606	7.035606	7.077164	6.983256	7.04883	6.926771	7.091509	6.918849	6.934375

CASP12	CASP12	6.871843	6.929223	6.791986	6.935041	6.903133	6.886097	6.883437	6.895479	6.905816	6.857389	6.760109	6.791345
CASP14	CASP14	6.793678	7.011946	6.846967	6.915542	6.817215	7.057893	6.831643	6.904088	6.837267	6.884585	6.704857	6.70291
CASP2	CASP2	10.13051	10.38065	10.05508	10.17604	10.0446	9.575899	9.391286	9.25033	9.429189	8.972404	8.634453	8.710227
CASP3	CASP3	10.02132	11.78468	10.18317	9.914396	9.309794	10.44588	9.989113	10.15334	9.881504	10.04011	9.475146	9.620784
CASP4	CASP4	6.847724	7.045164	6.766965	6.94599	6.901524	6.888679	6.836789	6.980508	7.041767	7.080573	7.142892	7.140531
CASP5	CASP5	6.845426	6.887634	6.767921	6.911418	6.89825	6.881024	6.827321	6.851349	6.912475	6.933959	6.756958	6.741594
CASP6	CASP6	8.214963	8.793903	8.383563	8.495409	8.517672	8.481629	8.182288	7.913386	8.108997	7.774499	7.61069	7.545889
CASP7	CASP7	6.971122	7.346776	7.130596	7.380281	7.395037	7.368663	7.344992	7.559648	7.44316	7.716144	7.705571	7.701453
CASP8	CASP8	6.913553	7.17756	6.892926	6.997072	7.009537	7.012345	6.919882	6.93856	6.96262	6.954921	6.846658	6.903112
CASP8AP2	CASP8AP2	6.857709	6.981786	6.85032	7.003936	6.907887	6.98884	6.891679	6.982841	6.880335	6.962467	6.851391	6.833442
CASP9	CASP9	8.028878	8.212491	7.60439	7.872896	8.112719	8.282249	8.069073	8.055758	7.849302	7.950993	7.724971	7.985814
CASQ1	CASQ1	7.025553	7.23357	7.125233	7.157766	7.217882	8.201737	9.102893	9.836031	9.382295	10.06973	9.683502	9.051871
CASQ2	CASQ2	6.922406	7.015095	6.914329	7.105973	7.016423	7.85475	8.337557	10.07582	10.78363	12.22837	12.37801	12.40671
CASR	CASR	6.884345	6.992058	6.826321	6.929901	6.894901	6.932813	6.903378	6.97326	6.924356	6.833587	6.774249	6.87242
CASRL1	CASRL1	6.991152	7.09803	6.879752	6.992866	6.854213	7.023465	6.858714	6.919286	6.934576	6.901889	6.830265	6.823756
CAST	CAST	7.406358	7.548957	7.631842	8.071431	8.277742	8.400625	8.459565	8.294394	8.504002	8.516887	8.405694	8.749817
CAST1	CAST1	7.577087	7.660761	7.527171	8.473828	8.242305	9.263101	8.793578	8.791838	8.587471	8.538704	7.783891	7.706068
CASZ1	CASZ1	7.701893	7.661637	7.305535	7.726686	7.830018	9.04283	8.684699	8.727836	8.396939	8.641975	8.183117	8.22929
CAT	CAT	7.755477	8.071045	7.818998	7.954417	7.969862	8.929013	8.981956	9.019305	9.083698	9.007284	8.676412	8.858296
CATSPER1	CATSPER1	6.876734	6.989179	6.675057	7.054073	6.814973	6.865815	6.755746	6.953118	6.881767	6.899963	6.737428	6.949469
CATSPER2	CATSPER2	10.9136	11.46882	10.48576	10.97191	11.24185	10.90893	11.14192	10.64179	10.79069	10.7043	10.41134	10.89216
CATSPER3	CATSPER3	6.917872	7.135187	6.8603	7.05308	6.95899	6.970827	6.919532	7.037733	6.904142	6.944943	6.890172	6.919472
CATSPER4	CATSPER4	6.866377	7.104591	6.865973	7.099354	6.895865	7.046865	6.947337	6.935878	6.853794	6.895386	6.712745	7.013352
CAV1	CAV1	8.161329	9.267931	7.96756	7.857137	8.318211	10.24661	10.47055	10.95794	11.07467	11.54378	12.06998	11.62685
CAV2	CAV2	7.171345	7.683805	7.309688	7.597219	8.115927	10.15814	9.874403	10.27163	10.03368	10.42382	10.98276	10.07282
CAV3	CAV3	6.934675	7.042989	6.830799	7.062548	7.012151	7.034926	6.881254	7.007685	7.1185	7.126991	6.906627	7.004815
CBARA1	CBARA1	8.311681	8.718222	8.461827	8.717076	8.562701	8.957865	8.692118	8.787625	8.732713	8.866284	8.807234	8.716854
CBFA2T2	CBFA2T2	7.225763	7.410335	7.240683	7.939668	7.812497	7.748669	7.492022	7.444958	7.498682	7.394229	7.248896	7.347331
CBFA2T3	CBFA2T3	6.922229	7.148545	6.938424	7.076947	7.071201	7.05903	7.006973	7.104557	6.931937	7.090713	6.973558	6.939608
CBFB	CBFB	8.215173	8.512443	8.818626	9.514183	8.900853	9.422754	8.970187	9.075448	8.953913	8.858058	8.825035	8.659628
CBL	CBL	8.747565	9.307227	8.128165	8.454387	8.209249	8.203315	7.761688	7.69258	7.795823	7.66182	7.711348	7.530128
CBLB	CBLB	9.379214	9.856361	9.689736	10.20362	9.740743	10.03939	9.541183	9.510994	9.429941	9.069716	8.950868	9.539866
CBLC	CBLC	7.297566	7.523	7.110461	7.106735	7.185834	7.186895	7.048873	7.081341	6.975096	7.050654	6.964124	6.981536
CBLL1	CBLL1	8.818834	9.000858	8.545765	8.536597	8.292489	8.883556	8.401944	8.542193	8.458538	8.404559	8.330048	8.390375
CBLN1	CBLN1	7.207454	8.280453	8.294388	7.353291	7.266043	7.105009	7.055476	7.149725	8.175162	6.956414	6.798159	6.840087
CBLN2	CBLN2	6.943579	7.164625	7.037123	8.488382	7.71408	7.595863	7.159713	7.157768	7.431151	7.322997	7.472664	7.242817

CBLN3	CBLN3	7.038233	7.583845	7.199434	7.602048	7.872279	7.569481	7.45681	7.50078	7.773055	7.481214	7.286859	7.288143
CBLN4	CBLN4	7.000974	6.968038	6.844051	6.981162	6.923318	6.838496	6.787827	6.978405	6.715299	6.954225	6.733193	6.787133
CBR1	CBR1	8.920102	8.89975	8.354309	8.035022	7.860244	8.215376	8.026135	7.904242	7.995103	8.149538	7.959195	8.06434
CBR3	CBR3	7.133292	7.864047	7.38256	7.018347	6.984269	6.854694	6.751851	7.000052	6.948997	7.016918	7.549702	7.151626
CBR4	CBR4	9.396101	9.29171	9.160663	9.327389	9.332946	9.956126	9.312899	9.429177	9.009013	9.079644	8.913443	8.718691
CBS	CBS	12.62986	12.81945	11.64916	11.72329	11.10234	10.42744	10.19493	9.679752	9.998692	9.712062	9.181291	9.679494
CBWD1	CBWD1	6.884801	7.100185	6.851086	7.03122	6.975611	6.980681	6.992148	6.905847	6.950668	7.017304	6.837928	6.978125
CBWD2	CBWD2	6.868575	6.909114	6.802676	6.971874	6.883018	6.868813	6.838103	6.828238	6.77732	6.985338	6.707879	6.821965
CBWD3	CBWD3	6.773943	7.101716	6.778514	6.998582	6.874949	6.937802	6.814811	6.904381	6.860383	6.951094	6.708988	6.846527
CBWD5	CBWD5	8.567182	8.722649	8.614903	8.342285	8.431977	9.017298	8.587381	8.559715	8.505881	8.316503	8.373771	8.298735
CBX1	CBX1	9.97849	10.85515	10.28036	10.4147	9.972457	9.178027	9.224236	9.037266	9.566945	9.19713	8.891182	8.654425
CBX2	CBX2	10.42303	10.46955	9.795208	10.01562	9.384778	8.322265	8.035761	7.867892	8.191091	7.601735	7.22557	7.184194
CBX3	CBX3	8.728703	9.102364	8.568885	8.690978	8.618971	8.880576	8.464603	8.541695	8.647097	8.527159	8.568346	7.870329
CBX4	CBX4	7.033173	7.191035	7.09413	7.411233	7.97812	8.905319	8.427849	8.676019	8.401829	8.548121	8.603629	8.621223
CBX5	CBX5	9.612774	10.37995	10.10252	10.20725	10.07639	11.17573	10.50782	10.56384	10.58245	10.48874	10.09074	9.76593
CBX6	CBX6	9.698563	10.01654	9.299415	9.430213	10.00516	11.2625	11.0075	11.07111	11.07625	11.02706	10.42903	11.62587
CBX7	CBX7	7.728089	7.655429	7.254565	7.459895	7.919665	8.723556	8.567306	8.712781	8.66222	9.112996	8.539582	8.824811
CBX8	CBX8	6.991064	7.33837	7.067787	7.318449	7.51224	7.638073	7.315829	7.305884	7.468998	7.358739	7.144526	7.256693
CBY1	CBY1	7.086771	7.474907	7.089251	7.339625	7.236742	7.315939	7.261839	7.251429	7.315414	7.433098	7.102131	7.287483
CC2D1A	CC2D1A	7.284267	7.478743	7.122059	7.292946	7.373201	7.393955	7.384372	7.215227	7.177161	7.385902	7.421467	7.321236
CC2D1B	CC2D1B	7.159815	7.41018	7.233723	7.482654	7.53497	7.463766	7.29841	7.34392	7.341142	7.274532	7.208552	7.236946
CCAR1	CCAR1	7.595252	8.126228	7.638801	7.842267	7.68287	7.67773	7.691598	7.382574	7.720099	7.621714	7.268409	7.422623
CCBE1	CCBE1	8.104049	8.937169	8.329676	8.806067	8.793756	8.492065	8.793152	8.248439	8.543867	8.368811	8.058596	8.620482
CCBL1	CCBL1	9.54849	9.25365	8.361427	8.729216	8.859549	9.857729	8.935639	8.651377	8.576574	8.496833	8.061581	8.304841
CCBL2	CCBL2	9.356413	9.604517	9.245225	9.384873	9.261346	9.173934	8.911887	8.802001	8.994741	8.694202	8.670062	8.405273
CCBP2	CCBP2	6.850024	6.959248	6.870216	7.319889	7.482339	7.076853	7.005285	7.098908	6.986952	7.005172	6.929005	6.92695
CCDC104	CCDC104	8.21437	8.626444	8.482365	8.554638	8.771841	8.665512	8.380837	8.299343	8.624849	8.499112	8.70159	8.538555
CCDC108	CCDC108	6.79167	6.929418	6.75747	6.923702	6.862447	6.958204	6.861096	6.857004	6.841932	6.831751	6.721541	6.781465
CCDC11	CCDC11	6.83166	7.097896	6.894723	7.052437	6.941594	7.36852	6.869739	7.012843	6.994372	6.980507	6.806529	6.932811
CCDC110	CCDC110	7.178059	7.178961	6.810185	7.036918	6.969198	7.008894	7.062977	7.114024	6.924847	7.09436	6.85536	6.88374
CCDC117	CCDC117	7.015351	7.17707	6.925342	7.101198	7.054825	7.029119	7.010903	6.955394	7.035038	7.05373	6.920538	6.950259
CCDC12	CCDC12	10.48782	10.65834	10.45473	10.44566	10.26732	10.69402	10.34316	10.35668	10.4549	10.5085	10.14059	10.11747
CCDC121	CCDC121	7.107082	7.278415	7.153024	7.442694	7.443059	7.621216	7.561977	7.604579	7.62256	7.608272	7.373951	7.511987
CCDC127	CCDC127	8.272759	8.60991	8.066595	8.457892	8.212628	8.920419	8.595807	8.735731	8.69491	8.776793	8.604771	8.553953
CCDC129	CCDC129	7.025291	7.193236	7.056178	7.094644	7.030604	7.061432	6.924867	6.969676	6.964329	7.051928	6.94833	6.923518
CCDC13	CCDC13	6.87213	7.13799	6.805973	7.025741	6.88549	6.988801	6.927668	6.889493	6.876696	6.881631	6.815653	6.776026

CCDC14	CCDC14	10.93953	11.2715	10.90249	11.23652	10.89239	10.73817	10.37461	10.15712	10.20223	9.780285	9.055778	9.223142
CCDC15	CCDC15	8.03926	8.57316	8.072451	8.095879	7.942545	7.800094	7.406702	7.331634	7.415404	7.13034	7.008017	7.05942
CCDC16	CCDC16	9.551732	10.04738	9.407821	9.437354	9.501451	9.972426	9.409639	9.253629	9.572193	9.374858	9.093874	9.383301
CCDC17	CCDC17	7.008587	7.422784	7.151634	7.256406	7.154554	7.234915	7.156448	7.153792	7.091125	7.101622	7.031405	7.079643
CCDC18	CCDC18	7.784951	8.177382	7.690169	7.861913	7.442807	7.565762	7.483328	7.426611	7.347174	7.350852	7.016458	7.01689
CCDC21	CCDC21	8.902108	8.625046	8.326141	8.47752	8.360177	8.636272	8.309266	8.254717	8.150642	8.340101	7.780749	7.952588
CCDC22	CCDC22	7.244288	7.325979	7.220304	7.413077	7.32245	7.571695	7.182736	7.277928	7.355067	7.434462	7.13802	7.237479
CCDC23	CCDC23	10.64575	10.85002	11.13785	11.13765	11.21984	11.10249	10.7428	10.76419	10.96309	10.7294	10.30601	9.919614
CCDC24	CCDC24	8.537182	8.913426	8.025923	8.071255	8.223982	8.366272	8.074651	7.745212	7.828655	7.711212	7.655996	7.63209
CCDC25	CCDC25	10.05213	10.04402	9.556473	9.968021	9.679062	9.95668	9.314589	9.304801	9.461461	9.266634	9.025673	9.158252
CCDC26	CCDC26	6.92806	7.055864	6.836483	7.0331	6.885744	6.91292	6.823742	6.949777	6.946116	7.00561	6.841317	6.752148
CCDC27	CCDC27	7.027813	7.26874	6.826874	7.143829	7.034607	7.176958	6.910839	7.071424	7.043927	7.076532	6.926298	6.990774
CCDC28A	CCDC28A	9.608828	9.991508	9.707016	9.677104	9.266494	9.448601	8.977956	8.68635	8.914211	8.664004	8.568944	8.590781
CCDC28B	CCDC28B	7.951351	8.563018	7.878582	8.257774	8.527704	9.375486	9.304914	9.164954	9.180092	9.275502	8.978035	8.908776
CCDC3	CCDC3	7.229809	7.324697	7.925943	9.838364	9.78084	9.399818	10.07184	10.37614	9.811738	9.745636	10.46275	9.455271
CCDC32	CCDC32	8.258555	8.297525	8.03936	8.478113	8.830427	9.509073	9.436774	9.649109	9.601994	9.81855	9.682519	9.46598
CCDC33	CCDC33	6.998971	7.158855	6.877619	7.127171	7.043971	6.948165	6.9844	7.00907	7.001501	7.092786	6.752629	6.909977
CCDC34	CCDC34	10.19335	10.62637	10.45121	10.98672	10.42541	10.31969	10.31775	10.46368	10.28066	10.45815	9.671987	9.555747
CCDC35	CCDC35	7.13735	7.18692	6.915057	7.211209	7.153157	7.311867	6.974629	7.081083	7.04577	7.022887	6.834105	7.058013
CCDC36	CCDC36	7.069016	7.212197	6.901124	7.073258	6.956732	7.104078	6.902786	7.060267	6.995692	7.121181	6.863436	6.808881
CCDC37	CCDC37	6.852936	7.059373	6.828971	6.95313	6.964336	6.825424	6.986742	6.944702	6.848381	6.876075	6.748137	6.781906
CCDC38	CCDC38	6.80834	6.994172	6.715523	6.923096	6.89435	6.926118	6.774287	6.936664	6.816668	6.761645	6.770897	6.849485
CCDC4	CCDC4	7.556453	7.943262	7.147335	7.189615	7.171007	7.143013	7.015252	7.035378	7.094952	7.124382	7.039947	6.977975
CCDC40	CCDC40	6.949211	7.20155	6.886007	7.054058	6.92285	7.090471	6.961894	7.009672	6.953196	7.014798	6.875565	6.927345
CCDC41	CCDC41	8.33809	8.721765	8.030874	8.560528	8.292599	8.897177	8.535491	8.721783	8.843079	9.084044	8.326898	8.275889
CCDC42	CCDC42	6.783239	6.951993	6.732175	7.097773	6.890391	6.979368	6.687903	6.815953	6.754616	6.73086	6.605821	6.757094
CCDC43	CCDC43	8.191132	8.686871	8.29166	8.485269	8.158487	8.850608	8.273222	8.16281	8.355905	8.450508	8.063506	8.433101
CCDC44	CCDC44	9.250612	9.436677	8.764128	9.064033	8.964805	10.2482	9.658215	9.542915	9.628585	9.776055	9.39484	9.523452
CCDC45	CCDC45	10.19443	10.65753	10.28017	10.45502	10.27672	10.37414	9.891553	9.507118	9.809209	9.488389	8.713068	8.925083
CCDC46	CCDC46	6.999231	7.201746	7.22967	7.7365	7.729841	7.971182	7.761082	7.844362	7.664295	7.739941	7.627905	7.476548
CCDC47	CCDC47	8.349146	8.831021	8.523641	8.469131	7.997336	7.66511	7.367577	7.371424	7.396074	7.371317	7.3249	7.450333
CCDC48	CCDC48	6.74412	7.077893	6.682559	6.962006	7.061629	7.334872	6.91391	7.020902	6.993906	7.006928	6.850499	6.829082
CCDC49	CCDC49	8.409383	8.563112	8.375057	8.439947	8.448955	8.789769	8.155341	8.208747	8.206088	8.145415	7.858272	8.213881
CCDC5	CCDC5	8.915649	9.178174	8.706096	8.429186	8.438961	8.916102	8.269372	8.077425	8.235176	8.050377	7.828201	7.621275
CCDC50	CCDC50	8.159814	8.683375	8.687414	8.873763	8.947409	9.470697	8.968668	9.100636	9.061245	9.17637	9.647981	9.225146
CCDC51	CCDC51	8.487478	8.772779	8.079368	8.247095	7.970272	8.503082	8.078686	8.070787	7.985441	7.901879	7.871242	7.95968

CCDC52	CCDC52	6.907368	7.117625	6.947457	6.971884	6.948031	6.98095	6.91656	7.035792	6.931686	7.055726	6.823089	6.891286
CCDC53	CCDC53	8.294184	9.163756	9.11565	9.289222	9.788609	10.85829	10.52148	10.63837	10.61633	10.55126	10.68429	9.964959
CCDC54	CCDC54	6.874288	6.973907	6.708374	6.948253	6.966527	6.911741	6.917786	6.845099	6.771479	6.850453	6.724729	6.787662
CCDC55	CCDC55	8.033197	8.474164	7.982546	8.442299	8.070246	8.824992	8.391422	8.383174	8.385119	8.661615	8.373761	8.500333
CCDC56	CCDC56	10.63348	11.29496	10.63284	11.00247	10.97608	11.70169	11.26527	11.17465	11.30595	11.37534	11.0251	11.04882
CCDC57	CCDC57	6.881797	7.146727	6.991897	7.369986	7.241409	7.048688	6.954151	7.047733	7.006298	7.05296	6.866437	6.914223
CCDC58	CCDC58	10.23136	11.04295	10.11968	10.02266	9.739103	9.476189	9.214978	8.886074	9.341223	9.167454	8.472736	8.555585
CCDC59	CCDC59	11.09389	11.54969	11.23406	10.86843	10.80463	11.11834	10.26391	10.3926	10.50076	10.44946	10.6802	9.924582
CCDC6	CCDC6	11.50024	11.86674	10.6653	11.04759	10.67851	11.11028	10.5205	10.71453	10.36119	10.48887	10.85984	10.66122
CCDC60	CCDC60	7.038645	7.095452	6.821538	7.129777	7.491524	7.894823	7.397083	7.469826	7.205339	7.327192	7.12312	7.020393
CCDC62	CCDC62	6.961716	7.27267	6.906146	7.211533	6.990073	7.320645	7.030118	7.110415	7.133623	7.140642	7.031163	6.989495
CCDC63	CCDC63	6.899303	7.133384	6.897599	7.083723	6.909558	7.150108	6.949186	7.097384	7.069654	6.984808	6.850006	6.972621
CCDC64	CCDC64	6.821907	7.095914	6.849183	7.064567	6.871959	6.931872	6.919664	6.971818	6.96823	6.968832	6.718222	6.877246
CCDC65	CCDC65	6.90435	7.184427	6.811334	7.056069	7.005196	7.069156	6.794162	6.8725	7.001809	7.061144	6.885404	6.831069
CCDC66	CCDC66	7.998391	8.624404	8.236378	8.313902	8.114097	8.400768	8.236298	8.300682	8.172486	8.240583	7.637862	7.797771
CCDC67	CCDC67	6.925018	7.052837	6.716326	6.99476	6.934068	7.019922	6.861562	7.021398	6.84856	6.935982	6.698132	6.866281
CCDC68	CCDC68	7.17009	7.286455	7.025833	7.194642	7.136064	7.196477	7.120317	7.188405	7.184247	7.138034	7.057474	7.162132
CCDC69	CCDC69	7.048655	7.137901	6.880279	7.133278	7.140687	7.301915	7.396573	7.570325	7.459379	7.642987	7.506462	7.635735
CCDC7	CCDC7	6.859574	7.037754	6.82396	7.017002	6.975027	7.043522	6.910026	6.930405	6.923676	6.97737	6.776898	6.894955
CCDC70	CCDC70	7.007395	7.222781	6.957759	7.102101	7.038312	7.126842	7.058949	7.09196	7.063211	7.026349	6.902718	6.996994
CCDC71	CCDC71	7.092983	7.75441	7.260821	7.579573	7.474252	7.634997	7.264557	7.343993	7.299476	7.437278	7.363919	8.172682
CCDC72	CCDC72	12.51666	13.24893	12.69148	12.43867	12.42182	12.76009	12.43897	12.28099	12.61041	12.67987	12.5746	12.14039
CCDC74A	CCDC74A	7.652334	8.058179	7.700553	7.793381	7.780493	7.512576	7.581399	7.452275	7.523549	7.455576	7.349301	7.035599
CCDC74B	CCDC74B	7.064872	7.153474	7.01191	7.180941	7.092985	7.014811	6.929065	7.140325	6.957445	7.131698	7.040854	6.77935
CCDC75	CCDC75	7.086662	7.150814	6.945995	7.067438	7.024624	7.095684	6.935132	6.991149	7.028543	7.188	6.889425	6.874373
CCDC76	CCDC76	8.498709	9.031583	8.565798	8.873587	9.077625	9.039011	8.371764	8.377957	8.315665	8.256984	8.091448	8.084038
CCDC77	CCDC77	10.86036	11.06969	10.31137	10.57504	9.86724	9.771198	9.282085	9.124795	9.326865	8.80997	8.295073	8.472828
CCDC8	CCDC8	7.300805	7.619611	7.312368	7.866351	7.996112	8.286482	8.063096	7.895604	8.011342	8.119714	7.506299	7.894283
CCDC85A	CCDC85A	6.733608	7.043735	6.729764	7.061664	6.87573	6.931589	6.827949	7.062005	6.998839	7.073209	7.097652	7.093689
CCDC9	CCDC9	7.107131	7.193253	7.044569	7.125595	6.949882	7.132765	6.839631	7.040058	6.955319	6.940354	6.810366	6.848985
CCDC90B	CCDC90B	10.64214	11.18292	11.11672	10.89597	11.04042	11.46797	10.91777	10.72767	10.82672	10.55469	10.62749	10.08287
CCDC91	CCDC91	7.159102	7.476008	6.988014	7.290964	7.187381	7.626658	7.660761	7.36136	7.699887	7.611562	7.206758	7.894652
CCHCR1	CCHCR1	7.1177	7.009375	6.754941	6.896454	6.911128	6.965147	6.950212	6.95753	6.917792	6.921806	6.706044	6.897192
CCIN	CCIN	6.934064	7.235449	6.837057	6.970266	6.953761	7.020123	6.914649	6.865331	6.98185	6.92959	6.853963	6.866684
CCK	CCK	6.86955	7.064941	6.814042	6.912731	6.927465	6.827215	6.806715	6.785292	6.79889	6.772768	6.64499	6.765838
CCKAR	CCKAR	6.826307	7.011064	6.818733	6.982639	6.915539	6.927672	6.943126	6.984255	7.075384	6.878245	6.780774	6.753474

CCKBR	CCKBR	8.386114	8.296481	10.44897	8.663098	7.55316	7.088131	6.860517	6.950468	6.801449	6.879229	6.76868	6.816819
CCL1	CCL1	6.820334	6.982923	6.67894	7.002261	6.963672	6.977168	6.848564	6.909321	6.8923	6.920265	6.736482	6.799459
CCL11	CCL11	6.83268	6.958096	6.803281	6.98835	6.920383	6.945805	6.795401	6.829958	6.783238	7.014509	6.853557	6.74563
CCL13	CCL13	6.969695	7.171161	6.901745	7.13153	7.08329	7.244965	7.007597	7.091773	6.997798	7.102598	6.948036	6.873482
CCL14	CCL14	6.95348	7.183028	6.851516	7.116603	6.996059	7.075927	7.038715	6.999963	6.995156	7.102799	6.748335	6.974901
CCL15	CCL15	6.821686	6.973103	6.78093	6.932111	6.827433	6.995593	6.851757	6.911193	6.838237	6.954086	6.732301	6.821909
CCL16	CCL16	7.018664	7.19571	7.029075	7.010896	6.968222	7.180665	7.039029	6.950457	6.962405	6.985193	6.853922	6.842604
CCL17	CCL17	6.846947	7.025383	6.710743	6.935153	6.791207	6.93186	6.713675	6.909306	6.807801	6.861815	6.7322	6.878001
CCL18	CCL18	7.006291	7.09245	6.94959	7.149835	6.93811	7.062276	7.004211	6.991093	7.054614	6.973219	6.9257	6.860353
CCL19	CCL19	6.914063	7.069453	6.928549	7.108308	6.970495	7.162787	6.844842	7.023038	6.949127	7.033662	6.900279	6.83295
CCL2	CCL2	7.558906	7.427491	8.048903	9.65094	9.018037	10.54676	10.86369	11.68118	11.92019	11.53739	12.30291	10.24118
CCL20	CCL20	7.004012	7.322866	6.797096	7.229335	7.006202	7.116619	6.956934	7.028834	7.131371	7.105411	6.908439	7.049314
CCL21	CCL21	6.902104	7.082223	6.817666	7.094883	6.948753	7.120787	7.26708	7.519289	7.190252	7.672483	7.934691	7.45026
CCL22	CCL22	6.809733	7.058908	6.778682	7.04326	6.90304	7.066939	6.836346	6.875226	6.85699	6.928277	6.744581	6.835691
CCL23	CCL23	7.161166	7.455433	7.090343	7.368353	7.220992	7.269958	7.235089	7.109263	7.184303	7.290629	6.963286	7.076742
CCL24	CCL24	6.768394	7.040711	6.758417	6.855711	6.858298	6.869691	6.792548	6.821831	6.895084	6.861567	6.777495	6.777181
CCL25	CCL25	6.947642	7.088469	6.964269	7.109521	6.945454	7.091408	6.948175	7.016592	6.948593	6.895311	6.848154	6.958291
CCL26	CCL26	8.327794	7.791877	7.112871	7.211467	7.028333	7.060953	7.071119	7.124761	7.060692	7.117068	7.132089	6.98214
CCL27	CCL27	6.964031	7.079202	6.821774	7.100745	6.975989	6.958565	6.848708	6.945403	6.934838	7.078517	6.761676	6.889389
CCL28	CCL28	6.982056	7.104606	6.847712	7.125022	7.056308	7.066035	6.938269	6.984987	7.00034	7.022914	6.844465	6.901909
CCL3	CCL3	6.907558	7.046563	6.784528	7.093821	6.949744	6.996106	6.787948	6.958171	6.971848	7.110855	6.944417	6.837172
CCL3L1	CCL3L1	6.859136	7.052234	6.821914	7.032967	6.878116	7.081847	6.884516	6.960105	6.956126	7.104332	6.995873	6.889023
CCL3L3	CCL3L3	6.919533	7.179251	6.890917	7.154646	6.944534	7.222559	7.027852	7.101368	7.077411	7.326951	7.141442	6.932908
CCL4	CCL4	6.784125	6.967203	6.768919	7.003408	6.866322	6.916756	6.866117	6.86236	6.85082	6.925835	6.689815	6.855647
CCL4L1	CCL4L1	6.878004	7.091782	6.931214	7.644959	7.116688	7.445669	7.45651	7.225039	7.266433	7.332878	7.183798	6.966808
CCL5	CCL5	6.922422	7.03877	6.898032	7.027014	6.948084	7.037341	6.926113	7.004848	7.008741	7.013485	6.852059	6.941347
CCL7	CCL7	6.852687	6.964662	6.756357	7.444095	6.975887	7.278169	7.470904	7.332343	7.307505	7.084689	7.273816	7.378272
CCL8	CCL8	6.777067	6.954022	6.845083	6.987315	6.91073	7.010006	7.031973	6.904193	6.962772	6.950781	6.710288	6.896501
CCM2	CCM2	9.123698	9.35609	8.926058	9.214582	9.145902	9.416932	9.295339	9.276583	9.28562	9.293676	9.37921	9.391548
CCNA1	CCNA1	7.672026	7.43574	6.925379	7.09314	7.124207	7.183102	7.009992	7.16239	7.182506	7.319472	7.235698	7.036588
CCNA2	CCNA2	10.95528	11.49996	10.96078	10.50844	10.01401	10.21682	9.468018	9.498614	9.480282	9.168522	8.787719	8.227184
CCNB1	CCNB1	10.01504	10.66184	10.11897	9.921417	9.634854	9.327443	8.930181	8.411592	9.020865	8.714642	7.752425	7.653006
CCNB1IP1	CCNB1IP1	10.87909	10.77829	10.02473	10.03324	9.977721	10.36192	9.901046	9.857004	9.93284	9.969113	9.663217	9.575278
CCNB2	CCNB2	11.91374	12.32997	12.02973	11.79109	11.27897	10.98239	10.4585	10.3522	10.30647	10.06132	9.478323	8.352599
CCNB3	CCNB3	6.848873	7.043635	6.768299	7.019058	6.889431	7.0528	6.967357	7.017129	6.994939	7.019769	6.829116	6.900059
CCNC	CCNC	10.10296	10.41574	9.67469	9.568763	9.059758	9.593091	8.978973	9.153411	9.091276	9.002946	9.121362	8.569806

CCND1	CCND1	11.88256	12.41659	11.50985	11.88358	10.81202	11.99279	12.14468	12.55974	12.53947	12.73256	13.00241	12.85121
CCND2	CCND2	12.01301	11.59302	11.64992	12.18092	12.97156	13.70014	12.71776	12.76574	12.48566	12.36709	12.13689	12.23718
CCND3	CCND3	10.87339	10.46351	9.794886	11.02378	11.47251	11.71185	11.7673	11.96517	11.92654	12.01093	11.40613	11.59288
CCNDBP1	CCNDBP1	8.957227	9.541984	9.263633	9.509177	9.710708	11.02033	10.51985	10.8284	10.66551	10.95209	10.91762	10.60926
CCNE1	CCNE1	9.293788	9.361727	8.853562	8.833319	8.464231	8.223476	7.973236	8.148624	7.86116	7.938904	7.75159	7.446058
CCNE2	CCNE2	7.644397	7.779062	8.30669	8.242762	7.603217	7.784802	7.688305	7.766984	7.722079	7.758067	7.252958	7.108617
CCNF	CCNF	10.63719	10.82074	9.99676	10.15976	9.699084	8.810241	8.554587	8.591199	8.432715	8.287109	8.108127	7.766372
CCNG1	CCNG1	10.96928	11.08007	10.95163	10.6479	10.519	10.58985	10.36538	10.28942	10.45783	10.39625	10.23552	10.11596
CCNG2	CCNG2	8.04489	7.909438	8.097145	8.292193	8.367253	7.728292	7.630702	7.495888	8.14037	7.583645	7.613192	7.759253
CCNH	CCNH	8.698201	8.748813	8.208787	8.202165	8.301097	9.364782	8.771725	8.546636	8.897614	8.783157	8.678378	8.670352
CCNI	CCNI	13.35152	13.45427	13.33073	13.55716	13.37421	13.4419	12.98219	13.41963	13.20167	13.37125	13.33838	13.26764
CCNJ	CCNJ	7.739823	8.108837	7.813995	8.02793	7.845228	7.830596	7.557566	7.385636	7.308923	7.176396	7.106614	7.125184
CCNK	CCNK	10.37825	10.76035	9.831531	10.25984	10.07812	10.52957	9.856237	9.777526	9.871171	9.698832	9.860696	9.514083
CCNL1	CCNL1	9.129849	9.354545	9.336196	9.509772	9.196297	9.786738	8.623241	8.732029	8.719978	8.57136	8.417583	8.244305
CCNL2	CCNL2	7.320379	7.49233	7.203644	7.447058	7.401763	7.401067	7.362183	7.482701	7.423336	7.443622	7.309686	7.198554
CCNT1	CCNT1	7.552167	8.092682	7.636437	7.957418	7.620285	7.840132	7.540476	7.653612	7.697849	7.559384	7.26512	7.56564
CCNT2	CCNT2	7.996576	8.353437	8.183299	8.585449	8.308387	8.608943	8.093493	8.222737	8.085442	8.079054	7.705088	7.757616
CCNY	CCNY	10.92841	10.8466	10.71801	10.91553	11.30034	11.43961	10.77512	10.85372	10.72532	10.49667	10.51954	10.88003
CCNYL1	CCNYL1	8.948772	8.982269	7.984109	8.084438	7.887586	8.325182	7.687574	7.868945	7.764919	7.756679	7.777073	7.71363
CCPG1	CCPG1	7.370206	7.612405	7.765773	7.99961	8.241682	9.25972	8.91307	9.253867	9.186043	9.401484	9.335506	9.721125
CCR1	CCR1	6.841614	7.047919	6.854338	7.056089	6.972115	6.974806	6.897935	6.881384	6.895481	6.922128	6.872553	6.857337
CCR10	CCR10	6.880566	7.079532	6.71096	6.975513	7.02366	7.137669	6.888544	7.035577	6.878992	7.078033	6.868342	6.97122
CCR2	CCR2	6.876816	7.084759	6.769749	6.990357	6.924535	6.929218	6.863316	6.924262	6.919874	6.912623	6.753947	6.877122
CCR3	CCR3	6.852885	7.012231	6.845717	6.974832	6.913947	7.057489	6.823044	6.901058	6.893402	6.900268	6.76063	6.852112
CCR4	CCR4	6.747405	7.002532	6.73215	6.962966	6.789214	6.727172	6.730424	6.85512	6.780719	6.799905	6.743351	6.738557
CCR5	CCR5	6.831209	7.027259	6.808275	6.979192	6.899793	6.914611	6.849415	6.871988	6.851803	6.940491	6.7783	6.814023
CCR6	CCR6	12.52858	13.29431	12.8413	13.23135	13.18888	13.00721	13.22764	12.82809	13.11233	12.87488	12.39054	12.75627
CCR7	CCR7	6.970554	7.295046	7.165881	6.974445	6.782764	7.041306	6.918955	7.030512	6.834919	6.765963	6.863452	6.854417
CCR8	CCR8	6.824875	6.99677	6.73818	6.83233	6.937444	6.792449	6.7806	6.977592	6.732386	6.840615	6.657273	6.798909
CCR9	CCR9	6.873063	7.105491	6.844805	7.020587	7.007368	7.073205	6.97115	6.949776	7.003177	7.029597	6.845216	6.950105
CCRK	CCRK	7.386412	7.804654	7.69697	8.263164	9.126819	8.983895	8.366647	8.33347	8.320138	8.21697	7.919595	7.88326
CCRL1	CCRL1	6.85789	7.052682	6.774961	7.03476	6.941913	6.985926	6.887844	6.975675	6.909366	7.00065	6.873176	6.878448
CCRL2	CCRL2	6.806246	7.055001	6.821356	7.003328	6.908684	6.927913	6.839415	7.052358	6.822847	6.968737	6.714485	6.8741
CCRN4L	CCRN4L	9.360602	10.10872	8.636228	8.3259	7.867864	8.736261	7.980416	7.827821	7.990816	7.869427	8.142529	8.083722
CCS	CCS	8.082858	8.354143	7.708829	8.091193	8.016738	8.251963	8.155691	8.164673	8.076726	8.229093	7.864201	7.93239
CCT2	CCT2	12.74562	12.92542	12.7384	12.82633	12.15825	13.33547	12.08546	12.1836	11.97444	11.82428	11.82133	11.61203

CCT3	CCT3	11.17653	11.65906	11.06459	11.08008	10.47936	11.19176	10.46881	10.69105	10.349	10.43589	10.662	10.4604
CCT4	CCT4	9.205362	9.301762	8.789026	9.004925	8.626665	9.322936	8.466241	8.462979	8.311805	8.464597	8.312147	8.293612
CCT5	CCT5	8.112456	9.063359	8.542913	8.623786	8.339559	8.742321	7.989328	7.972758	7.977272	7.856794	7.647818	7.714924
CCT6A	CCT6A	10.67293	11.06976	10.56542	10.75816	10.11941	10.95888	10.29085	10.27695	10.28857	10.21481	10.24707	10.06266
CCT6AP1	CCT6AP1	11.45225	11.81611	11.40641	11.47414	10.75892	11.2522	10.77031	10.43497	10.76723	10.59169	10.54695	10.65426
CCT6B	CCT6B	7.416682	7.667904	7.653542	7.855337	7.926564	8.617524	8.172086	8.039338	8.09134	7.814196	7.45089	7.539801
CCT7	CCT7	11.96893	12.16883	11.76159	11.68898	11.39999	12.15721	11.36072	11.55431	11.36747	11.44143	11.43988	11.35639
CCT8	CCT8	13.16244	13.26458	13.00183	12.96495	12.69813	13.1759	12.56969	12.79151	12.83172	12.58176	12.69119	12.42311
CD109	CD109	6.883073	7.066575	6.900852	6.991187	6.954516	6.996049	6.91224	6.942518	6.817328	6.968513	6.756285	6.771089
CD14	CD14	7.165858	7.123047	7.043044	8.209581	7.723459	8.402069	8.601933	8.608622	8.431414	8.052948	7.705644	7.146782
CD151	CD151	10.66392	11.29464	11.00145	11.60408	11.57082	11.89668	11.91692	12.28896	12.20592	12.47113	12.61797	12.37126
CD160	CD160	7.096428	7.129653	6.912816	7.146495	7.106769	7.393841	7.326388	7.295081	7.210906	7.50491	7.181472	7.362554
CD163	CD163	6.959045	7.030996	6.826936	7.034776	6.971754	6.949187	6.881261	6.974254	6.935115	6.96027	6.819345	6.859178
CD164	CD164	7.476208	7.895114	7.598898	8.242065	8.304163	8.390818	8.714262	8.088447	8.557264	8.24213	8.154614	8.568456
CD164L2	CD164L2	6.972719	6.996407	6.682037	6.900333	6.773492	6.895005	6.734055	6.864418	6.818053	6.799917	6.657557	6.767395
CD177	CD177	6.868699	7.073218	6.853163	7.041895	7.073159	6.982308	6.896888	6.911027	6.973045	6.878611	6.798957	6.827749
CD180	CD180	6.84023	7.110056	6.86868	7.113796	7.006608	7.120435	6.989037	6.967378	6.981956	7.067874	6.871175	6.886757
CD19	CD19	6.955658	7.044933	6.745085	6.972532	6.844798	6.887724	6.80475	6.903386	6.713805	6.955285	6.690083	6.798518
CD1A	CD1A	6.858759	7.037118	6.713453	7.077306	6.871901	6.933657	6.863241	6.865934	6.89214	6.874381	6.804908	6.764871
CD1B	CD1B	6.807314	6.904904	6.698009	6.891169	6.91149	6.86482	6.797365	6.780718	6.900527	6.867151	6.669069	6.78549
CD1C	CD1C	6.975081	7.122248	6.961412	7.116901	7.066871	7.280071	7.066278	7.021745	6.947434	7.119784	6.792917	7.019886
CD1D	CD1D	7.49757	7.846913	9.173246	7.584487	7.115996	7.408501	7.323157	7.416628	7.230427	7.419796	7.161535	6.99512
CD1E	CD1E	6.866836	7.131131	6.832192	7.041239	6.963815	7.007445	6.90826	6.887186	6.917188	6.998791	6.84129	6.843657
CD2	CD2	6.831132	6.965847	6.737514	6.955046	6.805789	6.89911	6.859106	6.954762	6.858247	6.896529	6.744819	6.748569
CD200	CD200	7.848768	7.902658	7.645413	7.437966	7.588868	7.682399	7.42576	7.470945	7.480097	7.299226	7.317617	7.123938
CD200R1	CD200R1	6.869817	6.9673	6.744682	6.993647	6.945706	6.927588	6.918958	6.970561	6.867277	6.926188	6.729057	6.8022
CD200R2	CD200R2	6.780805	7.232654	6.820174	6.968018	6.796113	7.020872	6.795308	6.941839	6.792744	6.915615	6.743697	6.856105
CD207	CD207	6.958212	7.106317	6.81203	6.952866	6.92032	6.959195	6.842728	6.926328	6.840094	6.796396	6.791972	6.825681
CD209	CD209	6.868056	7.032262	6.777822	7.065535	6.949823	7.033354	6.88512	6.893376	6.873659	6.886525	6.839882	6.847258
CD22	CD22	6.901374	6.962283	6.732872	6.983592	6.917807	7.000103	6.858912	6.975785	7.027201	6.943755	6.711006	6.878546
CD226	CD226	6.884807	7.155962	6.894454	7.059928	6.890035	6.921251	6.881492	6.933996	6.881576	6.904985	6.727235	6.831355
CD24	CD24	13.88729	14.22553	12.44909	13.093	12.15493	11.0525	9.937222	9.308334	10.23652	8.115462	8.953389	7.820472
CD244	CD244	6.784503	7.00023	6.799457	7.259154	7.008872	7.033148	6.893126	6.998894	6.898756	6.964806	6.783515	6.975611
CD247	CD247	7.478452	7.509088	7.045321	7.099931	7.045345	7.438819	7.12137	7.177383	7.254316	7.18311	6.882108	6.974205
CD248	CD248	7.356899	7.300587	7.107177	8.897233	9.748043	7.78144	8.248211	8.143912	9.010716	7.993838	8.23533	8.141378
CD274	CD274	6.782964	7.111869	6.778201	7.030777	6.909381	6.867946	6.83365	6.922611	6.957794	6.971176	6.921107	6.934324

CD276	CD276	7.845788	8.210177	7.561946	8.167896	8.133046	7.91368	7.778984	8.032033	7.737025	7.835766	8.47991	8.095633
CD28	CD28	6.938742	7.165638	6.76384	7.145678	6.952372	6.973124	6.945549	6.882161	6.915262	6.955691	6.868765	6.903719
CD2AP	CD2AP	8.62454	8.94725	8.003179	8.29611	7.916175	8.149843	7.827605	7.616542	7.552843	7.655621	7.341172	7.70745
CD2BP2	CD2BP2	9.941075	10.93281	10.74117	10.74274	10.86031	10.80545	10.32926	10.36876	10.50071	10.50421	10.3532	10.13855
CD300A	CD300A	6.881218	7.040803	6.741497	7.005112	7.040016	6.946054	6.893761	6.888266	6.792552	6.825	6.715063	6.794148
CD300C	CD300C	6.935566	7.066734	6.793771	7.059972	6.895545	6.852038	6.87583	6.976944	6.821167	6.808333	6.783086	6.91465
CD300E	CD300E	6.904499	7.1808	6.868074	7.027997	7.033864	7.111401	6.966314	6.987593	7.015251	6.986302	6.887554	6.920436
CD300LB	CD300LB	6.838613	6.934481	6.705929	6.920256	6.951954	6.788362	6.83913	6.905507	6.864911	7.070294	6.795184	6.876481
CD300LF	CD300LF	6.866769	7.010003	6.765835	6.953885	6.834751	6.980446	6.719953	6.897021	6.813517	6.941991	6.680864	6.749069
CD300LG	CD300LG	7.396509	7.758045	7.398958	7.70487	7.460187	7.696982	7.319149	7.247154	7.296449	7.362265	7.101249	7.152759
CD302	CD302	6.921983	7.123926	6.832347	7.060091	6.999906	7.004495	6.923893	7.062406	6.950274	6.924989	6.818897	6.997028
CD320	CD320	9.575859	9.296726	8.865523	9.041926	9.052652	9.385011	8.888137	9.049678	8.782107	9.035964	9.184792	8.650407
CD33	CD33	6.887838	6.922684	6.826036	6.924189	6.790946	6.881121	6.855474	6.87996	6.839709	6.856036	6.76376	6.776131
CD33L3	CD33L3	6.817682	7.052182	6.734142	7.005809	6.949744	6.999355	6.866528	6.9845	6.980148	6.87747	6.751086	6.835675
CD34	CD34	6.945112	7.169525	6.854366	7.271286	7.442707	7.018561	6.888104	6.9867	7.032073	6.99812	6.89499	6.907315
CD36	CD36	6.876508	7.337793	6.795296	7.043486	7.027022	7.117433	7.049363	7.341563	7.249465	7.609051	7.078758	8.005296
CD37	CD37	6.827715	7.05775	6.818016	6.989929	6.885747	7.044376	6.842033	6.924473	6.872681	6.89523	6.857764	6.79459
CD38	CD38	6.771232	6.900176	6.769198	6.976121	6.836914	6.78514	6.713183	6.894475	6.829845	6.859046	6.650471	6.699007
CD3D	CD3D	6.834172	7.168543	6.837989	7.007116	6.907272	6.969412	6.884294	6.928711	6.897605	6.920529	6.796797	6.857745
CD3E	CD3E	7.105252	7.022663	6.755931	7.092907	6.890848	7.05717	6.899967	7.015849	6.910865	7.033452	6.816473	6.835567
CD3EAP	CD3EAP	8.071274	8.208792	7.480288	7.552781	7.3236	7.376608	7.221297	7.257391	7.254633	7.300492	6.964347	7.233107
CD3G	CD3G	6.846372	7.238573	6.906105	7.100685	7.023334	7.123946	6.943197	7.031782	6.979925	7.039962	6.861567	7.034157
CD4	CD4	6.977356	7.126051	6.907275	6.979546	7.03771	6.914141	6.864975	6.981211	6.836486	6.930781	6.835418	6.877957
CD40	CD40	7.216889	7.177976	6.953394	6.955025	6.901841	6.921722	6.793265	6.859391	6.867404	6.794023	6.730649	6.774797
CD40LG	CD40LG	6.856116	7.096458	6.81351	6.992303	6.884498	6.984398	6.777979	6.982293	6.815221	6.835381	6.70363	6.77899
CD44	CD44	7.372006	8.515233	7.916014	7.949781	8.022613	7.905785	8.499092	9.319775	9.61983	9.761828	11.10278	10.64935
CD46	CD46	9.769746	9.553579	9.294622	9.660947	9.643154	9.861049	9.400279	9.69419	9.624706	9.440193	9.529492	9.545274
CD47	CD47	7.576612	7.678054	7.330808	8.24784	8.835693	8.431108	8.255657	8.428983	8.420058	8.287503	8.121589	8.090266
CD48	CD48	6.972101	7.052493	6.940569	7.334956	7.454935	7.149925	6.883652	6.962906	6.864522	6.981015	6.89777	6.902098
CD5	CD5	7.003843	7.085202	6.90853	7.126089	6.885447	6.987607	6.848667	6.982407	6.93253	6.97606	6.835174	6.79466
CD52	CD52	7.113759	7.702436	7.297294	7.598545	7.745272	7.333149	7.161304	7.072235	6.997816	7.081871	6.920763	6.98482
CD53	CD53	6.854243	7.098257	6.794033	6.940882	6.917282	6.941651	6.872188	6.875683	6.87773	6.907708	6.78475	6.806498
CD55	CD55	8.707359	9.393116	8.443291	8.711783	8.143215	8.485222	8.529303	8.956994	9.070974	9.212854	10.07907	9.281375
CD58	CD58	8.18628	8.363247	7.944361	8.21568	8.212541	9.643822	9.260958	9.584184	9.70134	9.758462	9.858906	8.991227
CD59	CD59	7.093898	7.363991	7.159792	7.71289	7.726808	7.960251	7.908127	8.277994	8.336732	8.545019	9.22649	8.771472
CD5L	CD5L	6.854575	7.10908	6.756245	7.000887	6.859508	6.946138	6.88046	6.897289	6.78272	6.873881	6.764994	6.699762

CD6	CD6	6.87888	7.104473	7.012231	7.031329	7.035209	6.830648	6.910869	6.966201	6.958423	6.937424	6.780904	6.777332
CD63	CD63	8.995529	10.03005	9.331446	9.562612	9.508965	10.31221	10.11979	9.876675	10.18619	10.3158	10.57153	10.51134
CD68	CD68	7.935263	8.667538	8.157993	8.546446	8.487991	8.474385	8.497664	7.896004	8.30818	8.101634	7.895393	8.191287
CD69	CD69	6.9166	7.117472	6.84631	7.106054	7.028547	6.993169	6.915261	6.981494	6.901992	6.972638	6.803186	6.865581
CD7	CD7	7.158184	7.282673	6.960504	7.442632	7.498488	7.051711	6.814535	6.937494	6.844905	6.961985	6.811403	6.974591
CD72	CD72	7.300046	7.520216	7.029982	7.2749	7.082917	7.278875	7.057778	7.156531	7.268269	7.242143	6.9912	7.139147
CD74	CD74	7.673941	7.746822	6.961886	7.590287	7.478821	7.287991	7.013376	7.05327	7.046059	6.94044	6.826031	6.921293
CD79A	CD79A	6.937669	7.078652	6.852772	7.089274	6.990782	7.264801	6.89626	7.012818	6.898513	6.954923	6.786334	6.856182
CD79B	CD79B	7.199111	7.33293	7.02592	7.187524	7.075508	7.3563	7.259812	7.17263	7.375843	7.338885	6.987165	7.014641
CD80	CD80	6.884798	7.129399	6.822452	7.030536	6.990194	6.940836	6.870648	6.940327	6.851973	6.972085	6.840921	6.940822
CD81	CD81	13.74461	14.06418	13.65804	13.77653	13.9453	14.3882	14.31066	14.49453	14.51996	14.48461	14.2676	14.47137
CD82	CD82	7.063003	7.361657	7.050274	7.343888	7.672393	7.546495	7.279772	7.402973	7.329291	7.390988	7.447307	7.638429
CD83	CD83	8.364519	8.395955	7.760907	8.403633	9.777235	7.839073	7.491207	7.543027	7.643802	7.27768	7.12599	7.240383
CD84	CD84	6.968132	7.10785	6.866891	7.097109	7.004644	7.21392	6.990544	7.094439	7.030204	7.032206	6.891751	7.027853
CD86	CD86	7.030993	7.202206	6.902624	7.141391	7.036888	7.03432	6.96279	7.009254	6.941758	7.083236	6.873116	6.942265
CD8A	CD8A	6.952409	7.298897	6.794619	7.03465	6.890845	6.951207	6.885764	6.96487	6.905577	6.841511	6.748686	6.857266
CD8B	CD8B	6.819222	7.106642	6.788914	7.006483	6.973163	7.007444	6.867056	6.932359	6.874467	6.96966	6.735229	6.783968
CD8B1	CD8B1	6.817312	6.985146	6.767013	7.023189	6.883437	6.853612	6.844785	6.928217	6.851221	6.91083	6.72541	6.800851
CD9	CD9	9.301401	9.44046	8.366035	7.588956	7.906714	7.493021	7.661588	7.878479	8.325757	8.063677	8.428979	7.906205
CD96	CD96	6.933391	7.084642	6.903806	6.975629	6.966803	7.112025	6.95362	6.998885	6.971788	6.919297	6.799436	6.91099
CD97	CD97	6.981637	7.167403	6.842103	7.093778	7.033592	7.016508	6.910344	7.040567	7.064179	7.055045	7.181888	6.963683
CD99	CD99	7.931133	8.297029	8.025733	9.810907	9.370084	9.396178	9.350779	9.381268	9.23131	9.400887	9.755125	9.099453
CD99L2	CD99L2	8.619795	9.098045	8.991737	10.09218	10.79171	10.92842	10.8613	10.90954	10.85982	11.01369	10.73917	11.02083
CDA	CDA	7.457007	7.499384	7.638812	7.239626	7.202459	7.256349	7.25672	7.179797	7.452817	7.218666	7.066625	7.271911
CDA08	CDA08	9.101255	9.559217	9.679938	10.04109	10.15414	11.13424	10.80865	11.03893	10.89484	10.95111	11.04236	11.14696
CDADC1	CDADC1	6.826403	7.086096	6.940302	7.119927	7.062113	7.09184	7.058682	7.121889	7.058943	7.149679	6.858852	7.055644
CDAN1	CDAN1	10.96663	11.79994	11.23741	11.7725	11.63538	11.48646	11.6923	11.12508	11.54857	11.14802	10.56115	11.29813
CDC14A	CDC14A	7.099744	7.312737	7.088886	7.35036	7.132387	7.289743	7.065649	7.149451	7.018565	7.046192	6.836793	6.980007
CDC14B	CDC14B	10.36121	11.20681	10.4566	10.42371	10.4896	11.39579	10.91324	10.76785	10.82984	10.9616	10.7047	10.8795
CDC14C	CDC14C	6.937557	7.261368	7.02975	7.204659	7.110983	7.298743	7.137339	7.205094	7.18828	7.138432	6.992977	7.05069
CDC16	CDC16	11.74177	12.62911	11.62102	11.84577	11.7443	11.9473	11.38021	11.09416	11.2859	11.03945	10.677	10.92068
CDC2	CDC2	9.986671	10.6043	10.34563	10.63527	10.15159	9.985638	9.756534	9.584465	10.02833	9.646806	8.900778	8.080062
CDC20	CDC20	12.76488	12.96138	12.09917	11.81519	11.34781	11.76818	10.792	10.46154	10.81136	10.59748	9.580868	8.737781
CDC23	CDC23	10.80223	11.21825	10.88148	11.04102	10.90592	11.16292	10.45703	10.38709	10.32551	10.14345	9.568439	9.930474
CDC25A	CDC25A	9.635506	10.17146	9.256177	9.133284	8.622788	8.828329	8.172265	8.01437	7.817573	7.934325	7.514517	7.140878
CDC25B	CDC25B	8.482833	8.405705	8.145473	8.681791	8.855166	8.584624	8.392253	8.577394	8.588245	8.64403	8.751342	8.119928

CDC25C	CDC25C	8.855074	9.204669	8.979798	8.833174	8.356823	8.331849	7.726997	7.737809	7.564427	7.579787	7.193293	6.977081
CDC26	CDC26	11.69015	12.25111	11.56078	11.39522	11.3049	11.45547	11.12186	10.84999	11.31843	11.03073	10.77233	10.69572
CDC27	CDC27	6.882411	7.107706	6.841215	7.103594	6.897873	7.153871	6.949619	7.016768	7.048847	7.003022	6.819679	6.830115
CDC2L1	CDC2L1	7.653759	7.678421	7.405272	7.673409	7.367778	7.522295	7.335707	7.419343	7.354486	7.437603	7.179541	7.357191
CDC2L2	CDC2L2	7.716948	8.020152	7.43278	7.631358	7.520949	7.791524	7.57003	7.40835	7.522721	7.427149	7.182608	7.510943
CDC2L5	CDC2L5	9.005361	9.63505	8.94978	9.328837	9.100015	9.044281	8.86303	8.661604	8.805883	8.616168	8.236548	8.614919
CDC2L6	CDC2L6	8.709369	9.104211	8.926935	9.792453	10.21584	9.910173	9.709136	9.565198	9.816631	9.243213	8.878626	9.13066
CDC34	CDC34	9.098731	9.432244	8.613286	9.077193	9.11581	9.797124	9.431651	9.467482	9.136265	9.346462	9.416004	9.118203
CDC37	CDC37	13.38976	13.72221	13.07612	13.28496	13.1742	13.31348	13.02428	12.93948	13.01721	12.89324	12.76452	12.82562
CDC37L1	CDC37L1	6.996585	7.301587	7.046604	7.155418	7.110501	7.211001	7.239361	7.241809	7.297977	7.322959	7.196502	7.335424
CDC40	CDC40	10.31034	10.37754	9.88533	10.05549	10.19505	10.33426	9.635718	9.681695	9.556992	9.431501	9.232183	9.33905
CDC42	CDC42	8.220036	8.988128	8.465063	8.655506	8.587239	8.845719	8.711092	8.4736	8.75612	8.699426	8.599595	8.803009
CDC42BP/	CDC42BP/	7.415036	8.095582	7.339054	7.519544	7.339774	7.284149	7.162289	7.211241	7.282902	7.291141	7.262085	7.362785
CDC42BPI	CDC42BPI	8.601621	8.928062	8.447208	8.866167	8.740517	8.812168	8.546359	8.585322	8.609914	8.519989	8.773444	8.465815
CDC42BP(	CDC42BP(	6.84677	7.112316	6.843577	6.977931	6.879316	7.024583	6.806572	6.940336	6.852916	6.872303	6.659959	6.769859
CDC42EP1	CDC42EP1	7.115083	7.767577	7.462539	7.595544	7.547564	7.375602	7.19398	7.241428	7.379318	7.233299	7.2252	7.277725
CDC42EP2	CDC42EP2	7.85252	7.811936	7.064117	7.613653	7.621583	7.849336	7.339128	7.422132	7.48056	7.351445	7.349983	7.370116
CDC42EP3	CDC42EP3	7.300888	7.510142	7.219304	7.676046	7.450861	8.630587	8.055037	8.722168	8.29401	8.676123	8.72328	8.048944
CDC42EP4	CDC42EP4	9.154143	10.39024	10.60664	10.51509	10.79194	9.783226	9.75163	10.04686	10.16424	9.865901	10.08434	9.33895
CDC42EP5	CDC42EP5	7.6705	7.460095	7.030086	8.611904	10.0818	9.314636	9.764494	9.621857	9.920473	9.006476	8.891819	8.109798
CDC42SE1	CDC42SE1	8.432538	8.809661	8.330178	8.919534	8.459347	8.574594	8.263199	8.100538	8.133385	8.025832	7.79072	7.810653
CDC42SE2	CDC42SE2	8.852589	9.15587	8.8863	9.043753	8.81791	8.85423	8.613139	8.496304	8.741373	8.454283	8.145177	8.409943
CDC45L	CDC45L	10.73477	10.97547	10.66482	10.41136	10.01617	9.810561	9.596493	9.311775	9.306097	9.155504	8.440569	7.862422
CDC5L	CDC5L	9.063107	9.48278	9.462033	9.691873	9.300602	9.618008	9.456283	9.320441	9.523428	9.352949	9.102756	9.365285
CDC6	CDC6	7.527474	7.816066	7.251208	7.332152	7.188165	7.162452	7.053271	7.123587	6.994542	7.111018	6.87112	6.940795
CDC7	CDC7	9.503835	10.10341	9.555968	9.529868	8.730018	8.389175	8.148103	8.047529	8.141359	7.948324	7.579245	7.313847
CDC73	CDC73	7.141045	7.320669	6.980518	7.205607	7.044275	7.269313	7.108876	7.12311	7.177415	7.148669	7.084091	7.162171
CDC91L1	CDC91L1	9.536241	9.689861	9.21243	9.562388	9.395079	9.57371	9.360788	9.157442	9.409385	9.271156	8.801366	9.301375
CDCA1	CDCA1	7.395285	7.70344	7.372605	7.506579	7.466085	7.643462	7.477096	7.400355	7.523885	7.264379	7.010639	6.878201
CDCA2	CDCA2	9.002809	9.388076	9.152472	8.847132	8.092371	7.950486	7.846328	7.863457	7.556804	7.611523	7.180486	7.256902
CDCA3	CDCA3	9.006157	9.595708	9.209927	9.206075	8.826344	9.012133	8.67442	8.64675	8.820123	8.577975	7.963625	7.365943
CDCA4	CDCA4	9.475119	9.482502	9.388218	9.502759	8.869948	8.256595	7.931765	7.963569	7.930302	7.961892	7.842358	7.765081
CDCA5	CDCA5	11.61282	11.77186	11.0707	10.80777	10.23362	9.733305	9.232039	9.229986	8.891774	8.925904	8.526343	7.605229
CDCA7	CDCA7	11.08237	11.20199	11.11072	10.76834	9.699618	9.038272	8.574055	8.415756	8.5664	8.286235	7.590784	7.263812
CDCA7L	CDCA7L	9.715319	9.641357	8.5581	7.915902	7.951114	8.160928	8.014978	8.261131	7.794547	8.060758	7.62729	7.655594
CDCA8	CDCA8	9.779713	10.06062	9.635209	9.836565	9.207269	8.919925	8.503938	8.591149	8.265741	8.272671	8.058115	7.320863

CDCP1	CDCP1	7.459457	7.795202	7.212177	7.18139	7.068037	6.993718	6.902261	6.987359	6.920348	7.017841	6.965248	7.303687
CDCP2	CDCP2	6.758459	7.036372	6.836261	6.84207	6.906919	6.952165	6.819576	6.874799	6.871677	6.959482	6.711005	6.763631
CDGAP	CDGAP	6.78153	7.075354	6.92903	7.171966	7.281473	7.673061	7.401759	7.436458	7.356613	7.604569	7.118532	7.385388
CDH1	CDH1	11.54832	12.50627	10.72008	10.37642	10.23295	7.447096	6.994799	7.26545	8.094017	7.232123	7.412348	6.797802
CDH10	CDH10	6.803896	7.23827	9.408669	9.237396	9.129107	10.5085	10.45225	10.41756	10.57011	10.10541	9.217047	8.8551
CDH11	CDH11	7.420366	8.070765	11.66035	12.55659	11.90592	10.64953	10.87098	11.02209	11.40307	10.84851	11.82232	11.24261
CDH12	CDH12	6.813206	6.967883	6.886956	7.105119	7.741579	6.874692	6.945589	6.969539	7.087775	6.987176	6.876208	6.779982
CDH12P	CDH12P	7.011961	7.173753	6.934552	7.143995	6.99413	7.056585	6.945579	7.079853	6.938055	6.985048	6.735583	6.815503
CDH13	CDH13	7.114829	7.157404	7.087985	8.185344	7.508746	7.478351	7.826906	8.127918	8.397771	8.27254	8.860404	8.240317
CDH15	CDH15	7.313578	7.380193	6.985826	7.288959	7.094421	7.047801	6.944884	7.199483	8.697709	8.309631	6.96313	7.162986
CDH16	CDH16	6.810447	6.95838	6.926533	6.948703	6.944999	7.004286	6.905846	7.018647	6.972281	6.987022	6.772164	6.889831
CDH17	CDH17	6.755001	7.02305	6.799709	7.461749	7.181538	6.990973	6.804642	6.946821	7.546054	6.807372	6.752233	6.843232
CDH18	CDH18	6.854046	7.018436	7.058544	6.993939	6.987402	6.899424	6.899176	6.958051	6.972168	6.875056	6.772768	6.767598
CDH19	CDH19	6.826236	6.974379	6.751554	6.890378	6.82331	6.925136	6.87365	6.941497	6.850052	6.925362	6.888977	6.805011
CDH2	CDH2	11.5521	12.71034	13.40178	13.49888	13.25915	14.16543	13.85289	13.82389	13.60891	13.43028	13.21795	12.95363
CDH20	CDH20	7.01957	7.193445	6.830873	7.08392	6.937174	6.981059	6.942231	6.994322	7.04201	6.956733	6.859708	6.903537
CDH22	CDH22	6.948548	6.991182	6.978709	7.105106	6.900501	6.99317	6.921858	6.911487	6.912774	6.866142	6.801465	6.810411
CDH23	CDH23	6.985051	7.194788	7.266287	7.115824	6.930868	7.046453	7.029788	7.000619	7.047383	7.021325	6.802594	6.858819
CDH24	CDH24	7.032019	7.23895	7.000971	7.33153	7.114246	7.100391	6.932118	6.988718	7.029287	6.97494	6.891971	6.902606
CDH26	CDH26	7.016339	7.211406	6.906184	7.188938	7.010341	7.049911	6.975441	7.058503	6.950519	7.054813	6.881073	6.908613
CDH3	CDH3	10.45021	10.29885	9.357879	10.7278	10.88725	9.350522	8.125717	8.008595	7.879188	7.293335	7.003382	6.920146
CDH4	CDH4	7.454672	7.727255	7.605419	7.484494	7.077531	7.211668	7.09951	6.986914	7.355324	7.106365	7.013757	7.075771
CDH5	CDH5	6.798731	7.042356	6.945391	7.501444	7.916832	6.966535	6.831838	6.946517	7.100508	6.917659	6.796192	6.833958
CDH6	CDH6	7.124934	8.691462	7.38359	8.119638	7.676905	7.085452	7.010246	7.034006	7.29718	7.146589	7.732405	7.522373
CDH7	CDH7	6.947521	7.182073	6.839857	7.213938	7.079338	7.112135	6.938228	6.958429	6.912521	7.011649	6.886537	6.942893
CDH8	CDH8	6.895788	7.01396	6.927505	7.040478	7.021892	7.09389	7.170048	7.207255	7.27481	7.43215	7.101032	7.193194
CDH9	CDH9	7.065407	7.378377	6.922173	7.223135	7.041593	7.072077	6.93147	7.061232	6.944865	7.013599	6.944048	6.854094
CDIPT	CDIPT	7.308288	7.529303	7.206783	7.445409	7.319947	7.773178	7.596523	7.548715	7.498667	7.630273	7.569901	7.486432
CDK10	CDK10	9.297179	9.473954	8.858068	9.350353	9.304806	9.060794	8.868427	8.637908	8.963359	8.743581	8.19112	8.572211
CDK2	CDK2	9.099284	9.468844	9.571104	9.545725	9.312232	9.737854	9.20711	9.248789	8.990672	9.226248	8.82108	8.713081
CDK2AP2	CDK2AP2	7.740934	8.00429	7.427347	7.997672	7.671352	7.90855	7.841849	7.996525	7.946755	8.377881	9.012832	8.457807
CDK3	CDK3	7.138829	7.481867	7.100302	7.331874	7.19434	7.339801	7.190786	7.074125	7.19883	7.037452	6.951014	6.946081
CDK4	CDK4	11.32626	12.07169	11.48823	11.81347	11.60353	11.19372	10.84748	10.88169	11.00085	10.81606	10.76668	10.14082
CDK5	CDK5	8.373457	8.402056	8.260072	9.063007	8.758076	9.160861	8.958408	8.931734	8.958231	8.894273	8.850229	8.608009
CDK5R1	CDK5R1	8.387129	8.394934	8.145868	7.719378	7.549466	7.963232	7.322382	7.314361	8.384364	7.1123	7.007675	7.154596
CDK5R2	CDK5R2	6.839689	6.974668	6.76703	6.990342	6.876679	6.960111	6.981347	6.921426	6.875872	6.872326	6.909713	6.852139

CDK5RAP	CDK5RAP	9.74525	9.935047	9.375864	9.686885	9.348577	10.11254	9.251544	9.172961	9.1009	9.186139	9.009674	9.01054
CDK5RAP	CDK5RAP	9.094906	9.470361	9.086738	9.464664	9.116132	9.195931	8.784481	8.843875	8.861086	8.764903	8.109848	8.600938
CDK5RAP	CDK5RAP	9.750564	10.1257	9.867138	10.31449	9.994427	9.744408	9.34506	9.440736	9.56475	9.279644	9.045832	8.85724
CDK6	CDK6	8.225984	10.26253	9.816438	11.34211	11.13509	10.69059	10.20993	10.33282	10.08108	10.18404	10.24387	9.650071
CDK7	CDK7	10.29675	10.60229	9.96351	9.974319	9.603922	9.819451	9.074092	8.961747	9.331831	9.128866	9.252533	9.00251
CDK8	CDK8	7.409257	7.710318	7.3127	7.77638	7.670286	8.221768	7.969484	8.577357	8.160903	8.320878	8.610968	8.090379
CDK9	CDK9	9.415217	9.707317	8.887875	9.112504	9.200041	9.901509	9.633668	9.386132	9.39031	9.123175	8.668195	9.085475
CDKAL1	CDKAL1	7.678938	8.021317	7.705756	7.765218	7.738456	7.949771	7.521614	7.701767	7.633311	7.497773	7.388763	7.355988
CDKL1	CDKL1	7.071055	7.144153	6.912577	7.255715	7.186376	6.980916	7.075601	7.065962	6.987636	7.021898	6.907413	7.057376
CDKL2	CDKL2	6.934571	7.090162	6.767279	7.022479	6.974749	7.006258	6.916058	7.084551	7.054947	7.102059	6.918996	6.947649
CDKL3	CDKL3	7.318866	7.631841	7.385528	7.72042	7.771732	8.276748	7.790461	7.860272	8.021163	7.860653	7.82071	7.682229
CDKL4	CDKL4	6.849773	7.048507	6.837	6.994941	6.946456	6.96839	6.835993	6.944751	6.947645	7.012575	6.843103	6.881099
CDKL5	CDKL5	6.860305	7.07094	6.807888	7.049221	6.979212	6.983596	6.861783	6.912411	6.864855	6.914794	6.758816	6.838935
CDKN1A	CDKN1A	9.003461	9.155518	8.7258	9.819536	11.02128	13.37603	12.69091	12.69327	12.64085	12.4084	12.51249	13.23036
CDKN1B	CDKN1B	9.065375	9.360151	8.663761	9.476636	10.02764	10.6937	10.27325	9.958887	10.36644	9.951193	9.598185	9.941275
CDKN1C	CDKN1C	7.352339	8.093799	7.582175	8.874375	9.102207	8.813517	8.175033	8.053334	8.278676	8.053727	7.368011	7.317017
CDKN2A	CDKN2A	6.859499	7.080396	6.820811	7.123072	6.997671	7.036886	6.925668	6.998352	6.988847	7.181551	7.286616	7.176185
CDKN2B	CDKN2B	7.036765	7.271822	7.014925	8.32691	7.770729	7.714228	7.631394	8.03942	8.168309	8.083643	8.599526	7.579297
CDKN2C	CDKN2C	6.907843	7.141797	6.875805	7.177389	7.116013	7.146001	6.980848	7.050044	7.059494	7.105195	7.049659	7.174818
CDKN2D	CDKN2D	7.023538	7.230434	6.908129	7.214545	7.228267	7.429932	7.508817	7.729391	7.732345	7.792308	7.940143	7.696523
CDKN3	CDKN3	9.551917	10.31977	9.900437	9.471249	9.251881	9.730477	9.330049	9.344429	9.528327	9.381367	8.711985	7.648283
CDO1	CDO1	9.543305	10.00135	9.062661	9.489567	9.176541	9.696156	9.108917	8.802884	9.367324	8.785283	8.280475	8.436258
CDON	CDON	6.932927	7.11026	6.889108	7.081226	7.018798	7.048388	6.923472	7.015627	7.014411	6.982361	6.827009	6.851732
CDR1	CDR1	6.870163	7.013461	6.914596	7.011543	6.842752	6.933224	6.961342	6.929824	6.990499	7.099782	6.797823	6.844883
CDR2	CDR2	10.53992	10.95121	9.510987	10.14014	9.841985	9.529264	9.118832	9.115835	9.396399	8.925607	9.357335	9.285371
CDR2L	CDR2L	10.90726	11.33621	10.32898	10.18544	9.398659	10.02207	9.722348	9.709372	9.877756	9.685499	10.25119	9.76424
CDRT1	CDRT1	6.863786	7.000845	6.829521	7.021036	6.97347	6.984301	6.873171	6.9619	6.93218	6.970425	6.901179	6.902167
CDRT15	CDRT15	6.77648	6.961422	6.704194	6.958187	6.848118	6.958709	6.828114	6.937852	6.740216	6.854327	6.665846	6.703296
CDRT15P	CDRT15P	7.090086	7.256774	7.064716	7.164246	7.125317	7.21244	7.173413	7.134018	7.022391	7.059058	6.855162	7.049829
CDS1	CDS1	9.436597	9.275608	8.395189	8.313688	8.088861	8.24622	7.811345	7.991839	7.842916	8.132133	7.440015	8.156152
CDS2	CDS2	9.23667	10.02582	9.708759	9.674032	9.237293	9.22432	8.786124	8.976699	8.754579	8.845882	8.915178	8.959051
CDSN	CDSN	6.967273	7.176679	6.869017	7.098042	6.911822	6.983483	6.947125	6.985573	6.813079	6.839767	6.818906	6.848435
CDT1	CDT1	10.69737	10.91463	9.722433	9.561534	8.902066	8.569026	8.347782	8.054888	8.059356	8.162171	7.272105	7.254565
CDV3	CDV3	9.367459	9.513292	9.120411	9.595772	9.589141	9.940534	9.435975	9.441672	9.449317	9.363555	9.485679	9.539652
CDX1	CDX1	6.778983	7.075388	9.053127	8.352396	6.994688	6.845126	6.833609	6.884463	6.881394	6.866259	6.675476	6.748479
CDX2	CDX2	6.959177	7.318545	8.37467	9.412066	7.667398	7.073721	7.062491	6.971211	7.174395	7.081975	6.829166	7.029414

CDX4	CDX4	7.146662	7.822782	6.913225	7.228484	6.897698	7.031803	6.846875	6.890505	6.908621	6.84833	6.715051	6.90465
CDY1	CDY1	6.948485	7.098309	6.854298	7.105965	6.903394	6.944903	6.869194	6.954227	7.007096	6.96115	6.793672	6.844014
CDY1B	CDY1B	6.841842	7.028964	6.82627	6.988705	6.954832	6.929027	6.806006	6.938454	6.847933	6.963426	6.784856	6.835256
CDY2A	CDY2A	6.786042	6.972734	6.721528	6.810444	6.731987	6.945995	6.920733	6.822627	6.825744	6.870867	6.631543	6.783698
CDY2B	CDY2B	6.903431	7.20147	6.801035	7.031208	6.986272	6.971717	6.969752	7.021922	6.99582	6.910689	6.972978	6.808472
CDYL	CDYL	8.675928	8.555143	7.81781	8.301466	8.057206	8.416251	7.699959	7.676523	7.740475	7.677132	7.534601	7.750633
CDYL2	CDYL2	6.903296	7.086726	6.772407	7.141348	7.028631	7.208316	6.946771	7.05763	6.969506	7.045513	6.874947	6.917246
CEACAM1	CEACAM1	7.417323	7.465559	7.140096	7.380432	7.312721	7.310512	7.184238	7.247692	7.377682	7.253577	7.022559	7.174537
CEACAM1	CEACAM1	6.865304	7.062067	6.800268	7.003067	6.937922	7.053576	6.916378	6.823774	6.863728	6.909008	6.824197	6.813811
CEACAM1	CEACAM1	7.007303	7.198367	6.985418	7.231646	7.102089	7.144328	6.966172	7.108685	7.072164	7.115189	6.988107	6.955093
CEACAM2	CEACAM2	6.906756	6.89629	6.689656	6.952742	6.917566	6.880763	6.840908	6.94987	6.725701	6.949842	6.86835	6.772799
CEACAM2	CEACAM2	6.899767	7.050696	6.865694	7.110801	6.981623	7.232218	6.908241	7.114253	6.889463	6.899253	6.786776	6.857914
CEACAM3	CEACAM3	6.881728	7.155285	6.91709	6.964042	6.962636	7.198522	7.075588	7.166035	7.186221	7.237225	7.099874	7.154901
CEACAM4	CEACAM4	7.009562	7.168162	6.918516	7.087789	7.044503	7.173278	7.009901	7.062985	7.005751	7.252682	6.835755	6.901787
CEACAM5	CEACAM5	6.85527	7.128704	6.840053	7.177911	7.040505	7.117819	6.932159	6.999739	7.049911	7.017069	6.876456	6.853952
CEACAM6	CEACAM6	6.738452	6.901881	6.713566	6.95834	6.883475	6.851258	6.764152	6.931089	7.040921	6.989138	6.710351	6.796407
CEACAM7	CEACAM7	6.893543	6.961565	6.770441	7.031541	6.835448	7.000671	6.849157	6.861365	6.904323	6.847752	6.719367	6.785273
CEACAM8	CEACAM8	6.796045	7.103913	6.838082	7.048797	6.945162	6.851217	6.861744	6.892436	6.864115	6.847987	6.721583	6.812721
CEBPA	CEBPA	7.271399	7.375107	7.098461	7.569631	8.191481	7.588583	6.953483	7.165567	7.233005	7.008173	6.871899	6.867029
CEBPB	CEBPB	9.986146	10.72642	9.514915	9.648839	10.70569	10.31826	9.80616	10.13154	10.25575	10.17315	10.85473	11.04245
CEBPD	CEBPD	7.679369	8.208536	7.434299	9.304187	9.844743	10.44889	9.874714	10.26526	10.40646	10.73674	11.43725	11.28611
CEBPE	CEBPE	7.039934	7.189363	6.890025	7.107542	6.99078	7.193439	6.976489	6.964735	6.989668	7.08224	6.848391	7.056856
CEBPG	CEBPG	9.68059	10.06139	9.525052	9.915102	9.762658	10.23488	9.589337	9.650014	9.615826	9.568342	9.478668	9.392811
CEBPZ	CEBPZ	12.42454	12.97338	11.77689	11.52208	10.93769	11.52766	10.72683	10.81494	10.94998	10.59032	10.47504	10.82439
CECR1	CECR1	8.314217	8.67018	7.773145	7.350698	7.07642	6.979674	6.945216	7.049931	6.935393	6.994755	6.844374	6.825392
CECR2	CECR2	7.050635	7.581403	7.007599	7.060179	6.988551	6.991993	6.790261	6.985749	7.031699	6.952231	6.695387	6.834402
CECR5	CECR5	11.1959	11.17407	10.43026	10.21388	10.29916	10.48603	10.04432	9.786457	9.954684	9.775023	9.366242	9.881519
CECR6	CECR6	7.778069	8.365172	8.251307	7.568338	7.4223	7.478767	7.280679	7.397332	7.293033	7.266699	6.970278	6.846459
CECR7	CECR7	7.748805	7.82197	7.622326	8.155545	8.149389	8.252448	7.849888	7.866959	7.956614	7.699074	7.569213	7.810994
CEECAM1	CEECAM1	7.011484	7.271692	7.185545	7.577906	7.579857	7.507706	7.76102	8.197306	8.068785	7.966939	8.828092	8.303744
CEI	CEI	6.853135	7.115	6.800831	7.068435	6.933177	6.956326	6.894359	6.945141	6.880444	6.912495	6.847965	6.840518
CEL	CEL	7.335551	7.743842	7.457114	7.584454	7.449192	7.700387	7.526073	7.847526	7.521393	7.699193	7.5997	7.911917
CELP	CELP	6.894786	7.010503	6.834304	7.038869	6.80472	6.982737	6.903964	6.930925	6.890365	6.991808	6.766818	6.892952
CELSR1	CELSR1	7.504282	7.937727	7.366781	7.646772	7.465183	7.42216	7.402157	7.289454	7.611544	7.493583	7.324299	7.442718
CELSR2	CELSR2	8.022577	8.305911	7.355883	7.634604	7.515233	7.692615	7.495593	7.572306	7.746098	7.586582	7.202012	7.302789
CELSR3	CELSR3	10.45103	10.58856	9.460232	9.745397	9.10844	8.622186	8.022802	7.931468	8.82571	7.56253	7.467077	7.308742

CEMP1	CEMP1	7.028559	7.266488	6.830792	7.043092	7.026252	7.077102	7.042693	6.912753	7.062126	7.016392	6.927874	7.080934
CENPA	CENPA	9.240255	9.510545	9.062999	9.132251	8.891254	8.672539	8.53868	8.367273	8.566588	8.254101	7.817748	7.280367
CENPB	CENPB	11.23011	11.48196	10.97643	11.39259	11.52872	11.54392	11.1247	10.9058	11.27489	11.11049	10.86588	11.53286
CENPC1	CENPC1	7.125615	7.52041	7.178867	7.509043	7.269682	7.346786	7.267615	7.242846	7.106726	7.308795	6.86251	6.99827
CENPE	CENPE	9.227713	9.67474	9.479886	9.538628	8.941673	8.704805	8.29822	8.321286	8.254858	8.081253	7.594199	7.310204
CENPF	CENPF	10.80256	11.32885	11.00944	11.24391	10.88775	10.67617	10.02976	9.815431	9.720483	9.452322	8.377021	7.730687
CENPH	CENPH	8.027977	8.218973	7.616929	7.628309	7.313218	7.469384	7.489656	7.325663	7.42731	7.489866	7.113996	7.030435
CENPI	CENPI	6.831895	7.154524	6.732328	6.910356	6.821594	6.899974	6.849419	6.886459	6.944014	6.915959	6.862368	6.711475
CENPJ	CENPJ	8.918029	9.379455	9.023916	9.420606	8.846703	8.208273	8.188476	8.120362	8.240508	7.92998	7.649738	7.398829
CENPM	CENPM	9.359316	9.755474	9.314666	9.091885	8.770148	9.11108	8.946214	8.770857	8.748071	8.914354	7.951094	7.314436
CENPO	CENPO	7.815211	8.153665	7.814952	8.099571	7.691471	7.28969	7.201309	7.218171	7.195989	7.217429	6.998514	6.893762
CENTA1	CENTA1	9.05829	9.439494	8.013733	8.286102	9.153245	9.946322	9.536163	9.52426	9.689529	9.536028	8.900657	9.056645
CENTA2	CENTA2	7.541958	7.473812	7.058673	7.282094	7.185254	7.292601	7.114701	7.076029	7.028592	7.033416	6.906157	7.010535
CENTB1	CENTB1	7.899278	7.692128	6.854833	7.131384	6.992956	7.055431	7.045897	6.990218	7.023203	7.050783	6.877176	7.00026
CENTB2	CENTB2	7.980611	8.297436	8.101684	8.419632	8.143312	8.464207	8.042482	8.043591	7.985453	7.988071	7.995045	8.101315
CENTB5	CENTB5	7.04007	6.986775	6.804413	6.989229	7.01662	7.156266	6.995646	7.324761	7.044699	7.127298	7.036574	6.946837
CENTD1	CENTD1	7.060389	7.415908	7.130219	7.255906	7.184382	7.395159	7.343294	7.315289	7.227842	7.413493	7.214636	7.25881
CENTD2	CENTD2	7.134897	7.307729	7.036525	7.288163	7.073681	7.299966	7.147701	7.211628	7.16262	7.225467	7.080595	7.1212
CENTD3	CENTD3	10.96422	10.75947	9.651366	9.440714	9.009762	9.201553	9.31057	9.221577	9.40894	9.176691	9.102023	9.04179
CENTG1	CENTG1	6.624524	6.988537	6.827857	7.005892	6.856913	7.124739	6.721843	6.858455	6.824924	6.805804	6.844658	6.790065
CENTG2	CENTG2	8.022386	8.165791	7.782395	8.070255	7.79072	8.01395	7.689855	7.69252	7.729762	7.581906	7.51816	7.595585
CENTG3	CENTG3	8.070014	7.906976	7.731264	8.339291	8.458114	9.051012	8.602692	8.473345	8.47229	8.565793	8.197575	8.291804
CEP1	CEP1	7.680704	7.909029	8.050798	8.1341	7.937108	7.950671	7.706804	7.756566	7.741241	7.471693	7.226662	7.156697
CEP135	CEP135	9.121309	9.487436	9.442471	9.522973	9.20981	8.613534	8.376259	8.29477	8.335445	8.021107	8.071391	7.767312
CEP152	CEP152	7.823413	7.980465	7.581714	7.719651	7.436631	7.418834	7.265739	7.39832	7.180534	7.262096	6.979583	7.004502
CEP164	CEP164	7.639283	7.805519	7.79706	8.193071	8.077455	7.834694	7.727835	7.496566	7.611793	7.445882	7.497261	7.470073
CEP170	CEP170	7.111079	7.366426	7.08533	7.355702	7.173837	7.351353	7.067775	7.169106	7.174411	7.177337	7.110445	7.276324
CEP170L	CEP170L	6.83051	7.052645	6.643151	6.885839	6.935737	6.879656	6.744219	6.892983	6.738668	6.874654	6.66839	6.78605
CEP192	CEP192	8.6025	9.166721	8.815935	9.245352	9.125219	9.287363	8.746432	8.593419	8.624112	8.475024	7.771586	8.134635
CEP250	CEP250	7.11765	7.320621	6.953095	7.270971	7.154447	7.239423	7.161287	7.126877	7.125608	7.122597	7.002448	7.150823
CEP27	CEP27	9.572306	10.30322	10.02218	10.29397	10.20356	10.14275	10.27842	9.520131	10.04631	9.453257	8.70772	9.682687
CEP290	CEP290	7.467	7.634868	7.360585	7.863946	8.042666	7.850816	7.76258	7.640368	7.754901	7.736092	7.483019	7.742431
CEP350	CEP350	8.589623	9.232817	8.869808	9.415485	9.23557	9.555504	8.989299	8.887674	9.000757	8.856115	8.568199	8.824427
CEP55	CEP55	9.158747	9.682322	9.738147	9.459329	9.15811	9.59513	9.039163	8.899898	8.786641	8.656721	8.162927	7.622863
CEP57	CEP57	7.838835	8.177566	7.753236	8.150316	8.129995	8.24588	8.047944	7.713987	8.000299	7.730653	7.471108	7.740179
CEP63	CEP63	7.62541	7.786011	7.933349	8.132838	8.111354	8.385295	8.086598	8.173714	8.170447	8.112935	7.849405	7.741039

CEP68	CEP68	8.040194	8.457378	7.899574	7.844059	7.8432	8.33592	7.797063	7.929636	7.732834	7.813681	7.500901	7.529054
CEP70	CEP70	8.149428	8.423348	8.123602	8.37578	8.086959	8.279415	8.107945	8.239612	8.121155	8.123533	7.735673	7.667291
CEP72	CEP72	7.543808	7.585843	7.3563	7.626115	7.203701	7.260751	6.989737	7.149013	7.15147	7.076015	6.861343	6.853766
CEP76	CEP76	7.071289	7.21855	7.048073	7.196751	7.140574	7.326329	6.996333	7.136584	6.852853	7.010003	6.839731	6.90932
CEPT1	CEPT1	8.963092	9.201795	9.234113	9.351015	9.19006	9.335006	8.690222	8.922568	8.903555	8.668344	8.734296	8.774951
CER1	CER1	7.025564	7.48107	10.45159	7.441558	7.035111	7.082301	7.02363	7.021822	6.968792	7.046766	6.841378	6.98512
CERK	CERK	10.11254	10.51313	9.801187	10.15955	10.04311	10.08816	9.957917	9.873465	10.09021	10.28143	10.07579	10.74442
CERKL	CERKL	6.810889	6.991661	6.752754	6.940242	6.865166	6.92368	6.809351	6.89605	6.916018	6.899679	6.758269	6.78016
CES1	CES1	6.820206	7.039662	6.838583	6.953418	6.922071	7.028666	6.830535	6.929921	6.817318	6.920508	6.751805	6.814513
CES2	CES2	8.419294	8.527196	8.332797	8.869811	9.321088	9.903067	9.334723	9.281549	9.239046	9.194111	8.542038	8.512725
CES3	CES3	7.592511	7.558857	6.912588	7.154751	7.198275	7.133803	7.055225	7.159516	7.040389	7.077894	6.748141	6.917036
CES4	CES4	6.822413	7.082734	6.840264	7.068617	6.93417	6.979546	6.855029	7.01254	6.96451	6.921036	6.815693	6.850097
CES7	CES7	6.781452	7.110117	6.799217	7.034535	6.955212	7.00559	6.943998	6.918761	6.962889	7.053012	6.81215	6.924337
CESK1	CESK1	6.816963	6.944711	6.764214	6.897186	6.93627	7.027506	6.711104	6.877629	6.798216	6.891262	6.658503	6.75203
CETN1	CETN1	6.887068	7.10738	6.791872	7.055807	6.908529	7.074229	6.918702	7.035612	6.94803	6.959913	6.784048	6.841227
CETN2	CETN2	11.17718	11.56847	11.71913	11.943	12.07519	12.13742	12.03404	12.12492	12.16911	12.01612	12.02632	11.38987
CETN3	CETN3	8.805424	9.05633	8.745394	8.597046	8.71259	9.298921	9.008132	8.801508	9.032496	8.895919	8.532622	8.189182
CETP	CETP	7.015522	7.210235	7.044945	7.333377	7.169573	7.14646	7.062555	7.093125	7.02328	7.050908	6.944958	7.008377
CFB	CFB	6.898542	6.968068	6.782422	6.943738	6.924514	6.978693	6.719387	6.908253	7.036865	6.81964	7.196033	6.970216
CFC1	CFC1	6.937523	7.155179	8.120717	8.444734	7.610988	7.232623	7.121313	6.991197	7.059389	6.987492	6.827898	6.943535
CFD	CFD	7.283876	7.638849	7.125263	7.469512	7.259016	7.449994	7.215673	7.186701	7.223903	7.204395	7.036256	6.940916
CFDP1	CFDP1	8.939513	9.154084	9.063224	9.236834	9.143464	9.253334	9.122701	8.943814	9.201164	9.124459	8.837882	8.950205
CFH	CFH	6.874214	7.05947	6.836642	7.067925	6.947529	7.07854	7.537316	7.858886	7.903869	7.62649	7.916897	7.705042
CFHR1	CFHR1	6.894913	7.138206	6.844136	6.934785	7.036907	7.042712	6.864446	6.958867	6.878866	6.843377	6.819533	6.903881
CFHR2	CFHR2	6.937258	7.087359	7.009473	7.147298	7.009129	7.223178	6.981693	6.97434	6.87677	7.062553	6.832279	6.861785
CFHR3	CFHR3	6.838137	7.091703	6.731488	7.083781	6.857147	6.990084	6.824947	6.896869	6.818818	6.844681	6.743608	6.827808
CFHR4	CFHR4	6.907404	6.982586	6.913765	6.951141	6.903812	6.953878	6.845805	6.860077	6.733284	6.876204	6.775065	6.769046
CFHR5	CFHR5	6.883099	7.11805	6.910671	7.043177	6.95776	7.153119	6.955341	7.015167	6.882892	6.944196	6.728957	6.806476
CFI	CFI	6.890951	7.158764	6.821394	7.030456	6.980577	7.19431	7.756795	8.160429	8.349768	7.795201	7.750345	7.929159
CFL1	CFL1	12.71603	13.09922	12.49417	12.8734	12.54007	12.78149	12.8074	12.70309	12.8231	12.98388	12.99658	12.48642
CFL2	CFL2	7.0157	7.073624	6.899542	7.159929	7.224349	8.075276	7.662753	7.951915	7.784488	7.915998	7.912332	7.537351
CFLAR	CFLAR	7.747955	8.397714	7.964687	8.144778	7.665881	8.214362	8.394643	7.910326	8.042686	7.919916	7.710869	7.759546
CFTR	CFTR	7.069207	7.532599	6.920098	7.292655	7.323172	7.083672	7.00445	6.957221	6.979051	7.098012	6.745655	6.946759
CG018	CG018	6.995792	7.211327	6.999722	7.128512	7.05762	7.037904	6.934666	6.955675	6.88549	6.862105	6.792197	6.860913
CGA	CGA	6.892052	7.168932	6.930345	7.818226	7.462488	7.194009	7.084132	7.024337	7.038685	7.16741	6.818851	6.855547
CGB	CGB	7.063476	7.234247	6.991226	7.286303	7.197366	7.191816	7.017568	7.119507	7.087346	7.159405	6.994983	7.011835

CGB1	CGB1	7.000001	7.114606	6.917454	7.57436	7.633998	7.33594	7.070327	7.036921	7.015446	6.944651	6.871672	6.848042
CGB2	CGB2	6.678177	6.907064	6.684705	6.89078	6.757077	6.833858	6.841304	6.811159	6.800838	6.809411	6.66585	6.746286
CGB5	CGB5	6.862024	7.135776	6.86721	7.443376	7.368011	7.159564	6.96717	7.041241	7.020785	6.962612	6.895483	6.830141
CGB7	CGB7	7.006277	7.199719	6.945079	7.139184	6.941474	7.035625	7.013194	7.001857	6.938393	7.018621	6.903936	6.925315
CGB8	CGB8	7.109063	7.15492	6.884267	7.266025	7.122112	7.243115	7.078288	7.092895	6.912192	7.045225	6.937577	6.985852
CGGBP1	CGGBP1	9.848638	10.15585	10.37854	10.57579	10.42137	10.55808	10.04503	10.01046	10.10932	9.887494	9.689149	9.970429
CGI-09	CGI-09	7.318986	7.637578	7.288361	7.433956	7.320695	7.498309	7.175477	7.131858	7.174701	7.154939	6.976266	7.224401
CGI-115	CGI-115	10.71071	11.17327	10.21161	10.01113	10.0662	11.00918	10.34308	10.28058	10.31673	9.97619	9.733649	9.646892
CGI-38	CGI-38	6.937295	7.094673	6.912197	7.385666	7.330666	7.231969	6.973744	7.037769	7.227534	7.09165	7.249395	7.391066
CGI-69	CGI-69	12.58851	12.63073	11.81956	11.94812	11.9236	12.1838	11.70223	11.56014	11.66236	11.62945	11.33427	11.69868
CGI-96	CGI-96	8.533144	8.905332	8.528411	8.600963	8.333011	8.404357	8.081696	8.201712	8.305913	8.441078	8.418495	8.383743
CGN	CGN	10.41428	10.66311	9.076359	10.37985	8.891042	7.377502	7.034571	6.988112	7.574394	6.895737	6.930943	6.913348
CGNL1	CGNL1	12.51045	12.34311	12.42447	13.22294	12.68946	12.8171	12.27391	12.11512	11.61774	11.48229	10.69701	10.94907
CGREF1	CGREF1	6.821344	6.994944	6.80829	7.023167	6.905951	6.973207	6.908549	6.87616	6.894757	6.938381	6.819936	6.850189
CGRRF1	CGRRF1	8.965379	9.25488	8.932548	9.162583	9.140755	9.494266	9.132835	9.249058	9.366328	9.351034	9.281494	9.220008
CH25H	CH25H	7.203513	8.73363	6.829372	7.025783	6.9973	6.83258	6.76106	6.844339	6.938996	6.851226	6.826467	6.82155
CHAC1	CHAC1	7.416992	7.56197	7.12102	7.289925	7.192716	7.290801	7.019521	7.143137	7.282344	7.250118	7.255739	7.229063
CHAC2	CHAC2	7.670938	8.046955	7.293678	7.279768	7.222255	7.52984	7.598342	7.33877	7.396735	7.481686	7.400213	7.154527
CHAD	CHAD	6.910049	7.245562	6.968666	7.068112	6.971412	7.092287	6.922829	7.054497	7.090032	7.079225	6.830944	6.897279
CHAF1A	CHAF1A	9.020879	8.896603	8.203505	8.270428	7.65724	7.840081	7.570743	7.429578	7.473969	7.333423	7.087145	7.167289
CHAF1B	CHAF1B	9.216024	9.162099	9.132659	8.621907	8.13992	8.382613	8.050527	7.794826	7.797271	7.696081	7.336079	7.251353
CHASM	CHASM	7.042094	7.281043	6.965575	7.248196	7.093627	7.15217	7.070203	7.231144	7.110956	7.089011	6.745034	6.982445
CHAT	CHAT	6.96246	7.191933	6.911651	7.139497	7.063176	7.049883	6.938517	6.972442	6.952048	6.973166	6.876895	6.975061
CHCHD1	CHCHD1	8.616947	9.248657	8.473974	8.557216	8.511908	9.075697	8.800743	8.639266	8.829641	8.872157	8.637568	8.403027
CHCHD2	CHCHD2	12.72395	13.30736	12.82169	12.92127	13.07673	13.38682	13.21483	13.08529	13.31446	13.33581	13.1216	12.97784
CHCHD3	CHCHD3	10.18877	10.63401	9.620671	9.881991	9.635608	10.65578	10.07903	9.948477	9.929806	10.31444	9.945471	9.95522
CHCHD4	CHCHD4	10.29471	10.53765	9.795927	9.884546	9.997324	10.94463	10.43709	10.29756	10.3535	10.30919	9.810984	10.03032
CHCHD5	CHCHD5	9.065493	9.792034	9.536745	9.571108	9.645773	9.858417	9.443998	9.401926	9.598211	9.625454	9.579111	9.337045
CHCHD6	CHCHD6	9.030451	8.776208	8.20747	8.502139	8.799751	9.436447	8.983276	9.006798	8.699053	8.591965	8.545683	8.068197
CHCHD7	CHCHD7	8.803177	8.898773	8.721332	9.01401	8.981693	9.653798	9.071954	9.149595	9.126017	9.273954	8.822669	8.759065
CHCHD8	CHCHD8	8.414975	8.951639	8.217849	8.221916	8.23141	8.769883	8.358172	8.122436	8.24336	8.558961	8.401944	8.222057
CHD1	CHD1	10.17401	10.86978	10.38622	10.76538	10.08962	9.990286	9.471923	8.936998	9.517492	9.086053	8.563012	8.752838
CHD1L	CHD1L	8.796541	9.129336	8.852627	9.261333	8.556806	8.265816	8.02382	7.964756	7.971681	7.980631	8.036673	7.635812
CHD2	CHD2	7.271485	7.422742	7.245978	7.42015	7.38423	7.804925	7.43047	7.359279	7.394491	7.51664	7.277904	7.340031
CHD3	CHD3	6.992402	7.290647	6.866625	7.298086	7.145123	7.280719	6.967973	7.134572	7.185431	7.175681	7.013316	7.090107
CHD4	CHD4	10.54503	10.8871	10.44558	10.79516	10.33515	10.30047	9.943772	9.965082	9.721274	9.786101	9.686491	9.944614

CHD5	CHD5	7.204118	7.535608	7.055066	7.084109	6.95532	7.244419	6.965357	7.08344	8.079395	7.266358	7.166411	7.229564
CHD6	CHD6	7.932223	8.109885	7.96458	8.214412	8.155053	7.959956	7.851515	7.675231	7.914603	7.692859	7.419132	7.835096
CHD7	CHD7	10.5632	10.60412	10.5636	11.00084	9.904558	9.513633	9.194724	9.279693	9.082751	8.922996	8.358745	8.794366
CHD8	CHD8	10.04032	10.51337	9.585143	9.941112	9.760665	9.713659	9.359231	9.379675	9.448012	9.323958	9.302599	9.571133
CHD9	CHD9	9.801101	10.68003	10.19244	11.60012	11.71728	11.17637	10.4817	10.34594	10.56532	10.06622	9.962669	10.09783
CHDH	CHDH	6.970092	7.021707	6.765265	7.044614	6.858176	7.066432	6.963336	6.833412	6.907063	6.911234	6.703868	6.775773
CHEK1	CHEK1	10.51106	11.22362	10.37787	9.854002	9.092097	9.253235	8.61613	8.709184	8.448981	8.463527	8.275502	7.533266
CHEK2	CHEK2	9.244202	9.180297	8.649897	8.14015	7.988889	8.422709	7.997681	8.094772	8.025748	7.941502	7.436321	7.213583
CHERP	CHERP	8.198653	8.232409	7.824844	8.014884	7.861667	8.177209	7.665929	7.714996	7.508355	7.618469	7.575085	7.615173
CHES1	CHES1	10.19072	9.995445	8.854792	9.186824	9.073461	9.176323	8.876931	8.906499	8.805342	8.915976	8.777647	9.182644
CHFR	CHFR	9.984871	10.4091	9.988303	10.08125	9.657978	9.762253	9.474087	9.752324	9.44592	9.475275	9.482743	8.862109
CHGA	CHGA	9.0412	9.700154	7.988713	7.140353	7.004	6.938632	6.946321	7.013895	7.385742	7.021296	6.73816	6.814605
CHGB	CHGB	7.528535	8.023659	7.006447	7.189476	7.910122	7.214362	7.144729	7.09326	7.962135	7.012353	6.932532	6.959481
CHGN	CHGN	6.769778	6.938567	6.791307	7.023435	6.908168	6.913069	6.948896	6.995688	7.000848	7.1426	6.951288	7.008777
CHI3L1	CHI3L1	6.921856	6.931934	6.83781	7.040672	6.8008	6.965867	6.940527	6.86644	6.82671	6.991822	6.838847	6.94332
CHI3L2	CHI3L2	6.959527	7.13208	6.896101	7.107346	6.888452	6.888017	6.878079	6.909159	6.891864	6.906826	6.746065	6.855041
CHIA	CHIA	6.883032	7.02111	6.75356	6.947399	6.897123	6.880828	6.888381	6.954528	6.866772	6.947372	6.792066	6.901533
CHIC1	CHIC1	7.076591	7.303852	6.964203	7.136894	7.014029	7.366726	7.136082	7.157529	7.06882	7.178432	7.019112	7.155428
CHIC2	CHIC2	9.135367	9.947496	9.822127	10.28077	9.912705	10.78349	10.01393	10.11118	10.16181	10.10488	10.4981	10.14645
CHID1	CHID1	6.938835	7.152718	6.940413	6.99268	6.819552	7.079539	6.876518	6.952201	6.953629	6.933704	6.727991	6.936305
CHKA	CHKA	8.492142	8.520747	7.939822	8.484793	8.4284	8.562792	8.12327	8.14821	7.912938	7.855147	7.48163	7.426162
CHKB	CHKB	7.791581	8.112609	7.848497	8.248956	8.194829	8.498778	8.376586	8.405742	8.348435	8.371959	8.064081	7.818091
CHL1	CHL1	7.006165	7.070969	6.816419	7.032444	7.017494	6.960813	6.860387	6.980475	6.971182	6.993284	6.908546	6.948461
CHM	CHM	7.080761	7.173306	6.777196	7.069305	7.054291	7.302396	6.949147	6.990445	6.928239	6.938452	6.820255	6.96472
CHML	CHML	7.439864	7.882923	7.455757	7.57646	7.55622	7.517104	7.331752	7.314079	7.370615	7.424736	7.133149	7.279348
CHMP1B	CHMP1B	10.40638	10.89821	10.3572	10.19756	10.06849	10.80588	10.12805	10.44019	10.09346	10.28113	10.57563	10.27005
CHMP2A	CHMP2A	9.480928	9.831232	9.201814	9.421218	9.498388	10.35805	9.9445	9.947729	10.009	10.01537	9.813299	9.691261
CHMP2B	CHMP2B	10.07851	10.26543	9.90192	9.590497	9.521537	10.3766	9.724548	9.658319	9.966863	9.826583	9.557552	9.733301
CHMP4A	CHMP4A	9.617549	10.74364	9.959582	9.832402	9.597793	10.42714	9.994151	9.628652	9.820052	9.750185	9.284138	9.604936
CHMP4B	CHMP4B	9.914848	10.31548	9.844828	10.45106	10.43911	11.31924	10.85809	11.03987	10.95597	11.18879	11.09695	10.6212
CHMP4C	CHMP4C	7.107331	7.382575	7.180253	7.148166	6.992607	7.526973	7.419845	7.42335	7.460634	7.665934	7.367669	7.639307
CHMP5	CHMP5	9.836545	10.18753	9.963954	9.91641	10.22498	11.22953	10.64702	10.75145	11.06343	10.87426	10.87113	10.66368
CHMP6	CHMP6	7.604979	7.966136	7.79241	8.154585	7.997788	8.145	7.943545	8.03818	7.989798	8.154601	8.029209	8.202087
CHMP7	CHMP7	7.171427	7.4016	7.283502	7.566004	7.30367	7.555621	7.367176	7.428805	7.369831	7.366713	7.420148	7.671531
CHN1	CHN1	9.441146	9.387409	8.654187	9.915349	10.99305	10.25384	9.572518	9.840533	9.580665	9.6664	9.23354	9.126085
CHN2	CHN2	7.023428	7.219826	7.26037	7.558567	7.616704	8.946062	8.876402	9.277253	9.113444	9.281061	8.7841	9.002254

CHODL	CHODL	7.628219	7.466147	7.235907	7.527168	7.385438	7.80025	7.622451	7.608113	7.785823	7.458895	7.17248	7.333287
CHORDC1	CHORDC1	8.616377	8.967019	8.359589	8.688763	8.325008	8.932069	8.374418	8.396259	8.535028	8.380155	8.263587	8.311519
CHP	CHP	9.132959	9.601232	8.922244	9.184148	9.105769	9.484952	9.558167	9.431797	9.458356	9.773944	9.452052	9.490739
CHPF	CHPF	8.049497	8.212162	7.820167	8.425442	8.71708	9.06344	8.991818	9.197317	9.005423	9.107468	9.716087	9.531455
CHPT1	CHPT1	8.605216	9.155282	8.362009	8.260197	8.71059	9.546838	9.090869	9.231398	9.435719	9.587375	9.681542	9.79171
CHR415S\	CHR415S\	6.727956	6.963544	6.784716	6.841161	6.803515	6.841986	6.833919	6.880446	6.897698	6.865417	6.751626	6.7922
CHRAC1	CHRAC1	7.931785	7.975222	7.728143	7.851778	7.8591	7.763198	7.534983	7.61539	7.622209	7.499861	7.506162	7.356259
CHRD	CHRD	6.924942	7.054369	7.162278	7.301688	7.094831	7.137976	7.044464	7.047698	7.092359	7.061163	7.095242	6.931533
CHRDL1	CHRDL1	6.886444	7.139096	6.915119	6.998943	6.896143	6.881662	6.859094	6.93255	6.855246	6.762682	6.715006	6.849654
CHRDL2	CHRDL2	6.834358	7.077534	6.938732	7.096228	6.957608	6.916776	6.949271	7.08907	7.069454	6.926505	6.956554	6.956258
CHRFAM7	CHRFAM7	6.835076	7.139	6.822845	7.119129	6.969195	6.981166	6.915029	6.977319	6.977382	6.932184	6.784078	6.839126
CHRM1	CHRM1	6.819855	7.122266	6.90625	6.949954	6.915108	6.940335	6.912784	6.897784	6.787907	6.963934	6.898979	6.840471
CHRM2	CHRM2	6.858164	7.071379	6.797907	7.103864	7.09259	7.556177	7.393236	7.438214	7.332893	7.540688	7.295915	7.371754
CHRM3	CHRM3	7.71405	7.52921	7.032312	7.172227	7.106551	7.032219	6.968959	7.020426	7.121725	7.109228	6.929573	6.972598
CHRM4	CHRM4	6.811214	6.945867	6.763438	6.862226	6.923201	6.837562	6.755272	6.849524	6.821858	6.931236	6.770079	6.806209
CHRM5	CHRM5	6.745147	7.036927	6.717511	6.990152	6.841484	6.932631	6.866741	6.983799	6.829318	6.864262	6.751836	6.820188
CHRNA1	CHRNA1	6.818081	7.036928	6.869382	6.946392	6.928305	6.977353	6.820708	6.929919	7.962272	7.6402	6.833938	7.107109
CHRNA10	CHRNA10	6.903827	7.293641	6.953366	7.264963	7.354571	7.651365	6.985446	6.959484	7.18829	7.034197	6.936892	7.031752
CHRNA2	CHRNA2	6.962255	7.27515	6.80323	7.13995	7.103302	7.100582	6.928731	7.100024	7.049187	6.995635	6.778339	6.936545
CHRNA3	CHRNA3	7.300696	7.322138	7.717868	7.419793	8.13562	8.252952	8.091263	8.267765	8.058367	8.236472	7.664851	7.694224
CHRNA4	CHRNA4	6.979147	7.082214	6.947172	7.154609	6.887537	7.036531	6.95695	6.925076	6.951107	6.948267	6.945429	6.946068
CHRNA5	CHRNA5	9.255768	9.682216	9.111223	9.472752	9.7049	9.671081	9.633234	9.603219	9.409141	9.580753	9.214579	9.191505
CHRNA6	CHRNA6	7.154459	7.39264	7.035785	7.282339	7.152572	7.21405	7.174263	7.161393	7.19169	7.111388	6.92377	7.064676
CHRNA7	CHRNA7	7.116491	7.401007	6.996277	7.450655	7.155949	7.24076	6.941288	6.963584	7.008819	6.971021	6.879316	6.907822
CHRNA9	CHRNA9	6.974335	7.467592	6.924133	7.003425	6.948742	6.894467	6.839366	6.998842	6.908798	6.854732	6.756134	6.830832
CHRNB1	CHRNB1	7.965387	8.310263	7.323868	7.863948	7.882382	8.075684	7.870392	7.920541	7.938382	7.977114	7.888571	7.704678
CHRNB2	CHRNB2	6.729493	7.014067	6.798136	6.942355	6.826051	6.915645	6.833335	6.745893	6.748962	6.941669	6.795609	6.760883
CHRNB3	CHRNB3	6.956706	7.091581	6.803704	7.038461	6.961343	7.03011	6.955898	6.962286	6.940622	7.024955	6.898246	6.905591
CHRND	CHRND	6.847792	7.019107	6.775202	6.935914	6.891021	6.866989	6.760808	6.867764	6.979013	6.896116	6.667633	6.763663
CHRNE	CHRNE	7.184028	7.382766	7.056584	7.245046	7.086007	7.195563	7.024554	7.095154	7.067483	7.225635	6.934244	7.010832
CHRNG	CHRNG	6.984681	7.041921	6.819442	6.943295	6.906732	6.927375	6.850156	6.912548	6.908691	6.880313	6.73818	6.855338
CHST1	CHST1	7.14914	7.228161	7.077748	7.315072	7.303016	7.339181	7.065901	7.126534	7.152515	7.145494	7.152982	6.981575
CHST10	CHST10	8.744976	9.086777	8.277987	8.489986	8.361308	8.547778	8.368362	8.359406	8.20356	8.031695	7.792154	7.861364
CHST11	CHST11	6.852205	7.067092	6.783304	7.07267	6.862618	7.000569	7.023041	6.992365	6.908968	6.994713	6.849118	6.905045
CHST12	CHST12	8.038773	8.457762	7.949982	8.24616	8.473285	8.562419	8.297273	8.246425	8.21062	8.192397	8.032355	8.215169
CHST13	CHST13	8.703622	8.15043	7.16702	7.316876	7.287938	7.65737	7.279084	7.345779	7.330487	7.195121	6.863033	7.129933

CHST2	CHST2	7.038019	7.477413	7.000613	7.250818	7.282979	7.170943	7.017496	7.053438	7.129774	7.072189	6.965832	7.08562
CHST3	CHST3	7.619734	7.791362	7.651478	8.479986	8.147119	8.381525	8.226818	8.607198	8.527358	8.651285	8.757158	8.638508
CHST4	CHST4	9.333893	10.0135	7.768532	7.096786	7.08051	6.980382	6.762998	6.962627	6.93943	7.015434	6.767028	6.813724
CHST5	CHST5	6.898787	7.082272	6.838814	7.013423	6.918882	6.949079	6.868667	6.939432	6.899613	6.905523	6.849786	6.862688
CHST6	CHST6	8.279067	8.739351	7.845315	7.52426	7.102337	7.063754	7.0324	7.13711	7.161282	7.315333	7.152299	6.954019
CHST7	CHST7	9.551108	10.09172	8.361968	8.089842	8.070528	9.065548	8.869798	9.228822	9.159446	9.556216	9.22104	8.856166
CHST8	CHST8	7.247557	7.317675	6.851626	7.015683	6.936994	7.157039	6.941245	7.013358	6.853626	6.918683	6.784951	6.814167
CHST9	CHST9	8.868571	8.888538	8.64459	8.428475	8.475637	6.959554	6.858213	6.96403	6.922937	6.944503	6.708852	6.838966
CHSY1	CHSY1	11.04697	11.31945	10.92584	11.92568	11.90219	11.63824	11.64558	11.29959	11.5272	10.78468	10.72087	10.38193
CHTF18	CHTF18	9.06209	9.080235	8.610539	8.856203	8.242991	7.847837	7.749769	7.647265	7.800746	7.532502	7.200959	7.043095
CHUK	CHUK	9.149709	9.274281	9.108592	9.589598	9.3288	9.520604	8.873845	8.947067	8.952801	8.892134	8.849901	8.829457
CHURC1	CHURC1	8.016268	8.296273	7.984623	8.481122	9.12244	10.34977	9.860933	9.750239	9.781421	9.911241	9.597106	9.845865
CHX10	CHX10	7.128531	7.086831	6.885565	7.183354	6.939105	7.233372	7.056515	7.032139	6.988927	7.065438	6.87411	6.945316
CIAO1	CIAO1	9.633158	9.997303	9.368653	9.892235	10.09105	10.56081	10.48624	10.35631	10.34839	10.49299	10.1801	10.35536
CIAPIN1	CIAPIN1	9.027917	9.397443	8.906203	9.193043	8.984858	9.83619	9.229743	9.245906	9.142787	9.198894	9.212418	9.161911
CIAS1	CIAS1	6.880286	7.010841	6.873072	7.110769	6.983929	7.093555	6.931758	6.967563	6.908519	7.009087	6.856595	6.880433
CIB1	CIB1	10.86033	11.18887	10.78991	11.67811	11.65694	12.02318	11.79774	11.7051	11.75938	11.87506	12.05894	11.76984
CIB2	CIB2	8.094299	8.481062	7.964686	7.881228	7.772886	8.525773	8.470491	8.311021	8.213629	8.442321	8.423412	8.09826
CIB3	CIB3	6.944709	7.176638	6.912915	7.112124	7.045944	6.997274	7.016332	6.917907	6.917032	6.980158	6.825372	6.778375
CIB4	CIB4	6.792728	6.98035	6.683234	7.008326	6.885593	6.941156	6.870375	6.777853	6.763378	6.808626	6.676949	6.711568
CIC	CIC	7.883486	8.231455	7.702702	8.05494	8.126901	8.078446	7.839618	7.961324	8.012358	7.879418	7.756618	7.679279
CICE	CICE	8.050457	8.359597	7.984406	8.330313	8.334518	9.386038	8.684767	8.84358	8.972284	9.071858	9.043901	8.819707
CICK0721(	CICK0721(	7.124571	7.159431	6.908257	7.082939	7.117747	7.098724	7.016679	7.05314	6.997385	7.007114	6.897418	6.972642
CIDEA	CIDEA	6.962373	7.200932	6.866389	6.999983	6.935929	6.966531	6.92783	6.964874	6.90815	6.98904	6.762958	6.869915
CIDEB	CIDEB	7.071116	7.121462	6.942428	7.044227	6.896038	6.764975	6.847658	7.057131	6.837584	6.91666	6.824796	6.833782
CIDEC	CIDEC	6.89528	7.015934	6.838435	7.156732	7.043908	7.125991	6.973799	6.978195	7.037616	7.074129	6.787602	6.930184
CIITA	CIITA	7.001903	7.185129	6.923263	7.223495	6.986005	7.156882	6.953022	6.988604	6.98257	6.906249	6.901318	6.933434
CILP	CILP	6.868988	7.10504	6.906658	7.106545	7.08823	7.178472	7.336831	7.490495	7.303338	7.189953	6.978536	6.90706
CILP2	CILP2	6.895871	7.180132	6.924813	7.039955	6.886438	7.002167	6.705548	6.867393	6.874891	7.017272	6.835005	6.873933
CINP	CINP	7.526808	7.733038	7.21129	7.389468	7.255692	7.549359	7.386062	7.347102	7.382488	7.503222	7.367574	7.171779
CIP29	CIP29	12.54145	13.02015	12.25262	12.37545	12.19914	12.90403	12.45724	12.52237	12.65444	12.5573	12.30875	12.09253
CIR	CIR	7.991224	8.512578	8.210165	8.773005	8.573181	8.976177	8.585321	8.390885	8.757246	8.748788	8.297012	8.670187
CIRBP	CIRBP	11.73761	12.11833	12.18113	12.48554	12.79574	13.21916	12.94906	13.01	12.98721	12.9804	12.31352	12.23642
CIRH1A	CIRH1A	11.32497	11.63152	10.74034	10.74539	10.59928	10.90832	10.29863	10.19148	10.14931	10.06799	9.845588	9.51255
CISH	CISH	6.837753	6.999001	6.777019	7.174878	7.157041	7.21743	7.202775	7.361177	7.276138	7.459899	7.383012	7.242741
CIT	CIT	7.048312	7.266905	7.029488	7.190045	7.068263	7.098211	7.068379	6.993652	7.00172	7.045786	6.970394	6.745148

CITED1	CITED1	6.956376	7.281454	7.044206	7.440347	7.329154	7.202214	7.117892	7.171648	7.480206	7.205583	6.944695	7.000946
CITED2	CITED2	9.767536	9.8802	10.25317	10.6569	10.43535	11.22052	10.5956	10.4845	10.46732	10.97266	10.3585	10.55835
CITED4	CITED4	8.1705	7.823493	7.454141	7.771984	8.271243	9.672342	9.389014	9.625465	8.807485	9.448342	8.971231	8.984536
CIZ1	CIZ1	7.147899	7.304411	6.968244	7.250797	7.075855	7.210765	7.026541	7.159865	7.14159	7.100291	7.014675	7.089792
CKAP1	CKAP1	10.44535	11.00905	10.66125	10.7704	10.50298	10.68134	10.46116	10.63064	10.57634	10.81975	11.17716	10.52081
CKAP2	CKAP2	9.490477	10.03437	10.15409	10.38243	9.77198	10.47249	10.01315	9.930036	9.96158	9.746021	9.01172	8.495217
CKAP4	CKAP4	10.89581	11.29723	11.24087	12.47319	12.18766	11.55836	11.34249	11.66718	11.49849	11.45985	12.38932	11.81064
CKAP5	CKAP5	10.78675	11.06117	10.91503	11.05555	10.66625	10.8363	10.22776	10.46866	10.17326	10.08659	9.980859	9.625348
CKB	CKB	10.82243	11.40166	9.816636	10.31882	10.06722	10.48933	9.684851	9.458405	9.80416	9.714038	9.414229	8.298727
CKLF	CKLF	8.934118	9.069545	8.628944	8.563874	9.015345	9.4578	9.243719	8.991408	9.308574	9.25718	9.061943	8.143257
CKLFSF4	CKLFSF4	7.187181	7.296462	6.896171	7.034065	6.935224	7.043351	6.851033	7.04483	7.05076	6.906038	6.795044	6.84105
CKM	CKM	6.80541	7.070859	7.151433	7.494824	9.051257	11.08305	11.53604	11.89121	11.70624	12.4516	12.12541	12.34299
CKMT1A	CKMT1A	9.248461	9.541383	7.740171	7.51691	7.253728	7.873042	7.420316	7.364311	7.389804	7.202371	7.060781	7.202237
CKMT1B	CKMT1B	8.603394	8.65098	7.216653	7.106984	7.051143	7.524879	7.16715	7.010846	7.042686	7.079551	6.895092	6.842144
CKMT2	CKMT2	7.164933	7.338453	7.036143	7.586264	7.672346	10.26909	10.59293	11.23551	11.23431	12.06087	11.78242	12.45375
CKS1B	CKS1B	12.35232	12.81153	12.40098	12.07998	11.71148	12.199	11.31369	11.32284	11.41215	11.20395	10.94702	9.987507
CKS2	CKS2	12.58991	12.9084	12.19582	11.84808	11.47442	11.24948	11.26287	10.90131	11.43396	10.99712	10.53151	9.294651
CLASP1	CLASP1	9.26727	9.780839	9.400889	9.930493	9.676163	9.929349	9.47573	9.534418	9.405093	9.289956	9.249314	9.204946
CLASP2	CLASP2	8.181581	8.675728	8.198919	8.527039	8.170849	8.957306	8.51325	8.888513	8.79221	8.686873	8.707914	8.225671
CLC	CLC	7.90251	7.251146	6.867718	7.127394	7.002502	7.101711	6.972805	6.932388	7.1558	6.886798	6.827392	7.005464
CLCA1	CLCA1	6.77173	7.018906	6.71898	6.821636	6.832181	6.860872	6.897342	6.819729	6.768855	6.982536	6.661339	6.824715
CLCA2	CLCA2	6.940925	7.085856	6.770984	7.072906	6.944893	6.910858	6.840556	6.921491	6.974557	7.000501	6.922939	6.869549
CLCA3	CLCA3	6.887479	6.935828	6.745244	6.98475	7.009232	6.982781	6.785244	6.997364	6.800166	6.961137	6.720669	6.818512
CLCA4	CLCA4	6.898693	7.120597	6.771563	7.002316	6.811632	6.988953	6.796919	6.913901	6.862911	6.994682	6.836516	6.79049
CLCC1	CLCC1	7.159757	7.444409	7.182512	7.349981	7.356942	7.318219	7.19397	7.327861	7.235445	7.294805	7.237635	7.220134
CLCF1	CLCF1	7.034558	7.478264	7.668272	7.650039	7.410757	7.201212	7.256336	7.259416	7.319592	7.326476	7.933242	7.660349
CLCN1	CLCN1	6.934172	7.005136	6.813599	7.065927	6.959203	6.910425	6.983611	6.828358	6.989521	7.001407	6.715391	6.768173
CLCN2	CLCN2	7.217064	7.564628	7.195724	7.211866	7.261462	7.286034	7.008635	7.10067	7.088669	7.102465	7.005215	6.978044
CLCN3	CLCN3	8.140904	8.756699	8.243245	8.695794	8.478314	9.319341	8.939589	8.998133	8.855484	8.556862	8.545005	8.671353
CLCN4	CLCN4	7.002394	7.19787	6.926386	7.052674	6.943035	7.114245	7.001074	7.14222	7.141118	7.053919	7.057527	7.082909
CLCN5	CLCN5	7.13531	7.350144	7.226673	7.773711	7.443326	7.332361	7.154924	7.18082	7.139377	7.258718	7.350036	7.040079
CLCN6	CLCN6	8.468356	8.427504	7.894888	8.440941	8.435446	8.867591	8.2181	8.266415	8.241397	8.210811	7.990385	8.07359
CLCN7	CLCN7	11.8089	12.15851	11.38306	11.72365	11.3791	11.45602	10.94169	10.99662	11.24787	10.83756	10.49008	11.29792
CLCNKA	CLCNKA	8.615528	8.230788	8.025941	9.060845	9.75793	10.69066	10.28721	9.710252	9.470615	9.538146	8.197796	8.585227
CLCNKB	CLCNKB	6.974126	7.067686	6.9825	7.114708	7.290798	7.7028	7.425442	7.478771	7.252793	7.45905	7.011815	7.128462
CLDN1	CLDN1	8.591388	8.295706	7.998448	7.633286	7.639552	7.962826	7.657826	8.17811	8.367373	8.055134	8.575384	8.528797

CLDN10	CLDN10	9.263427	9.637939	8.155708	7.800681	7.208435	6.978104	6.864468	6.900288	6.87411	6.904916	6.835566	6.793272
CLDN11	CLDN11	8.239834	7.903362	8.433268	7.577609	7.162009	7.22507	7.17024	7.139694	8.083505	7.071002	6.842671	7.120442
CLDN12	CLDN12	9.795356	10.18512	9.595615	9.676546	9.336027	9.607573	9.189258	9.236253	9.262701	9.09554	8.914753	9.193468
CLDN14	CLDN14	9.026328	8.840622	8.136152	8.120773	8.121307	7.976766	8.047958	7.759728	7.988456	7.907571	7.497817	7.840733
CLDN15	CLDN15	7.411185	7.729045	7.216118	7.829991	7.94027	7.51257	7.178115	7.207598	7.414296	7.16288	7.214771	7.065843
CLDN16	CLDN16	6.908378	7.107594	6.858247	7.088712	6.91828	7.049284	6.908658	7.030738	6.921725	7.045478	6.821014	6.798809
CLDN17	CLDN17	6.934768	7.064454	6.903027	7.146916	7.008357	7.051329	6.901397	6.964827	6.924286	7.031673	6.886853	6.902047
CLDN18	CLDN18	7.002976	7.244603	7.288794	7.229229	7.134062	7.153871	7.049819	7.040365	7.100055	7.025792	7.01966	6.936925
CLDN19	CLDN19	7.37041	7.313463	7.081774	7.213648	7.061315	7.090882	7.014089	6.990402	6.955271	7.146741	6.986448	6.907984
CLDN2	CLDN2	6.936952	7.037611	6.788326	7.043901	7.033536	7.019246	6.882127	6.90556	6.957663	7.108202	6.863618	6.855043
CLDN20	CLDN20	7.412597	7.554183	7.234135	7.365313	7.211992	7.407877	7.152728	7.269538	7.257544	7.330978	7.141304	7.168272
CLDN22	CLDN22	6.924756	7.047402	6.788154	7.038463	6.878704	6.965479	6.878265	7.032666	6.951712	6.940076	6.966024	6.860309
CLDN23	CLDN23	8.673324	8.86307	8.110136	8.210537	7.647763	7.565187	7.122956	7.094036	7.020994	7.051484	6.886689	6.813934
CLDN3	CLDN3	8.665673	8.696417	7.709852	7.640662	7.29739	7.101024	7.003898	6.96045	7.085913	6.985155	6.838144	6.847617
CLDN4	CLDN4	6.98179	7.241739	6.906866	7.12964	7.038493	7.074547	7.005757	7.096387	6.95689	7.139583	6.835477	6.924004
CLDN5	CLDN5	6.863601	7.060027	6.653859	6.982738	7.304959	6.937535	6.826658	6.94677	6.964008	6.873524	6.660849	6.71791
CLDN6	CLDN6	8.811836	9.447281	8.267304	7.960126	7.687655	7.376386	7.123497	7.086288	6.868337	6.83537	6.776482	6.975526
CLDN7	CLDN7	10.53653	11.15229	9.443759	8.887115	8.053609	7.077791	6.886582	6.983668	7.050707	7.063275	6.777593	6.97214
CLDN8	CLDN8	6.94209	7.130415	6.837604	7.076826	6.96169	7.09112	6.913844	6.971612	7.166247	6.915913	6.79265	6.907291
CLDN9	CLDN9	7.104526	7.234288	7.061854	7.270319	7.025739	7.202459	7.044641	7.126563	7.090797	7.186547	6.747114	7.034357
CLDND1	CLDND1	10.81093	11.19065	11.01866	11.5609	11.55065	11.5737	11.28455	11.53353	11.61516	11.57059	11.32782	11.227
CLDND2	CLDND2	8.17049	8.285226	8.214379	8.103472	8.60877	8.962421	8.489971	8.101982	8.253117	8.202759	7.990188	7.499229
CLEC10A	CLEC10A	6.89845	7.081142	6.83824	7.032727	6.9471	6.955742	6.891181	6.93838	6.872238	6.976586	6.79182	6.872323
CLEC11A	CLEC11A	7.790826	7.813998	7.75818	7.954256	8.545939	8.847778	8.663342	8.616525	8.499097	8.542023	8.918016	8.433613
CLEC12A	CLEC12A	6.898936	7.060237	6.896705	7.093864	7.054789	7.005453	6.907103	6.953769	6.903756	6.928588	6.833829	6.860917
CLEC12B	CLEC12B	6.935029	7.169159	6.86632	7.15222	6.990657	7.071472	6.96908	7.013923	7.007637	7.033229	6.798954	6.884273
CLEC14A	CLEC14A	6.988565	7.146284	6.900301	7.042237	7.065386	7.058557	6.877567	7.021355	6.915284	7.012036	6.770666	6.78646
CLEC1A	CLEC1A	6.864101	7.071318	6.788421	7.178459	7.038093	7.115462	6.923506	6.972812	6.833776	7.00313	6.814551	6.894026
CLEC1B	CLEC1B	6.873456	6.96783	6.709272	8.227149	8.551731	7.145216	6.836731	6.952577	6.893844	6.835638	6.756388	6.833512
CLEC2A	CLEC2A	7.03423	7.271288	6.886514	7.159161	6.999516	7.866443	7.693952	7.740621	7.685422	7.702325	7.274865	7.965261
CLEC2B	CLEC2B	6.845494	7.078634	6.801626	6.980239	6.951426	7.046076	6.878559	6.957539	6.991013	7.032152	6.771464	6.850712
CLEC2D	CLEC2D	7.43395	7.638408	7.278693	7.464598	7.288448	7.309632	7.095832	7.20324	7.172106	7.117045	7.024749	7.134932
CLEC2L	CLEC2L	6.913349	7.119941	6.842543	7.097882	7.006829	6.977863	6.837855	7.047289	7.009719	6.943391	6.909428	6.883105
CLEC3A	CLEC3A	6.851371	6.994677	6.808167	7.080293	6.938956	6.968742	6.834811	6.969828	6.933431	6.952524	6.80448	6.848713
CLEC3B	CLEC3B	6.953316	7.09676	6.827992	7.062639	7.016563	7.052755	6.976545	7.031988	6.786948	6.919233	6.924363	6.891653
CLEC4A	CLEC4A	7.009279	7.114622	7.079844	7.292539	7.319466	7.463352	7.192405	7.258615	7.330317	7.205962	6.941146	7.167679

CLEC4C	CLEC4C	6.893809	7.087428	6.81641	7.01269	6.939711	7.045055	6.878446	7.022528	6.996548	6.931627	6.856926	6.950855
CLEC4D	CLEC4D	6.930017	7.240144	6.895287	7.214649	7.068678	7.198426	7.115003	7.061358	7.036691	7.008773	6.97148	6.955648
CLEC4E	CLEC4E	6.827224	7.038397	6.83888	6.959775	6.849451	7.000792	6.984541	6.893544	6.914956	7.057281	6.806742	6.763134
CLEC4F	CLEC4F	6.760212	7.017237	6.771322	6.966987	6.877747	6.864854	6.743584	6.889318	6.824409	6.828185	6.723174	6.785865
CLEC4G	CLEC4G	7.114168	7.192928	6.822131	7.061588	7.057891	6.965187	6.868819	6.896458	6.892321	6.974195	6.818514	6.800717
CLEC4M	CLEC4M	6.78675	6.984939	6.7809	6.968632	6.83625	7.06062	6.846524	6.820293	6.807082	6.875552	6.846181	6.886018
CLEC5A	CLEC5A	6.874101	7.056576	6.754029	7.110804	6.974293	7.019755	6.974742	7.033344	6.882445	6.96014	6.794432	6.851346
CLEC6A	CLEC6A	6.991766	7.191849	6.991274	7.097441	7.010533	6.915114	6.996817	6.997876	7.022601	6.983984	6.823675	6.878777
CLEC7A	CLEC7A	6.873114	7.005474	6.789945	6.99016	6.89882	6.895988	6.847704	6.951224	6.835279	6.943059	6.778858	6.820705
CLEC9A	CLEC9A	6.877245	7.038751	6.780608	7.019006	6.908914	6.946529	6.845822	7.004535	6.842784	6.934577	6.767543	6.872376
CLGN	CLGN	7.135798	7.064384	7.074575	7.734028	7.354052	8.517605	8.156867	8.103868	8.410422	8.180463	7.59837	8.421066
CLIC1	CLIC1	11.10576	12.63295	11.5579	11.56552	11.32308	11.64444	11.23505	11.22327	11.22735	11.2449	12.21424	11.37897
CLIC2	CLIC2	7.112109	7.366964	7.121205	7.332405	7.213299	7.323863	7.123661	7.101966	7.15792	7.389992	7.010458	7.208312
CLIC3	CLIC3	6.900135	7.157989	6.860192	7.309182	7.55433	7.114771	6.918159	7.0273	7.056779	6.946857	6.909763	6.907194
CLIC4	CLIC4	11.05676	11.78133	11.03185	11.11717	11.08123	11.17437	11.19115	11.12795	11.16041	11.00137	11.12411	11.42932
CLIC5	CLIC5	7.072805	7.373096	6.947268	7.48229	8.293529	9.973921	10.10434	10.14552	10.25981	10.46198	9.613901	10.39254
CLIC6	CLIC6	7.633499	7.820474	7.827946	7.330892	7.221303	7.045467	6.792922	6.994748	7.354965	7.166879	6.84701	6.899544
CLIP1	CLIP1	8.677896	10.12266	9.672142	10.19768	9.85905	10.25591	9.978793	10.02514	10.13842	10.0649	10.09379	10.26715
CLIP2	CLIP2	8.17989	8.331747	7.766264	7.948605	7.663867	7.417915	7.179828	7.47538	7.69252	7.410282	7.88089	7.469116
CLIPR-59	CLIPR-59	10.54035	10.96676	10.32927	10.97184	11.23433	10.43651	10.1326	10.28827	10.94561	9.979351	10.38138	10.45451
CLK1	CLK1	8.512778	9.130041	9.248798	9.499534	9.797066	10.0752	9.926619	9.983976	10.0359	9.588931	9.387884	9.322149
CLK2	CLK2	8.532939	8.833432	8.457568	8.756487	8.615425	8.451681	8.303395	8.314623	8.244342	8.250266	8.018551	7.976663
CLK2P	CLK2P	6.995749	7.138511	6.915333	7.120205	6.971412	7.032445	6.946018	6.945926	6.99233	7.028071	6.813055	6.895242
CLK3	CLK3	8.625364	8.477906	8.234071	8.895843	8.774565	9.195904	8.879238	8.844232	8.881689	8.832947	8.625062	9.115519
CLK4	CLK4	7.608862	7.943853	7.805316	8.23554	8.55527	8.934389	8.581916	8.555535	8.621134	8.314153	7.825841	7.946171
CLLU1	CLLU1	6.817086	6.963181	6.664859	6.964011	6.934725	6.954851	6.817931	6.879295	6.889758	6.830882	6.769491	6.86974
CLLU1OS	CLLU1OS	6.888474	7.216553	6.861487	7.099898	7.080022	6.959318	6.96709	7.014266	6.852994	6.94592	6.826472	6.831507
CLMN	CLMN	7.023171	7.278395	6.933065	7.254245	7.077229	7.149977	6.962287	6.979809	7.005427	7.008207	6.775497	6.940308
CLN3	CLN3	7.862344	8.028627	7.618331	7.883501	7.751221	7.851135	7.751205	7.792427	7.695909	7.81881	7.848562	7.775159
CLN5	CLN5	7.781907	8.417477	8.031806	8.66391	8.891079	9.118815	8.62386	8.391629	8.645938	8.339505	8.401645	8.797314
CLN6	CLN6	7.687363	8.034973	7.608308	7.6802	7.258059	7.506644	7.329625	7.233092	7.336608	7.162337	7.008964	7.140552
CLN8	CLN8	7.37271	7.350356	7.07867	7.324028	7.142098	7.435862	7.298311	7.03341	6.877919	7.324933	7.007082	7.300081
CLNS1A	CLNS1A	12.12448	12.4518	11.79011	11.79421	11.76712	11.75422	11.0781	11.26199	11.15541	11.13347	11.05941	10.80033
CLOCK	CLOCK	7.790265	7.727204	7.274359	7.67596	7.535638	7.808421	7.68378	7.554569	7.566573	7.57773	7.303821	7.728741
CLPB	CLPB	7.005248	7.129108	6.771323	6.924773	7.025915	7.101582	6.918116	6.988369	6.9016	7.133647	6.872352	6.969357
CLPP	CLPP	9.201749	9.364909	8.728587	9.021206	9.071756	9.406369	9.194093	9.186562	9.199171	9.390046	9.394014	8.941884

CLPS	CLPS	6.837164	6.930437	6.749799	7.022078	6.947484	6.862395	6.836544	6.95021	6.828013	6.873107	6.843695	6.761257
CLPTM1	CLPTM1	9.023942	9.292952	8.789772	9.247384	9.204617	9.490668	9.025784	9.433231	9.075758	9.493375	10.22667	9.541597
CLPX	CLPX	9.51847	9.724353	9.319527	9.390159	9.301692	10.15781	9.363845	9.609532	9.541465	9.533709	9.352032	9.399308
CLRN3	CLRN3	6.88104	7.206309	6.858075	7.30133	7.022824	7.15287	6.951601	6.991669	7.04198	7.073479	6.991851	6.86801
CLSPN	CLSPN	7.135778	7.502372	7.023531	7.240911	7.097833	7.217068	7.006828	6.971305	7.112297	7.109734	6.865232	6.882337
CLSTN1	CLSTN1	9.39598	9.328902	8.833958	9.316898	9.081489	8.807337	8.758023	9.002997	9.070232	8.974561	9.391716	8.950802
CLSTN2	CLSTN2	7.119081	7.475644	7.279218	7.977042	8.348812	8.372765	7.656402	7.826777	7.943695	7.623508	7.535791	7.346596
CLSTN3	CLSTN3	6.884257	7.227243	6.962144	7.097378	7.039915	6.993367	6.961911	7.017838	6.99738	6.983866	6.919719	7.094714
CLTA	CLTA	10.54694	11.02275	10.39253	10.79164	10.47478	10.47983	9.853135	9.908607	10.09756	9.920904	10.18206	9.676358
CLTB	CLTB	9.113593	9.798508	9.321555	10.03177	10.33432	11.51871	11.1261	11.06951	11.17491	11.24935	11.16492	11.09454
CLTC	CLTC	8.491	9.021541	8.473727	8.623776	8.453199	8.352367	8.256149	7.917216	8.235883	8.042109	8.274163	8.262588
CLTCL1	CLTCL1	7.27056	7.643887	7.081297	7.257041	7.160503	7.148582	7.031704	7.118442	7.073254	7.060699	6.905636	6.970057
CLU	CLU	6.844979	7.041037	6.765115	7.021244	6.920679	6.976594	6.862812	6.906299	6.890021	6.982665	6.74697	6.828217
CLUAP1	CLUAP1	12.72295	13.15737	12.73674	13.14885	12.93165	12.87093	13.00196	12.83193	12.99791	12.95288	12.51462	12.86559
CLUL1	CLUL1	6.979072	7.055818	6.856206	7.066702	6.96941	7.068036	6.921834	6.975532	6.965387	6.999177	6.859991	6.832771
CLYBL	CLYBL	8.613832	8.196243	7.605466	7.65087	7.831296	8.945203	8.578605	8.3869	8.445701	8.379935	8.001488	8.338948
CMA1	CMA1	6.932039	7.107422	6.850112	6.933489	6.931909	6.945069	6.908512	6.926106	6.914998	6.753735	6.793664	6.819319
CMAH	CMAH	6.803051	6.986169	6.767488	6.996636	6.930122	7.036726	7.008349	7.01043	6.911764	6.954787	7.025673	6.979027
CMAS	CMAS	10.94895	11.02132	10.48033	10.20355	10.27943	11.17581	10.60902	10.84725	10.79411	10.75076	10.72543	10.58394
CMIP	CMIP	9.137526	8.748599	8.291927	8.98436	8.764406	8.346678	7.865597	7.996955	8.157986	7.794842	7.76337	7.672116
CMKLR1	CMKLR1	6.809627	7.029626	6.800792	6.98038	6.870393	6.910837	6.95885	7.046462	6.8735	7.048842	6.690849	6.795222
CMKOR1	CMKOR1	7.734328	8.544788	9.901161	12.36051	12.59127	10.55091	9.258714	9.104696	9.524157	8.64948	8.34752	7.735976
CML2	CML2	6.800451	7.141912	6.65909	7.026302	6.919165	7.021777	6.823989	6.893549	6.858242	7.015341	6.822135	6.746263
CMPK	CMPK	8.385484	8.663451	8.479428	8.904969	9.200425	9.717673	9.533765	9.452993	9.639025	9.596945	9.843584	9.758209
CMTM1	CMTM1	6.890794	7.106297	6.886482	7.105952	7.040034	6.982832	6.981877	6.994012	6.991365	6.971576	6.857279	6.912997
CMTM2	CMTM2	6.808884	6.956202	6.68458	6.931456	7.022488	6.966201	6.817365	6.884959	6.722724	6.788873	6.724729	6.716077
CMTM3	CMTM3	8.453461	9.292936	9.289566	9.529709	9.590289	9.647399	9.160516	9.382077	8.993575	8.849259	9.198957	8.80139
CMTM4	CMTM4	8.734896	8.550823	8.0944	8.371019	8.441029	8.565358	8.287324	8.385619	8.238509	8.300675	8.076797	8.216977
CMTM5	CMTM5	6.911726	7.046267	6.731503	7.009513	6.948224	7.064942	6.923244	7.015022	6.946738	6.913133	6.765569	6.815629
CMTM6	CMTM6	9.984189	10.41154	10.5033	10.68289	10.34098	10.23445	9.56672	9.645879	9.318382	9.142411	9.700952	9.349746
CMTM7	CMTM7	10.44124	10.46965	10.2739	10.2566	9.65571	8.917566	8.587872	8.30217	8.458814	7.96727	8.735627	7.95744
CMTM8	CMTM8	9.380556	9.291598	9.181513	9.441091	8.720655	8.032192	7.760369	7.780735	7.83012	7.688641	7.744432	7.680936
CMYA1	CMYA1	6.824188	6.877149	6.796351	7.751027	8.648284	10.55381	9.85321	10.26171	9.528324	10.59544	10.07008	9.825886
CMYA3	CMYA3	6.809075	7.054078	6.72252	6.996155	6.896659	7.081441	7.193122	7.551368	7.555112	7.950414	7.446455	7.961187
CMYA5	CMYA5	7.626566	7.818484	7.459111	8.318953	8.750675	10.74201	10.71083	11.20089	10.59911	11.52089	11.09522	11.1725
CNAP1	CNAP1	10.72745	10.60555	10.00233	10.15505	9.708949	9.508615	8.945511	8.946347	8.923539	8.812892	8.424344	8.372549

CNBD1	CNBD1	6.76659	7.028622	6.693879	6.946732	6.88205	6.758004	6.852592	6.848546	6.845738	6.76335	6.712394	6.771382
CNBP	CNBP	11.94873	12.41268	11.91648	11.82366	11.67538	12.22692	11.84621	11.7476	11.92255	11.91944	11.83304	11.92794
CNDP1	CNDP1	7.043251	7.115243	6.800099	7.077142	7.018158	7.085539	7.054856	7.081072	6.881809	7.022109	6.819039	6.965049
CNDP2	CNDP2	12.68853	13.11151	12.42874	12.31923	11.9598	12.32907	11.68798	11.41986	11.36139	11.16925	10.89066	10.74724
CNFN	CNFN	9.268031	9.485742	8.627896	8.423467	8.056074	7.903585	7.661244	7.586326	7.436692	7.605119	7.2127	7.093964
CNGA1	CNGA1	7.019652	7.005816	6.760698	7.081013	7.019732	7.065891	6.904052	6.96754	7.052085	6.976673	6.851178	6.804962
CNGA2	CNGA2	6.823683	6.989035	6.923107	7.108309	6.949917	7.011627	7.001766	6.953207	6.875002	6.922615	6.814987	6.886931
CNGA3	CNGA3	6.927568	7.176726	6.923711	7.070201	6.983007	7.083246	6.948462	6.992393	6.875193	7.058509	6.868512	6.898682
CNGA4	CNGA4	6.895487	7.066666	6.914724	7.086647	6.97527	6.890893	6.957976	6.972577	6.935161	6.932176	6.792584	6.86892
CNGB1	CNGB1	7.376798	7.69213	7.294512	7.316954	7.281026	7.377042	7.345205	7.161317	7.457366	7.149937	7.101685	7.466638
CNGB3	CNGB3	6.874901	7.057916	6.639895	6.933163	6.913781	6.829617	6.721002	6.931104	6.762541	6.863853	6.741961	6.881766
CNIH	CNIH	10.90025	11.4682	10.73424	11.04469	11.45781	11.54372	10.90384	11.07175	11.24277	11.04503	11.36813	10.7981
CNIH2	CNIH2	7.592989	7.797396	7.097526	7.336687	7.255404	7.102948	7.102928	7.210924	7.366564	7.222725	7.100297	7.027307
CNIH3	CNIH3	7.253597	7.626297	7.33146	7.501434	7.287117	7.038723	7.004535	7.108218	7.071407	7.003666	7.266947	7.34862
CNIH4	CNIH4	11.75945	13.01097	11.55789	11.55645	11.26005	11.24548	11.18667	10.72545	11.27504	11.15179	11.13094	10.81891
CNKSR1	CNKSR1	7.046468	7.201286	6.897262	7.109099	6.990474	7.144012	6.942739	7.02695	6.896637	7.080839	6.9121	6.847663
CNKSR2	CNKSR2	7.138833	7.195916	6.901608	6.992007	6.956461	7.237456	7.053988	7.033795	7.02104	7.020561	6.8467	6.928392
CNKSR3	CNKSR3	8.256427	9.218941	10.15302	9.033795	9.78592	9.55995	9.50095	9.65209	9.381311	9.539702	8.941351	8.371502
CNN1	CNN1	7.401016	8.539619	7.532384	8.174524	8.670493	10.66661	10.55498	11.05626	10.30003	10.72714	10.67814	9.000866
CNN2	CNN2	10.92323	11.28072	10.21868	10.77138	10.34439	9.903771	9.557745	9.247701	9.639734	9.168957	9.519012	9.648499
CNN3	CNN3	12.85189	13.27296	12.79195	13.401	13.01272	12.5694	12.25173	12.43092	12.63205	12.28328	12.29361	12.24424
CNNM1	CNNM1	7.223377	7.281578	7.117001	7.148568	7.183416	7.270715	6.944694	7.147592	7.098408	7.14821	6.89447	7.064376
CNNM2	CNNM2	7.093556	7.310329	6.916372	7.142997	7.086106	7.160224	6.943952	7.01109	7.00263	6.997029	6.921418	6.976075
CNNM3	CNNM3	8.708152	8.828422	8.139857	8.484821	8.343979	8.411203	7.983034	7.919481	7.856344	7.911837	7.738368	7.871325
CNNM4	CNNM4	7.468996	7.407788	7.23707	7.315201	7.297674	7.488554	7.366695	7.729463	7.34756	7.599575	7.128042	7.183866
CNO	CNO	9.571587	9.853331	9.311767	9.707762	9.727454	9.771844	9.594732	9.341069	9.596882	9.529618	9.477432	9.888393
CNOT1	CNOT1	10.47426	10.61975	10.10928	10.43544	10.07864	9.803894	9.120091	9.096283	8.858569	8.771013	8.552919	8.528541
CNOT10	CNOT10	9.156354	9.629739	9.259558	9.15536	8.819398	9.015057	8.519435	8.586717	8.479707	8.372982	8.234805	8.133661
CNOT2	CNOT2	10.28193	10.67604	10.98632	10.61885	10.38957	10.75543	10.01765	10.30866	10.14927	10.09175	9.95482	9.767236
CNOT3	CNOT3	8.350507	8.646925	8.148917	8.323967	7.944403	8.332239	7.609787	7.709284	7.740375	7.874931	8.092958	7.551757
CNOT4	CNOT4	7.951648	8.405846	7.883066	8.234966	8.093934	8.300459	8.05219	8.255487	7.978769	8.113919	8.112666	7.895132
CNOT6	CNOT6	8.670573	8.730932	8.658725	9.276567	9.238357	9.441575	8.822841	8.709887	8.490938	8.445249	8.334834	8.441726
CNOT6L	CNOT6L	7.023288	7.244308	6.926774	7.183652	7.233938	7.173145	6.992484	7.117569	7.06323	7.115914	6.966169	7.037044
CNOT7	CNOT7	10.04622	10.42805	10.269	10.05752	9.726515	10.12603	9.398718	9.419714	9.572243	9.359504	9.339793	9.234033
CNOT8	CNOT8	9.193683	9.3006	9.094065	9.279312	8.89854	8.779251	8.537188	8.377529	8.678472	8.507905	8.204858	8.678698
CNP	CNP	6.852449	7.034763	6.782557	7.035621	7.00695	7.227222	6.911466	6.987596	6.998933	7.102019	6.711604	6.876991

CNR1	CNR1	6.750527	7.18174	7.472587	7.569067	7.921998	7.037348	6.96421	6.886351	7.386019	6.969655	6.827651	6.71134
CNR2	CNR2	6.860529	7.111203	6.859701	6.987838	6.873489	6.987004	6.793283	6.974293	6.91973	6.941668	6.84904	6.831987
CNTD	CNTD	6.906341	7.043508	6.745396	6.896825	6.856828	7.118736	6.920882	6.928677	6.869087	6.961102	6.792742	6.853689
CNTF	CNTF	6.785715	7.051039	6.758111	6.915107	6.968639	6.831942	6.824043	6.954544	6.838096	6.922646	6.69123	6.900467
CNTFR	CNTFR	6.91697	7.174493	8.15821	7.672976	7.675598	7.502722	7.258638	7.423293	7.482899	7.20604	6.992178	6.935582
CNTN1	CNTN1	7.555178	7.758664	6.926391	7.079616	6.991715	7.414866	7.177073	7.459209	7.209657	7.138814	7.1126	7.020445
CNTN2	CNTN2	7.075202	7.257747	6.812025	7.12097	7.104636	7.145698	6.962851	6.95236	7.944633	6.918605	6.831953	6.928508
CNTN3	CNTN3	6.957233	7.108674	6.83599	7.110135	7.024296	7.010194	6.822011	6.963016	7.064413	6.857087	6.778054	6.937158
CNTN4	CNTN4	6.884976	7.188961	6.817457	7.082275	6.943338	7.048871	6.937331	7.013836	6.988703	7.033929	6.87129	6.857653
CNTN5	CNTN5	6.770682	7.007087	6.758884	7.052128	7.097624	7.021764	6.911275	6.96135	6.93636	6.953529	6.710835	6.816052
CNTN6	CNTN6	7.504249	7.674891	7.539158	7.505019	7.25149	7.284564	7.255979	7.33198	7.186082	7.243817	7.118332	7.115822
CNTNAP1	CNTNAP1	8.247187	7.832062	7.973393	7.82106	8.423906	8.57212	8.871108	8.968757	9.27438	8.88709	9.069598	8.509298
CNTNAP2	CNTNAP2	11.97441	12.4012	12.97225	12.19773	10.84658	8.845002	8.231634	8.023248	9.228369	7.191885	7.019254	6.830364
CNTNAP3	CNTNAP3	7.010309	7.142357	6.928943	7.038904	7.004095	7.206194	6.996029	7.154892	6.990744	7.241033	7.08822	6.844373
CNTNAP3I	CNTNAP3I	7.025604	7.463482	7.268539	7.254669	7.213589	7.238352	6.974973	7.146956	7.087997	7.029719	7.005387	6.991767
CNTNAP4	CNTNAP4	6.85489	7.009659	6.830137	7.294114	7.412229	6.965519	6.951354	7.036338	6.908441	6.959207	6.76741	6.846986
CNTNAP5	CNTNAP5	7.004335	7.167313	6.927634	7.222879	7.179301	7.121588	7.011829	7.083436	7.078932	7.140733	6.856079	6.953946
CNTROB	CNTROB	7.311988	7.482107	7.050358	7.527638	7.408977	7.275957	7.16304	7.180457	7.357998	7.311396	7.125007	7.11989
COASY	COASY	9.948607	9.983879	9.215231	9.450488	9.159808	9.628292	9.228336	9.062425	9.375375	9.408327	8.956153	9.381924
COBL	COBL	10.25635	10.03795	8.2462	8.511497	8.004266	7.500365	7.62807	8.185875	7.895673	8.268163	7.860817	7.897428
COBLL1	COBLL1	8.063146	8.995799	9.263801	12.04977	12.95561	10.49219	9.726694	9.538943	9.488364	9.09903	8.798	9.228618
COBRA1	COBRA1	8.804787	9.120764	8.497037	8.716749	8.603895	8.754706	8.289301	8.469783	8.330923	8.488399	8.683096	8.533878
COCH	COCH	8.972957	9.502698	9.975036	8.134929	7.506483	7.279803	7.150913	7.35579	7.33006	7.114208	7.049734	7.311005
COG1	COG1	7.585556	7.811337	7.532026	7.899194	7.958968	8.149445	7.955217	8.007087	7.955605	8.020884	7.875282	7.929847
COG2	COG2	9.460654	9.826994	9.525781	10.47278	9.760881	10.2111	9.679556	9.784942	9.776216	9.94603	9.348699	9.799456
COG3	COG3	7.69895	8.147128	7.783332	8.591633	8.330333	8.591994	8.260092	8.181309	8.216948	8.102976	7.97927	8.241224
COG4	COG4	7.94118	8.287735	7.97377	8.237164	8.08142	8.451033	8.192219	8.211603	8.154879	8.282238	7.920518	8.191846
COG5	COG5	7.636208	8.05077	7.531656	7.892464	8.077341	8.562046	8.556653	8.664633	8.774675	8.983823	8.664391	8.713347
COG6	COG6	8.415659	8.658232	8.716609	9.551963	9.35166	10.24201	9.39691	9.621609	9.525884	9.551079	9.546204	9.734318
COG7	COG7	7.299631	7.460074	7.227015	7.443138	7.297788	7.436743	7.203208	7.406717	7.316083	7.438162	7.523943	7.324823
COG8	COG8	7.297385	7.569258	7.18674	7.491683	7.222479	7.60556	7.239965	7.288912	7.148454	7.181267	7.134652	7.157067
COIL	COIL	9.961553	10.33415	10.07312	10.09612	9.89924	10.96958	10.03597	10.06298	10.05507	9.813609	9.435695	9.511386
COL10A1	COL10A1	6.811532	6.876763	6.730549	6.927435	6.907737	6.882018	6.888531	6.857378	6.828747	6.857532	6.829986	6.932012
COL11A1	COL11A1	7.630581	7.81686	7.293629	8.287805	8.813101	8.239211	7.639616	7.621445	7.67258	7.443245	7.619371	7.723681
COL11A2	COL11A2	6.93625	7.157411	6.867566	7.154152	7.016336	7.218134	7.173878	7.164366	7.166606	7.210364	6.864659	7.022446
COL12A1	COL12A1	7.325586	7.894759	7.137141	7.398087	7.189757	7.4376	7.329699	7.823708	7.811422	7.771258	8.661719	8.92253

COL13A1	COL13A1	7.528621	7.34581	9.621245	9.139087	9.669306	9.192345	8.629441	8.405098	8.457169	8.381663	8.431113	7.815567
COL14A1	COL14A1	7.450116	7.588825	7.119799	7.474722	7.378512	7.341929	7.316601	7.432442	7.878581	7.461545	7.14548	7.194905
COL15A1	COL15A1	6.916748	7.009773	6.781715	7.118754	8.523783	7.144814	7.337408	7.948146	8.265231	8.230624	9.09748	8.327619
COL16A1	COL16A1	7.606097	8.080808	7.362211	7.451291	7.835938	8.643903	9.524478	9.504053	10.08888	9.321514	8.854016	8.923806
COL17A1	COL17A1	6.934498	7.384738	6.987348	7.25628	7.12678	7.203211	6.957636	7.107144	7.351912	7.144049	6.929947	7.106271
COL18A1	COL18A1	9.881338	9.854093	9.36544	11.15632	10.6858	10.64762	10.73047	10.34198	9.891067	9.926088	9.136342	9.21084
COL19A1	COL19A1	6.892834	6.951365	6.77269	7.093149	6.881633	6.983853	6.872061	6.966306	6.915303	7.040638	6.783216	6.865933
COL1A1	COL1A1	8.958636	10.48888	8.271857	12.00038	12.59196	10.6362	11.6624	12.52535	12.90512	12.60126	13.83472	12.49412
COL1A2	COL1A2	9.41849	9.970196	10.43908	12.4495	13.08725	10.52509	11.53729	12.56704	12.81067	12.28216	13.62922	12.83909
COL20A1	COL20A1	7.551195	7.72331	7.040019	7.317513	7.200493	7.566369	7.214451	7.201682	7.224666	7.308641	7.040585	7.102745
COL21A1	COL21A1	6.874898	6.997582	6.83053	7.197918	7.978627	7.39149	8.251941	8.852974	9.226144	9.40308	8.685532	8.321823
COL22A1	COL22A1	6.933449	7.109539	6.8506	7.107105	6.996339	7.071668	6.94794	6.908834	6.863908	7.0521	6.727554	6.868123
COL23A1	COL23A1	7.633446	7.433103	8.26234	8.543739	8.903705	7.708727	7.280639	7.260292	7.659866	7.299521	7.038612	7.021239
COL24A1	COL24A1	6.962674	7.296368	7.065534	7.226835	7.065906	7.241113	7.310293	7.303138	7.369862	7.277899	7.317542	7.470172
COL25A1	COL25A1	6.912874	7.029796	6.709214	7.059487	6.90405	6.953045	6.84679	6.906454	6.838579	6.925521	6.733967	6.84882
COL27A1	COL27A1	7.236679	7.285567	7.029388	7.723854	7.361594	7.311213	7.215689	7.219578	7.297576	7.300423	7.157596	7.057967
COL28	COL28	6.895822	7.098261	6.785332	7.009405	6.992539	6.94157	6.846232	6.977335	6.772873	6.779338	6.815408	6.841331
COL2A1	COL2A1	7.234205	7.231362	7.846983	9.254731	9.378479	10.28231	8.935032	8.387657	8.173665	7.748869	6.992865	7.058893
COL3A1	COL3A1	6.807538	6.929671	8.02859	13.61403	14.65243	12.72682	13.058	13.40335	13.67059	12.95771	13.44853	12.69401
COL4A1	COL4A1	10.96624	11.08797	11.78489	12.839	12.32788	12.13808	12.4412	12.72954	12.61545	12.62313	12.83384	12.22443
COL4A2	COL4A2	7.954287	8.003481	7.983096	9.178964	8.934116	8.971146	8.920935	9.211405	8.952081	9.217907	9.490277	8.620127
COL4A3	COL4A3	6.856084	7.151105	6.796003	7.075563	6.86998	6.926223	6.873938	6.900604	6.904537	6.969544	6.787023	6.900261
COL4A3BP	COL4A3BP	9.655926	10.20423	9.467179	9.381235	9.174291	9.604149	9.17318	9.103793	9.054275	8.787262	8.64744	9.130619
COL4A4	COL4A4	6.853522	7.024121	6.795314	7.006697	6.987134	6.91464	6.759037	6.82404	6.810978	6.887905	6.811186	6.816363
COL4A5	COL4A5	9.467041	9.817742	10.88797	11.57692	11.98537	12.31908	11.78586	11.99976	11.62649	11.43822	10.94903	10.44863
COL4A6	COL4A6	7.613508	7.677391	9.081257	9.140031	9.50565	10.27778	9.492035	9.487632	9.214264	8.910401	8.297167	7.95931
COL5A1	COL5A1	8.458517	8.581704	11.27327	12.71995	13.11931	10.83476	11.50349	11.75294	12.34989	11.51587	12.31543	11.40359
COL5A2	COL5A2	9.146108	9.314116	11.09986	12.24254	12.80909	12.35862	11.91286	12.139	12.20356	11.62427	12.24857	11.52799
COL5A3	COL5A3	6.880228	7.201972	6.748447	6.885639	6.735846	6.924316	6.849245	6.858936	6.856118	6.956941	6.832973	6.837874
COL6A1	COL6A1	9.445663	9.541866	10.63667	11.70127	11.69472	10.45986	9.850472	9.671162	10.01188	9.142359	10.04557	9.737905
COL6A2	COL6A2	7.274896	7.383129	7.452648	8.868882	8.860273	7.85866	7.738537	7.838021	7.771909	7.554493	8.191106	7.997871
COL6A3	COL6A3	7.13943	7.310647	7.518923	11.93032	11.90535	10.11929	10.20313	10.39219	11.3266	10.56506	12.16368	11.37355
COL7A1	COL7A1	8.641366	9.124768	8.562408	9.487005	9.579972	11.18862	10.60613	10.27941	9.797163	9.983224	9.344249	9.249864
COL8A1	COL8A1	7.056896	7.488307	7.02056	7.30814	7.267896	7.488181	7.312271	7.446457	7.482632	7.719004	8.908864	9.213383
COL8A2	COL8A2	7.603519	7.615813	7.187591	7.479661	8.934974	7.474476	7.261341	7.359672	7.473109	7.36372	7.192031	7.223032
COL9A1	COL9A1	7.913091	8.072155	7.430351	7.442094	7.416241	8.422012	8.580869	8.789026	8.136459	8.547896	7.258596	7.109752

COL9A2	COL9A2	7.362743	8.102712	11.03772	9.255565	7.553451	7.480135	7.769166	7.622544	7.369652	6.954146	6.90555	6.840165
COL9A3	COL9A3	7.26569	7.581485	7.094373	7.326647	7.170708	7.214635	7.093607	7.219247	7.180182	7.211553	6.926151	6.902231
COLEC10	COLEC10	6.82517	7.023127	6.741656	7.027283	6.950541	6.999415	6.932256	6.991288	7.048016	7.128037	7.179281	7.228101
COLEC11	COLEC11	6.907276	7.170166	6.895319	7.054358	7.042774	6.956792	7.034633	7.032684	6.998016	6.977109	6.876171	6.880729
COLEC12	COLEC12	7.08235	7.239607	10.06884	10.81715	10.57659	9.106282	8.414552	8.107893	8.172858	7.566185	7.202041	7.350409
COLQ	COLQ	7.013641	7.128089	7.016566	7.366059	7.549642	8.133592	8.730115	9.325343	8.92644	9.550313	8.895886	8.313523
COMMD1	COMMD1	10.27538	11.27039	10.60614	11.13945	11.27314	11.97142	11.73571	11.62999	11.77183	11.95805	11.39194	11.10589
COMMD10	COMMD10	10.29648	10.57626	9.934098	9.60838	9.609186	10.45741	10.16436	10.41703	10.39738	10.38353	10.30274	9.91521
COMMD2	COMMD2	9.984819	10.62967	9.923109	9.925726	9.692123	10.19156	9.63637	9.573257	9.740533	9.67482	9.80186	9.519164
COMMD3	COMMD3	8.468299	8.909158	9.469845	10.66828	11.56004	12.61274	12.29954	12.47968	12.53359	12.66483	12.34937	12.19519
COMMD4	COMMD4	9.862134	10.4185	9.98572	9.832889	9.420189	9.553319	9.249186	9.320604	9.217749	9.17518	9.017229	8.596886
COMMD5	COMMD5	8.521715	9.034776	8.340904	8.475484	8.407419	8.818076	8.460645	8.461211	8.566582	8.58688	8.405495	8.341252
COMMD6	COMMD6	11.09692	11.64796	11.14631	11.26573	11.83775	12.43584	12.17929	12.05504	12.19763	12.25426	11.99802	11.11759
COMMD7	COMMD7	11.8161	12.3396	11.81958	12.09381	12.2231	12.78835	12.44002	12.65923	12.48308	12.59635	12.4245	12.23735
COMMD8	COMMD8	8.022404	7.932678	8.089924	8.494655	8.754548	9.538405	9.043444	9.326336	9.300828	9.2056	9.39067	8.900899
COMMD9	COMMD9	8.616555	9.386396	9.059333	9.282653	8.872376	9.443086	9.011276	9.037574	9.157621	9.15977	9.069298	9.019826
COMP	COMP	6.79035	7.08161	6.870754	7.079746	6.818547	6.861106	6.824312	6.813046	6.860664	6.844582	6.799864	6.795845
COMT	COMT	8.384724	8.558754	7.946589	7.956289	8.164483	8.22098	8.15273	8.483213	8.422008	8.693481	8.910875	8.574753
COMTD1	COMTD1	8.046525	8.434419	7.556122	7.722866	7.804237	9.274947	8.767193	8.670778	8.552291	8.84519	8.975707	8.886148
COP1	COP1	6.809716	7.01364	6.836764	6.992969	7.01477	7.041752	6.957409	6.962331	6.898382	6.964476	6.796582	6.902387
COPA	COPA	10.99943	11.63051	11.32757	11.73062	11.81298	11.97507	11.45219	11.85677	11.56264	11.50863	11.73914	10.94724
COPB	COPB	10.40585	11.06594	11.08394	11.47763	11.32335	11.57968	10.98287	11.13435	11.08902	11.07838	11.13621	11.155
COPB2	COPB2	10.56161	11.11209	11.2049	11.69702	11.39082	11.88637	11.04696	11.34654	11.0134	11.14711	11.32522	10.98501
COPE	COPE	9.754752	10.09794	9.775459	10.24902	10.13291	10.62155	10.15583	10.39258	10.23565	10.34759	10.68857	10.00865
COPG	COPG	9.217712	9.474183	9.476914	10.00746	10.02822	10.18492	9.906181	10.02265	9.977491	9.918866	9.90678	9.588449
COPG2	COPG2	8.100382	8.618781	8.351559	8.298494	8.064903	8.209509	7.674261	7.749538	7.644694	7.642163	7.674457	8.22868
COPS2	COPS2	7.712105	8.069674	7.614997	8.054721	7.990139	8.181056	8.090985	7.691584	8.220541	7.984647	7.807031	8.289753
COPS3	COPS3	11.66314	12.0819	11.57485	11.81563	11.54185	12.39107	11.69383	11.85233	11.77686	11.91499	11.73487	11.50263
COPS4	COPS4	9.786987	10.41017	10.24918	10.4601	10.38411	11.27455	10.68072	10.7442	10.8259	10.86606	10.62402	10.53437
COPS5	COPS5	11.68185	12.16272	11.48213	11.66386	11.69686	12.7386	12.07666	12.38284	12.24914	12.26763	12.20448	11.87345
COPS6	COPS6	9.601903	9.92281	9.282295	9.688097	9.347679	10.06435	9.583839	9.661992	9.479339	9.662138	9.884521	9.583333
COPS7A	COPS7A	10.56658	10.83016	9.963962	10.02277	10.3799	11.46965	11.20526	11.23755	11.37504	11.39541	11.27362	11.58995
COPS7B	COPS7B	10.07392	10.18604	9.618142	9.964385	9.65544	9.680698	9.236631	9.111463	9.163716	9.088479	8.8912	8.605229
COPS8	COPS8	9.412874	9.957427	9.632345	10.06459	10.00244	10.30508	10.15082	10.05331	10.4081	10.28054	9.894203	10.26792
COPZ1	COPZ1	9.619455	9.648767	9.646309	10.30116	10.10527	10.55927	9.906163	10.32747	10.01023	10.24339	10.48609	9.76364
COPZ2	COPZ2	7.014218	7.155662	7.111761	7.232124	7.595686	7.443152	7.550642	7.674727	7.846544	7.809783	8.123582	7.868722

COQ10A	COQ10A	8.939658	8.935557	8.597514	8.817975	9.194159	10.77568	10.31549	10.71481	10.53882	10.92357	11.41066	11.15924
COQ10B	COQ10B	10.1822	10.62746	10.30512	10.30266	10.17615	11.72746	11.12809	11.27603	11.03491	11.29728	11.41618	11.34735
COQ2	COQ2	10.37299	10.95969	10.28063	9.739208	9.347528	10.26009	9.992891	10.11418	9.917072	10.10737	9.809436	9.111035
COQ3	COQ3	9.732125	10.22696	8.950628	8.470494	8.2598	10.31282	9.571285	9.44953	9.776744	9.855772	9.396464	9.357865
COQ5	COQ5	10.86798	11.33959	10.7601	11.05517	11.07656	11.48341	11.06415	11.2243	11.15238	11.06391	10.92174	10.77731
COQ6	COQ6	7.4415	7.819093	7.73873	8.166658	8.32606	9.126201	8.842962	8.975886	8.649431	8.884855	8.643889	8.564562
COQ7	COQ7	7.681791	7.704487	7.667927	8.117283	7.887333	8.44764	7.884574	8.192306	7.913952	8.189479	7.877771	7.841723
COQ9	COQ9	9.578055	9.742332	9.130504	9.530275	10.10117	11.2472	10.88105	11.06492	10.81787	11.06192	10.99787	10.53217
CORIN	CORIN	6.793086	6.916162	6.790864	7.371071	8.107743	10.18631	10.56486	10.70051	9.307976	10.42783	9.488535	9.691824
CORO1A	CORO1A	7.000485	7.244062	6.893736	7.047549	6.932157	6.90504	6.894569	6.960504	7.008553	6.994189	6.843275	6.854712
CORO1B	CORO1B	8.488199	8.967851	8.460193	8.765362	8.539459	8.451665	7.922897	8.138534	7.976002	7.952868	8.389003	7.905195
CORO1C	CORO1C	9.704044	10.25549	9.706768	10.62172	10.00305	10.03568	9.535741	9.422151	9.471424	9.498087	9.994825	9.181902
CORO2A	CORO2A	8.595443	8.260155	7.927438	7.961582	7.774793	7.337223	7.125812	7.116276	7.082469	7.021966	6.916215	6.873949
CORO2B	CORO2B	6.993004	7.214141	7.113961	7.068841	6.990777	7.107892	7.047919	7.208369	7.1942	7.170295	7.175675	7.145341
CORO6	CORO6	6.99283	7.215253	6.805318	7.200753	8.050514	10.09766	10.02511	10.54319	9.833297	10.30113	9.951866	9.030042
CORO7	CORO7	7.629265	7.867553	7.424199	7.75823	7.672985	7.808472	7.512838	7.619678	7.57274	7.581169	7.457475	7.560471
CORT	CORT	6.879746	7.152897	6.897186	7.116239	6.969751	7.235871	7.042677	7.16805	7.034713	7.174952	6.864718	6.832506
COTL1	COTL1	7.018316	7.474866	6.947681	7.239708	7.108524	7.182482	7.16847	7.026134	6.968974	6.909482	7.000714	7.003374
COVA1	COVA1	7.496167	7.744826	7.590701	7.72812	7.801862	8.279556	7.844956	7.942844	7.687027	7.746379	7.558792	7.509139
COX10	COX10	10.53472	10.68465	9.835542	9.970195	10.01364	10.585	10.30296	10.32031	10.2627	10.35188	9.872942	10.02928
COX11	COX11	7.159091	7.304884	7.445076	7.438324	7.545056	8.049811	7.665028	7.778362	7.748435	7.712873	7.610058	7.500694
COX11P	COX11P	7.163622	7.22886	7.055119	7.231915	7.163142	7.235896	7.055905	7.14137	7.1646	7.076921	6.966862	7.094352
COX15	COX15	8.178281	8.369276	7.707355	8.084118	8.102087	8.081582	8.016444	8.013358	7.963103	8.132386	7.937359	8.037544
COX17	COX17	11.7815	12.31993	11.76664	11.68495	11.84944	13.16991	12.80716	12.86709	12.95729	13.35548	13.27265	12.75281
COX4I1	COX4I1	13.80428	14.30189	13.55595	14.01088	14.06129	14.77091	14.65416	14.7149	14.66666	14.79231	14.54261	14.41588
COX4I2	COX4I2	6.856242	7.205539	6.893585	7.192615	7.071771	7.094025	6.954077	6.979621	6.968952	6.930585	6.824306	6.904069
COX4NB	COX4NB	8.50936	8.743038	8.480428	8.703255	8.541158	9.440887	8.66314	8.828519	8.657852	8.948867	8.704828	8.493572
COX5A	COX5A	13.39382	13.67302	12.4664	12.79022	13.28456	14.26524	14.07491	14.03943	14.03532	14.22589	13.81536	13.65623
COX5B	COX5B	12.5504	13.28203	12.61632	12.85227	12.98078	14.271	13.9377	13.67015	13.82076	13.88002	13.36564	13.28608
COX6A1	COX6A1	11.12359	11.79872	11.0078	11.18133	11.37383	12.54123	11.93007	11.51842	11.70043	11.63082	11.91367	11.26719
COX6A2	COX6A2	6.766582	6.903903	6.694755	6.847725	7.21114	7.464448	8.276383	8.699564	8.933839	9.84543	9.59511	9.885168
COX6B1	COX6B1	11.92767	12.40355	12.25339	12.33654	12.77455	13.70285	13.35537	13.41742	13.49827	13.50815	13.51331	12.80876
COX6B2	COX6B2	7.05107	7.179722	6.86358	7.076126	7.208227	7.03902	6.926081	6.979844	6.936394	7.054937	6.871154	6.885728
COX6BP1	COX6BP1	6.961545	7.176237	6.881339	7.133901	7.020443	7.081168	6.971146	7.123632	7.034582	7.055624	6.907295	7.096191
COX6C	COX6C	12.88067	13.46034	12.9549	13.19981	13.24942	14.0668	14.14561	13.98305	14.17859	14.18814	13.80207	13.66548
COX7A1	COX7A1	7.005227	7.080446	6.80858	7.020528	6.917476	6.996406	6.805748	7.062363	6.86405	6.788026	6.778576	6.741362

COX7A2	COX7A2	13.42818	14.10274	13.30958	13.64333	13.71417	14.37592	14.08733	13.98918	14.21225	14.29503	14.22077	13.50621
COX7B	COX7B	11.36556	12.16065	11.38938	11.57267	12.08548	13.55007	13.59728	13.13523	13.63085	13.71554	13.20815	12.96699
COX7B2	COX7B2	6.831072	6.884956	6.786749	7.023663	6.890103	6.908602	6.823163	6.873649	6.857967	6.946049	6.822699	6.751937
COX7C	COX7C	14.47475	14.80707	13.81977	13.75732	14.37499	14.93478	14.90628	15.0033	14.97577	15.05408	14.94179	14.34707
COX8A	COX8A	12.87706	13.42595	12.66079	12.96725	13.29268	14.09281	14.00954	14.03811	13.94977	14.28144	14.22951	13.53516
COX8C	COX8C	7.039578	7.132766	6.870019	7.006344	6.968953	7.032638	6.920871	6.8715	6.906945	6.944161	6.828946	6.840337
CP	CP	6.903691	7.165642	6.846003	6.980823	6.868719	7.035071	6.919558	6.971028	6.9388	6.926961	6.795631	6.836316
CP110	CP110	9.574096	9.753223	9.188629	9.806274	9.478715	10.15031	9.686709	9.312109	9.577632	9.266687	8.600166	8.951118
CPA1	CPA1	6.815534	7.051425	6.84252	7.104782	7.062288	7.020334	6.968508	7.048527	6.939435	6.90457	6.757979	6.792858
CPA2	CPA2	6.917002	7.075004	6.792904	7.084097	6.871671	7.058165	6.855146	6.816234	6.801549	6.933849	6.770653	6.801041
CPA3	CPA3	6.910752	7.125891	6.846042	7.143326	6.964031	6.996129	6.77292	6.915046	6.884748	6.971776	6.898581	6.812237
CPA4	CPA4	6.838594	6.933614	6.786831	7.212853	7.033032	7.28228	7.385031	8.010835	7.911456	8.08592	9.619438	7.849409
CPA5	CPA5	6.936391	7.236719	6.831001	7.113528	6.955476	7.108525	6.925354	6.914247	6.949072	6.984708	6.828878	6.810244
CPA6	CPA6	6.812472	6.903421	6.639023	6.964898	6.890784	6.788047	6.74011	6.790292	6.8479	6.83731	6.734654	6.757492
CPAMD8	CPAMD8	6.910555	7.241565	6.857874	7.276247	7.193333	7.235214	6.883245	6.817538	6.903976	6.893674	6.759145	6.724751
CPB1	CPB1	6.932033	7.174771	6.76797	7.15301	6.9428	6.963519	6.973356	7.013348	7.014694	7.080001	7.034559	6.813766
CPB2	CPB2	6.842456	7.068366	6.718442	7.027476	6.934309	6.888466	6.812584	6.904134	6.889145	6.871772	6.692433	6.827825
CPD	CPD	9.957385	10.415	10.8053	10.37756	10.14245	10.2008	9.785959	9.737819	9.812037	9.705028	9.961288	10.04137
CPE	CPE	7.926956	8.897425	9.570361	11.10691	10.8818	10.88899	10.64557	10.2714	10.485	10.15974	9.981313	10.06567
CPEB1	CPEB1	7.013475	7.387531	6.933006	7.011215	6.941447	7.424348	7.116236	7.173116	7.224078	7.150636	6.98163	7.186605
CPEB2	CPEB2	7.063979	7.416315	7.233818	7.463836	7.456389	8.061674	7.771709	7.790204	7.681865	7.630016	7.70328	7.595397
CPEB3	CPEB3	7.177318	7.549986	7.061921	7.565263	7.694453	8.476557	8.3963	8.48317	8.302973	8.434849	7.912758	8.361271
CPEB4	CPEB4	7.172279	7.430146	6.941848	7.650003	7.570955	8.806443	8.270844	8.397212	8.286491	8.482751	8.171311	8.60399
CPLX1	CPLX1	7.08655	7.265017	6.861141	7.211188	7.062775	7.307568	7.115033	7.103853	7.169073	7.02347	7.063727	7.040278
CPLX2	CPLX2	6.941014	7.148548	6.89639	7.067046	6.95213	7.088702	6.901642	6.928596	6.849005	7.042604	6.851033	6.890437
CPLX3	CPLX3	6.921741	7.04777	6.853482	7.080581	6.889927	6.993949	6.951351	6.876372	6.981483	7.018863	6.850473	6.818211
CPLX4	CPLX4	6.822483	7.143407	6.762982	7.075512	6.984869	7.012745	6.738125	7.004804	6.904566	6.924065	6.83344	6.779184
CPM	CPM	8.026681	8.093447	7.122256	7.463291	7.13943	7.204606	7.057224	7.086634	7.031725	7.0582	6.951276	6.964761
CPN1	CPN1	6.779881	7.130015	6.846377	7.250899	6.924046	6.878832	6.899596	6.916771	6.905497	6.912967	6.69191	6.854131
CPN2	CPN2	7.075971	7.159189	6.92343	7.151327	7.109508	7.042557	6.995378	7.059479	6.936957	7.034284	6.837043	6.986804
CPNE1	CPNE1	8.87265	8.86954	8.449828	8.804124	8.740624	8.883316	8.43076	8.652729	8.485911	8.5761	8.526969	8.303304
CPNE2	CPNE2	6.949597	7.111533	6.885362	7.294739	7.202759	6.998443	6.982457	7.072367	6.960297	7.025575	6.941717	6.970236
CPNE3	CPNE3	10.22671	10.40514	10.47243	10.97698	11.05481	11.60518	10.969	11.35548	11.06601	11.19087	11.30001	11.28264
CPNE4	CPNE4	7.296213	7.747905	6.928571	7.200094	7.123618	7.047594	6.923253	6.889846	6.982225	7.055803	6.740886	6.953708
CPNE5	CPNE5	6.902008	6.993151	6.82342	7.122758	7.050714	7.810482	7.581729	8.071646	7.675859	8.410843	7.955807	7.616524
CPNE6	CPNE6	6.815267	6.991974	6.888514	7.002284	6.854104	6.93718	6.914539	6.988256	6.909494	6.954255	6.835715	6.823299

CPNE7	CPNE7	6.92223	7.176977	6.864613	7.012029	6.98826	6.963148	6.870073	7.005982	6.899561	6.944397	6.788991	6.81257
CPNE8	CPNE8	6.98556	7.027717	6.827602	6.996067	6.887733	6.96564	6.853232	6.905557	6.895101	6.927981	6.742175	6.813503
CPNE9	CPNE9	7.0523	7.180671	6.813935	7.063577	7.028704	7.110927	7.068849	6.93743	6.932761	6.85801	6.823946	6.996835
CPO	CPO	6.987471	7.08991	6.915502	7.041085	6.972394	7.102275	6.891911	7.118498	6.950531	7.109979	6.840302	6.907088
CPS1	CPS1	8.365859	9.160279	9.226108	10.33611	10.29299	9.579179	9.091318	9.075759	8.637743	8.490028	8.206463	8.022121
CPSF1	CPSF1	10.27047	10.46119	10.20131	11.07273	10.55558	10.03184	9.855561	9.640131	9.774082	9.486629	8.890743	9.282512
CPSF2	CPSF2	9.318215	9.562548	8.60938	8.878491	8.60255	8.820825	8.621592	8.46997	8.40734	8.413317	8.285745	8.457821
CPSF3	CPSF3	11.833	12.22577	11.70311	11.68428	11.22099	11.53953	10.98911	10.79783	10.79228	10.78508	10.1686	10.33286
CPSF3L	CPSF3L	8.133957	8.178779	7.696096	7.960509	7.762217	8.074804	7.791674	7.889314	7.774623	7.979465	7.886234	7.904849
CPSF4	CPSF4	11.36967	11.48382	11.08371	10.98854	10.7106	10.54465	10.06904	9.942179	9.951236	9.655684	9.187538	9.317213
CPSF6	CPSF6	8.05876	8.391163	8.104953	8.218537	7.895345	8.011323	7.622799	7.525722	7.501445	7.560891	7.268966	7.403177
CPT1A	CPT1A	7.003254	7.269937	6.97267	7.094716	7.005878	7.376879	7.175094	7.269068	7.248961	7.436971	7.242755	7.146089
CPT1B	CPT1B	7.568178	7.758434	7.503915	7.778253	7.572722	7.893055	7.661464	7.594955	7.616957	7.713442	7.377758	7.399724
CPT1C	CPT1C	10.35804	10.30924	9.073092	9.674468	9.63904	9.471682	9.148493	8.781948	9.144744	8.432819	8.181296	8.365185
CPT2	CPT2	9.486014	9.793194	9.156262	9.215981	9.452293	10.22297	9.804746	10.0935	9.616046	10.03889	10.12148	9.498087
CPVL	CPVL	10.41277	10.85821	10.07078	9.811134	9.760092	11.59163	11.55637	12.28719	11.95701	12.25333	11.97051	12.0386
CPXCR1	CPXCR1	6.841103	7.08207	6.797199	7.074509	6.94082	7.073513	6.86367	6.993917	6.886878	6.948232	6.912091	6.864112
CPXM	CPXM	8.668614	9.062952	8.74441	9.489983	9.140733	8.305843	8.445791	8.083562	8.466788	7.366318	7.323996	7.462262
CPXM2	CPXM2	7.621838	7.801997	7.033532	7.146232	7.100491	7.184407	7.283177	7.501035	7.316232	7.369029	7.173418	7.127163
CPZ	CPZ	7.558424	7.747746	7.205239	7.698894	8.50179	7.093392	7.03038	7.054104	7.050126	7.013702	6.942864	6.92841
CR1	CR1	6.861083	6.99659	6.814022	6.996723	6.919254	6.956279	6.848594	6.893657	6.83099	6.886737	6.730891	6.800217
CR2	CR2	7.296922	7.282699	6.779422	6.998261	6.94111	6.973247	6.876922	6.950509	6.862591	6.947399	6.730428	6.777285
CRABP1	CRABP1	11.43215	11.65261	10.25143	7.914253	8.608239	7.045174	6.892385	7.246879	10.04765	7.22993	6.756621	6.903633
CRABP2	CRABP2	10.38224	11.18141	11.73494	12.12198	11.68969	11.78234	11.84165	11.85335	11.59839	11.11985	11.17899	10.31906
CRADD	CRADD	8.416227	9.202765	8.650688	8.75542	8.869943	10.26359	9.760938	10.00686	10.05945	10.15316	10.251	10.08691
CRAMP1L	CRAMP1L	8.484229	8.606129	8.415095	8.842603	8.559434	8.668184	8.157121	8.356519	8.365716	8.144882	7.995786	7.893734
CRAT	CRAT	7.087681	7.214576	6.936167	7.297282	7.248046	7.586794	7.383607	7.501436	7.423579	7.637668	7.614583	7.453331
CRB1	CRB1	6.901579	7.077905	6.850566	7.140947	6.957252	6.959683	6.874399	6.942613	6.982705	6.934284	6.822115	6.879968
CRB2	CRB2	7.080033	7.172016	6.963565	7.475773	7.563995	7.124863	7.005622	7.069434	6.865133	6.963221	6.750659	6.87168
CRB3	CRB3	7.85102	8.287574	7.704544	7.594098	7.258428	7.208632	6.980556	7.155299	7.032713	7.056484	6.970302	6.954478
CRBN	CRBN	9.141904	9.751957	9.760563	10.13067	10.05917	10.76569	10.12558	10.32237	10.38394	10.31392	9.797337	9.992172
CREB1	CREB1	11.54961	12.47149	11.86019	12.34446	12.40524	12.25526	12.34875	11.94089	12.23073	12.02986	11.45563	11.99096
CREB3	CREB3	7.194413	7.562691	7.214289	7.587068	7.507449	7.57068	7.512073	7.321971	7.513441	7.587624	7.249471	7.584963
CREB3L1	CREB3L1	7.008642	7.147977	6.96808	7.187464	7.213165	7.116471	7.054952	7.103332	7.12338	7.086276	6.890847	7.019485
CREB3L2	CREB3L2	9.549801	9.650037	9.762095	11.14709	10.89098	10.06747	9.769037	9.991191	9.786297	9.701678	10.35661	9.759821
CREB3L3	CREB3L3	6.838458	6.978395	6.775286	7.158211	7.024854	6.84171	6.895425	6.878366	6.789767	6.902446	6.684729	6.717398

CREB3L4	CREB3L4	7.482841	7.86733	7.449323	7.393035	7.311153	7.506274	7.050521	7.211911	7.126153	7.191321	6.962777	7.009494
CREB5	CREB5	6.905567	7.979862	7.010826	7.237973	7.306704	7.569101	7.593894	7.772166	7.690464	7.722744	7.329833	7.125684
CREBBP	CREBBP	9.086017	9.513302	9.16915	9.417027	9.40064	9.178131	8.582341	8.613879	8.846162	8.435201	8.350451	8.474064
CREBL1	CREBL1	6.959011	7.190007	6.994696	7.165411	7.007276	7.338499	7.008717	7.182757	7.062108	7.113277	6.964946	6.959206
CREBL2	CREBL2	7.080139	7.268307	6.866003	7.160942	6.921811	7.135128	7.100893	7.04512	7.048844	7.061014	6.813617	6.909014
CREG1	CREG1	8.808447	8.893533	9.178961	10.87662	10.22861	10.3369	9.763522	9.93064	9.894815	9.899241	9.672082	9.946271
CREG2	CREG2	7.016013	6.890154	6.869194	6.924707	6.9167	6.859095	6.881006	6.936468	6.872055	6.840038	6.793021	6.849155
CRELD1	CRELD1	7.544774	7.651933	7.486094	7.943871	8.114918	8.381872	8.38804	8.642966	8.510346	8.694723	8.54542	8.527938
CRELD2	CRELD2	9.978021	10.35279	9.954014	10.42128	10.6567	10.19728	10.27362	10.47022	10.28962	10.24545	10.64579	10.31335
CREM	CREM	6.989778	7.274204	7.007955	7.231724	7.228698	7.576509	7.444245	7.228062	7.376538	7.109797	6.975339	7.084185
CRH	CRH	7.059426	7.523555	7.246592	7.544965	7.353771	7.311997	7.161451	7.230801	7.247285	7.25747	7.207938	7.229803
CRHBP	CRHBP	6.878366	7.113781	7.132754	8.628858	8.560208	8.499227	8.05195	7.694841	7.507719	7.272534	6.853488	6.951246
CRHR1	CRHR1	7.286415	7.582166	7.225013	7.438523	7.394886	7.508509	7.358029	7.405415	7.286075	7.428693	7.156533	7.356602
CRHR2	CRHR2	6.796485	7.122607	6.697178	6.962458	6.794174	6.994736	6.864433	6.934757	6.948932	6.876262	6.857591	6.815099
CRI1	CRI1	7.33745	7.618052	7.433669	7.803977	7.946231	8.693249	8.115751	8.093311	8.082241	8.179896	7.970917	7.894819
CRI2	CRI2	9.27292	9.130409	8.65254	8.889407	9.230291	10.56923	9.517326	9.495669	9.434076	9.441235	9.399204	9.458153
CRIM1	CRIM1	7.656056	7.885622	7.493714	7.840651	7.502805	7.951798	7.410918	7.593952	7.851248	7.782857	8.286354	8.210284
CRIM2	CRIM2	6.795353	7.039106	6.856648	7.090287	6.973377	6.873097	6.781399	6.915366	6.819723	6.79585	6.812274	6.796592
CRIP1	CRIP1	7.46696	7.867687	9.014933	9.742124	10.6344	12.32769	12.56715	11.8737	11.68372	12.21577	11.14036	10.36604
CRIP2	CRIP2	7.168718	7.669095	8.185784	9.761568	11.20524	13.13008	13.25196	13.61334	13.30541	13.84225	13.49937	12.90054
CRIP3	CRIP3	7.121668	7.253852	6.799066	7.113951	6.959613	7.052134	7.008847	7.080145	7.020447	7.095899	6.900572	6.958465
CRIPAK	CRIPAK	8.202122	7.98701	7.854054	8.20062	8.03144	7.697691	7.626928	7.902684	7.92921	7.699251	7.70633	7.459354
CRIPT	CRIPT	9.176473	9.778453	9.351604	9.453686	9.697434	10.53187	10.08854	10.23573	10.20787	10.19309	9.943138	9.917636
CRISP1	CRISP1	6.914574	7.054819	6.781536	6.952395	6.997978	6.993077	6.861658	6.978097	6.87392	6.866827	6.786119	6.805548
CRISP2	CRISP2	7.090508	7.152349	6.940582	7.055332	6.960217	7.229151	6.950133	6.993277	7.005522	6.973311	6.821588	6.97806
CRISP3	CRISP3	6.90663	6.959931	6.863552	6.914445	6.878202	6.975278	6.807147	6.866116	6.842055	6.891679	6.715484	6.854666
CRISPLD1	CRISPLD1	7.603762	7.645111	7.43368	7.927023	7.977374	8.041506	7.411304	7.412597	7.379179	7.206583	6.915454	6.893216
CRISPLD2	CRISPLD2	7.776192	7.474368	7.307386	9.584685	11.65911	8.578415	8.286994	8.236384	8.963845	7.457337	7.803028	7.259542
CRK	CRK	9.152942	9.444882	8.857914	9.300783	8.945799	9.270484	8.653637	9.037077	8.623906	8.786146	9.305485	9.255766
CRKL	CRKL	11.98012	12.04753	11.60448	11.82519	11.68109	11.69978	10.88014	11.02761	10.91664	10.75259	10.87905	11.10156
CRKRS	CRKRS	8.010474	8.556122	8.073661	8.261247	7.970548	7.618216	7.372273	7.402572	7.383732	7.335773	7.364973	7.613936
CRLF1	CRLF1	7.038672	7.460392	7.615706	7.437888	7.188903	7.082815	7.12226	7.135541	6.88321	7.07529	7.140719	7.087654
CRLF2	CRLF2	6.954708	7.069624	6.794958	7.058223	6.948343	7.050018	6.932363	7.061415	6.96829	6.985395	6.910144	6.941184
CRLF3	CRLF3	8.767794	8.83063	8.641565	8.214241	8.026365	8.734916	8.196622	8.303274	8.012229	8.0517	8.076321	7.746764
CRMP1	CRMP1	10.16814	10.40253	9.561953	9.463661	9.010301	10.29423	9.532221	9.558839	9.843307	8.989973	8.980244	8.026472
CRNKL1	CRNKL1	7.519316	7.818853	7.57182	7.800946	7.694232	7.978896	7.609211	7.6702	7.634803	7.696004	7.362251	7.528199

CRNN	CRNN	7.072807	7.287536	7.054857	7.186111	7.626941	8.436112	8.350813	8.277273	8.096169	8.380362	7.801484	7.869133
CROCC	CROCC	7.725996	7.754126	7.432423	7.52728	7.481732	7.346587	7.389472	7.396654	7.313295	7.373022	7.188453	7.22585
CROP	CROP	9.619854	10.28013	9.863267	10.13287	10.22458	10.2106	10.13501	9.626648	10.18372	9.633942	8.859146	9.285151
CROT	CROT	7.256262	7.540787	7.302485	7.788929	7.665502	8.277936	7.954532	8.054019	7.924281	7.941785	7.753566	8.152261
CRP	CRP	6.836997	6.967236	6.829844	7.129173	6.904697	6.799834	6.885602	6.909738	6.938544	6.939917	6.813408	6.812449
CRR9	CRR9	10.38867	10.61485	9.967726	10.388	10.25418	10.8822	10.08557	10.29885	10.07233	10.19529	10.77718	10.5192
CRSP2	CRSP2	7.108528	7.223814	6.90382	7.097037	7.068781	7.305698	7.193084	7.274073	7.114439	7.251544	7.171499	7.20111
CRSP3	CRSP3	7.83455	8.202203	8.037898	8.390024	8.340782	8.422769	8.01323	7.989429	7.965575	7.871389	7.726651	7.910605
CRSP6	CRSP6	7.178466	7.331912	7.085496	7.394213	7.248116	7.245242	7.193108	7.366004	7.03942	7.203218	7.044494	7.050359
CRSP7	CRSP7	7.646094	7.879991	7.528433	7.718779	7.494183	7.880977	7.315879	7.474757	7.393064	7.361105	7.389909	7.210754
CRSP8	CRSP8	7.872852	8.246105	7.852755	8.089085	7.910956	8.517356	7.959259	8.146791	7.89862	8.229951	8.375595	8.166134
CRSP9	CRSP9	7.942063	8.376957	8.089974	7.965512	8.04107	8.476207	8.172374	8.153383	8.259367	8.170672	8.110794	7.940356
CRTAC1	CRTAC1	6.879173	7.100697	7.006283	7.446695	8.646882	7.904966	7.250208	7.17014	7.395349	6.961707	6.749162	6.780372
CRTAM	CRTAM	6.826635	7.100306	6.712428	6.915281	6.882391	6.966336	6.843558	6.973205	6.896142	6.896027	6.745955	6.894006
CRTAP	CRTAP	8.42549	8.545718	7.966047	8.505053	8.372683	8.417576	8.268326	8.557481	8.274426	8.350871	8.698453	8.206358
CRTC1	CRTC1	7.089417	7.444749	7.24938	7.409794	7.375048	7.450521	7.157499	7.260311	7.1452	7.143298	7.038033	7.043547
CRTC2	CRTC2	7.164228	7.439369	6.916531	7.339293	7.248281	7.359478	7.186092	7.192107	7.073616	7.228687	7.213938	7.150571
CRX	CRX	7.014289	7.273154	6.919816	7.015558	6.934849	7.127305	7.011022	7.019778	7.151994	7.037957	6.882843	6.982659
CRY1	CRY1	9.362349	9.487777	9.348557	9.845772	9.513027	10.21223	9.302015	9.212393	9.312009	9.218142	9.121058	9.342805
CRY2	CRY2	7.580977	7.901834	7.40268	7.997836	8.131892	9.207221	8.82189	8.886458	8.88463	9.096173	8.610301	9.003597
CRYAA	CRYAA	6.852911	7.145696	6.668449	6.984848	6.971386	7.022921	6.94928	6.971679	6.93912	6.822335	6.766573	6.854948
CRYAB	CRYAB	6.795655	6.994867	6.774993	7.506566	9.002155	11.57387	11.82433	12.61274	12.63224	13.42111	13.52552	13.81088
CRYBA1	CRYBA1	6.88211	6.98281	6.675298	6.94283	6.875612	6.858092	6.723114	6.920932	6.815449	6.859436	6.755488	6.697114
CRYBA2	CRYBA2	6.899803	7.017882	6.78618	6.962322	6.945174	6.981289	6.862564	6.938611	6.892613	6.963776	6.845063	6.895706
CRYBA4	CRYBA4	7.421118	7.522396	7.31281	7.056276	6.952236	6.948289	6.906295	6.951476	6.871661	6.839424	6.822672	6.958462
CRYBB1	CRYBB1	7.035821	7.237054	7.116761	6.986175	6.885648	7.027014	6.944487	6.955692	6.896845	6.958977	6.730559	6.887179
CRYBB2	CRYBB2	7.792607	8.000434	7.619274	7.817449	7.885655	8.025391	7.588985	7.61445	7.645607	7.557536	7.467525	7.636718
CRYBB3	CRYBB3	6.799643	6.995847	6.737271	6.905659	6.824632	6.871475	6.720892	6.862291	6.789236	6.919991	6.723672	6.725464
CRYGA	CRYGA	6.998588	7.13067	7.005789	7.122036	7.076964	7.158325	7.038464	7.055708	7.095112	7.066238	6.866594	6.913191
CRYGB	CRYGB	6.954721	6.982403	6.789296	7.140327	6.925622	7.095289	6.780359	6.948728	6.932102	6.903358	6.832061	6.815857
CRYGC	CRYGC	6.734462	6.922233	6.782963	7.103427	7.006495	6.837361	6.851754	6.907206	6.85183	6.822135	6.709075	6.892063
CRYGD	CRYGD	7.012563	7.012689	6.797873	6.977643	6.88872	6.997937	6.785028	6.873731	6.898593	6.955576	6.677597	6.936032
CRYGN	CRYGN	6.949463	7.209623	6.847222	7.104233	6.964858	7.094343	7.007106	7.020893	6.962144	7.022535	6.711318	6.995639
CRYGS	CRYGS	7.294132	7.703144	7.413157	7.742214	7.528395	7.615121	7.513156	7.608597	7.496471	7.379124	7.040867	7.129912
CRYL1	CRYL1	6.984548	7.221231	6.874235	7.153704	7.413347	8.147238	7.855832	7.860662	7.767046	7.725146	7.593327	7.617136
CRYM	CRYM	7.245272	7.349771	7.092622	7.386248	7.040072	7.054623	6.896725	7.009485	6.986742	6.995146	6.974045	7.038607

CRYZ	CRYZ	11.52639	11.78036	11.22051	11.21269	11.12507	11.78387	11.31621	11.00442	11.2696	10.97953	10.9792	11.05871
CRYZL1	CRYZL1	8.000309	8.261963	7.982386	8.489954	8.82728	9.130478	8.57451	8.874936	8.823483	8.722453	8.597813	8.284295
CS	CS	10.16286	10.20896	9.752285	10.24079	10.24462	10.97096	10.76304	11.05986	10.64793	11.07564	11.26747	10.58512
CSAD	CSAD	7.356628	7.612214	7.960147	8.373306	8.253179	8.237664	8.047261	7.921579	8.120229	7.867614	7.604126	7.577395
CSAG1	CSAG1	6.901008	6.941967	6.697583	6.958687	6.936463	6.856631	6.823125	6.878104	6.833646	6.884827	6.763977	6.87382
CSAG2	CSAG2	6.908035	6.960225	6.754082	6.971235	6.938292	6.974317	6.879128	6.940809	6.880441	6.920837	6.777453	6.832398
CSAG3A	CSAG3A	6.906777	7.01473	6.837629	7.103215	6.990146	6.989264	6.891973	7.009427	6.906371	7.005659	6.848413	6.83134
CSDA	CSDA	13.08136	13.42007	12.23463	12.43816	11.96713	12.81125	12.46947	12.54266	12.61528	12.82525	12.81434	12.47577
CSDC2	CSDC2	7.120102	7.870734	7.168288	7.442213	7.977021	8.078558	7.844117	7.680255	8.114953	7.755956	7.688039	7.814869
CSDE1	CSDE1	8.208188	8.64966	8.245343	8.35815	8.352149	8.801265	8.464683	8.30182	8.441206	8.398451	7.844819	8.095281
CSE1L	CSE1L	11.90039	12.33093	11.89641	11.83109	10.82702	11.01318	10.34472	10.58377	10.39251	10.43428	10.12503	9.918205
CSEN	CSEN	7.166319	7.525538	7.090565	7.166172	7.064713	7.22453	7.147314	7.283974	7.573765	7.485801	7.405735	7.224863
CSF1	CSF1	6.90003	7.028887	6.730816	6.976406	6.827376	6.866303	6.897795	6.901131	6.848877	6.952322	6.805545	6.874261
CSF1R	CSF1R	6.928268	7.202076	6.817535	7.070149	7.014015	7.006402	6.866885	7.097913	6.978014	6.906229	6.779478	6.810265
CSF2	CSF2	6.84988	7.089321	6.779772	6.897005	6.87468	7.092412	6.784594	6.841889	6.882037	6.919261	6.811806	6.842343
CSF2RA	CSF2RA	9.674399	10.60298	10.03772	10.46584	10.48381	10.12612	10.2832	9.483488	10.0982	9.575038	8.963155	9.768839
CSF2RB	CSF2RB	6.873944	7.026985	6.876856	7.0944	6.971571	6.934569	6.841007	6.954216	6.879069	6.928259	6.76773	6.884248
CSF3	CSF3	6.936746	7.094877	6.766886	7.071752	6.923691	7.043305	6.883172	6.935689	6.96213	6.995624	6.841559	6.939625
CSF3R	CSF3R	6.885719	6.978292	6.85464	7.255434	7.188478	7.121689	6.869032	6.924623	6.857291	6.867313	6.765608	6.73643
CSGLCA-T	CSGLCA-T	7.989119	8.285362	8.142217	8.225816	8.225123	8.066698	7.928103	7.932549	8.090842	8.011231	8.035182	7.911619
CSH1	CSH1	6.987481	7.156335	6.84778	7.193745	7.133845	7.072085	7.124863	7.067788	7.049036	7.120774	6.947657	6.975292
CSH2	CSH2	6.844635	7.095068	6.81081	7.052842	6.961202	6.976704	6.842351	6.889939	6.880393	6.976627	6.75317	6.820486
CSHL1	CSHL1	6.871257	7.153224	6.877855	7.086929	6.987139	6.99806	6.890097	7.027162	6.846859	7.010415	6.808305	6.949087
CSK	CSK	9.636189	9.552215	9.583592	10.03333	9.523978	9.762452	9.286351	9.371003	9.106089	9.155566	9.585418	9.156932
CSMD1	CSMD1	6.957718	7.230064	6.970543	7.461972	7.058268	7.204829	6.996086	7.054871	7.180605	7.155462	6.860491	6.989044
CSMD2	CSMD2	7.440929	7.682841	7.066905	7.140054	6.923092	7.089552	7.129049	7.155434	7.335124	7.209745	7.046983	7.062433
CSMD3	CSMD3	6.828269	6.942496	6.770903	7.089176	7.0911	7.009287	6.837018	6.884267	6.928721	6.909228	6.806928	6.848351
CSN1S1	CSN1S1	6.90768	7.095387	6.760541	6.95585	6.961694	7.048065	6.824859	6.948987	6.915822	6.9233	6.824355	6.867854
CSN1S2A	CSN1S2A	6.803799	7.107787	6.853113	7.088606	6.973895	7.079282	6.935306	7.135898	6.970573	6.982459	6.967652	6.886648
CSN2	CSN2	6.865176	6.97806	6.783536	6.950901	6.85435	6.975605	6.785506	6.968484	6.959102	6.910483	6.722025	6.741862
CSN3	CSN3	6.907076	6.981885	6.95744	7.024641	6.944638	7.151311	6.815576	6.891729	6.86982	6.932494	6.732025	6.758123
CSNK1A1	CSNK1A1	8.348055	8.996479	8.259907	8.847344	8.601848	9.203995	8.713142	8.897508	8.676429	8.834132	8.694957	8.887759
CSNK1A1L	CSNK1A1L	6.847325	7.111009	6.754207	7.124885	6.951428	7.038207	6.939697	6.950514	6.92329	6.996157	6.828159	6.929605
CSNK1D	CSNK1D	9.284293	9.842741	9.408574	9.713165	9.750646	9.564025	9.157697	9.160702	9.167921	9.247197	9.518037	9.584645
CSNK1E	CSNK1E	11.12121	10.95376	10.22727	10.56322	10.25364	10.46645	9.902371	9.795046	10.16895	9.834049	9.704729	9.949826
CSNK1G1	CSNK1G1	7.483924	8.089262	7.642119	7.877789	7.807517	7.776136	7.642134	7.6119	7.5403	7.453285	7.361827	7.453386

CSNK1G2	CSNK1G2	11.30146	11.74334	10.78214	11.29622	10.52101	10.25964	10.62343	9.837866	10.48633	10.29131	9.80781	10.71803
CSNK1G3	CSNK1G3	8.49049	8.869123	8.378524	8.72125	8.503109	8.647084	8.190426	8.311874	8.18905	8.261718	8.235845	8.157786
CSNK2A1	CSNK2A1	9.103033	9.587951	9.158134	9.027023	8.684447	9.300039	8.770988	8.90392	8.778027	8.928692	8.822881	8.841506
CSNK2A1F	CSNK2A1F	8.90042	9.081919	8.708199	8.602077	8.267357	8.597832	8.224427	8.358384	8.31585	8.504292	8.152097	8.272952
CSNK2A2	CSNK2A2	9.227882	9.329278	9.114088	9.485875	9.837034	9.910107	9.282408	9.534969	9.114346	9.304512	9.547204	9.554436
CSNK2B	CSNK2B	11.51004	11.97891	11.34225	11.64631	11.50637	11.79652	11.46436	11.71417	11.58677	11.80741	11.89911	11.1782
CSPG2	CSPG2	11.198	12.7239	11.37684	12.30254	12.39188	12.17186	12.06876	11.49907	11.55884	10.68713	11.26583	11.15588
CSPG3	CSPG3	7.232302	7.489318	7.857691	7.251607	7.179093	7.341963	7.10247	7.18784	7.472134	7.181312	6.990737	7.178954
CSPG4	CSPG4	7.348303	7.396448	7.037285	7.448722	7.791689	7.855841	7.71846	7.644817	7.831191	7.517052	7.750194	7.753115
CSPG4LY	CSPG4LY	6.846148	6.97085	6.806659	6.935743	6.836145	6.84224	6.797417	6.794861	6.930163	6.897993	6.648314	6.755024
CSPG4LYF	CSPG4LYF	6.762843	6.999885	6.629035	6.961404	6.898708	6.84542	6.72355	6.910341	6.725474	6.753737	6.83384	6.765579
CSPG5	CSPG5	7.529465	7.622368	7.05602	7.155937	7.16892	7.401414	7.482177	7.928875	7.517642	7.801605	7.469925	7.113776
CSPG6	CSPG6	10.94353	11.22102	10.97365	11.2043	10.60701	10.9863	10.12092	10.35347	10.17103	9.944913	9.712464	9.779927
CSPP1	CSPP1	8.149417	8.617891	8.458189	9.405341	8.774194	8.610571	7.987268	8.04289	7.914895	7.757733	7.601209	7.384399
CSRP1	CSRP1	7.445263	8.108728	7.348651	8.863988	8.230581	8.375713	8.409643	8.711103	8.025014	8.466411	9.279544	8.182924
CSRP2	CSRP2	10.85258	11.33907	10.3913	11.67587	11.82718	11.68013	11.18578	10.64184	10.596	10.20768	10.01653	9.597901
CSRP2BP	CSRP2BP	8.806081	8.6662	8.588554	8.423589	8.265113	8.888935	8.290619	8.40748	8.269391	8.429514	8.288241	8.257301
CSRP3	CSRP3	6.866003	7.106432	6.707252	7.762377	9.617649	12.30356	12.31823	12.44624	12.65472	12.95438	12.91896	12.08029
CSS3	CSS3	7.382326	7.63303	7.579767	8.603823	8.778908	9.03256	8.863974	9.165825	8.821275	8.790407	9.208557	8.50869
CST1	CST1	7.067826	7.104424	9.915831	9.927896	7.264544	6.970216	6.938091	6.880561	6.961917	6.767302	7.000087	6.789042
CST11	CST11	6.868956	7.087069	6.725675	6.957975	6.932273	6.895249	6.823053	6.90056	6.822085	6.907134	6.737485	6.718128
CST2	CST2	6.731813	7.004043	6.768273	6.962061	6.921907	6.887348	6.875163	6.907512	6.784565	6.919827	6.858437	6.818472
CST3	CST3	9.875149	9.613929	9.892308	11.45709	11.84005	11.96121	11.88771	12.18767	11.90876	11.96972	12.57676	11.69847
CST4	CST4	6.874953	7.046834	6.821233	6.977485	6.962437	6.991211	6.937277	6.98448	6.884296	6.93845	6.764231	6.843304
CST5	CST5	7.03586	7.103454	6.957424	7.146479	6.964916	6.975326	6.955539	6.954982	6.972335	6.862691	6.764308	6.842358
CST6	CST6	6.939969	7.169676	6.81799	7.075737	6.926837	6.99035	6.857772	6.924535	6.857585	6.978677	6.82685	6.865376
CST7	CST7	6.992064	7.405461	7.039634	7.197323	7.160785	7.218893	7.091064	7.015175	7.014501	7.13165	7.045746	7.03723
CST8	CST8	6.868199	6.944719	6.828604	7.059809	6.935896	6.902448	6.7324	6.913975	6.837177	6.841082	6.775446	6.794007
CST9	CST9	7.792795	8.038579	7.552614	7.819589	7.789006	8.349933	8.084885	8.084017	7.93215	8.225264	7.851539	8.084107
CST9L	CST9L	6.866302	6.937515	6.812679	6.965093	6.804538	6.848476	6.811706	6.806284	6.84665	6.882881	6.75695	6.809763
CSTA	CSTA	6.974443	7.046418	6.842679	7.093465	6.930543	6.991413	6.994512	7.013414	6.881668	7.029702	6.828194	6.849998
CSTB	CSTB	11.64001	12.1682	11.32877	11.53279	11.4136	11.90552	11.47257	11.51797	11.64228	11.74469	12.11815	11.11872
CSTF1	CSTF1	7.055332	7.27758	7.027661	7.126439	7.017131	7.190331	6.985193	7.050116	7.022896	6.996038	6.907301	6.983432
CSTF2	CSTF2	10.48766	10.93531	10.25938	10.05227	9.648391	10.13317	9.476658	9.318032	9.322301	9.105644	8.733425	8.891864
CSTF2T	CSTF2T	8.79338	9.06986	8.502433	8.483926	8.420723	8.869274	8.539538	8.251323	8.422572	8.303707	7.991064	8.249954
CSTF3	CSTF3	10.14725	10.588	10.10647	10.12184	10.36319	10.75009	10.00533	9.930432	9.984163	9.805873	9.284927	8.953895

CSTL1	CSTL1	6.792261	6.89741	6.809661	6.993924	6.864034	6.873358	6.778929	6.837461	6.867644	6.820587	6.769881	6.815704
CT45-1	CT45-1	6.869348	7.068348	6.799926	7.027207	6.870855	6.915494	6.893877	6.925155	6.926178	6.951569	6.764442	6.855936
CT45-2	CT45-2	6.805483	6.916012	6.772056	6.955655	6.861479	6.817516	6.699882	6.874973	6.818558	6.827545	6.772024	6.781602
CT45-3	CT45-3	6.854995	7.054528	6.765235	6.913068	6.894146	6.857301	6.798949	6.951666	6.814037	6.807216	6.80378	6.745061
CT45-4	CT45-4	6.966822	7.160605	6.890638	7.095227	7.00471	6.946529	6.922309	7.045551	6.970945	6.962292	6.809376	6.860406
CT45-5	CT45-5	6.862222	7.016608	6.746718	7.008653	6.927084	6.976928	6.776666	6.954032	6.846696	6.903826	6.75275	6.83428
CT45-6	CT45-6	6.913396	7.1168	6.860404	7.00828	7.04469	6.975733	6.953561	7.001771	7.068498	6.984067	6.799955	6.844768
CT47.1	CT47.1	6.936195	7.000133	6.843137	6.966802	6.892154	6.957392	6.85678	6.842043	6.849193	6.774978	6.889392	6.799662
CT47.6	CT47.6	6.873865	7.059285	6.849183	6.998713	6.928865	6.973943	6.817358	6.932674	6.749463	6.897849	6.736357	6.720062
CT47.7	CT47.7	6.924337	7.073876	6.818192	6.970511	6.827551	6.916252	6.786793	6.935803	6.889307	6.934354	6.741203	6.783283
CTAG1A	CTAG1A	6.92945	7.152636	6.892651	7.076759	6.975935	7.028471	6.972057	6.978776	6.892728	7.010641	6.778425	6.869041
CTAG1B	CTAG1B	6.968699	7.170401	6.897533	7.088	7.042601	7.115527	6.970463	7.020196	6.874888	7.02025	6.836484	7.000945
CTAG2	CTAG2	6.966486	7.116707	6.805422	7.020938	6.914546	6.995092	6.895764	6.942294	6.854091	6.917169	6.910272	6.858247
CTAGE1	CTAGE1	6.911383	6.999247	6.72525	6.99455	6.908936	6.946232	6.782644	6.905061	6.852155	6.87217	6.766187	6.787636
CTAGE5	CTAGE5	6.896843	7.124209	6.934881	7.17074	7.084919	7.038091	6.97659	7.056992	6.982684	7.015546	6.852436	6.905808
CTAGE6	CTAGE6	7.403214	7.835139	7.327635	7.351548	7.151564	6.920449	6.975307	6.926434	6.900903	7.039965	6.793656	6.967327
CTBP1	CTBP1	8.686559	9.031429	8.556859	9.049055	8.870202	8.738777	8.579069	8.540045	8.572447	8.62768	8.516423	8.587478
CTBP2	CTBP2	7.404073	7.655326	7.233781	7.3903	7.218681	7.252074	7.148852	7.165204	7.136622	7.215754	7.113683	7.096836
CTBS	CTBS	7.406651	7.576984	7.827255	8.165129	8.265514	8.590904	8.443424	8.513586	8.482615	8.333267	8.342261	8.567967
CTCF	CTCF	9.438135	9.753287	9.459802	9.500375	9.108208	9.04853	8.576808	8.795045	8.637858	8.727559	8.623602	8.811341
CTCFL	CTCFL	6.932014	6.948542	6.762369	7.007426	6.924438	6.95407	6.89989	6.986438	6.765515	6.891211	6.699421	6.759904
CTDP1	CTDP1	7.374989	7.660161	7.177974	7.409799	7.272374	7.454313	7.147041	7.271497	7.210383	7.240165	7.263824	7.283755
CTDSP1	CTDSP1	7.510326	7.942156	8.05129	8.642824	8.712128	8.695775	8.625621	8.759976	8.580706	8.864873	8.519472	8.298483
CTDSP2	CTDSP2	10.62208	10.83314	10.4002	10.9304	11.17945	10.88674	10.73263	10.77022	10.61945	10.60215	10.39932	10.32421
CTDSPL	CTDSPL	10.23242	9.694486	9.715755	10.38395	9.787561	10.03428	9.291147	9.326598	9.169684	9.143428	8.824812	8.743877
CTDSPL2	CTDSPL2	8.380675	8.706112	8.621887	8.933776	8.460421	9.062151	8.389545	8.692891	8.600648	8.560064	8.22788	8.321308
CTF1	CTF1	7.2424	7.338159	7.211122	7.48478	7.528473	7.625256	7.663677	7.669911	7.451536	7.850286	7.53965	7.458049
CTF8	CTF8	7.148554	7.404562	7.28107	7.302705	7.150397	7.34312	7.286827	7.229321	7.138582	7.272701	6.985526	7.177546
CTGF	CTGF	12.20741	12.4656	10.88017	12.10872	11.51954	13.01733	11.5924	12.41287	12.59731	12.85399	13.71555	12.53695
CTGLF1	CTGLF1	7.450083	7.679242	7.450759	7.806274	7.650272	7.552608	7.395456	7.359279	7.451312	7.307512	7.047323	7.130052
CTGLF3	CTGLF3	10.65447	10.92061	10.864	11.30363	11.5098	11.12507	10.72166	10.4536	10.46343	10.16428	9.432249	9.573551
CTGLF4	CTGLF4	7.018806	7.337139	7.181477	7.156076	7.13508	7.19844	7.101659	7.20444	7.045011	7.104687	7.039167	7.041854
CTH	CTH	8.914753	8.987869	8.115614	8.226099	7.850893	7.622973	7.284784	7.47307	7.555009	7.281786	7.469681	7.432063
CTHRC1	CTHRC1	7.599412	7.843902	7.363059	7.336408	7.109792	7.173211	7.104298	7.163891	7.204666	7.143776	7.448608	7.222964
CTLA4	CTLA4	6.8738	7.151289	6.83211	7.017385	6.962113	7.051691	6.96876	6.996965	6.975273	6.978394	6.838385	6.884333
CTNNA1	CTNNA1	12.40657	12.62966	11.97197	12.22621	12.1668	12.69624	12.47442	12.74338	12.43644	12.62792	12.53703	12.53056

CTNNA2	CTNNA2	7.39544	7.616674	7.103383	7.294136	7.23127	7.215772	7.104118	7.065108	7.48739	6.939033	6.886576	6.800589
CTNNA3	CTNNA3	6.832991	6.956039	6.780196	7.007239	6.928623	7.506245	7.309816	7.58352	7.292142	7.524719	7.36018	7.3184
CTNNAL1	CTNNAL1	10.26598	10.65056	10.53596	10.40977	9.994121	11.19826	10.7428	10.81634	10.67827	10.87454	10.52652	10.55447
CTNNB1	CTNNB1	8.471305	8.764628	8.833074	9.098385	8.783009	9.251623	8.523129	8.622578	8.491539	8.314197	8.216413	8.249003
CTNNBIP1	CTNNBIP1	7.984543	7.567414	7.774093	7.907819	7.98993	8.354962	7.919509	8.057129	7.706328	7.943114	7.733561	7.377656
CTNNBL1	CTNNBL1	9.557877	9.976784	9.82312	10.12755	9.463266	9.877892	9.361928	9.476958	9.325729	9.52563	9.237405	9.222733
CTNND1	CTNND1	7.122321	7.44222	7.170783	7.480555	7.25578	7.464116	7.245409	7.290038	7.180403	7.201209	6.909071	7.057446
CTNND2	CTNND2	7.431679	7.695386	7.240275	7.671684	7.505187	8.023172	7.980821	8.347431	8.153007	8.627565	8.11827	8.027487
CTNS	CTNS	8.216371	8.585564	7.847328	8.312492	8.133518	8.589755	7.998452	7.857691	7.930715	7.914294	7.581255	7.952865
CTPS	CTPS	10.62316	10.99134	10.26672	10.30537	9.592371	10.0164	9.246032	9.383413	9.192758	9.044387	9.609548	8.813812
CTPS2	CTPS2	9.70298	9.964251	9.52807	9.80155	9.545658	9.815281	9.395247	9.333466	9.12694	9.04409	8.507218	8.504522
CTR9	CTR9	7.628195	8.208167	7.719795	7.759994	7.731451	8.268124	7.93634	8.007436	7.93622	7.958835	7.669192	7.898308
CTRB1	CTRB1	6.822866	7.138624	6.813959	6.911044	6.956508	6.896553	6.815063	6.873182	6.965925	6.885826	6.777628	6.919009
CTRB2	CTRB2	7.035013	7.108848	6.963277	7.244742	7.072065	7.072249	7.179765	6.999205	7.115814	7.224773	6.867142	7.102136
CTRC	CTRC	8.272886	8.701635	8.26689	8.26116	8.041619	7.90113	7.715006	7.746592	7.749747	7.819794	7.492784	7.51862
CTRL	CTRL	7.465421	7.412698	7.063	7.128131	7.137114	7.534287	6.985124	7.083255	7.054057	7.067137	6.8987	7.039944
CTSB	CTSB	9.175383	10.03889	9.975029	11.67846	11.60912	12.46834	12.68755	12.66606	12.39412	12.09327	11.81532	11.89241
CTSC	CTSC	11.02845	11.37279	10.1406	9.58485	9.28993	9.612251	8.884834	8.879205	8.82546	8.645885	8.791533	8.560452
CTSD	CTSD	8.71416	9.247079	8.430575	8.706744	8.782184	9.067846	8.698157	9.025212	8.780896	8.966826	9.470474	9.365249
CTSE	CTSE	7.084886	7.354709	7.014821	7.239794	7.164457	7.172741	7.122657	7.072066	7.113325	7.11856	6.917071	6.985322
CTSF	CTSF	6.981097	7.356985	6.966305	7.133148	7.051399	7.09161	7.075375	7.107237	7.10659	7.161496	6.943873	6.974638
CTSG	CTSG	6.746055	6.961284	6.701375	6.991221	6.919708	6.880009	6.781176	6.870686	6.828022	6.852998	6.745102	6.768671
CTSH	CTSH	8.539373	9.102132	8.500976	8.127959	8.785414	7.92123	7.53511	7.80366	7.873524	7.66719	7.656493	7.58536
CTSK	CTSK	7.265343	7.541778	7.702247	7.476966	7.442869	7.252717	7.165949	7.304321	7.649363	7.154132	7.10931	7.190981
CTSL	CTSL	7.657341	7.930288	7.739948	8.137888	8.637598	9.004319	8.215393	8.506322	8.210998	8.229257	8.341326	8.537621
CTSL1	CTSL1	10.36687	10.79951	10.77401	11.65993	12.46105	12.44224	11.7179	11.75571	11.7952	11.68259	11.59807	11.99565
CTSL2	CTSL2	11.42436	11.90963	12.23097	13.01802	11.65071	11.76815	10.95056	10.26567	10.1268	9.379784	8.027938	7.751278
CTSO	CTSO	7.240411	7.677341	7.650938	7.842743	8.016761	7.8993	7.923788	7.731631	8.016084	7.645956	7.513071	7.611125
CTSS	CTSS	6.839117	6.961118	6.72988	6.927558	6.87152	6.966359	6.811454	6.827854	6.780142	6.963384	6.851326	6.852647
CTSW	CTSW	7.037258	7.270016	6.982661	6.997123	7.079491	7.182594	7.087587	7.011459	7.126077	7.00021	6.98659	6.926561
CTSZ	CTSZ	7.281984	7.619698	7.155225	7.394792	7.704405	7.415237	7.408825	7.460382	7.510908	7.509217	7.538161	8.210576
CTTN	CTTN	9.957112	10.20777	9.610937	9.99985	9.843104	9.694453	9.431097	9.439255	9.410107	9.135606	9.347107	9.039804
CTTNBP2	CTTNBP2	7.27811	7.4349	6.846595	7.670851	7.328741	7.433629	7.224366	7.138413	6.945261	7.010123	6.881981	6.975497
CTTNBP2N	CTTNBP2N	7.549744	7.895475	7.490219	7.946834	7.695118	7.919896	7.355007	7.636376	7.44593	7.534005	7.630076	7.440629
CTXN1	CTXN1	11.95608	12.30181	11.75693	11.85398	11.64215	10.95428	10.77954	10.35139	10.7158	9.923505	10.3356	9.569884
CTXN3	CTXN3	6.805195	7.105573	6.660928	6.959645	6.84611	6.796678	6.737406	7.017206	6.925083	6.855686	6.683906	6.668245

CUBN	CUBN	6.796398	6.982222	6.804064	6.903646	6.906709	6.895446	6.872841	6.924535	6.841777	6.897057	6.881362	6.851601
CUEDC1	CUEDC1	8.499903	8.825963	9.44506	9.936369	10.09713	10.32423	10.10064	9.997635	10.44206	10.10373	9.303385	10.42616
CUEDC2	CUEDC2	9.479718	9.678996	9.177677	9.921595	10.14448	10.83964	10.61308	10.66297	10.59942	11.00062	10.86821	10.78824
CUGBP1	CUGBP1	8.13705	8.469099	7.79264	8.121984	7.817838	8.392769	7.726523	7.689249	7.793964	7.712198	7.756855	8.035427
CUGBP2	CUGBP2	7.098512	7.386683	7.063647	7.490231	7.497803	8.041489	7.917047	7.925373	7.755724	7.85274	7.244492	7.385758
CUL1	CUL1	9.444337	10.1045	9.267041	9.834854	9.864154	9.913095	9.402067	9.334485	9.29124	9.407186	8.953784	9.292848
CUL2	CUL2	9.983414	10.37611	9.909251	10.52785	10.23016	10.91366	10.15207	10.34129	10.20985	10.22598	10.10801	10.27421
CUL3	CUL3	6.947952	7.066778	6.801451	7.184855	7.080124	7.358541	6.9413	7.021673	7.082003	7.038377	6.766834	6.835606
CUL4A	CUL4A	9.851262	10.39854	9.737874	9.888359	10.02714	10.68226	10.29273	10.23454	9.974908	10.17458	9.969314	10.20127
CUL4B	CUL4B	7.968195	8.418296	8.211947	8.595879	8.364112	8.514099	7.894314	8.053611	8.155217	7.924162	7.994792	8.028056
CUL5	CUL5	10.02547	10.15644	10.05766	10.52133	10.47532	11.02578	10.39767	10.44529	10.55872	10.18892	9.713043	9.679349
CUL7	CUL7	7.127949	7.134715	6.994993	7.357587	7.391903	7.29608	7.194815	7.26438	7.186441	7.22305	7.19051	7.09132
CUTA	CUTA	11.29648	11.61274	11.00468	11.27011	11.36859	11.79215	11.42115	11.38501	11.41223	11.48696	11.48958	11.04364
CUTC	CUTC	9.433779	9.62145	8.980946	8.638285	8.760638	9.892177	9.280519	9.424369	9.540005	9.613983	9.513059	9.604866
CUTL1	CUTL1	7.498617	7.727619	7.495795	7.926812	8.125878	7.984038	7.846578	7.999761	7.844572	7.867513	7.722731	8.027111
CUTL2	CUTL2	8.090706	8.274311	7.459899	7.303441	7.454044	9.024067	8.562454	8.498767	8.431049	7.99268	7.076046	7.218702
CUZD1	CUZD1	9.369254	7.892388	7.832578	7.018368	6.956992	7.025467	6.939652	7.034809	6.868138	7.067099	6.937565	6.907244
CWF19L1	CWF19L1	11.08208	11.48463	11.1435	11.26641	11.03883	11.80022	10.90175	10.76538	10.82138	10.87929	10.11232	10.41932
CWF19L2	CWF19L2	8.976016	9.486422	9.073806	9.120691	8.694263	8.964428	8.555653	8.53677	8.501352	8.535152	8.18924	8.426254
CX36	CX36	6.845918	7.006633	6.790768	7.035774	6.99096	7.054331	6.947504	7.03449	6.953618	6.845713	6.729775	6.890859
CX3CL1	CX3CL1	7.099658	7.622861	7.06325	7.023493	6.998646	6.944626	6.906234	7.006919	7.014749	7.008179	6.837264	6.932924
CX3CR1	CX3CR1	6.955649	7.081665	6.88775	7.067274	6.969694	7.143469	7.097821	7.197417	7.092577	7.10936	7.045038	7.091627
CX40.1	CX40.1	6.814765	7.062632	6.860427	7.099331	6.973932	6.938874	6.955359	6.955984	7.055859	6.897583	6.892121	6.869774
CX62	CX62	6.770033	7.02964	6.736625	6.885424	6.860131	6.874203	6.720698	6.912861	6.778508	6.879924	6.719884	6.819574
CXADR	CXADR	12.12535	12.38832	11.40683	11.45098	11.0476	10.86508	10.25304	10.62111	10.28921	10.44892	10.45671	10.26042
CXCL1	CXCL1	6.831102	7.188744	6.734352	7.043122	6.895182	6.937932	6.838739	6.906038	6.835239	6.971647	7.075994	7.14837
CXCL10	CXCL10	6.896958	7.158965	6.867809	7.121212	6.934264	7.254664	6.950475	6.954935	6.949825	6.923626	6.850687	6.862438
CXCL11	CXCL11	6.896476	7.06169	6.780242	6.995593	6.952638	6.951294	6.903017	6.931268	6.924898	6.977652	6.762373	6.892295
CXCL12	CXCL12	8.685283	9.433747	7.768117	9.069664	9.394289	11.41032	11.88975	12.39841	11.54355	12.24612	12.11118	11.47652
CXCL13	CXCL13	6.813137	7.078318	6.84264	7.093825	6.943761	6.880053	6.915869	6.862768	6.917583	6.954884	6.875935	6.853995
CXCL14	CXCL14	7.282454	7.496644	7.246346	8.388093	9.618412	7.970042	7.416642	7.344748	7.948872	7.230304	6.961088	7.049813
CXCL16	CXCL16	8.162582	8.73333	7.192715	7.508881	7.719604	7.160167	7.300439	7.357394	7.553002	7.328059	7.350935	7.840093
CXCL2	CXCL2	7.304283	7.282517	6.834652	7.150617	6.937239	7.063029	6.848318	7.032431	7.025265	6.992773	7.056418	7.120121
CXCL3	CXCL3	6.93458	7.173624	7.064712	6.94264	6.918924	7.099307	6.846977	7.025553	6.903095	7.047246	7.000454	6.890231
CXCL5	CXCL5	6.933229	7.128463	6.867117	7.019527	6.939087	6.923992	6.863132	6.907964	6.87697	6.894684	6.763933	6.81863
CXCL6	CXCL6	8.77328	8.511949	7.225708	7.174198	7.111	6.986992	6.998806	6.998004	7.08483	7.147788	8.439824	9.563313

CXCL9	CXCL9	6.813506	7.038995	6.840088	6.932799	6.939301	7.012694	6.823881	6.884203	6.839994	6.865968	6.804972	6.698836
CXCR3	CXCR3	6.822618	6.981332	6.909366	7.058894	6.937995	7.136434	6.899976	6.974621	6.967249	7.011007	6.81254	6.810279
CXCR4	CXCR4	6.986034	7.07929	8.789638	8.21648	7.550781	7.568822	7.060671	7.040638	7.589203	7.013098	6.775849	6.772371
CXCR6	CXCR6	6.880982	7.064515	6.692566	6.952695	6.818277	6.997514	6.814552	6.863973	6.843894	6.944564	6.714344	6.76874
CXCR7	CXCR7	7.162958	7.609227	8.539814	10.76646	11.14042	9.30643	7.927508	7.973248	8.083185	7.478861	7.391255	7.18091
CXORF1	CXORF1	6.916175	7.121468	6.837034	7.049834	6.859889	6.88212	6.862518	7.003158	6.844898	6.978813	6.827304	6.797875
CXORF12	CXORF12	7.588265	7.760076	7.257729	7.760599	7.934224	8.506869	8.455134	8.343638	8.380479	8.356289	7.981195	8.245115
CXORF15	CXORF15	7.959762	8.285723	7.387003	7.388377	7.150705	7.557614	7.177313	7.32503	7.252053	7.254919	7.32803	7.216391
CXORF2	CXORF2	6.980653	7.236736	7.015163	7.144587	7.057258	7.045585	6.91986	6.998007	6.91153	6.994161	6.959388	6.980902
CXORF20	CXORF20	6.788625	7.017918	6.751415	6.962723	6.905293	6.869937	6.842018	6.898292	6.746329	6.914315	6.668533	6.778657
CXORF21	CXORF21	6.945047	7.111735	6.792089	6.987707	6.944771	7.005161	6.856905	6.928936	6.902047	6.952792	6.864322	6.872714
CXORF22	CXORF22	6.796803	7.023462	6.747341	6.909551	6.965654	6.938101	6.729882	6.768741	6.913172	6.884081	6.707725	6.769032
CXORF23	CXORF23	7.182263	7.548107	7.052214	7.327927	7.288669	7.427522	7.294148	7.313606	7.296029	7.304354	7.150756	7.19387
CXORF24	CXORF24	6.911466	7.082482	6.834959	7.07399	6.936648	6.952376	6.916671	6.919909	6.890956	6.948593	6.766344	6.939637
CXORF26	CXORF26	10.58176	11.49804	10.67348	11.06687	10.47746	10.9576	10.27987	10.23973	10.53961	10.22048	10.06899	9.868412
CXORF27	CXORF27	7.094102	7.094376	6.911377	7.360827	7.036007	7.095643	6.926911	7.002138	6.964505	6.953246	6.833044	6.937292
CXORF33	CXORF33	7.435578	7.93207	7.555736	7.539057	7.373451	7.801509	7.439556	7.407426	7.444103	7.485484	7.348609	7.436443
CXORF34	CXORF34	7.116879	7.216102	6.945759	7.222062	7.084067	7.223889	7.043629	7.103396	7.068802	7.104145	6.973077	6.928272
CXORF36	CXORF36	6.940413	7.234074	6.871609	7.051981	6.966667	6.974557	6.916976	6.947457	6.956683	7.027529	6.874893	6.914439
CXORF38	CXORF38	7.884523	8.082729	7.724595	7.687754	7.670074	7.944718	7.563493	7.614365	7.722832	7.600046	7.759379	7.700738
CXORF39	CXORF39	7.864953	8.852906	8.321429	8.176961	8.073261	8.105593	7.834976	7.588598	7.64929	7.497878	7.491069	7.498811
CXORF40A	CXORF40A	8.246642	8.406265	8.323452	8.480324	8.346414	8.983443	8.543214	8.707839	8.782328	8.763931	8.714695	8.67477
CXORF40B	CXORF40B	8.128358	8.486099	8.369254	8.505361	8.183408	8.575793	8.302016	8.250384	8.447746	8.345643	8.290275	8.303407
CXORF41	CXORF41	6.842091	7.085638	6.698347	7.102263	6.832715	6.920688	7.008858	6.996025	6.95562	6.909518	6.826893	6.902144
CXORF42	CXORF42	6.954883	7.195359	6.859016	7.165257	7.100408	7.027115	7.013974	7.067143	6.964451	7.139649	6.811363	6.907065
CXORF43	CXORF43	6.989399	7.114638	6.775769	7.047838	7.052198	7.089575	6.953367	6.950582	6.929187	7.040042	6.757403	6.942073
CXORF44	CXORF44	8.331026	8.428897	8.321012	8.762446	8.616871	8.797959	8.338633	8.020831	8.325514	8.06078	7.600939	7.973743
CXORF45	CXORF45	8.413748	8.262706	8.047273	8.228709	8.168091	8.516343	8.234986	8.438838	8.162487	8.387197	8.270347	8.191156
CXORF48	CXORF48	6.949598	7.11868	6.796464	7.052011	6.958892	6.9331	6.898665	6.948944	6.885207	6.97507	6.839498	6.861927
CXORF50	CXORF50	6.813925	7.157251	6.797996	7.155387	7.063527	6.930558	7.025191	6.912521	6.945128	6.887133	6.724142	6.818951
CXORF53	CXORF53	7.782449	8.120101	7.744702	8.031368	7.796205	7.974376	7.551896	7.640159	7.575043	7.656022	7.518227	7.396462
CXORF55	CXORF55	6.832989	7.04761	6.736201	7.008314	6.846079	6.876983	6.895806	7.016063	6.96644	6.878091	6.677298	6.857848
CXORF56	CXORF56	8.019258	8.49553	7.972196	7.995167	7.812251	8.626413	8.220128	7.990535	8.207745	8.076311	7.505224	7.947812
CXORF6	CXORF6	6.861335	7.270625	7.521993	7.443456	7.185401	7.342163	7.37196	7.603071	7.761647	7.567078	7.636155	7.087117
CXORF9	CXORF9	7.008087	7.153685	6.852609	7.13987	7.013486	7.031882	6.883334	7.056861	6.976556	7.008654	6.856287	6.96765
CXX1	CXX1	10.54228	10.75099	10.08562	10.89586	11.71451	12.69552	12.59128	12.77476	12.50783	12.86405	12.90015	12.29875

CXXC1	CXXC1	11.12505	11.44422	10.86747	11.2932	10.956	10.52521	10.13548	10.02218	10.09764	10.01405	9.563009	10.12102
CXXC4	CXXC4	7.316911	7.461081	7.032134	7.376327	7.397883	7.479347	7.205181	7.37666	7.23775	7.279929	7.047639	7.134603
CXXC5	CXXC5	10.2546	10.59369	11.27764	10.60468	9.923174	10.28521	9.928056	10.08035	10.27764	10.03245	10.12396	10.21633
CXXC6	CXXC6	8.862441	8.873058	8.370709	8.523497	7.9763	7.473293	7.385313	7.282035	7.35595	7.209804	6.966028	7.374849
CXYORF2	CXYORF2	6.858727	7.125658	6.839701	6.946737	6.982007	6.9394	6.881081	6.942177	6.933349	7.048137	6.728765	6.777138
CXYORF3	CXYORF3	9.930953	9.982741	9.554237	9.665689	9.845973	9.910491	9.471047	9.594396	9.488555	9.299788	9.562431	9.224836
CYB561	CYB561	7.742378	8.041569	7.574231	7.643661	7.463861	7.472376	7.41231	7.475571	7.555778	7.504776	7.32438	7.408778
CYB561D2	CYB561D2	8.075922	8.488879	8.213749	8.308698	8.373425	8.432345	8.006705	8.049322	8.078015	8.154139	8.34616	8.021343
CYB5A	CYB5A	10.94997	11.08655	10.08804	12.16089	11.82225	11.16056	10.5244	10.50454	10.41313	10.47151	9.958512	10.15632
CYB5D1	CYB5D1	9.236619	9.238249	9.626934	12.78117	11.62991	9.642987	8.701626	8.997776	8.712209	8.848499	8.904361	8.890203
CYB5D2	CYB5D2	8.049037	8.58539	8.297528	8.531637	8.651065	9.438157	8.976838	8.983834	8.999925	8.762323	8.789401	8.829793
CYB5-M	CYB5-M	12.38738	12.61889	12.2551	12.26055	12.29487	12.46692	11.85864	11.89477	12.08271	11.84294	11.77323	11.52675
CYB5R1	CYB5R1	8.693363	8.793412	8.575236	9.037794	9.278787	10.46251	10.54814	10.74169	10.88335	11.30056	11.05762	11.62026
CYB5R2	CYB5R2	9.513936	9.66763	8.393448	8.395381	7.947871	7.186679	7.093883	7.11701	7.25505	7.070428	6.831735	6.882139
CYB5R3	CYB5R3	11.75526	11.82753	11.43113	11.98411	12.3496	12.86397	12.94911	13.09898	13.0641	13.22877	13.1409	12.98935
CYB5R4	CYB5R4	8.099712	8.271019	8.022654	8.246485	8.064151	8.569234	8.19455	8.366339	8.252826	8.353059	8.408242	8.22834
CYBA	CYBA	10.98813	11.17138	10.71427	11.0005	10.87462	10.28708	9.953584	9.714185	9.523405	8.933605	9.563423	8.285017
CYBASC3	CYBASC3	8.50615	8.611922	8.183633	8.251865	8.070074	7.931062	8.032976	8.103778	8.175245	8.025578	8.275476	7.991095
CYBB	CYBB	6.861388	7.174406	6.874741	7.014035	6.887499	6.907216	6.798003	6.984464	6.946631	6.962144	6.730926	6.944794
CYBRD1	CYBRD1	7.543415	7.672028	7.310779	7.651349	8.242584	7.9154	7.977861	8.436582	8.827561	8.207493	9.416958	9.528722
CYC1	CYC1	11.92103	12.00544	11.43851	11.47213	11.68094	12.91311	12.378	12.58114	12.35295	12.77818	12.65096	12.38849
CYCS	CYCS	8.885863	9.349471	8.649183	8.809623	9.329492	11.02442	10.13717	10.11533	10.0833	10.03018	9.538452	9.380855
CYCSL1	CYCSL1	10.48101	10.89391	9.970583	9.810189	10.13572	11.96908	11.32609	11.34514	11.618	11.47735	11.28287	11.21431
CYFIP1	CYFIP1	8.334108	8.882176	8.826108	9.098439	8.575331	8.280878	7.822201	8.071091	8.020211	7.835625	8.377119	8.151978
CYFIP2	CYFIP2	9.469007	9.498902	8.324449	9.115677	9.412731	10.68747	10.3685	10.21629	9.63386	9.782465	8.953494	9.114681
CYGB	CYGB	7.173988	7.653592	7.779842	7.815788	8.988913	7.563153	7.306701	7.476103	7.540241	7.578474	8.088604	7.639571
CYHR1	CYHR1	7.099284	7.469162	7.106139	7.509071	7.517544	7.871814	7.461948	7.671526	7.430792	7.575699	7.466891	7.458768
CYLC1	CYLC1	7.029371	7.052072	6.840576	7.073501	6.876908	6.963709	6.896894	6.957402	6.88847	6.90303	6.756103	6.938896
CYLC2	CYLC2	6.996038	7.27618	7.046654	7.356047	7.165875	7.313869	7.116457	7.084425	7.12654	7.163531	6.905813	7.023945
CYLD	CYLD	7.192465	7.402073	7.194632	7.50781	7.523391	7.529607	7.290811	7.355152	7.185938	7.33518	7.211564	7.444716
CYLN2	CYLN2	6.885444	7.040363	6.696527	6.913016	6.934123	6.980099	6.855602	6.887224	6.804433	6.975161	6.710501	6.799651
CYORF14	CYORF14	6.951308	7.151843	6.940199	7.079282	7.015651	7.03371	7.000182	7.056524	7.005937	6.921341	6.830887	6.887639
CYORF15A	CYORF15A	7.938139	8.363958	7.447391	7.477355	7.253656	7.594172	7.198217	7.251584	7.355197	7.25213	7.020116	7.39393
CYORF15B	CYORF15B	6.96495	7.125057	6.880983	7.136537	7.04942	7.141274	7.074449	6.984006	7.056153	7.126198	6.949285	6.967708
CYORF16	CYORF16	6.8897	7.097137	6.819137	7.046416	6.997605	6.86192	6.921893	6.918554	6.948354	7.044816	6.79874	6.936624
CYP11A1	CYP11A1	7.592987	7.407953	7.493818	7.341941	7.259235	7.431111	7.256179	7.276084	7.13802	7.345786	7.122751	7.152739

CYP11B1	CYP11B1	6.828943	6.978258	6.757811	6.930508	6.829811	6.924084	6.793531	6.885709	6.820265	6.910931	6.732649	6.827572
CYP11B2	CYP11B2	6.900621	7.090575	6.836091	7.008566	7.001205	6.871179	6.847896	6.923599	6.856732	6.905088	6.834446	6.935773
CYP17A1	CYP17A1	6.978046	7.009495	6.878153	7.093369	6.934455	6.936744	6.86583	6.937986	6.959553	7.058927	6.763186	6.84698
CYP19A1	CYP19A1	6.824032	7.006906	6.835615	7.08709	6.907613	6.995523	6.797769	6.972675	6.872756	6.981819	6.796571	6.894495
CYP1A1	CYP1A1	6.827106	7.062446	6.893182	7.072963	7.021964	6.949317	6.943853	7.056616	6.859144	6.872311	6.965161	6.943039
CYP1A2	CYP1A2	6.786288	7.044388	6.849722	7.067223	7.051871	6.915985	6.835578	6.872472	6.914416	6.92579	6.869292	6.872532
CYP1B1	CYP1B1	7.104811	7.703319	8.626286	7.805581	7.18233	7.504614	8.17959	8.707575	8.777087	8.281625	8.747092	8.157865
CYP20A1	CYP20A1	8.424366	9.028484	8.776458	8.463294	8.551171	8.779383	8.226839	8.205447	8.183721	8.065561	7.986196	7.72597
CYP21A2	CYP21A2	6.945231	7.186653	6.85515	7.127039	7.128435	7.221784	7.21333	7.301569	7.630275	7.964933	7.937632	7.914958
CYP24A1	CYP24A1	6.805152	6.891058	6.852446	7.005923	6.883608	6.791752	6.832246	6.858531	6.864243	6.855202	6.857318	6.833049
CYP26A1	CYP26A1	7.351816	8.321233	11.21992	9.711976	7.696663	6.978344	6.912402	6.950817	7.00716	7.009913	6.806524	6.853456
CYP26B1	CYP26B1	6.865197	7.137943	7.215379	7.254215	7.531016	7.511405	7.524126	7.753354	7.913078	7.602452	7.444031	7.150155
CYP26C1	CYP26C1	6.811719	7.126587	6.781635	7.09532	6.950127	6.909968	6.933758	6.860026	6.918964	7.064528	6.800316	6.716135
CYP27A1	CYP27A1	7.86719	7.832139	8.934954	10.00045	9.013697	9.071122	8.362708	8.248182	7.865757	7.643642	7.256514	7.552197
CYP27B1	CYP27B1	7.368684	7.607246	7.289333	7.381193	7.083036	7.081521	6.959772	6.98873	6.934708	7.016234	6.867575	6.994009
CYP2A13	CYP2A13	6.929175	7.178034	6.784836	7.01353	6.942211	7.037398	6.860509	6.927864	6.954177	6.877415	6.910054	6.855709
CYP2A6	CYP2A6	6.898065	7.124172	6.780578	7.068641	6.974721	6.960349	6.856554	6.998913	6.98344	6.961996	6.787175	6.777635
CYP2A7	CYP2A7	6.914956	7.111131	6.861109	7.061751	6.931263	7.071685	7.020793	6.919624	6.904497	6.987837	6.872583	6.968871
CYP2B6	CYP2B6	6.823219	7.027955	6.814097	7.081624	6.87387	6.978007	6.896808	6.945156	6.919557	6.949907	6.775884	6.867434
CYP2B7P1	CYP2B7P1	6.793354	7.016828	6.777999	6.922202	6.878029	6.897284	6.823079	6.953583	6.820372	6.867938	6.726602	6.854627
CYP2C18	CYP2C18	6.828681	7.081743	7.026086	6.965358	6.973665	6.996788	6.901318	6.95177	6.869576	6.984151	6.790528	6.866992
CYP2C19	CYP2C19	6.967242	7.107053	6.885492	7.115719	6.910446	7.06422	7.031497	6.939161	6.964773	6.880114	6.853512	6.844384
CYP2C8	CYP2C8	7.118203	7.37697	7.06513	7.386303	7.252501	7.540654	7.337151	7.191211	7.178226	7.11627	6.802044	6.869064
CYP2C9	CYP2C9	6.824374	6.949877	6.815475	6.98147	6.819415	6.812261	6.85311	6.843528	6.793719	6.864492	6.777621	6.821873
CYP2D6	CYP2D6	7.00633	7.303032	6.967327	7.210097	7.107109	7.172937	7.018185	7.067122	7.066248	7.095249	6.869119	7.044951
CYP2D7P1	CYP2D7P1	7.115562	7.204631	6.966405	7.219179	7.146168	7.17088	6.99161	7.077279	7.005572	7.14807	7.00505	6.898471
CYP2E1	CYP2E1	6.985026	6.995621	6.82514	7.087491	7.162598	7.78836	7.32079	7.463244	7.400642	7.433641	7.072025	7.127452
CYP2F1	CYP2F1	7.122495	7.125906	6.822532	7.114367	7.22742	6.911778	6.831602	6.884243	6.913917	6.922681	6.724989	6.749842
CYP2J2	CYP2J2	7.576354	7.652679	6.924571	7.18363	7.480315	9.282933	9.63631	10.73172	10.22341	11.25849	10.91055	10.77921
CYP2R1	CYP2R1	8.309016	8.443821	8.201513	8.218173	8.33375	8.880904	8.409721	8.514803	8.410095	8.324293	8.268032	7.935306
CYP2S1	CYP2S1	10.1506	10.57934	8.238499	7.511596	7.401252	7.149165	7.011498	7.04777	7.021201	6.992359	6.94426	6.839172
CYP2U1	CYP2U1	7.332354	7.438377	6.990174	7.333338	7.19813	7.639874	7.331467	7.427169	7.343668	7.484918	7.411159	7.527646
CYP2W1	CYP2W1	6.883096	7.168626	7.037318	7.13338	6.996325	7.059196	6.927465	7.066715	6.964629	7.148023	6.77092	6.810581
CYP39A1	CYP39A1	6.942299	7.085705	6.863165	7.078721	7.006928	7.133086	6.98919	7.100641	7.076558	7.200862	6.88791	6.90285
CYP3A4	CYP3A4	7.026478	7.098992	7.052106	7.065946	6.976888	6.974242	6.952235	6.972714	6.972925	7.040554	6.86651	6.917129
CYP3A43	CYP3A43	6.914255	6.947701	6.816816	6.986995	6.888455	7.030666	6.847293	6.944546	6.859308	6.939511	6.727551	6.748518

CYP3A5	CYP3A5	6.816907	7.039913	6.90475	7.042886	7.207298	7.026249	6.980835	6.897188	6.927302	6.929873	6.693155	6.836872
CYP3A7	CYP3A7	6.84925	7.108037	6.732245	7.025949	7.00361	7.069707	6.932352	6.795261	6.916553	6.955654	6.720426	6.797393
CYP46A1	CYP46A1	7.023683	7.236897	6.812533	7.632667	8.339177	9.01675	8.928035	8.845128	8.597184	8.68326	7.643717	7.862317
CYP4A11	CYP4A11	6.976913	7.164022	7.073826	7.181097	7.065385	7.070805	7.115038	7.063585	6.978497	7.081988	6.863282	6.899218
CYP4A22	CYP4A22	6.817091	6.918652	6.766235	6.96815	6.854337	6.962253	6.821939	6.838095	6.839117	6.889926	6.731265	6.815805
CYP4B1	CYP4B1	6.917728	7.145154	6.89892	7.046717	7.048396	6.995476	6.977024	6.982036	6.968653	6.977175	6.857028	6.884091
CYP4F11	CYP4F11	6.908357	7.132724	6.803391	7.037072	6.955992	6.964039	6.888968	6.932783	7.004918	6.928177	6.837815	6.732123
CYP4F12	CYP4F12	6.819292	7.08926	6.756788	6.917702	6.853827	6.851978	6.856916	6.887745	6.706855	6.896989	6.784277	6.720535
CYP4F2	CYP4F2	6.846275	7.092059	6.820284	6.993109	6.881013	6.96287	6.825203	6.884539	6.851941	6.945171	6.66651	6.793255
CYP4F3	CYP4F3	6.868815	7.02825	6.744955	6.931285	6.925892	6.941625	6.832262	6.869338	6.824404	6.913244	6.745582	6.835779
CYP4F8	CYP4F8	6.744021	7.02879	6.808786	6.967177	7.01995	7.031414	6.842858	6.959946	6.888476	6.902888	6.850507	6.867271
CYP4V2	CYP4V2	7.127771	7.350807	7.116517	7.688162	7.881879	8.69641	8.47379	8.298222	8.128863	8.097645	7.776026	7.851477
CYP4X1	CYP4X1	7.681008	7.616435	8.075798	8.449402	7.742268	7.015398	6.964441	7.086529	7.105136	7.008091	6.88885	6.839984
CYP4Z1	CYP4Z1	6.895558	7.125661	6.85262	7.07128	6.964215	6.98582	6.936247	6.95963	6.921933	6.934873	6.779492	6.823071
CYP4Z2P	CYP4Z2P	6.964615	7.108227	6.831797	7.092543	6.954937	7.003276	6.946612	7.015892	6.979058	6.973002	6.78616	6.893408
CYP51A1	CYP51A1	9.456308	9.787887	9.080198	9.281835	9.039112	9.020948	9.3853	8.539449	9.528878	9.00735	8.498157	9.178568
CYP7A1	CYP7A1	6.824985	7.007734	6.784217	6.968474	6.938626	7.026567	6.838407	6.895482	6.791543	6.919439	6.705613	6.782026
CYP7B1	CYP7B1	6.843302	7.150933	6.878042	7.043172	7.02476	7.047723	6.945764	6.974809	6.959687	7.091635	6.868019	6.888865
CYP8B1	CYP8B1	6.798182	7.054811	6.934202	6.982859	6.936466	7.147997	6.916068	7.028576	6.940337	6.968937	6.780762	6.832991
CYR61	CYR61	9.97106	10.2917	8.905715	10.10893	9.013124	10.09995	8.865405	9.688204	9.578312	9.923243	10.97282	11.0358
CYS1	CYS1	6.947449	6.985173	6.804443	6.935184	6.914048	6.92876	6.818731	6.8348	6.861721	6.960158	6.762044	6.801402
CYSLTR1	CYSLTR1	6.868264	6.991089	6.850593	7.167967	7.015001	6.920536	6.94859	7.009001	7.037553	6.989071	6.862924	6.851293
CYSLTR2	CYSLTR2	6.899395	7.136604	7.004276	7.152553	7.057337	7.113022	6.842811	7.004749	6.969552	6.828278	6.903978	6.942597
CYTL1	CYTL1	7.68055	7.881007	7.024348	7.359797	7.517559	7.119807	7.213997	7.408777	7.69095	7.316334	7.365238	6.956706
CYYR1	CYYR1	9.346325	8.706788	8.528319	9.496868	8.932094	7.659114	7.180227	7.113604	7.357815	6.938918	6.810996	6.945291
D15WSU7	D15WSU7	8.569379	9.501108	8.639935	8.8168	8.644451	9.499716	9.155821	9.600967	9.320265	9.853919	10.24506	9.291175
D21S2056	D21S2056	6.907498	7.101765	6.906558	7.092342	7.128765	7.000713	6.933443	6.95648	7.016939	7.005136	6.821559	6.877128
D2HGDH	D2HGDH	7.961611	7.994914	7.978861	8.768744	8.996532	8.32523	8.473244	8.530776	8.511171	8.397461	8.411525	8.200462
D4S234E	D4S234E	10.54854	10.39225	8.553838	9.825847	10.72184	9.10231	9.245069	9.545277	10.38895	8.363379	8.0644	7.289702
D4ST1	D4ST1	7.846218	8.057038	8.127668	8.653273	8.303628	7.831271	7.904764	7.985688	7.891419	7.958118	8.13454	7.796537
DAAM1	DAAM1	8.751623	9.432334	9.173168	9.618825	9.717761	10.91599	10.27218	10.2558	10.05136	10.12022	9.928292	9.657336
DAAM2	DAAM2	7.23224	7.429479	7.069911	7.450871	7.659711	7.699255	7.750386	7.864976	7.831304	7.714218	7.440813	7.10231
DAB1	DAB1	6.805665	7.058878	6.925661	6.949147	6.792054	7.028785	6.753051	6.940352	6.759269	6.778291	6.680425	6.706754
DAB2	DAB2	7.789496	7.941018	9.760674	10.98627	10.03965	9.480055	8.826903	8.742772	8.920735	8.746779	9.123042	9.425764
DAB2IP	DAB2IP	6.911395	7.183804	6.8512	7.169914	7.067177	7.170509	6.955153	7.013544	7.001521	7.053783	6.944753	6.992089
DACH1	DACH1	7.063902	7.387127	7.272694	8.477037	8.376339	7.9115	7.531991	7.165425	7.715958	7.088073	6.780158	6.89115

DACH2	DACH2	7.180732	7.138351	7.179036	7.402221	7.256359	7.310021	7.018859	7.009048	7.359736	6.882676	6.880199	6.853151
DACT1	DACT1	7.540343	8.553421	9.858497	10.12845	9.758602	9.64743	9.342423	9.174799	8.915885	8.589693	8.307389	7.860217
DACT2	DACT2	7.68303	7.413803	6.976949	7.570449	7.583693	7.01057	7.156066	7.174446	7.463002	6.982808	7.026689	6.872309
DAD1	DAD1	11.86916	12.60909	12.56454	12.79383	12.6801	13.31576	12.68863	12.76305	12.89347	12.74416	13.05188	12.29851
DAG1	DAG1	10.33269	10.1666	9.598546	10.62093	10.23856	10.64776	10.34882	10.54949	10.21511	10.36588	10.25914	10.04809
DAK	DAK	7.688432	8.000122	7.547692	7.709802	7.561987	7.682182	7.405369	7.318142	7.388289	7.457797	7.24233	7.245864
DALRD3	DALRD3	7.078702	7.276911	7.132488	7.256326	7.226249	7.202095	7.077306	7.255852	7.097243	7.104947	6.979648	6.981389
DAND5	DAND5	6.896584	7.009004	6.760492	7.065865	7.005905	7.241123	7.124389	7.115308	7.123368	7.331911	7.267536	7.448943
DAO	DAO	6.919512	7.086838	6.883038	6.986972	6.879197	7.136877	6.932469	6.982948	6.953687	7.033898	6.728239	6.81564
DAOA	DAOA	6.854885	7.002493	6.699571	7.049654	6.895194	6.957785	6.779777	6.990365	6.823382	6.921007	6.730591	6.766811
DAP	DAP	8.198969	8.684508	8.322671	9.109428	8.970185	8.886987	9.222039	9.467005	9.175778	9.651642	9.859625	9.34467
DAP3	DAP3	9.704373	9.951839	9.41414	9.712878	9.827412	10.29111	9.866252	10.02355	9.94209	9.873942	9.809432	9.55124
DAPK1	DAPK1	9.396375	9.653767	9.273074	9.30652	9.206444	8.548386	8.268487	8.544269	8.368674	7.978786	8.040958	7.513552
DAPK2	DAPK2	6.980106	7.079795	6.805399	7.010422	6.944108	7.005221	7.035152	7.070793	7.077528	7.146481	6.999529	6.959441
DAPK3	DAPK3	7.567255	8.49393	7.615301	7.962967	7.810632	8.473531	8.286325	8.36147	8.150711	8.606153	8.310617	8.570841
DAPP1	DAPP1	10.68717	11.76801	11.07629	11.49915	11.49142	11.34459	11.55988	10.81709	11.39843	10.96232	10.21601	11.29204
DARC	DARC	7.059564	7.250636	6.916873	7.279983	7.220889	6.989671	6.986797	7.02243	7.019331	6.867152	6.79348	6.900121
DARS	DARS	12.96728	12.8532	12.59665	12.52343	12.70583	12.98058	12.06121	12.23247	12.1266	12.00311	12.12361	12.48872
DARS2	DARS2	9.245609	9.85097	9.170325	8.933047	8.566211	9.65988	8.917642	8.854155	8.74379	8.974873	8.330492	8.418871
DAXX	DAXX	8.479541	8.913428	7.970159	8.130894	7.749221	7.678087	7.517801	7.596074	7.486206	7.691141	7.760527	7.476909
DAZ1	DAZ1	6.901403	7.011916	6.814835	6.963096	6.931595	6.881987	6.861778	6.963468	6.83862	6.945538	6.826795	6.758213
DAZ2	DAZ2	6.876207	6.949083	6.752004	6.965747	6.935685	6.906903	6.837816	6.921233	6.887386	6.947282	6.752928	6.860413
DAZ3	DAZ3	6.987257	7.12257	6.875927	7.05987	6.993148	6.976516	6.905814	7.013253	6.912365	7.019674	6.986662	6.893489
DAZ4	DAZ4	6.938099	7.201595	6.876481	7.070809	6.973222	6.992754	6.973243	6.919933	6.934359	6.979331	6.757802	6.998673
DAZAP1	DAZAP1	9.250732	9.301123	8.453829	8.414684	8.177081	8.562323	8.107307	8.209271	8.096348	8.199258	7.946605	7.688851
DAZAP2	DAZAP2	10.43384	10.44991	10.54988	11.10679	12.11828	12.80544	12.21903	12.42331	12.33918	12.31301	12.36699	12.29816
DAZL	DAZL	7.744406	7.154636	6.762253	7.014696	6.886781	6.983294	6.873482	6.918627	6.832473	6.928161	6.830693	6.795961
DBC1	DBC1	9.555614	9.803236	8.981163	7.695321	8.742953	7.962303	7.714331	7.605293	8.745594	7.32828	7.283589	6.792772
DBF4	DBF4	7.103219	7.362207	6.99453	7.338032	7.104802	7.097649	7.00751	6.953491	7.009247	7.038403	6.966928	6.915337
DBF4B	DBF4B	6.937604	7.174661	6.911755	7.156648	6.964452	7.064054	6.921281	7.003842	6.887223	6.864478	6.783867	6.774969
DBH	DBH	6.924256	7.059066	6.757897	6.970958	6.950613	7.013195	6.921866	6.929853	7.235032	7.029673	6.833376	6.834057
DBI	DBI	11.92064	12.26643	11.73353	11.67093	11.27157	11.90094	11.70779	11.72559	12.16762	12.03663	11.89058	11.08695
DBN1	DBN1	10.6814	11.18364	10.49903	10.87294	10.3766	10.69146	10.1205	10.01313	10.21176	9.897385	9.764578	9.975048
DBNDD1	DBNDD1	11.15102	11.91775	9.466598	9.109466	8.065669	8.034004	8.184145	8.130298	8.894474	8.401578	8.931455	9.887211
DBNDD2	DBNDD2	6.826155	6.945771	6.780593	6.873367	6.813946	6.78826	6.749899	7.008046	6.78152	6.782109	6.784045	6.78328
DBNL	DBNL	9.602015	10.48934	9.758331	10.33733	10.32741	10.47684	10.20475	10.14929	10.21235	10.23568	10.16555	10.33632

DBP	DBP	7.20265	7.473193	7.086579	7.262746	7.637505	7.897633	7.82725	7.756548	7.670272	7.624335	7.324611	7.662697
DBR1	DBR1	7.607816	7.889722	7.503293	7.729293	7.545698	7.561305	7.369604	7.427759	7.475016	7.495325	7.320744	7.413075
DBT	DBT	10.39835	10.40328	9.428337	9.873411	9.946814	10.3255	10.19144	10.06232	10.18103	10.2752	9.828492	10.02769
DBX1	DBX1	6.922535	7.050562	6.914249	6.948467	6.937418	7.155591	7.019524	6.892214	6.972756	6.879551	6.744234	6.870262
DBX2	DBX2	6.933511	7.113147	6.807569	7.066755	6.945942	7.090421	6.916489	6.908673	6.973595	7.016749	6.871436	6.819922
DC2	DC2	11.42996	11.93625	11.68018	11.6997	11.9476	12.03181	11.60529	11.61888	11.81983	11.46665	12.01196	11.29994
DC36	DC36	6.956023	7.327516	7.196983	7.404421	7.175112	7.363775	7.245214	7.2141	7.094423	7.204326	7.117881	7.077203
DCAKD	DCAKD	11.25268	11.34211	10.99433	11.43515	11.51344	11.67393	11.51247	11.3375	11.4179	11.15065	10.52483	10.975
DCAL1	DCAL1	6.875394	7.035337	6.743582	7.080916	6.905772	7.114229	6.850554	6.944592	6.751032	6.869953	6.776401	6.856042
DCAMKL1	DCAMKL1	9.382976	10.37408	9.72888	7.335887	7.186485	7.393556	7.373737	7.633858	8.451635	7.550895	7.799525	7.226227
DCAMKL2	DCAMKL2	6.827566	7.149321	6.79823	7.273454	7.391949	8.040893	7.791679	7.959418	8.009553	7.942938	7.704952	7.763537
DCAMKL3	DCAMKL3	6.926664	7.135745	6.941448	7.161674	7.046562	6.855288	6.956284	6.915588	6.805185	6.863526	6.795004	6.853793
DCBLD1	DCBLD1	7.844797	7.68867	8.25469	8.264695	7.839636	7.479243	7.320908	7.272906	7.382216	7.223716	7.420069	7.786675
DCBLD2	DCBLD2	10.81024	11.22174	11.12708	11.44022	10.99567	11.979	11.61179	11.84489	11.80834	11.76945	11.93108	11.9405
DCC	DCC	6.89002	7.127497	6.847614	7.077071	6.908901	6.935757	6.97007	6.967241	6.986135	6.979348	6.832923	6.857429
DCC1	DCC1	9.054448	9.011834	7.994297	7.960272	7.604556	7.789441	7.464567	7.262258	7.543513	7.365199	7.175592	7.158339
DCD	DCD	6.915668	7.257301	6.775972	7.179188	6.955062	6.986269	6.889793	6.882902	6.966963	7.046343	6.869708	6.807191
DCDC1	DCDC1	6.809885	6.978214	6.784018	6.918524	6.798903	6.953289	6.830829	6.873436	6.769417	6.928481	6.718903	6.86038
DCDC2	DCDC2	6.730705	6.993348	6.738412	6.946837	6.877904	6.988214	6.757657	6.880224	6.983684	6.88242	6.711691	6.671468
DCDC5	DCDC5	7.828362	8.084657	7.783698	7.864902	7.617831	7.224057	7.174966	7.30021	7.319043	7.195494	6.968077	7.117689
DCHS1	DCHS1	7.574116	7.956624	7.629094	7.984117	7.757131	7.831176	7.601561	7.545125	7.656059	7.550626	7.382633	7.397527
DCHS2	DCHS2	6.872175	6.999568	6.772062	7.009661	6.864478	6.931625	6.837132	6.894233	6.928153	6.888928	6.692542	6.839582
DCI	DCI	9.696311	9.966773	9.058998	9.660674	9.576695	11.46741	10.75938	10.43408	10.42715	10.78184	9.450693	10.15813
DCK	DCK	8.413652	8.666847	8.285274	8.497877	8.233808	8.708969	8.350431	8.506285	8.473124	8.408426	8.380791	8.148491
DCLRE1A	DCLRE1A	8.924114	9.173734	8.939246	9.028523	8.518157	8.645784	8.441675	8.139638	8.341153	8.24088	7.671129	8.091265
DCLRE1B	DCLRE1B	7.171588	7.265796	7.107159	7.468876	7.304553	7.124236	7.025291	7.006894	6.994403	6.976391	6.912417	6.968488
DCLRE1C	DCLRE1C	7.914095	8.679172	8.393467	8.69488	8.479558	8.555253	8.529097	8.167717	8.388384	8.147321	7.542416	8.073854
DCN	DCN	6.906746	7.067284	7.008844	10.84437	13.24973	10.05571	8.940001	9.633027	11.11364	8.926893	9.296621	9.325151
DCP1A	DCP1A	8.079327	8.189473	8.329283	9.08315	8.576642	8.973948	8.254964	8.452485	8.068549	8.191005	8.160469	8.267042
DCP1B	DCP1B	7.350366	7.592312	7.285608	7.410268	7.297972	7.243769	7.07722	7.211677	7.067096	7.07931	7.033942	6.988996
DCP2	DCP2	11.73483	12.24336	11.45607	11.76716	11.33346	10.00192	9.326979	9.156611	9.6775	8.882484	8.555139	8.709933
DCPS	DCPS	8.358054	8.66122	7.793225	8.021718	7.714226	7.894549	7.816602	7.846936	7.82502	8.00569	7.92943	7.677673
DCST1	DCST1	7.049451	7.16434	6.904856	7.146039	7.110063	7.10323	6.835668	7.03791	6.893653	6.862658	6.846468	6.881854
DCST2	DCST2	6.863121	6.901053	6.71137	6.991526	6.878383	6.941045	6.814147	6.945441	6.783235	6.842556	6.820501	6.776658
DCT	DCT	6.857736	7.090292	6.907434	7.09844	6.93149	6.972417	6.926969	6.989834	7.109843	7.045703	6.805186	6.84116
DCTD	DCTD	9.533749	9.813944	9.481	9.865162	9.768828	9.647042	9.245201	9.467823	9.237996	9.242553	9.480703	9.469675

DCTN1	DCTN1	9.614245	10.08915	9.495006	9.921058	9.657421	9.93	9.637056	9.455039	9.454825	9.483403	9.018448	9.380435
DCTN2	DCTN2	11.85357	11.88815	11.46183	11.88419	11.80817	12.40428	12.04663	12.28262	12.25323	12.35113	12.492	12.34179
DCTN3	DCTN3	8.61306	8.930688	9.136249	9.932702	10.41868	10.5698	10.62152	10.68861	10.85355	10.89974	10.83329	10.45095
DCTN4	DCTN4	8.936098	9.578816	9.458809	9.897775	9.58291	9.873267	9.679292	9.18117	9.536472	9.239077	8.783906	9.442283
DCTN5	DCTN5	9.880804	10.60525	10.10043	10.20941	9.691235	10.14312	9.593253	9.827836	9.57169	9.638509	9.913439	9.661193
DCTN6	DCTN6	8.997231	9.374607	9.180289	9.442717	9.860257	10.80026	10.23776	10.42586	10.40698	10.39812	10.28036	9.730307
DC-UBP	DC-UBP	8.542961	8.885002	8.280372	8.539162	8.180214	8.218544	7.931096	8.031387	7.950007	7.750285	7.681372	7.74277
DCUN1D1	DCUN1D1	8.103385	8.299168	8.623261	8.472565	8.134762	8.833406	8.326786	8.585657	8.411715	8.303443	8.135826	8.638066
DCUN1D2	DCUN1D2	7.567325	7.668404	7.353993	7.717451	7.627933	8.036169	7.559767	7.728734	7.572045	7.638243	7.332484	7.611328
DCUN1D3	DCUN1D3	9.162617	9.526354	9.260378	9.386068	8.91674	9.21045	8.699105	8.791685	8.79407	8.560133	8.438928	8.679383
DCUN1D4	DCUN1D4	9.748228	10.11441	9.588427	9.884486	9.921405	10.37493	9.806194	9.809907	9.894999	9.589577	9.240395	9.617649
DCUN1D5	DCUN1D5	11.65141	11.80432	10.77984	10.65784	10.56345	11.20012	10.49013	10.62635	10.55999	10.5715	10.89114	10.21915
DCX	DCX	7.165008	7.560492	7.228736	7.215835	7.443804	7.017689	7.054008	7.089852	8.825229	7.151182	6.926095	6.963691
DCXR	DCXR	9.610282	9.543899	9.293604	9.94029	10.22977	10.56366	10.26798	10.13641	10.33039	10.46533	10.04067	10.09086
DDA1	DDA1	10.28985	10.55229	10.19643	10.54647	10.45531	11.12591	10.82517	10.84133	10.74151	11.10448	11.20755	10.5409
DDAH1	DDAH1	9.562062	10.27744	8.424701	9.083116	8.585371	9.327038	8.21289	8.343032	8.497042	8.347616	9.11843	8.557307
DDAH2	DDAH2	7.340485	7.925106	7.651016	8.09554	7.704622	7.832035	7.60208	7.500378	7.586047	7.663451	7.538595	7.509183
DDB1	DDB1	11.58788	11.77017	11.28138	11.53288	11.37279	11.59378	11.11219	11.16028	11.0936	11.05819	10.77208	10.96072
DDB2	DDB2	7.469863	7.66375	7.281014	7.406657	7.38389	7.788153	7.452904	7.217079	7.379404	7.236103	7.029828	7.316543
DDC	DDC	6.939378	7.069519	6.872659	7.199184	7.106816	6.955267	6.811322	6.946536	6.916225	6.875584	6.809313	6.817401
DDEF1	DDEF1	9.027133	9.451693	9.164716	9.970959	9.685063	10.24256	9.743855	9.903499	9.360915	9.628764	9.685219	9.368327
DDEF2	DDEF2	8.428185	8.620427	7.691996	8.889964	8.572646	8.734944	8.493684	8.560348	8.471367	8.457446	8.984494	8.44102
DDEFL1	DDEFL1	10.03142	9.589236	9.493497	9.662564	9.758451	10.01179	9.902433	9.58105	9.994116	9.761467	9.059741	9.397452
DDHD1	DDHD1	6.887412	7.129685	6.891955	7.145876	7.13847	7.143158	7.101911	7.014608	7.071551	7.144476	6.853977	6.942271
DDHD2	DDHD2	7.800488	7.713881	7.903795	8.406168	8.257314	8.56932	8.243016	8.447637	8.415435	8.438877	8.499351	8.524565
DDI1	DDI1	7.03699	7.068278	7.062217	7.134738	7.091128	7.18168	7.012761	6.975768	7.019365	7.081293	6.96462	6.893332
DDI2	DDI2	7.047972	7.246025	6.883688	7.144042	7.012613	7.033522	6.960017	6.955731	6.964146	7.032971	6.947401	6.883986
DDIT3	DDIT3	7.548113	8.65125	7.984736	8.241511	8.677217	9.65255	8.669922	8.986332	9.541368	9.24066	9.694288	9.964616
DDIT4	DDIT4	10.99905	10.15563	8.82267	10.41751	10.91359	9.194764	8.933666	9.082855	10.32555	9.097225	9.895633	10.3953
DDIT4L	DDIT4L	9.287907	9.181281	8.264138	9.247421	8.101218	9.528548	8.721568	8.965013	9.006664	8.878576	8.093145	8.591516
DDN	DDN	6.998313	7.129522	6.910157	7.048995	7.076821	7.317222	7.095035	7.099087	7.221235	7.083217	6.918904	6.973404
DDO	DDO	6.85773	7.091795	6.77603	6.989561	6.901106	6.927053	6.873782	6.943772	6.882523	6.951247	6.770724	6.912473
DDOST	DDOST	11.44322	11.81608	10.96258	11.41348	11.24267	11.04401	10.93246	10.43801	10.89683	10.58674	10.38435	11.31578
DDR1	DDR1	8.718782	9.17429	8.20046	7.940917	8.223372	8.808349	8.442092	8.592317	8.666683	8.731351	8.752466	8.606111
DDR2	DDR2	6.964789	7.09425	6.890458	8.525367	8.984206	7.519403	7.327908	7.504512	8.149021	7.560297	8.061454	8.280096
DDT	DDT	12.00459	12.43625	12.16006	11.36297	11.56903	12.48982	12.07776	11.85324	11.97542	12.17437	12.27668	11.92498

DDX1	DDX1	12.13883	12.58681	12.42392	12.51699	12.03848	12.46956	11.97979	12.26453	12.04297	12.1226	11.91758	11.68635
DDX10	DDX10	10.13711	10.52282	9.859893	10.07714	9.500812	9.779085	8.867965	9.04021	8.972819	8.990992	9.915965	9.146131
DDX11	DDX11	7.289802	7.557006	7.135034	7.271983	7.172048	7.071436	6.998988	7.044482	7.021423	7.095011	6.893568	6.833385
DDX12	DDX12	7.042031	7.269283	6.941773	7.145019	7.030325	7.076448	6.970024	7.013508	7.012035	7.01796	6.853652	6.874522
DDX17	DDX17	10.55286	10.92872	10.44732	10.91615	10.97192	10.89362	10.76764	10.25982	10.63631	10.21944	9.697862	10.29345
DDX18	DDX18	11.2425	11.46053	11.20073	11.48999	10.83266	11.16608	10.32449	10.44209	10.26017	10.32496	10.20772	10.18282
DDX19A	DDX19A	9.121003	9.508323	8.889641	9.338248	9.206749	9.728541	9.282974	9.275574	8.988976	9.284793	9.11286	9.073514
DDX19B	DDX19B	9.653521	10.02226	9.439566	9.446711	9.049851	9.202805	8.908898	8.97622	8.943332	8.968843	8.676177	8.845213
DDX19-DD	DDX19-DD	7.167556	7.339994	7.162968	7.377058	7.232142	7.272955	7.322469	7.174165	7.273604	7.140959	7.03349	7.077057
DDX20	DDX20	7.450861	7.788411	7.437057	7.833106	7.619086	8.041203	7.487713	7.458041	7.561217	7.506717	7.336068	7.510336
DDX21	DDX21	11.9681	12.20797	11.35044	11.01153	10.40925	10.83707	9.862079	9.841563	10.03329	9.818229	10.35625	10.0646
DDX23	DDX23	9.322264	9.415201	9.003554	9.207147	8.893876	8.84279	8.595944	8.688385	8.442961	8.467558	8.256006	8.253088
DDX24	DDX24	10.17477	10.49909	10.16928	10.45532	10.28389	11.21313	10.78475	10.99825	10.75643	11.0477	10.88643	11.02554
DDX25	DDX25	8.150566	8.568968	7.450339	7.319754	7.335961	7.321573	6.952886	6.976248	7.016409	6.956931	6.84568	6.911222
DDX26	DDX26	10.29408	10.88992	10.10552	10.30079	10.03427	10.17184	9.913571	9.661847	9.671845	9.458744	9.602596	9.667842
DDX26B	DDX26B	6.95111	7.404716	7.166634	7.860319	7.867549	8.29973	7.872584	7.874522	7.811613	7.738257	7.1456	7.272499
DDX27	DDX27	9.686398	10.06511	9.226772	9.099482	8.767588	9.124193	8.594833	8.283165	8.688054	8.467418	8.021804	8.924732
DDX28	DDX28	8.076963	8.566283	8.046425	8.213131	7.859185	8.74134	8.1756	8.262601	8.337154	8.466804	8.189747	8.590078
DDX31	DDX31	7.916246	8.197283	7.712225	7.865676	7.676851	7.810505	7.353395	7.434442	7.413527	7.397542	7.350549	7.459769
DDX39	DDX39	10.68708	11.32404	10.71068	10.7463	10.0862	10.67221	10.18264	10.08643	10.14418	10.11209	9.875917	9.529362
DDX3X	DDX3X	10.768	11.14868	10.98545	11.29254	10.87077	11.2228	10.3844	10.49379	10.48367	10.33731	10.5011	10.51648
DDX3Y	DDX3Y	6.832042	6.96381	6.755052	7.009155	6.958162	6.924132	6.895237	6.940242	6.791241	6.797737	6.748734	6.747859
DDX4	DDX4	6.853322	7.002764	6.69227	7.018914	6.956856	6.873289	6.855022	6.970195	6.799298	6.880688	6.739371	6.807511
DDX41	DDX41	8.922173	9.248859	8.580145	9.074868	8.775983	8.752743	8.417317	8.47471	8.426222	8.593823	8.52594	8.573074
DDX42	DDX42	10.07352	10.58128	10.03115	10.06551	9.927383	9.950957	9.504667	9.452435	9.434011	9.205573	8.889026	8.895548
DDX43	DDX43	6.833281	7.006103	6.715902	7.063648	6.862735	6.980142	6.944978	6.898238	6.798767	6.87382	6.815062	6.811621
DDX46	DDX46	9.726627	9.950636	9.46011	9.532978	9.302206	9.951014	9.321231	9.101459	8.965266	8.889444	8.255966	8.228964
DDX47	DDX47	11.02335	11.36862	10.83163	11.03254	10.83643	11.25592	10.44264	10.53914	10.67083	10.5819	10.56176	10.4997
DDX48	DDX48	11.96932	12.34654	11.76797	11.70694	11.4323	12.04756	11.18027	11.29643	11.11733	11.18472	11.23163	10.94149
DDX49	DDX49	7.332203	7.527338	7.178449	7.176996	7.157153	7.633335	7.342782	7.433225	7.384755	7.510463	7.305196	7.37526
DDX5	DDX5	13.05081	13.6151	13.36789	13.69583	13.08044	13.54287	13.18169	13.31083	13.21311	13.13839	13.00776	12.79273
DDX50	DDX50	9.64969	10.1933	9.597348	10.10711	9.885023	10.48543	9.964206	9.979926	10.09801	9.863826	9.531289	9.985664
DDX51	DDX51	10.63069	11.62871	10.88214	11.37443	11.5129	11.25958	11.45413	10.92203	11.21377	10.93794	10.46858	11.12447
DDX52	DDX52	9.251517	9.759601	9.206892	9.461652	8.977553	9.169185	8.591684	8.334454	8.639479	8.643889	8.498502	8.493405
DDX53	DDX53	6.931354	7.229106	6.802866	7.078075	6.884291	7.099195	7.036713	7.023433	6.920642	6.939102	6.81425	6.847628
DDX54	DDX54	8.381047	8.439869	7.888771	7.964151	8.040207	8.284595	7.846713	7.803474	7.808825	7.838357	7.781385	7.719781

DDX55	DDX55	9.734734	9.853782	9.148612	9.366738	9.053413	8.920632	8.580661	8.520301	8.68452	8.523367	8.515993	8.263981
DDX56	DDX56	9.756309	10.20956	9.687062	9.986821	9.697624	10.14945	9.503379	9.61116	9.461589	9.639346	9.743019	9.487995
DDX58	DDX58	7.170694	7.620684	7.385871	7.526639	7.335831	7.709057	7.443706	7.494916	7.390274	7.442904	7.291262	7.241163
DDX59	DDX59	7.730801	7.889415	7.804789	7.822962	7.712844	7.881947	7.620477	7.645693	7.720282	7.617132	7.601436	7.541978
DDX6	DDX6	7.872246	8.262692	7.49899	7.500772	7.17962	7.064524	6.967821	7.112396	7.115568	6.932354	6.928111	6.916005
DEADC1	DEADC1	7.163958	7.241206	7.068278	7.266692	7.135844	7.127508	6.984661	7.112663	7.117989	7.062506	6.811182	7.060482
DEAF1	DEAF1	7.841501	7.778859	7.268261	7.566303	7.490832	7.755898	7.608081	7.744502	7.62753	7.612166	7.554998	7.416873
1-Dec	1-Dec	6.797399	6.916298	6.744254	6.972574	7.000194	6.896607	6.91508	6.902407	6.826738	7.02858	6.672399	6.816344
DECR1	DECR1	10.21858	10.97414	10.58846	10.87104	11.11942	12.60205	12.55729	12.20348	12.49434	12.68258	11.59124	12.16471
DECR2	DECR2	8.272888	8.295278	8.181405	9.139481	9.241658	8.989068	8.620387	8.746454	8.481243	8.536236	8.249174	7.797786
DEDD	DEDD	8.347866	8.679939	8.218366	8.44342	8.438129	8.674971	8.45256	8.559361	8.402418	8.581612	8.40931	8.169327
DEDD2	DEDD2	10.17906	10.39917	9.12793	9.362362	9.203186	9.876645	9.45573	9.184215	9.552315	9.365135	9.09268	9.525666
DEF6	DEF6	7.182773	7.351895	7.031848	7.192517	7.169542	7.241321	7.138275	7.002158	7.034723	7.073236	6.913779	7.005896
DEFA1	DEFA1	6.816773	7.009897	6.81964	7.022306	6.940213	6.877605	6.855648	6.87204	6.886036	6.873618	6.703182	6.810954
DEFA3	DEFA3	6.893728	7.105141	6.856443	7.000637	6.93435	7.031136	6.847208	6.964417	6.793432	6.916289	6.700275	6.80069
DEFA4	DEFA4	6.848248	7.296122	6.858112	7.058462	7.047248	7.050578	7.027457	7.068746	6.965777	7.169378	6.9486	6.982495
DEFA5	DEFA5	6.890093	7.143209	7.019868	7.217406	6.992921	6.922196	6.864074	6.929173	6.862306	6.83316	6.851623	6.796297
DEFA6	DEFA6	6.74471	6.8904	6.784252	6.945242	6.881509	6.848102	6.857874	6.764358	6.698389	6.905837	6.678307	6.786981
DEFB1	DEFB1	6.923076	7.13867	6.944188	7.037403	6.957901	7.072924	6.822608	7.003544	6.951977	7.054939	6.717116	6.804201
DEFB103A	DEFB103A	6.948471	7.154723	6.893118	7.139759	7.017452	7.053783	7.004397	6.970946	6.997524	6.987871	6.901748	6.887831
DEFB104A	DEFB104A	6.888645	7.116246	6.86187	7.076447	6.895953	7.052693	6.867718	6.880844	6.910257	6.94586	6.725509	6.811437
DEFB104B	DEFB104B	6.810946	7.060327	6.808931	7.087236	6.970082	6.899221	6.940411	6.913351	6.822968	6.91486	6.848088	6.934244
DEFB105A	DEFB105A	6.908279	6.993737	6.972479	7.03454	6.928579	7.079719	6.92845	6.967858	6.831386	6.97849	6.713045	6.746963
DEFB106A	DEFB106A	6.788866	6.940392	6.662333	6.972158	6.813642	6.932072	6.76196	6.768666	6.822768	6.853642	6.851367	6.711846
DEFB106B	DEFB106B	6.915016	7.008052	6.857706	6.948143	6.923938	6.92439	6.949576	6.903787	6.944453	7.013611	6.782369	6.727197
DEFB107A	DEFB107A	6.948195	7.179954	6.915406	7.127791	7.023594	7.182472	7.054702	7.149133	6.910074	7.019416	6.912095	6.928604
DEFB108B	DEFB108B	6.879649	7.067091	6.834414	7.070932	6.943065	7.076395	6.85141	7.02801	6.90617	6.986704	6.798284	6.815813
DEFB109	DEFB109	6.793463	6.982233	6.831447	7.066747	6.959035	7.012994	6.899392	6.946969	6.969565	6.99467	6.968296	6.93851
DEFB110	DEFB110	6.992963	7.008433	6.874137	7.006057	6.914096	6.98284	6.894176	6.804154	6.86076	6.992314	6.822455	6.86498
DEFB111	DEFB111	6.868029	7.08124	6.863393	7.014987	6.919611	6.932597	6.917266	6.928848	6.895491	6.977238	6.725152	6.813629
DEFB112	DEFB112	6.875636	7.13011	6.84969	7.06021	6.888561	6.953103	6.874867	6.899605	7.018063	6.888833	6.754459	6.82627
DEFB114	DEFB114	6.882149	7.013882	6.791723	6.9719	6.888587	6.923222	6.804955	6.899294	6.821288	6.885685	6.758518	6.708172
DEFB118	DEFB118	7.085174	7.14541	6.868752	7.149383	7.102591	7.132449	7.042313	7.093999	6.991586	6.961406	6.882885	6.884196
DEFB119	DEFB119	7.443053	7.62756	7.21073	7.416311	7.328716	7.419964	7.222185	7.230984	7.327685	7.321881	7.156624	7.185001
DEFB121	DEFB121	6.84375	7.022066	6.786821	6.974343	6.816326	6.892311	6.78433	6.907529	6.784942	7.025819	6.668208	6.854565
DEFB122	DEFB122	6.912329	7.074481	6.740547	6.969679	6.995677	7.060832	7.006862	6.876056	6.87627	7.06022	6.750234	6.943783

DEFB123	DEFB123	6.978292	7.192437	6.957733	7.13812	6.988266	7.066115	6.988897	6.974023	6.88411	7.005412	6.84774	7.019931
DEFB124	DEFB124	6.935994	7.023782	6.966362	6.968123	6.925386	7.00702	6.825311	7.013855	6.875327	6.945472	6.796108	6.911327
DEFB125	DEFB125	7.097442	7.526676	7.015117	7.265144	7.163603	7.429704	7.177215	7.136709	7.147161	7.236747	7.031058	7.045618
DEFB126	DEFB126	6.841435	7.058002	6.630895	6.923376	6.799943	6.901582	6.742439	6.843907	6.76567	6.762586	6.849819	6.807248
DEFB127	DEFB127	6.836454	6.971943	6.801712	6.948423	6.913775	6.84165	6.821876	6.855321	6.779392	6.954657	6.688309	6.831333
DEFB128	DEFB128	6.980228	7.098801	6.812692	7.080668	6.975091	6.975713	6.93809	7.095593	6.979993	7.042109	6.904017	6.937014
DEFB129	DEFB129	6.99454	7.091491	7.046117	7.095841	7.138433	7.166694	7.003719	7.0892	7.021518	6.982892	6.737858	6.945504
DEFB131	DEFB131	7.336408	7.528733	7.234223	7.484536	7.297211	7.631642	7.661568	7.541652	7.532228	7.522827	7.291515	7.446471
DEFB134	DEFB134	6.768237	6.948917	6.689976	6.983302	6.838414	6.808023	6.7031	6.903425	6.741162	6.888391	6.788338	6.805757
DEFB136	DEFB136	6.74267	6.915171	6.83539	6.947133	6.906688	6.843438	6.815519	6.875079	6.806328	6.959209	6.64952	6.825917
DEFB137	DEFB137	6.865255	7.171743	6.729544	7.094942	6.997632	6.986259	6.85251	6.933609	6.867822	6.99701	6.907097	6.894554
DEFB32	DEFB32	6.891876	6.916321	6.774798	6.988184	6.867337	6.965428	6.854011	6.8827	6.800082	6.934343	6.779201	6.872315
DEFB4	DEFB4	6.991985	7.138781	6.863238	7.117313	6.985507	7.012053	6.942385	6.920666	6.91954	7.046742	6.874538	6.892186
DEGS1	DEGS1	11.0731	11.4415	10.16133	11.25728	11.3265	11.95368	11.84565	11.78763	11.8865	11.61196	11.59879	11.63019
DEGS2	DEGS2	6.87766	6.964042	6.732028	7.01294	6.920356	6.976981	6.868431	6.888467	6.883512	6.871442	6.761489	6.812663
DEK	DEK	12.14055	12.55836	11.9108	12.00567	11.5552	11.94966	11.58164	11.20599	11.60827	11.13848	10.55293	10.80177
DENND1A	DENND1A	7.833455	8.268917	7.66064	7.842409	8.028592	7.699558	7.325344	7.364637	7.359819	7.239501	7.338982	7.314661
DENND1B	DENND1B	6.831287	7.096233	6.702169	6.996014	7.000203	7.04139	6.954167	6.995877	6.885	6.988788	6.782542	6.890725
DENND1C	DENND1C	6.938785	7.183025	6.829338	7.002764	6.959929	6.981781	6.921366	7.040803	6.884908	6.941488	6.854264	6.880772
DENND2A	DENND2A	8.282096	8.805153	8.428745	9.379507	9.376645	8.78988	8.604997	8.223589	8.640908	7.878949	7.528658	7.744965
DENND2C	DENND2C	7.332718	7.598212	7.691407	7.623919	7.443942	7.65274	7.334567	7.268248	7.326512	7.326238	7.027086	7.144665
DENND2D	DENND2D	6.898493	7.054685	6.815502	6.937776	6.91174	6.869405	6.763583	6.88912	6.81839	6.97781	6.750223	6.748802
DENND3	DENND3	7.038655	7.197096	6.863883	7.199912	7.264869	7.160021	7.0615	7.168063	7.131748	7.107178	6.857477	7.06297
DENND4A	DENND4A	6.968514	7.342207	6.964801	7.252174	7.207303	7.282003	7.2426	7.212303	7.246638	7.388772	7.233535	7.32084
DENND4C	DENND4C	8.209902	8.532314	7.993563	10.04838	9.120842	9.348474	8.705013	8.450652	8.504521	8.350404	8.134388	8.578563
DENR	DENR	11.13923	11.70536	11.03361	11.0468	10.92428	10.99717	10.60131	10.42612	10.54623	10.18575	10.11958	9.826919
DEPDC1	DEPDC1	7.949214	8.226622	7.887403	8.034621	7.956353	7.909388	7.626647	7.675359	7.525409	7.644529	7.385597	7.029675
DEPDC1B	DEPDC1B	9.615357	9.92861	9.318163	9.144001	8.404165	7.608444	7.343881	7.293948	7.420138	7.273827	6.932588	6.879783
DEPDC2	DEPDC2	6.927734	7.226852	6.814132	7.024623	6.916571	6.985955	6.832986	6.922403	6.852315	6.893976	6.758936	6.857488
DEPDC4	DEPDC4	6.956005	7.152708	6.84302	7.15302	6.972393	7.078604	6.973902	6.999394	6.932941	7.070223	6.914446	6.876285
DEPDC5	DEPDC5	7.134351	7.35703	6.989719	7.201357	7.168959	7.248934	7.094235	7.146526	7.132364	7.167779	6.929757	7.040691
DEPDC6	DEPDC6	7.100962	7.371366	6.89179	7.262312	7.601562	7.009534	7.063975	7.015101	7.371689	7.287745	7.23718	7.100352
DEPDC7	DEPDC7	7.083201	7.270764	7.021894	7.107521	6.946021	7.037089	6.853353	6.896732	6.953319	7.024518	6.801252	6.861199
DERA	DERA	10.9339	11.44394	11.68268	11.7259	11.17493	10.89843	10.19365	10.35125	10.32584	10.61873	10.48531	10.08099
DERL1	DERL1	9.744954	10.06001	9.907565	10.36459	9.998271	10.45963	9.887851	10.1046	9.907242	9.990284	10.11988	10.17156
DERL2	DERL2	9.167553	9.962807	9.528223	9.669999	9.432038	9.525522	9.328809	9.248165	9.539148	9.401138	9.327821	9.522939

DERL3	DERL3	7.097644	7.109522	6.9576	7.15769	7.088976	7.152997	7.028328	7.177272	7.065826	7.123177	6.930508	6.961762
DERPC	DERPC	7.204648	7.333914	7.070452	7.286943	7.163918	7.176476	7.106899	7.146637	6.939973	7.152948	6.850097	7.076018
DES	DES	6.890837	7.101405	6.836469	7.190643	7.252529	9.266306	8.792789	9.321295	9.463183	9.979541	10.16745	9.990858
DET1	DET1	7.888694	8.186631	8.067751	8.347236	8.420102	8.649107	8.402641	8.710689	8.498179	8.536116	8.460956	8.289775
DEXI	DEXI	10.11087	10.11232	9.555238	10.30188	10.60052	10.86548	10.76117	10.66729	10.69391	10.98603	10.66683	11.30387
DFFA	DFFA	9.635913	9.636509	8.973714	9.133803	8.924634	9.428685	8.871762	8.743758	8.673707	8.618997	8.22759	8.54809
DFFB	DFFB	7.46622	7.606005	7.112637	7.510678	7.509342	7.523487	7.231629	7.319096	7.249101	7.182389	7.22698	7.192393
DFNA5	DFNA5	8.682114	9.291155	8.917033	9.73046	10.07943	9.905965	9.285653	9.415706	9.612616	9.454954	10.2262	10.21199
DFNB31	DFNB31	7.123294	7.239141	7.179713	7.268155	7.358371	7.250885	7.145494	7.193925	7.163538	7.131757	7.125129	7.083034
DFNB59	DFNB59	7.03549	7.252323	6.948601	7.21477	7.169403	7.371596	7.111321	7.145504	7.00248	7.087563	6.828864	6.994971
DGAT1	DGAT1	7.738515	7.755808	7.728066	8.160548	7.86438	7.636788	7.561348	7.652848	7.669024	7.638466	7.716596	7.849605
DGAT2	DGAT2	6.869916	7.192681	6.916927	7.100296	7.101999	7.212903	7.060943	6.953353	6.991194	7.013324	6.82496	6.970205
DGAT2L3	DGAT2L3	6.956887	6.994543	6.832688	7.113413	7.004564	6.911906	6.858067	6.884528	6.816281	6.94994	6.710075	6.75666
DGAT2L4	DGAT2L4	6.881248	7.076532	6.671193	6.959198	7.027174	6.903936	6.89963	6.97455	6.901928	6.852115	6.784223	6.818429
DGAT2L6	DGAT2L6	6.820876	7.103589	6.900583	6.967159	6.8662	6.800123	6.790509	6.958315	6.882554	6.916329	6.80521	6.769118
DGCR13	DGCR13	7.365422	7.701876	7.133628	7.466245	7.546325	7.421869	7.278643	7.389384	7.585137	7.393574	7.264866	7.362215
DGCR14	DGCR14	7.844172	8.090425	7.594296	7.871995	7.824289	7.903686	7.879023	7.863561	7.96842	7.934517	7.852158	7.69622
DGCR2	DGCR2	9.126008	9.30938	8.726489	9.146029	9.130864	8.918839	8.7097	8.769456	8.676592	8.660298	8.364458	8.233047
DGCR5	DGCR5	7.287887	7.504126	7.198752	7.364729	7.147295	7.097269	7.060885	7.078355	7.148224	6.959524	6.879703	6.855206
DGCR6	DGCR6	9.970135	10.51454	10.05626	10.42397	10.67495	11.16596	11.01463	10.76324	10.81787	11.04309	10.36955	10.63149
DGCR6L	DGCR6L	11.05732	11.5502	11.08919	11.39035	11.72894	12.2072	11.98979	11.86572	11.86348	12.07821	11.40044	11.75946
DGCR8	DGCR8	8.05331	8.53238	8.184512	8.368758	8.131595	7.999923	7.775914	8.051172	7.757378	7.782583	7.925823	7.441545
DGKA	DGKA	7.03393	7.236607	6.942935	7.17443	7.074119	7.213821	7.074657	7.164612	7.117387	7.233454	7.28202	7.042423
DGKB	DGKB	7.101	7.241006	6.936283	7.355631	7.045667	7.218806	7.33345	7.309993	7.422368	7.286648	7.120643	7.065133
DGKD	DGKD	6.988261	7.174083	6.888924	7.229136	7.100732	7.278954	7.095952	7.115964	7.230264	7.379036	7.332469	7.218336
DGKE	DGKE	6.944929	7.18489	6.882863	7.08517	6.979409	7.077425	6.986238	6.838814	6.929149	6.957273	6.778936	6.934057
DGKG	DGKG	6.792446	6.875349	6.764154	6.977261	6.913004	6.904363	6.770204	6.837735	6.927916	6.865202	6.636296	6.774614
DGKH	DGKH	6.88728	7.163728	6.895884	7.103841	7.069754	7.198559	7.087794	7.02392	6.980073	6.969767	6.941495	7.000031
DGKI	DGKI	6.980363	7.455397	7.712579	9.783815	7.803384	9.052942	8.705054	8.882047	8.311645	8.595344	8.022416	7.848145
DGKK	DGKK	6.977938	7.069331	6.773246	6.985268	6.84436	6.933809	6.851607	6.907486	6.90001	7.004049	6.735423	6.761881
DGKQ	DGKQ	8.437133	8.502512	8.778	8.785287	8.572785	8.242521	8.114223	8.217623	8.22767	8.186331	8.41159	7.849502
DGKZ	DGKZ	6.831456	7.0108	6.78484	6.984741	6.890354	6.876344	6.828646	6.941268	6.832846	6.907989	6.741398	6.779416
DGUOK	DGUOK	11.20873	11.58119	10.92538	11.20958	11.06019	10.94973	10.54029	10.43065	10.79419	10.52803	10.55001	10.16076
DHCR24	DHCR24	10.19055	10.12463	9.750052	9.252125	8.790276	8.213659	8.284005	8.426996	8.479643	8.334332	8.491548	7.935018
DHCR7	DHCR7	9.978154	9.715811	9.133753	9.491893	9.377093	8.803687	8.627569	9.065198	9.142234	8.946812	9.241756	8.594157
DHDDS	DHDDS	8.3504	8.730729	8.04191	8.546922	8.353842	8.760321	8.283796	8.454787	8.387031	8.37965	8.582585	8.197476

DHDH	DHDH	8.339954	8.603891	7.966931	8.829746	9.715697	9.573485	8.845699	8.423486	8.501635	8.115601	7.318555	7.582001
DHFR	DHFR	7.66347	8.304657	7.442518	7.650215	7.402816	7.951377	7.721136	7.702662	7.613776	7.659879	7.073678	7.241292
DHFRL1	DHFRL1	7.490819	7.784146	7.496894	7.652313	7.8495	7.806275	7.630253	7.63081	7.64643	7.571248	7.329824	7.490583
DHH	DHH	6.93723	7.151179	6.811884	6.948648	6.978013	6.916367	6.919759	6.948236	6.851625	6.910617	6.812692	6.899827
DHODH	DHODH	7.146513	7.383338	6.966255	7.152891	7.060582	7.139871	6.958427	7.151946	6.967029	7.002311	6.939576	6.963455
DHPS	DHPS	9.658852	9.692015	9.268297	9.553612	9.558436	9.546291	9.270245	9.452363	9.500184	9.630496	9.62694	9.271238
DHRS1	DHRS1	9.204237	9.389397	8.853507	9.653388	9.907836	10.36175	10.08419	9.74592	9.994847	9.605745	9.334331	9.198125
DHRS10	DHRS10	7.495384	7.711445	7.111707	7.775453	8.161952	8.304366	7.669092	7.405067	7.370655	7.124358	7.144507	7.263532
DHRS2	DHRS2	6.924666	7.077728	6.913585	6.998385	7.02054	7.135749	6.861826	7.011045	6.978142	7.07946	6.864088	6.915064
DHRS3	DHRS3	8.761255	9.313082	7.68224	8.488565	9.03507	8.91548	8.74148	9.011221	9.623977	8.725845	9.005262	8.971061
DHRS4	DHRS4	9.135957	9.449855	8.818042	9.277645	9.467844	10.44481	9.932488	10.09833	9.887899	9.94826	10.06168	9.862196
DHRS4L2	DHRS4L2	8.021628	8.48672	7.800263	8.185499	8.231022	9.427407	8.910462	9.043485	8.843893	8.925159	8.754657	8.877001
DHRS7	DHRS7	9.727301	10.02506	9.597692	9.823159	9.873832	10.37285	9.869928	9.940958	10.07767	9.987522	10.34079	10.13697
DHRS7B	DHRS7B	8.273181	8.817526	8.439451	8.743117	8.428641	9.082198	8.629674	8.718913	8.749553	8.973666	9.249886	9.593721
DHRS8	DHRS8	7.999712	8.206596	8.261964	8.542234	8.576996	8.509987	8.039117	8.074512	8.363244	8.041794	7.968077	7.994446
DHRS9	DHRS9	6.891553	7.015676	6.799719	8.170001	7.062657	7.400948	8.119387	8.538106	8.798671	8.5057	8.909503	9.146571
DHRSX	DHRSX	7.285168	7.849485	7.30814	7.460629	7.345914	7.567284	7.265201	7.405061	7.28998	7.458905	7.411335	7.22118
DHTKD1	DHTKD1	8.380579	8.652124	7.899214	8.033668	7.841111	7.911931	7.735007	7.667103	7.771708	7.768468	7.233693	7.722511
DHX15	DHX15	12.86164	13.13864	12.6968	12.75632	12.32599	12.57951	11.80771	11.89083	11.94491	11.70919	11.5697	11.56764
DHX16	DHX16	9.479156	9.856522	9.450018	9.620369	9.455509	9.926359	9.302755	9.569179	9.341091	9.57414	9.675466	9.574016
DHX29	DHX29	9.650612	9.970039	9.702072	9.857616	9.572614	10.01808	9.459062	9.651562	9.548528	9.529174	9.733925	9.646625
DHX30	DHX30	8.892905	9.158467	8.645995	8.935266	8.774656	9.174901	8.683235	8.926326	8.635063	8.830417	8.854335	8.857726
DHX32	DHX32	9.488713	10.14595	9.938774	10.51973	10.26557	10.89445	10.30596	10.36469	10.16184	10.1759	9.730457	10.19288
DHX33	DHX33	10.5046	10.5077	9.659915	9.307787	9.236578	9.093389	8.469907	8.511273	8.520214	8.402455	8.478989	8.352129
DHX34	DHX34	7.658227	7.960692	7.497516	7.571479	7.459039	7.536186	7.209377	7.244573	7.282154	7.213367	7.254134	7.230594
DHX35	DHX35	8.533619	8.898344	8.301395	8.41312	8.229619	8.407211	8.016086	8.050647	7.990715	7.996449	7.820386	7.903108
DHX36	DHX36	9.901628	10.07675	9.344907	9.669353	9.398871	9.749607	9.134027	9.151366	9.240325	9.193006	9.119801	9.418922
DHX37	DHX37	9.600416	9.918942	8.879088	8.783847	8.439137	8.515761	7.908793	7.837579	8.008681	8.166813	7.917261	8.482367
DHX38	DHX38	7.956655	8.123854	7.715056	8.18708	7.772792	7.803209	7.37236	7.584247	7.60486	7.587626	7.794898	7.966535
DHX40	DHX40	8.26102	8.69377	8.528101	8.996553	8.889867	8.879619	8.485649	8.652997	8.484545	8.518912	8.364941	8.486321
DHX57	DHX57	7.061392	7.263045	7.107183	7.291138	7.271881	7.316821	7.102935	7.190966	7.122705	7.175507	6.892275	6.984659
DHX8	DHX8	7.78913	8.105409	7.919536	7.992192	7.823127	7.657972	7.45418	7.499369	7.375838	7.494091	7.17935	7.498409
DHX9	DHX9	9.136246	9.620392	9.228796	9.431697	9.003882	9.29153	8.470042	8.688482	8.353475	8.537027	8.342694	8.310491
DIABLO	DIABLO	10.63731	11.00817	10.62309	10.91468	10.82401	11.22751	10.71499	10.78832	10.81456	10.80909	10.68618	10.40357
DIAPH1	DIAPH1	9.357798	9.638223	9.158534	9.113941	8.394017	8.649428	8.234188	8.461513	8.290569	8.490732	8.699764	8.334086
DIAPH2	DIAPH2	12.15578	10.94244	9.901017	9.373858	9.416085	8.740655	8.118312	8.048175	8.141533	7.99074	8.021275	7.952053

DIAPH3	DIAPH3	7.82735	8.241693	7.707414	8.078855	7.709397	8.010625	7.267021	7.391154	7.253744	7.354011	7.363731	7.117867
DICER1	DICER1	8.216227	8.558873	8.225738	8.705618	8.621793	8.404143	8.216998	8.244886	8.171958	7.919946	7.828184	8.180285
DIDO1	DIDO1	7.865649	7.968342	7.54706	7.730765	7.610791	7.58789	7.512773	7.486559	7.518323	7.469807	7.189803	7.144405
DIO1	DIO1	6.880459	6.956764	6.774056	6.969457	6.94316	6.80943	6.83841	6.864105	6.874274	6.935012	6.740787	6.798102
DIO2	DIO2	6.952718	7.164898	6.942752	8.152352	7.078635	7.057639	6.927843	7.049571	7.057802	7.160264	7.098087	7.15941
DIO3	DIO3	6.934709	7.066987	7.657006	7.659876	7.572356	7.249899	7.02765	7.001951	7.050234	7.037084	6.898942	6.837088
DIP	DIP	8.02907	7.956314	7.802301	8.412231	8.384022	8.870353	8.738649	8.82524	8.586679	8.643674	8.4713	8.810764
DIP13B	DIP13B	8.760563	8.545847	9.163941	9.702581	9.62783	8.896905	8.794671	8.902554	8.779069	8.463893	8.974603	8.765362
DIP2A	DIP2A	7.140958	7.352226	7.064941	7.34577	7.21888	7.349214	7.185722	7.211389	7.190794	7.185542	7.105771	7.091456
DIP2B	DIP2B	9.461829	9.646587	9.345858	10.16971	9.900218	10.27138	9.703354	9.728082	9.456047	9.619338	9.61618	9.455354
DIP2C	DIP2C	7.487484	7.608297	7.394534	8.112826	8.13116	8.318729	8.092658	8.218599	8.221025	8.265654	8.242893	8.544117
DIPA	DIPA	7.019418	7.217912	6.923777	7.23256	6.990589	7.098512	7.034971	7.158106	7.190453	7.16097	7.055365	7.186043
DIRAS1	DIRAS1	6.94201	7.098098	6.904833	7.035406	6.933086	7.070836	6.883191	7.034976	7.147311	7.005509	7.101564	6.824213
DIRAS2	DIRAS2	6.906556	7.124206	6.852452	7.20881	7.025347	7.05548	7.030502	6.978	7.058674	7.026245	6.829125	6.887117
DIRAS3	DIRAS3	6.936694	7.11169	6.9208	7.190431	7.161237	7.22851	7.276488	7.216311	7.240708	7.490327	7.410207	7.341853
DIRC1	DIRC1	6.915892	7.073472	6.787985	7.14186	6.98887	7.093423	6.954096	6.935459	6.825545	6.948452	6.80117	6.855038
DIRC2	DIRC2	9.316692	9.785053	9.606354	9.605518	9.488319	9.97721	9.459109	9.667872	9.513865	9.698986	9.728233	9.833505
DISC1	DISC1	6.90523	7.049532	6.899804	7.107072	7.063999	7.057872	6.937356	6.970731	6.977154	7.007719	6.826928	6.918061
DISC2	DISC2	6.859607	6.99359	6.797851	7.045056	7.052856	7.017185	7.105115	7.238735	7.105042	7.087658	6.863605	6.937592
DISP1	DISP1	8.329115	8.663329	9.150309	9.825546	9.623065	8.611647	8.448837	8.118118	8.745875	7.798475	7.558967	7.850885
DISP2	DISP2	7.105136	7.235723	6.96595	7.182572	7.060512	7.040467	7.016732	7.156806	7.316971	7.130356	6.901626	6.973555
DIXDC1	DIXDC1	7.434507	7.709831	7.222818	7.755069	7.932886	8.785694	8.251296	8.345094	7.99181	8.22133	7.940507	8.069357
DJ122O8.2	DJ122O8.2	9.26681	9.455692	9.100875	9.35888	9.762848	10.41332	9.880577	10.04289	10.01024	10.0764	10.11224	9.655883
DJ222E13.	DJ222E13.	7.252841	7.683565	7.270411	7.479891	7.270255	7.391492	7.055374	7.130465	7.101629	7.073483	6.900992	7.085465
DJ341D10.	DJ341D10.	7.479825	7.887279	7.554351	7.981268	7.868876	8.159277	7.979381	8.022487	8.071894	8.01073	8.263694	8.253416
DKC1	DKC1	12.29712	12.5759	11.9581	11.68227	11.12492	10.7698	10.02869	10.11045	10.19199	10.00742	10.18257	9.968024
DKFZP434	DKFZP434	7.70242	8.259544	7.606357	7.874283	8.103081	8.671665	8.443184	8.297	8.187908	7.990975	7.558151	7.537836
DKFZP434	DKFZP434	7.050618	7.41354	6.952668	7.636298	7.456907	7.618252	7.368428	7.460707	7.415322	7.411824	7.382026	7.647472
DKFZP434	DKFZP434	6.848782	7.079368	6.84896	7.032434	6.933368	7.084102	6.832469	6.93146	6.911614	6.934143	6.839286	6.826846
DKFZP434	DKFZP434	6.775859	6.965127	6.76678	6.923052	6.919315	6.872266	6.83899	6.85445	6.914737	6.891618	6.663291	6.817702
DKFZP434	DKFZP434	7.007617	7.021777	6.944608	7.058853	6.965424	6.984936	6.907304	7.032741	6.929588	6.937676	6.851637	6.991584
DKFZP434	DKFZP434	7.109337	7.103267	6.914492	7.044939	7.171864	7.159038	6.88285	7.020453	6.984495	7.077647	6.964117	6.913183
DKFZP434	DKFZP434	6.839408	7.026198	6.779191	7.026055	6.909216	7.089033	6.848604	7.009199	6.87003	6.879182	6.772656	6.934304
DKFZP434	DKFZP434	6.849281	6.988445	6.823967	7.013886	6.893903	6.970414	6.848418	6.931217	6.855021	6.920735	6.751703	6.827933
DKFZP434	DKFZP434	9.556631	9.758559	9.228145	9.36677	9.262277	9.553314	9.159974	8.936661	9.102047	9.179819	8.909772	9.24361
DKFZP434	DKFZP434	8.457235	9.051913	8.651491	9.229284	8.901821	9.072927	8.854141	8.221299	8.614161	8.087503	7.791501	8.317425

DKFZP434	DKFZP434	6.903012	7.194009	7.007971	7.209696	7.223006	7.063185	6.936048	7.0991	7.000404	6.918203	6.961011	6.87359
DKFZP434	DKFZP434	6.983467	7.250666	6.899741	7.09671	7.012626	7.110031	6.964533	7.06035	6.981786	7.094973	6.881011	6.935683
DKFZP434	DKFZP434	7.229115	7.493966	7.013307	7.185212	7.149284	7.211131	7.086684	7.136601	7.141978	7.161528	7.018946	7.007741
DKFZP434	DKFZP434	6.840074	6.98602	6.71898	6.992439	6.887382	6.9229	6.849233	6.801234	6.845694	6.926343	6.814031	6.821281
DKFZP434	DKFZP434	6.925899	6.910124	6.679609	6.952381	6.851079	6.961929	6.823437	6.8365	6.71974	6.826185	6.887641	6.715987
DKFZP434	DKFZP434	7.049631	7.223967	6.948886	7.141417	6.956127	7.140216	7.069466	7.121774	6.889466	7.015593	6.802675	7.047884
DKFZP434	DKFZP434	6.937952	7.122037	6.801687	7.082673	7.00149	7.05171	6.877764	7.007067	6.986902	6.986425	6.795416	6.984505
DKFZP451	DKFZP451	6.96322	7.115566	6.877408	7.176624	7.428595	9.014042	9.429919	9.461983	9.002857	9.506708	8.068468	8.576337
DKFZP451	DKFZP451	6.885583	7.118887	6.912277	7.146732	7.117777	7.481393	7.322492	7.320792	7.187974	7.154814	7.1122	7.09363
DKFZP547	DKFZP547	7.936467	8.296329	7.989451	8.319838	8.052793	8.073546	7.829134	7.768208	7.759192	7.903207	7.949279	7.805806
DKFZP547	DKFZP547	7.115052	7.461751	7.211094	7.568271	7.218116	7.134098	7.070137	7.07714	6.984767	7.074422	6.890384	6.9433
DKFZP547	DKFZP547	6.909247	7.056686	6.854462	7.106061	6.862525	6.880581	6.793973	6.899086	6.877609	6.968668	6.825102	6.861752
DKFZP564	DKFZP564	9.36723	9.524793	9.072488	9.47227	9.740097	10.7386	10.19419	10.1898	10.06442	10.2816	10.23586	10.22213
DKFZP564	DKFZP564	9.155317	9.31876	8.975009	8.460326	8.068108	7.738032	7.493921	7.66133	7.704784	7.599105	8.147695	7.893819
DKFZP564	DKFZP564	7.721398	7.677682	7.048387	7.211011	7.144492	7.223696	7.158261	7.293033	7.29443	7.289289	7.052991	7.09506
DKFZP564	DKFZP564	7.281134	7.456734	6.94514	7.300062	7.100986	7.307317	7.054954	7.067182	7.156548	7.225351	7.058006	7.111896
DKFZP564	DKFZP564	10.29043	10.85583	10.25042	10.6175	10.75565	10.42586	10.36094	9.993419	10.36174	9.994867	9.528957	9.99382
DKFZP564	DKFZP564	6.982568	7.028274	6.896877	6.981448	6.960364	7.070653	7.043391	7.00322	6.953404	6.974856	6.746665	6.872265
DKFZP564	DKFZP564	7.621131	7.866006	7.502261	7.853473	7.684224	7.909995	7.742421	7.887846	7.845782	7.739935	7.727931	7.687268
DKFZP564	DKFZP564	7.685051	8.681985	7.401357	8.918883	10.68052	10.64865	9.832088	10.19535	10.20506	10.25732	9.379698	9.802395
DKFZP566	DKFZP566	7.192099	7.303266	6.926062	7.34726	7.740805	9.360977	8.808632	8.695726	8.311958	8.104389	7.590963	7.583277
DKFZP586	DKFZP586	8.040112	7.835775	7.457625	7.989828	8.283825	7.853801	7.471582	7.542827	7.671381	7.378755	7.647213	7.578178
DKFZP586	DKFZP586	7.569129	8.12176	8.584654	10.28388	8.739043	7.339543	7.025898	7.2577	8.007409	7.196613	7.609345	7.699759
DKFZP586	DKFZP586	7.79103	8.383879	7.785129	8.352493	8.097086	7.867207	7.875556	7.733378	7.618644	7.737738	7.249828	7.630923
DKFZP586	DKFZP586	7.07305	7.139457	6.896854	7.196789	7.053531	7.060428	6.908045	7.007988	7.009286	7.08212	6.861892	6.910524
DKFZP666	DKFZP666	6.786526	7.002366	6.949831	7.166924	6.944438	7.02938	6.847447	6.962924	6.913615	6.912898	6.71475	6.932219
DKFZP667	DKFZP667	7.041328	7.17897	6.877807	7.109786	7.054365	7.25047	6.924931	7.102962	7.027884	7.190759	7.010515	6.892673
DKFZP667	DKFZP667	7.44785	7.794119	7.515768	7.681161	7.406322	7.653257	7.491013	7.513124	7.485222	7.551651	7.328193	7.436848
DKFZP686	DKFZP686	7.626547	8.678787	8.22062	8.769215	8.995452	8.683488	8.786	8.639463	8.592339	8.07066	8.292558	7.880084
DKFZP686	DKFZP686	7.050399	7.294229	6.964914	7.186678	7.11722	7.24543	7.093923	6.991524	7.030833	7.077748	6.997615	6.942186
DKFZP686	DKFZP686	6.83004	6.992996	6.782137	6.985898	7.075625	6.965244	6.861422	6.873681	6.897834	7.010199	6.861232	6.864762
DKFZP686	DKFZP686	7.325668	7.486583	7.205029	7.39965	7.256213	7.194162	6.986947	7.151494	7.142953	7.18399	6.995525	7.194913
DKFZP686	DKFZP686	6.997481	7.275467	6.904504	7.059298	7.023742	7.233497	7.12022	6.975992	6.99587	7.15275	6.881633	6.889818
DKFZP686	DKFZP686	7.465761	7.55969	7.186324	7.425792	7.32438	7.519383	7.222081	7.308942	7.262974	7.347308	7.065104	7.190528
DKFZP686	DKFZP686	7.837114	8.419442	7.666084	8.030323	8.06508	8.337905	8.099671	7.928017	7.878046	7.857477	7.586355	7.795269
DKFZP686	DKFZP686	6.933309	7.162048	6.94645	7.129087	6.979548	7.008489	6.908276	6.969579	6.924675	6.999424	6.758867	6.85826

DKFZP686	DKFZP686	7.527895	7.863567	7.275649	7.738779	7.475866	7.90212	7.779356	7.676553	7.692051	7.594475	7.149573	7.793054
DKFZP686	DKFZP686	7.028099	7.177503	7.04564	7.230015	7.153869	7.189284	7.098891	7.117684	7.137283	7.072118	7.012773	6.951971
DKFZP686	DKFZP686	7.769598	8.364953	8.174458	8.508573	8.123799	8.214137	7.845735	7.737749	7.842689	7.75921	7.452364	7.348404
DKFZP686	DKFZP686	6.984307	7.137464	6.801501	7.081959	6.902332	7.171291	6.850728	6.909296	6.912151	6.939954	6.893591	6.858745
DKFZP686	DKFZP686	7.424623	7.182513	7.107189	7.621993	7.808466	9.037791	8.434633	8.344439	8.245547	8.279159	7.957958	8.045246
DKFZP761	DKFZP761	7.011352	7.234387	6.972623	7.28006	7.290681	7.353936	7.40012	7.257519	7.395074	7.230166	6.843654	6.977911
DKFZP761	DKFZP761	7.07618	7.347259	6.94222	7.245107	7.087786	7.265389	7.034657	7.019422	7.077115	7.269987	6.829371	6.980742
DKFZP761	DKFZP761	6.8341	6.970432	6.706363	7.073266	6.889891	7.014889	6.943082	6.958034	6.895968	7.017904	6.843592	7.019908
DKFZP761	DKFZP761	7.754288	7.96331	7.496181	7.85807	8.181932	7.966667	7.82081	7.728448	7.601855	7.66256	7.520758	7.509143
DKFZP761	DKFZP761	6.88024	7.114896	6.855669	7.074143	6.965617	7.041887	6.976115	6.971317	6.975577	7.058556	6.822835	6.891168
DKFZP761	DKFZP761	8.9669	9.641645	9.558034	9.130348	8.736944	8.399637	7.800018	8.060595	8.342478	7.805437	8.216121	7.381006
DKFZP762	DKFZP762	9.805368	10.06619	9.722662	9.614949	8.754548	8.853813	8.329329	8.308599	8.352059	8.127762	7.910232	7.352276
DKFZP762	DKFZP762	7.845435	8.117221	7.976346	8.179511	7.941473	8.162089	8.282134	8.480762	8.308039	8.14267	7.590837	7.381153
DKFZP762	DKFZP762	9.332619	10.44052	9.846955	10.39699	10.39342	10.25715	10.44908	9.788029	10.2456	9.774427	8.903975	9.648176
DKFZP779	DKFZP779	7.102607	7.194789	7.284517	8.13374	7.853087	7.725454	7.330293	7.202344	7.244794	7.24255	7.017919	7.055129
DKFZP779	DKFZP779	6.870777	7.087897	6.756019	7.041655	6.966717	6.994925	6.905706	6.938007	6.902593	6.952489	6.81594	6.843687
DKFZP779	DKFZP779	8.034068	8.559708	7.774778	8.068948	8.029414	8.91302	8.615768	8.90896	8.741101	8.767443	8.798461	8.738247
DKFZP779	DKFZP779	6.969668	7.237856	6.884745	7.124094	6.998183	7.016623	6.900327	6.893993	6.969126	6.972211	6.886158	6.860742
DKFZP781	DKFZP781	7.017091	7.421116	7.381643	7.566616	7.338416	7.543994	7.116681	7.288759	7.201981	7.151849	7.068816	7.131799
DKFZP781	DKFZP781	6.938954	7.161161	6.852405	7.139022	6.974063	7.175005	6.913848	6.995601	6.811517	6.882717	6.838315	6.830993
DKK1	DKK1	6.920584	7.055762	10.15033	8.876324	8.482318	8.57342	8.086409	7.671032	7.842506	7.747743	9.26698	8.745953
DKK2	DKK2	6.876723	7.189387	6.868844	7.186114	7.13645	7.030175	6.929371	7.081202	7.363692	7.027037	7.148878	7.324157
DKK3	DKK3	9.061622	9.322546	9.652751	9.661926	10.6756	11.97517	11.99741	11.9928	12.15866	12.25744	11.95884	11.92406
DKK4	DKK4	6.779524	6.935784	7.581012	7.06373	6.818073	6.937271	6.751043	6.855705	6.754207	6.838046	6.682568	6.705916
DKKL1	DKKL1	7.19181	7.401304	7.219028	7.489081	7.600192	7.33417	7.334868	7.226324	7.15904	7.150852	6.93074	6.934499
DLAT	DLAT	9.534334	9.480633	9.130946	9.729745	9.632063	10.77488	10.17271	10.31614	10.00319	10.19673	10.18656	10.11887
DLC1	DLC1	6.94744	7.165236	7.08195	7.680741	7.487924	7.722053	8.101627	7.920191	7.878005	7.780435	7.433102	7.802984
DLD	DLD	9.454446	10.08974	9.596987	9.947864	10.01996	11.21006	10.84198	10.81884	10.93685	11.03054	10.69917	10.7173
DLEC1	DLEC1	6.887162	7.183137	6.91697	7.105311	7.015337	7.042221	6.935965	6.933829	6.981971	7.024753	6.852322	6.863124
DLEU1	DLEU1	8.729817	8.966825	8.155678	8.069932	8.19144	9.005478	8.479403	8.431843	8.585864	8.555866	8.332263	7.992438
DLEU2	DLEU2	7.52634	8.181986	7.956348	8.084099	8.059634	7.604689	7.24849	7.35551	7.304969	7.238536	6.945127	6.95933
DLEU2L	DLEU2L	6.842816	7.158319	6.892104	6.989004	6.928765	7.040949	6.882416	6.975873	6.860037	6.97331	6.816199	6.837471
DLEU7	DLEU7	6.878378	7.109158	6.812454	6.992225	6.952012	7.033371	6.821036	6.987787	6.968665	6.952731	6.828191	6.779458
DLG1	DLG1	6.98451	7.218183	7.054025	7.17603	7.021381	7.121448	7.013467	7.108182	7.114348	6.982416	6.845117	7.047902
DLG2	DLG2	6.959071	7.017604	7.002891	7.263531	7.226843	7.026999	6.865253	6.996745	6.933029	7.032394	6.797925	6.907601
DLG3	DLG3	7.31212	7.755547	7.243666	7.464079	7.205698	7.419375	7.204264	7.327346	7.218795	7.329105	7.091191	7.072125

DLG4	DLG4	7.823455	8.26857	7.747099	8.05322	8.397277	8.371975	8.092108	8.006017	8.334416	7.905372	8.262381	7.697314
DLG5	DLG5	7.42309	7.730794	7.563484	7.685427	7.519893	7.334066	7.283351	7.152152	7.165637	7.138492	6.959572	7.082094
DLG7	DLG7	10.95232	11.35757	10.95522	10.67941	9.760402	9.673172	9.185243	9.169419	8.989084	8.908174	8.035976	7.612844
DLGAP1	DLGAP1	6.951538	7.077485	6.866814	6.94442	6.981187	7.006016	6.8131	6.896866	6.883959	6.95784	6.829345	6.880968
DLGAP2	DLGAP2	7.510189	7.810093	7.480999	7.649175	7.441568	7.488955	7.451924	7.381637	7.531867	7.346052	7.240501	7.337626
DLGAP3	DLGAP3	6.850461	7.132501	6.771256	6.916623	6.913489	6.917165	6.670733	6.838433	6.813559	6.923539	6.688807	6.83833
DLGAP4	DLGAP4	7.297453	7.628116	7.321899	7.758359	7.569915	7.70144	7.441151	7.612917	7.42735	7.603242	7.887236	7.480579
DLK1	DLK1	7.204685	7.745229	8.478835	10.12382	11.77998	10.95872	11.65255	11.70139	11.94867	9.645377	10.02972	9.017869
DLL1	DLL1	8.428718	7.697603	9.558823	8.305018	7.370776	7.796632	7.093289	7.096253	7.690572	7.206606	6.800301	6.862701
DLL3	DLL3	8.198206	7.739826	10.40981	8.088939	7.504056	7.416257	7.201293	7.207644	7.510141	7.159898	7.097957	6.91955
DLL4	DLL4	6.786027	7.06817	6.757902	6.98288	6.896473	6.954525	6.9295	6.802673	6.919642	6.910673	6.753953	6.958
DLNB14	DLNB14	9.370382	10.16108	9.394511	9.646929	9.332256	9.388016	9.003576	9.066548	8.84954	8.882495	8.35938	8.414434
DLST	DLST	8.729015	9.651646	8.693725	9.002849	8.93172	10.21945	9.349691	9.363276	9.191442	9.43083	9.520175	9.72248
DLX1	DLX1	6.942528	7.163374	7.07741	7.204437	7.033318	7.144967	6.961617	6.993636	7.300951	7.035456	7.141426	7.155461
DLX2	DLX2	7.0587	7.24725	6.885245	7.148501	7.054178	7.180935	6.999285	7.028655	6.967467	7.049803	6.921373	6.911627
DLX3	DLX3	7.048376	7.32393	7.297993	7.401707	7.158223	7.081337	7.029234	7.122494	7.08925	7.091195	6.870862	6.974197
DLX4	DLX4	6.884078	7.025526	6.77985	6.993035	6.951925	6.981195	6.857622	6.951072	6.841113	6.933917	6.809148	6.8313
DLX5	DLX5	6.747701	7.563336	7.434021	7.916428	7.65972	6.952247	6.831355	6.900947	7.018722	6.805463	6.772237	6.785523
DLX6	DLX6	6.765731	6.967987	6.780227	6.964383	6.914466	6.9071	6.873712	6.981507	6.736682	6.903147	6.736198	6.81764
DMAP1	DMAP1	9.508321	10.00763	9.434418	9.618244	9.438628	9.348173	8.973599	8.994469	9.11035	9.092756	8.759923	9.142361
DMBT1	DMBT1	6.884045	7.038078	6.846298	7.069582	6.957018	7.040711	7.030435	7.02647	7.081055	7.122946	6.921478	7.115102
DMBX1	DMBX1	6.893387	7.134511	6.811541	6.903727	6.910061	6.987488	6.700882	6.959297	6.811379	6.937792	6.719859	6.864349
DMC1	DMC1	9.914683	11.0791	10.44721	10.90459	11.01251	10.85796	11.08631	10.35958	10.82758	10.52344	10.16923	10.55277
DMD	DMD	7.076752	7.363424	7.203557	7.418916	7.6489	7.682135	7.526825	7.577857	7.645597	7.537222	7.132236	7.295776
DMGDH	DMGDH	6.832363	6.958873	6.851599	6.984445	6.912973	7.00415	6.857146	6.878923	6.87861	6.903651	6.817526	6.78483
DMN	DMN	7.002611	7.238138	7.088597	7.525481	7.327831	8.577088	8.584345	8.974391	8.82894	9.348212	8.966973	9.166641
DMP1	DMP1	6.848297	6.950379	6.688886	6.910991	6.946152	6.925032	6.800669	6.894815	6.841585	6.879037	6.78134	6.802508
DMPK	DMPK	6.995044	7.205512	7.062213	7.384617	7.370464	7.691969	7.849042	8.046796	7.975688	8.266949	8.069402	7.993966
DMRT1	DMRT1	6.772987	7.087524	6.998524	6.927469	6.883012	6.759829	6.785609	6.859214	6.798955	6.832863	6.66976	6.762797
DMRT2	DMRT2	7.079154	7.167374	6.941453	7.197482	7.064737	6.98922	6.86971	7.005109	7.088923	6.967759	6.864186	6.8597
DMRT3	DMRT3	6.826688	7.033564	6.868576	7.023731	7.006497	6.968245	6.833291	6.988972	6.944073	6.977372	6.777311	6.997564
DMRTA1	DMRTA1	7.504405	7.890105	7.550942	7.352394	7.124568	7.342297	7.183036	7.077105	7.036628	6.9573	6.991459	6.881763
DMRTA2	DMRTA2	7.020061	7.196493	6.960616	7.093932	7.025096	7.062315	6.851556	7.009128	6.957804	7.146747	6.93035	6.828919
DMRTB1	DMRTB1	6.890403	7.218355	6.791501	7.073512	6.946384	6.985601	6.971792	6.96288	6.934531	7.041061	6.886395	6.931213
DMRTC2	DMRTC2	6.874286	6.830394	6.769014	7.028234	6.880563	6.865787	6.749184	6.929344	6.945467	6.845878	6.702265	6.791612
DMTF1	DMTF1	9.918831	10.55008	10.27614	10.39483	10.03004	9.986912	9.654234	9.475441	9.613374	9.294759	9.010819	8.994224

DMWD	DMWD	7.632286	7.788324	7.617142	8.222211	7.840125	8.085365	7.798066	8.301784	7.892346	8.068475	7.854767	7.575634
DMXL1	DMXL1	7.203011	8.103418	7.068636	7.398521	7.326872	7.330992	7.459387	7.253113	7.287627	7.17864	6.966289	7.354063
DMXL2	DMXL2	7.210619	7.426157	7.299228	7.909439	7.771833	7.954613	7.634165	8.041826	7.816101	7.673219	7.674906	7.553982
DNA2L	DNA2L	8.617617	8.873838	8.345691	8.256586	7.908481	8.079166	7.684495	7.680781	7.470545	7.462454	7.198301	7.216497
DNAH1	DNAH1	6.98596	7.028913	6.958696	7.333377	7.435228	7.443441	7.262547	7.2104	7.300488	7.15796	6.863999	7.01428
DNAH10	DNAH10	6.910006	7.033833	6.73948	6.940207	6.968159	6.96068	6.813085	6.929043	6.931963	6.921206	6.700414	6.770153
DNAH11	DNAH11	6.857988	6.970069	6.666693	6.939379	6.861191	6.956449	6.758545	6.80763	6.966985	6.810695	6.73017	6.765745
DNAH17	DNAH17	6.895844	7.185685	6.79639	7.01724	6.932175	6.893586	6.93582	6.881113	6.960906	6.977021	6.903565	6.754324
DNAH3	DNAH3	7.021384	7.139752	6.848164	6.971781	7.037847	7.00331	6.90008	7.004595	6.994099	6.876543	6.633176	6.895043
DNAH5	DNAH5	7.208654	7.597767	7.250091	7.489833	7.150715	7.361559	7.088759	7.154455	7.085901	7.083678	6.947662	7.083405
DNAH7	DNAH7	7.017287	7.082461	6.879334	7.003433	6.978625	7.14389	7.106929	7.023973	7.055122	6.889595	6.819247	6.828765
DNAH8	DNAH8	6.948452	7.182636	6.78689	7.23908	7.015674	7.095799	6.954632	7.185006	7.024073	6.906029	6.754462	6.913634
DNAH9	DNAH9	6.863294	7.141064	6.838406	7.031009	6.968371	7.06968	6.853925	6.976253	6.948831	6.986464	6.821923	6.871016
DNAHL1	DNAHL1	6.722048	7.05935	6.755478	7.039963	6.827788	6.993543	6.876394	7.001418	6.906191	6.897459	6.775875	6.666648
DNAI1	DNAI1	6.94191	7.145491	7.021475	6.981042	6.910789	7.153635	6.942749	6.98274	6.950265	6.926336	6.764168	6.800987
DNAI2	DNAI2	8.050836	8.443761	7.923155	7.982769	7.844919	8.211992	7.84819	7.76291	7.836036	7.773936	7.438619	7.83757
DNAJA1	DNAJA1	12.75844	13.21942	12.91516	13.24589	12.54688	13.09151	12.53775	12.71649	12.67488	12.61741	12.60519	12.53746
DNAJA2	DNAJA2	11.40466	11.55097	10.51367	10.87496	10.84325	12.07912	11.21828	11.416	11.34419	11.37207	11.41185	11.30847
DNAJA3	DNAJA3	11.44697	11.61442	10.48791	10.82055	10.89317	11.4301	11.18566	11.17548	11.29214	11.32919	11.0107	11.22206
DNAJA4	DNAJA4	6.720077	7.015123	6.716409	6.967754	7.023676	8.642908	8.438652	8.749611	8.287097	8.708635	8.629693	8.495232
DNAJA5	DNAJA5	7.463316	7.601765	7.278186	7.536061	7.413124	7.706811	7.497959	7.610251	7.574238	7.6013	7.48986	7.448822
DNAJB1	DNAJB1	9.303672	9.595396	8.954504	9.56548	9.47753	9.691805	9.200089	9.406185	9.452525	9.315346	9.988854	9.693216
DNAJB11	DNAJB11	11.98332	12.27923	12.47461	12.56425	12.21477	12.66357	12.26246	12.43366	12.40047	12.40841	12.59135	12.5532
DNAJB12	DNAJB12	7.460074	7.798024	7.352655	7.637569	7.599031	7.758241	7.559919	7.630305	7.601771	7.715645	7.459199	7.623404
DNAJB13	DNAJB13	6.851719	7.102154	6.86453	7.030794	6.917394	7.085519	6.982394	6.943393	6.89875	6.875571	6.877747	6.849548
DNAJB14	DNAJB14	7.996993	8.344778	8.047747	8.396811	8.312351	8.568696	8.104973	8.023449	8.199838	7.924557	7.786221	8.1241
DNAJB2	DNAJB2	8.582434	9.104822	8.465719	9.29095	9.940004	10.72373	10.51159	10.42992	10.28017	10.37753	10.0462	10.33874
DNAJB4	DNAJB4	7.223813	7.607287	7.190018	7.630042	7.575086	8.249571	8.296618	8.126158	8.411229	8.236383	8.29663	8.687333
DNAJB5	DNAJB5	7.651623	8.340267	7.302973	7.54612	7.503344	8.692622	8.336074	8.631792	8.255771	8.632403	8.050982	7.892737
DNAJB6	DNAJB6	11.77303	11.76947	10.63315	10.72675	10.61157	11.21695	10.58166	10.76215	10.59156	10.61024	10.72775	10.47924
DNAJB7	DNAJB7	6.835496	7.060841	6.82497	7.021091	6.985103	7.005198	6.823094	6.915734	6.890608	7.034425	6.831886	6.827749
DNAJB8	DNAJB8	7.189939	7.152952	7.052625	7.262301	7.042095	7.173975	7.068331	7.13174	7.037091	7.056906	6.943028	6.988495
DNAJB9	DNAJB9	8.9128	9.102559	9.150313	9.870055	10.1795	11.50874	10.92404	11.1106	10.9674	10.9195	10.5218	10.66354
DNAJC1	DNAJC1	7.037178	7.257224	7.372514	7.567141	7.309363	7.405824	7.302835	7.335384	7.414688	7.333418	7.295108	7.387588
DNAJC10	DNAJC10	9.580337	10.24128	10.10503	10.32274	10.01564	10.21343	9.657839	9.572137	9.527019	9.217737	9.207039	9.181159
DNAJC11	DNAJC11	7.607425	7.943953	7.479021	7.621394	7.575101	7.782643	7.530498	7.557367	7.558079	7.635675	7.542932	7.527571

DNAJC12	DNAJC12	7.328839	7.510199	6.882782	7.312087	7.536579	7.370806	7.311751	7.425675	7.847179	7.483624	7.432351	7.300611
DNAJC13	DNAJC13	8.08293	8.540478	7.999665	8.783417	8.57429	8.581068	8.425122	8.521763	8.250057	8.398881	8.353013	8.329215
DNAJC14	DNAJC14	8.558004	8.882228	8.459878	8.613624	8.607778	8.588033	8.381115	8.331458	8.295995	8.258455	8.218337	8.171798
DNAJC15	DNAJC15	8.873896	8.8894	9.387575	9.629345	8.86911	9.743466	9.265066	9.207239	9.164633	9.352368	8.710703	8.427751
DNAJC16	DNAJC16	7.095095	7.362859	7.082133	7.273706	7.073013	7.206834	7.068079	7.062915	7.11496	7.043483	6.926292	7.013216
DNAJC17	DNAJC17	8.848452	9.053633	8.519547	8.666732	8.418834	8.883379	8.388912	8.183545	8.302204	8.244594	7.742811	8.014363
DNAJC18	DNAJC18	8.172539	8.478613	7.883182	8.087423	8.264413	8.706766	8.208435	8.172441	8.149701	8.10651	7.972645	7.996302
DNAJC19	DNAJC19	8.591863	9.143424	8.299423	8.511484	8.794026	9.864342	9.266718	9.499816	9.205135	9.352232	9.132984	8.625179
DNAJC3	DNAJC3	7.049448	7.310902	7.203461	7.473445	7.188804	7.245868	7.004855	7.056049	7.130749	7.052069	7.29119	7.507951
DNAJC4	DNAJC4	7.078624	7.347614	6.892004	7.279617	7.47986	7.752797	7.667753	7.704168	7.675451	7.956256	7.439065	7.631819
DNAJC5	DNAJC5	7.834516	8.069111	7.631974	8.04908	7.950358	8.369396	8.018994	8.08698	8.033984	7.85098	7.936118	7.908224
DNAJC5B	DNAJC5B	6.750012	6.925762	6.759007	6.882728	6.78088	6.829351	6.830306	6.829734	6.721515	6.860131	6.594513	6.695488
DNAJC5G	DNAJC5G	7.052493	7.397385	6.932802	7.442287	7.378333	8.164102	7.818314	7.645531	7.362079	7.581807	6.951231	7.203074
DNAJC6	DNAJC6	6.844887	6.949951	6.753258	6.933085	6.907475	6.916687	6.791318	6.961957	6.907498	6.847571	6.722121	6.803986
DNAJC7	DNAJC7	9.863018	10.5962	9.954853	10.16212	9.836129	10.41414	9.942579	9.792041	9.611934	9.824655	9.651043	10.19786
DNAJC8	DNAJC8	13.28259	13.49682	13.27529	13.32333	12.9998	13.51964	12.91248	13.02008	13.09459	13.01594	12.76963	13.04358
DNAJC9	DNAJC9	11.45753	11.90043	11.66788	11.91547	11.62105	11.54217	10.8402	10.75807	10.75732	10.5968	10.34847	9.741513
DNAL1	DNAL1	7.478343	7.904094	7.631478	7.791367	7.701827	8.054847	7.870359	7.751308	8.057848	7.98707	7.806169	7.789857
DNAL4	DNAL4	8.909778	9.194366	9.396634	9.728184	9.878204	10.05103	9.652747	9.569727	9.519639	9.301091	9.298354	9.015619
DNALI1	DNALI1	9.064057	9.096038	9.211907	9.506114	9.549021	9.432038	9.199987	8.747167	8.956672	8.605132	7.90241	7.845594
DNAPTP6	DNAPTP6	10.36513	10.3661	9.800881	9.771039	10.018	10.14445	9.340422	9.850073	9.817267	9.814141	10.28696	9.626891
DNASE1	DNASE1	7.137158	7.483321	6.991648	7.416282	7.056457	7.128767	6.92311	7.011164	7.060945	6.888487	6.772336	6.87577
DNASE1L1	DNASE1L1	7.42682	7.578805	7.208855	7.621227	7.789899	8.01805	7.891444	8.052663	7.930628	8.107588	8.270394	7.78137
DNASE1L2	DNASE1L2	6.805799	7.126019	6.787119	7.113181	7.090962	7.163188	7.016717	7.107088	6.957979	7.087089	6.845201	6.970019
DNASE1L3	DNASE1L3	6.847524	6.972881	6.799405	6.992564	7.069691	7.022515	6.869744	6.905504	6.861305	6.97209	6.70383	6.812763
DNASE2	DNASE2	9.952849	10.02864	8.791551	9.329121	9.295421	9.404815	9.458763	9.420049	9.636759	9.445147	9.33991	9.604708
DNASE2B	DNASE2B	6.951514	7.170598	6.888495	7.076878	6.985425	7.040227	6.89662	6.97725	7.017496	6.96333	6.87183	6.874492
DNCL1	DNCL1	13.3905	14.017	13.57163	13.63923	13.50477	13.80673	13.68396	13.75069	13.76793	13.78188	13.84557	12.9726
DNCL2A	DNCL2A	8.725669	9.325493	9.025178	9.341321	9.347223	9.76693	9.768645	9.76662	9.804617	10.08136	10.11543	9.380405
DND1	DND1	6.941448	7.14616	6.823487	7.110097	6.977542	6.967371	6.918121	6.955685	6.806953	7.020667	6.703074	6.877572
DNER	DNER	7.707031	7.575185	7.031541	6.993072	6.95312	6.9471	6.978219	6.979795	8.129454	6.894491	6.764979	6.866496
DNHD1	DNHD1	7.289493	7.416612	7.082827	7.288829	7.31695	7.503706	7.190512	7.209301	7.14622	7.376758	7.171786	7.203725
DNHD2	DNHD2	6.791168	7.006833	6.783487	6.98758	6.841706	7.236938	6.895223	6.886184	6.863466	6.825294	6.740223	6.795442
DNHD3	DNHD3	6.832595	7.161848	9.175759	11.52952	10.37573	7.17532	6.984564	7.046912	6.864989	6.823884	6.740055	6.81824
DNM1	DNM1	7.4489	7.603899	7.078717	7.280858	7.230739	7.279183	7.157473	7.334498	7.185305	6.996332	7.142397	6.941959
DNM1L	DNM1L	9.177388	9.293397	8.831119	9.441578	9.423511	10.07906	9.565768	9.755379	9.454729	9.64977	9.604565	9.513182

DNM2	DNM2	7.849845	8.201401	7.657718	8.080329	7.92767	8.245662	7.942202	8.182051	8.054493	8.194837	8.199155	8.111245
DNM3	DNM3	7.185116	7.210016	6.848154	7.051651	7.188683	6.934019	6.84601	6.76619	7.331646	6.925704	7.030444	6.8663
DNMBP	DNMBP	6.902446	7.166766	6.956887	7.10046	7.034155	6.912988	6.955453	6.936872	6.872436	7.044367	6.847694	6.971557
DNMT1	DNMT1	12.99788	13.18009	12.29055	12.58939	12.05929	12.18006	11.89957	11.7733	11.66207	11.64251	11.05504	10.87609
DNMT2	DNMT2	7.622316	7.797625	7.276612	7.511939	7.296938	7.190353	7.083853	7.18601	7.21105	7.20697	7.047989	7.139967
DNMT3A	DNMT3A	7.119032	7.586369	6.976886	7.142954	7.004357	7.026614	6.873994	6.954018	6.990938	6.969148	6.811667	6.859453
DNMT3B	DNMT3B	11.98514	12.64179	10.36841	8.948441	7.938586	7.535345	7.286977	7.280701	7.263118	7.164313	6.895	6.921076
DNMT3L	DNMT3L	6.76203	7.096476	6.872202	6.980427	6.9507	6.885575	6.793344	6.987812	6.880398	6.864074	6.776649	6.838701
DNPEP	DNPEP	7.728966	7.878171	7.378593	7.611939	7.45753	7.823755	7.619317	7.682534	7.622464	7.712129	7.609992	7.8827
DNTT	DNTT	6.938932	7.040397	6.749767	7.046432	6.944567	6.904647	6.883449	6.998987	6.922893	6.934948	6.762307	6.799828
DNTTIP1	DNTTIP1	9.3533	9.829256	9.178518	9.422449	9.429894	9.806123	9.369979	9.318391	9.313241	9.523855	9.448222	9.541721
DNTTIP2	DNTTIP2	7.074907	7.503115	7.21512	7.294208	7.148623	7.176098	7.123739	6.981642	7.106916	7.179953	6.983807	7.041551
DOC1	DOC1	6.960107	7.332327	7.165378	7.871592	8.679783	7.837835	7.750719	8.391908	8.151602	8.363702	8.783002	8.40271
DOC2A	DOC2A	7.261343	7.193172	6.919893	7.114539	7.002648	7.244949	6.983828	7.078544	7.047815	7.094753	6.829269	6.905952
DOC2B	DOC2B	6.826506	7.081078	6.881861	6.942442	6.990161	6.840537	6.914682	6.96044	6.861578	6.882536	6.653268	6.826225
DOCK1	DOCK1	8.740437	8.754524	8.824146	9.287667	9.198686	8.536807	8.154719	8.291236	8.220956	8.084261	8.368453	8.151154
DOCK10	DOCK10	7.172437	7.455435	7.049188	7.254412	7.055394	7.065379	7.13029	7.032107	7.217114	7.321851	7.806889	7.644119
DOCK11	DOCK11	8.831867	9.619143	9.422281	9.429939	8.918001	8.670982	8.847235	8.77726	8.805378	8.245584	8.328146	7.987401
DOCK2	DOCK2	8.006426	8.056362	7.580874	7.554631	7.124639	7.30398	7.376518	7.215459	7.068296	7.241789	6.91623	7.153846
DOCK3	DOCK3	7.414768	7.448578	6.871994	7.234641	6.845475	6.889118	6.784843	6.971798	6.997795	6.910433	6.953447	6.923594
DOCK4	DOCK4	6.854091	7.000427	6.831644	6.931258	6.865556	6.927807	6.821095	6.878998	6.788645	6.816692	6.836204	6.819327
DOCK5	DOCK5	7.094365	7.622509	7.025976	7.04306	6.991182	6.934071	7.003471	7.052501	6.994553	7.051605	7.064338	6.991024
DOCK6	DOCK6	8.083936	8.348268	7.899087	8.070107	7.872094	7.195671	7.152082	7.401706	7.352134	7.469727	7.507248	7.320758
DOCK7	DOCK7	8.387572	8.697791	8.87645	9.380829	9.248075	8.993186	8.665552	8.644357	8.699221	8.419696	8.685079	8.540462
DOCK8	DOCK8	6.958351	7.198701	7.148833	7.15066	6.966041	7.01764	7.001557	7.041717	6.875336	7.030394	6.798474	6.916148
DOCK9	DOCK9	7.312025	7.316479	7.085621	7.855594	8.160957	8.451216	7.843983	7.709121	7.468095	7.590333	7.257894	7.387925
DOK1	DOK1	6.900181	7.103411	6.875764	7.037572	7.028468	7.130575	6.929587	6.997275	6.972175	7.158531	6.869934	6.881793
DOK2	DOK2	6.879629	7.105832	6.834432	6.972603	6.927261	7.069324	6.88212	6.948328	6.854516	6.967943	6.847229	6.847629
DOK3	DOK3	6.842054	7.022493	6.730355	6.923596	6.853251	7.008389	6.803995	6.881901	6.77047	6.801154	6.706933	6.783741
DOK4	DOK4	7.501232	7.747065	8.226518	10.97763	11.26791	12.20547	11.37068	11.10257	10.38751	10.39867	9.838305	9.384021
DOK5	DOK5	7.106028	7.507792	7.092777	7.436984	7.28874	7.337375	7.000832	7.16418	7.382812	7.238857	7.293435	6.991178
DOK6	DOK6	6.928463	7.12497	7.038247	7.590779	7.410471	8.269611	7.813698	8.080336	7.803606	7.965036	7.509033	7.356507
DOLPP1	DOLPP1	9.210541	9.417731	8.920598	8.86965	8.68752	8.553002	8.229443	8.377244	8.416626	8.298289	8.332298	8.111279
DOM3Z	DOM3Z	7.871145	8.290539	7.814925	8.528974	8.529549	9.20206	8.527187	8.787428	8.52578	8.627618	8.497933	7.930672
DONSON	DONSON	8.947646	9.232755	8.811494	8.94342	8.409763	9.08646	8.680941	8.907438	8.74023	8.567283	8.602876	8.057904
DOPEY1	DOPEY1	7.624281	8.264509	7.720553	8.159167	8.110577	8.693451	8.298272	8.37914	8.244232	8.301156	7.841687	8.078348

DOPEY2	DOPEY2	8.085129	8.651042	8.000114	8.612985	8.422552	8.451932	8.2624	7.850053	8.203482	7.862846	7.889408	8.45832
DOT1L	DOT1L	7.138677	7.226484	6.865456	7.179655	7.1387	7.241245	7.005933	7.175213	7.068331	7.159157	6.912711	7.116534
DP58	DP58	7.229833	7.441945	6.852064	7.043989	6.828175	6.858635	6.677934	6.835587	6.789047	6.932205	6.810709	6.756857
DPAGT1	DPAGT1	9.815935	9.938617	9.150282	9.302652	9.105206	9.23602	9.004815	9.214731	9.022487	8.986343	9.055005	8.935956
DPCR1	DPCR1	6.939898	7.02436	6.782056	7.101299	6.992841	7.010287	6.98949	6.966348	6.829934	7.001803	6.833223	6.93592
DPEP1	DPEP1	6.868224	7.077107	6.792231	7.196579	7.33481	7.059029	6.819271	6.916723	6.769818	6.933737	6.83777	6.837215
DPEP2	DPEP2	6.909852	6.918974	6.803566	6.931162	6.900147	6.831158	6.768413	6.926204	6.767971	6.878636	6.668093	6.707994
DPEP3	DPEP3	7.038894	7.253532	6.799851	6.964454	6.943141	7.031488	7.009026	7.052738	6.948634	6.895816	6.793088	6.916118
DPF1	DPF1	7.213179	7.633167	7.052758	7.28708	7.11754	7.361053	6.996036	7.116364	7.128676	7.124084	7.035055	7.037504
DPF2	DPF2	10.35957	10.62973	9.79141	10.2244	10.20081	10.607	10.04624	10.32516	10.21053	10.30505	10.14469	10.1466
DPF3	DPF3	6.971836	7.040256	6.703932	7.446001	7.807811	8.686322	8.235875	8.093086	7.852936	8.132036	7.489244	7.336223
DPH1	DPH1	7.144905	7.353024	7.052289	7.377656	7.252044	7.495574	7.217219	7.417202	7.234088	7.231673	7.107135	7.361134
DPH2	DPH2	9.447556	9.664894	8.877524	8.599357	8.384345	8.833508	8.40172	8.310543	8.239393	8.4044	8.246309	8.228617
DPH3	DPH3	8.896849	9.670742	9.162194	8.869517	8.699155	9.06222	8.655963	8.738096	8.723936	8.728219	9.216545	8.778388
DPH5	DPH5	10.15285	10.28701	9.265516	9.425695	9.736769	10.34452	9.907093	9.992904	9.946862	9.870851	9.77324	9.48809
DPM1	DPM1	11.00326	11.46965	11.06381	10.78995	10.86695	11.50504	10.78778	10.93203	10.99875	10.92082	11.10704	10.27738
DPM2	DPM2	7.9888	8.185701	7.706656	7.899406	7.785454	7.880556	7.595773	7.812291	7.738124	7.762909	7.78197	7.561071
DPM3	DPM3	8.624863	9.160503	8.807062	8.77816	9.46128	9.974852	9.845534	9.695782	9.683405	10.16211	10.34091	9.837164
DPP10	DPP10	6.911262	7.114765	6.791965	7.046737	7.058862	6.967437	6.895229	6.974873	6.818865	6.912715	6.789703	6.886287
DPP3	DPP3	8.635073	8.873229	8.117645	8.252829	7.835063	7.93479	7.744836	7.872339	7.691634	7.747539	8.054297	7.606701
DPP4	DPP4	7.15887	7.310326	6.832742	7.221504	7.349686	7.108463	6.826715	6.959075	6.956619	6.958661	6.787086	6.881448
DPP6	DPP6	6.968797	7.078829	6.905695	7.020031	6.90658	6.946199	6.902866	6.896062	6.942354	6.967272	6.745577	6.891403
DPP7	DPP7	7.482037	7.764445	7.183928	7.845258	7.935084	8.133824	8.165588	8.004461	7.904851	7.939066	7.91043	8.192584
DPP8	DPP8	7.609223	7.822313	7.696797	7.91522	7.85578	8.474861	7.924642	8.072616	7.901683	8.041934	7.96051	8.059063
DPP9	DPP9	8.366418	8.641739	8.144622	8.557754	8.340947	8.657672	8.336036	8.489515	8.462872	8.52735	8.996086	8.620818
DPPA2	DPPA2	7.78942	7.546659	7.007389	7.296033	7.030944	7.16095	6.917031	7.007345	6.917821	7.01329	6.835907	6.846487
DPPA3	DPPA3	6.954603	7.438755	6.888858	7.075417	6.992881	7.082811	6.923379	7.033518	6.91005	7.054587	6.915548	6.890281
DPPA4	DPPA4	13.37642	13.58366	11.69229	10.55585	9.357044	7.414806	7.077722	7.025811	7.104937	7.014406	6.746549	6.996089
DPPA5	DPPA5	7.57355	7.411755	6.903971	6.904366	6.881198	7.047189	6.852788	6.914611	6.911612	6.945408	6.833844	6.725275
DPRX	DPRX	6.832828	7.116078	6.798359	7.058387	6.877428	6.928832	6.819837	6.879382	6.847483	6.909435	6.710725	6.798414
DPRXP4	DPRXP4	6.993568	7.143109	6.885085	7.064645	6.96701	7.045809	6.863101	6.885292	6.927947	6.93199	6.782821	6.800068
DPT	DPT	6.826995	7.136994	6.841802	7.059508	7.038355	7.058734	6.988252	7.020452	6.972798	6.936867	6.810848	6.898004
DPY19L1	DPY19L1	9.243206	9.083928	9.91854	10.69271	10.12081	10.36531	10.21923	10.182	9.913664	9.690115	10.09584	10.21858
DPY19L2	DPY19L2	7.189881	7.737279	7.552459	7.922867	7.646567	8.238901	7.861948	8.119477	7.954892	8.088821	7.703678	7.981716
DPY19L3	DPY19L3	7.586854	7.901775	7.784309	8.013894	7.708469	7.448376	7.215258	7.282714	7.509883	7.321273	7.185006	7.222252
DPY19L4	DPY19L4	8.058613	8.694465	8.558684	9.206974	9.302321	9.94622	9.759721	9.728481	9.568692	9.532415	8.804515	9.11227

DPYD	DPYD	6.792698	6.917227	6.821429	6.968602	7.063998	7.07897	7.017977	7.024215	7.11799	7.042138	7.140996	7.602583
DPYS	DPYS	7.024223	7.195707	6.780804	6.975192	6.915709	6.9068	6.905499	6.927101	6.806028	6.913343	6.765898	6.770822
DPYSL2	DPYSL2	13.04037	12.84518	11.9405	12.29021	11.9635	11.17273	11.02981	11.09794	11.63273	10.60341	11.33595	10.81503
DPYSL3	DPYSL3	13.64361	13.55819	11.31933	12.52225	12.93042	14.67984	14.1336	14.01489	13.77999	13.47305	13.68124	13.04352
DPYSL4	DPYSL4	10.00168	10.48444	9.827962	10.65653	10.77894	11.3683	11.00267	10.81588	11.0285	10.69597	10.10163	10.46484
DPYSL5	DPYSL5	7.20414	7.237629	6.899428	7.107745	7.122037	7.121079	7.044225	7.051235	7.036707	7.044386	6.82034	6.979782
DQX1	DQX1	7.009106	7.169751	6.93323	7.156149	6.960504	7.077005	6.906133	6.991862	6.852592	7.019608	6.822458	6.853072
DR1	DR1	8.94778	9.318194	8.621775	9.155232	8.778019	9.419573	8.818179	9.023089	9.046848	8.894469	8.862688	9.11518
DRAP1	DRAP1	10.49851	11.02386	10.08808	10.47664	10.62468	11.45414	10.73338	10.73392	10.73913	10.98074	11.4233	10.73291
DRB1	DRB1	8.89772	9.558561	9.082942	9.123298	9.071975	9.730658	9.093231	8.846298	9.138137	8.911974	8.519117	8.57231
DRD1	DRD1	6.878685	7.142797	6.723993	7.035282	6.976038	7.344009	7.321893	7.475648	7.330081	7.294686	6.947189	6.942521
DRD1IP	DRD1IP	7.565604	7.720195	7.251697	7.369787	7.161883	7.310242	7.473345	7.445282	7.639742	7.800226	7.465586	7.374507
DRD2	DRD2	6.893499	7.071645	6.887896	7.182823	7.082149	7.084754	6.913423	6.966437	6.969905	6.965638	6.815039	6.872791
DRD3	DRD3	6.926314	7.087594	6.780256	7.075032	6.883065	7.007787	6.892071	6.962329	6.88114	6.966181	6.763331	6.852535
DRD4	DRD4	8.821721	9.248357	7.699452	7.510191	7.620216	7.575356	7.137025	7.298441	7.103095	7.267429	7.027226	6.983589
DRD5	DRD5	6.897236	7.039757	6.790596	6.955072	6.890216	6.878031	6.952234	6.823294	6.873397	6.885626	6.797782	6.868619
DREV1	DREV1	8.591109	8.252684	8.154955	8.648549	8.774214	8.964202	8.629796	8.51899	8.666468	8.599744	8.071597	8.130895
DRG1	DRG1	10.89346	11.39078	11.01736	11.07517	10.80725	11.74469	10.94916	11.16417	11.04184	10.975	10.81607	10.58966
DRG2	DRG2	8.295794	8.431007	8.029049	8.321998	8.168922	8.336361	8.199019	8.347075	8.159471	8.444063	8.361248	8.101522
DRP2	DRP2	6.799425	6.950192	6.683321	6.876529	6.864853	6.887842	6.874948	7.025713	6.8139	6.848862	6.700625	6.834597
DSC1	DSC1	6.9135	7.153321	6.793561	6.991745	6.939901	6.945494	6.905674	6.941473	6.934154	6.998027	6.683646	6.924253
DSC2	DSC2	8.866	9.754816	9.956359	11.10147	10.77127	9.717965	8.635028	8.503723	8.700695	8.086458	7.55545	8.086605
DSC3	DSC3	7.016908	7.25462	6.978252	8.747771	9.766368	8.48957	7.473874	7.662383	7.603323	7.31396	7.342913	6.989966
DSCAM	DSCAM	7.066586	7.308428	7.019197	7.281489	7.159828	7.356377	7.093711	7.2008	7.094345	7.176971	7.018327	7.073564
DSCAML1	DSCAML1	6.863541	6.929124	6.824013	7.055327	6.903887	7.004727	6.801913	7.016112	6.7783	6.861224	6.710038	6.804594
DSCR1	DSCR1	7.249113	7.765012	7.31235	7.989634	8.25803	9.817782	9.456983	10.25902	10.23162	10.69153	11.07709	10.39141
DSCR10	DSCR10	7.035061	7.353453	7.080217	7.338535	7.398442	7.604152	7.484165	7.479347	7.539902	7.440164	7.261795	7.35019
DSCR1L1	DSCR1L1	8.089849	8.158137	8.635398	8.463203	9.021531	10.07965	10.08637	10.43785	10.18531	10.71552	9.770452	10.00083
DSCR1L2	DSCR1L2	7.497929	7.829142	7.495421	7.392618	7.126141	7.049187	7.037962	6.994567	6.987641	6.918411	6.874472	6.924471
DSCR2	DSCR2	10.59099	10.85271	10.36354	10.30196	10.28555	10.47605	9.880785	9.752336	9.908922	9.773891	9.943175	9.363669
DSCR3	DSCR3	9.551651	9.33406	8.879254	9.009821	9.044104	9.286824	8.73959	9.058654	8.862847	8.957879	9.322595	9.084966
DSCR4	DSCR4	6.955483	7.169173	6.868643	7.076404	6.911954	7.022617	7.063634	7.027044	6.88927	7.014911	6.783881	6.906015
DSCR5	DSCR5	8.305959	8.533328	8.499787	8.301145	8.770971	9.945961	9.548081	9.591822	9.719701	9.692619	9.605363	9.196494
DSCR6	DSCR6	8.301456	8.18253	8.779974	9.075779	7.81492	7.129576	6.91841	6.995574	7.116493	7.14901	6.885017	6.792831
DSCR8	DSCR8	6.897215	7.090712	6.884926	7.040171	6.891691	7.030273	6.950987	6.97143	6.905546	6.941009	6.770143	6.917587
DSCR9	DSCR9	6.872159	6.925727	6.740473	7.01633	6.868404	6.815997	6.845606	6.903252	6.791221	6.823526	6.753605	6.779524

DSEL	DSEL	7.568723	7.422285	7.634653	7.400231	7.482333	7.33116	7.188345	7.069639	7.3212	7.115962	7.158952	7.33041
DSG1	DSG1	6.934116	7.066041	6.824591	6.961554	6.875051	7.05148	7.023856	6.964305	6.847153	7.041555	6.841637	6.97566
DSG2	DSG2	9.118686	9.068232	8.631709	9.52967	9.656196	8.53047	7.876487	8.204809	7.771618	7.845559	7.997905	7.775577
DSG3	DSG3	6.939864	6.991956	6.837465	7.02649	7.126024	6.9289	7.045712	6.941666	6.970504	6.956719	6.787709	6.779601
DSG4	DSG4	7.066782	7.425488	7.1707	7.506313	7.458967	7.313278	7.25448	7.357732	7.249159	7.212134	7.035284	7.110292
DSP	DSP	7.847095	8.448924	8.782943	9.799534	9.531207	9.557443	8.957916	9.185694	8.833938	9.140538	9.298487	8.966718
DSPG3	DSPG3	6.940367	7.024048	6.787445	7.019535	6.933543	6.977189	6.838668	6.972786	6.884705	6.992039	6.7342	7.050945
DSPP	DSPP	6.886245	6.969999	6.794181	7.06366	6.949196	6.907259	6.987282	6.94231	6.820091	6.871252	6.837111	6.840232
DST	DST	6.997728	7.278847	7.021226	7.201923	7.056113	7.228996	7.151513	7.141365	7.1009	7.07745	6.877734	7.193758
DSTN	DSTN	10.83227	11.47872	10.75084	11.4458	11.42752	12.54177	12.34338	12.27451	12.40739	12.35044	12.41061	11.87989
DSU	DSU	7.487398	7.537735	7.196186	7.214173	7.210478	7.128699	6.973451	7.017891	7.009653	6.932517	6.797054	6.943212
DTL	DTL	8.574213	8.927716	8.634673	8.677483	7.940436	8.005022	7.897763	7.652202	7.758332	7.672226	7.299138	7.164302
DTNA	DTNA	8.858638	10.91165	9.084023	8.255829	8.977871	11.48753	11.51923	12.00545	12.01457	12.21725	11.79443	11.75124
DTNB	DTNB	7.327773	7.564493	7.094567	7.356883	7.345769	7.180968	7.014483	7.092204	7.153079	7.122462	6.920124	6.974436
DTNBP1	DTNBP1	7.207724	7.387502	7.1615	7.416219	7.415801	7.783615	7.524511	7.511378	7.508673	7.531383	7.432843	7.401685
DTWD1	DTWD1	8.306498	8.629542	8.234484	8.239183	8.048214	8.174616	7.777947	7.948578	7.9826	8.024754	8.142898	7.735087
DTWD2	DTWD2	9.036071	10.03161	9.63882	10.05431	10.06165	9.683973	9.984816	9.207758	9.687924	9.296821	8.71318	9.529018
DTX1	DTX1	7.06046	7.150275	7.00039	7.005402	6.958885	7.075445	6.770369	6.878689	6.927689	7.059507	6.822074	6.786932
DTX2	DTX2	9.37692	9.320038	8.064699	8.311807	8.117134	8.225623	8.001818	7.862853	7.932789	7.854519	7.540955	7.887452
DTX3	DTX3	8.112454	8.272275	7.456803	8.001373	7.877036	8.090052	7.863203	8.114631	8.071472	8.022299	7.983979	7.694297
DTX3L	DTX3L	6.946355	7.205152	6.887778	6.947759	7.054739	6.942539	6.976862	7.099494	7.103912	7.196781	7.013254	7.133513
DTX4	DTX4	6.984187	7.094589	6.925889	7.082522	7.06864	6.961216	6.879897	6.937369	6.893424	6.954348	6.822396	6.788144
DTYMK	DTYMK	9.845557	10.24334	9.627953	9.530484	9.416141	9.795124	9.098866	9.119718	9.150034	8.975486	9.026691	8.368674
DUB3	DUB3	6.941758	7.133779	6.835669	7.039791	6.969243	7.039698	6.901962	6.997261	6.936941	7.02857	6.810944	6.824835
DUB4	DUB4	6.838208	6.994319	6.652327	6.959848	6.869865	6.899431	6.786277	6.869919	6.887714	6.891954	6.726574	6.785933
DULLARD	DULLARD	8.027526	8.250097	7.947952	8.299752	8.133642	8.294759	7.926309	8.226051	8.063955	8.128588	8.065064	8.141079
DUOX1	DUOX1	6.904603	7.063865	6.809887	6.999059	6.922464	6.979999	6.847866	6.979339	6.895892	6.936305	6.724597	6.840512
DUOX2	DUOX2	6.869146	6.920486	6.811745	6.948516	6.84405	6.892707	6.8742	6.879464	6.854592	6.833823	6.728324	6.75714
DUPD1	DUPD1	6.813701	7.046125	6.799483	7.04152	6.906148	7.226324	6.9309	6.92513	6.792822	6.878136	6.732788	6.783505
DUS1L	DUS1L	7.853427	8.138887	7.804997	7.910714	7.715784	7.853284	7.782884	7.694302	7.586023	7.79868	7.51986	7.278015
DUS2L	DUS2L	9.723967	9.701631	8.858931	8.94587	8.79135	9.367105	9.081218	8.663733	8.909373	8.930336	8.415237	8.776263
DUS3L	DUS3L	8.441532	8.935729	8.426787	8.202724	8.163666	8.461753	7.796793	7.897528	7.908797	7.827513	7.9474	7.936754
DUS4L	DUS4L	8.403344	8.836648	8.596218	8.667176	8.804304	9.16224	8.544812	8.679137	8.563144	8.57231	8.358265	8.211681
DUSP1	DUSP1	8.68569	8.999019	8.504501	9.470063	9.259066	10.31926	9.147134	9.613798	9.362117	9.531685	10.49592	9.905715
DUSP10	DUSP10	6.989133	7.479227	7.334272	7.468648	7.479455	8.431918	7.701143	7.702377	7.492149	7.579663	7.265646	7.177306
DUSP11	DUSP11	8.691178	9.29399	9.006258	9.062178	8.930378	9.080121	8.675523	8.837943	8.893353	8.560267	8.733802	8.675672

DUSP12	DUSP12	10.447	10.90416	10.8194	10.8782	10.80227	11.02688	10.38167	10.42582	10.56449	10.24178	10.24768	9.743129
DUSP13	DUSP13	7.007947	7.19991	6.878288	7.119385	7.111215	7.644774	7.602112	7.499323	7.595378	7.745782	7.254428	7.658222
DUSP14	DUSP14	9.024814	9.257152	8.797001	9.396208	9.3266	10.8447	9.676219	9.713164	9.756403	10.05775	10.06553	9.714761
DUSP15	DUSP15	6.876594	7.119866	6.871782	7.079765	7.00764	7.015049	6.972366	7.011152	6.98787	6.899575	6.837982	6.914045
DUSP16	DUSP16	8.907048	9.385685	7.698748	7.840247	7.575043	8.258738	7.951814	8.009172	7.769825	7.776967	7.523658	7.643963
DUSP18	DUSP18	7.255115	7.45614	7.530985	7.766329	7.730461	7.943246	7.802357	7.932462	7.808083	7.646487	8.056255	7.656391
DUSP19	DUSP19	10.19434	11.12444	10.48894	10.8873	11.24828	10.91537	11.10506	11.01412	10.8914	10.98515	10.6963	10.78155
DUSP2	DUSP2	7.184736	7.575121	7.140943	7.300986	7.113962	7.369286	7.116814	7.078368	7.154055	7.316755	6.958123	7.002355
DUSP21	DUSP21	6.848263	6.853945	6.760465	6.908279	6.860031	7.008806	6.942409	6.908139	6.748374	6.835214	6.817057	6.780711
DUSP22	DUSP22	9.475199	9.546289	8.772818	9.265398	9.187573	10.15056	9.855483	9.899879	9.932357	9.999134	9.773302	9.789557
DUSP23	DUSP23	10.81771	11.17735	10.57271	10.73041	10.62637	10.66931	10.32518	10.0554	10.37843	10.35715	10.09176	9.992766
DUSP26	DUSP26	7.91462	8.088521	7.7921	7.855553	8.114768	10.18405	10.77532	10.94558	10.52068	11.03212	10.62363	10.51521
DUSP27	DUSP27	6.99444	7.153554	6.75444	7.017184	7.040121	7.24628	7.114531	7.083341	6.998344	7.158193	6.857181	7.011616
DUSP3	DUSP3	9.843154	10.26847	9.617868	10.69114	11.18145	12.34982	12.0319	12.31902	12.15675	12.54128	12.25359	12.52236
DUSP4	DUSP4	6.87433	7.089267	6.945561	7.114825	6.954791	6.976871	6.847788	6.933975	6.971766	6.95073	6.932772	6.867404
DUSP5	DUSP5	9.210308	10.07229	11.01955	10.36895	9.438303	10.79689	9.95813	10.02653	9.347055	10.18319	9.656385	9.361539
DUSP5P	DUSP5P	6.905257	7.11024	7.007729	7.084409	7.06347	6.991071	6.872765	6.992904	7.081687	6.983229	6.872482	6.956137
DUSP6	DUSP6	8.852799	8.644115	9.438443	9.789612	8.251456	8.608028	7.764348	7.470465	7.570409	7.801188	7.635154	7.586391
DUSP7	DUSP7	6.852764	7.067838	6.789507	7.142906	7.039501	7.025689	7.045359	7.020717	6.93497	6.990501	6.983558	6.899449
DUSP8	DUSP8	7.176599	8.144168	7.468334	7.855105	7.624853	8.356946	8.0762	8.46234	8.167465	8.450095	7.802839	8.027115
DUSP9	DUSP9	7.011741	7.229809	6.836855	7.112474	7.181958	7.14039	6.944902	7.02712	7.038873	7.04006	6.90063	6.941585
DUT	DUT	10.13261	10.03527	8.989176	8.960319	8.594222	9.168379	8.963492	8.830079	8.934143	8.802765	8.088704	7.802103
DUX1	DUX1	7.027654	7.049187	6.789391	7.134321	7.033738	7.072429	6.954525	7.063288	6.955431	6.932088	6.870716	7.050154
DUX2	DUX2	7.023212	7.000662	6.886706	7.041574	7.129887	7.036388	6.682362	6.987002	7.055137	7.093366	6.857277	6.910038
DUX3	DUX3	7.030515	7.033679	6.916742	7.192749	6.945644	6.939054	6.919968	7.021605	7.02098	6.96506	6.917615	6.940309
DUX4	DUX4	6.840076	7.010155	6.812971	7.04745	6.866629	7.111411	6.861058	6.955598	6.877805	6.983021	6.825398	6.832479
DUX4C	DUX4C	6.906108	7.109171	6.860896	7.094976	6.988605	7.087492	6.975548	6.980724	6.974334	7.062699	6.825391	6.870155
DUX5	DUX5	6.724715	7.210788	6.837276	7.047882	6.96201	6.875879	6.908895	6.994127	6.764062	6.902852	6.703562	6.787704
DUXA	DUXA	6.873543	6.948825	6.810685	6.85608	6.977072	7.049801	6.743774	6.875706	6.870594	6.95398	6.766198	6.834761
DUXAP3	DUXAP3	9.456622	10.47538	9.9768	10.27549	10.49761	10.46283	10.63142	9.877799	10.25224	10.07846	9.711035	10.15884
DVL1	DVL1	7.148185	7.256385	6.910939	7.217535	7.111415	7.136568	6.94831	7.116267	7.111007	7.190234	7.102356	7.079681
DVL2	DVL2	8.380716	8.6403	8.398188	8.779396	8.6044	8.763266	8.424327	8.43591	8.414136	8.43991	8.155813	7.891156
DVL3	DVL3	8.653759	8.614894	8.745405	9.452503	9.570296	9.832817	9.183531	9.49703	9.346507	9.251567	9.356045	9.022622
DXS9879E	DXS9879E	11.05314	11.71896	10.84488	10.55412	10.59378	11.1182	10.69791	10.42326	10.50833	10.61656	10.43857	9.883413
DYDC1	DYDC1	6.881084	7.047815	6.802225	6.962344	6.910411	6.881494	6.820746	6.944354	6.909044	6.860333	6.754381	6.809811
DYM	DYM	9.81804	9.858384	9.52285	9.924051	9.910163	9.708845	9.462385	9.903412	9.636107	9.723636	9.873335	9.630163

DYNC1H1	DYNC1H1	10.40156	10.53785	9.83418	10.20739	10.06061	10.02112	9.941177	10.27844	10.42304	10.1586	10.45327	10.41706
DYNC1I1	DYNC1I1	7.03531	7.263556	8.036365	8.989548	8.354758	8.140212	7.90937	7.89362	7.627573	7.828026	7.878787	7.734417
DYNC1I2	DYNC1I2	10.39309	11.04243	10.98663	11.1964	11.04702	11.84769	11.05658	11.39305	11.25309	11.06949	11.41042	10.84334
DYNC1LI1	DYNC1LI1	7.227125	7.544153	7.263685	7.354292	7.359627	7.791751	7.800979	7.759672	7.910802	7.939107	7.517583	7.821761
DYNC1LI2	DYNC1LI2	11.91143	12.19462	12.00824	12.1327	12.16675	12.17292	12.07528	12.09817	12.13411	12.10631	11.98326	11.97845
DYNC2H1	DYNC2H1	7.843698	8.189702	7.910431	8.491212	8.344949	7.712375	7.583112	7.556027	7.706567	7.439263	7.410089	7.415838
DYNC2LI1	DYNC2LI1	7.444921	7.819588	7.622827	7.718677	8.052455	8.475889	8.08628	8.281095	8.245137	8.119436	8.039413	7.690381
DYNLL1	DYNLL1	12.7186	13.28239	12.90432	12.9429	12.88033	13.32328	13.03029	13.01973	13.13752	13.15812	13.34269	12.28628
DYNLL2	DYNLL2	8.226337	8.642187	8.515081	8.662501	8.532549	8.555666	8.243882	8.29649	8.210666	8.488338	8.634709	8.613418
DYNLRB1	DYNLRB1	10.15185	10.79377	10.56434	10.89113	10.79079	11.37208	11.24795	11.39213	11.34109	11.62233	11.62998	10.85126
DYNLRB2	DYNLRB2	7.20393	7.471956	7.221901	7.301946	7.190266	7.347204	7.280876	7.113826	7.18141	7.308797	7.173621	7.122945
DYNLT1	DYNLT1	10.61258	11.21398	10.97134	11.33218	11.62933	12.86377	12.22748	12.38033	12.18577	12.38171	12.28471	11.33395
DYNLT3	DYNLT3	7.467884	7.806006	7.762053	8.28427	8.060531	8.30942	8.343181	9.042172	8.760398	9.07104	9.934175	8.877957
DYRK1A	DYRK1A	8.812788	9.21497	8.929679	9.056269	9.020982	9.281319	8.844253	8.830907	8.842905	8.7622	8.449538	8.860536
DYRK1B	DYRK1B	7.04089	7.404023	7.10089	7.378629	7.322557	7.539158	7.485992	7.608536	7.506845	7.654736	7.475185	7.386642
DYRK2	DYRK2	9.29536	9.415701	9.1054	9.826043	9.474069	10.21296	9.691438	9.605115	9.454777	9.405434	9.132516	9.634975
DYRK3	DYRK3	7.091603	7.237416	7.239668	7.406964	7.295509	7.465601	7.290351	7.374348	7.395528	7.346849	7.355883	7.323206
DYRK4	DYRK4	8.091489	8.617325	8.216001	9.204981	9.78492	10.46549	10.41899	10.2923	10.29736	10.60715	10.17773	9.899875
DYSF	DYSF	7.696519	7.776451	7.305034	7.889563	7.840126	8.208666	8.271568	8.849369	8.0316	8.738909	8.670977	7.843837
DYSFIP1	DYSFIP1	6.892927	7.083638	6.830316	7.032355	6.971812	7.077575	6.868333	6.88935	6.91675	6.956605	6.80982	6.918465
DYX1C1	DYX1C1	6.918755	7.09729	6.78759	7.062154	7.015044	6.998325	6.974159	6.939739	6.963744	6.922998	6.774149	6.832918
DZIP1	DZIP1	7.403639	7.486754	7.279471	7.558148	7.462923	7.156539	7.094435	7.152454	7.18885	6.944781	6.997554	7.12025
DZIP1L	DZIP1L	7.313651	7.617328	7.310105	7.70439	7.481981	8.001994	7.484524	7.545929	7.580992	7.515104	7.218142	7.312572
DZIP3	DZIP3	7.316157	7.377772	7.081132	7.402416	7.309777	7.354352	7.280895	7.289419	7.240963	7.213957	6.917997	7.010393
E2F1	E2F1	6.961525	7.24465	6.984117	7.219196	7.206547	7.14733	6.984762	7.015339	7.00681	7.119756	6.863715	6.98324
E2F2	E2F2	9.536172	9.476738	9.047049	9.21254	9.183865	8.671756	8.655181	8.482022	8.532222	8.32286	7.487972	7.176553
E2F3	E2F3	11.10174	11.34546	10.92265	10.69702	10.41843	10.1329	9.706837	9.474794	9.496585	9.162453	9.216892	8.298133
E2F4	E2F4	9.448869	9.596664	9.149552	9.417464	9.149809	8.929674	8.845753	8.986934	8.934215	9.045184	8.937937	8.494137
E2F5	E2F5	10.8512	11.09453	10.87012	10.49676	10.05917	9.569938	8.840982	8.965593	8.862609	8.365577	8.464349	8.176854
E2F6	E2F6	9.09686	9.391434	9.29122	9.463257	9.285799	9.591885	9.15654	9.18055	9.170842	9.09972	8.727506	8.866238
E2F7	E2F7	9.033307	9.175654	9.161082	9.037563	8.299809	7.845776	7.615813	7.826029	7.897956	7.747844	8.507699	7.820197
E2F8	E2F8	7.279144	7.424631	7.345674	7.491705	7.36266	8.162022	7.536393	7.590524	7.447966	7.682176	7.282848	7.090896
E4F1	E4F1	10.26637	10.51913	10.12226	10.44779	10.2503	10.04829	9.683159	9.484988	9.685066	9.346175	9.116177	9.471365
EAF1	EAF1	8.141509	8.536846	8.031828	8.249307	7.881048	7.803446	7.503443	7.462681	7.542931	7.649528	7.646203	7.503822
EAF2	EAF2	7.861331	8.039539	7.213297	7.355235	7.355165	7.459612	7.161215	7.17287	6.998406	7.116152	7.122602	6.918682
EBAG9	EBAG9	8.714897	8.805526	8.580567	8.704113	8.921151	9.082825	8.677191	8.871029	8.747546	8.698834	8.836968	8.698858

EBF	EBF	6.93867	7.173903	6.987153	7.335937	7.179957	7.089033	7.018181	7.245966	7.935045	7.177639	6.850528	6.958591
EBF2	EBF2	6.797847	6.956993	7.00302	7.17753	6.995803	6.964201	6.867072	6.871995	6.979878	6.932306	6.773245	6.9211
EBF3	EBF3	7.17827	7.412827	7.444883	7.733608	7.917667	7.771602	7.838926	7.703572	8.94607	7.813876	7.370709	7.608901
EBI2	EBI2	6.905053	7.09156	6.902891	7.982887	8.030496	8.306884	7.88946	7.779813	7.497265	7.552784	7.138124	6.93713
EBI3	EBI3	7.245315	8.16568	7.101618	7.127257	7.255797	6.924595	6.958976	6.962818	6.904262	6.966449	6.832124	6.829343
EBNA1BP2	EBNA1BP2	11.65375	11.95777	11.20846	11.2112	11.05905	11.43586	10.55798	10.76372	10.78791	10.86195	11.29608	10.7962
EBP	EBP	9.947251	9.900579	9.634363	9.798511	9.500317	9.77884	9.274255	9.485186	9.427102	9.393994	9.485782	8.895443
EBPL	EBPL	11.06443	11.16797	10.32556	10.6475	10.59589	9.55516	9.289703	9.272526	9.389838	9.016774	9.223639	8.799323
ECAT1	ECAT1	6.83151	7.089237	6.826635	7.012861	6.876901	6.945437	6.858561	6.929124	6.850601	6.842547	6.731852	6.86279
ECAT11	ECAT11	12.50073	13.13361	11.68204	9.118537	7.696508	7.065533	6.920905	6.955768	7.015466	6.970653	6.803275	6.948906
ECAT8	ECAT8	7.099778	7.282588	7.016827	7.236362	7.093955	7.164244	7.042164	7.105869	7.197063	7.299201	6.903357	7.081458
ECD	ECD	8.978871	9.419695	8.942514	8.90306	8.475474	9.131091	8.598766	8.776525	8.61466	8.748639	8.466421	8.085122
ECE1	ECE1	7.096657	7.421465	7.034066	7.513801	7.354868	7.39492	7.301054	7.227533	7.288838	7.207408	7.409656	7.242601
ECE2	ECE2	7.385359	7.628492	7.118914	7.261253	7.165918	7.327144	7.077091	7.059742	7.05882	7.108523	7.149172	7.12661
ECEL1	ECEL1	7.3422	7.549108	6.942232	7.090802	6.990923	7.105517	6.96051	7.138242	7.012862	7.031185	6.783554	6.958665
ECGF1	ECGF1	7.273055	7.703915	7.394006	7.953776	7.828799	8.209571	7.741451	7.504363	7.555294	7.511612	7.47886	7.150619
ECH1	ECH1	11.12584	11.13532	10.30644	10.79795	11.16487	12.59704	12.02176	11.8602	11.51658	11.95216	11.27895	11.151
ECHDC1	ECHDC1	8.257196	8.573534	8.327042	8.809367	8.351115	8.716602	8.4064	7.973751	8.485415	8.119432	7.909955	8.142952
ECHDC2	ECHDC2	10.32833	10.05346	9.360637	9.86984	9.453809	10.53996	11.00819	11.22188	10.91296	11.39736	10.33432	10.35803
ECHDC3	ECHDC3	8.64013	8.097035	7.123901	7.120749	7.084984	6.938628	7.049513	7.153947	7.006125	7.252948	6.949066	7.016601
ECHS1	ECHS1	11.4219	11.36685	10.63993	11.05536	11.10041	11.52623	11.14682	11.13196	11.0903	11.176	11.09734	11.01198
ECM1	ECM1	6.867321	7.075479	6.875488	7.190418	7.015432	7.20762	7.401342	7.47429	7.476514	7.444322	8.066085	7.678697
ECM2	ECM2	6.98975	7.168671	6.880391	7.244759	7.012545	6.979209	6.932681	6.999949	7.106648	6.96841	6.919098	6.99713
ECOP	ECOP	8.241985	8.863581	7.934841	7.845483	7.566298	7.857615	7.500468	7.852511	7.727647	7.794809	8.217476	8.036526
ECRG4	ECRG4	7.449037	7.655184	7.150833	7.037765	6.888464	6.936894	6.774144	6.862398	7.074258	6.942628	6.760086	6.905767
ECSIT	ECSIT	7.876302	7.984742	7.347136	7.511197	7.626704	8.181863	7.938047	8.113761	8.045026	8.249018	8.04993	8.158688
ECT2	ECT2	11.36646	11.79551	11.26791	11.22096	10.58699	10.79278	10.46274	9.970221	10.49876	10.06743	9.117894	9.211718
EDA	EDA	7.00882	7.179217	6.91355	7.101712	7.025215	6.965702	6.934201	7.012773	6.95929	7.067633	6.838796	6.881617
EDA2R	EDA2R	7.128314	7.263016	7.025202	7.130431	7.142756	8.038317	7.504279	7.403117	7.321213	7.273239	7.270496	7.376499
EDAR	EDAR	6.807557	6.936198	7.09989	7.21368	7.013482	6.885911	6.808006	6.873774	6.957379	6.785014	6.875505	6.78833
EDARADD	EDARADD	7.358612	7.589327	7.225576	7.491466	7.219163	7.082651	6.894111	7.029395	7.035841	7.094124	6.804809	6.888011
EDD1	EDD1	9.890088	10.18769	9.249871	9.57836	9.182547	9.410659	8.751488	8.675593	8.632609	8.507144	8.359249	8.697197
EDEM1	EDEM1	7.738897	7.743609	7.585763	8.202783	7.767823	7.739014	7.584136	7.640017	7.706308	7.792641	8.208774	8.148804
EDEM3	EDEM3	7.224827	7.818076	7.385949	7.91578	7.842414	7.976223	7.820651	7.88757	7.90582	7.813237	7.758766	8.083932
EDF1	EDF1	11.61004	12.33877	11.65174	11.91711	12.04276	12.66089	12.27049	12.18988	12.27511	12.35876	12.31138	11.94988
EDG1	EDG1	7.224335	7.430034	7.218545	8.07151	9.013458	10.21333	9.609944	9.947964	9.261974	9.779868	9.468867	8.924232

EDG2	EDG2	7.241104	7.636249	8.08969	8.259377	8.49298	7.503635	7.361201	7.425024	8.05081	7.158017	7.450268	7.911301
EDG3	EDG3	7.580969	7.478367	8.766012	9.870597	9.187792	8.981319	8.624622	8.881049	8.720244	8.735569	8.56843	8.22695
EDG4	EDG4	9.121385	9.590217	9.099908	9.368538	9.056908	7.884383	7.684849	7.463381	8.136483	7.410341	7.236673	7.315935
EDG5	EDG5	6.862123	6.998381	6.755941	7.060976	6.983074	6.874114	6.835343	6.914531	6.807445	6.947202	6.858466	6.811573
EDG6	EDG6	6.778259	7.080297	6.752374	7.012654	6.935279	6.890422	6.827464	6.914678	6.925899	6.91844	6.786263	6.794519
EDG7	EDG7	7.610586	7.481096	6.874321	7.078473	6.933971	7.104499	6.966428	7.087653	6.956417	7.133727	6.8489	6.908599
EDG8	EDG8	7.647674	7.488504	7.164465	7.620114	7.623394	7.245065	7.30327	7.362758	7.235273	7.189786	6.986045	6.94377
EDIL3	EDIL3	7.392227	7.855013	7.101788	7.724654	7.463835	7.431265	7.299245	7.46789	7.695435	7.82923	8.160663	7.984311
EDN1	EDN1	7.127327	7.611371	7.630859	8.755533	7.879529	7.996143	7.487108	8.130332	8.156047	8.171989	9.462193	7.718761
EDN2	EDN2	6.895878	7.043135	6.752161	7.041636	6.927389	7.080572	7.018676	7.110877	6.941154	7.267286	7.375465	7.376512
EDN3	EDN3	6.972038	7.167002	7.0804	7.400543	8.414486	7.067773	6.913088	6.985881	7.117992	7.056873	6.817123	6.7996
EDNRA	EDNRA	7.38838	7.318394	7.438384	9.381507	10.21031	11.31317	10.83112	10.66491	10.77011	10.51822	9.343516	9.790967
EDNRB	EDNRB	8.487594	8.138622	7.571311	7.688442	7.352256	7.175534	7.114515	7.134335	7.204627	7.159041	6.941742	7.057617
EEA1	EEA1	7.029868	7.405362	6.995231	7.216483	7.281782	7.56105	7.205392	7.428951	7.308861	7.251254	7.328766	7.321553
EED	EED	7.926851	8.370362	8.021234	8.273134	8.020379	8.257941	7.987053	7.810203	8.01244	7.800968	7.502482	7.794808
EEF1A1	EEF1A1	15.50039	15.65354	15.35962	15.57497	15.5371	15.26114	15.13896	15.29367	15.26382	15.17667	15.08419	14.60051
EEF1A2	EEF1A2	10.5132	11.47312	9.69144	10.51621	11.56189	13.67109	13.64282	13.65845	13.39988	13.64937	12.81832	13.05334
EEF1B2	EEF1B2	12.82717	13.39755	12.7737	12.64698	12.75908	12.71082	12.41698	12.24171	12.51423	12.27239	12.2053	11.66767
EEF1D	EEF1D	10.66641	11.01345	10.39741	10.79209	10.76629	10.83864	10.26109	10.52542	10.58703	10.55282	10.63653	10.31936
EEF1E1	EEF1E1	10.80947	11.06158	10.21008	9.777896	9.800469	10.17628	9.640793	9.525412	9.757078	9.428439	9.676781	9.009543
EEF1G	EEF1G	13.91516	14.26405	13.69571	13.72129	13.98995	13.97404	13.65499	13.79724	13.74842	13.86322	13.79101	13.39737
EEF2	EEF2	14.15207	14.25753	13.23594	13.52267	13.6962	13.40552	13.2218	13.25974	13.43056	13.31953	13.13971	13.14383
EEF2K	EEF2K	9.858211	9.66705	8.289872	9.017651	9.096224	8.977821	9.099171	9.143821	9.255891	9.411692	9.285275	9.532355
EEFSEC	EEFSEC	7.040617	7.07566	6.869069	7.14891	7.068434	7.023291	6.914479	7.008662	6.978954	7.045682	6.853451	7.025021
EFCAB1	EFCAB1	6.752317	6.95224	7.401712	7.239965	7.221445	6.92834	6.792657	6.915721	7.025635	6.92472	6.721832	6.861635
EFCAB2	EFCAB2	7.00344	7.071105	6.784848	7.080375	6.914511	7.091148	6.957227	7.030786	7.07632	7.041612	6.769192	7.047643
EFCAB3	EFCAB3	7.005307	7.360903	6.912838	7.241263	7.148022	7.033971	6.971974	6.921454	6.829541	6.993138	6.942755	6.953902
EFCBP1	EFCBP1	7.607276	8.531463	8.096668	7.283624	7.165075	7.226128	7.083914	7.224985	7.267542	7.324591	6.879243	7.134931
EFCBP2	EFCBP2	7.462782	7.764749	7.409608	7.698473	7.391768	7.393652	7.010087	7.113859	7.107393	7.185036	7.083227	7.189842
EFEMP1	EFEMP1	7.759418	7.69522	7.791541	7.65309	7.506698	7.2094	7.727028	8.885273	9.203636	9.298641	10.65959	9.300906
EFEMP2	EFEMP2	7.98992	8.235795	9.599029	10.65294	10.97782	11.1409	11.13152	11.1472	11.06943	11.11976	11.01944	10.98278
EFHA1	EFHA1	10.46788	10.65799	10.3626	10.48423	10.76215	11.63168	11.36091	11.38239	11.26602	11.54142	11.20956	11.00946
EFHA2	EFHA2	6.960374	7.225557	6.964048	7.325219	7.229835	7.184182	7.107247	7.014432	7.106296	7.053552	6.925543	7.054276
EFHB	EFHB	6.891019	7.065102	6.866982	7.121691	6.985762	6.962661	6.941073	6.957372	6.899353	6.956252	6.772128	6.878644
EFHC1	EFHC1	7.988849	8.577137	8.188147	8.374527	8.19369	7.936969	7.932306	7.714427	7.802666	7.604394	7.587046	7.650589
EFHC2	EFHC2	7.339137	7.24852	6.885316	7.324569	7.232399	7.528363	7.823228	7.769941	7.589819	7.825384	7.178039	7.283373

EFHD1	EFHD1	8.415864	8.364658	9.192234	9.700736	9.821853	9.287911	8.004568	8.414486	8.350969	8.708699	8.447804	8.074803
EFHD2	EFHD2	9.680112	10.27294	10.08018	9.970251	9.892479	9.549831	9.305607	9.265409	9.51968	9.301876	9.671916	9.888465
EFNA1	EFNA1	7.68832	8.278498	8.93157	10.05638	10.23628	10.31595	9.790529	9.744739	9.913657	9.922682	9.521863	9.741821
EFNA2	EFNA2	6.811256	7.095096	6.774823	7.101695	6.910571	6.881188	6.946777	6.891349	6.844954	6.771145	6.745311	6.811994
EFNA3	EFNA3	6.885629	6.970794	6.891535	7.173489	6.907681	7.041561	6.904904	7.017129	6.907225	6.915088	6.843515	6.838866
EFNA4	EFNA4	8.365083	8.486329	8.309185	8.675133	8.462361	8.237536	8.113678	8.099665	7.956573	7.841298	7.86721	7.6961
EFNA5	EFNA5	6.962945	7.19958	7.003757	6.975	7.103444	7.120947	6.921394	7.079726	7.075491	6.893611	6.84516	6.890535
EFNB1	EFNB1	7.158405	7.281311	8.11758	8.328399	8.544297	8.260213	8.083652	8.120033	8.138256	7.915939	7.776114	7.460118
EFNB2	EFNB2	9.429035	10.14549	10.11981	11.66553	12.2574	10.96274	9.901163	10.15488	10.48834	9.409035	10.11129	9.026629
EFNB3	EFNB3	9.384605	9.32946	9.756933	11.58539	11.84611	11.37002	10.86956	10.68838	11.16456	10.41271	9.180433	9.529634
EFS	EFS	8.090797	8.080746	7.933658	8.41966	8.025146	7.185556	7.15897	7.098125	7.295899	7.10042	7.146677	7.168456
EFTUD1	EFTUD1	8.481974	8.644224	8.074319	8.381048	7.929642	8.580953	8.220089	8.333286	8.067263	8.225807	8.197522	7.953274
EFTUD2	EFTUD2	10.55646	10.89559	10.11652	10.43283	10.00599	10.2998	9.886002	10.02123	9.81482	9.972687	10.09174	9.800633
EGF	EGF	7.119123	7.389932	7.08949	7.150685	7.048487	7.237537	7.257799	7.287639	7.303696	7.394602	7.109463	7.366289
EGFL5	EGFL5	6.818254	7.024411	6.694176	7.003818	6.892067	7.077446	6.870988	6.928432	6.853912	6.860269	6.768233	6.790773
EGFL6	EGFL6	7.35348	7.549732	6.912181	7.071128	8.582373	7.028478	6.957982	6.981396	7.441673	6.998853	6.721745	6.841655
EGFL7	EGFL7	7.16359	7.37166	6.926549	7.317953	7.213408	7.082274	6.973268	6.965793	7.015267	7.068315	6.873837	6.933799
EGFL8	EGFL8	6.852997	7.041626	6.722878	7.226446	7.309797	8.53728	8.613127	8.631721	8.662977	8.92692	8.466733	8.349914
EGFL9	EGFL9	7.024726	7.315952	6.88279	7.750572	7.82883	7.966879	7.599257	7.592438	7.677762	7.640155	7.333196	7.283132
EGFLAM	EGFLAM	7.092104	7.282041	8.19489	8.435734	8.359784	7.68143	7.508998	7.404726	7.418528	7.194179	7.360367	7.189256
EGFR	EGFR	7.031951	7.276246	6.864644	7.146122	6.997964	6.98583	6.938394	7.031873	7.033393	7.010786	7.011606	6.948326
EGLN1	EGLN1	7.270942	7.238903	7.112752	7.605912	7.871263	7.969413	7.596963	7.826066	7.716321	7.827962	7.978412	8.009764
EGLN2	EGLN2	10.47969	11.00436	10.25247	10.51504	10.56026	10.58171	10.39245	10.1527	10.21591	10.05686	9.62756	9.7859
EGLN3	EGLN3	8.058976	8.709856	8.086305	7.76824	7.332573	7.476448	7.109869	7.279544	7.499961	7.675479	7.709118	8.409157
EGR1	EGR1	10.28273	11.36607	9.191186	9.936088	9.42178	11.65534	9.772413	10.1184	10.14518	10.99278	10.26749	10.08344
EGR2	EGR2	7.502436	8.127404	7.705173	7.515661	7.600597	8.561381	7.588355	7.479345	7.741056	7.641777	7.433576	7.561569
EGR3	EGR3	7.237983	7.562246	7.196233	7.441442	7.215658	7.600513	7.385731	7.367175	7.502313	7.35888	7.156684	7.358221
EGR4	EGR4	6.822167	7.194108	6.872147	7.08608	6.977855	7.242124	6.928565	6.909778	6.967934	6.892019	6.781698	6.978173
EHBP1	EHBP1	9.80807	10.01702	9.268402	9.702498	9.79704	10.15532	9.601711	9.815202	9.529266	9.683994	9.73863	9.646986
EHD1	EHD1	10.49818	10.65549	10.06262	11.02013	11.23313	11.6313	10.81845	10.53539	10.6543	10.40945	10.29052	10.63397
EHD2	EHD2	7.101928	7.274047	6.967762	7.491142	7.251861	7.210455	7.23453	7.201154	7.509588	7.460114	8.058572	7.538389
EHD3	EHD3	7.032654	7.378553	7.070758	7.266248	7.494903	8.402955	8.13079	8.258509	8.007852	8.534931	8.533054	8.934477
EHD4	EHD4	9.741039	9.558437	8.941707	9.180429	9.333241	10.62629	10.12382	10.23924	9.912482	10.32599	10.09391	9.935297
EHF	EHF	6.8321	7.057705	6.854464	7.028652	6.920919	7.122839	6.942839	6.937617	6.798639	6.885756	6.861555	6.900083
EHHADH	EHHADH	7.175637	7.273456	6.835912	7.135251	7.132217	7.161646	6.930053	6.975871	6.94537	7.037994	6.794191	6.98449
EHMT1	EHMT1	7.025148	7.27668	6.931836	7.192822	7.092417	7.10803	6.995605	7.072985	7.043652	6.996371	6.846343	6.924786

EHMT2	EHMT2	7.512571	7.811564	7.223265	7.493555	7.304292	7.338032	7.143128	7.272345	7.218089	7.164947	7.048858	7.120798
EI24	EI24	10.99082	11.31956	10.85988	10.68273	10.47671	10.87483	10.47149	10.37031	10.72421	10.53648	10.25455	10.358
EID2B	EID2B	9.528922	10.30045	9.638585	10.15983	10.23433	10.10868	10.36646	9.995818	10.17078	10.16633	10.00185	10.22499
EID3	EID3	7.065571	7.366411	6.962173	7.084369	7.056604	6.992043	7.040859	7.0444	6.982952	6.989782	6.895152	6.953987
EIF1	EIF1	12.01961	12.22064	12.03626	12.38682	12.17443	12.65712	12.00866	12.32444	12.32803	12.51257	12.73328	12.70757
EIF1AX	EIF1AX	9.387705	9.98571	9.358083	9.066883	8.900858	9.191255	8.873411	8.535775	8.968052	8.547985	8.48556	8.569011
EIF1AY	EIF1AY	6.868262	6.9854	6.808009	6.979607	6.876678	6.954713	6.913577	6.906677	6.80137	6.86006	6.772952	6.84303
EIF1B	EIF1B	10.97673	11.28063	10.24732	10.78362	10.98888	11.87089	12.01059	12.05348	12.06297	12.38934	11.7965	11.68157
EIF2A	EIF2A	10.81868	10.86641	10.57345	10.75297	10.78617	10.96978	10.32854	10.60207	10.76119	10.69946	10.56178	10.53322
EIF2AK1	EIF2AK1	12.12927	12.07481	11.4485	11.83604	11.84958	11.3773	11.07259	11.00603	11.22515	10.87043	10.7884	10.80239
EIF2AK2	EIF2AK2	10.73427	11.19102	10.10173	10.50027	10.32006	10.56109	10.25029	9.986046	10.17596	9.917706	9.779013	10.22345
EIF2AK3	EIF2AK3	7.517984	8.615403	7.254331	7.696727	7.488183	7.624732	7.609926	7.52791	7.431618	7.649687	7.357948	7.347968
EIF2AK4	EIF2AK4	9.438378	9.871036	9.120136	9.510871	9.442342	9.57604	9.577809	8.952064	9.323328	9.051921	8.495933	9.172749
EIF2B1	EIF2B1	9.563646	9.802174	9.560242	9.719837	9.624211	9.858996	9.520622	9.799548	9.554616	9.56549	9.755077	9.564701
EIF2B2	EIF2B2	9.996554	10.3902	9.984913	10.16088	10.1741	11.51064	10.61763	10.6598	10.59295	10.61751	10.8555	11.11729
EIF2B4	EIF2B4	10.55766	10.90705	10.30414	10.51536	10.3381	11.08376	10.25821	10.41478	10.25566	10.39601	10.65316	10.60779
EIF2B5	EIF2B5	9.838457	9.998384	9.425984	9.828659	9.335604	10.16439	9.813576	9.636103	9.900548	9.87501	9.19029	9.921109
EIF2C1	EIF2C1	8.439632	8.974701	8.033438	8.508101	8.390242	8.659891	8.450994	8.591271	8.651325	8.402183	8.431025	8.298358
EIF2C2	EIF2C2	11.56536	11.66864	10.70551	11.08598	10.69492	10.87002	10.5353	10.55043	10.69556	10.43625	9.890805	10.99053
EIF2C3	EIF2C3	7.516075	7.865063	7.457038	7.761544	7.637357	7.951573	7.784919	7.745701	7.796938	7.688118	7.397569	7.583703
EIF2C4	EIF2C4	7.049814	7.26435	7.048859	7.491813	7.331622	7.59353	7.556981	7.475882	7.342625	7.401403	7.152041	7.282911
EIF2S1	EIF2S1	8.03256	8.151924	8.163704	8.751798	8.587107	9.114758	8.530947	8.567453	8.623529	8.617226	8.166815	8.503637
EIF2S2	EIF2S2	8.686187	8.606798	8.065332	8.636465	8.076165	8.376027	7.993439	8.123183	7.953591	8.039306	7.734819	7.747253
EIF2S3	EIF2S3	11.97421	12.31301	11.76893	11.80705	11.85398	11.76696	11.4006	11.63983	11.4284	11.41774	11.45034	11.22887
EIF3S1	EIF3S1	9.152092	9.359988	9.075222	9.363139	9.117369	9.750095	9.032353	9.171561	9.079863	9.100919	9.186543	9.170748
EIF3S10	EIF3S10	11.35348	11.5705	10.91819	11.07411	10.96362	11.06515	10.77894	10.2688	10.82225	10.48607	9.703812	10.55185
EIF3S12	EIF3S12	11.70818	12.2506	12.00388	11.52957	11.47261	12.24926	12.03095	11.97027	11.96328	12.15797	11.82957	11.59166
EIF3S2	EIF3S2	11.67245	11.79488	11.17134	11.50512	11.18848	11.60308	11.18401	11.19552	11.16784	11.37932	11.59938	11.41248
EIF3S3	EIF3S3	11.8902	12.14874	11.6978	12.04282	11.99494	11.99406	11.51767	11.53814	11.71153	11.69461	11.43867	11.32655
EIF3S4	EIF3S4	11.59032	11.83596	10.98922	11.28258	11.27996	11.41964	11.10432	11.11681	10.96118	11.25496	11.13164	10.91183
EIF3S5	EIF3S5	12.49232	12.55801	11.89519	12.08887	12.25267	11.96553	11.546	11.74435	11.7856	11.79656	11.78055	11.17181
EIF3S6	EIF3S6	14.47184	14.60461	14.03421	14.22125	14.38542	14.41847	13.86171	13.8028	14.04516	13.65149	13.29359	13.2709
EIF3S6IP	EIF3S6IP	12.68241	13.00281	12.7029	12.77322	12.62521	12.52453	12.27434	12.248	12.50652	12.41758	12.18476	11.90056
EIF3S7	EIF3S7	11.73487	11.91637	11.57161	11.52913	11.38025	12.17223	11.23018	11.46494	11.23126	11.37433	11.51298	11.32441
EIF3S8	EIF3S8	7.964784	8.468533	7.801867	8.186224	7.987533	8.428266	8.297019	8.046973	8.200985	8.318109	7.900425	8.230073
EIF3S9	EIF3S9	12.54338	12.61531	11.86547	11.89756	11.50276	11.60565	11.08092	11.07827	11.18744	11.08584	11.02713	11.10509

EIF4A1	EIF4A1	14.59722	14.77098	14.3409	14.14742	14.15452	14.01776	13.21638	13.427	13.32056	13.23711	13.68964	13.13587
EIF4A2	EIF4A2	13.69203	13.88273	12.95763	13.45528	13.65631	13.9517	13.63675	13.80487	13.85555	13.69232	13.5083	13.69665
EIF4B	EIF4B	12.64971	12.46427	12.21607	12.37484	12.15366	11.8934	11.49525	11.88014	11.68069	11.61747	11.58931	11.20876
EIF4E	EIF4E	7.817201	8.155642	7.629859	7.701319	7.647028	7.554648	7.576689	7.420678	7.69066	7.444152	7.229837	7.632383
EIF4E2	EIF4E2	10.5061	10.89529	10.27197	10.22652	10.0396	10.17716	9.851546	9.65543	9.978448	10.03249	10.00931	9.730112
EIF4E3	EIF4E3	8.642068	8.893416	7.684419	7.756706	7.593158	8.263135	7.904542	8.343657	8.287225	8.566723	8.723167	8.685641
EIF4EBP1	EIF4EBP1	7.9319	8.332119	7.456016	7.881271	8.14196	7.966235	7.812508	7.609976	7.615332	7.616997	7.696556	7.373839
EIF4EBP2	EIF4EBP2	10.22545	10.34412	9.990647	10.23405	9.401799	9.241814	8.741711	8.852075	8.6854	8.760259	8.518079	8.515084
EIF4EBP3	EIF4EBP3	7.113088	7.4637	7.088584	7.254967	7.140884	7.19398	7.087509	7.135059	7.101676	7.181668	6.97317	7.015555
EIF4ENIF1	EIF4ENIF1	8.317677	8.757331	8.430421	9.030755	8.845864	9.128394	8.93836	9.138238	8.975983	9.095371	9.184481	8.752872
EIF4G1	EIF4G1	9.989385	10.32034	9.599886	9.901605	9.63229	9.757463	9.247774	9.495583	9.380374	9.393372	9.762644	9.668457
EIF4G2	EIF4G2	12.61131	13.01636	12.86792	13.18809	12.88205	12.92198	12.5338	12.72325	12.65105	12.54935	12.54152	12.41496
EIF4G3	EIF4G3	10.07982	10.14149	9.934772	10.37275	10.01484	10.12043	9.77154	9.805423	9.813303	9.644964	9.5176	10.08507
EIF4H	EIF4H	12.03949	12.18936	11.77027	11.94301	11.67064	12.16193	11.43252	11.59412	11.53691	11.60336	11.51612	11.35651
EIF5	EIF5	9.357014	9.881052	9.257962	9.370733	9.444923	10.06879	9.153767	9.291548	9.215045	9.2488	9.083246	8.810711
EIF5A	EIF5A	11.68952	12.15259	11.28649	11.21317	11.03244	11.03669	11.00386	10.80171	11.05286	11.09797	10.97773	10.73599
EIF5A2	EIF5A2	7.19514	7.27566	7.124002	7.2783	7.115059	7.957192	7.541793	7.595593	7.504868	7.608012	7.399991	7.724866
EIF5B	EIF5B	9.327138	9.770863	9.123132	9.283154	8.982769	9.904623	9.474829	9.571533	9.440417	9.615898	9.371527	9.148189
ELA1	ELA1	6.833353	7.211584	6.82487	7.046218	6.933616	7.060106	6.726305	6.908391	6.88335	6.91351	6.737341	6.993945
ELA2	ELA2	6.966502	6.988075	6.922499	6.95552	6.991314	7.06776	6.881554	6.963392	6.810091	6.925828	6.847041	6.819429
ELA2A	ELA2A	6.877264	6.923272	6.826369	7.068653	6.971273	7.270085	7.156199	7.227447	7.085068	7.078418	6.954273	6.874096
ELA2B	ELA2B	6.784361	7.212153	6.881171	7.02102	7.030601	7.208428	7.170661	7.154915	7.09589	7.014823	7.077264	6.873238
ELA3A	ELA3A	6.865654	7.031113	6.801842	6.975419	6.914377	6.942919	6.87739	6.906883	6.843177	6.900277	6.807471	6.864579
ELA3B	ELA3B	6.92681	7.12349	6.952378	7.057275	6.989784	6.997953	7.088546	7.134846	7.092335	7.151406	6.891094	7.012133
ELAC1	ELAC1	7.078915	7.408188	7.469074	7.350769	7.516703	7.361008	7.222922	7.102864	7.114656	7.094278	7.104234	6.986402
ELAC2	ELAC2	9.181344	9.318084	8.485705	8.694926	8.471914	8.905636	8.466093	8.389836	8.279496	8.285765	8.34778	8.332584
ELAVL1	ELAVL1	8.045474	7.913656	7.895894	9.091164	8.994019	8.972346	8.319457	8.172743	8.169505	8.105802	7.589225	7.818197
ELAVL2	ELAVL2	7.557672	7.763883	7.095974	7.182451	7.072315	7.08702	6.904232	7.040299	7.245163	6.983894	6.783092	7.014903
ELAVL3	ELAVL3	6.949954	7.136582	6.929289	7.053805	7.028272	7.126815	6.977362	6.963181	7.722388	7.005766	6.912887	6.944684
ELAVL4	ELAVL4	6.871462	7.123688	6.894118	7.163438	6.975475	7.096182	6.924194	7.029344	7.491163	6.998007	6.846206	6.851026
ELF1	ELF1	8.435316	9.55334	9.004132	9.611662	9.319405	9.58151	9.212394	9.233909	9.055963	9.119074	9.138445	9.243091
ELF2	ELF2	8.364005	8.668369	8.783859	8.904073	9.023363	9.813959	9.096461	9.153392	8.887105	8.871381	8.506083	8.419484
ELF3	ELF3	7.804224	8.173578	7.691275	7.777121	8.097491	7.719558	7.671222	7.656069	7.567095	7.868702	7.872601	7.367717
ELF4	ELF4	7.698247	7.930904	7.838559	8.247486	8.68721	8.060269	7.892304	8.068921	8.067449	7.711375	8.139727	7.862217
ELF5	ELF5	6.825322	6.961583	6.858594	7.070161	7.018644	6.984211	6.784268	6.899554	6.96252	6.848941	6.807953	6.847347
ELK1	ELK1	9.058262	9.498349	8.969722	9.697166	9.100299	9.045972	8.704402	8.66016	8.865595	9.159333	9.149904	9.079942

ELK3	ELK3	6.936073	7.155221	6.911712	7.111872	7.049387	7.053175	6.955907	7.002962	6.970853	6.990185	7.152947	7.011366
ELK4	ELK4	7.157804	7.298216	7.020924	7.180991	6.998873	7.098632	6.960121	7.094672	6.959163	6.981094	6.853709	6.965877
ELL	ELL	7.873583	8.305766	8.037682	8.242779	8.22593	8.306907	7.791558	7.829845	7.873705	7.753744	7.777382	7.6657
ELL2	ELL2	7.699008	8.515767	7.984876	8.198221	7.525309	8.403761	7.927345	8.034014	7.850757	7.958085	8.463546	8.867177
ELL3	ELL3	7.753803	7.963233	7.126549	7.118993	7.1468	7.344998	7.111504	7.131844	7.035039	7.036777	6.876809	7.052561
ELLS1	ELLS1	8.944645	8.884526	8.940587	9.824145	9.817724	10.64786	10.50525	10.6134	10.84453	10.83403	9.930593	10.56751
ELMO1	ELMO1	7.089965	7.45185	7.757912	7.446742	7.183181	7.155621	6.974965	7.137171	7.136981	7.013477	6.91236	6.914891
ELMO2	ELMO2	7.843729	8.138763	7.921655	8.382829	8.255744	8.487416	8.17998	8.40036	8.241269	8.339613	8.303684	8.062087
ELMO3	ELMO3	7.453962	7.665353	7.000224	7.306027	7.249782	7.144854	6.977759	7.016666	7.025667	7.048478	6.833942	7.011172
ELMOD1	ELMOD1	7.115573	7.52563	6.893418	7.388627	7.765665	7.773618	7.368604	7.5915	8.021561	7.52152	8.109472	7.50273
ELMOD2	ELMOD2	7.720264	8.239356	8.022848	8.314208	8.123173	8.831625	8.548745	8.654201	8.703511	8.572897	8.631413	8.525237
ELN	ELN	6.990718	7.208522	6.918341	7.138855	6.94621	7.057595	6.940047	7.03017	7.170591	7.117388	7.309197	7.068535
ELOF1	ELOF1	8.601469	8.867041	8.182824	8.527343	8.209677	8.568662	8.299833	8.282164	8.337318	8.461448	8.399847	7.953577
ELOVL1	ELOVL1	7.337947	7.678057	7.429213	7.705416	7.686395	7.895525	7.686114	7.773035	7.788302	7.974038	8.269649	7.744567
ELOVL2	ELOVL2	6.950245	7.132047	7.001921	7.178729	7.086015	7.057006	7.010332	7.073398	7.046847	7.137191	6.818434	6.823715
ELOVL3	ELOVL3	6.828232	7.062523	6.76438	7.01925	6.89589	6.964467	6.857285	6.992513	6.923486	6.92465	6.787491	6.92925
ELOVL4	ELOVL4	9.984838	10.36433	9.310368	9.806601	9.997751	10.66999	9.590757	9.315606	9.595412	9.274925	9.047586	9.285147
ELOVL5	ELOVL5	10.76997	10.73545	10.37826	10.00819	9.86766	10.45694	10.21115	10.43269	10.32807	10.38144	10.54532	9.903425
ELOVL6	ELOVL6	11.06805	11.64991	10.97622	10.73288	10.22693	10.78604	10.56455	10.20194	10.0625	9.66869	9.514797	9.244073
ELOVL7	ELOVL7	6.958696	7.324039	6.799176	7.120312	7.040461	7.002855	6.830803	7.02481	6.952718	6.929061	6.855545	6.94606
ELP3	ELP3	10.19283	10.67182	9.921561	10.17611	10.33623	10.93074	10.4291	10.30447	10.30399	10.18034	9.634141	10.09436
ELP4	ELP4	8.505577	8.427704	8.037816	7.936313	7.901956	8.230699	7.959875	8.119728	8.114084	8.119819	8.00551	7.975607
ELSPBP1	ELSPBP1	6.819937	7.035612	6.765767	7.029679	6.963747	7.092402	7.014322	6.991332	6.91659	6.863959	6.802496	6.760433
EMB	EMB	7.008668	7.208681	6.886482	7.091599	6.944687	7.00157	6.831675	6.982485	6.924989	6.982101	6.817655	6.910733
EMCN	EMCN	6.980397	7.168634	6.960317	7.169277	7.336612	7.039559	7.005029	7.182245	7.060485	7.177522	7.099281	7.054624
EMD	EMD	11.20976	11.81998	10.06282	10.43881	10.74764	11.04342	10.82076	10.63029	10.79023	11.04648	10.91555	10.82732
EME1	EME1	7.666719	8.010238	7.540777	7.883564	7.570176	7.539395	7.261102	7.280909	7.012798	7.236517	6.992873	6.894816
EME2	EME2	7.006457	7.103287	6.919537	7.12265	6.86003	7.11595	6.990861	7.014741	6.981042	7.053186	6.994502	6.844817
EMG1	EMG1	10.5779	11.30769	10.47961	9.967406	9.708967	10.20752	9.507182	9.76183	9.842874	9.872641	9.985132	9.727078
EMID1	EMID1	7.067787	7.235488	7.213596	7.397007	7.282985	7.781086	7.446288	7.292569	7.178777	7.167389	6.670348	6.814353
EMILIN1	EMILIN1	6.86742	6.995733	6.857751	7.148703	7.143112	7.202124	7.729286	7.970077	7.924656	7.657966	8.17449	8.00717
EMILIN2	EMILIN2	8.326744	9.70134	9.986721	10.08428	10.20587	11.15876	10.74249	10.50403	10.00861	10.21258	9.184942	9.699149
EMILIN3	EMILIN3	7.140463	7.191752	6.914012	7.061337	6.946849	7.103847	7.013883	6.902277	7.144191	6.820204	6.797719	6.777552
EML1	EML1	8.377313	8.786662	7.720777	8.302747	8.542958	7.834358	8.315874	8.641601	8.446031	8.726465	8.783187	8.773123
EML3	EML3	9.959625	9.611764	9.687384	9.954164	10.12608	9.309747	9.202961	8.998846	9.308998	8.716745	8.798452	8.983207
EML4	EML4	10.53542	10.98613	10.66952	11.22768	10.76787	9.717981	9.08553	8.88348	9.192703	8.400241	8.165875	8.182321

EML5	EML5	6.928127	7.17408	6.865616	7.091404	6.982611	6.972816	6.932282	6.968843	7.000695	6.947896	6.831849	6.905658
EMP1	EMP1	7.047608	7.796378	7.499458	8.360503	7.6542	8.338737	8.050562	8.532825	8.986296	8.486046	10.69411	9.890572
EMP2	EMP2	7.080874	7.370839	7.035866	7.186961	7.151543	7.290986	7.073072	7.157756	7.08665	7.245073	6.933456	7.078632
EMP3	EMP3	9.541432	11.78936	10.08012	11.05111	11.61993	11.37372	11.4871	11.79671	11.79691	11.98337	12.63694	11.41724
EMR1	EMR1	6.902121	6.942537	6.826714	6.929112	7.011596	6.952098	6.707881	6.775482	6.754822	6.849196	6.691021	6.769129
EMR2	EMR2	7.228696	7.258931	6.877611	7.078442	6.823897	7.070448	7.02015	7.091008	7.074846	6.970147	6.872776	6.890001
EMR3	EMR3	6.777682	7.001296	6.870204	7.066749	6.87129	6.908994	6.857962	6.912994	6.892718	6.884628	6.721802	6.825205
EMR4	EMR4	6.898109	7.075152	6.822109	6.978429	6.909698	6.892005	6.873826	6.898043	6.948441	6.972921	6.768947	6.849539
EMX1	EMX1	7.162174	7.038444	7.016053	7.089309	6.920938	6.956047	6.840407	6.929388	6.89241	6.897564	6.68565	6.873618
EMX2	EMX2	6.918317	7.090914	6.912643	7.06082	6.943829	7.105626	6.880181	6.969859	7.098022	6.952085	6.8515	6.893721
EN1	EN1	6.958293	7.114267	6.944009	7.061602	7.096795	7.096642	7.013832	6.996815	7.003542	7.027662	6.976601	6.956364
EN2	EN2	6.805502	7.11294	6.784836	6.98021	6.919104	7.027056	7.013938	6.861679	6.814243	6.879694	6.752801	6.827529
ENAH	ENAH	8.741987	8.807045	8.083698	9.099681	8.935233	8.620813	8.314318	8.441894	8.516252	8.19638	7.915999	7.844727
ENAM	ENAM	6.743457	6.978831	6.674346	6.986177	6.944642	6.938009	6.924118	6.945897	6.832225	6.90815	6.852768	6.948429
ENC1	ENC1	8.043989	8.447226	10.92141	10.73899	10.07849	9.649276	8.719203	9.0111	9.880697	8.643141	9.527361	8.763593
ENDOG	ENDOG	7.884149	8.063648	8.071652	8.342985	8.804223	10.10233	9.551602	9.643649	9.43661	9.558488	9.370032	9.170445
ENDOGL1	ENDOGL1	7.98641	8.074014	7.658207	7.298373	7.50717	7.520575	7.393791	7.372669	7.498021	7.837645	8.38679	8.166436
ENG	ENG	7.121082	7.418299	6.961454	7.205838	7.852587	8.294952	8.052898	7.914462	7.757064	7.836909	8.01688	7.877341
ENO1	ENO1	14.42535	14.52637	14.14401	14.26274	14.14384	13.53724	12.8919	13.15785	13.1842	12.98182	13.71937	13.68773
ENO2	ENO2	9.887511	9.887439	8.76503	8.433352	8.98582	8.741954	8.85825	9.155863	9.418626	9.322889	9.938682	10.55155
ENO3	ENO3	8.462967	8.82558	8.365074	10.69708	11.4959	13.66767	13.58374	13.77332	13.63616	13.91786	13.4761	13.6303
ENOSF1	ENOSF1	8.766845	9.688935	9.312739	9.03818	9.259672	9.298522	9.261956	9.061779	8.853147	8.74723	7.884467	8.040617
ENPEP	ENPEP	6.852602	7.113166	6.942934	7.185525	6.95384	6.9999	6.85812	6.974221	6.906271	6.875614	6.753373	6.836883
ENPP1	ENPP1	8.191055	8.932314	7.944367	7.825168	7.329395	7.407666	7.243185	7.168975	7.245003	7.238808	7.172743	7.468338
ENPP2	ENPP2	6.983267	7.391029	8.863109	8.666917	8.737124	7.178353	7.102536	7.435487	8.720156	7.285409	6.998881	7.293647
ENPP3	ENPP3	6.882191	7.050764	6.728004	7.097577	6.986877	7.236961	7.070031	7.112813	6.9674	6.980378	6.728438	6.919682
ENPP4	ENPP4	7.517054	7.668999	7.32107	7.783796	7.685397	8.375155	8.136369	8.456687	8.213506	8.313751	8.336529	8.276048
ENPP5	ENPP5	8.009165	8.330477	7.371453	7.254381	7.17144	7.404372	7.364149	7.40484	7.474504	7.609559	7.449519	7.975303
ENPP6	ENPP6	6.80001	7.04742	6.699723	7.006	6.877848	6.96402	6.761676	6.891335	6.956323	6.979134	6.639995	6.765841
ENPP7	ENPP7	6.888806	7.069102	6.857251	7.139548	6.989431	7.111791	6.837374	6.959065	6.936193	7.026595	6.872167	6.928188
ENSA	ENSA	9.419339	10.49277	9.437183	8.995434	8.696724	8.82837	8.376903	8.352743	8.456335	8.534475	8.315298	8.163544
ENTH	ENTH	10.61918	10.96341	10.47844	10.80429	10.78824	11.23403	10.34042	10.61928	10.31636	10.33277	10.65001	10.25568
ENTPD1	ENTPD1	7.035939	7.449552	7.137755	7.358066	7.335824	7.26908	7.192067	7.26003	7.235104	7.34113	7.12894	7.150989
ENTPD2	ENTPD2	6.894345	7.049838	6.801653	6.923892	6.80345	6.879597	6.853686	6.818257	6.778107	6.871744	6.754913	6.774473
ENTPD3	ENTPD3	7.107834	7.170566	6.881957	7.814054	8.289201	7.238765	7.010615	6.982788	6.986241	7.003504	6.874461	6.887573
ENTPD4	ENTPD4	7.992714	8.334656	8.186223	9.248841	8.652848	8.971899	8.530712	8.458339	8.556459	8.352721	8.070199	8.645667

ENTPD5	ENTPD5	7.017597	7.292482	6.94782	7.322068	7.237135	7.251891	7.143655	7.356549	7.13516	7.347349	7.075337	7.252385
ENTPD6	ENTPD6	7.876447	8.405053	7.988166	8.250021	8.329942	9.19499	8.41385	8.708887	8.334322	8.445787	8.374716	7.982713
ENTPD7	ENTPD7	7.273049	7.760757	7.373354	7.500039	7.25953	7.438619	7.075219	7.212491	7.105576	7.17734	7.213544	7.116065
ENTPD8	ENTPD8	6.82322	7.057858	6.842374	7.082839	6.980864	7.006287	6.88049	6.977318	6.959655	6.9117	6.751507	6.844076
ENY2	ENY2	12.45113	12.76417	12.41476	11.99597	11.91786	12.22975	11.69	11.7409	11.96384	11.73787	11.83696	10.89347
EOMES	EOMES	6.907377	7.402946	12.15103	7.971878	6.953589	6.899159	6.942109	6.983959	6.87677	6.88447	6.927349	6.884794
EP300	EP300	8.940275	9.217096	8.779379	8.771792	8.735644	8.612806	8.098712	8.095083	8.106146	8.246688	8.132975	8.395259
EP400	EP400	9.511798	9.284845	9.118635	9.642924	9.467487	9.107753	8.664144	8.95499	8.931567	8.665351	8.541395	8.329358
EP400NL	EP400NL	6.88621	7.040795	6.821852	7.105859	6.935724	6.931078	6.809687	6.987399	6.966818	6.91322	6.740819	6.887549
EPAG	EPAG	6.869331	7.008035	6.889874	6.999045	6.813333	7.010874	6.891541	6.937674	6.956092	6.871899	6.672204	6.761532
EPAS1	EPAS1	7.087839	8.157116	8.559249	9.877652	10.30199	9.181409	8.788824	9.092058	9.11397	9.063799	9.308394	8.944432
EPB41	EPB41	7.180132	7.38808	6.970966	7.199025	7.081102	7.085793	6.935165	6.942941	6.954214	7.024258	6.828794	6.977674
EPB41L1	EPB41L1	6.954479	7.106155	6.906703	7.163936	7.06603	7.339226	7.169565	7.293263	7.195644	7.204638	6.982294	7.111181
EPB41L2	EPB41L2	8.575512	8.875135	8.598942	8.780409	8.054078	7.339179	7.130946	7.248454	7.375305	7.269536	7.357401	7.362028
EPB41L3	EPB41L3	8.575004	8.716315	10.62087	10.03711	10.56152	11.74543	10.85463	11.05001	10.63091	10.63299	10.33764	9.860023
EPB41L4A	EPB41L4A	7.104954	7.299902	7.065335	7.121029	7.145882	7.525427	7.343876	7.40115	7.242967	7.268502	7.128811	7.120801
EPB41L4B	EPB41L4B	7.50236	7.589118	6.940042	7.24388	7.173041	7.221967	7.147559	7.122109	7.143323	7.164832	6.957112	7.132772
EPB41L5	EPB41L5	8.628308	9.095511	9.081322	10.54882	10.28744	9.616851	8.88997	8.756275	8.557151	8.232043	7.953099	7.856827
EPB42	EPB42	6.80619	6.98037	6.702727	6.960108	6.962253	6.84507	6.940007	7.159088	7.256228	6.87367	6.807009	6.746836
EPB49	EPB49	6.866531	7.185132	6.885957	7.070302	6.967762	7.051182	7.126939	6.961298	7.009527	7.112955	6.980305	7.005502
EPC1	EPC1	7.421184	7.923919	7.907011	8.172596	7.937677	8.267268	7.579585	7.830085	7.76346	7.703476	7.502194	7.908824
EPC2	EPC2	7.04937	7.473511	7.163754	7.431977	7.42104	7.45287	7.312642	7.450149	7.30779	7.147857	7.10071	7.137516
EPDR1	EPDR1	9.187771	9.48387	8.709125	8.415049	8.503926	9.525211	10.23745	10.87522	10.36676	10.75694	11.17295	10.26314
EPGN	EPGN	8.527351	8.869835	8.010672	7.894696	7.858378	8.090878	7.917098	7.81777	7.91341	7.732298	7.512034	7.543103
EPHA1	EPHA1	10.30205	11.03524	9.441026	7.83972	7.388063	6.946771	6.834559	6.901426	6.897517	6.975371	6.711724	6.853428
EPHA10	EPHA10	6.984447	7.236422	6.936216	7.096083	6.978249	7.173035	6.964172	6.968769	7.064451	7.003463	6.83247	6.895014
EPHA2	EPHA2	7.692876	7.857954	8.145017	8.041869	7.565681	8.886221	7.892134	8.179074	7.874271	8.2073	8.500652	7.715279
EPHA3	EPHA3	6.853381	7.062455	6.7959	7.112641	7.31302	7.072353	7.170458	7.040507	7.06821	7.057973	6.819848	6.968562
EPHA4	EPHA4	7.602144	8.240195	9.711238	9.775157	9.598682	11.28116	10.46853	10.59482	10.41596	10.49454	9.755711	9.803644
EPHA5	EPHA5	6.914793	7.146611	6.832688	7.027901	6.919571	6.958548	6.918165	6.929648	6.970479	6.971007	6.844788	6.879641
EPHA6	EPHA6	7.020809	7.147111	6.988725	7.160314	7.097274	7.009136	6.926052	6.976025	6.962057	6.958131	6.918714	6.927812
EPHA7	EPHA7	6.836048	7.015561	6.739158	7.000626	6.823712	6.969165	6.949924	6.933495	6.94021	6.883359	6.733288	6.865348
EPHA8	EPHA8	7.135215	7.191455	6.92293	7.061078	6.991728	7.003177	6.953502	7.044711	6.974317	7.09248	6.934674	6.854368
EPHB1	EPHB1	7.755231	7.587317	7.152405	7.525928	7.244674	7.622014	7.047542	7.013163	7.659793	7.063325	6.955516	6.988109
EPHB2	EPHB2	7.157646	7.195742	7.16138	7.823683	7.443349	7.296297	7.161721	7.217815	7.23017	7.129159	7.196112	7.118592
EPHB3	EPHB3	7.115803	7.294325	7.878497	7.785497	8.027813	8.928535	8.385653	8.3044	8.183046	8.193374	7.879939	7.909387

EPHB4	EPHB4	10.12006	10.22177	9.698647	9.886338	9.432379	8.48319	8.466553	8.497684	8.599349	8.262608	8.592913	8.052475
EPHB6	EPHB6	7.597659	8.460418	7.773885	8.156193	7.718936	7.206941	7.079573	7.111197	7.067321	7.002857	6.900046	6.833694
EPHX1	EPHX1	7.50752	7.75471	7.445251	7.461305	7.228834	7.396294	7.17704	7.223998	7.21133	7.265751	7.292254	7.010292
EPHX2	EPHX2	7.952561	8.449731	7.524244	7.987532	7.988617	8.929264	8.608025	8.429629	8.589571	8.585128	7.976583	8.229863
EPIM	EPIM	7.117346	7.223589	6.991723	7.268471	7.131453	7.095326	6.892678	7.052918	6.959295	6.926738	6.874819	6.755826
EPM2A	EPM2A	7.034629	7.253898	7.018426	7.251245	7.224753	7.771681	7.525071	7.440476	7.320831	7.566238	7.244521	7.570956
EPM2AIP1	EPM2AIP1	8.342014	8.875783	8.927848	9.850731	10.48108	11.07521	10.44074	10.65709	10.31646	10.41149	9.821297	9.670543
EPN1	EPN1	12.651	12.6999	11.93835	12.20526	12.17018	12.1414	11.91561	12.03751	12.05809	11.94243	11.94875	11.90373
EPN2	EPN2	7.609405	7.766827	7.369231	7.640768	7.520392	7.871649	7.503322	7.531891	7.503578	7.612658	7.455017	7.529465
EPN3	EPN3	7.057201	7.347492	6.920115	7.07127	6.949318	7.086154	7.277604	7.451542	7.718985	7.680456	7.18105	7.568131
EPO	EPO	7.0194	7.183004	6.88386	7.018909	7.078378	6.900986	6.890637	6.945748	6.946861	6.870727	6.751523	6.861773
EPOR	EPOR	7.53393	7.541462	7.736753	8.296185	8.472309	8.987172	8.784364	8.525433	8.224403	8.147692	7.634358	7.586384
EPPB9	EPPB9	7.455926	7.671615	7.445242	7.376751	7.48927	7.962633	7.645969	7.55922	7.500463	7.473158	7.318537	7.291828
EPR1	EPR1	7.12685	7.226421	6.96894	7.280156	6.991207	7.161754	6.904416	6.917827	6.977931	6.93755	6.833658	6.906801
EPRS	EPRS	12.29275	12.90234	11.8514	12.04455	11.86446	12.27843	11.80332	11.94279	12.01756	11.59708	11.51258	11.78796
EPS15	EPS15	8.472166	8.84637	8.011042	8.643159	8.812895	9.21172	8.717162	8.843022	8.631319	8.47157	7.968407	8.191189
EPS15L1	EPS15L1	7.651647	7.876938	7.118386	7.835406	7.734395	8.097656	7.975136	8.162996	7.947741	8.011608	7.661659	7.674556
EPS8	EPS8	7.209915	7.541325	7.277448	7.526049	7.90043	8.411879	8.209384	8.094505	8.459831	7.976675	8.042287	8.105134
EPS8L1	EPS8L1	7.093136	7.289226	6.928292	7.127139	7.022698	6.995818	6.959844	7.010678	7.006225	6.982611	6.861896	6.89894
EPS8L2	EPS8L2	6.912655	7.119567	6.908429	7.08983	6.919125	7.041205	6.895357	6.970255	6.958291	6.943997	6.806681	6.895391
EPS8L3	EPS8L3	6.895155	7.18225	6.938003	7.150532	6.989769	7.146174	7.026293	7.029025	6.996483	7.048079	6.89459	6.944347
EPSTI1	EPSTI1	7.135581	7.344198	8.449592	9.385043	8.967484	9.09849	8.921404	8.426137	7.992299	7.991318	7.564651	7.429467
EPX	EPX	7.056925	7.183852	6.931986	7.198318	7.068923	7.06803	6.989595	7.02132	6.989369	7.068053	6.907022	6.925759
ERAF	ERAF	7.482346	7.656773	7.002101	7.152728	7.003019	6.991021	6.920398	7.070697	6.910827	6.930137	6.852365	6.890586
ERAL1	ERAL1	10.55832	10.57888	10.18046	10.25129	10.07317	10.32597	9.900599	10.10363	9.950526	10.04792	10.20947	9.7391
ERAS	ERAS	6.80588	6.994321	6.855353	7.080627	6.935722	6.956457	6.788546	6.823216	6.890158	7.005075	6.759068	6.885407
ERBB2	ERBB2	10.38196	10.96139	9.080355	9.277399	9.344615	10.20597	9.983279	9.986189	9.539755	9.883287	9.389185	9.367478
ERBB2IP	ERBB2IP	7.076905	7.541471	7.104658	7.463845	7.305649	7.422846	7.183854	7.268319	7.19775	7.2373	7.147946	7.150421
ERBB3	ERBB3	8.252851	8.875633	7.680809	7.567787	7.31319	7.269878	7.387701	7.354599	7.312653	7.365118	6.918666	7.002095
ERBB4	ERBB4	7.038435	7.374518	7.16908	7.331689	7.158301	7.439475	7.095644	7.216613	7.148016	7.093333	7.157059	7.055605
ERC1	ERC1	7.366604	7.45624	6.972557	7.596623	7.320324	7.71404	7.463397	7.410739	7.522507	7.567228	7.320267	7.652187
ERCC1	ERCC1	8.74259	9.536997	9.006928	9.564113	9.777007	10.17636	9.803117	9.837551	9.779078	9.928036	9.817912	9.608132
ERCC2	ERCC2	7.77147	7.766977	7.628646	7.867298	7.754758	7.6989	7.499505	7.522276	7.410034	7.499341	7.485867	7.47066
ERCC3	ERCC3	9.011878	9.299483	8.934108	9.287195	8.894554	9.089564	8.734263	9.07348	8.775661	9.019025	8.973941	9.206506
ERCC4	ERCC4	7.013044	7.321689	7.016948	7.212755	7.142055	7.238035	7.149991	7.229122	7.133593	7.171113	6.938763	7.107087
ERCC5	ERCC5	8.901924	9.313619	8.832756	9.364538	9.31035	9.531358	9.212459	9.337795	9.19483	9.194887	9.346539	9.225039

ERCC6	ERCC6	6.863721	7.196167	7.01739	7.182585	7.229562	7.29685	7.080121	7.232705	7.247997	7.160024	7.19481	7.160133
ERCC8	ERCC8	7.733418	7.866125	7.565773	7.628129	7.539131	7.810783	7.521725	7.589446	7.6279	7.512888	7.551647	7.38554
EREG	EREG	6.952636	7.096694	6.849469	7.076507	6.982124	7.035186	6.948091	7.010855	6.903722	6.856281	6.903706	7.087958
ERF	ERF	8.041846	8.979944	8.451926	8.767053	8.66951	8.935587	8.342038	8.254561	8.298359	8.176215	8.142063	7.720296
ERG	ERG	6.908241	7.136844	6.856844	7.078009	7.011405	7.138086	6.898165	6.921077	6.84516	7.025823	6.810663	6.898125
ERGIC1	ERGIC1	7.768063	8.213477	7.633637	8.010041	8.054356	8.10534	7.983061	7.908897	7.980265	8.053694	8.1361	8.195225
ERGIC2	ERGIC2	8.445704	8.944293	8.539835	8.672299	8.827514	9.164845	9.168322	8.897457	9.458814	9.204984	8.775415	9.12057
ERGIC3	ERGIC3	10.46411	10.89613	10.44601	10.84006	10.89127	10.56142	10.34794	10.58064	10.50772	10.51232	10.94367	10.5647
ERH	ERH	11.86629	12.5463	11.80698	11.88262	11.77803	12.25383	11.87703	11.6916	11.875	11.68122	11.27051	11.17318
ERICH1	ERICH1	9.986285	10.19172	9.533852	9.420014	9.277921	9.607597	9.137305	8.966269	8.916203	8.808469	8.747646	8.643439
ERLIN2	ERLIN2	7.132729	7.313119	7.127527	7.385877	7.214032	7.396608	7.204389	7.207149	7.113875	7.176951	7.005808	7.070602
ERMAP	ERMAP	7.047999	7.441247	7.151403	7.343474	7.409941	7.622302	7.430064	7.46068	7.383298	7.308391	7.234654	7.153617
ERN1	ERN1	7.208871	7.448396	7.0752	7.377095	7.478673	7.775048	7.390844	7.464806	7.489175	7.550443	7.301663	7.469956
ERN2	ERN2	6.913875	7.083574	6.819849	7.089234	6.895064	7.025463	6.96664	7.025128	6.922006	6.960799	6.890949	6.980329
ERO1L	ERO1L	8.409126	8.380935	8.068027	8.568073	8.790847	8.310696	8.240551	8.164284	8.211809	8.267753	8.797534	9.194469
ERO1LB	ERO1LB	6.982622	7.154134	6.939093	7.074733	7.011499	7.258189	6.987307	7.361096	7.091922	7.327517	7.236473	7.354429
ERP29	ERP29	12.05746	12.73163	11.67651	11.71424	11.63659	11.73648	11.48135	11.44709	11.48122	11.29484	11.4631	11.3732
ERRFI1	ERRFI1	10.4815	10.86515	10.85873	11.75336	11.25735	10.00179	9.663769	10.12624	10.24002	9.819581	10.54733	10.28709
ERV3	ERV3	7.008027	7.098956	7.028322	7.321857	7.264711	7.262973	7.225983	7.537775	7.340396	7.413372	7.291517	7.192314
ERVK6	ERVK6	6.877297	7.111069	6.863715	7.107103	6.911854	6.880416	6.873412	6.914417	7.016407	6.912034	6.732463	6.830478
ERVWE1	ERVWE1	7.016431	7.191549	6.983859	7.260875	7.194851	7.159415	6.990912	7.104011	7.037123	7.058258	6.832921	6.916099
ESAM	ESAM	6.86985	7.210928	7.186238	7.540652	7.814337	7.233223	7.088147	7.023184	7.035845	7.04701	6.860877	6.946303
ESCO1	ESCO1	8.127288	8.334134	7.704799	7.828202	7.711659	7.890773	7.780262	7.704648	7.70155	7.700478	7.421373	7.558796
ESCO2	ESCO2	7.154997	7.435494	6.94305	7.143594	7.100191	7.00157	7.039334	6.919592	6.959241	6.931837	6.74617	6.848793
ESD	ESD	10.27862	10.74032	10.29727	10.49779	10.77883	11.65638	11.16549	11.35528	11.48368	11.28712	11.21634	10.71874
ESM1	ESM1	6.816304	6.999947	6.76371	7.219784	7.522632	6.949268	6.89897	6.952579	7.093136	7.038755	7.123172	6.944704
ESPL1	ESPL1	8.838617	9.163911	8.773299	8.756939	8.384795	8.147533	7.850766	7.663073	7.825902	7.690873	7.616871	7.497724
ESPN	ESPN	7.543324	7.580236	6.996217	7.086483	6.979277	7.123708	6.860273	7.006395	7.033728	6.905616	6.919567	6.846651
ESPNL	ESPNL	7.144933	7.580196	6.992359	7.084684	7.210894	7.350413	7.159347	7.134757	7.220481	7.139342	6.886396	6.934477
ESPNP	ESPNP	6.809312	7.103897	6.772574	7.105123	6.948204	6.988085	6.845187	6.901655	6.898863	6.956694	6.772929	6.893537
ESR1	ESR1	6.813306	7.128503	6.7604	7.065091	7.085442	7.080294	6.919436	7.093395	6.90468	7.009363	6.781485	7.009278
ESR2	ESR2	6.828174	6.993602	6.889391	7.035996	6.904282	6.945157	6.82715	6.907123	6.82384	7.006579	6.829261	6.871821
ESRRA	ESRRA	8.104471	7.992878	7.739694	8.052654	8.064306	8.91993	8.632404	8.705408	8.5834	8.991383	8.841162	8.866455
ESRRB	ESRRB	6.929842	7.096243	6.852024	7.096311	7.079475	7.469927	7.144582	7.283585	7.261897	7.26777	7.209937	7.131655
ESRRG	ESRRG	7.073852	7.199385	7.131083	8.032328	7.939365	9.270135	9.12597	8.80505	8.590945	8.64698	8.1471	8.48655
ESSPL	ESSPL	6.809034	6.956759	6.763159	6.943169	6.937201	6.752169	6.863016	6.905354	6.853332	6.988832	6.762384	6.818402

ESTRRA	ESTRRA	7.643813	7.790857	7.506069	7.842676	7.858141	8.81105	8.560413	8.52396	8.552498	9.002046	8.716755	8.909673
ESX1	ESX1	6.856909	7.120861	6.786592	6.944667	6.952291	6.991968	6.760487	6.893352	6.847664	6.999704	6.754544	6.870115
ET	ET	8.243333	8.806882	8.291821	8.795653	9.296807	9.745453	9.502043	9.153295	9.055891	9.12146	9.044576	8.846972
ETAA16	ETAA16	7.109725	7.416268	7.01012	7.239439	7.143956	6.93515	7.013646	7.043688	7.145692	7.062867	6.888776	7.022002
ETF1	ETF1	11.04309	11.51607	10.8489	10.87421	10.79104	11.13033	10.57233	10.39158	10.5062	10.45525	10.12811	10.37138
ETFA	ETFA	11.28703	11.32349	11.0459	11.60317	11.75032	12.91799	12.41079	12.60448	12.54361	12.53233	12.50046	12.01624
ETFB	ETFB	9.418479	10.29739	9.541016	9.875932	10.49486	11.94472	11.59778	11.43496	11.26104	11.44055	10.79189	10.86567
ETFDH	ETFDH	8.480778	8.839541	8.088471	8.269554	8.987577	10.9155	10.12826	10.50966	10.21988	10.40917	10.38556	10.20302
ETHE1	ETHE1	7.042736	7.151068	6.910064	7.182666	7.094591	7.198604	7.072276	7.083092	7.111373	7.159202	6.953198	7.002542
ETNK1	ETNK1	7.878261	8.154523	7.922813	7.860163	7.661189	8.131499	7.695501	7.829362	7.711068	7.736445	7.845205	7.469357
ETNK2	ETNK2	7.654841	7.933145	7.619219	7.58758	7.447017	7.513595	7.398229	7.526904	7.634898	7.537682	7.67773	7.298947
ETS1	ETS1	9.71029	9.643137	9.479607	10.30123	9.938882	9.810226	9.312726	9.260454	9.338083	8.673927	9.331337	8.88124
ETS2	ETS2	9.535722	9.181302	9.337208	9.476351	9.229824	9.113115	8.383777	8.498393	8.597557	8.520259	8.591166	8.821478
ETV1	ETV1	7.073931	7.164044	6.844816	7.131101	7.039645	7.402017	7.044736	7.030082	6.860385	6.857565	6.843809	6.931719
ETV2	ETV2	7.033861	7.115925	6.956137	7.027257	7.059663	7.233925	7.092677	7.037093	7.173761	7.027482	7.0244	6.841308
ETV3	ETV3	7.376774	7.569761	7.315864	7.81369	7.649537	7.713958	7.256169	7.375191	7.297314	7.274967	6.941568	7.060167
ETV4	ETV4	9.26346	9.483279	8.896516	7.842057	7.171369	7.354257	7.095207	7.187172	7.169529	7.223984	7.442656	7.153525
ETV5	ETV5	8.755879	8.674438	9.338311	9.348834	8.425289	10.41735	9.620783	9.864785	9.240309	9.695678	9.883599	9.601764
ETV6	ETV6	8.657698	8.502022	8.054479	8.133357	8.144738	8.325822	8.216889	8.219081	8.076937	8.144457	7.885329	7.849685
ETV7	ETV7	7.016397	7.015941	6.798363	7.013793	6.872236	7.060278	6.913741	6.994159	6.946928	6.896943	6.725183	6.906523
EVA1	EVA1	7.495129	7.615044	7.133846	7.330319	7.247545	7.061251	6.948424	7.023135	7.421213	6.991711	6.786174	6.900745
EVC	EVC	7.055162	7.223542	7.017352	7.30015	7.258689	7.255976	7.10114	7.178683	7.192972	7.272508	7.169748	7.105103
EVC2	EVC2	7.257178	7.467399	7.233822	7.240024	7.178493	7.311792	7.14079	7.107026	7.058901	7.146612	6.950078	7.059663
EVI1	EVI1	6.882971	7.146799	7.323311	9.154284	8.961155	8.441636	8.337864	8.357241	7.841062	7.657089	8.527866	7.966812
EVI2A	EVI2A	6.82855	7.026233	6.756441	6.993705	6.896459	6.954179	6.894058	6.947667	6.911385	6.893226	6.799536	6.774572
EVI2B	EVI2B	6.830345	7.087424	6.781078	7.052339	6.920316	6.984711	6.860974	6.952965	6.848593	7.076472	6.746205	6.922621
EVI5	EVI5	8.610825	9.208766	8.9233	9.415666	9.468291	9.426772	9.482872	9.015309	9.386644	9.025412	8.76434	9.188409
EVI5L	EVI5L	9.570927	9.156597	8.257195	9.055596	9.378264	9.816108	9.661634	9.789504	9.767928	9.775317	9.363131	9.808027
EVL	EVL	11.87915	11.60507	11.36086	12.54932	12.47349	12.26929	12.3712	12.3862	12.54599	12.32384	11.62729	11.44095
EVPL	EVPL	6.892968	7.141148	6.884531	7.005439	7.09225	7.00013	6.8619	6.999294	6.903245	6.980781	6.802908	6.941578
EVX1	EVX1	6.986178	7.039722	6.888057	7.006966	6.835072	6.949751	6.845131	7.016932	6.904091	6.813648	6.81359	6.918503
EVX2	EVX2	6.800342	6.997679	6.729897	7.079582	6.74825	6.908675	6.82244	6.991707	6.972694	6.803257	6.732339	6.78159
EWSR1	EWSR1	11.33118	11.67592	11.15804	11.38651	11.14362	11.56473	10.95075	10.88052	10.78811	10.79158	10.4146	10.17191
EXDL1	EXDL1	6.876592	7.001478	6.841862	7.114766	6.965121	6.911118	6.810211	6.960552	6.94937	6.911897	6.825016	6.694627
EXDL2	EXDL2	8.846721	9.422182	8.427685	8.78354	8.826116	9.69804	9.342486	9.414728	9.044666	9.108113	9.120139	8.837605
EXO1	EXO1	8.793105	9.321321	8.63699	8.787955	8.27701	7.899776	7.587219	7.539352	7.403459	7.414203	7.007732	6.951887

EXOC1	EXOC1	7.733237	8.182769	7.963246	8.165571	8.09747	8.670127	8.083333	8.158776	8.181247	8.092579	8.126483	8.04371
EXOC2	EXOC2	8.624481	8.921856	7.9261	8.447029	8.16988	9.270079	8.790123	8.965102	8.717065	8.806244	8.594039	8.547312
EXOC3L	EXOC3L	6.82216	7.073806	6.865907	6.928857	7.021671	6.923111	6.819794	6.966483	6.822848	6.991032	6.75578	6.867369
EXOC4	EXOC4	7.462633	7.874899	7.69129	7.892276	7.642825	7.60469	7.478128	7.690901	7.537662	7.306022	7.155446	7.2248
EXOC6	EXOC6	7.306792	7.575751	7.27909	7.767124	7.51414	8.073392	7.766373	7.771582	7.691471	7.744415	7.484524	7.534633
EXOC7	EXOC7	8.978996	9.672973	9.450813	9.736219	9.626026	9.736653	9.516733	9.536345	9.501303	9.421396	9.220768	9.013708
EXOC8	EXOC8	6.924369	7.184997	6.937956	7.19973	7.129172	7.141883	7.021812	6.942382	6.984132	7.059703	6.822716	7.057983
EXOSC1	EXOSC1	10.38605	10.99678	10.22022	9.98676	9.915476	10.8057	10.0566	10.17452	10.14114	10.09465	9.976613	9.721313
EXOSC10	EXOSC10	10.24398	10.6015	10.29182	10.5533	9.94303	10.23929	9.709034	9.559203	9.652716	9.493338	9.132637	9.169327
EXOSC2	EXOSC2	9.64938	9.8996	9.202938	9.235294	9.176014	9.467652	8.801355	8.813635	8.656043	8.724684	8.381087	8.275456
EXOSC3	EXOSC3	10.76351	11.51562	10.58384	10.30249	9.724419	9.971201	9.343729	9.176208	9.431078	9.107112	9.264861	9.062036
EXOSC4	EXOSC4	8.772283	9.192782	8.288989	8.448848	8.595345	9.042875	8.641497	8.64749	8.642545	8.685491	8.680436	8.405627
EXOSC5	EXOSC5	9.517408	10.03345	9.058428	8.719767	8.368043	8.931639	8.175105	8.141121	8.056646	8.184678	8.035892	7.870052
EXOSC6	EXOSC6	10.43406	10.9703	10.45255	10.26914	10.09225	10.37768	9.792212	9.63536	9.634422	9.676882	9.364344	9.552291
EXOSC7	EXOSC7	10.73025	11.0475	10.20265	10.17538	10.00163	9.752852	9.137785	9.173164	9.306204	9.22072	9.430849	9.455867
EXOSC8	EXOSC8	11.09914	11.7807	11.08885	10.8714	10.72851	11.06397	10.47313	10.12301	10.67906	10.29843	9.582956	9.873325
EXOSC9	EXOSC9	9.787897	9.992791	9.624139	9.383886	8.960689	9.617071	9.018425	9.121534	9.180039	9.322641	8.907932	8.833239
EXPH5	EXPH5	7.879614	8.10733	7.413579	7.936711	7.490029	7.505106	7.190059	7.205469	7.254217	7.075341	6.909963	6.978344
EXT1	EXT1	8.217383	8.766823	8.496635	9.571824	9.310299	9.232881	8.938187	9.493983	9.419452	9.008361	9.870962	9.189297
EXT2	EXT2	8.62332	9.182911	8.77462	9.509081	9.356458	8.592883	8.38972	8.491051	8.818191	8.449862	8.788043	8.735165
EXTL1	EXTL1	7.12204	7.335704	6.879579	7.299952	7.201453	7.759301	8.086824	8.349359	8.050115	8.597046	7.890449	7.88658
EXTL2	EXTL2	9.781106	10.06155	9.877604	9.998101	9.622028	9.425707	9.056551	9.201967	9.004168	8.788127	9.043269	8.786385
EXTL3	EXTL3	9.107356	9.968394	8.606771	9.122334	9.047873	9.920994	8.911046	9.104468	8.804991	8.85373	8.830785	8.822092
EYA1	EYA1	6.835723	7.119201	7.3093	7.256856	7.116758	6.986057	7.012527	7.156435	7.114466	7.184077	6.884663	6.942566
EYA2	EYA2	6.991017	7.126112	6.972471	7.119628	7.063267	7.051047	6.889062	6.955656	7.06139	7.003662	6.795235	6.877931
EYA3	EYA3	7.199793	7.37066	7.133477	7.393334	7.018931	7.291827	6.953196	7.095334	7.056698	6.982171	6.877456	6.886229
EYA4	EYA4	6.896658	7.029616	6.822302	7.047002	7.010378	7.057261	7.045953	7.243846	7.332671	7.410145	7.125663	7.460917
EZH1	EZH1	7.120777	7.332102	6.982795	7.19872	7.162821	7.232427	7.164052	7.139765	7.222915	7.203193	6.939124	7.14551
EZH2	EZH2	8.850196	9.278434	8.82907	9.188308	8.576778	8.130111	7.788649	7.810861	7.88957	7.652741	7.409757	7.243278
F10	F10	6.918619	7.158051	6.858207	7.2205	7.20808	7.220143	7.064503	7.269495	7.191068	7.103942	6.9408	7.0062
F11	F11	6.925548	7.062053	6.940493	7.04172	6.902155	7.0027	6.869113	6.94675	6.983401	6.918619	6.775602	6.916004
F11R	F11R	9.309339	10.05265	8.991873	8.73376	8.252098	8.772566	8.647309	7.902839	8.368089	7.952844	7.439297	7.95063
F12	F12	8.188328	7.894692	7.206163	7.335739	7.380037	7.370649	7.131074	7.325809	7.462594	7.301175	7.478193	7.054388
F13A1	F13A1	6.858685	6.903446	6.867289	7.01085	6.8156	6.819791	6.859279	6.870933	6.690565	6.820186	6.728006	6.797569
F13B	F13B	6.814605	6.966901	6.713108	6.967605	6.835367	7.021433	6.811993	6.764909	6.849113	6.918928	6.714619	6.754336
F25965	F25965	7.049206	7.230822	6.843747	7.378674	7.309487	7.406661	7.386331	7.447068	7.482269	7.427423	7.456531	7.205976

F2R	F2R	14.04878	14.42652	14.02009	14.4576	14.24861	14.11963	14.2846	14.14417	14.25396	14.16178	13.70861	14.07344
F2RL1	F2RL1	9.611045	10.28155	9.880527	9.872269	8.495648	8.403016	7.451474	7.289313	7.485376	7.369228	8.320118	8.284733
F2RL2	F2RL2	6.842994	7.04663	6.847982	7.278893	7.19415	7.014242	6.933706	6.994729	7.077141	6.963041	7.133784	7.264943
F2RL3	F2RL3	7.029842	7.126394	7.025396	7.158397	7.087926	7.160918	6.966044	7.06991	6.971188	7.071087	6.944875	6.918044
F3	F3	7.21991	7.803348	7.753833	7.668125	7.705343	7.150125	7.040229	7.118867	7.120519	7.206206	7.124765	7.201713
F5	F5	7.070669	7.396926	7.063539	7.366607	7.227325	7.340914	7.438096	7.399724	7.428355	7.408708	7.224979	7.253621
F7	F7	6.965016	7.122975	6.852987	7.113535	6.940181	7.01931	6.976172	6.975557	6.948331	7.023041	6.848984	6.853576
F8	F8	6.894656	7.04463	6.912269	7.051741	6.972578	6.990704	6.907165	6.939975	6.912973	6.905058	6.748788	6.890477
F8A1	F8A1	7.794274	8.09899	7.399056	7.569534	7.41412	7.759606	7.568278	7.873424	7.683305	7.883898	7.976121	7.942552
F8A3	F8A3	7.016501	7.126265	6.949864	7.17721	6.965998	7.074421	6.997333	7.104806	6.977286	7.061973	6.86205	6.860924
F9	F9	6.940563	7.135116	6.927232	7.124774	7.090224	7.009828	6.996606	7.023544	6.902186	7.07395	6.981606	6.985649
FA2H	FA2H	6.938801	7.097762	6.747595	7.007737	6.96824	6.997077	6.779667	6.887483	6.886293	6.884714	6.761303	6.738571
FAAH	FAAH	7.688225	7.884457	7.447816	7.546658	7.640675	7.852058	7.618355	7.656385	7.708016	7.747845	7.242557	7.149367
FABP1	FABP1	6.886904	7.050941	6.874997	6.99791	6.88923	6.877284	6.795112	7.034667	6.951784	6.929776	6.803	6.803328
FABP2	FABP2	6.927711	7.07309	6.840867	7.113777	7.196378	7.888899	7.626997	7.304208	7.178627	7.046633	6.911451	7.049569
FABP3	FABP3	7.388666	7.608963	7.029186	7.575476	8.571139	10.2983	10.93956	10.59529	11.21401	11.46335	10.7069	11.21175
FABP4	FABP4	6.840443	7.156417	6.800652	7.159141	7.009549	7.107855	6.839989	6.911329	6.877337	6.954873	6.917372	6.83667
FABP5	FABP5	10.08862	11.07899	10.73295	10.0232	9.193389	8.97201	8.797731	8.479247	8.570831	8.34677	8.642059	7.640661
FABP5L3	FABP5L3	7.040801	7.257922	6.9534	7.147273	6.981312	7.024764	6.972781	7.045315	6.992414	7.053369	6.85583	6.788716
FABP6	FABP6	7.388727	7.432664	6.83321	6.971452	6.945384	6.957839	6.832743	6.924353	6.875576	6.891756	6.860475	6.8741
FABP7	FABP7	8.848087	8.633206	8.977132	8.02021	7.43427	7.50222	7.37852	7.338376	8.899209	7.372814	7.107265	7.16037
FADD	FADD	10.11795	10.4657	9.9157	9.768417	9.858245	10.15292	9.621041	9.426894	9.671593	9.540306	9.735542	9.447547
FADS1	FADS1	10.46051	10.34776	10.29988	10.59951	10.53182	10.60228	10.29586	10.31201	10.3368	10.29409	9.926601	10.16793
FADS2	FADS2	7.968826	8.02158	7.633344	7.823752	7.630022	7.657635	7.366232	7.530327	7.540928	7.482858	7.306772	7.251752
FADS3	FADS3	7.149705	7.459587	6.89936	7.115423	7.183073	7.267232	7.055818	7.109844	7.059734	7.306523	7.357556	7.177618
FADS6	FADS6	6.956123	7.293048	6.907873	7.234202	6.921768	7.120125	6.97915	7.050044	6.968104	6.970498	6.963381	6.906271
FAF1	FAF1	8.800932	9.189208	8.727473	9.051885	8.58909	9.315671	8.774621	9.072402	8.798004	9.22641	9.191541	9.151663
FAH	FAH	8.010567	8.635712	7.811591	8.047	8.360845	9.039933	8.208272	7.92855	7.67379	7.697187	7.922168	7.911622
FAHD1	FAHD1	8.301208	8.962556	8.295043	8.699484	9.050785	10.21496	9.473448	9.206726	9.224231	9.328217	9.324398	9.281775
FAHD2A	FAHD2A	7.765565	8.239783	7.871465	7.804303	7.622562	8.147902	8.122356	7.88059	8.107977	8.103852	7.723729	8.204507
FAHD2B	FAHD2B	9.66652	9.850762	9.254976	9.142763	9.212344	9.905485	9.637612	9.631925	9.559815	9.720724	9.633149	9.577279
FAIM	FAIM	7.288953	7.649657	7.490085	7.516037	7.322813	7.356108	7.229392	7.307647	7.184589	7.203339	7.118944	7.040043
FAIM2	FAIM2	6.845712	7.138454	6.788173	7.069764	7.114323	6.940767	6.901342	6.999157	7.149642	6.927411	6.911045	6.930471
FAIM3	FAIM3	6.849462	7.145184	6.773937	7.003297	6.841016	7.113887	7.112667	7.263511	7.196315	7.453298	7.621895	7.509271
FALZ	FALZ	7.462757	7.687046	7.212373	7.538745	7.492943	7.583499	7.389344	7.454974	7.455941	7.416975	7.32723	7.538568
FAM100A	FAM100A	7.896367	8.350944	7.686478	7.723529	7.534843	8.211459	7.678963	8.041355	7.760992	7.968926	8.261302	7.515849

FAM100B	FAM100B	7.29825	7.678956	7.427535	7.436132	7.171328	7.768409	7.343141	7.442252	7.211342	7.611051	7.333721	7.2417
FAM101A	FAM101A	7.230823	7.257626	6.965018	7.04845	7.067157	6.864677	6.934656	6.937654	7.013457	6.908937	6.922008	6.849446
FAM101B	FAM101B	8.1965	8.092978	7.145459	7.356713	7.334842	7.362304	6.919053	7.167826	7.288571	7.178646	7.134211	7.147685
FAM102A	FAM102A	8.0528	8.57707	7.771388	8.30341	7.852933	8.013076	7.892756	7.971501	7.998682	7.916804	7.673575	7.586544
FAM102B	FAM102B	8.358782	8.736512	7.933098	8.201662	7.844978	8.003282	8.148879	8.215676	8.01763	8.331411	7.978188	8.090208
FAM103A1	FAM103A1	8.833905	9.613282	9.032357	9.332969	9.46676	10.20594	9.987827	9.466925	9.941808	9.577472	9.274651	9.566241
FAM104A	FAM104A	10.3184	10.76577	10.24396	10.70198	10.32909	10.56432	10.01166	9.895903	10.05891	9.794724	9.726325	10.00707
FAM105A	FAM105A	7.25466	7.46867	7.012589	7.387977	7.275058	7.206084	7.246551	7.202424	7.278903	7.062096	7.054677	7.015568
FAM105B	FAM105B	8.189717	8.726107	8.296544	8.481919	8.265054	8.463189	8.188066	8.301261	8.177078	8.134492	7.993929	7.860011
FAM106A	FAM106A	6.906148	6.959355	6.845408	6.981661	6.924488	6.975853	7.007246	6.844289	6.905171	7.068403	6.7862	6.778082
FAM106B	FAM106B	6.873735	7.024713	6.663545	7.040078	6.864776	7.156343	6.750604	6.831874	6.823265	6.915855	6.789669	6.754382
FAM107A	FAM107A	6.895239	7.058143	6.813019	6.937499	6.877665	7.217113	6.931568	7.030583	6.958122	7.276262	7.274017	6.960508
FAM107B	FAM107B	9.228152	9.779318	9.767983	10.7827	11.25973	9.553809	9.121215	8.975177	9.048695	8.186567	8.261629	8.633922
FAM108A1	FAM108A1	6.819521	7.066351	6.811227	6.966742	6.854028	6.906758	6.888231	6.971079	6.848287	6.940449	6.773532	6.836613
FAM108A2	FAM108A2	7.341462	7.459504	7.286077	7.582964	7.571476	8.080423	7.899941	8.325314	7.861688	8.175657	8.276212	7.594917
FAM109A	FAM109A	7.34091	7.608081	7.487959	7.760211	7.594114	7.394647	7.360083	7.561746	7.468745	7.529332	7.436942	7.451669
FAM109B	FAM109B	6.990586	7.267049	6.882457	6.969177	6.987102	6.870259	6.797484	6.831803	6.801724	6.845671	6.860129	6.80223
FAM10A4	FAM10A4	9.613504	9.987132	9.666154	9.908335	9.619626	9.532499	9.241393	9.07532	9.374551	9.204621	9.198038	9.294828
FAM10A6	FAM10A6	6.850715	7.075887	6.864353	7.013193	6.980789	7.02908	6.848709	6.982717	6.935562	6.978735	6.749806	6.841454
FAM10A7	FAM10A7	7.939349	8.313799	7.847592	8.399558	8.198266	8.320897	7.902271	8.122293	7.947642	8.003152	8.012659	8.024381
FAM110C	FAM110C	7.049586	7.22187	6.88065	6.939214	6.911	7.023097	6.966117	6.973487	6.845712	6.881345	6.754097	7.011124
FAM111A	FAM111A	9.378005	9.775232	8.032313	8.232872	8.2444	7.992872	8.061557	8.034378	8.249649	8.157665	7.716292	8.036969
FAM111B	FAM111B	7.438606	7.678995	7.212801	7.353584	7.155228	7.326445	7.246444	7.285218	7.212522	7.352647	7.065827	7.107513
FAM112A	FAM112A	6.851274	7.115163	6.861181	7.053157	6.934363	7.082575	6.799908	6.933217	6.872684	6.950694	6.810793	6.889243
FAM112B	FAM112B	6.917504	7.242304	6.875344	6.897354	7.047508	7.10025	6.837176	6.914197	6.750748	6.820362	6.772847	6.797261
FAM113A	FAM113A	7.821806	8.125765	7.65291	8.299868	8.535107	8.26756	8.242099	8.175774	8.366846	8.129264	7.710002	7.715906
FAM113B	FAM113B	8.490946	8.675779	8.919822	9.780782	8.739172	7.410432	7.132387	7.447371	7.498943	7.339327	7.561031	7.468016
FAM119A	FAM119A	9.58892	10.33006	9.818514	10.44689	10.37236	10.23939	10.27979	9.957443	10.06177	10.02683	9.797529	10.15552
FAM11A	FAM11A	8.10209	8.25158	8.951007	9.344936	9.348807	10.06366	9.369701	9.476837	9.424129	9.463221	9.238562	8.846307
FAM120A	FAM120A	11.17364	11.59159	10.46701	10.97155	10.97094	11.29206	11.47554	11.48171	11.66753	11.58379	11.42157	11.56501
FAM120C	FAM120C	7.009652	7.032472	6.810443	7.03684	6.868114	7.007289	6.768556	6.861668	6.869855	7.022011	6.789515	6.827414
FAM122A	FAM122A	6.971835	7.225572	6.901676	7.214272	7.173564	6.971032	6.94706	6.864729	7.016418	7.005146	6.960163	7.045073
FAM122B	FAM122B	9.067562	9.274632	9.40103	9.229734	8.993682	8.791109	8.597143	8.791604	8.536268	8.750009	8.909702	8.628008
FAM122C	FAM122C	6.936754	7.209893	6.97132	7.022637	6.940994	7.114306	6.851461	7.060167	6.959491	7.03779	6.814476	6.857402
FAM123A	FAM123A	6.940871	7.389646	7.049264	7.070218	6.957089	7.037156	6.98536	6.943433	7.326922	7.047765	6.783092	6.870501
FAM125A	FAM125A	9.52473	10.187	9.370527	10.25729	10.25499	10.26626	9.94727	9.845217	9.78943	9.805941	9.668569	9.637018

FAM125B	FAM125B	6.844053	7.140359	6.880972	7.12769	6.996287	7.089379	6.885731	6.952041	6.892681	6.934083	6.798547	6.938407
FAM126A	FAM126A	7.108898	7.437838	7.148991	7.199525	7.09348	7.041976	6.910211	7.021973	6.948825	6.937345	6.967215	6.890926
FAM126B	FAM126B	7.286433	7.620169	7.697559	7.926529	7.729029	8.129002	7.764352	7.809339	7.680534	7.635322	7.309835	7.400704
FAM127B	FAM127B	7.407008	7.653746	7.286962	7.605267	7.713487	8.359822	8.019091	8.088606	8.010668	8.224197	8.31775	8.046649
FAM127C	FAM127C	7.113057	7.387339	7.1149	7.401153	7.382898	8.48209	8.232491	8.397362	8.306811	8.398952	8.455496	7.927662
FAM129B	FAM129B	7.350004	7.562018	7.147581	7.506384	7.42791	7.364637	7.431587	7.412857	7.430771	7.44213	7.927182	7.660589
FAM12A	FAM12A	7.083223	7.195577	6.862078	7.246101	7.10325	7.134423	7.032236	7.07463	7.051799	7.101342	6.932662	7.026338
FAM12B	FAM12B	6.882534	6.888764	6.780404	6.991706	7.038706	6.989261	6.918421	6.970249	6.913747	6.859459	6.848258	6.80953
FAM130A1	FAM130A1	8.395578	8.759552	8.961341	9.330332	9.098682	9.14615	8.594727	8.827996	8.810124	8.49741	8.658212	8.460642
FAM130A2	FAM130A2	7.341678	7.345947	7.223127	8.476989	8.452271	8.971042	8.541937	8.225424	8.723076	8.078691	7.300961	7.537894
FAM13A1	FAM13A1	7.429588	7.775655	7.813465	8.248054	8.313996	8.283039	7.781518	7.663313	7.667834	7.449284	7.089744	7.350572
FAM13C1	FAM13C1	6.867823	6.950809	6.798112	6.963205	6.977786	7.055173	6.935527	7.03351	6.917187	6.892066	6.862536	6.881782
FAM14A	FAM14A	7.758674	8.787052	8.497893	9.348948	9.553201	10.58507	10.73427	9.755268	10.49778	10.48748	9.936354	10.01693
FAM14B	FAM14B	7.122893	7.414797	7.182661	7.431666	7.414625	7.806344	7.6849	7.388689	7.563942	7.548204	7.330864	7.201143
FAM18B	FAM18B	8.477064	8.793518	8.402538	8.623774	8.606772	9.156513	8.786615	9.016027	9.249815	8.935164	9.520302	9.245685
FAM18B2	FAM18B2	7.6036	8.004465	7.560627	7.773571	7.818535	8.178827	7.74885	8.031857	8.095407	8.006567	8.385819	7.98202
FAM19A1	FAM19A1	6.763525	7.085525	6.761006	7.00381	6.772266	6.859037	6.79336	6.893673	6.893853	6.836216	6.676378	6.72347
FAM19A2	FAM19A2	6.963583	7.138452	6.931905	7.078801	7.138439	7.104861	6.958587	7.038703	7.037162	7.037444	6.878765	7.027079
FAM19A3	FAM19A3	6.900581	7.053773	6.854585	7.042761	6.968902	6.911168	6.82488	6.890382	6.856574	6.889183	6.748653	6.851905
FAM19A4	FAM19A4	7.426578	7.422117	7.06988	8.365169	7.379429	7.53977	7.118091	7.114338	7.040768	7.117004	6.9606	6.904171
FAM19A5	FAM19A5	7.012192	7.153249	6.970487	7.122467	6.941595	6.909297	6.911828	6.981607	6.962493	6.920175	6.943306	7.007764
FAM20A	FAM20A	6.830512	7.331631	7.180225	7.118138	7.040909	6.990991	6.99314	7.023904	6.888317	6.923114	6.751523	6.848318
FAM20B	FAM20B	9.766475	9.928872	9.90264	9.952557	9.974491	10.23886	9.834081	9.966296	9.777029	9.880813	9.690991	9.510927
FAM20C	FAM20C	7.688107	7.85293	7.327706	7.431438	7.200929	7.270542	7.210163	7.330013	7.397489	7.341384	7.465906	7.945578
FAM21B	FAM21B	6.980731	7.227764	6.992424	7.212564	7.073618	7.193246	7.061749	7.07331	7.054183	7.086173	6.943217	7.051932
FAM21C	FAM21C	7.351062	7.546533	7.239734	7.593823	7.362018	7.817569	7.258501	7.574905	7.373413	7.52724	7.390281	7.616817
FAM22A	FAM22A	6.782124	7.103577	6.89351	6.974241	7.000047	7.157048	7.087004	7.088455	7.051394	7.147876	7.078071	7.114654
FAM22B	FAM22B	6.949001	7.047364	6.853519	6.991642	6.982871	7.061375	6.981282	7.161492	7.046436	7.076549	6.937003	6.987903
FAM22C	FAM22C	6.994429	7.167571	6.867214	6.940861	6.94634	6.998172	7.016456	7.046719	6.980779	7.106297	6.882281	7.113093
FAM22F	FAM22F	7.071232	7.316937	7.066706	7.228227	7.145094	7.227752	7.020823	7.139226	7.032741	7.11844	7.018669	7.018634
FAM22G	FAM22G	6.89533	7.022912	6.766781	7.012605	6.96684	6.891613	6.823748	6.967336	6.936347	6.868144	6.81541	6.791019
FAM24A	FAM24A	6.875454	7.078277	6.668718	7.037115	6.92073	6.917956	6.831833	6.846387	6.807963	6.918992	6.790416	6.780521
FAM24B	FAM24B	6.879197	7.100113	7.265336	7.097799	6.911128	7.0281	6.88964	6.967107	6.941259	6.951981	6.748556	6.849252
FAM26A	FAM26A	6.778525	7.054528	6.778506	7.004753	6.815533	6.923853	6.930992	6.844432	6.869409	6.888532	6.674906	6.875964
FAM26B	FAM26B	6.918967	7.070481	6.85554	6.996395	6.979829	7.071746	6.93829	6.95335	6.834089	6.920145	6.858218	7.003277
FAM26C	FAM26C	7.778265	7.958417	7.732986	7.807773	7.640701	7.931079	7.753626	7.663775	7.781347	7.839941	7.566638	7.640182

FAM27L	FAM27L	6.98208	7.161734	6.917096	7.087267	7.108637	7.025814	7.066725	7.067171	7.095675	6.990358	6.909369	6.906881
FAM29A	FAM29A	7.115141	7.390666	7.049677	7.394555	7.110666	7.163897	6.951743	7.021098	6.995175	6.971825	6.782373	6.824775
FAM33A	FAM33A	8.96471	9.502824	9.215993	9.200449	9.09066	9.097767	8.839873	8.789705	9.228086	9.152985	8.842162	8.63617
FAM35A	FAM35A	7.712552	8.040883	8.013519	8.399427	7.894017	8.053709	7.648051	7.735678	7.825981	7.584249	7.399554	7.578086
FAM36A	FAM36A	7.817857	8.236081	7.682678	7.87532	8.028906	9.03684	8.865891	8.873668	9.119278	9.207072	8.842697	8.569856
FAM38A	FAM38A	8.857519	9.335806	8.396317	9.656021	9.268887	8.809904	8.246177	8.497371	8.411421	8.220107	9.284797	8.323656
FAM38B	FAM38B	7.999095	7.510439	7.639679	7.862446	7.43589	7.504942	7.822805	8.044251	8.457136	7.925762	7.99084	7.331957
FAM3A	FAM3A	9.248716	9.696462	9.12937	9.957012	10.28168	11.02301	10.72522	10.85827	10.62482	10.97558	10.93501	10.72856
FAM3B	FAM3B	7.02491	7.143491	6.799588	6.996912	7.003292	6.96778	6.881374	6.915779	6.919538	6.92516	6.713705	6.771579
FAM3C	FAM3C	8.944288	9.05367	8.969349	9.24813	8.91654	8.842959	8.394246	8.671228	8.638618	8.637697	8.688088	8.638187
FAM3D	FAM3D	6.909849	6.971274	7.017957	6.990748	6.994505	7.120162	6.818118	6.923484	7.020008	6.940381	6.937895	6.93805
FAM40A	FAM40A	8.063306	8.417166	7.805937	8.488935	8.307006	8.390992	8.234373	8.284008	8.260613	8.326674	7.846666	8.059597
FAM40B	FAM40B	8.063611	8.698345	8.297704	8.685337	8.801997	9.048431	9.152863	8.580792	8.747855	8.503307	7.925921	8.571941
FAM41C	FAM41C	6.952073	7.191255	6.797007	7.175168	6.988205	7.084855	6.988431	6.934396	6.89658	7.142015	6.827014	6.855917
FAM43A	FAM43A	7.879716	8.303162	8.427684	9.32569	9.270476	9.089566	8.880561	9.207767	9.397935	9.428896	9.860217	9.406643
FAM43B	FAM43B	7.348732	7.161768	6.832573	7.228138	7.086451	7.07367	7.136172	7.199892	7.201584	7.357641	7.644775	7.479188
FAM44A	FAM44A	6.922454	7.079808	6.932872	7.042588	6.962267	7.078943	7.034891	6.931095	6.923698	6.918653	6.73341	6.810722
FAM44B	FAM44B	12.06136	12.41052	11.64374	11.77001	11.67035	11.63952	10.88364	10.63426	10.95731	10.4512	10.18847	10.10999
FAM45A	FAM45A	10.03892	10.38897	10.04863	10.13024	9.594519	9.944883	9.702034	9.626824	9.736729	9.679308	9.320983	9.217727
FAM45B	FAM45B	6.911735	7.177418	6.920824	7.05789	7.10564	7.183154	6.992831	7.010036	6.822159	7.029682	6.824348	6.816953
FAM46A	FAM46A	8.912608	8.601501	8.727938	10.13387	10.66605	11.51403	10.79074	10.94715	10.56856	10.59374	10.4297	10.97862
FAM46B	FAM46B	10.6869	10.89385	8.369151	8.330846	8.099211	8.531468	7.55414	7.712277	7.414413	7.74384	7.370895	7.015859
FAM46C	FAM46C	7.41497	7.269585	9.34947	8.795004	8.912161	8.66972	7.244311	7.360521	7.660959	7.334245	7.136353	7.156014
FAM46D	FAM46D	6.91037	7.000017	6.855297	6.910371	6.873922	6.859743	6.883434	6.93874	6.827085	6.84479	6.777941	6.793705
FAM47A	FAM47A	6.831625	7.194054	6.785129	6.936825	6.941932	7.042544	6.842322	6.964019	6.950124	6.983101	6.873064	6.925064
FAM47B	FAM47B	6.840101	7.036518	6.815795	7.070625	6.946697	6.984741	6.905788	6.952435	6.951821	6.909867	6.804365	6.897127
FAM47C	FAM47C	6.865667	7.050961	6.801015	6.947084	6.904078	6.990019	6.934983	6.937466	6.86788	7.003706	6.824148	6.850785
FAM48A	FAM48A	7.98515	8.239741	7.793791	8.131672	7.977624	8.307276	7.916809	8.033951	7.82991	7.826508	7.641657	7.785398
FAM48B1	FAM48B1	6.991004	7.196162	6.87385	7.093498	7.001854	7.0658	6.874507	6.897319	6.902544	6.936972	6.805951	6.97673
FAM49A	FAM49A	7.135717	7.290045	6.975527	6.992521	6.865431	6.942693	6.957411	6.941004	7.014175	6.871987	6.777062	6.861387
FAM49B	FAM49B	8.725853	9.172544	8.640203	8.874679	8.492705	8.483728	8.388906	8.116925	8.281795	8.058266	8.001404	7.85064
FAM50A	FAM50A	11.5827	11.6667	11.22308	11.75178	11.47061	12.31648	11.78264	11.79991	11.92567	11.78537	11.548	11.69294
FAM50B	FAM50B	7.127792	7.433192	6.918441	6.975995	7.010308	6.946244	6.942149	6.950714	6.85651	6.921094	6.883072	6.998259
FAM51A1	FAM51A1	8.026437	8.120372	7.817843	7.761101	7.897621	7.989073	7.805763	7.889437	7.837699	7.897759	7.628063	7.643997
FAM53A	FAM53A	7.396198	7.534924	7.424059	7.378974	7.391995	7.272501	7.128883	7.018475	7.026918	7.04589	6.972147	6.89957
FAM53B	FAM53B	7.54278	7.700177	7.597242	7.711464	7.660267	7.925055	7.545686	7.607835	7.421841	7.657268	7.413616	7.663369

FAM53C	FAM53C	12.07079	12.38372	11.50591	11.68131	11.17837	10.81837	10.52452	10.41229	10.5931	10.42313	9.607478	10.51599
FAM54A	FAM54A	7.468783	7.860033	7.483402	7.544198	7.276366	7.393444	7.120783	7.135929	7.151302	7.157932	6.945867	6.982382
FAM55A	FAM55A	6.825976	7.037921	6.763658	7.011878	6.926832	6.847136	6.935199	6.916035	6.775082	6.929402	6.767864	6.829486
FAM55B	FAM55B	6.850463	6.925828	6.762964	7.048495	6.98424	7.017364	6.896026	6.913854	6.94904	7.074788	6.811213	6.751891
FAM55C	FAM55C	7.24049	7.187087	6.957406	7.11688	7.193707	7.168275	7.217593	7.158772	7.252431	7.206002	6.997229	7.408207
FAM55D	FAM55D	6.86413	7.010947	6.800113	7.02065	6.874605	7.033984	6.856833	6.924697	6.890942	6.824356	6.738493	6.794547
FAM57A	FAM57A	9.070429	9.261887	8.965293	9.415527	9.35274	8.859159	8.46813	8.535084	8.591772	8.233424	8.557998	8.470595
FAM57B	FAM57B	11.37461	10.96771	9.000232	7.963425	7.373266	7.448803	7.263973	7.33576	9.200251	7.309358	7.05417	7.22103
FAM58A	FAM58A	8.705647	8.766959	8.655083	8.75096	8.870787	8.969714	8.66543	8.859168	8.845958	9.005998	9.032057	8.671762
FAM58B	FAM58B	7.068327	7.168848	6.884736	7.126431	7.012611	7.006119	6.919791	6.990419	7.018071	7.08652	6.83496	6.965358
FAM59A	FAM59A	7.449793	7.806374	7.262777	7.358439	7.295429	7.414654	7.395443	7.412304	7.441582	7.393988	7.205357	7.451703
FAM59B	FAM59B	7.646496	7.832191	7.35075	7.429044	7.309191	7.025544	6.895039	6.976787	7.128837	6.962197	6.745897	6.904162
FAM5B	FAM5B	6.918418	7.158569	7.075003	7.28111	7.018955	7.0982	7.114333	6.979186	7.182023	7.129813	6.944734	6.959444
FAM5C	FAM5C	6.919271	7.268039	6.825793	7.156459	7.111654	7.610604	8.869355	9.41258	9.07898	9.924045	9.525054	9.665128
FAM60A	FAM60A	14.33117	14.48503	13.89263	13.72013	13.02316	12.99542	12.22828	11.99075	12.06573	11.72469	11.49188	11.37659
FAM62A	FAM62A	10.17589	11.00082	9.985598	10.55354	9.666263	9.732253	9.275421	9.423506	9.255333	9.314446	9.678358	9.348117
FAM62B	FAM62B	10.9416	10.8336	10.47551	10.83046	10.50659	10.55389	10.24934	10.57291	10.28	10.39318	11.04473	10.8773
FAM62C	FAM62C	7.146071	7.410895	6.885942	6.933036	6.944269	7.090455	6.899721	7.054614	6.914117	6.995758	7.034424	6.913858
FAM63A	FAM63A	8.075104	8.859252	8.163122	8.634457	8.843996	8.975012	9.227879	8.959739	9.092348	9.203546	8.60171	9.169597
FAM63B	FAM63B	7.601499	8.028609	7.409399	7.553563	7.546412	7.774762	7.697063	7.486454	7.579995	7.439118	7.219351	7.624759
FAM64A	FAM64A	10.87136	11.14141	10.0323	9.860272	9.15847	9.344823	8.6144	8.719307	8.602853	8.575492	8.113978	7.190569
FAM65A	FAM65A	8.608016	9.265214	9.871948	10.70464	10.44163	10.65627	10.34561	10.24593	10.47451	10.21669	9.950065	11.07935
FAM66E	FAM66E	6.888177	7.028646	6.785298	7.094059	6.898797	7.005392	6.930985	7.054261	6.907804	7.070221	6.857351	6.810531
FAM69A	FAM69A	7.248743	7.554621	7.189882	7.443809	7.338442	7.55934	7.467215	7.336696	7.497054	7.414051	7.301968	7.284843
FAM69B	FAM69B	8.479967	8.55199	8.179066	8.782411	9.051899	9.564058	9.024935	8.967087	8.982758	8.936122	8.631371	8.605033
FAM70A	FAM70A	6.934164	7.071537	6.847839	7.24945	7.45434	7.9802	8.618688	8.746434	9.082708	8.888045	8.432272	7.612163
FAM70B	FAM70B	7.123475	7.27503	6.911408	7.182164	7.085013	7.138311	7.021462	7.043374	7.032124	7.101825	7.110166	7.049365
FAM71A	FAM71A	6.964373	6.978318	6.760961	6.965455	6.936649	6.907664	7.059521	6.781335	6.799927	7.011191	6.58892	6.987809
FAM71C	FAM71C	6.958607	7.007268	6.677867	6.992536	6.934428	6.95531	6.91538	7.048569	6.840589	6.928741	6.84043	6.82807
FAM72A	FAM72A	8.816825	9.037096	8.088709	8.153895	7.981143	7.654882	7.666005	7.357123	7.714883	7.518434	7.101441	7.120429
FAM73A	FAM73A	8.127785	8.947287	8.433802	8.911262	9.086273	8.753676	9.073058	8.426588	8.743792	8.472965	8.157549	8.739631
FAM73B	FAM73B	8.04715	8.221416	7.63398	8.079584	7.884728	8.934219	8.517518	8.620548	8.463876	8.617655	8.42956	8.306136
FAM76A	FAM76A	7.380515	7.535559	7.172969	7.317074	7.264148	7.191989	7.324328	7.149579	7.268681	7.308542	7.18733	7.406972
FAM76B	FAM76B	8.417694	8.867864	8.755764	8.926803	8.610485	8.671892	8.251812	8.096581	8.164077	7.850691	7.518265	7.677799
FAM77C	FAM77C	7.49936	7.523586	6.959639	7.186679	7.007245	6.895797	6.861071	6.915997	6.864527	6.988709	6.767092	6.797919
FAM77D	FAM77D	7.121597	7.258204	7.027949	7.156634	7.174608	7.385252	7.076511	7.316658	7.240704	7.222888	7.294252	7.336074

FAM78A	FAM78A	6.721703	7.08951	6.775094	6.924111	7.186938	7.846481	7.47225	7.6173	7.437	7.538579	7.268634	7.214782
FAM78B	FAM78B	6.991521	7.112166	6.790648	7.096156	7.038363	7.026609	6.874188	6.91796	6.916493	6.798721	6.804693	6.920165
FAM79A	FAM79A	10.40452	10.86034	10.591	10.86342	10.35732	10.9475	10.84262	10.86273	11.00038	11.18344	10.8284	11.64281
FAM79B	FAM79B	6.88364	7.034825	6.824842	7.01151	6.921536	6.869678	6.829431	6.903479	6.861207	6.929071	6.784962	6.840464
FAM7A1	FAM7A1	7.941607	7.886021	7.402037	7.263843	7.228195	7.687057	7.309655	7.326994	7.267192	7.308029	7.16752	7.130558
FAM7A2	FAM7A2	7.14888	7.415666	7.120418	7.328611	7.110884	7.204558	6.97414	7.113881	7.01253	7.044895	6.883487	6.883459
FAM7A3	FAM7A3	6.85303	7.020238	6.813148	7.073442	6.957953	7.02991	6.945836	6.947066	6.939489	6.956683	6.857681	6.853981
FAM80A	FAM80A	8.041827	7.665356	7.049703	7.201588	7.415962	7.690398	7.548329	7.853203	7.740884	7.895124	8.035124	8.290273
FAM80B	FAM80B	8.287721	8.083362	7.892373	7.943546	7.721774	8.155014	7.73061	7.670112	7.823613	7.478704	7.056186	7.056531
FAM81A	FAM81A	7.071338	7.043289	6.735	7.16445	7.076952	7.590811	7.309613	7.407095	7.282127	7.249235	6.952753	6.95391
FAM81B	FAM81B	7.106101	7.465747	6.913004	7.203932	7.19315	7.235778	7.0601	7.242528	7.067303	7.29095	6.962917	7.099936
FAM82A	FAM82A	6.848797	7.074683	6.807701	7.032751	6.853947	6.947081	6.865415	6.904874	6.853832	6.985976	6.779605	6.789853
FAM82B	FAM82B	8.940077	9.656414	9.119924	8.883828	8.984708	9.970022	9.345438	9.328233	9.497488	9.395806	9.300921	9.022061
FAM82C	FAM82C	9.22569	9.948889	9.032936	9.468168	9.369839	9.747908	9.196662	9.122276	9.314315	9.172075	9.330289	9.195043
FAM83A	FAM83A	6.842063	7.01691	6.791643	6.988184	6.918647	6.908577	6.806054	6.905297	6.790977	6.872646	6.770349	6.780815
FAM83E	FAM83E	6.964153	7.101	6.811748	6.969731	6.906104	6.904065	6.775807	6.923479	6.819138	6.860053	6.81517	6.840311
FAM83F	FAM83F	7.224074	7.386528	6.949999	7.0387	6.97634	7.056909	6.992712	6.959663	6.883267	6.943885	6.816114	6.899545
FAM83G	FAM83G	6.898804	7.260349	6.783749	7.024384	6.868026	6.828906	6.758789	6.969488	6.79714	6.934373	6.815696	6.860183
FAM84A	FAM84A	6.852596	7.035245	6.852724	7.060398	6.979828	7.130142	6.864329	6.936734	6.771165	7.058241	6.790537	6.905432
FAM84B	FAM84B	10.26944	10.06806	9.665576	10.89895	10.31528	11.03505	10.27369	10.73322	10.0481	10.53063	10.75845	9.629307
FAM86A	FAM86A	7.997077	8.463816	7.541562	7.668204	7.743993	7.912864	7.651286	7.574605	7.558868	7.560075	7.6674	7.629325
FAM86B1	FAM86B1	8.035324	8.347244	7.746816	7.702164	7.849997	7.972017	7.710333	7.889443	7.734176	7.705369	7.702348	7.561096
FAM87B	FAM87B	6.894763	6.972452	6.74533	7.030468	7.077415	6.9746	6.805247	6.964157	6.801911	6.820342	6.696898	6.782443
FAM89A	FAM89A	7.329039	7.440115	10.94998	10.86898	9.439652	8.72196	8.210415	7.938399	8.200123	7.762896	7.847184	7.770816
FAM89B	FAM89B	7.843455	8.156562	8.400791	9.344339	9.202821	9.400774	9.27559	9.46954	9.481018	9.439861	9.799624	9.107745
FAM8A1	FAM8A1	7.478638	7.809864	7.521682	8.16508	8.269913	8.530987	8.386431	8.202181	8.419553	8.238409	8.050867	8.420297
FAM90A1	FAM90A1	6.980415	7.020153	6.806332	7.001847	6.91777	6.959578	6.857122	6.861827	6.815283	6.819441	6.797219	6.712792
FAM91A1	FAM91A1	7.113563	7.497474	7.210772	7.480393	7.431121	7.466871	7.052338	7.257757	7.203067	7.224186	7.338986	7.224132
FAM91A2	FAM91A2	6.93268	7.116405	6.828975	7.051106	7.008674	7.070142	6.90564	7.01232	6.943578	6.992485	6.841848	6.97438
FAM92A1	FAM92A1	7.971722	8.129421	8.580549	8.723242	8.957612	10.12408	9.496625	9.335884	9.662474	9.418123	9.373234	8.787519
FAM92B	FAM92B	6.939947	7.166882	6.905393	6.965284	6.965204	7.022534	7.001065	6.991112	6.910408	7.09315	6.882111	6.872004
FAM96A	FAM96A	11.29135	11.55503	10.97382	10.81711	11.07597	12.04693	11.304	11.32645	11.38906	11.31031	11.29867	10.55058
FAM96B	FAM96B	10.00278	10.30731	10.05036	10.57162	10.59615	11.53992	11.04734	10.94517	11.26762	11.35566	11.25603	11.03505
FAM98A	FAM98A	11.20154	11.69986	10.2935	10.37943	10.22984	10.56191	10.62576	10.27899	10.81942	10.63153	10.39446	10.75307
FAM98B	FAM98B	6.990176	7.190351	6.914469	7.108383	7.0424	7.059393	6.957769	7.036533	6.936884	7.035328	6.873741	7.004109
FAM98C	FAM98C	7.215586	7.425079	7.140828	7.444895	7.343232	7.656119	7.732409	7.695748	7.560567	7.715776	7.759668	7.66251

FAM99A	FAM99A	6.894309	7.062164	6.749434	7.050076	6.871329	7.076292	6.836983	6.952735	6.922332	6.896341	6.768261	6.769085
FAM9A	FAM9A	6.755549	6.850086	6.693879	6.914311	6.796909	6.90988	6.694249	6.867646	6.848336	6.795271	6.701567	6.76192
FAM9B	FAM9B	6.785296	6.948839	6.78769	6.995071	6.945767	6.894056	6.825337	6.900713	6.822795	6.878089	6.785433	6.779082
FAM9C	FAM9C	6.941124	7.004218	6.775391	6.993478	6.942217	7.044345	6.869473	7.004598	6.831779	7.009872	6.800742	6.768331
FANCA	FANCA	7.141552	7.307184	6.937568	7.216313	7.037958	7.042147	6.999628	7.092528	6.958408	7.054609	6.810903	6.883302
FANCB	FANCB	7.691201	8.018725	7.698294	7.658137	7.398946	7.382072	7.228029	7.184652	7.206113	7.272883	7.058766	7.108
FANCC	FANCC	7.206827	7.592437	7.12566	7.488808	7.24169	7.285933	7.144065	7.08178	7.111396	7.047245	6.806666	6.87261
FANCD2	FANCD2	9.421415	10.12676	9.267846	9.079437	8.551819	8.229248	8.011161	7.870532	7.824529	7.721671	7.268094	7.147373
FANCE	FANCE	9.433112	9.757034	8.903484	9.257229	9.192746	9.7392	9.474782	9.101756	9.130745	9.049792	8.395514	8.842357
FANCF	FANCF	7.28861	7.440008	7.206572	7.257675	7.241886	7.35671	7.242177	7.297587	7.055429	7.347233	7.145654	7.118651
FANCG	FANCG	10.41764	10.84885	10.05171	10.14755	9.705605	9.300094	9.12968	8.664923	9.058426	8.713464	8.122534	7.943295
FANCL	FANCL	9.538686	9.153981	8.826073	9.042051	8.824079	9.423638	8.916882	9.007302	8.873559	8.750106	8.397019	8.193752
FANCM	FANCM	7.031657	7.315775	6.901443	7.11594	6.990141	7.15066	7.129151	7.1037	6.916815	7.041357	6.913286	6.789378
FANK1	FANK1	6.923601	7.179288	7.034229	7.209663	7.139171	7.086155	6.923011	7.047658	6.958421	6.964867	6.831291	7.059498
FAP	FAP	6.786392	7.09625	6.806528	7.069242	6.980194	6.912426	7.126429	7.996503	8.769655	8.471413	9.974553	9.996117
FARP1	FARP1	8.975479	9.009727	8.742594	9.686895	9.199687	9.291439	9.109393	9.427235	9.33821	9.470231	9.245154	8.730112
FARP2	FARP2	7.037333	7.299648	6.968936	7.373873	7.409404	7.460701	7.32208	7.344998	7.37425	7.489528	7.004513	7.28369
FARS2	FARS2	8.96269	9.710649	9.016961	9.203124	9.063291	9.972386	9.344983	9.517611	9.432382	9.42576	9.267839	8.944607
FARSB	FARSB	7.050201	7.283131	7.038089	7.185028	7.117149	7.246402	7.12217	7.022544	7.033944	7.04674	7.05535	7.088068
FARSLA	FARSLA	8.474259	8.883721	8.06978	8.293266	8.214878	8.489512	8.147961	8.125469	8.186626	8.329771	8.416827	8.336449
FARSLB	FARSLB	14.5965	15.22565	14.80034	15.21356	15.08682	14.90239	15.1147	14.75208	14.92281	14.6875	14.13071	14.64385
FAS	FAS	7.0245	7.301055	6.898872	7.119604	7.105254	7.383352	7.110859	7.071198	7.092708	6.934104	6.952002	7.253039
FASLG	FASLG	7.056454	7.037983	6.939329	7.009144	6.903225	6.896941	6.876531	6.907272	6.874057	6.995953	6.749943	6.800813
FASN	FASN	13.60354	13.03787	12.58475	13.03844	12.06577	11.23689	10.86164	11.13867	11.30818	10.89804	11.14285	10.42618
FASTK	FASTK	8.265367	8.835776	8.211953	8.722043	8.913692	9.62198	9.451522	9.32246	9.454381	9.746828	9.521124	10.06723
FASTKD2	FASTKD2	8.259053	8.722573	7.98383	8.45059	8.15034	9.879196	8.78638	9.025223	8.711785	8.679986	8.568571	8.491307
FASTKD3	FASTKD3	8.339969	8.578998	8.203818	8.171672	8.061074	8.404066	8.068368	8.237663	8.132623	8.014449	8.012711	7.803035
FAT	FAT	10.81425	11.5917	10.34585	10.97766	10.94017	11.22092	10.94448	10.58258	10.89744	10.52892	10.289	10.5355
FAT2	FAT2	6.835521	6.929534	6.709986	6.951461	6.921572	6.932912	6.746699	6.951209	6.77668	6.939828	6.738674	6.828847
FAT3	FAT3	8.178506	9.047175	8.504705	7.811183	7.747012	7.845838	7.556666	7.399609	8.428974	7.423123	7.11097	6.948233
FAT4	FAT4	6.934126	7.137557	6.855697	7.150722	6.927829	7.128288	6.804237	6.917242	6.90488	7.045141	6.84502	6.900604
FATE1	FATE1	6.912973	7.09364	6.761356	7.109761	7.008868	6.951443	6.862658	6.909675	6.789478	6.780613	6.75734	6.839442
FAU	FAU	13.28152	13.93841	13.36151	13.2024	13.37816	13.55293	13.21789	13.20953	13.34829	13.46089	13.33068	12.88758
FBF1	FBF1	6.97435	7.109759	6.879359	7.07446	6.905581	7.004216	6.939693	6.936596	6.922785	6.967179	6.916388	6.902103
FBL	FBL	12.76106	12.75182	11.77707	11.45894	11.20877	10.89482	10.40622	10.13492	10.70698	10.35609	10.00904	10.01788
FBLIM1	FBLIM1	7.088504	7.430509	7.10388	7.321543	7.177631	7.471471	7.365702	7.35355	7.318216	7.354114	7.299909	7.174764

FBLN1	FBLN1	10.13549	10.05342	10.28716	11.51395	11.58559	8.987241	8.838933	8.623997	9.456909	8.195302	8.095626	8.097819
FBLN2	FBLN2	7.73245	7.679233	9.720691	9.805605	8.846354	8.949721	9.351416	9.462072	9.345754	9.029932	9.726292	8.002254
FBLN5	FBLN5	7.17933	7.279108	7.101982	7.574707	7.916467	7.292756	7.170363	7.520577	7.695619	7.47309	8.497098	7.970744
FBN1	FBN1	6.972798	7.104707	6.902883	7.280811	7.260368	7.183964	7.238476	7.40855	7.334313	7.172796	7.735909	7.582664
FBN2	FBN2	10.34118	10.71088	13.12951	12.71791	12.58399	13.87017	13.5959	13.47446	12.2746	12.81993	11.81001	11.93644
FBN3	FBN3	9.886323	10.38296	10.12745	10.36802	9.676114	7.687363	7.433962	7.165896	8.36484	7.191958	6.765609	6.804539
FBP1	FBP1	7.402441	7.875095	7.253567	6.96302	7.002327	6.905604	6.87075	6.905179	6.831445	6.80502	6.811895	6.887576
FBP2	FBP2	6.868898	7.09532	6.826964	7.053507	6.949209	6.922616	6.848142	6.855802	6.871986	6.77744	6.688615	6.739241
FBS1	FBS1	7.001577	7.213535	7.020588	7.480932	7.323455	7.328285	7.168534	7.409159	7.242469	7.329176	7.118031	7.132948
FBXL10	FBXL10	10.63071	11.04995	10.14175	10.05964	9.831043	9.56704	9.114361	8.842778	9.05174	8.58212	8.473164	8.58633
FBXL12	FBXL12	7.623782	7.922658	7.54854	7.810331	7.795332	8.524067	7.960866	7.670558	7.831955	7.821728	7.636741	7.751685
FBXL13	FBXL13	7.031902	7.38624	6.886169	7.050261	7.074403	7.134493	7.078089	7.018767	6.985637	6.945026	6.999504	6.868884
FBXL14	FBXL14	6.939602	7.028522	6.880429	7.023702	6.976216	7.106214	6.896937	7.053058	6.987963	6.922954	6.740478	6.839
FBXL15	FBXL15	8.355235	8.249428	7.865193	8.116709	8.242705	8.987984	8.68055	8.770946	8.709731	8.856968	8.878194	9.029103
FBXL16	FBXL16	7.927539	7.777701	7.101645	7.158337	6.951118	7.088943	6.870594	7.016476	7.144448	7.032757	6.87107	6.92069
FBXL17	FBXL17	7.01879	7.239189	6.937638	7.126656	7.098529	7.271016	7.235702	7.104694	7.149099	7.224043	7.113256	7.69512
FBXL18	FBXL18	7.019782	7.257264	6.912157	6.98443	7.021799	7.183797	6.956402	7.031603	6.979283	6.989737	6.850813	6.963691
FBXL19	FBXL19	6.975244	7.204572	6.824144	7.048296	7.08835	7.076111	6.808199	7.041354	7.059866	7.043114	7.023068	6.927953
FBXL2	FBXL2	7.23012	7.626577	7.597175	8.282136	8.912299	8.803568	8.370422	8.506629	8.324153	8.283089	8.173345	7.983243
FBXL20	FBXL20	8.973101	9.713858	8.717265	9.040067	8.841282	9.459486	9.147283	8.926322	9.01081	8.79377	8.296039	8.680429
FBXL21	FBXL21	7.162197	7.546122	7.396527	7.939222	7.474897	7.320191	7.291861	7.224187	7.417667	7.197457	7.252318	7.343548
FBXL22	FBXL22	6.895475	7.011075	6.746999	6.864942	7.006269	7.495503	7.70022	7.884391	7.257126	7.547743	7.14356	6.990429
FBXL3	FBXL3	7.050582	7.334353	7.256818	7.419764	7.454957	7.850525	7.507247	7.490087	7.390162	7.442875	7.441006	7.471591
FBXL4	FBXL4	6.867786	7.215928	6.705286	7.076017	6.889086	7.09974	6.910698	6.928074	6.831246	6.934172	6.853663	6.874296
FBXL5	FBXL5	8.211726	8.527446	7.989966	8.389544	8.315498	8.766641	8.413714	8.534608	8.462961	8.601328	8.60316	8.747236
FBXL6	FBXL6	8.257848	8.397412	7.731147	8.08611	7.842563	7.90661	7.597557	7.658047	7.689219	7.600385	7.485897	7.423272
FBXL7	FBXL7	7.199478	7.332262	6.984316	7.413253	7.352514	7.429454	7.367282	7.467132	7.53242	7.765353	7.387717	7.308694
FBXL8	FBXL8	6.855598	6.984709	6.784669	7.073945	7.050131	7.134928	6.881619	7.006235	6.869293	7.07041	7.113293	7.005869
FBXO10	FBXO10	7.129532	7.43374	7.12605	7.404971	7.350101	7.375692	7.249771	7.290931	7.323906	7.178221	7.122583	7.052869
FBXO11	FBXO11	9.174436	9.853988	9.340392	9.9083	9.743266	9.785076	9.512918	9.422789	9.403341	9.39858	9.172398	9.321728
FBXO15	FBXO15	7.323668	7.835475	7.24901	7.586331	7.70582	7.743363	7.623946	7.593115	7.712767	7.549545	7.267447	7.411109
FBXO16	FBXO16	7.038851	7.401834	7.089113	7.255498	7.160858	7.39086	7.28628	7.384315	7.279253	7.230906	7.023186	6.952783
FBXO17	FBXO17	7.318637	7.477973	7.170746	7.784284	7.763993	7.550947	7.373258	7.414535	7.444031	7.342504	7.183201	7.282301
FBXO18	FBXO18	8.904539	9.181289	8.537642	9.526598	9.496292	10.07653	9.884479	9.633726	9.624281	9.754923	9.181527	9.358172
FBXO2	FBXO2	8.889044	9.414726	8.131032	8.109194	8.840607	7.430424	7.558237	7.437943	7.532355	7.367858	7.462041	7.649021
FBXO21	FBXO21	10.34985	10.65268	9.976812	10.31303	10.32418	10.62208	10.23964	10.33117	10.35355	10.157	9.938466	10.15248

FBXO22	FBXO22	8.641687	8.73177	8.10963	8.568073	8.380349	9.299488	8.434878	8.573742	8.385489	8.408191	8.253788	8.238378
FBXO22O	FBXO22O	6.938198	7.150948	6.843755	7.023789	7.064555	7.06603	6.940914	6.982254	6.912171	6.93804	6.849991	6.908228
FBXO24	FBXO24	6.91631	7.071629	6.791724	7.066513	6.972346	7.028482	6.953183	6.999034	6.918666	6.97277	6.860265	6.911634
FBXO25	FBXO25	6.945487	7.104064	6.802266	7.099436	7.035119	7.100142	6.999312	7.035507	7.089212	7.021104	7.010788	6.960266
FBXO27	FBXO27	6.979901	7.165055	6.821668	7.148745	7.016147	7.027617	6.8773	7.048242	6.936038	6.943603	6.786761	6.906058
FBXO28	FBXO28	10.43932	11.29019	10.47532	10.17462	9.303691	9.803691	8.819299	8.874281	8.918342	8.89474	8.870721	9.079521
FBXO3	FBXO3	7.814844	8.094229	7.632596	7.984009	7.994517	9.005662	8.491113	8.810529	8.627454	8.86854	8.79911	8.673855
FBXO30	FBXO30	8.990268	9.540846	9.178866	9.131684	8.724078	9.308806	8.812532	8.737925	8.657258	8.722617	8.720909	8.620626
FBXO31	FBXO31	8.623077	9.003156	8.655427	9.022188	8.902062	9.18961	8.906722	9.163464	9.211139	9.346392	9.325513	9.259139
FBXO32	FBXO32	6.918324	7.133714	6.922119	8.199979	8.624258	10.65733	9.956248	10.02069	9.910392	9.961347	9.80599	10.20136
FBXO33	FBXO33	9.589594	10.05917	9.837026	10.08777	9.820264	10.65773	9.74555	9.876991	9.870707	9.910655	9.685755	9.805807
FBXO34	FBXO34	8.466891	8.773268	8.702848	9.217781	8.909704	9.315319	8.8191	9.022855	8.858661	8.815367	8.962357	8.577854
FBXO36	FBXO36	6.94216	7.344168	6.864779	7.224238	7.01527	7.123302	6.980138	7.055657	7.119916	7.024251	6.874189	6.908794
FBXO38	FBXO38	8.467853	8.985989	8.517269	8.874921	8.842533	9.409941	8.855188	8.813118	8.975458	8.83749	8.708595	8.964503
FBXO39	FBXO39	6.805265	7.004896	6.77587	6.938911	6.936043	6.924483	6.826253	6.902471	6.888681	6.817358	6.736717	6.816666
FBXO4	FBXO4	6.899445	7.193292	6.853931	7.060125	7.008961	7.328427	7.124628	7.105595	7.016661	7.076967	6.847852	7.002047
FBXO40	FBXO40	6.739462	7.193779	6.840077	6.895442	6.998956	7.029967	6.943183	6.961141	6.880508	6.995713	6.801596	6.899291
FBXO42	FBXO42	6.952765	7.370787	6.926715	7.307047	7.03419	7.223165	7.061513	7.199306	7.105301	7.171596	6.934555	7.027379
FBXO43	FBXO43	7.034237	7.095937	6.983501	7.164833	6.963859	7.00324	7.074086	6.951733	6.972353	6.974558	6.8257	6.882293
FBXO44	FBXO44	7.060262	7.189754	6.886386	7.145872	6.987381	7.074051	6.974543	6.98246	6.994378	7.097606	6.882857	6.91414
FBXO46	FBXO46	8.658411	9.199467	8.440861	8.652265	8.484511	8.731694	8.404091	8.339837	8.21684	8.167916	7.894196	7.75426
FBXO47	FBXO47	6.749416	6.911836	6.744284	6.878992	6.889053	6.809181	6.756304	6.799163	6.784679	6.854902	6.628656	6.75605
FBXO5	FBXO5	9.556222	9.799331	9.591296	9.37562	8.978786	8.760584	8.412237	8.305858	8.249425	8.057674	7.868492	7.645541
FBXO6	FBXO6	7.219519	7.358352	7.413352	7.793822	7.439038	7.778179	7.533502	7.673709	7.843523	7.793369	7.78773	7.767842
FBXO7	FBXO7	8.325886	8.740996	8.457134	8.787316	8.669912	9.175652	8.870452	9.079398	8.786026	8.975209	8.88893	8.606858
FBXO8	FBXO8	8.02537	8.625975	8.348596	8.918814	9.22727	9.977536	9.811385	9.939097	10.13801	10.20804	9.804508	9.899226
FBXO9	FBXO9	7.014558	7.217092	6.958989	7.151407	7.139337	7.619466	7.389613	7.413918	7.356508	7.482195	7.135028	7.129204
FBXW10	FBXW10	6.868473	7.060751	6.849245	7.005085	6.969842	7.082025	7.002868	6.898478	6.920115	6.854279	6.919101	6.943386
FBXW11	FBXW11	9.022289	9.280712	8.438744	9.014629	8.971819	9.5507	9.189011	9.341513	9.091301	9.158979	9.168024	9.034048
FBXW12	FBXW12	6.819187	6.967778	6.645392	6.952452	6.784335	6.934664	6.950343	6.973131	6.702374	6.826393	6.742613	6.796327
FBXW2	FBXW2	8.077981	8.468257	8.070763	8.282882	8.257095	8.929707	8.55067	8.591563	8.45275	8.589057	8.393767	8.664048
FBXW4	FBXW4	8.234256	8.56725	8.154578	8.2681	8.09463	8.813767	8.515578	8.562961	8.511807	8.73697	8.35468	8.612621
FBXW5	FBXW5	7.498332	7.858475	7.570061	7.791019	7.75046	7.826536	7.715266	7.749027	7.711716	7.947605	7.885403	8.005175
FBXW7	FBXW7	7.893788	8.043153	7.934096	8.14505	8.079615	8.195096	7.842879	7.87413	7.980313	8.067047	7.913236	8.185532
FBXW8	FBXW8	7.529465	7.852424	7.506176	7.69185	7.68677	7.603281	7.531369	7.428823	7.624076	7.442043	7.350936	7.266388
FBXW9	FBXW9	8.50796	8.386216	8.206545	8.443684	8.370261	8.449558	8.107048	7.990065	8.192517	8.105636	7.945429	8.133423

FCAMR	FCAMR	6.911738	7.071136	6.786607	7.011252	6.887031	7.094413	6.863755	6.931795	6.824991	6.914083	6.783289	6.861424
FCAR	FCAR	7.705355	8.298904	7.879472	8.036272	8.225456	8.064506	7.970915	7.903964	7.958073	7.962279	7.935873	7.855372
FCER1A	FCER1A	6.926981	7.014834	6.862296	7.181221	7.056874	7.22735	7.056111	6.942755	6.91843	7.075326	6.807352	6.874416
FCER1G	FCER1G	6.954731	7.242055	6.862717	7.217734	6.960556	7.126581	6.939592	6.956562	6.889561	6.939937	6.850343	6.904785
FCER2	FCER2	6.913234	7.001148	6.777222	6.987218	6.935268	6.877432	6.842124	6.893105	6.789555	6.940013	6.709701	6.857158
FCF1	FCF1	7.72841	8.063331	7.63025	7.715922	7.554807	7.732564	7.570802	7.521861	7.709414	7.618826	7.255178	7.512085
FCGBP	FCGBP	7.919882	7.806485	6.899456	7.141116	7.021565	7.126728	6.9441	7.025987	7.101328	7.066205	6.805306	6.931269
FCGR1A	FCGR1A	6.954588	7.062181	6.784328	7.043038	6.975993	7.056451	6.855456	7.050279	6.991412	6.974967	6.825978	6.836332
FCGR1B	FCGR1B	6.905348	7.054347	6.811446	6.965683	6.907208	6.911551	6.856887	6.888501	6.894304	6.951848	6.744883	6.772946
FCGR2A	FCGR2A	6.889253	7.09506	6.78601	7.085209	6.948717	7.022964	7.051009	7.012093	6.97479	7.074952	6.985003	7.187584
FCGR2B	FCGR2B	6.864817	7.082702	6.811126	7.044623	6.941609	7.015725	6.866956	6.930928	6.962424	6.935351	6.876486	6.893265
FCGR2C	FCGR2C	6.87004	7.123937	6.780206	7.097532	6.892874	6.965958	6.752616	6.982554	6.757294	6.884117	6.767238	6.69638
FCGR3A	FCGR3A	6.90536	7.047325	6.817178	7.029322	6.931354	6.960828	6.918792	6.983042	6.926788	6.918061	6.730187	6.906748
FCGR3B	FCGR3B	7.043243	7.236717	6.998363	7.12876	7.103693	7.331747	6.975084	7.104367	7.083254	7.10979	6.981415	7.006706
FCGRT	FCGRT	8.639027	8.648769	7.781318	8.48143	9.078986	8.729544	8.905963	9.081182	9.132231	9.212823	9.459411	9.818938
FCHO1	FCHO1	7.68799	7.732341	7.050392	7.171573	7.020257	7.053909	6.965174	6.998013	6.959648	7.149796	6.821735	6.88714
FCHO2	FCHO2	7.386124	7.482117	7.489449	8.008918	7.581496	7.71441	7.72075	7.470868	7.620169	7.59932	7.363567	7.707769
FCHSD1	FCHSD1	7.005722	7.130175	6.880303	7.05173	6.987645	7.018579	6.865456	7.023567	6.924951	6.917726	6.818791	6.855949
FCHSD2	FCHSD2	7.643353	7.684376	7.83214	8.332694	8.137567	8.625844	8.703857	8.634564	8.587543	8.793649	8.27318	8.466119
FCMD	FCMD	11.71758	12.67674	12.0906	12.5561	12.54645	12.37733	12.62531	12.00351	12.50479	12.09463	11.5003	12.12317
FCN1	FCN1	6.852799	7.122091	6.9229	6.983182	6.932457	6.960779	6.858947	6.903291	6.859648	7.07783	6.742364	6.781099
FCN2	FCN2	6.863953	6.991954	6.76908	7.105244	6.882795	6.898926	6.962418	6.977189	6.9318	6.918887	6.80074	6.812689
FCN3	FCN3	7.000277	7.115912	6.856368	7.616765	7.533591	7.000619	6.943937	6.909515	6.889496	6.971254	6.798453	6.80053
FCRL1	FCRL1	6.795661	7.005829	6.77103	7.03747	6.969221	7.010352	6.903734	6.992225	6.826937	6.969344	6.72485	6.859739
FCRL2	FCRL2	6.875689	7.024683	6.805063	7.010974	6.914616	6.942963	6.901912	6.925799	6.962447	6.937777	6.735256	6.877176
FCRL3	FCRL3	6.953993	7.205464	6.910564	7.102437	7.089702	7.050708	7.011917	7.010025	7.034213	7.059275	6.873322	6.892748
FCRL4	FCRL4	6.896948	6.925491	6.650565	6.877076	6.74482	6.850034	6.790761	6.743309	6.845216	6.791638	6.753673	6.644369
FCRL5	FCRL5	7.052919	7.238455	6.840083	7.057153	7.008226	7.089738	6.930895	7.000744	7.013024	7.040149	6.80833	6.904253
FCRL6	FCRL6	6.748039	6.853869	6.655396	6.935099	6.871267	6.744378	6.831538	6.803457	6.720291	6.823892	6.815966	6.776822
FCRLM1	FCRLM1	6.89277	7.065505	6.861255	7.111873	6.870075	7.135762	6.988234	7.012999	7.008702	7.117431	7.01274	6.862285
FCRLM2	FCRLM2	7.020412	7.280671	7.227243	7.392168	7.592388	8.052113	7.715635	7.666473	7.857734	7.580566	7.575911	7.554361
FDFT1	FDFT1	12.8121	12.67191	12.20188	12.37168	12.16719	12.61971	12.26985	12.251	12.41704	12.07063	11.7136	11.54965
FDPS	FDPS	9.343248	9.628295	8.89619	9.143346	8.862345	9.150674	9.034454	8.603692	9.226444	8.938145	8.46233	8.638309
FDX1	FDX1	7.212083	7.392562	7.250017	7.500695	7.36798	7.861867	7.584107	7.474059	7.304327	7.470718	7.255951	7.397387
FDXR	FDXR	6.927597	7.194032	6.887428	7.045258	7.070588	7.118671	7.106416	6.988876	6.980703	7.004054	6.797679	6.956995
FECH	FECH	7.62028	7.67766	7.180533	7.523258	7.781112	8.267049	8.051895	8.028482	7.819343	7.904518	7.580867	7.711935

FEM1A	FEM1A	10.24201	10.65822	10.33014	10.2475	10.16101	10.69648	10.2802	10.33263	10.16539	10.48338	9.928862	10.6617
FEM1B	FEM1B	7.6798	7.720486	7.368545	7.793194	7.517726	7.881985	7.45253	7.779458	7.435998	7.596245	7.813781	8.05649
FEM1C	FEM1C	9.3647	9.541532	9.20427	9.350566	9.089184	9.958382	9.554158	9.522643	9.270999	9.633813	9.210947	9.851289
FEN1	FEN1	11.02365	11.38333	10.9817	10.85505	10.01541	10.43697	9.75715	9.797497	9.452394	9.706455	9.144588	8.772174
FER	FER	7.5498	7.933119	7.581169	7.912049	7.855321	8.286625	7.875944	8.0044	7.895508	7.989683	7.503672	7.594839
FER1L3	FER1L3	7.153056	8.25205	8.745986	9.88265	9.416875	9.146772	8.431745	9.006863	8.956125	8.907291	10.06654	9.587799
FER1L4	FER1L4	7.192784	7.15461	6.93543	7.200787	7.085563	7.055811	6.916775	7.040695	7.06718	6.887636	6.804976	6.884729
FERD3L	FERD3L	6.921895	7.036479	6.806974	7.064824	6.992812	7.024687	6.947564	7.003514	6.906048	6.854248	6.741263	6.771609
FES	FES	7.418835	7.695369	7.475648	7.757737	7.588485	7.089215	6.827832	6.982388	6.907304	6.832527	6.723409	6.747993
FETUB	FETUB	7.012913	7.321046	6.90801	7.161527	6.947037	7.188495	6.964806	6.957541	6.996809	6.936843	6.769879	6.842999
FEV	FEV	6.916558	7.004813	6.901912	6.958887	6.840871	7.105896	6.814837	6.889032	6.824941	6.896376	6.726363	6.828885
FEZ1	FEZ1	9.745887	9.865958	8.398986	8.202936	8.437016	9.166693	8.999355	9.07492	9.393198	9.140464	9.200607	9.019461
FEZ2	FEZ2	9.679905	10.01406	10.4054	10.74001	10.84189	11.33141	10.84498	10.8813	10.69863	10.54186	10.84605	10.42938
FFAR1	FFAR1	6.86853	6.98354	6.898973	7.120566	7.025221	6.940852	6.993558	6.950378	6.96501	7.015931	6.893727	6.928175
FFAR2	FFAR2	6.862325	7.088614	6.844368	7.036302	7.022142	7.088534	6.816994	6.986364	6.912725	7.042432	6.854066	6.884014
FFAR3	FFAR3	6.954557	7.212421	6.944248	7.02966	7.076074	7.070811	6.990481	7.097539	6.90584	7.057002	6.793214	6.972137
FGA	FGA	7.166485	7.475339	7.260142	7.801049	8.355069	7.44227	7.368227	7.289256	7.414218	7.343713	7.161721	7.236585
FGB	FGB	7.002697	7.221621	6.865735	7.905679	9.162607	7.009402	6.920042	6.99535	7.553258	7.040817	6.903555	6.853996
FGD1	FGD1	8.439966	8.575492	8.197714	8.436239	8.332455	8.198279	7.895866	8.021632	7.950691	8.095513	7.882678	7.689769
FGD2	FGD2	6.929794	7.074025	6.741783	6.994434	6.93831	6.932133	6.850746	6.897819	6.843161	6.870356	6.69284	6.806689
FGD3	FGD3	7.323012	7.379232	7.335855	7.404045	7.587025	6.991539	6.875688	6.9106	7.044065	6.901084	6.805229	6.887801
FGD4	FGD4	7.175607	7.684582	6.876262	7.213141	7.003668	7.020883	6.969239	7.062575	7.039525	6.955213	6.901073	6.851839
FGD5	FGD5	8.205882	8.42664	7.835518	7.632167	7.329883	6.930721	6.88257	7.031549	7.07857	6.811151	6.732991	6.727125
FGD6	FGD6	8.217381	8.456173	8.724747	8.420522	7.977258	8.075504	7.659992	8.013955	7.711472	8.03635	8.021503	7.820259
FGF1	FGF1	6.928246	7.272665	6.798388	7.059739	6.934524	7.26989	7.180429	7.491752	7.304805	7.546066	7.091362	7.068027
FGF10	FGF10	6.875689	7.036488	6.95216	7.232555	7.155377	7.254173	7.033588	7.052501	6.9723	6.900836	6.750247	6.875717
FGF11	FGF11	8.118971	7.910064	7.206292	7.459062	7.991723	7.824592	7.899108	7.645341	7.746224	7.746626	7.675654	8.435525
FGF12	FGF12	7.349574	7.456511	7.196081	7.110813	7.197464	8.9897	8.930518	9.522917	8.998849	9.561173	8.384314	8.563098
FGF13	FGF13	8.073499	8.110725	8.183962	7.991804	8.087354	9.342182	9.07267	8.918053	8.782149	8.904714	8.241571	8.05606
FGF14	FGF14	6.827884	7.078128	6.869928	6.878485	6.88075	6.984103	6.821782	6.919992	6.887362	6.880606	6.728507	6.853126
FGF16	FGF16	6.877503	7.207906	6.824491	7.021239	6.933188	7.115414	7.055172	7.135655	7.032427	6.87066	6.848196	6.863544
FGF17	FGF17	7.075913	7.191924	8.846039	7.498991	6.968119	7.094009	6.877063	6.944722	6.976871	7.047262	6.828077	6.901248
FGF18	FGF18	7.086342	7.132554	6.973284	7.319263	7.228156	8.029963	7.820752	8.185043	7.685421	8.328188	8.300864	8.029618
FGF19	FGF19	8.157904	8.041065	7.6906	8.973849	7.17876	7.258613	6.959063	7.003698	6.981275	7.059932	6.875265	6.982153
FGF2	FGF2	9.087222	9.391974	7.792847	7.865128	7.404079	7.354493	7.210995	7.171388	7.345755	7.404892	7.684285	7.683422
FGF20	FGF20	7.125935	7.265529	7.227416	7.189072	7.135744	7.202015	7.037827	7.041123	7.070926	7.147836	6.905607	6.981442

FGF21	FGF21	7.000561	7.119562	6.924102	7.066275	6.99666	6.98747	6.97343	7.00948	6.907201	6.999806	6.84186	6.933494
FGF22	FGF22	6.876788	7.053603	6.71685	6.942988	6.803827	6.96187	6.83709	6.849694	6.766096	6.892084	6.776082	6.830519
FGF23	FGF23	7.007584	7.170761	6.964421	7.064078	6.938601	7.176297	7.055897	7.021269	7.000852	7.113334	6.905428	6.96585
FGF3	FGF3	6.931541	7.059801	7.627903	7.231881	6.990982	6.994621	6.957945	6.912749	6.957873	6.964325	6.839685	6.846302
FGF4	FGF4	6.839147	7.006335	6.812013	7.083948	6.844138	6.969953	6.871032	6.872234	6.888567	6.913428	6.719984	6.841239
FGF5	FGF5	6.985399	7.225709	6.818895	7.065812	6.993874	7.06308	6.900065	7.034821	6.964015	6.954553	7.065221	6.983811
FGF6	FGF6	6.906839	7.185118	6.916995	7.020277	6.963291	7.038872	6.910805	7.020948	6.951867	6.899753	6.897934	6.891336
FGF7	FGF7	6.931681	6.90024	6.682462	7.029107	6.845065	6.861667	6.937967	7.057099	6.94237	7.016047	6.795837	7.259255
FGF8	FGF8	7.071573	7.091391	7.250206	7.480149	7.029734	6.928201	6.962824	6.867733	6.82763	6.896393	6.727139	6.824997
FGF9	FGF9	6.92627	7.156821	7.084521	9.358006	9.001143	10.28899	9.535366	9.147704	9.008921	8.641399	8.021821	8.081877
FGFBP1	FGFBP1	6.905486	7.026725	7.388974	7.519421	6.987698	6.984528	6.829908	6.797214	6.931805	7.027679	6.995388	6.783184
FGFR1	FGFR1	7.469142	7.736469	7.402593	7.423568	7.149734	7.122693	7.085806	7.216999	7.163627	7.116017	6.971669	6.985696
FGFR1OP	FGFR1OP	8.316762	8.931069	8.420038	8.337281	8.152269	8.552907	8.26924	8.184354	8.287741	8.138608	8.009897	8.130345
FGFR1OP2	FGFR1OP2	7.862376	7.78388	7.651882	8.06043	7.809491	8.076087	7.946263	7.761246	8.056815	7.931355	7.74496	7.989068
FGFR2	FGFR2	7.076647	7.216996	6.868009	7.300068	7.529444	7.109781	7.016307	6.933196	7.04293	7.006554	6.725117	6.846425
FGFR3	FGFR3	9.438195	10.47216	10.61604	10.93377	11.11507	9.606321	8.389199	7.860678	8.247729	7.538394	7.122068	7.110831
FGFR4	FGFR4	8.008599	7.656359	7.474042	7.484369	7.088112	7.00183	6.892832	6.889762	7.057953	7.015326	6.8096	6.765078
FGFRL1	FGFRL1	7.712044	8.074602	8.158539	8.78816	8.186051	7.892861	7.6601	7.860774	7.872664	8.13277	8.318884	7.939809
FGG	FGG	6.891797	7.089864	6.796169	7.081199	7.795645	7.114239	6.867895	6.885947	6.941257	6.950526	6.793604	6.879564
FGL1	FGL1	6.904523	7.136736	6.872636	7.031781	6.972312	7.087353	7.015976	7.008832	6.945648	7.066438	6.837433	6.90451
FGL2	FGL2	6.975634	7.323779	6.951675	7.188175	7.042635	7.29387	7.145824	7.296953	7.321003	7.349307	8.256807	7.719022
FGR	FGR	7.005922	7.247947	6.885467	7.100981	7.020122	7.06088	6.934354	7.022372	7.05321	6.992645	6.831984	6.924886
FH	FH	11.72984	12.08331	11.58961	11.88	11.96356	13.08652	12.90485	12.60884	12.81813	12.78718	12.15923	12.48688
FHIT	FHIT	6.905336	6.964387	6.744932	7.091737	7.056832	7.15159	7.117603	7.02841	6.931773	7.095298	6.856071	6.919022
FHL1	FHL1	8.580049	9.300727	7.902943	8.500364	8.880314	9.315791	9.893778	10.32935	10.30937	10.83334	10.63978	10.52134
FHL2	FHL2	9.951274	10.85362	9.344938	9.779033	10.76381	13.7622	13.90847	14.21557	14.0914	14.35003	13.83445	13.84619
FHL3	FHL3	9.04804	9.586138	9.147934	9.362965	9.011746	8.699758	8.37689	8.697044	8.713786	8.337004	8.789453	8.136409
FHL5	FHL5	6.844826	6.975415	6.748203	6.92975	6.985305	6.863221	6.884403	6.881744	6.911996	6.92554	6.790929	6.970512
FHOD1	FHOD1	9.385331	9.157837	8.295564	8.750536	8.80187	8.258005	7.939894	8.012675	8.027234	8.142578	8.567045	8.146194
FHOD3	FHOD3	8.342517	8.160142	7.339121	9.158472	10.47252	12.55834	12.14734	12.33429	11.81738	12.20795	11.52371	11.68392
FIBCD1	FIBCD1	7.297518	7.219161	7.354004	7.403253	7.23947	7.301946	7.172667	7.168776	7.074296	7.117239	7.153349	7.160124
FIBP	FIBP	10.12192	10.52816	10.01327	10.13017	10.03414	10.39298	10.36075	10.05568	10.28584	10.20898	9.787463	9.965944
FIGF	FIGF	6.843065	7.157483	6.925592	7.064689	7.008889	6.997204	6.892656	7.014201	6.92044	7.021771	6.912735	6.861633
FIGLA	FIGLA	6.908951	7.179285	6.830217	7.034781	6.986754	7.042693	6.82517	6.92422	6.9759	7.09104	6.917479	6.94955
FIGN	FIGN	7.167407	7.382385	7.05559	7.395219	7.194881	7.370439	7.061849	7.147684	7.156189	7.173697	6.875866	6.911781
FIGNL1	FIGNL1	7.492302	7.871637	7.562682	7.659564	7.491591	7.761817	7.499841	7.591988	7.644632	7.485276	7.340979	7.294467

FILIP1	FILIP1	8.881949	9.744259	7.48684	9.556401	9.551409	11.28748	10.23759	10.43036	9.829003	9.875867	9.155861	9.050134
FILIP1L	FILIP1L	6.948288	7.136972	7.046451	7.751228	8.536586	7.884615	7.640367	8.213578	8.087679	8.373307	8.614374	8.29718
FIP1L1	FIP1L1	8.565087	8.802569	8.308644	8.67242	8.489852	9.100333	8.358786	8.702776	8.528365	8.542793	8.828201	8.519303
FIS	FIS	6.96697	7.207194	6.973965	7.271646	7.213933	7.214229	7.155625	7.182164	7.165762	7.118098	6.989756	7.13904
FIS1	FIS1	9.842956	10.5098	9.814567	10.13042	10.38785	11.27863	11.00288	11.05997	11.10265	11.35923	11.25096	10.91638
FJX1	FJX1	8.635812	9.534075	8.559924	10.00373	9.242247	8.318262	7.548739	7.745465	8.175799	7.806665	7.87647	7.568172
FKBP10	FKBP10	7.040261	7.432523	7.012807	7.524298	7.573654	7.709076	7.4252	7.473038	7.339502	7.328769	8.067693	7.725528
FKBP11	FKBP11	10.80635	10.45559	9.64352	9.640305	9.311763	8.850617	8.593767	8.547881	8.976496	8.474569	9.069389	8.279556
FKBP14	FKBP14	9.273618	9.975935	9.701944	10.1048	10.49768	10.11714	10.13133	9.876009	10.0379	9.738598	9.829898	9.740008
FKBP1A	FKBP1A	10.13023	10.50013	9.935393	10.13353	9.86601	10.62166	9.969244	10.1764	10.05567	10.00644	10.40009	9.973265
FKBP1B	FKBP1B	7.912126	8.30006	7.795619	7.661525	7.388157	7.607428	7.404787	7.231715	7.220273	7.348688	7.248116	7.007819
FKBP2	FKBP2	7.59319	8.290844	7.521501	7.773926	8.097698	8.668534	8.144191	7.913906	7.930201	8.113901	8.166695	8.447882
FKBP3	FKBP3	10.33951	11.1605	10.45827	10.33129	10.14704	10.82709	10.74265	10.39836	10.86474	10.59963	10.01894	10.06845
FKBP4	FKBP4	10.74353	10.88409	10.22284	9.828324	9.666525	10.37612	9.671947	9.29222	9.500606	9.47499	9.005823	9.957037
FKBP5	FKBP5	8.78769	9.165609	8.478749	8.09479	8.293713	8.61298	8.056296	7.890812	7.728186	7.690377	7.643905	7.760797
FKBP6	FKBP6	7.005013	7.042448	6.707516	6.930975	6.938947	7.003974	6.929112	6.885998	6.798768	6.877402	6.823821	6.803731
FKBP7	FKBP7	6.881802	7.09589	6.92843	7.305952	7.448664	7.220023	7.027987	7.253543	7.185302	7.090493	7.066132	7.098169
FKBP8	FKBP8	7.107534	7.45493	7.064687	7.308003	7.115107	7.394921	7.261514	7.187772	7.129112	7.283646	7.263039	7.256155
FKBP9	FKBP9	6.750774	6.995882	6.85298	7.145356	7.096255	6.887755	6.94579	7.192617	7.1676	7.231585	7.139246	7.102307
FKBP9L	FKBP9L	7.694824	7.720883	8.336358	9.135178	9.286615	9.472703	9.498863	9.733812	9.527444	9.543313	9.728529	9.542369
FKBPL	FKBPL	7.270723	7.688007	7.166167	7.404168	7.23757	7.320307	7.19569	7.242441	7.139232	7.112332	7.201685	7.12607
FKHL18	FKHL18	6.900309	6.994859	6.832711	6.943411	6.969885	6.915027	6.883286	6.994494	6.908873	6.953415	7.157329	6.850494
FKRP	FKRP	7.982409	8.347804	7.988556	8.36459	8.039113	8.380613	8.137142	8.271121	8.255623	8.282612	7.854369	7.968412
FKSG14	FKSG14	9.841629	9.927166	9.671577	9.57383	9.149798	9.187604	8.604747	8.913623	8.905806	8.763614	8.293122	7.535728
FKSG2	FKSG2	6.93133	7.133422	6.845932	7.117797	6.911742	6.995944	6.960394	6.96746	6.860783	6.955432	6.798009	6.940474
FKSG24	FKSG24	7.847192	8.110777	7.657592	7.916547	7.662874	8.012027	7.748028	7.706675	7.759815	7.962692	7.912568	7.617352
FKSG30	FKSG30	11.13471	12.02768	10.53187	11.09076	10.56457	9.883437	9.676383	10.0269	10.0244	9.793242	11.22641	10.56055
FKSG44	FKSG44	6.801951	7.043744	6.933253	6.984876	6.948203	6.965034	6.824167	6.865031	6.871906	6.896556	6.751956	6.917019
FKSG49	FKSG49	6.885769	6.944289	6.709844	7.067007	6.8846	6.965682	6.856403	6.839494	6.831568	6.82366	6.812518	6.759298
FKSG83	FKSG83	6.891693	7.059291	6.911342	7.086632	6.963893	6.984637	6.935644	6.942432	6.94271	6.922122	6.772534	6.97783
FLAD1	FLAD1	9.324705	9.485583	8.691088	8.662533	8.383421	8.726928	8.346296	8.546816	8.335544	8.489708	8.433534	8.273806
FLCN	FLCN	7.180046	7.467537	7.132595	7.363569	7.169111	7.392042	7.158765	7.274563	7.338865	7.283884	7.059352	7.240866
FLG	FLG	6.900671	7.024137	6.814394	7.062031	6.958371	7.032876	6.892519	6.872584	6.905726	6.955656	6.747163	6.808072
FLG2	FLG2	6.855657	6.965394	6.777684	7.006084	6.89201	6.974873	6.813102	6.853993	6.812775	6.953127	6.734123	6.816188
FLI1	FLI1	6.777047	7.052774	6.80867	7.046864	7.004792	6.90056	6.91542	6.935607	6.815862	6.952769	6.809203	6.8135
FLII	FLII	9.329719	9.618317	9.033878	9.463897	9.004669	9.428031	8.92544	9.193982	9.017319	9.30586	9.324346	9.210725

FLJ00038	FLJ00038	11.83471	11.96649	11.78616	12.26908	12.52528	12.39728	12.06984	11.93685	12.18529	12.0649	11.21887	11.51698
FLJ00060	FLJ00060	6.884752	7.015754	6.762586	6.952924	7.039682	6.950943	6.839549	6.916026	6.828115	7.002351	6.797644	6.792631
FLJ00312	FLJ00312	6.967508	7.165575	6.946267	7.210937	7.116309	7.088409	7.003547	7.03076	6.968776	6.985474	6.815147	6.910292
FLJ10006	FLJ10006	10.23812	10.5447	10.11417	10.55995	9.760169	10.14332	9.539579	9.886538	9.524633	9.721316	9.814591	9.888802
FLJ10081	FLJ10081	9.315657	9.421999	9.327684	9.814984	9.774992	10.01091	9.83668	9.905113	9.662206	9.745663	9.402966	9.412484
FLJ10099	FLJ10099	8.820569	9.305396	9.03627	9.158437	8.76037	8.820884	8.339678	8.647957	8.542281	8.646708	8.973425	8.952341
FLJ10120	FLJ10120	7.104066	7.465571	7.044765	7.210655	7.12703	7.243889	7.00194	7.081593	7.025382	7.065404	6.936074	7.024032
FLJ10154	FLJ10154	12.34905	12.4611	11.99782	12.32494	12.30352	12.38555	11.87921	11.87648	11.98606	11.57761	11.17518	10.96816
FLJ10159	FLJ10159	7.380059	7.5824	7.040504	7.93647	8.291095	8.697283	8.93596	8.779732	8.765472	8.971985	8.293546	8.901079
FLJ10178	FLJ10178	8.425701	8.627549	7.768736	8.556568	8.242504	8.702981	7.940232	8.055849	8.128603	8.028558	7.883443	7.94339
FLJ10213	FLJ10213	8.094912	9.006925	9.044556	9.565099	8.966978	8.769308	8.423769	8.408551	8.26478	8.080942	7.693209	7.763913
FLJ10241	FLJ10241	10.85772	10.98916	10.64445	10.74374	10.60946	11.64509	10.99664	11.33721	10.94725	11.36075	11.30158	10.86421
FLJ10246	FLJ10246	7.384652	7.632928	7.503309	7.808529	7.441841	7.418479	7.24337	7.282741	7.116064	7.038299	6.845172	6.939896
FLJ10260	FLJ10260	7.558484	7.671859	7.40981	7.46013	7.15038	7.300884	6.833687	7.064063	6.942048	6.959721	6.93394	6.912694
FLJ10292	FLJ10292	8.205279	8.363669	8.252401	8.579398	7.795642	7.929403	7.401278	7.295089	7.310532	7.309737	7.06104	7.043175
FLJ10324	FLJ10324	7.085421	7.265075	7.156896	7.529451	7.312158	7.831731	7.592846	7.561907	7.295588	7.33299	6.991104	7.097212
FLJ10357	FLJ10357	7.355611	7.560846	7.291037	7.446362	7.452414	7.407549	7.356782	7.392575	7.357962	7.360916	7.477057	7.119176
FLJ10374	FLJ10374	7.623517	7.856824	7.549663	7.65971	7.514866	7.656079	7.48207	7.328635	7.453615	7.497328	7.145806	7.36048
FLJ10379	FLJ10379	9.334664	9.849207	9.184031	9.193663	8.954525	9.517557	8.665084	8.772229	8.682269	8.51005	8.413752	8.284931
FLJ10404	FLJ10404	7.363887	7.509348	7.185728	7.574588	7.369564	7.408893	7.188899	7.297023	7.277139	7.26369	7.034161	7.22732
FLJ10490	FLJ10490	6.901793	7.187137	6.905103	7.011823	7.022549	7.0776	7.114375	7.280345	7.121866	7.083068	7.045567	6.959429
FLJ10661	FLJ10661	7.750857	8.182241	7.627086	7.840771	7.712507	7.76765	7.473158	7.412756	7.472644	7.483337	7.342535	7.456132
FLJ10726	FLJ10726	7.879638	8.246997	8.396501	8.639948	8.382733	7.883259	7.888205	7.87785	7.97886	7.799892	7.608746	7.772548
FLJ10769	FLJ10769	9.190858	10.06539	9.408061	9.586283	9.514582	10.09646	9.591231	9.823846	9.727171	9.638395	9.573127	9.433994
FLJ10781	FLJ10781	8.572482	8.749652	7.971914	8.742453	8.886479	9.695355	9.278453	8.961394	9.165304	9.08397	8.342448	8.926177
FLJ10786	FLJ10786	6.790239	6.84471	6.743518	6.933325	6.86911	6.831907	6.738268	6.841836	6.769563	6.841143	6.657503	6.779998
FLJ10803	FLJ10803	7.088089	7.395177	7.093321	7.33431	7.179032	7.112196	7.007657	7.116015	7.022696	7.04047	6.981142	6.951477
FLJ10815	FLJ10815	7.251907	7.511621	7.222528	7.33466	7.22565	7.358566	7.117104	7.134612	7.097596	6.975581	7.043451	7.046737
FLJ10847	FLJ10847	7.453505	7.460429	7.306922	8.50307	9.908337	10.24121	9.882078	10.01318	9.43313	9.36953	8.563906	8.210833
FLJ10916	FLJ10916	7.951577	8.115328	7.423055	7.447191	6.942733	6.882324	6.844562	6.897831	6.837752	6.929755	6.780772	6.684107
FLJ10922	FLJ10922	7.782469	7.855379	7.380836	7.635649	7.445497	7.669444	7.730192	7.861781	7.827234	8.04011	7.780361	7.882315
FLJ10925	FLJ10925	7.685719	8.122052	7.701045	7.911337	7.778101	8.031013	7.737991	7.763387	7.838264	7.693162	7.717228	7.35416
FLJ10945	FLJ10945	6.980078	7.163644	6.802607	7.058566	6.964155	7.088048	6.983077	6.970214	6.89136	6.870491	6.831866	6.841861
FLJ10986	FLJ10986	8.801639	9.30147	8.787869	8.790639	8.734562	8.773724	8.501461	8.873033	8.70921	8.89621	8.668263	8.89991
FLJ10996	FLJ10996	7.090093	7.264636	7.056184	7.502585	7.261841	7.155318	6.927691	7.026585	7.076387	7.053236	6.986674	7.033396
FLJ11000	FLJ11000	7.300798	7.643678	7.216756	7.358121	7.297025	7.677951	7.538003	7.495457	7.548155	7.543269	7.226827	7.527607

FLJ11017	FLJ11017	7.145744	7.39759	7.122052	7.319966	7.264655	7.338573	7.107225	7.196932	7.302916	7.201298	7.037092	7.073914
FLJ11151	FLJ11151	7.0123	7.283085	7.025534	7.293329	7.192429	7.234829	7.139269	7.166242	7.129951	7.13133	7.169107	7.188986
FLJ11155	FLJ11155	7.298485	7.593386	7.918252	8.45303	7.91143	8.403323	8.184005	8.190287	8.410804	8.422434	7.931719	8.432111
FLJ11171	FLJ11171	8.225385	8.714645	8.389861	8.882119	8.979561	9.547197	8.980942	8.98968	8.983285	8.693521	8.483356	8.778987
FLJ11184	FLJ11184	7.404085	7.637836	7.182793	7.305283	7.128779	7.313558	7.270503	7.054964	7.057066	7.002905	7.066592	7.053587
FLJ11193	FLJ11193	7.598939	7.91324	7.732095	7.887903	7.735284	8.041144	7.811722	7.839387	7.724092	7.806453	7.466971	7.762398
FLJ11200	FLJ11200	9.634958	9.907059	9.128612	9.400665	9.692496	10.32366	9.803283	9.854775	9.965016	9.955212	9.662387	9.808436
FLJ11235	FLJ11235	7.055141	7.163455	7.457099	7.491139	7.743765	8.565469	8.070166	8.006306	7.770711	7.978394	7.76327	7.724096
FLJ11259	FLJ11259	8.565927	8.603917	7.869853	8.324021	8.364402	8.103645	7.245295	7.47269	7.494399	7.347777	8.109621	7.894394
FLJ11286	FLJ11286	8.505098	8.549192	7.330033	7.19507	7.326115	7.106088	7.382535	7.292683	7.656721	7.519763	7.267562	7.721268
FLJ11292	FLJ11292	6.944459	7.312988	7.170161	7.46724	7.42156	7.532479	7.785015	7.686096	7.378656	7.485025	7.063319	7.304475
FLJ11305	FLJ11305	12.03015	12.19657	11.72677	11.72667	11.74761	12.37008	11.72333	11.90364	11.80817	11.78038	11.49468	11.48492
FLJ11331	FLJ11331	6.99489	7.201295	7.073574	7.163527	6.89949	7.026487	6.866466	6.873176	6.95559	6.989107	6.895027	6.761189
FLJ11712	FLJ11712	8.714545	9.149709	8.708191	8.463983	8.404681	8.206495	8.612561	7.984475	8.583862	8.608703	7.876127	7.951319
FLJ11783	FLJ11783	7.098994	7.593352	7.111301	7.391144	7.186228	7.311217	7.098848	7.136964	7.188747	7.185368	6.87084	6.864604
FLJ11795	FLJ11795	6.882549	7.14801	6.870706	7.119162	6.943988	6.967259	6.826022	6.961949	6.908563	7.030331	6.868472	6.853795
FLJ11806	FLJ11806	7.378171	7.679919	7.26705	7.507136	7.319554	7.702029	7.354955	7.35234	7.353986	7.275839	7.124602	7.135475
FLJ12056	FLJ12056	6.950951	7.10001	6.849571	7.173779	6.953684	7.012297	6.944895	6.960559	7.080362	7.025563	6.800795	6.89801
FLJ12078	FLJ12078	7.09878	7.545645	7.526476	7.553964	7.41271	7.512249	7.290473	7.28222	7.346955	7.212484	6.976408	7.22737
FLJ12118	FLJ12118	7.94567	8.235574	7.724818	8.189768	8.196851	8.414248	8.208177	8.066691	8.16138	8.26218	7.839363	7.958305
FLJ12331	FLJ12331	6.80872	6.981608	6.760015	6.955994	6.850547	6.918316	6.715363	6.859008	6.890337	6.854696	6.671641	6.770985
FLJ12334	FLJ12334	6.822956	6.944172	6.730069	6.932906	6.857921	6.906005	6.781638	6.839089	6.938886	6.811762	6.682021	6.743781
FLJ12355	FLJ12355	7.199186	7.563333	7.144213	7.489035	7.533233	7.447247	7.257314	7.238893	7.316887	7.042626	7.022034	6.944905
FLJ12505	FLJ12505	11.33973	11.06892	9.163374	8.341014	7.794286	7.135845	7.177394	7.225099	8.266023	7.44838	7.004842	7.193606
FLJ12529	FLJ12529	6.912828	7.241056	6.799972	7.080707	6.984668	7.186013	7.100702	7.017742	6.941092	7.089959	6.865995	7.016953
FLJ12571	FLJ12571	7.681458	8.275157	8.027473	8.166182	7.872881	8.359048	7.9719	8.010193	8.145419	7.965599	7.710691	7.850606
FLJ12649	FLJ12649	7.506932	7.786162	7.437882	7.418268	7.380565	7.688052	7.424217	7.396436	7.379363	7.458976	7.294536	7.405825
FLJ12681	FLJ12681	6.961035	7.123733	7.079949	7.321373	7.385404	7.574562	7.432325	7.445541	7.396697	7.476332	7.40217	7.15941
FLJ12684	FLJ12684	9.073929	8.428558	7.378938	7.298175	7.021349	7.073147	7.001909	7.050199	7.055639	7.006437	6.889195	6.971326
FLJ12688	FLJ12688	7.249335	7.338617	7.054975	7.155074	7.0821	7.120196	6.925214	7.154655	6.973704	6.942606	7.019571	6.972715
FLJ12716	FLJ12716	8.75143	8.995112	8.647301	9.006327	9.019317	9.114247	8.848543	8.927656	8.840135	8.779186	8.689146	8.643817
FLJ12788	FLJ12788	9.215881	9.478938	9.141476	9.133094	9.088782	9.032815	8.644757	9.012905	8.78832	8.64815	8.762117	8.262142
FLJ12886	FLJ12886	7.358863	7.585856	7.287872	7.660408	7.769241	8.186503	7.639524	7.690579	7.607565	7.732014	7.894515	7.648837
FLJ12949	FLJ12949	8.166757	8.339173	7.638642	7.770496	7.656291	7.608329	7.447482	7.400458	7.451444	7.469565	7.169571	7.267221
FLJ12998	FLJ12998	7.321248	7.549986	7.300405	7.657433	7.624622	7.826572	7.784261	7.751159	7.613939	7.670006	7.45622	7.586557
FLJ13096	FLJ13096	7.51623	7.903005	7.32399	7.284718	7.238842	7.290373	7.137886	7.204759	7.202705	7.185376	7.064149	7.186951

FLJ13149	FLJ13149	9.763988	10.01107	9.626852	9.748756	9.3046	10.09903	9.33293	9.539693	9.21248	9.232635	9.225951	9.101604
FLJ13195	FLJ13195	7.545817	8.035524	7.784643	8.222592	8.469459	9.849811	9.327482	9.360164	9.245179	9.500701	9.302347	8.673757
FLJ13197	FLJ13197	6.958766	7.237103	6.876633	7.182853	7.18424	7.26224	7.02737	7.012559	7.172568	7.06386	6.756339	6.922433
FLJ13224	FLJ13224	6.99653	7.082834	6.815354	7.110161	6.98091	7.068437	7.002449	6.997867	6.981801	7.073593	6.790356	6.881458
FLJ13231	FLJ13231	7.027082	7.418964	7.024506	7.365698	7.276513	7.365591	7.135434	7.157649	7.069152	7.081611	6.893675	7.022298
FLJ13236	FLJ13236	6.934994	7.142463	6.954957	7.183007	7.285572	7.070372	7.060874	7.092985	7.187534	7.113261	7.031349	6.993742
FLJ13265	FLJ13265	6.989712	7.144075	6.822295	7.003119	6.995864	7.102849	6.842612	7.094891	6.914218	7.013099	6.942101	6.964349
FLJ13273	FLJ13273	8.644831	9.286797	8.788141	8.851426	8.623603	8.405142	8.574517	8.221728	8.614312	8.665973	8.398434	8.286715
FLJ13305	FLJ13305	8.713023	8.697556	8.133942	8.520272	8.321833	8.297415	8.029441	7.697419	7.844587	7.503037	7.125588	7.464467
FLJ13391	FLJ13391	7.244677	7.530358	7.490543	7.81225	7.896106	7.263297	7.159921	7.42045	7.380488	7.268232	8.201038	7.926666
FLJ13576	FLJ13576	7.345536	7.598368	7.413134	7.620091	7.72078	8.141862	7.90703	8.345151	7.93127	8.101335	7.999461	8.008566
FLJ13611	FLJ13611	7.396739	7.614242	7.328896	7.71147	7.533636	8.304121	7.820987	7.910146	7.792306	7.885833	7.837052	7.839205
FLJ13614	FLJ13614	7.00011	7.245018	7.02761	7.122768	7.09046	7.130049	6.951287	7.032076	6.992795	7.020027	6.947322	6.832758
FLJ13639	FLJ13639	7.235674	7.511014	7.079492	7.290024	7.305717	7.397911	7.228445	7.361173	7.261314	7.357733	7.046898	7.06578
FLJ13841	FLJ13841	6.816971	6.940037	6.826242	7.081562	6.968732	7.004948	6.8493	6.938559	6.843252	6.855339	6.763532	6.741556
FLJ13909	FLJ13909	9.606566	9.612299	8.743105	8.889713	8.405326	7.973921	7.865	7.943898	7.84204	7.886672	7.462825	7.221231
FLJ13910	FLJ13910	7.276947	7.57821	7.365004	7.471097	7.181961	7.296995	7.080592	7.248896	7.068015	7.230974	6.97016	7.282759
FLJ13912	FLJ13912	9.436649	9.935774	9.74704	9.429475	9.093406	9.379874	8.905135	8.834973	8.472358	8.85934	8.360319	8.27311
FLJ13946	FLJ13946	7.314846	7.528209	7.460561	7.631193	7.720081	7.749958	7.436353	7.536352	7.464221	7.535562	7.379546	7.658183
FLJ13984	FLJ13984	7.240606	7.287946	6.976384	7.028799	6.974177	7.12724	7.069152	6.983729	7.03813	7.047456	6.888877	6.868602
FLJ14054	FLJ14054	6.856538	6.832593	6.764601	7.19108	7.473144	7.174761	7.09589	7.197619	7.34523	6.965741	7.645004	7.578444
FLJ14082	FLJ14082	6.984979	7.158356	6.914988	7.024257	6.880863	6.95116	6.870238	7.002994	6.808982	6.982583	6.71113	6.840949
FLJ14107	FLJ14107	6.974789	7.01675	6.851016	6.970093	6.913997	7.066258	6.831041	6.957729	6.919953	6.87918	6.926391	6.797899
FLJ14154	FLJ14154	7.712233	7.941355	7.401359	7.893848	7.620758	7.753948	7.688598	7.48955	7.656708	7.727984	7.619106	7.511607
FLJ14166	FLJ14166	7.55686	7.708855	7.428805	7.496688	7.388097	7.515246	7.436001	7.235882	7.382765	7.405009	7.083267	7.28121
FLJ14186	FLJ14186	6.905964	7.262459	6.762768	7.000533	7.058702	7.041206	6.870347	6.983712	6.804792	7.014418	6.91557	6.940816
FLJ14213	FLJ14213	7.39646	7.561166	7.251779	7.727154	7.4899	7.138554	7.138214	7.181424	7.432032	7.127783	7.436317	7.280152
FLJ14346	FLJ14346	6.963822	7.074815	6.931567	6.951135	6.952036	7.106799	6.872023	6.89253	7.016824	7.120223	6.831848	6.887535
FLJ14397	FLJ14397	6.762182	7.081649	6.785294	7.116232	6.960292	6.987879	6.897694	7.017043	6.932103	7.003074	6.805176	6.865502
FLJ14466	FLJ14466	7.665373	7.960077	7.631085	7.533017	7.383265	7.804635	7.573432	7.603574	7.507578	7.598256	7.494292	7.345541
FLJ14640	FLJ14640	7.178779	7.476933	7.213369	7.479389	7.327597	7.343341	7.20824	7.230293	7.121396	7.120222	7.142755	7.049546
FLJ14668	FLJ14668	11.5615	11.9191	11.23087	11.02216	10.61595	11.20677	10.70161	10.40048	10.51629	10.45708	9.978617	10.20637
FLJ14712	FLJ14712	7.216929	7.653411	7.040158	7.440207	7.244825	7.497077	7.36325	7.264038	7.167798	7.091841	6.987714	7.08958
FLJ14768	FLJ14768	8.119316	8.430858	8.063061	8.499922	8.312234	8.536677	7.944496	8.024366	8.006433	8.0672	7.811754	7.877398
FLJ14803	FLJ14803	9.624602	10.08323	9.812473	9.895189	9.728308	9.739417	8.96698	8.958083	8.869683	8.617371	8.856534	9.003934
FLJ14816	FLJ14816	6.767861	6.966237	6.719963	6.9737	6.827059	6.855808	6.76287	6.941958	6.887505	6.835698	6.745372	6.777668

FLJ14834	FLJ14834	7.159149	7.221843	6.887071	6.822341	6.97254	6.845196	6.79766	6.976777	6.991396	6.881215	7.04771	7.009837
FLJ16008	FLJ16008	7.258972	7.471705	7.486029	7.928523	7.631972	7.193426	7.137308	7.164788	7.263896	7.008454	7.123099	7.002132
FLJ16124	FLJ16124	6.797495	6.972746	6.753574	6.862443	6.944206	6.844861	6.838379	6.928612	6.740233	6.899547	6.735307	6.835478
FLJ16165	FLJ16165	6.855796	7.013882	6.911378	6.96776	7.023821	7.089401	6.891857	6.988077	6.970582	7.030763	6.796666	6.714966
FLJ16171	FLJ16171	6.848912	6.958586	6.783246	6.973811	6.867091	7.049428	6.822539	6.934727	6.923252	6.885294	6.804851	6.728407
FLJ16231	FLJ16231	7.688	7.796767	7.789307	8.676596	7.864173	7.7157	7.234716	7.433813	7.261291	7.089361	7.09145	6.959205
FLJ16237	FLJ16237	6.935068	7.072236	6.894703	7.028715	6.835816	7.08051	6.944198	6.95346	6.997486	7.028004	6.876657	6.967372
FLJ16323	FLJ16323	6.97834	7.230995	7.094671	7.079482	7.076155	6.997694	7.024259	7.050909	6.93284	7.001543	6.895846	6.881004
FLJ16331	FLJ16331	7.048301	7.130055	6.910838	6.937895	7.01869	7.040349	6.858974	6.897128	6.869795	6.964588	6.974175	6.862071
FLJ16369	FLJ16369	6.766554	6.97578	6.752181	6.975352	6.922179	6.928404	6.787644	6.92102	6.781837	6.817238	6.810357	6.789658
FLJ16478	FLJ16478	6.86393	7.059514	6.864016	7.016125	6.837946	6.93628	6.865692	6.95753	6.783606	6.999217	6.758158	6.793185
FLJ16542	FLJ16542	8.262256	8.323347	8.438178	8.453189	8.035574	7.933302	7.498913	7.465968	7.486131	7.372148	7.056198	7.163242
FLJ16636	FLJ16636	7.132078	7.423051	7.025168	7.355948	7.129279	7.126895	6.927235	6.856425	6.900533	6.914325	6.737851	6.789673
FLJ16641	FLJ16641	6.921711	7.16374	6.911717	7.052059	6.950702	7.053967	6.92296	6.982012	6.916795	7.069822	6.937887	6.980096
FLJ16686	FLJ16686	7.034159	7.126454	6.952298	7.135668	6.977754	7.002278	7.050035	7.072274	6.942182	7.095454	6.84995	6.944315
FLJ16734	FLJ16734	7.028596	7.238463	6.893554	7.220547	7.188714	7.149864	6.995107	7.067277	7.166285	7.207272	6.942283	7.017465
FLJ16793	FLJ16793	6.971264	7.105516	6.920629	7.139944	7.02414	6.945322	6.852605	7.045826	7.082944	6.938454	6.713364	6.929361
FLJ20021	FLJ20021	7.465525	7.986375	7.757538	8.29511	8.429782	8.710246	7.967227	7.767074	7.945285	7.626006	7.723038	7.913531
FLJ20032	FLJ20032	6.982993	7.128913	6.903609	7.075235	7.010639	7.009815	6.945312	7.052616	7.008312	6.922349	6.898882	7.004933
FLJ20035	FLJ20035	7.07189	7.39211	6.963155	7.100317	7.141895	7.548787	7.448566	7.769017	7.4565	7.930326	7.950618	8.001278
FLJ20054	FLJ20054	7.547383	7.741224	7.97022	8.948635	9.490905	9.829062	9.528101	9.526836	9.133961	9.411535	9.042271	9.169333
FLJ20097	FLJ20097	7.108207	7.437067	7.137438	7.332372	7.451994	8.007404	7.647082	7.603786	7.84923	7.705324	7.365435	7.591125
FLJ20105	FLJ20105	8.285601	8.721541	8.218222	8.135197	7.452146	7.296785	7.170792	7.206137	7.185378	7.09511	6.93237	7.007737
FLJ20125	FLJ20125	7.845019	8.396251	7.965983	7.928619	7.70171	8.715366	8.206339	8.381413	8.365117	8.297729	8.23449	7.890538
FLJ20130	FLJ20130	8.51482	8.744716	8.692827	9.263244	9.236577	10.31944	9.143968	8.952932	8.731262	8.580763	7.889929	7.668528
FLJ20152	FLJ20152	7.09705	7.634296	7.25232	8.203667	7.836152	9.54812	9.429176	9.615095	9.671902	9.967904	9.231367	10.05218
FLJ20160	FLJ20160	7.256006	7.485994	7.189594	7.224393	7.101362	7.425959	7.614758	7.903576	8.178047	8.436851	8.563404	8.778622
FLJ20184	FLJ20184	6.788362	6.940954	6.653825	6.95445	6.948863	6.848936	6.841807	6.84698	6.87974	7.018369	6.655112	6.807679
FLJ20186	FLJ20186	8.781127	9.120593	8.780235	9.368351	9.059365	9.243482	9.020667	9.071396	9.156309	9.202038	9.341326	8.886946
FLJ20209	FLJ20209	7.141432	7.277719	6.946866	7.271604	7.102282	7.10834	6.959497	7.125726	7.052914	7.091071	6.971692	7.085804
FLJ20232	FLJ20232	10.09088	9.843239	9.770404	10.07486	9.928736	9.904341	9.45261	9.369388	9.36736	9.208737	8.948874	9.121024
FLJ20245	FLJ20245	7.105397	7.479379	6.916078	7.136305	7.070314	7.265748	7.056605	7.154535	7.069974	6.946247	7.320635	7.204762
FLJ20254	FLJ20254	7.596002	7.609058	7.375461	7.986674	7.948619	7.776274	7.635028	7.885759	7.722109	7.894886	8.00571	7.832437
FLJ20272	FLJ20272	10.1263	10.69618	9.808866	9.776795	9.302961	9.512572	9.376343	9.207244	9.483248	9.373909	9.387566	9.364312
FLJ20273	FLJ20273	8.999633	9.285363	8.01713	7.61893	7.738192	6.918409	6.885159	6.938542	6.933597	6.937683	6.792098	6.843145
FLJ20280	FLJ20280	9.138593	9.18895	8.796264	8.908736	8.895099	8.991868	8.557598	8.515183	8.526098	8.477521	8.417251	8.345073

FLJ20294	FLJ20294	7.018625	7.250291	7.020171	7.174159	7.072467	7.238759	7.123817	6.988342	7.030096	7.08842	6.965887	7.004039
FLJ20297	FLJ20297	7.152476	7.422677	7.022269	7.331245	7.113392	7.183661	7.030755	7.178393	7.042593	7.037568	6.956487	6.986499
FLJ20298	FLJ20298	6.98899	7.12125	6.847821	7.089795	7.085755	7.147798	7.072222	7.205542	7.125782	7.174592	7.242824	7.26385
FLJ20309	FLJ20309	7.036068	7.261323	7.085465	7.114574	7.090752	7.031088	7.077583	6.993212	7.029612	7.164656	6.794584	7.134321
FLJ20323	FLJ20323	9.50477	9.854417	9.171306	9.226957	8.867057	9.149938	8.68196	8.886463	8.786438	8.764495	8.448819	8.451902
FLJ20364	FLJ20364	9.951159	10.33218	10.37219	10.17869	10.02999	10.03405	9.480592	9.516096	9.353328	9.162652	8.862558	8.790983
FLJ20366	FLJ20366	6.816479	7.037371	6.901668	7.200337	7.113732	7.271083	7.010832	7.055911	7.217921	6.893675	6.911028	6.893391
FLJ20397	FLJ20397	8.0951	8.246637	7.84597	8.077175	7.833791	7.941621	7.628508	7.699306	7.604074	7.610421	7.610888	7.810661
FLJ20422	FLJ20422	7.421285	7.604538	7.261366	7.570668	7.443473	7.824675	7.541128	7.55922	7.538568	7.607028	7.55225	7.481041
FLJ20433	FLJ20433	6.932517	6.902331	6.798739	7.07341	7.144016	7.54963	7.228992	7.310443	7.203033	7.278303	7.047644	6.932805
FLJ20444	FLJ20444	6.953889	7.180418	6.926402	7.091594	7.012192	7.076295	7.015464	7.050482	7.096021	7.06242	6.851974	7.025347
FLJ20464	FLJ20464	6.904665	7.22384	6.974271	7.093493	7.112131	7.230139	7.084333	7.10459	7.049398	7.083505	6.945934	6.908719
FLJ20489	FLJ20489	7.257109	7.35491	7.097518	7.571753	7.639144	7.899058	7.862595	7.912759	7.792984	7.94296	7.906196	7.856694
FLJ20512	FLJ20512	10.64774	11.04881	10.1641	10.10893	10.21015	9.967688	9.963145	9.873219	9.925718	9.834699	9.812393	9.664865
FLJ20516	FLJ20516	8.832549	9.299424	8.838778	8.188844	7.863893	8.520801	7.819622	7.632463	7.658984	7.773932	7.616034	7.469774
FLJ20534	FLJ20534	9.746696	9.932771	9.439227	9.461203	9.764799	10.30869	9.822359	9.886018	10.03605	9.962399	9.638909	9.539591
FLJ20551	FLJ20551	8.609247	8.904143	8.42655	8.538989	8.231244	8.15848	7.938057	8.223792	8.03357	8.15393	8.148747	8.28281
FLJ20558	FLJ20558	8.412763	9.183488	8.652868	8.944116	8.869435	9.197241	8.912436	8.84747	9.059219	8.836183	8.37928	9.024906
FLJ20581	FLJ20581	6.919666	7.153544	6.877647	7.080263	6.97718	7.082946	6.915487	6.996045	6.961761	7.023775	6.838971	6.864146
FLJ20582	FLJ20582	10.88996	11.14702	9.857401	9.754974	9.691326	10.0185	9.446349	9.462091	9.427046	9.197794	9.030856	9.467793
FLJ20625	FLJ20625	10.20268	10.58619	10.1246	10.32399	10.15841	10.59257	10.19924	10.71276	10.24336	10.77867	11.15752	10.53713
FLJ20628	FLJ20628	8.667174	8.864167	8.358859	8.278162	8.025128	8.376597	8.055759	8.006974	8.08158	8.214088	7.972581	8.091963
FLJ20643	FLJ20643	9.514271	9.691983	9.084782	9.204783	8.94298	9.131191	8.769832	8.781469	8.420519	8.493386	8.535518	8.18086
FLJ20647	FLJ20647	10.6222	10.90521	9.861635	9.560056	9.111836	8.736418	8.519394	8.70829	9.109141	8.542253	9.641492	8.978224
FLJ20674	FLJ20674	8.636528	9.67296	8.292237	7.446465	7.243498	7.277522	7.004657	7.054985	7.019298	7.103938	7.069224	6.987097
FLJ20699	FLJ20699	8.732805	8.965963	8.955905	9.426453	9.015183	9.236285	8.896057	9.015242	8.811248	9.112834	9.057083	8.80353
FLJ20701	FLJ20701	7.273526	7.524364	7.055728	7.629945	7.833681	7.442737	7.192161	7.379949	7.610808	7.312324	7.467969	7.160622
FLJ20712	FLJ20712	6.797203	7.148766	6.850634	7.227752	6.948363	7.033959	6.882152	6.925323	6.951698	7.008889	6.842295	7.040065
FLJ20718	FLJ20718	8.316721	8.678228	8.231269	8.211161	8.135709	8.857538	8.188441	8.160936	8.052478	7.855633	7.849011	7.677953
FLJ20758	FLJ20758	7.036461	7.215075	6.917449	7.123729	7.162951	7.374869	6.988336	7.095557	7.051837	7.169384	6.838923	7.057641
FLJ20850	FLJ20850	7.33033	7.58478	7.108956	7.31249	7.177303	7.132156	6.952501	6.990002	7.044943	7.074686	6.847335	6.963226
FLJ20859	FLJ20859	10.11301	10.18066	9.624731	10.04285	9.846864	10.18734	9.765908	9.899268	9.62881	9.790089	9.573979	9.364173
FLJ20920	FLJ20920	7.019934	7.19102	7.286068	7.518086	7.608393	8.384476	8.257089	8.113801	7.980598	7.951398	7.400058	7.731857
FLJ20972	FLJ20972	6.926323	7.212435	6.869049	7.138291	7.034216	7.091893	6.957715	6.954833	6.94066	6.916087	6.819559	6.929781
FLJ21062	FLJ21062	7.883802	8.425319	8.244791	8.026249	7.861699	8.011759	7.423131	7.555366	7.527083	7.491641	7.280598	7.405217
FLJ21075	FLJ21075	6.814147	7.147591	6.886828	7.045311	6.994723	7.01489	6.986003	6.925717	7.02194	7.050557	7.008884	6.84464

FLJ21103	FLJ21103	7.901142	8.324873	7.939729	8.069729	7.64988	8.143525	7.83114	7.858456	7.809888	7.730248	7.581089	7.612939
FLJ21106	FLJ21106	7.426922	7.826505	7.534038	7.696377	7.873998	8.954161	8.699385	8.956855	8.463255	8.650182	8.263452	7.856268
FLJ21125	FLJ21125	8.239971	8.265369	7.7563	8.248871	8.225015	7.946673	7.573473	7.788316	7.916245	7.821657	7.714634	7.548551
FLJ21127	FLJ21127	7.906107	8.645255	8.551081	9.267147	9.366698	9.075268	9.080055	9.02256	9.056235	9.017471	8.683413	8.707797
FLJ21159	FLJ21159	7.034484	7.215778	7.056918	7.162102	7.178838	7.505765	7.179241	7.276705	7.191777	7.086787	7.025268	6.957232
FLJ21438	FLJ21438	7.317373	7.307416	6.950221	7.175849	6.979319	7.108121	7.090857	7.002319	6.892391	7.054958	6.872279	6.990212
FLJ21511	FLJ21511	6.798883	6.907055	6.931244	6.953304	6.946826	7.039696	6.796479	6.972018	6.807398	6.900928	6.816244	6.850835
FLJ21687	FLJ21687	7.033029	7.155482	6.902674	7.08535	6.937638	7.048006	6.936826	7.025452	6.950566	7.032704	6.951773	6.883851
FLJ21736	FLJ21736	6.91434	7.099612	6.777939	7.058543	6.910417	6.9405	6.884945	6.884797	6.860399	6.852896	6.971247	6.796837
FLJ21742	FLJ21742	7.519801	8.084388	7.454004	7.975463	8.11803	7.990419	7.984915	7.653491	7.816611	7.626514	7.102058	7.607618
FLJ21749	FLJ21749	8.721058	9.133717	8.929345	9.087244	9.301271	9.884373	9.550186	9.692055	9.632183	9.880264	10.03354	9.37231
FLJ21816	FLJ21816	8.296293	8.847326	8.276911	8.450833	7.937583	7.870248	7.605429	7.635821	7.580065	7.610882	7.328697	7.386439
FLJ21820	FLJ21820	8.6233	9.140906	8.779408	9.252457	8.839234	8.904942	8.50692	8.597925	8.381646	8.361648	8.104411	7.924504
FLJ21827	FLJ21827	7.592123	8.133117	7.901775	8.162285	8.04862	8.09898	7.962145	8.066035	8.237861	8.153886	8.089376	8.345483
FLJ21839	FLJ21839	8.463806	8.540108	8.415921	8.725285	8.676135	8.472067	8.05284	8.168604	7.92234	8.098105	7.910195	7.835577
FLJ21865	FLJ21865	7.629646	7.600755	7.392857	7.728724	7.542133	7.985573	7.814928	7.925961	7.805245	7.947325	7.700882	7.732693
FLJ21901	FLJ21901	8.944303	9.126357	8.37498	8.742308	8.742352	10.14037	9.404467	9.423819	9.166037	9.282787	8.633003	8.789288
FLJ21908	FLJ21908	8.923238	9.167352	9.035839	9.038093	8.816491	9.541052	9.006565	9.205998	9.038601	8.970569	8.871343	8.789545
FLJ21945	FLJ21945	9.809156	10.24987	9.243244	9.363162	9.129074	9.287994	8.920353	8.896627	8.984379	8.69226	8.528277	8.649438
FLJ21963	FLJ21963	6.92595	7.155013	6.926828	7.026067	6.942905	7.015566	6.986874	6.961619	6.982379	6.891606	6.813835	6.86196
FLJ21986	FLJ21986	6.829666	7.115701	6.88659	9.315564	9.74814	7.884087	7.47796	7.28419	7.719581	7.084718	7.108237	7.105781
FLJ22028	FLJ22028	6.921239	7.197179	6.975384	7.126004	7.120836	7.306085	7.196983	7.262447	7.182657	7.304341	7.22002	7.244808
FLJ22104	FLJ22104	9.409887	9.574506	9.073051	9.783306	9.624538	10.18795	9.255183	8.828958	8.847567	8.509841	8.020051	8.281816
FLJ22167	FLJ22167	7.251084	7.372264	7.301658	7.49762	7.364703	7.366165	7.332589	7.492684	7.431935	7.412448	7.293436	7.296567
FLJ22184	FLJ22184	10.63613	10.5706	8.924163	8.848154	8.702038	8.557597	8.511	8.263978	8.823179	8.108505	7.634085	7.814555
FLJ22222	FLJ22222	7.486569	7.747031	7.437612	7.693518	7.729511	7.763793	7.603617	7.736947	7.622269	7.726686	7.620533	7.649538
FLJ22269	FLJ22269	6.810429	6.983516	6.851931	6.904184	6.837026	6.954162	6.816156	6.859098	6.99232	6.867669	6.829516	6.720182
FLJ22318	FLJ22318	8.468243	8.703359	7.619073	7.832381	7.8318	8.235094	8.126327	8.262122	8.214289	8.398988	8.152144	8.230576
FLJ22349	FLJ22349	7.198546	7.60691	7.147795	7.347332	7.259349	7.279594	7.207524	7.24583	7.066201	7.207037	7.17292	7.1507
FLJ22374	FLJ22374	7.047019	7.557848	7.192211	7.86822	7.988529	7.601979	7.465908	7.546499	7.565037	7.376093	7.033581	7.232344
FLJ22386	FLJ22386	7.60411	7.958055	7.49929	7.9836	8.263936	9.400331	9.365689	9.307357	9.008572	9.15781	8.856588	8.232822
FLJ22471	FLJ22471	7.207344	7.223438	9.589994	10.7073	10.96283	11.22482	11.0853	11.12291	11.10447	11.0583	10.43824	11.01889
FLJ22531	FLJ22531	8.46616	9.178409	8.075998	8.408944	8.339264	7.750266	7.574676	7.490943	7.757517	7.428512	7.235386	7.307753
FLJ22555	FLJ22555	10.40883	11.15834	10.21055	10.15816	10.17085	11.17212	10.46704	10.50471	10.43404	10.47798	10.51365	10.16367
FLJ22624	FLJ22624	9.06238	9.653421	9.333321	9.041618	8.52863	7.92939	7.626507	7.689135	7.615536	7.499536	7.160968	7.053001
FLJ22639	FLJ22639	7.322796	7.475315	7.206078	7.292808	7.523341	7.682561	7.317913	7.261022	7.403766	7.223224	7.143596	7.081877

FLJ22662	FLJ22662	8.882228	8.771688	8.575232	8.672371	7.788188	8.172608	8.122281	8.490524	8.129308	8.279249	7.752607	8.229159
FLJ22671	FLJ22671	6.857778	7.163774	6.795934	6.991962	6.895527	7.008851	6.920406	6.908691	6.810902	6.868524	6.808328	6.909153
FLJ22688	FLJ22688	7.419775	7.813655	7.186238	7.311795	7.472198	7.608859	7.367833	7.381058	7.31718	7.609718	7.397243	7.508769
FLJ22709	FLJ22709	9.06866	8.837605	8.26325	8.376125	8.418231	8.422577	8.396461	8.638733	8.547494	8.660699	8.793654	8.571322
FLJ22746	FLJ22746	8.376268	7.88732	7.428205	7.309036	7.262331	7.173212	6.99792	7.002183	7.016942	6.96693	6.730891	6.878124
FLJ22795	FLJ22795	9.383401	9.875155	9.445593	9.640314	9.583759	9.349385	9.435653	8.900831	9.605553	9.143823	8.125685	9.222794
FLJ23049	FLJ23049	7.320332	7.660349	7.332732	7.606461	7.495126	7.658729	7.33023	7.32019	7.316043	7.371344	7.099968	7.266413
FLJ23152	FLJ23152	7.003191	7.401731	7.074304	7.289405	7.305321	7.459635	7.550017	7.747025	7.46532	7.704714	7.102483	7.167219
FLJ23172	FLJ23172	6.764238	7.035521	6.711741	6.98618	6.903639	6.830784	6.760789	6.815823	6.893752	6.998666	6.701628	6.823151
FLJ23191	FLJ23191	7.275183	7.214857	7.651866	9.341728	8.989498	8.297918	7.299119	7.267689	7.1398	7.14179	6.937515	7.371908
FLJ23322	FLJ23322	7.460544	7.577848	7.216721	7.386997	7.181936	7.647936	7.48784	7.32116	7.287561	7.330246	6.964272	7.088765
FLJ23356	FLJ23356	6.938452	7.016604	6.933201	7.069926	7.003984	7.059107	6.946396	7.083828	6.890213	6.891802	6.838747	6.880093
FLJ23436	FLJ23436	7.187421	7.464451	7.172577	7.391811	7.227631	7.705358	7.186875	7.261905	7.289369	7.2568	7.056936	7.314515
FLJ23447	FLJ23447	6.811131	7.11108	6.782141	7.007287	6.948882	7.035422	6.934774	7.00016	6.896272	7.070711	6.745275	6.907112
FLJ23514	FLJ23514	7.01521	7.031773	7.274385	8.247727	7.255904	7.244286	6.981016	7.153831	7.01955	7.040631	7.125064	6.879041
FLJ23518	FLJ23518	6.844472	6.996147	6.847149	6.950349	6.989007	6.910091	6.745729	6.913976	6.952341	6.889977	6.75472	6.882173
FLJ23554	FLJ23554	6.972183	7.056798	6.960308	7.213802	7.124694	7.023781	7.02303	7.201389	7.115801	7.153948	7.166042	7.187469
FLJ23577	FLJ23577	6.891216	7.131644	6.859201	7.097802	7.022678	7.166474	6.981279	6.941852	6.953644	6.933702	6.886236	6.885284
FLJ23584	FLJ23584	7.882163	8.235218	7.56286	8.084718	7.901541	8.012518	7.797923	7.913562	7.856659	7.808231	7.581774	7.428565
FLJ23588	FLJ23588	6.915293	7.129925	6.877638	7.140636	7.049831	7.135405	7.014997	7.066206	6.999989	7.018063	6.86947	6.905359
FLJ23657	FLJ23657	6.767659	7.071154	6.67301	6.952438	6.835748	7.022295	6.821105	6.831935	6.932154	6.93552	6.777591	6.773749
FLJ23754	FLJ23754	6.972366	7.099601	7.246713	7.695858	7.512681	7.324541	7.195286	7.349164	7.093531	7.028857	6.910497	7.009055
FLJ23834	FLJ23834	7.299394	7.112686	7.123459	7.093658	7.115965	7.062304	7.135152	7.125021	7.128006	6.927716	6.852676	6.803338
FLJ23861	FLJ23861	6.904677	7.170951	6.830219	7.186377	7.20834	7.230222	7.044416	7.086877	7.052842	7.245748	6.773073	7.070635
FLJ23878	FLJ23878	6.862164	6.953194	6.771295	7.108905	7.073554	7.287751	7.191361	6.952184	7.120123	7.095019	6.805587	7.034725
FLJ25006	FLJ25006	7.648237	7.882035	7.25635	7.602086	7.43293	7.711853	7.553485	7.539547	7.413905	7.35729	7.075784	7.205109
FLJ25037	FLJ25037	7.216982	7.423401	7.108568	7.406878	7.280629	7.44228	7.049385	7.328025	7.257213	7.312516	7.057106	7.084961
FLJ25067	FLJ25067	7.623648	7.672901	7.377631	7.781525	7.837251	8.395185	7.913242	8.006682	8.022772	7.955314	7.754623	7.974576
FLJ25076	FLJ25076	6.86174	7.021826	6.829233	7.007689	6.89063	6.893525	6.847868	6.957503	6.836163	6.870059	6.85605	6.855049
FLJ25084	FLJ25084	7.10862	7.171709	6.878718	7.227769	7.373302	7.771272	7.481788	7.381223	7.224025	7.186249	7.042548	7.112751
FLJ25102	FLJ25102	7.435111	7.438434	7.199999	7.445173	7.161492	7.27927	7.054032	7.070235	7.05716	7.068251	7.013555	6.987808
FLJ25143	FLJ25143	7.18322	7.243621	7.092759	7.186321	7.099583	7.074817	6.994142	7.086844	7.003965	7.098985	7.079371	6.991189
FLJ25169	FLJ25169	7.095274	7.156232	6.909633	7.145592	7.061283	7.217231	7.1017	7.052936	7.033284	7.137399	6.956293	6.994919
FLJ25222	FLJ25222	8.852147	9.395606	9.081782	9.683813	9.899653	9.542635	9.313802	9.404611	9.304898	9.384245	8.834756	8.917168
FLJ25328	FLJ25328	7.050818	6.963924	6.783806	7.099871	6.857651	6.879621	6.818919	6.897758	6.90123	6.917067	6.768327	6.857148
FLJ25369	FLJ25369	6.814398	7.039279	6.793738	6.913442	6.873829	6.851575	6.812355	6.860829	6.88861	6.804347	6.745535	6.743647

FLJ25371	FLJ25371	6.914957	7.022419	6.888075	7.091582	6.956272	7.151961	6.970912	6.959159	6.913199	7.010497	6.751893	6.906431
FLJ25378	FLJ25378	6.895117	7.148646	6.808018	7.006924	6.971886	7.000007	6.862553	7.008144	6.956204	6.917378	6.81857	6.7057
FLJ25410	FLJ25410	7.078976	7.241501	6.91077	7.19826	6.972902	7.234471	7.073777	6.967888	6.925992	7.197653	6.94919	6.999585
FLJ25416	FLJ25416	9.702562	9.845654	9.544384	9.460281	8.63881	8.258674	7.82369	7.79176	7.768401	7.667813	7.343522	7.14227
FLJ25421	FLJ25421	6.877033	7.225461	6.831381	7.168688	6.925382	7.030051	6.895706	6.984479	7.089622	6.922614	6.767206	6.939082
FLJ25439	FLJ25439	7.065855	7.315798	6.977312	7.150123	7.049832	7.160201	7.045177	7.136817	7.054415	7.143129	6.931527	6.916684
FLJ25444	FLJ25444	6.871542	6.846033	6.646626	6.91232	6.88154	6.908104	6.80488	6.87915	6.779509	6.916145	6.70248	6.780592
FLJ25476	FLJ25476	9.245315	9.191206	9.059323	9.79151	9.93836	9.674383	9.632726	9.725019	9.745908	9.572342	9.306811	9.322658
FLJ25477	FLJ25477	7.215357	7.441025	7.060618	7.265497	7.110667	7.252133	7.155347	7.055356	6.94166	7.122622	7.028634	6.995107
FLJ25660	FLJ25660	6.921904	7.312803	6.860017	7.122692	7.035764	6.946857	6.947416	6.984238	7.026776	7.077972	6.949377	6.938611
FLJ25680	FLJ25680	7.012425	7.101192	6.908788	7.059872	6.988302	7.092586	7.003652	6.989891	6.841875	6.947382	6.785683	6.918819
FLJ25715	FLJ25715	6.996093	7.134968	6.826597	7.101689	6.954617	6.955106	6.96703	7.012139	7.004297	7.090106	6.824807	6.885321
FLJ25758	FLJ25758	6.860399	6.996234	6.88901	7.011326	6.926882	6.960319	6.888393	6.873417	6.826042	6.973786	6.820983	6.846109
FLJ25770	FLJ25770	6.772696	6.837903	6.684787	7.000102	6.803623	7.030351	6.74484	6.854358	6.909303	6.938775	6.718111	6.682455
FLJ25773	FLJ25773	6.864575	7.070271	6.873195	7.039964	6.967795	6.99655	6.809887	6.91563	6.860154	6.983395	6.968744	6.799696
FLJ25778	FLJ25778	8.46622	8.373199	7.998109	8.297341	7.991561	7.686012	7.627933	7.51417	7.518712	7.336284	7.197633	7.607794
FLJ25791	FLJ25791	6.899392	6.945176	6.710562	7.057408	6.981275	7.023558	6.925267	6.984354	6.90226	6.965102	6.850891	6.838099
FLJ25801	FLJ25801	10.26694	11.21487	8.704721	7.877054	7.242875	6.977392	6.941798	6.831842	6.788421	6.840479	6.931316	6.913597
FLJ25976	FLJ25976	6.745149	7.177421	6.746543	6.94919	6.958014	6.916306	6.795028	6.900962	6.899578	6.982953	6.661406	6.917823
FLJ25996	FLJ25996	6.845876	6.988672	6.744104	6.950277	6.890228	6.848971	6.873439	6.838414	6.879516	6.8641	6.699355	6.684147
FLJ26056	FLJ26056	6.979822	7.02983	6.920776	7.0173	6.959857	6.979855	6.855681	6.970156	7.004516	6.915205	6.62218	6.807441
FLJ26175	FLJ26175	7.514061	7.924671	7.579204	7.71817	7.396681	7.300787	7.175255	7.208594	7.142442	7.087837	7.156035	7.095866
FLJ26443	FLJ26443	6.979705	7.133232	6.835565	7.067622	6.945666	7.068589	6.869157	6.991851	6.924922	7.042461	6.876018	6.879706
FLJ26850	FLJ26850	7.139782	7.507423	7.162736	7.194445	7.194413	7.44428	7.282106	7.213378	7.233406	7.316072	7.147963	7.203192
FLJ27255	FLJ27255	6.995127	7.187808	6.955085	7.150165	7.032111	7.125228	7.090371	7.006548	6.997672	6.920002	6.827225	6.978027
FLJ27354	FLJ27354	6.888751	7.275292	6.764031	7.130334	7.159725	7.447323	7.44927	7.476007	7.588931	7.800412	7.464669	7.60478
FLJ27365	FLJ27365	7.019146	7.246569	6.991322	7.161539	7.054202	7.039269	6.972045	7.066443	7.129964	7.029938	7.016572	6.967717
FLJ27465	FLJ27465	6.870844	7.134976	6.810203	7.063466	6.969215	7.061982	6.974582	6.950823	6.944017	6.941868	6.857798	6.918816
FLJ27505	FLJ27505	6.748637	7.060408	6.718608	6.904486	6.890893	6.946469	6.776246	7.02349	6.807377	6.974353	6.729217	6.741261
FLJ27523	FLJ27523	6.944264	7.083672	6.902794	7.11317	6.942171	7.132459	6.923282	7.047617	6.937285	7.051412	6.85018	6.926294
FLJ30046	FLJ30046	8.898457	9.342715	7.787571	7.985116	8.059094	8.417114	8.182722	8.122639	8.413662	8.166698	7.692234	8.146764
FLJ30058	FLJ30058	7.601205	7.878061	7.52226	7.547276	7.346691	7.861347	7.695858	7.698666	7.539406	7.790677	7.379439	7.505143
FLJ30092	FLJ30092	7.059384	7.30549	7.034608	7.203413	7.253029	7.218111	7.071353	7.121032	7.138719	7.151216	6.82577	6.940746
FLJ30277	FLJ30277	7.300562	7.311394	6.906731	7.064167	7.091307	7.060796	7.092228	7.128466	7.209511	7.189376	6.801714	7.085815
FLJ30294	FLJ30294	6.910072	7.215612	6.86329	7.181334	7.119515	7.260764	7.151816	7.289015	7.579952	7.412099	6.957943	7.157169
FLJ30313	FLJ30313	6.906923	6.874743	6.750002	7.205062	7.44899	7.365461	7.232457	7.240879	6.963506	7.143596	6.856945	6.865072

FLJ30430	FLJ30430	6.949386	7.175725	6.863621	7.101233	7.031268	7.207777	7.015418	7.014282	6.853398	6.896366	6.865124	6.815679
FLJ30596	FLJ30596	7.501701	7.778047	7.556494	7.861006	7.804689	8.3253	8.134241	7.767677	7.937843	8.043153	7.560731	8.004747
FLJ30655	FLJ30655	7.147715	7.350794	7.163961	7.519809	7.318623	7.523094	7.411243	7.44479	7.314367	7.390198	7.09244	7.193367
FLJ30679	FLJ30679	6.892526	7.171321	6.821081	7.111896	6.998102	7.048528	6.936912	6.998415	6.877383	7.075547	6.785644	6.823592
FLJ30707	FLJ30707	7.150096	7.301883	7.057136	6.986997	6.864762	6.978038	6.921372	7.047067	6.87372	7.00227	6.940254	6.935241
FLJ30719	FLJ30719	6.723842	7.168727	6.833474	7.081339	6.944591	6.945858	6.848338	7.020383	6.909627	6.92529	6.804441	6.766843
FLJ30834	FLJ30834	7.059606	7.503525	7.072582	7.267695	6.988944	7.123855	6.839881	7.011265	7.05466	7.166048	6.922747	6.972107
FLJ30851	FLJ30851	6.773493	7.004852	6.895708	7.118861	6.908829	6.993311	6.846097	7.002388	6.83984	6.9448	6.720086	6.899752
FLJ30934	FLJ30934	7.055962	7.394738	6.989196	7.198947	7.056927	7.289565	7.123134	7.062674	7.052976	7.236527	6.827429	7.076942
FLJ30990	FLJ30990	6.939128	7.30592	7.077603	7.245264	7.191927	7.300882	7.133321	7.189154	7.028779	7.12267	7.112222	7.100125
FLJ31132	FLJ31132	7.008921	7.226299	7.173547	7.384772	7.276667	7.067972	6.8835	6.982465	7.067389	7.050817	6.917989	6.941899
FLJ31196	FLJ31196	6.844786	6.940688	6.741542	7.045758	6.974433	7.03366	6.908466	6.938162	6.922119	6.985025	6.720254	6.811121
FLJ31204	FLJ31204	7.243496	7.648679	7.176704	7.213906	7.14992	7.229347	7.15192	7.193261	7.159557	7.172915	6.992887	7.072901
FLJ31222	FLJ31222	6.855207	6.967777	6.945656	6.869407	6.90089	6.841748	6.894713	6.7902	6.780616	6.872917	6.793448	6.810142
FLJ31401	FLJ31401	6.856776	6.986939	6.854735	6.993756	6.930972	6.924399	6.786962	6.902669	6.912297	6.866372	6.777411	6.809261
FLJ31413	FLJ31413	9.349087	9.578441	9.309477	9.636282	9.39339	9.825703	9.09638	9.078597	9.037606	8.934426	8.922159	8.898422
FLJ31438	FLJ31438	7.205082	7.811462	7.537589	8.139297	7.982208	8.18828	8.03935	7.789675	7.921101	7.77656	7.406894	7.796584
FLJ31568	FLJ31568	6.8883	7.132327	7.245643	7.641914	7.822521	7.373296	7.16662	7.20761	7.303619	6.963099	6.816016	6.869037
FLJ31659	FLJ31659	7.050927	7.224721	6.951019	7.208079	7.305381	7.561112	7.102549	7.302347	7.307151	7.342648	7.082525	7.141218
FLJ31846	FLJ31846	6.883527	7.037345	6.872157	7.07684	6.917691	6.992896	6.830564	6.975948	6.850615	7.005401	6.889325	6.927906
FLJ31875	FLJ31875	7.188374	7.193706	7.034427	7.21361	7.139698	7.284495	6.955053	7.169628	7.071804	7.14659	7.045178	6.959353
FLJ31945	FLJ31945	6.952425	7.100818	6.863232	7.071386	6.949831	7.075766	6.882499	6.962608	6.978696	7.037243	6.839472	6.973414
FLJ31951	FLJ31951	9.345851	9.538182	9.362814	9.732446	9.69061	9.766992	9.589585	9.237367	9.386177	9.026993	9.20228	9.252719
FLJ32011	FLJ32011	7.308091	7.276639	7.160828	7.290463	7.367096	7.104491	7.211975	7.16197	7.109709	7.22676	6.961236	7.02055
FLJ32063	FLJ32063	7.083919	7.14773	6.853028	7.152383	7.06658	7.19346	6.97162	7.170302	7.039206	7.16654	6.9236	6.929949
FLJ32065	FLJ32065	6.986469	7.123333	6.968024	7.085811	7.059072	7.153073	7.001136	7.009013	6.910543	7.168864	6.837711	6.90138
FLJ32110	FLJ32110	6.911671	7.139479	6.80192	7.109795	6.990753	7.013425	6.867666	6.934227	6.925072	6.883145	6.898234	6.894447
FLJ32130	FLJ32130	6.907084	7.08699	6.915639	7.111088	6.986025	6.973159	6.992365	7.058164	6.955358	6.990108	6.886147	6.895595
FLJ32154	FLJ32154	6.736974	6.948541	6.726554	6.935721	6.960087	6.814493	6.715157	6.903874	6.830802	6.887526	6.73958	6.786454
FLJ32206	FLJ32206	6.905114	7.193662	6.976475	7.175323	7.096535	7.304657	7.055123	7.069132	7.092482	7.056509	6.803162	6.893892
FLJ32214	FLJ32214	6.866022	7.058006	6.843873	6.978321	6.890122	6.850756	6.787682	6.897265	6.877296	6.869107	6.86412	6.849564
FLJ32252	FLJ32252	6.767981	6.961393	6.76214	6.986544	6.903718	7.05258	6.783844	6.922275	6.877111	6.882532	6.811795	6.827594
FLJ32312	FLJ32312	6.884298	7.233257	6.932826	7.177184	7.04413	7.123908	7.021308	7.156864	7.050246	7.103847	7.124741	7.033101
FLJ32363	FLJ32363	8.336539	8.618306	7.914524	8.068224	8.123043	8.189391	7.844881	7.922167	7.743032	7.720608	7.436484	7.213388
FLJ32447	FLJ32447	7.554668	7.859867	7.642905	8.027339	7.777137	7.833386	7.823045	7.617084	7.72308	7.728585	7.408679	7.734625
FLJ32549	FLJ32549	7.835881	7.928363	7.372984	7.630708	7.514189	7.656088	7.363502	7.225315	7.286577	7.306777	7.104378	7.366136

FLJ32569	FLJ32569	6.867546	7.063824	6.89478	7.082538	6.978663	6.973567	6.869082	6.973817	6.867537	6.973051	6.805259	6.861953
FLJ32658	FLJ32658	6.790164	7.118372	6.808661	7.096642	6.981402	7.124599	6.843005	7.122899	6.919243	6.98277	6.768271	6.889869
FLJ32675	FLJ32675	7.207779	7.525288	7.310648	7.507338	7.360068	7.464522	7.278125	7.421515	7.447899	7.303869	7.319046	7.373181
FLJ32679	FLJ32679	6.957061	7.128934	6.829514	7.16683	7.017382	7.04023	6.939314	6.931658	7.01683	6.968776	6.849221	6.871544
FLJ32682	FLJ32682	6.939996	7.05189	6.901932	7.11726	7.000081	6.991527	6.959914	6.934417	6.831056	6.970314	6.853913	6.944012
FLJ32745	FLJ32745	8.675293	8.736038	8.771589	8.744021	8.448182	7.998838	7.429428	7.447334	7.559767	7.6362	7.171297	7.144571
FLJ32771	FLJ32771	7.036339	7.14483	6.894345	7.209918	7.115045	7.157543	6.945429	7.038437	7.032142	6.997826	6.817216	6.949393
FLJ32784	FLJ32784	6.807497	7.179449	6.834098	7.015847	6.987512	6.997942	6.868711	6.942953	6.877882	6.981693	6.876228	6.843068
FLJ32786	FLJ32786	7.063375	7.132366	6.829353	7.092114	6.986515	7.042959	6.790833	7.00166	7.030692	7.04367	6.756457	6.780682
FLJ32810	FLJ32810	7.094506	7.474079	7.192971	7.643085	7.379521	7.729029	7.430139	7.507233	7.278816	7.339953	7.194963	7.190787
FLJ32867	FLJ32867	6.849184	7.14196	6.84772	7.114395	7.056519	7.097504	6.856697	6.909865	6.897644	7.038575	6.93698	6.890906
FLJ32871	FLJ32871	6.93134	7.037871	6.809628	6.994597	6.804815	6.977285	6.843874	6.89399	6.828128	6.942324	6.784196	6.873505
FLJ32894	FLJ32894	7.076552	7.377553	6.937988	7.216077	7.144055	7.381298	7.049791	7.065455	7.162885	7.029318	7.04263	7.060517
FLJ32926	FLJ32926	6.807063	6.990728	6.899981	7.021226	6.893522	6.944145	6.847533	6.93284	6.825048	6.92494	6.890705	6.749638
FLJ32955	FLJ32955	7.128296	7.40893	7.058421	7.295676	7.169667	7.225182	7.144813	7.322458	7.070353	7.295693	7.090143	7.243111
FLJ33167	FLJ33167	7.224827	7.537705	7.192336	7.685662	7.757947	8.211263	7.80289	8.071258	7.85968	7.973942	7.739406	7.530846
FLJ33360	FLJ33360	6.726742	6.951397	6.796921	7.049879	6.906875	7.168991	6.854206	6.939017	6.896705	6.797354	6.699832	6.729174
FLJ33387	FLJ33387	6.979442	7.046467	6.764959	7.091542	7.068396	6.89063	6.820673	6.905675	6.836476	6.873715	6.745556	6.987081
FLJ33534	FLJ33534	6.844151	7.123913	6.821188	7.030797	6.892459	6.959617	6.906948	7.038182	6.89026	6.90207	6.763403	6.882062
FLJ33590	FLJ33590	6.959565	7.134904	6.831837	7.122159	6.845576	7.000325	6.883156	6.977393	6.979957	7.064939	6.862587	6.865719
FLJ33641	FLJ33641	6.919079	7.12766	6.981441	7.1029	6.98739	7.099902	6.839804	6.877658	6.857958	6.899909	6.810333	6.838993
FLJ33651	FLJ33651	6.881848	7.044264	6.706866	7.034918	6.893853	7.117077	6.943441	6.917218	6.88708	6.959428	6.730227	6.753296
FLJ33706	FLJ33706	6.945879	7.037649	6.887527	7.046247	6.918665	7.080356	6.932958	7.018839	6.988343	6.930078	6.842023	6.838764
FLJ33708	FLJ33708	6.765314	7.055841	6.610573	6.889396	6.824503	6.701367	6.791921	6.918983	6.812494	6.809178	6.659389	6.705167
FLJ33718	FLJ33718	7.172806	7.356938	7.080716	7.439783	7.292108	7.605451	7.611313	7.597109	7.583127	7.643903	7.476354	7.648945
FLJ33790	FLJ33790	7.232622	7.415059	7.135792	7.294215	7.440202	7.490888	7.484627	7.3872	8.182278	7.494846	7.397542	7.516625
FLJ33814	FLJ33814	10.31134	10.42677	9.949254	10.11545	9.977499	10.21127	9.770361	9.933596	9.480771	9.759541	9.546649	9.713433
FLJ33860	FLJ33860	6.985624	7.034323	6.794795	6.939593	6.874867	6.890389	7.007326	6.96169	6.877276	6.858374	6.721151	6.891661
FLJ33996	FLJ33996	7.889825	8.180997	7.40849	7.381806	7.284609	7.501348	7.319147	7.329897	7.281056	7.267861	7.147903	7.174192
FLJ34047	FLJ34047	6.910643	7.213907	7.025453	7.399995	7.199594	7.255766	7.215764	7.053634	7.139833	7.071706	6.871033	6.975914
FLJ34306	FLJ34306	6.826537	6.983435	6.843178	6.950295	6.900686	6.857672	6.816436	6.901258	6.79053	6.898209	6.693771	6.776992
FLJ34503	FLJ34503	6.856707	6.984367	6.702123	7.144724	7.020624	7.105495	6.826687	6.96663	6.877721	6.98774	6.737234	6.848264
FLJ34690	FLJ34690	6.848918	7.022169	6.749237	7.072482	7.056684	6.91995	6.876126	7.035157	6.938865	6.982776	6.740733	6.838676
FLJ34870	FLJ34870	6.787726	7.144156	6.819305	7.096265	7.06301	7.031135	6.848423	6.877675	6.93056	6.948841	6.822998	6.834259
FLJ34931	FLJ34931	7.066496	7.197223	6.835455	7.101679	7.114141	7.170078	6.98345	7.113204	7.005527	7.12276	6.957928	6.87974
FLJ34969	FLJ34969	7.758509	8.09076	8.041348	8.189601	8.330314	8.35205	8.249493	8.191398	8.283177	8.161131	7.858425	8.008929

FLJ35119	FLJ35119	7.033529	7.181091	6.843584	7.188562	7.008273	7.202232	6.869282	7.124785	7.073511	7.065725	6.927273	6.9969
FLJ35220	FLJ35220	7.05736	7.114706	6.88474	7.45566	7.500489	7.712366	7.37869	7.272877	7.352823	7.151087	6.915829	7.070015
FLJ35258	FLJ35258	7.106027	7.259733	7.017281	7.338237	7.544972	7.253114	7.570156	8.002915	8.108775	7.877627	8.426309	7.99788
FLJ35282	FLJ35282	6.877569	7.100327	6.963789	7.100567	6.990572	7.137595	6.953338	6.966376	6.927309	7.101345	6.870904	6.881758
FLJ35409	FLJ35409	6.940588	7.076856	6.761974	7.026236	6.908352	6.919276	6.864801	6.962796	6.978893	6.943781	6.81257	6.86948
FLJ35424	FLJ35424	6.912092	7.136475	6.863226	7.082539	7.033784	7.002836	6.991222	6.991344	6.947726	6.940106	6.864512	6.919713
FLJ35429	FLJ35429	7.185362	7.181771	6.883935	7.092748	7.0799	7.116794	7.026513	7.052668	6.956716	7.15695	6.863736	7.133565
FLJ35530	FLJ35530	6.926539	7.076204	6.708788	6.968591	7.015272	7.03128	6.918333	6.917567	6.901215	7.057008	6.890354	6.78421
FLJ35695	FLJ35695	6.865166	6.943644	6.777176	6.940783	6.905874	6.832939	6.738453	6.932274	6.80126	6.924268	6.734182	6.821514
FLJ35725	FLJ35725	6.965148	7.265698	6.955087	7.132477	7.105437	7.076025	6.914548	7.092139	6.970878	7.052847	6.991074	6.894551
FLJ35740	FLJ35740	7.088709	7.228006	6.93741	7.075351	7.062297	7.135601	6.986377	7.071845	7.017222	7.045916	6.900238	6.94639
FLJ35767	FLJ35767	7.625958	7.669618	7.440408	7.412831	7.31414	7.185743	6.961152	7.139101	7.077911	7.294254	7.004634	7.010869
FLJ35773	FLJ35773	7.111755	7.205549	6.852605	7.140762	6.979829	7.135474	6.856362	6.922502	6.916243	7.047902	6.727864	6.906362
FLJ35776	FLJ35776	6.833727	7.000891	6.868169	7.026511	6.937604	6.948111	6.871579	6.965473	6.897812	6.938586	6.82458	6.792439
FLJ35784	FLJ35784	6.974905	7.047986	6.803294	7.007253	6.928966	6.925576	6.834731	6.910946	6.847613	6.836522	6.670489	6.884858
FLJ35785	FLJ35785	6.823644	7.059186	6.619509	7.05926	6.784229	6.903552	6.918615	7.000823	6.863138	6.923269	6.883458	6.854685
FLJ35801	FLJ35801	8.337359	8.750652	7.951697	7.953469	7.981281	8.37518	7.725493	7.741601	7.743207	7.579404	7.085898	7.430775
FLJ35816	FLJ35816	6.964572	7.056863	6.892276	7.080942	6.838013	7.145375	6.887547	6.870413	6.914051	6.89691	6.836751	6.919168
FLJ35834	FLJ35834	6.968174	7.10559	6.7825	7.213537	6.981917	7.061292	6.945595	6.932183	6.949321	7.021932	6.794452	6.943388
FLJ35848	FLJ35848	6.902767	7.071476	6.776928	7.035756	6.880914	6.941619	6.860273	6.872263	6.852607	6.937262	6.819094	6.819595
FLJ35880	FLJ35880	6.903335	6.991892	6.941023	7.017612	7.022592	7.061338	6.979823	7.063244	6.846908	7.05374	6.896181	6.773584
FLJ35894	FLJ35894	6.703936	6.998046	6.722801	6.951516	6.848434	6.863659	6.778002	6.842282	6.731776	6.853336	6.736145	6.821137
FLJ35934	FLJ35934	8.273467	8.735203	8.9498	8.571616	8.874773	7.460909	7.190673	7.160838	7.442958	7.194614	6.911766	6.906821
FLJ36004	FLJ36004	6.775918	6.837759	6.710414	6.862457	6.876421	6.827635	6.778548	6.80018	6.748125	6.902067	6.795022	6.854218
FLJ36031	FLJ36031	6.923592	7.163959	6.813463	7.044179	6.990577	6.937164	6.934419	6.871194	6.770367	6.883417	6.844939	6.808384
FLJ36032	FLJ36032	6.89046	7.195114	6.905538	7.065284	6.90756	7.088252	7.0251	6.981167	6.980693	7.001304	6.86305	7.004414
FLJ36046	FLJ36046	6.957044	7.227812	6.956966	7.199297	7.205981	7.181008	7.034678	7.113231	7.100407	7.125482	7.062849	7.001902
FLJ36070	FLJ36070	7.172576	7.730961	6.931366	7.289998	7.732863	7.469603	7.368813	7.390374	7.747884	7.612622	7.420177	7.38102
FLJ36090	FLJ36090	7.034969	7.197431	7.051876	7.313109	7.224346	7.34142	7.030163	7.258431	7.124994	7.265222	7.148981	7.127578
FLJ36116	FLJ36116	6.890005	7.174781	6.841427	7.067076	7.092865	7.128646	6.907509	7.044228	6.918278	7.135554	6.729911	7.002618
FLJ36131	FLJ36131	6.871166	6.971601	6.812006	6.883125	6.98386	7.10074	7.001076	6.957041	6.974608	6.897026	6.773224	6.880718
FLJ36144	FLJ36144	6.909323	7.119377	6.946218	7.09741	6.999922	6.993449	6.945589	7.005907	6.979959	6.945451	6.853981	6.901961
FLJ36157	FLJ36157	6.872325	7.111078	6.835565	7.033065	6.945858	6.997981	6.83977	7.063467	7.00253	6.982225	6.732022	6.899466
FLJ36166	FLJ36166	7.094154	7.253158	6.899384	7.571743	7.836464	7.493253	7.306338	7.264545	7.178938	7.168216	6.798324	6.968866
FLJ36180	FLJ36180	7.031557	7.230018	6.968116	7.20864	7.058367	6.942165	6.938194	7.105717	7.037171	7.067178	6.928769	6.96286
FLJ36208	FLJ36208	7.249206	7.228519	6.977298	7.263132	7.231012	7.23131	7.148124	7.218023	7.25429	7.171321	7.125441	7.002302

FLJ36268	FLJ36268	6.741377	7.09126	6.818257	6.949606	6.837345	6.869086	6.793624	6.934226	6.860376	6.807356	6.783018	6.672539
FLJ36445	FLJ36445	8.545892	8.331551	7.687543	7.486234	7.103769	7.120594	6.91326	7.036535	6.838863	6.907902	6.690755	6.851194
FLJ36492	FLJ36492	6.883958	7.093411	6.935903	7.022664	7.011082	7.019391	6.980011	6.983209	6.904173	6.935245	6.822896	6.965862
FLJ36701	FLJ36701	6.961444	6.970333	6.74863	7.100992	6.992222	6.978702	6.915085	6.973738	6.890662	6.999053	6.805892	6.960357
FLJ36748	FLJ36748	7.162325	7.141078	7.246823	7.39407	7.585108	8.521772	8.084008	8.421	8.244692	8.724403	8.379251	8.709026
FLJ36779	FLJ36779	7.084601	7.350151	7.018862	7.213911	7.174331	7.119488	7.067355	7.174407	7.123614	6.995034	7.054285	6.993527
FLJ36874	FLJ36874	10.16911	10.17956	9.949882	10.18361	9.86042	10.22186	9.673263	9.657698	9.693592	9.65879	9.500058	9.73754
FLJ36888	FLJ36888	7.176175	7.445747	7.067939	7.326538	7.204211	7.257096	7.209722	7.183987	7.065769	7.241076	7.060869	7.12157
FLJ36980	FLJ36980	6.993962	7.186958	6.940143	7.130765	7.083975	7.155563	7.060636	7.069726	7.048248	7.144565	6.916898	7.040613
FLJ37078	FLJ37078	7.631453	7.909847	7.129316	7.14342	7.009859	6.933274	6.871586	6.838785	7.001744	6.988151	6.903656	6.812757
FLJ37201	FLJ37201	6.912328	7.057678	6.840827	7.051972	7.052899	7.068372	6.940639	7.058981	6.936167	6.94516	6.775775	6.869849
FLJ37228	FLJ37228	7.064781	7.25521	6.948898	7.150363	7.060273	7.060574	6.97961	6.995828	7.095579	7.070264	6.852694	6.961997
FLJ37266	FLJ37266	7.32149	7.06387	7.086413	7.960198	7.956398	7.83857	7.33497	7.458418	7.650416	7.7823	7.318409	7.411588
FLJ37307	FLJ37307	6.957908	7.095979	6.920353	7.175929	7.024318	6.987574	7.046211	7.128796	7.025237	6.982852	6.920742	6.923827
FLJ37357	FLJ37357	7.038818	7.412261	7.037726	7.294337	7.244252	7.090681	7.182599	7.088534	7.122124	7.115502	6.871976	7.141717
FLJ37396	FLJ37396	7.162104	7.54445	7.211235	7.456582	7.421293	7.286586	7.421833	7.274417	7.3444	7.36415	7.054665	7.344628
FLJ37440	FLJ37440	6.949967	7.123674	7.132946	7.618565	7.36059	7.330751	6.948064	7.047078	7.175541	7.074032	6.921909	6.873299
FLJ37464	FLJ37464	7.009489	7.292781	6.979304	7.26422	7.363745	7.843331	8.041414	7.802226	7.842634	7.705166	7.126092	7.315938
FLJ37538	FLJ37538	7.018983	7.183932	6.990629	7.276653	7.037989	7.206208	6.91734	7.136913	6.951834	7.074934	6.877313	6.8838
FLJ37543	FLJ37543	6.827528	7.124885	6.757278	6.973587	6.902721	6.98093	6.891483	6.899862	6.964877	6.954451	6.827737	6.918905
FLJ37549	FLJ37549	6.909617	7.202237	6.978594	7.253225	7.093013	7.166767	7.001736	7.150991	7.082411	7.076647	6.86662	6.92423
FLJ37562	FLJ37562	7.597469	7.5572	7.750672	8.474275	8.493213	9.438927	8.811069	8.90201	8.64937	8.512044	8.42528	8.680754
FLJ37587	FLJ37587	6.967022	7.140269	6.775884	6.978564	6.985981	6.949068	6.954374	6.997841	6.96986	7.062915	6.863752	6.943719
FLJ37673	FLJ37673	6.812368	7.121275	6.943773	7.029596	7.020009	6.989084	6.863372	6.947388	6.945087	6.924037	6.852574	6.899183
FLJ37927	FLJ37927	7.003188	7.198191	6.871152	7.368784	7.18528	7.089404	6.987318	6.929614	6.984093	6.929305	6.835963	6.859759
FLJ37953	FLJ37953	7.121281	7.19294	6.896112	7.074552	6.963512	7.01497	6.869565	6.905865	6.967116	6.886342	6.855854	6.859674
FLJ37970	FLJ37970	7.017956	7.140308	6.778958	7.039884	6.974232	7.186429	6.861381	6.89821	6.871535	6.913072	6.918621	6.760255
FLJ38020	FLJ38020	7.422187	7.615063	7.126962	7.040415	6.918326	6.962042	6.832864	6.826444	6.943111	6.893511	6.761673	6.807647
FLJ38159	FLJ38159	6.75838	7.091801	6.880281	7.086126	6.972256	7.145838	6.991216	7.022879	6.951926	7.015991	6.903009	6.925568
FLJ38288	FLJ38288	7.563116	7.995424	7.608485	8.126304	7.96166	8.211727	7.913835	7.851071	7.859	8.099124	7.667203	7.877171
FLJ38377	FLJ38377	6.852004	7.056012	6.770059	7.025523	6.957461	6.912962	6.897867	7.027436	6.798015	6.94033	6.742068	6.805881
FLJ38379	FLJ38379	6.821846	7.055953	6.704997	6.997522	6.91131	6.853868	6.837429	6.904432	6.824571	6.817026	6.818865	6.808045
FLJ38451	FLJ38451	8.043546	8.092501	8.644479	8.178587	7.88776	7.704935	7.568758	7.394955	7.465718	7.315167	7.225616	7.430224
FLJ38482	FLJ38482	7.989124	8.201752	7.806923	7.966188	8.369156	8.884316	8.206281	8.377091	8.168226	8.096877	8.269159	8.092272
FLJ38596	FLJ38596	6.786371	7.016096	6.833842	7.084357	6.944533	6.922602	6.890056	6.916084	6.85889	6.814686	6.696496	6.82663
FLJ38663	FLJ38663	8.134812	8.177638	7.670822	8.204441	8.257194	8.654075	8.698784	8.333644	8.558867	8.623372	8.008671	8.275501

FLJ38717	FLJ38717	8.612952	8.947833	8.56886	8.807768	8.790796	8.633758	8.499242	8.044788	8.445754	7.910523	7.288049	7.679233
FLJ38723	FLJ38723	6.88172	6.982344	6.836123	6.99128	6.901843	6.932133	6.821325	6.862157	6.931232	6.962206	6.745796	6.861333
FLJ38725	FLJ38725	6.950012	7.295685	6.981003	7.168076	7.182312	7.81342	7.219345	7.24746	7.033036	7.073121	7.040034	6.993222
FLJ38773	FLJ38773	6.924526	7.182862	6.857421	7.174774	6.945995	6.989306	7.063503	7.027971	7.080479	6.974048	6.778021	6.933323
FLJ38964	FLJ38964	7.29815	7.459339	7.244762	7.23991	7.304338	7.348817	6.866169	7.035013	7.34016	6.990185	6.884227	6.970853
FLJ38969	FLJ38969	7.181093	7.357987	6.967802	7.272982	7.169447	7.154681	7.150795	7.051176	7.097888	7.073026	6.924784	7.025092
FLJ38973	FLJ38973	7.39839	7.670542	7.152181	7.232097	7.175573	7.154944	7.182265	6.99784	7.045765	7.12926	7.026071	7.008631
FLJ38984	FLJ38984	7.575915	7.945981	7.484754	7.615878	7.414783	7.783968	7.543747	7.576761	7.702864	7.757033	7.62114	7.891747
FLJ38991	FLJ38991	7.008476	7.214446	7.013456	7.199176	7.199408	7.249312	7.193662	7.15192	7.145945	7.223432	6.9723	7.056767
FLJ39061	FLJ39061	6.966393	7.236164	6.885921	7.17222	6.960581	7.073841	7.002987	7.060348	7.04127	6.980054	6.983723	7.039928
FLJ39080	FLJ39080	6.924048	7.163065	6.892798	7.152633	7.083975	7.144632	6.985892	7.076874	7.007743	7.072385	6.79111	7.010911
FLJ39155	FLJ39155	6.908046	7.06095	8.996674	9.5345	9.446213	8.317082	7.932332	7.571783	7.490559	7.091798	6.817991	6.913451
FLJ39237	FLJ39237	6.898046	7.172108	6.82432	7.14943	6.944802	6.861351	6.865353	6.933462	6.951755	6.966439	6.786162	6.828274
FLJ39378	FLJ39378	8.541648	8.119577	8.583529	9.717437	10.30526	11.22464	11.04916	10.86984	10.99062	11.2185	10.73474	11.01522
FLJ39501	FLJ39501	7.485118	7.195586	6.838367	6.893357	6.953378	7.066224	6.857115	6.805029	6.796557	6.891552	6.653693	6.671968
FLJ39502	FLJ39502	6.846229	7.115927	6.751386	7.719417	7.640622	8.763003	8.206545	8.295507	8.017373	8.225943	7.612628	7.280374
FLJ39531	FLJ39531	6.817832	6.99999	6.821182	7.05516	7.079887	7.07339	6.915648	6.940816	6.975919	6.990996	6.853127	6.803734
FLJ39575	FLJ39575	7.4749	7.553516	7.246442	7.410528	7.356189	8.813243	7.180609	7.300666	7.364657	7.319517	7.187464	7.174875
FLJ39599	FLJ39599	7.382778	7.736022	7.14989	7.291467	7.147441	7.156758	7.122391	7.044061	7.096884	7.114248	6.996103	6.973235
FLJ39639	FLJ39639	7.004494	7.008822	6.790857	6.997551	6.9882	7.057164	6.923004	7.011286	6.827248	7.046697	6.737566	6.815765
FLJ39653	FLJ39653	7.288127	7.606638	7.206944	7.755823	7.798373	7.751436	7.443296	7.534836	7.46138	7.38277	7.253182	7.286247
FLJ39660	FLJ39660	7.393049	7.870252	7.391215	7.700703	7.232329	7.159297	7.035045	7.083259	7.100322	7.053309	6.925741	6.899031
FLJ39739	FLJ39739	6.921607	7.143934	6.837843	7.059764	6.995446	7.054006	6.989136	7.029093	7.020958	7.041697	6.832566	6.918806
FLJ39743	FLJ39743	6.758245	7.070053	6.744094	6.927859	6.821212	6.907911	6.865784	6.91384	6.86725	6.879064	6.809194	6.68588
FLJ39779	FLJ39779	7.294356	7.417921	7.054967	7.159132	7.171076	7.192518	6.951482	7.033273	7.051778	7.078974	6.856338	6.97337
FLJ39822	FLJ39822	7.064563	7.20669	7.012242	7.191024	7.129079	7.303389	6.971341	7.171918	7.035133	7.176915	6.940143	7.005327
FLJ39827	FLJ39827	9.501545	9.286338	9.381383	9.590346	9.24677	8.711525	8.319834	8.294275	8.396347	8.36394	7.744221	8.232532
FLJ40113	FLJ40113	7.239008	7.345168	7.186427	7.398664	7.255017	7.248482	7.17072	7.19381	7.199009	7.245572	6.931943	6.99875
FLJ40125	FLJ40125	7.24278	7.407106	6.97953	7.03832	6.914601	7.027748	6.942005	6.952251	6.870448	6.920427	6.815218	6.726048
FLJ40142	FLJ40142	8.62206	8.702055	8.38633	8.463927	8.723357	8.735485	8.287188	8.433483	8.527355	8.197443	8.154077	8.039756
FLJ40172	FLJ40172	6.930172	7.221081	6.905976	7.102236	6.914383	7.105332	6.848653	6.862133	6.903604	7.018532	6.869276	6.902978
FLJ40194	FLJ40194	7.031779	7.23733	6.890561	7.289056	7.03865	7.097045	6.955394	6.969473	6.989033	7.03094	6.777874	6.942314
FLJ40235	FLJ40235	6.82285	7.008309	6.765553	6.909114	6.779897	6.817354	6.748365	6.838248	6.802354	6.867136	6.815023	6.82433
FLJ40243	FLJ40243	6.879236	6.997357	6.828967	6.934226	6.870059	6.950244	6.870868	6.931694	6.959677	6.925587	6.710374	6.784022
FLJ40244	FLJ40244	6.936491	7.014119	6.861007	7.033263	6.925798	6.975239	6.883467	6.918006	6.903103	6.920069	6.780059	6.856303
FLJ40288	FLJ40288	6.85554	7.160956	6.896845	7.098509	6.912676	6.90456	6.837632	7.113478	6.978377	6.971506	6.73247	6.892841

FLJ40296	FLJ40296	6.882623	7.070945	6.847447	7.006195	6.917085	6.996252	6.851687	6.91986	6.868618	6.947102	6.826195	6.888299
FLJ40298	FLJ40298	6.846382	6.93946	6.750769	6.971721	6.925486	6.919443	6.761764	6.865385	6.762593	6.864315	6.680215	6.753146
FLJ40365	FLJ40365	6.903744	7.004317	6.764196	6.958747	6.970047	6.900539	6.783768	6.974965	6.953555	6.872908	6.867624	6.865061
FLJ40411	FLJ40411	7.013407	7.277738	6.904972	7.185476	7.176208	7.115518	7.047059	7.125207	7.069825	7.031019	6.948913	7.029805
FLJ40448	FLJ40448	6.856308	7.136515	6.947234	7.133453	7.061373	7.518737	7.141135	7.093644	7.253288	7.022429	7.029745	7.077531
FLJ40453	FLJ40453	6.792382	7.150303	6.839742	7.05972	6.955596	6.984075	6.960263	6.97698	6.90299	7.006589	6.885246	6.967661
FLJ40473	FLJ40473	6.960137	7.101209	6.845162	7.194142	7.12479	7.10601	6.986781	7.043235	7.022039	7.040728	6.852133	6.985765
FLJ40504	FLJ40504	9.349287	10.33087	11.00949	12.16657	11.06792	10.6567	10.38224	10.13521	10.30329	10.66425	10.59768	10.05025
FLJ40629	FLJ40629	9.181711	9.801029	9.648269	9.768389	9.529927	9.880037	9.174875	8.909654	9.164094	8.76338	8.189637	7.538823
FLJ40712	FLJ40712	6.917807	7.143702	6.788299	7.138128	7.035679	6.998994	6.966038	7.038141	7.013546	7.083022	6.92558	6.950993
FLJ40722	FLJ40722	7.455361	8.130141	7.614144	7.992746	8.122461	7.814074	7.980978	7.62394	7.786725	7.630873	7.281804	7.701961
FLJ40852	FLJ40852	7.06709	7.168297	6.944575	7.125322	7.146074	7.219618	7.040703	7.179215	7.006065	7.090158	6.919907	7.116466
FLJ40869	FLJ40869	7.202534	7.508871	7.221399	7.490658	7.240132	7.118348	6.982233	7.080722	7.047229	7.101103	6.82979	6.956883
FLJ40919	FLJ40919	6.808937	6.962514	6.851629	6.976807	6.905316	6.88462	6.787373	6.939939	6.80766	7.002579	6.736092	6.990023
FLJ41046	FLJ41046	6.827069	7.096399	6.781609	7.021366	6.9448	6.822733	6.866697	6.951212	6.875107	6.912169	6.787104	6.867106
FLJ41131	FLJ41131	8.949674	8.990467	8.127254	8.724357	8.516228	8.441004	8.253275	8.091983	8.217222	8.0932	7.70151	8.207149
FLJ41170	FLJ41170	6.773633	6.965779	6.687329	6.969357	6.799551	6.899262	6.808489	6.973408	6.844928	6.839221	6.722447	6.805508
FLJ41200	FLJ41200	7.129089	7.157945	7.003813	7.186181	7.122666	7.118028	7.091379	7.053708	7.022471	7.100393	6.98968	6.974487
FLJ41327	FLJ41327	6.898458	7.134987	6.810769	7.079112	6.90183	7.069743	6.912808	6.947847	6.966472	7.02888	6.769973	6.77464
FLJ41352	FLJ41352	6.906913	7.057711	6.847263	7.075703	6.991325	6.999719	6.910394	6.978581	6.952686	6.960847	6.774556	6.856894
FLJ41423	FLJ41423	8.985143	9.604471	9.046352	9.481359	9.222024	9.237544	9.2987	9.122615	9.294026	9.228289	8.713509	9.278224
FLJ41481	FLJ41481	6.926665	7.11767	6.918691	7.071779	7.046095	7.121324	6.969081	7.070226	6.975445	7.085606	6.880136	6.89143
FLJ41603	FLJ41603	6.908898	7.142896	6.872293	7.096916	7.061147	7.261577	7.548104	7.524576	7.450178	7.648952	7.426854	8.339462
FLJ41649	FLJ41649	6.987896	7.30539	6.906303	7.064694	7.04689	7.038754	6.966678	7.071762	7.027839	7.106075	6.768871	7.081104
FLJ41733	FLJ41733	6.947813	7.129933	6.802597	7.102723	6.986946	7.056595	6.770782	6.890483	6.891573	6.929931	6.881957	6.906286
FLJ41766	FLJ41766	6.896229	7.145581	6.886921	7.165229	7.012383	6.945454	6.932095	7.038189	7.119437	7.009126	6.814672	6.806085
FLJ41821	FLJ41821	6.902591	7.052544	6.886603	7.002003	6.937047	6.952652	6.816805	6.853925	6.913761	6.88265	6.743832	6.822889
FLJ41841	FLJ41841	6.780392	7.099194	6.842697	7.019208	7.087558	7.156502	6.93378	7.0362	6.981307	6.957388	6.727144	6.980003
FLJ41856	FLJ41856	6.842264	6.968387	6.875674	6.972875	6.818841	6.930632	6.934403	6.906864	6.932503	6.858033	6.751865	6.794327
FLJ41993	FLJ41993	6.887769	7.14424	6.827625	7.104825	7.006664	7.214775	6.934948	7.010471	6.996373	7.102474	6.826147	6.894221
FLJ42102	FLJ42102	6.826204	6.903613	6.788953	7.019266	6.896945	6.931046	6.819976	6.978507	6.745552	6.797126	6.621354	6.76112
FLJ42117	FLJ42117	7.104656	7.309537	7.032535	7.126382	6.996902	7.127531	6.935625	7.05036	7.09769	7.052254	6.899637	7.042455
FLJ42133	FLJ42133	6.748573	7.049013	6.866449	7.154826	6.947169	7.038784	6.809542	6.983918	6.81478	6.993979	6.792871	6.895939
FLJ42177	FLJ42177	6.757766	6.925343	6.674867	7.01987	7.007152	7.097589	6.875992	7.040919	7.059373	6.996505	6.83833	6.868139
FLJ42220	FLJ42220	6.987206	7.297591	6.90127	7.107573	7.05522	7.073411	6.960403	7.005878	7.080224	7.1413	6.863385	6.875683
FLJ42258	FLJ42258	7.072642	7.287646	6.934156	7.184755	7.106497	7.214497	7.0032	6.93769	7.039145	7.112606	6.903935	6.922225

FLJ42280	FLJ42280	6.880654	7.063666	6.829264	7.008881	6.971855	6.907093	6.749144	6.922999	6.919868	6.867729	6.672029	6.835373
FLJ42289	FLJ42289	6.828764	7.020864	6.764415	6.969261	6.88351	6.917933	6.862055	6.901979	6.837799	6.805858	6.831628	6.869109
FLJ42291	FLJ42291	6.818854	6.982931	6.781996	6.965846	6.846585	6.969224	6.904343	6.86092	6.890623	7.029301	6.781511	6.856205
FLJ42393	FLJ42393	6.798161	7.112631	6.87972	7.239657	7.010658	7.154937	6.957611	7.035941	6.937509	6.845316	6.829503	6.97308
FLJ42418	FLJ42418	6.999724	7.147015	6.762116	7.096182	6.916803	6.926648	7.009796	7.091575	6.886255	7.054978	6.87867	6.962142
FLJ42461	FLJ42461	7.041081	7.264517	7.141579	8.612863	9.201193	9.811521	9.55089	9.365295	8.773489	8.575925	7.96201	8.051193
FLJ42486	FLJ42486	7.035356	7.250768	6.904847	7.211353	7.047854	6.95084	7.039845	7.019228	6.991439	6.968975	6.773811	6.852403
FLJ42709	FLJ42709	6.952594	7.017169	6.780259	6.93344	6.881105	6.941135	6.798218	6.938943	7.029443	6.872307	6.761978	6.84127
FLJ42842	FLJ42842	6.887061	6.956635	6.825018	6.95172	6.762091	6.894738	6.782862	6.868456	6.794202	6.907362	6.863494	6.858119
FLJ42875	FLJ42875	7.164636	7.318692	7.013502	7.178508	7.118757	7.349662	7.34654	7.347439	7.111072	7.251263	6.886632	7.04173
FLJ42953	FLJ42953	6.875816	7.090058	6.90804	7.073666	6.99836	7.024635	6.846102	6.956029	6.947711	6.886912	6.776589	6.832543
FLJ42957	FLJ42957	6.947975	7.222441	6.70201	7.104024	7.266025	6.978336	6.971617	6.861019	6.786295	6.911207	6.716901	6.878586
FLJ42986	FLJ42986	6.996046	7.180261	6.877711	6.984397	7.016245	7.039779	6.890645	7.055283	6.865025	6.976973	6.840981	6.960413
FLJ43093	FLJ43093	6.794968	7.182879	6.828643	7.090624	6.878964	6.916729	6.938547	6.967399	6.914043	6.966973	6.858408	6.90202
FLJ43276	FLJ43276	6.941345	7.130612	6.806182	7.069331	7.034783	7.073376	6.900505	7.027317	6.984531	6.981522	6.842658	6.972823
FLJ43339	FLJ43339	7.11921	7.013816	6.812064	7.383647	7.940696	10.58763	11.29799	11.43641	11.10138	11.5626	10.87482	11.22646
FLJ43374	FLJ43374	6.899555	6.987596	6.917939	7.058609	7.263558	9.057022	8.873891	8.776592	8.946665	9.106329	8.565487	8.918615
FLJ43505	FLJ43505	6.870492	6.890815	6.779399	6.932468	6.883758	7.037616	6.80174	6.91365	6.841734	6.907219	6.688576	6.864673
FLJ43582	FLJ43582	6.799499	7.105606	6.748076	6.945263	6.970102	7.096915	6.829303	7.00193	6.831101	6.905703	6.827204	6.902808
FLJ43663	FLJ43663	6.845411	6.978613	6.729083	6.910532	6.956813	7.036994	6.900268	7.003023	6.913289	7.044756	6.922464	6.974953
FLJ43692	FLJ43692	10.07788	10.46526	9.540381	8.903137	8.40745	7.488318	7.297668	7.251307	7.55055	7.09437	7.022381	6.970615
FLJ43752	FLJ43752	6.975822	7.293939	6.893885	7.074953	6.991712	7.129483	6.94523	7.021524	6.976959	6.973352	6.896567	6.95716
FLJ43763	FLJ43763	6.82254	7.021171	6.760744	7.020221	6.967134	7.067502	6.928245	6.876316	6.901262	7.008431	6.744894	6.823556
FLJ43806	FLJ43806	6.88008	6.995042	6.847336	6.975896	6.948721	7.053677	6.998593	6.951496	6.88999	6.958911	6.828113	6.822919
FLJ43826	FLJ43826	6.798252	7.161191	6.796427	7.015191	6.918762	6.986606	6.8804	6.966113	6.887571	6.867215	6.835206	6.728487
FLJ43855	FLJ43855	8.770971	9.215044	8.12286	8.073751	7.802687	8.153187	7.922784	8.073392	7.985838	8.123672	8.234462	8.490206
FLJ43860	FLJ43860	6.93198	7.108525	6.848764	7.076027	6.964836	7.027113	6.910836	6.972424	6.932672	6.996995	6.804384	6.849793
FLJ43870	FLJ43870	6.991303	6.993038	6.771275	7.059063	6.907799	6.958943	6.911673	6.925825	6.882023	6.837491	6.771209	6.923723
FLJ43879	FLJ43879	6.982673	7.116052	6.878697	7.025022	7.119014	7.058187	6.906608	7.020435	7.018157	6.969009	6.832404	6.881444
FLJ43950	FLJ43950	6.955618	7.210303	6.899531	7.115734	6.951397	7.056706	6.975535	7.071637	7.038238	7.035935	6.839156	6.9224
FLJ43980	FLJ43980	6.965001	6.999207	6.75463	7.037936	6.845183	6.886616	6.812285	6.890588	6.894692	6.870035	6.761841	6.6487
FLJ43987	FLJ43987	6.877849	7.066776	6.793579	6.934954	6.902684	7.015851	6.950942	6.892714	6.89855	6.847991	6.80491	6.906819
FLJ44005	FLJ44005	7.147442	7.148059	6.877261	7.172598	6.99038	7.026185	6.994601	7.019388	6.980106	7.030526	6.877893	6.917181
FLJ44006	FLJ44006	6.946002	7.146236	6.924194	7.089966	6.939211	7.115719	6.841125	6.943408	7.045106	6.925034	6.87693	6.867275
FLJ44048	FLJ44048	6.92503	7.164904	7.003149	7.567591	7.684872	7.819968	7.816036	7.5261	7.546785	7.380262	6.971581	7.050237
FLJ44060	FLJ44060	6.83489	7.058016	6.826109	6.979621	6.870565	6.932923	6.786998	6.935846	6.948682	6.947931	6.735261	6.780489

FLJ44076	FLJ44076	7.017963	7.136923	6.820833	7.058148	7.005902	7.07935	6.864561	6.983867	6.843743	6.921484	6.730211	6.797067
FLJ44082	FLJ44082	6.774129	6.988516	6.673261	6.939399	6.939944	6.97861	6.892388	6.882453	6.793871	6.782894	6.737624	6.83252
FLJ44112	FLJ44112	6.810535	7.021056	6.838642	7.022145	6.890898	6.935378	6.919269	6.893918	6.804701	6.934465	6.79224	6.853562
FLJ44124	FLJ44124	10.92055	11.96288	11.51342	12.10123	12.03125	11.73894	12.01952	11.47206	11.79142	11.4935	10.65054	11.49346
FLJ44186	FLJ44186	6.893904	7.180268	6.854557	7.024442	7.17877	7.037967	6.896953	7.026441	6.947947	7.073921	6.795848	6.934768
FLJ44216	FLJ44216	7.518712	7.518152	7.30488	7.841865	7.883965	7.765272	7.463396	7.487081	7.386948	7.374509	7.25724	7.240682
FLJ44290	FLJ44290	6.86429	7.062571	6.860526	7.031511	6.974882	7.016044	6.928086	6.925057	6.944071	7.020658	6.810831	6.892245
FLJ44313	FLJ44313	6.9817	7.219194	6.95339	7.154281	6.949354	7.12687	7.037893	7.116332	7.023605	7.083134	6.877518	6.915691
FLJ44379	FLJ44379	6.989883	7.115509	6.969958	7.189627	6.909629	7.1243	7.087789	7.115187	6.939682	7.034453	6.84033	7.063813
FLJ44385	FLJ44385	6.898251	7.240226	6.842112	7.141077	7.041535	6.944282	7.013488	7.015118	7.088888	6.928572	6.850561	6.887695
FLJ44477	FLJ44477	6.937527	7.123579	6.857003	7.166612	6.981804	7.106296	6.96769	7.010809	6.969649	6.958642	6.858288	7.007921
FLJ44606	FLJ44606	7.071559	7.245248	6.895143	7.130987	7.027283	6.940045	7.006651	7.049633	6.925169	7.034211	6.803524	6.85809
FLJ44635	FLJ44635	6.822777	7.041992	6.87501	7.066425	6.986986	6.950797	6.845763	7.022073	6.932221	6.963389	6.783367	6.809812
FLJ44653	FLJ44653	6.922879	7.048305	6.842886	7.001246	7.023148	7.077362	6.917027	6.913417	6.842879	6.945735	6.698815	6.839251
FLJ44674	FLJ44674	6.84388	7.077892	6.952581	7.069379	6.962409	7.138336	6.918327	7.007064	6.875926	7.065239	6.879369	6.820082
FLJ44691	FLJ44691	6.944801	7.14183	6.691403	6.986167	6.96445	6.863706	6.84825	6.857847	6.947133	6.863667	6.724538	6.846198
FLJ44790	FLJ44790	6.911536	7.102359	6.889014	7.046697	6.998181	6.998007	6.882927	6.98009	6.910179	7.036001	6.813951	6.937685
FLJ44815	FLJ44815	6.915576	7.123225	6.712993	6.911456	6.962045	6.914284	6.935903	6.983599	6.835839	6.881887	6.759813	6.731992
FLJ44817	FLJ44817	6.777706	7.037694	6.696261	7.038811	6.912168	6.940922	6.841472	6.960769	6.853828	6.907971	6.788762	6.890571
FLJ44861	FLJ44861	6.855637	7.221823	6.864639	7.09174	7.073441	6.971873	6.986155	6.922911	6.959144	7.032467	6.760286	6.87658
FLJ44881	FLJ44881	6.956131	6.979734	6.796894	6.977242	6.933758	6.844526	6.880974	6.884949	6.912666	7.056888	6.660736	6.758161
FLJ44894	FLJ44894	6.978947	7.081607	6.738915	7.041227	6.9616	6.988792	6.895039	6.930257	6.891438	6.934038	6.835501	6.924635
FLJ44955	FLJ44955	6.9968	7.042544	6.883032	7.029537	7.002646	7.038206	6.802109	7.002422	7.040859	6.956883	6.834181	6.93832
FLJ44968	FLJ44968	7.026813	7.237474	6.978391	7.315197	7.143074	7.469243	7.094333	7.184896	7.181945	7.035787	6.976336	6.95354
FLJ45032	FLJ45032	7.018107	7.186535	6.98754	7.156019	7.026348	7.164433	6.836326	7.053543	6.956623	6.927761	6.925492	6.966924
FLJ45079	FLJ45079	6.981437	7.097169	6.782754	6.955369	6.910609	6.955989	6.825674	6.932965	6.735605	6.966033	6.836199	6.792169
FLJ45121	FLJ45121	6.822272	6.943936	6.740488	7.026568	6.934233	7.041843	6.836654	6.904233	6.929908	6.927047	6.836727	6.730067
FLJ45139	FLJ45139	6.899925	6.987324	6.782038	7.060432	6.841076	7.014734	6.855385	6.954509	6.817455	6.880392	6.849009	6.959184
FLJ45187	FLJ45187	7.351587	7.689703	7.275926	8.074821	8.187808	8.141386	8.299507	7.831226	7.761766	7.82172	7.068347	7.317566
FLJ45202	FLJ45202	7.213049	7.455657	6.985675	7.307098	7.316434	7.382823	7.246718	7.192228	7.15732	7.228408	7.147379	7.169918
FLJ45224	FLJ45224	6.907301	7.117561	6.81071	7.072086	6.891686	6.983345	6.969069	6.946275	6.998976	6.950036	6.815173	6.818931
FLJ45244	FLJ45244	8.062825	7.652842	7.662323	8.109236	8.281616	8.546101	8.289683	8.141025	8.165391	8.066846	7.699769	8.04657
FLJ45248	FLJ45248	7.000543	7.183318	6.914994	7.068162	7.232924	7.220716	7.162543	7.063067	7.117292	7.21563	7.082088	7.008245
FLJ45256	FLJ45256	6.966908	7.219952	6.902905	7.119978	7.077327	7.065269	7.05112	7.051469	7.026391	7.119087	6.914275	6.97615
FLJ45300	FLJ45300	6.93355	7.202854	6.906557	7.11991	7.018825	7.137858	6.872021	7.033731	6.998188	6.998809	6.730503	6.905282
FLJ45337	FLJ45337	7.895578	8.027454	7.349552	7.731248	7.657089	7.693391	7.625187	7.376078	7.68359	7.411673	7.273083	7.514098

FLJ45422	FLJ45422	6.972976	7.182056	6.828427	7.109168	6.927717	7.034117	6.883014	6.940401	6.990407	7.004589	6.854202	6.938042
FLJ45445	FLJ45445	7.163616	7.339662	7.051385	7.31206	7.209179	7.100719	7.048205	7.062107	7.081042	7.077758	6.899801	7.012404
FLJ45455	FLJ45455	7.009522	7.062116	6.897456	7.031514	6.959205	6.947095	6.969123	6.91828	6.926282	6.979081	6.875662	6.905911
FLJ45530	FLJ45530	6.859418	7.125614	6.907179	7.009086	6.943302	6.808043	6.864949	6.874933	6.89129	6.902795	6.788257	6.803542
FLJ45537	FLJ45537	6.874133	6.98771	6.73268	6.998154	6.981191	6.967114	6.862185	6.830951	6.897761	6.93645	6.796167	6.799304
FLJ45557	FLJ45557	7.655022	7.950498	7.671659	8.061974	7.952574	8.113628	7.978436	7.765942	8.095383	8.016436	8.19977	7.877714
FLJ45645	FLJ45645	6.952363	7.085546	6.770688	6.986368	6.800128	6.867691	6.772913	6.883029	6.691392	6.906676	6.740556	6.861653
FLJ45684	FLJ45684	6.850036	6.984967	6.783907	7.034414	6.927885	7.033926	6.811488	6.977891	6.778487	6.846491	6.73667	6.889432
FLJ45717	FLJ45717	6.939532	7.114362	6.688072	7.149636	7.209662	7.610224	7.183037	7.176358	7.144234	7.385144	6.964913	7.28718
FLJ45721	FLJ45721	6.804597	7.069941	6.733068	7.132439	6.829082	6.926956	6.887066	6.861382	6.874776	6.771596	6.799221	6.719269
FLJ45803	FLJ45803	6.910657	7.07355	6.649881	7.139499	6.923115	6.992977	6.866918	6.981246	6.831208	6.911692	6.795373	6.768705
FLJ45831	FLJ45831	6.868835	7.089885	6.710018	6.965313	6.826303	7.008997	6.78953	6.915216	6.778108	6.859179	6.800305	6.731601
FLJ45832	FLJ45832	6.990921	7.200884	6.8928	7.049896	7.074441	7.11273	7.124266	7.094185	6.921923	7.036348	7.002397	6.932697
FLJ45850	FLJ45850	6.948644	7.216493	6.897174	7.195544	7.278406	7.231765	6.980753	6.995928	7.08105	7.012893	6.903646	6.888864
FLJ45909	FLJ45909	7.453638	7.45926	7.013264	7.064185	6.987463	7.19611	6.90956	7.029718	6.965851	6.920885	6.870621	6.818308
FLJ45910	FLJ45910	6.839022	7.054689	6.777852	7.101317	6.769646	7.03402	6.825734	6.847425	6.752113	6.941269	6.731714	6.910694
FLJ45964	FLJ45964	6.876288	6.998404	6.862054	7.026968	6.916432	6.922388	6.869915	6.921431	6.91336	6.89834	6.734515	6.807866
FLJ45966	FLJ45966	7.128841	7.224779	6.924946	7.220605	7.135895	7.243936	7.058031	7.168226	7.062061	7.15467	6.943523	6.964604
FLJ45974	FLJ45974	6.898131	7.0703	6.884215	7.117711	6.942322	7.023653	7.037334	7.066271	7.00307	6.966384	6.882835	6.96605
FLJ45983	FLJ45983	6.917106	7.091555	6.720863	7.043482	6.904203	7.010667	6.962157	6.946343	7.041162	6.93626	6.819587	6.821272
FLJ45994	FLJ45994	6.862092	7.131479	6.865016	7.056907	7.066146	6.88307	6.9974	6.91355	6.922928	7.027824	6.748741	6.793948
FLJ46010	FLJ46010	6.870622	6.99894	6.666228	7.099471	6.925116	7.114783	6.901021	6.977324	7.006935	6.883007	6.926629	6.969802
FLJ46020	FLJ46020	6.914935	7.137898	6.754658	6.910781	6.942466	6.931321	6.903402	6.913025	6.830257	7.002464	6.711195	6.812451
FLJ46026	FLJ46026	6.807659	7.056636	6.771242	7.000763	6.76867	6.827763	6.717618	6.794693	6.939577	6.817254	6.6364	6.715461
FLJ46072	FLJ46072	8.921622	9.529992	8.888479	9.442967	8.559439	7.817293	7.647184	7.540223	7.435678	7.452485	7.252289	7.351724
FLJ46082	FLJ46082	6.986966	7.011517	6.844546	7.019527	7.061769	7.099866	6.989947	6.928946	7.049494	6.951483	6.72449	6.841705
FLJ46109	FLJ46109	7.363141	7.871129	7.523616	7.839034	7.778499	7.585056	7.630433	7.457181	7.508401	7.483914	7.192317	7.408242
FLJ46156	FLJ46156	6.939663	6.973819	6.850823	7.076033	6.964031	6.806196	6.867691	6.958129	6.937955	6.898121	6.809723	6.933659
FLJ46210	FLJ46210	6.898708	7.071952	6.870287	6.944393	7.040911	6.988817	6.754501	7.005241	6.850641	6.986606	6.755123	6.820446
FLJ46230	FLJ46230	7.071906	7.17134	6.824158	7.12001	6.992943	7.095411	7.075699	7.070115	7.032756	6.992773	6.90788	6.874074
FLJ46247	FLJ46247	6.86045	7.083413	6.822875	7.028299	6.905444	6.955351	6.855713	6.891029	6.881248	6.940489	6.758261	6.88461
FLJ46257	FLJ46257	6.893905	6.914019	6.740307	6.926189	6.787682	6.782662	6.761968	6.957222	6.819105	6.883272	6.702851	6.757164
FLJ46266	FLJ46266	6.80437	7.098183	6.984504	7.183698	7.004614	6.952994	6.851481	6.936281	6.945608	6.879871	6.748311	6.694437
FLJ46284	FLJ46284	6.854948	7.127565	6.824324	6.939095	6.985081	7.070076	6.897563	7.030976	6.845487	6.973138	6.874	6.859175
FLJ46300	FLJ46300	6.943095	7.19512	6.943934	7.093245	7.01826	7.158557	6.891121	7.036873	6.951131	7.003538	6.877892	7.066615
FLJ46309	FLJ46309	10.79361	11.84749	11.19392	11.7925	11.83816	11.57941	11.89969	11.05828	11.56671	11.31855	10.77704	11.4512

FLJ46321	FLJ46321	6.856775	7.065942	6.798165	6.946026	6.972627	6.997288	6.96221	6.929111	6.895876	6.963402	6.728442	6.864574
FLJ46347	FLJ46347	7.013356	7.170741	6.826301	7.049295	6.920016	7.0683	6.923625	6.933435	6.866163	6.978861	6.839693	6.899453
FLJ46358	FLJ46358	6.678132	7.268048	6.846283	7.009052	6.925962	6.981867	6.847737	6.903656	6.949769	7.001039	6.697389	6.863757
FLJ46361	FLJ46361	6.869068	7.025823	6.758806	7.002443	6.90301	7.007438	6.846386	6.897486	6.885749	6.891652	6.7412	6.79936
FLJ46363	FLJ46363	6.930291	7.304285	6.886552	7.02219	6.957799	7.121206	6.956202	7.023061	6.867896	6.94525	6.76212	6.876187
FLJ46380	FLJ46380	6.989352	7.176595	6.873598	7.260408	7.387916	8.039088	8.458809	8.30108	7.988866	8.042009	7.229468	7.78166
FLJ46385	FLJ46385	6.824967	7.049721	6.785301	6.96378	6.843838	6.985085	6.880802	6.958019	6.873308	6.762743	6.752084	6.894974
FLJ46481	FLJ46481	7.03031	7.242643	6.981793	7.211042	7.087029	7.417135	7.074708	7.145839	7.067213	7.123537	6.910739	6.959929
FLJ46536	FLJ46536	6.989984	7.125106	6.824269	7.109323	7.086764	6.988085	6.968269	6.934052	6.924578	6.955225	6.996435	7.046134
FLJ46688	FLJ46688	6.889067	7.036709	6.837878	7.05954	7.056721	7.058789	6.881746	6.977521	7.007192	7.003354	6.882907	7.010681
FLJ46831	FLJ46831	7.806872	8.260221	7.953655	7.105904	7.044347	7.038244	6.911166	7.012237	6.896735	6.990966	6.805634	6.931614
FLJ46836	FLJ46836	6.802654	7.213428	6.888819	7.222643	6.901067	7.090452	6.981467	6.933233	6.958334	7.100377	6.825958	6.802119
FLJ46838	FLJ46838	7.190128	7.299331	7.059326	7.254014	7.243607	7.210115	7.011269	7.07442	7.005517	7.155954	6.820039	6.872319
FLJ46906	FLJ46906	7.665439	7.864308	7.822636	7.880749	7.445418	7.4361	7.267962	7.250003	7.438847	7.167113	7.280567	7.199728
FLJ90013	FLJ90013	7.224154	7.664227	7.31366	7.838267	7.944894	8.432175	8.137551	8.126105	8.436178	8.33583	8.012636	8.448708
FLJ90036	FLJ90036	7.05934	7.21679	6.912717	6.947692	7.006199	6.915647	6.779887	6.974801	6.974464	6.940834	6.717679	6.75332
FLJ90086	FLJ90086	7.476855	7.571771	7.16544	7.233995	7.204079	7.369193	7.150497	7.131861	7.214191	7.162573	6.981418	7.097694
FLJ90166	FLJ90166	8.342113	8.298344	9.011752	8.730666	7.384283	7.302935	7.10084	7.076779	7.304862	8.063122	10.7279	10.59049
FLJ90231	FLJ90231	9.091921	8.993518	7.234373	7.104003	7.013836	6.992189	6.925743	6.944963	6.945215	6.915545	6.868721	6.905522
FLJ90396	FLJ90396	7.981342	8.324192	8.01797	8.401801	8.294113	8.355983	8.101221	8.273246	7.993089	8.160365	8.140571	8.173118
FLJ90575	FLJ90575	6.936299	7.092939	6.949399	7.251051	7.106479	7.258427	6.976438	7.092845	6.980189	7.027823	6.895011	7.040038
FLJ90579	FLJ90579	6.863642	7.013373	6.869372	7.288365	7.370875	7.721551	7.263866	7.134965	7.091334	7.030706	6.890917	6.931704
FLJ90586	FLJ90586	7.01821	6.97358	6.715906	6.927205	6.811062	6.933655	6.826704	6.892829	6.831115	6.901736	6.73357	6.810194
FLJ90650	FLJ90650	6.933843	7.130656	6.793689	7.024746	6.943886	7.111335	6.954246	6.963478	6.968423	7.043923	6.768342	6.807703
FLJ90652	FLJ90652	9.066402	9.185283	8.609584	8.599605	8.56535	9.275422	8.679244	8.840287	8.743289	8.878435	8.841806	8.449883
FLJ90680	FLJ90680	7.00353	7.27855	7.040783	7.164105	7.149219	7.201132	7.184171	7.205311	7.268032	7.214948	6.940523	7.03257
FLJ90709	FLJ90709	9.103874	9.761598	9.26838	9.162869	8.682301	8.731815	8.191181	8.073484	8.265674	7.947974	7.800136	8.03701
FLJ90757	FLJ90757	7.257405	7.544936	7.114482	7.676901	7.827175	7.648392	7.633345	7.449317	7.559334	7.483539	7.148334	7.281248
FLJ90805	FLJ90805	10.07579	9.281453	7.437928	7.632577	7.891919	7.556483	7.392684	7.228601	8.139936	7.189975	6.848226	7.4137
FLJ90834	FLJ90834	6.886928	7.074277	6.808462	6.979397	6.867198	7.042935	6.863452	6.857044	6.885735	6.888681	6.848011	6.824246
FLNA	FLNA	7.209838	7.365263	6.811996	7.249345	7.117713	7.161554	7.050326	7.103661	7.092031	7.090226	7.20284	7.041701
FLNB	FLNB	10.44557	10.9744	10.04178	10.58671	10.35779	9.69485	9.465331	9.86806	9.884586	9.436373	10.26625	9.091585
FLNC	FLNC	8.295174	12.31758	11.81735	12.66496	12.33085	13.12564	13.1249	12.8064	12.99054	13.09457	12.6101	13.37863
FLOT1	FLOT1	9.531636	9.662291	9.442923	9.91209	9.890313	10.86607	10.56856	10.89852	10.65113	11.12975	11.23952	11.10969
FLOT2	FLOT2	12.62747	12.3858	11.91448	12.41383	11.98483	12.69261	12.20587	12.30663	12.09841	12.21724	11.98261	12.17811
FLRT1	FLRT1	6.781924	7.108458	6.774362	6.911602	6.911061	6.930992	6.824206	6.890033	6.874709	6.854523	6.832097	6.752681

FLRT2	FLRT2	7.352156	8.442365	8.546251	10.79022	11.07602	9.143351	9.066572	9.31762	9.357716	8.563642	8.819124	8.215269
FLRT3	FLRT3	7.013279	7.624705	10.0968	11.40835	11.15628	9.254501	7.987552	7.822252	8.678629	7.33493	7.041041	6.97811
FLT1	FLT1	6.983862	7.265923	6.801573	7.025676	7.01615	6.963947	6.944766	6.916081	6.86357	6.950721	6.728596	6.908375
FLT3	FLT3	6.946023	7.279676	6.897201	7.127034	6.970171	7.118067	6.927311	6.914468	6.917009	7.040204	7.000752	6.800738
FLT3LG	FLT3LG	6.939755	7.201081	6.854944	7.081261	6.878811	6.969707	6.938095	6.83719	7.01513	7.020712	6.911023	6.849359
FLT4	FLT4	7.205254	7.49388	7.092739	7.246038	7.257423	7.294632	7.066614	7.050292	7.034079	7.048937	6.957172	6.984096
FLVCR	FLVCR	9.825554	10.01761	8.579673	8.142871	7.746488	7.696759	7.531422	7.43975	7.45722	7.601054	7.448046	7.246129
FLYWCH1	FLYWCH1	7.123125	7.269943	7.015105	7.20721	7.111711	7.212771	7.14095	7.155432	7.253561	7.171088	7.013674	7.140853
FMN2	FMN2	7.009271	7.229825	6.927252	7.196498	7.066319	6.972276	7.013485	7.032516	7.137139	6.931179	7.083491	7.012839
FMNL1	FMNL1	6.954563	7.074451	6.85378	7.147543	7.008734	7.049804	6.847151	7.016287	6.925656	6.99297	6.771836	6.899221
FMNL2	FMNL2	8.000907	8.328324	7.907154	8.052862	7.719874	7.371269	7.184887	7.206257	7.487058	7.196356	7.119942	7.342327
FMNL3	FMNL3	7.10647	7.210417	7.057391	7.344498	7.206842	7.109793	7.037505	7.085521	7.005352	7.032134	6.862717	6.902992
FMO1	FMO1	6.860343	6.96294	6.835299	7.041442	7.95855	6.913743	6.799012	6.884209	6.943841	6.998957	6.739456	6.868302
FMO2	FMO2	7.02788	7.117133	6.848732	7.063406	6.96739	7.051071	7.000959	6.984833	6.945687	6.958908	6.883495	6.869721
FMO3	FMO3	6.839523	6.990154	6.72038	6.933309	6.937732	7.001408	6.801639	6.88358	6.903061	6.962403	6.7087	6.782461
FMO4	FMO4	7.420347	7.527766	7.332123	7.971352	8.77632	7.784364	7.764619	7.876155	7.87336	7.875623	7.568657	7.518642
FMO5	FMO5	7.042276	7.100517	6.84535	7.226157	7.054811	7.087304	7.05948	7.136689	7.104365	7.012779	6.836527	6.872688
FMO6	FMO6	7.439555	7.666994	7.227771	7.459385	7.262286	7.515037	7.268793	7.330836	7.208641	7.384392	7.253753	7.312983
FMO6P	FMO6P	6.867901	7.103308	6.833598	7.04878	6.9563	7.101818	6.927538	6.984351	7.038784	7.035241	6.887338	6.800463
FMOD	FMOD	6.785314	7.038067	7.062968	7.669881	7.921568	7.106819	7.446087	7.82138	7.637533	7.117386	7.290804	7.044354
FMR1	FMR1	6.830902	7.0206	6.685255	6.956742	6.84493	7.036694	6.808986	6.820236	6.775955	6.909936	6.724356	6.696673
FMR1NB	FMR1NB	6.815554	6.957675	6.796859	7.123552	6.905713	6.902698	6.90435	6.870721	6.81153	6.938624	6.68871	6.807065
FN1	FN1	6.874525	7.086149	7.687296	8.196445	7.580648	7.398522	7.569362	7.688807	8.025577	7.820712	8.293476	8.016368
FN3K	FN3K	6.830898	7.067495	6.710613	7.010819	7.00949	7.208592	7.021159	6.979545	6.838957	7.02915	6.791774	7.088987
FN3KRP	FN3KRP	9.695991	10.4118	9.894893	10.18883	10.02576	9.911021	9.747882	9.530423	9.777505	9.708661	9.331162	9.336784
FN5	FN5	9.317356	9.692043	8.929507	8.677716	8.803937	9.302322	8.913314	8.599829	8.756807	8.700494	8.286734	8.39169
FNBP1	FNBP1	10.39478	10.44741	10.01701	10.82264	10.87312	11.45795	10.91888	10.98728	10.89028	10.58967	10.28612	9.959516
FNBP1L	FNBP1L	9.892367	10.85231	10.06881	9.844408	9.260493	8.662897	8.436404	8.090724	9.006639	8.045373	7.839801	8.26868
FNBP4	FNBP4	10.70263	10.90535	10.70178	11.00849	11.28262	11.30581	10.69303	10.89053	10.67083	10.61847	10.3656	10.21871
FNDC1	FNDC1	6.987991	7.106629	6.882388	7.092947	7.102871	7.015825	7.146209	7.164641	7.894128	7.140123	7.455244	7.003053
FNDC3A	FNDC3A	7.997689	8.517031	8.399892	9.02103	9.060715	8.793199	8.571834	8.413481	8.594203	8.335998	8.301208	8.554624
FNDC4	FNDC4	7.838119	8.34717	7.842462	8.153762	7.550166	7.747793	7.535454	7.574484	7.574264	7.685524	7.956676	7.584065
FNDC5	FNDC5	7.242755	8.14457	8.365391	9.018612	9.269823	11.54856	11.70526	11.48549	11.78148	11.69184	10.59456	11.38171
FNDC6	FNDC6	7.325962	7.532692	7.016942	7.184176	7.125491	7.160583	6.891986	7.03069	6.869803	6.923946	6.91255	6.886996
FNDC7	FNDC7	6.938064	7.1318	6.671075	7.076215	6.910092	6.933539	6.872758	6.932578	6.865823	6.894114	6.827178	6.824345
FNDC8	FNDC8	6.926551	6.939145	6.81748	6.938535	6.94069	7.070193	6.82544	6.937902	6.837864	6.932833	6.809156	6.867393

FNTA	FNTA	9.693068	9.972269	10.0599	10.2303	10.04003	10.55776	9.881547	10.15081	10.06405	10.10679	9.989706	9.705263
FNTB	FNTB	9.022698	9.431773	9.144185	9.465949	9.653494	10.22675	9.753352	9.806205	9.519011	9.761131	9.180647	9.019158
FOLH1	FOLH1	6.985653	7.122617	6.894355	7.147271	6.953208	7.07484	6.994298	7.093707	6.961046	7.014979	6.931567	6.918073
FOLR1	FOLR1	6.904478	7.100897	7.088332	7.471373	7.101417	7.119846	6.961511	6.974152	6.986843	7.042615	6.829196	6.860947
FOLR2	FOLR2	6.906214	7.151748	6.827851	7.008729	6.933955	6.954057	6.89056	7.106807	7.011328	7.004778	6.908035	6.799996
FOLR3	FOLR3	6.872325	7.007193	6.978804	7.01914	6.834608	6.972033	6.795389	6.8653	6.830871	6.919698	6.83746	6.905902
FOS	FOS	9.867249	8.802371	8.284657	8.916131	8.343807	10.32334	7.961592	8.319648	8.467113	8.942273	9.372731	9.952031
FOSB	FOSB	8.943322	7.982069	8.188195	9.36301	8.588755	10.50109	8.134115	8.465966	8.721326	10.40123	9.279827	9.872113
FOSL1	FOSL1	7.270423	7.885721	7.148333	7.358354	7.157137	7.275288	7.062879	7.112807	7.08466	7.235491	7.610472	7.262117
FOSL2	FOSL2	7.001206	7.260703	6.925584	7.397545	7.241392	7.264892	7.022746	7.059339	7.159637	7.185346	7.127509	7.179473
FOXA1	FOXA1	6.89703	7.047103	8.964863	9.91802	9.393611	6.893358	6.880517	6.97292	7.455001	6.985896	6.77555	6.827925
FOXA2	FOXA2	6.846329	7.086858	9.652643	8.771157	7.936862	7.016967	6.76067	6.94465	6.854377	6.909417	6.676259	6.750065
FOXA3	FOXA3	9.265308	9.717591	9.371817	8.18175	7.589091	7.240167	6.961128	7.119163	7.027163	6.966651	6.926759	6.830763
FOXB1	FOXB1	6.869336	7.032963	6.78751	6.972363	6.935524	6.862287	6.805674	6.897265	6.883372	6.991426	6.735142	6.821406
FOXC1	FOXC1	7.110552	7.439073	12.51474	10.95733	10.46747	10.35894	10.41034	9.942901	9.997656	8.927939	9.578593	9.352548
FOXC2	FOXC2	7.208337	7.402138	7.348464	7.746961	7.547926	7.581515	7.518734	7.489066	7.40262	7.38919	7.664328	7.158033
FOXD1	FOXD1	6.978316	7.725302	7.250837	7.60133	7.406857	7.426999	7.145483	7.442099	7.453693	7.658554	9.458121	8.731805
FOXD2	FOXD2	6.9073	7.035479	7.098298	7.101778	7.03982	6.949791	6.869204	6.908874	7.05916	6.964958	6.745907	6.907646
FOXD3	FOXD3	7.448124	7.521479	6.926896	6.954522	6.882057	7.045426	6.880617	6.916594	6.86399	6.945014	6.763175	6.876075
FOXD4	FOXD4	7.216993	7.485214	7.133126	7.307846	7.318387	7.774984	7.337097	7.32929	7.31661	7.299593	7.248926	7.413067
FOXD4L1	FOXD4L1	6.908436	7.129106	6.819411	7.179475	7.107253	7.639245	7.145112	7.183862	7.299169	7.17381	7.094866	7.174758
FOXD4L2	FOXD4L2	6.816486	6.990705	6.792516	6.968928	6.886988	6.962084	6.791583	6.858793	6.804845	6.868022	6.775549	6.759636
FOXD4L3	FOXD4L3	6.966972	7.03492	6.763907	7.167587	6.915566	6.971125	6.846564	6.888339	6.904892	7.035914	6.89453	6.836884
FOXE1	FOXE1	6.913433	7.115174	6.834095	7.087173	6.94121	7.072142	6.971118	6.944715	6.937848	6.957931	6.791105	6.917302
FOXE3	FOXE3	6.932923	7.105301	6.851781	7.052296	6.944273	7.182898	6.933254	6.936303	6.870184	6.94905	6.792697	6.896737
FOXF1	FOXF1	6.838217	7.229185	7.749974	9.558841	8.746329	7.870597	7.424056	7.256932	7.482507	7.244633	7.645919	7.745562
FOXF2	FOXF2	6.973587	7.181213	7.05318	8.209569	7.640543	7.197265	6.849802	7.083803	7.039243	6.976073	6.867902	6.88692
FOXG1B	FOXG1B	6.919551	7.004809	6.888453	7.040657	6.951207	6.940435	6.841254	6.942454	6.9459	6.991625	6.763175	6.925052
FOXH1	FOXH1	7.410769	7.552269	7.181707	7.50876	7.377529	7.469841	7.234036	7.315282	7.270662	7.550292	7.158313	7.406835
FOXI1	FOXI1	6.955088	7.144127	6.802963	7.039958	6.962781	7.033503	6.866036	7.027708	6.903855	7.005087	6.861034	6.848493
FOXJ1	FOXJ1	7.005233	7.202239	7.038564	7.098093	7.002191	6.962709	6.864984	6.963706	6.986324	6.998296	6.915702	6.927055
FOXJ2	FOXJ2	9.531087	9.391777	9.418278	10.25808	10.66068	10.70534	10.40749	10.52763	10.36215	10.34014	10.19519	10.4057
FOXJ3	FOXJ3	10.47038	10.63466	10.6332	10.5085	10.5516	11.0595	10.53505	10.42058	10.51803	10.17769	10.03303	10.23799
FOXK1	FOXK1	8.033938	8.012633	8.66486	9.148691	9.322077	9.437359	9.006693	8.954682	8.982147	8.830949	8.794475	8.617542
FOXK2	FOXK2	7.048415	7.268896	6.924462	7.236247	7.183915	7.236847	7.06511	7.128242	7.056361	7.0647	6.947951	6.994182
FOXL1	FOXL1	6.885779	7.1074	6.83124	7.088771	6.875834	7.016696	6.92868	6.940431	6.94933	6.941093	6.790817	6.801082

FOXL2	FOXL2	6.96409	7.129445	6.856748	7.059422	6.897629	6.920616	6.90264	6.950526	6.895447	6.854771	6.812276	6.836604
FOXM1	FOXM1	9.031089	9.301381	8.479075	8.733728	8.129784	7.968772	7.771449	7.708224	7.613247	7.627137	7.378929	7.040139
FOXN1	FOXN1	6.884073	7.261618	6.881071	7.035579	6.920458	7.13717	6.862944	6.989062	7.004432	6.976219	6.836315	6.893483
FOXN4	FOXN4	6.898578	7.149849	6.982247	7.095767	7.058301	6.819076	6.905934	6.977971	6.790968	6.90194	6.787942	6.816162
FOXO1A	FOXO1A	10.30518	10.48424	8.909254	9.28943	9.395067	9.462996	9.056177	9.308417	9.056021	9.352783	8.869749	9.412804
FOXO3A	FOXO3A	9.488595	9.901063	9.321146	9.819242	9.688732	9.738136	9.195151	9.233217	9.351505	8.983351	8.845714	9.402718
FOXP1	FOXP1	7.038094	7.316854	7.012766	7.288183	7.266981	7.352086	7.338347	7.324817	7.278716	7.238308	7.050988	7.175774
FOXP2	FOXP2	6.819199	7.072586	6.855712	7.05997	6.920685	7.037115	6.901899	7.002282	6.989437	7.042864	6.772037	6.843427
FOXP3	FOXP3	6.899376	7.004961	6.902409	6.999285	6.907309	6.958299	6.908556	6.933798	6.881673	6.95349	6.804221	6.849215
FOXP4	FOXP4	7.188613	7.364083	7.170976	7.610722	7.514457	7.47862	7.26701	7.222952	7.26539	7.213234	7.039757	7.115738
FOXQ1	FOXQ1	6.940822	7.051646	7.255697	8.199072	7.340521	7.193552	6.997883	7.016192	7.197612	7.076583	6.921592	6.887163
FOXR1	FOXR1	6.881454	7.028444	6.732414	7.005455	6.910133	6.89746	6.848758	6.903075	6.872381	6.86701	6.77521	6.854677
FOXR2	FOXR2	6.82515	7.114605	6.773289	6.899757	6.951896	6.968472	6.889714	6.879689	6.800542	6.890076	6.734302	6.896243
FOXRED1	FOXRED1	9.774314	9.9239	9.293946	9.575506	9.376092	9.894361	9.593212	9.700981	9.437697	9.742836	9.321617	9.002658
FOXRED2	FOXRED2	8.323221	8.436879	7.788966	7.938525	7.827079	8.148738	8.132801	7.847635	7.920327	7.757884	7.436562	7.508963
FPGS	FPGS	7.009845	7.187449	6.887093	7.079149	6.972858	7.115806	6.9395	7.120218	6.934237	7.130926	6.807757	7.001271
FPGT	FPGT	6.909348	6.9836	6.868115	7.072367	7.07671	7.072955	7.045271	6.947502	6.957907	7.086429	6.818043	6.935863
FPR1	FPR1	6.852074	7.09118	6.785787	7.048022	7.033656	6.943937	6.893904	6.91742	6.916475	6.803365	6.8287	6.843967
FPRL1	FPRL1	6.798722	7.026429	6.729773	7.008549	6.8745	6.966164	6.889767	6.906613	6.854013	6.919563	6.808287	6.849515
FPRL2	FPRL2	6.860366	7.096547	6.775491	6.998971	6.951181	6.9616	6.768493	6.915383	6.836944	6.873853	6.888673	6.806188
FRAG1	FRAG1	10.14272	10.50004	9.407729	9.260697	9.169603	8.717844	8.825776	8.770178	8.95503	8.897152	8.416925	8.669716
FRAP1	FRAP1	10.1152	10.33204	9.604893	10.08739	9.597629	9.844483	9.497232	9.65724	9.484938	9.447082	9.253708	9.353547
FRAS1	FRAS1	9.672571	9.277431	8.737913	9.660909	9.523549	8.916836	8.417762	8.639211	8.490694	8.309092	7.867533	7.402999
FRAT1	FRAT1	7.222488	7.699572	7.16796	7.281637	7.168913	7.198425	7.077364	7.056768	7.059898	7.093655	6.885094	6.915522
FRAT2	FRAT2	11.66466	12.65162	10.1752	9.753235	9.429602	9.675406	9.222963	9.328367	9.064412	9.073889	8.902417	8.933371
FREM1	FREM1	6.833941	7.213197	8.047204	10.57832	9.389195	8.615914	8.823858	8.503692	8.144296	7.811027	7.081607	6.839666
FREM2	FREM2	7.750288	7.669073	7.661046	9.018425	10.00112	10.65073	9.567799	8.516767	7.872942	7.471183	6.96907	7.220683
FREM3	FREM3	6.878894	7.128777	6.786212	7.068669	7.021362	6.981377	6.816329	6.999609	6.966854	6.951444	6.700645	6.892303
FREQ	FREQ	8.429475	8.617924	8.174055	8.758274	8.562398	9.159174	8.973919	8.91928	8.879616	8.916824	9.150577	8.631749
FRG1	FRG1	9.855483	10.89504	10.24257	10.38605	10.36084	11.02347	10.64601	10.01367	10.6894	10.4968	9.80605	10.20092
FRG2	FRG2	6.871826	6.992453	6.828165	6.951035	6.882944	6.891443	6.871379	6.869062	6.942703	6.876842	6.770289	6.859827
FRK	FRK	6.783945	7.022663	6.771215	6.979554	6.957704	7.079542	6.946922	6.94629	6.909792	7.06138	6.73658	7.098615
FRMD1	FRMD1	6.819288	6.933794	6.682682	7.008165	6.940377	6.912373	6.834522	6.807948	6.724804	6.798228	6.709014	6.801256
FRMD3	FRMD3	7.112931	7.276103	6.933052	7.532526	7.791104	9.814572	9.920767	10.11963	9.565712	9.625717	8.709541	8.623465
FRMD4A	FRMD4A	8.680104	9.036275	8.449763	9.215043	9.085494	7.878786	7.933334	8.092392	9.064775	8.132373	9.218645	8.889829
FRMD4B	FRMD4B	6.917487	7.023458	6.741383	6.924647	6.881177	6.869863	6.846884	6.942659	6.88867	6.878861	6.792824	6.816129

FRMD5	FRMD5	7.292562	7.306432	6.913306	7.094386	7.170219	7.716996	8.250962	8.758616	8.553464	8.876698	8.495798	8.328535
FRMD6	FRMD6	7.714948	8.100799	8.915799	9.997803	8.570866	8.41385	7.745361	8.010464	8.055908	8.014105	9.354579	9.201785
FRMPD1	FRMPD1	7.068156	7.327539	6.985827	7.259015	7.094754	7.441005	7.16053	7.333255	7.501426	7.428454	7.039815	7.141366
FRMPD2	FRMPD2	6.816744	7.010499	6.880265	6.992084	6.879481	6.928607	6.843957	6.886625	6.791988	6.911618	6.797245	6.835224
FRMPD4	FRMPD4	7.061513	7.286778	7.163748	7.540381	7.198028	7.22784	7.214004	7.155818	7.072987	7.198064	6.956847	6.992214
FRRS1	FRRS1	7.200391	7.431167	6.9678	7.314719	7.205699	7.403054	7.264139	7.376953	7.357319	7.415307	7.150605	7.2107
FRS2	FRS2	6.986743	7.237377	6.971428	7.126727	7.011348	7.088391	6.889204	6.996635	6.91683	6.948878	6.829775	6.84966
FRS3	FRS3	8.118676	8.122486	8.036797	8.474784	8.921043	9.088797	8.908499	8.620679	8.71044	8.595373	8.120431	8.18598
FRY	FRY	6.940647	7.149229	6.972599	7.014135	7.159504	7.365425	7.338285	7.547769	7.700562	7.789399	7.420619	7.577509
FRYL	FRYL	8.166563	8.447367	8.308907	8.516618	8.267912	7.917028	8.037912	7.882508	8.116519	7.804794	7.6377	7.793496
FRZB	FRZB	8.363285	8.701723	10.76837	11.72878	13.27046	9.851035	9.803329	9.3692	8.786986	8.955684	7.721564	8.222119
FSBP	FSBP	7.275194	7.369326	7.195625	7.391464	7.133519	7.351601	7.153017	7.048329	7.067557	7.147554	6.86633	6.916285
FSCN1	FSCN1	13.17413	13.40741	14.04108	14.17648	13.5555	13.48461	12.44006	12.51079	12.42181	12.23001	12.71448	11.87529
FSCN2	FSCN2	6.848748	6.988546	6.728178	7.052719	6.929941	7.122747	6.914348	6.975699	6.895209	6.897152	6.816413	6.805573
FSCN3	FSCN3	6.921905	6.998657	6.861183	6.963909	7.008181	7.008902	6.876534	6.930803	6.884543	6.917456	6.738574	6.890835
FSD1	FSD1	8.337856	8.486118	7.723758	7.786903	7.527749	7.584323	7.425664	7.484246	7.406269	7.264211	7.14078	7.110542
FSD1CL	FSD1CL	6.874307	6.965983	6.808388	7.055315	6.934955	7.052784	6.959614	7.086358	7.050259	7.002983	6.778696	6.99211
FSD1NL	FSD1NL	7.207546	7.348018	7.047239	7.411747	7.172456	7.396224	7.340924	7.220667	7.260714	7.344056	7.081211	7.129442
FSD2	FSD2	6.82645	7.021017	6.748955	7.952298	8.73195	10.17387	10.3941	10.67838	10.22851	10.35723	9.319649	9.932451
FSHB	FSHB	6.812073	7.042926	6.792974	6.922955	6.943774	6.979717	6.915996	6.920048	6.825923	6.987448	6.722453	6.794837
FSHPRH1	FSHPRH1	7.663582	7.757957	7.626597	7.776854	7.378478	7.472599	7.255481	7.454451	7.222687	7.2877	7.1095	6.974009
FSHR	FSHR	6.7926	7.012396	7.703364	7.812795	7.245148	6.951681	6.814557	6.962122	6.849667	6.887053	6.760323	6.807801
FSIP1	FSIP1	6.993416	7.205013	7.038675	7.216055	7.071755	6.956683	6.934851	6.994459	7.013424	6.949788	6.96933	6.942919
FSIP2	FSIP2	6.950821	7.090907	6.894599	7.106518	7.013016	7.056574	7.016019	7.049595	6.958921	7.062791	6.908021	6.923002
FST	FST	9.250206	11.06786	10.59227	11.36946	11.40354	9.67936	8.332051	8.32257	8.842969	8.343349	10.12295	8.945608
FSTL1	FSTL1	10.8328	11.01773	11.05869	12.06202	11.07417	11.24495	10.63325	10.90298	10.8754	10.75021	11.34192	11.18268
FSTL3	FSTL3	7.243588	7.493779	7.115676	7.727265	7.967041	7.733138	7.656196	7.93155	7.763451	7.977945	8.675683	8.002573
FSTL4	FSTL4	6.828938	6.995485	6.765402	6.923761	6.928255	6.840021	6.81799	6.782291	6.753659	6.845913	6.774125	6.893139
FSTL5	FSTL5	6.875288	7.12116	6.9315	7.188513	7.276807	7.052909	6.982225	6.975317	7.80209	7.034213	6.772194	6.852819
FTCD	FTCD	7.109667	7.222858	6.763642	7.278463	7.147968	7.386205	7.071099	7.029146	6.984193	6.993045	6.796715	6.834554
FTH1	FTH1	9.785103	9.962041	9.064822	9.169592	9.624538	10.57926	10.45373	10.3044	10.61439	10.68223	10.39913	10.66336
FTHL11	FTHL11	9.736852	10.73144	9.762846	9.663039	9.537273	9.703481	10.19156	9.422624	10.38592	10.11352	10.25151	10.76145
FTHL12	FTHL12	10.84237	11.81461	10.79693	10.63063	10.64589	11.04341	11.41012	10.70855	11.52991	11.45947	11.60583	12.04977
FTHL17	FTHL17	6.917728	7.017516	6.891144	6.958051	6.971184	7.018941	6.85267	6.93167	6.920442	7.013876	6.889689	6.86037
FTHL2	FTHL2	8.699287	9.724596	8.747214	8.741625	8.580564	8.883769	9.205589	8.46581	9.315816	9.230973	9.232869	9.754955
FTHL3	FTHL3	9.177487	9.979238	9.002485	8.979232	8.912823	9.222112	9.42462	8.910898	9.602133	9.635865	9.69552	10.27551

FTHL7	FTHL7	12.62932	13.1878	12.36187	12.40565	12.19984	12.75716	12.59744	12.69469	12.8106	12.93987	13.17443	13.09681
FTHL8	FTHL8	10.27102	11.34733	10.27744	9.981347	10.10862	10.30856	10.85095	10.05689	11.04554	10.79221	11.04298	11.50119
FTL	FTL	14.2008	15.01559	14.04629	14.12277	14.16125	13.65183	12.92183	13.13625	13.25816	12.90752	13.83779	13.53913
FTMT	FTMT	6.889164	7.085834	6.87399	6.991033	6.913499	6.914895	6.845163	6.84527	7.024596	6.925581	6.795873	6.894488
FTO	FTO	8.076088	8.38801	7.853784	8.532689	8.503621	8.765518	8.546288	8.68444	8.545299	8.703258	8.66034	8.687119
FTS	FTS	7.649652	7.863981	7.477382	7.788117	7.919016	8.459206	8.423669	8.44071	8.494991	8.549858	8.526132	8.709281
FTSJ1	FTSJ1	8.31868	8.386929	7.845574	8.100569	7.999005	8.326727	7.98668	8.103715	7.97953	8.140286	8.286395	7.942883
FTSJ2	FTSJ2	7.627244	8.011964	7.586272	7.685113	7.522088	7.784943	7.543397	7.441216	7.433011	7.460845	7.19069	7.462717
FTSJ3	FTSJ3	8.10247	8.341566	7.699867	7.924766	7.734868	8.274787	7.783042	7.819194	7.732904	7.779843	7.568786	7.859118
FUBP1	FUBP1	8.973065	8.687146	8.475962	8.690727	8.319376	8.789313	8.227409	8.157244	8.135742	7.93011	7.524009	7.594043
FUBP3	FUBP3	11.01678	11.08546	10.69309	10.92112	11.05139	11.52755	10.59947	10.64811	10.64018	10.30344	10.4868	10.475
FUCA1	FUCA1	8.120999	8.352288	7.738237	8.142594	8.560082	9.171129	8.694949	8.976941	8.815807	8.928805	9.059832	9.175325
FUCA2	FUCA2	8.458247	8.71045	7.973434	8.058619	7.77353	8.049714	7.801134	7.955769	7.790644	7.991156	8.026456	8.00531
FUK	FUK	7.730801	8.403517	8.053693	8.145844	8.018345	8.904036	8.657961	8.663621	8.661013	8.584232	8.114834	8.231066
FUNDC1	FUNDC1	9.108635	9.646438	9.288354	9.185138	9.240258	10.35527	9.951563	9.73465	9.951769	9.826841	9.575492	9.267177
FUNDC2	FUNDC2	7.071743	7.246765	7.008192	7.195727	7.107623	7.372376	7.157331	7.270602	7.28651	7.317732	7.183496	7.188133
FURIN	FURIN	7.258015	7.591369	7.352928	7.919627	7.627973	7.823886	7.601655	7.691565	7.541793	7.731293	7.92008	7.563266
FUS	FUS	8.54539	9.143522	8.433567	8.65826	8.366822	8.5988	8.177141	8.029124	8.098863	8.169886	7.701514	7.662123
FUSIP1	FUSIP1	9.045143	9.516677	8.868492	8.839259	8.655472	9.06771	8.518031	8.612079	8.65553	8.602678	8.460278	8.053489
FUT1	FUT1	7.375776	7.405934	6.912865	7.154617	7.001311	6.972034	6.848952	6.904376	6.893182	6.878772	6.841773	6.889245
FUT10	FUT10	7.126896	7.197154	7.081647	7.189054	7.096241	7.009729	6.939895	7.00675	6.981756	7.024931	6.756605	6.893374
FUT11	FUT11	6.909553	7.163325	6.959056	7.140281	7.050729	7.198733	7.050855	6.993412	7.019922	6.87975	6.893406	7.144865
FUT2	FUT2	7.087339	7.540884	7.034552	6.880881	6.867913	6.881751	6.795995	6.730294	6.800913	6.769389	6.665638	6.683139
FUT3	FUT3	6.864572	7.082077	6.895132	6.956691	6.923136	7.147027	6.811365	6.99428	6.951222	6.960431	6.758882	6.871665
FUT4	FUT4	8.344645	8.219295	8.051346	8.023983	7.847008	7.87625	7.574265	7.610263	7.412154	7.356693	7.349512	7.192949
FUT5	FUT5	7.009	7.169565	6.829265	7.173144	7.090007	7.047839	6.960142	7.032992	7.092631	7.044278	6.913844	6.897885
FUT6	FUT6	7.012641	7.214523	6.978417	7.184523	7.1609	7.169726	7.105543	7.110485	6.989022	7.137246	6.900965	6.988278
FUT7	FUT7	6.868341	7.072472	6.855417	7.028962	6.985862	7.018	6.948767	6.940197	6.88748	6.902975	6.707952	6.824954
FUT8	FUT8	7.386706	7.922516	7.989396	8.14196	7.585699	7.3899	7.367875	7.295704	7.45372	7.385273	7.472116	7.6354
FUT9	FUT9	6.782364	6.889641	6.81253	6.954661	6.791986	6.951688	6.960409	6.866401	6.753553	6.898355	6.655844	6.827395
FVT1	FVT1	9.408135	9.795651	9.150139	9.386287	9.170492	9.256554	8.877142	9.052466	9.129731	9.210965	9.661465	9.610844
FXC1	FXC1	7.94308	8.214855	7.70208	8.09484	7.932976	8.472268	8.038259	8.313869	7.951093	8.261338	8.235458	8.218218
FXN	FXN	7.544563	7.679689	7.268799	7.558159	7.422035	7.494047	7.43035	7.32125	7.247515	7.374118	7.143161	7.251318
FXR1	FXR1	10.8167	10.96696	10.6336	10.68785	10.66678	11.42053	10.63661	10.81629	10.75186	10.5573	10.31637	10.35365
FXR2	FXR2	7.450524	7.900925	7.487183	7.890078	8.038665	9.2393	8.468502	8.432499	8.184294	8.906736	9.100586	8.985361
FXYD1	FXYD1	7.136119	7.237501	6.952124	7.149439	7.12593	7.243947	7.497723	7.772313	7.556783	8.180505	8.374345	8.097114

FXYD2	FXYD2	6.954579	7.152851	6.893922	7.068587	6.975477	7.043078	6.959514	6.996236	6.969444	6.995532	6.836665	6.922387
FXYD3	FXYD3	6.82987	7.061424	6.780002	6.931188	6.895343	6.983716	6.841953	6.881577	6.866376	6.925693	6.756821	6.809099
FXYD4	FXYD4	6.76316	7.037005	6.71515	6.951621	6.774777	7.029537	6.738832	6.903195	6.856195	6.875621	6.78497	6.672627
FXYD5	FXYD5	10.20711	10.18095	9.003296	8.966024	8.780498	8.410912	9.085741	9.166351	9.448781	8.944436	9.92605	9.123329
FXYD6	FXYD6	8.713996	9.208125	8.694132	9.739749	10.03135	10.02687	10.67299	10.84518	10.67184	10.90405	10.2866	10.02904
FXYD7	FXYD7	7.315534	7.334559	6.933107	7.003114	7.06046	7.051667	6.988297	6.960814	7.12349	7.016492	6.783408	6.838324
FYB	FYB	6.90607	7.029593	6.786038	7.014836	6.894377	6.962135	6.886392	6.931518	6.91289	6.879557	6.763827	6.804259
FYCO1	FYCO1	8.26028	8.247135	7.350669	7.898496	8.420169	9.602176	9.575279	9.810816	9.575254	9.824966	9.501712	10.16612
FYN	FYN	8.320371	8.846844	8.257956	8.718185	8.232812	8.460651	8.200301	8.416064	8.463296	8.383827	8.252761	8.140531
FYTTD1	FYTTD1	7.847256	8.313138	8.255777	9.216404	9.014454	9.513335	9.224318	8.791917	9.261219	9.052866	8.621065	9.11713
FZD1	FZD1	7.165211	7.394118	7.253715	7.667681	7.650724	8.149966	8.024578	8.079459	8.102909	8.104949	7.791941	7.95659
FZD10	FZD10	6.940303	7.141451	6.942477	7.177428	7.080751	7.107258	6.96753	7.080054	6.971664	7.06687	6.971713	7.007436
FZD2	FZD2	9.74807	9.351529	9.973522	10.72333	10.77885	10.30928	9.926319	9.793276	9.678244	9.790109	9.46597	9.352729
FZD3	FZD3	9.27719	9.289383	8.865949	9.201655	8.904391	9.267609	8.738303	8.695661	8.527348	8.155621	7.646163	7.792273
FZD4	FZD4	8.412235	8.443302	9.582215	10.80922	10.07851	9.322802	8.572004	8.519937	8.403144	7.990195	7.813905	7.533653
FZD5	FZD5	7.796126	8.105237	7.052911	7.162875	7.098155	7.275311	7.017982	6.95035	6.987857	6.998059	7.048932	6.868804
FZD6	FZD6	7.539713	7.900207	7.701381	8.693358	8.578246	8.586866	8.603471	8.346899	8.438149	8.31374	8.326209	8.567742
FZD7	FZD7	10.46996	10.09434	9.905101	9.568663	9.391079	9.488691	8.256462	8.189446	8.429493	7.967367	7.83977	7.847987
FZD8	FZD8	7.507556	8.04199	7.591863	8.509429	8.522333	8.727418	8.459999	8.80319	8.325722	9.195284	8.498239	8.255957
FZD9	FZD9	8.916768	8.160089	8.010378	7.963154	8.078852	8.206325	7.534538	7.484214	8.182668	7.637642	7.495659	7.382005
FZR1	FZR1	7.036508	7.333481	7.143087	7.328847	7.375657	7.661401	7.364016	7.456161	7.447659	7.609197	7.257082	7.41224
G0S2	G0S2	6.824388	6.996478	6.837312	7.029797	6.985632	7.304232	7.082357	7.30641	7.446953	7.464971	7.494543	7.642854
G10	G10	10.87055	11.31849	10.92979	10.73353	10.82175	11.66198	11.00658	11.1013	11.08867	11.12892	11.45733	10.91813
G1P3	G1P3	9.746407	10.38102	8.627973	10.01428	10.70984	10.92386	10.9275	10.65511	11.48583	11.1385	10.50962	11.16497
G3BP1	G3BP1	9.464686	10.37888	9.673689	9.61226	9.221573	9.221652	8.84349	8.388315	8.745574	8.475478	8.534658	8.745043
G3BP2	G3BP2	11.27077	11.55941	10.61057	11.21702	11.08072	11.92658	11.21135	11.34749	11.17773	10.97346	10.59784	10.2838
G6PC	G6PC	6.740611	7.01882	6.799187	6.932	6.906263	6.804116	6.828724	6.815528	6.857519	6.861875	6.774392	6.915852
G6PC2	G6PC2	6.912574	7.019315	6.833718	6.991907	7.002774	6.937825	6.791801	6.952264	6.941087	6.969946	6.781979	6.77102
G6PC3	G6PC3	9.338496	9.483596	8.824854	8.838559	8.848129	9.093254	8.862201	9.181629	8.773518	8.92308	9.44024	8.760444
G6PD	G6PD	8.7861	9.205571	8.488995	8.90178	8.479161	7.919989	7.741004	7.775785	7.986302	7.836005	8.677063	8.515628
GAA	GAA	7.869541	7.946387	7.406639	7.92425	7.59243	7.769929	7.552238	7.61968	7.573139	7.620281	7.569221	7.637921
GAB1	GAB1	6.968575	7.227326	6.907384	7.261914	7.139655	7.480584	7.369453	7.511769	7.320865	7.436155	7.181111	7.261999
GAB2	GAB2	7.203069	7.55373	7.246457	7.526879	7.375906	7.947213	7.395356	7.474456	7.474061	7.425106	7.242672	7.30131
GAB3	GAB3	6.912404	7.098573	6.948801	7.02814	6.910896	7.068574	6.88297	6.957809	6.886032	6.98326	6.833377	6.880685
GAB4	GAB4	6.850699	7.055583	6.734449	7.041459	6.966418	6.982239	6.905777	6.926819	6.929797	6.986124	6.872278	6.854728
GABARAP	GABARAP	7.748524	8.390394	7.836657	8.303848	8.293654	8.748801	8.836805	8.313834	8.903743	8.687275	8.046686	8.801981

GABARAP	GABARAP	10.08724	10.63197	9.770661	9.990583	10.74562	10.23993	9.848679	10.08144	10.16806	10.31542	10.35432	10.78304
GABARAP	GABARAP	10.14666	10.69396	10.20062	10.6326	11.18463	12.17163	12.05263	12.17048	12.22564	12.29966	12.2539	11.97335
GABBR1	GABBR1	8.14472	8.304504	8.037925	8.060196	8.199074	8.67606	8.326108	8.276259	8.137581	8.121539	7.817861	7.813763
GABBR2	GABBR2	7.10061	7.356219	7.28726	7.239276	6.977496	7.070085	6.819152	7.015655	7.20965	7.0387	7.076731	6.95858
GABPA	GABPA	7.621963	7.817305	7.80911	8.042721	7.97293	8.688803	7.863223	8.098345	7.692519	7.826867	7.645769	7.630717
GABPB2	GABPB2	8.033603	8.383937	8.134775	8.218257	7.745234	7.999166	7.42229	7.637334	7.584147	7.553427	7.653666	7.300368
GABRA1	GABRA1	7.139441	7.150046	6.992148	7.075671	6.982697	6.898268	6.883133	6.987207	6.968549	6.972324	6.785737	6.85099
GABRA2	GABRA2	6.807388	6.972196	6.734575	7.035987	6.951302	6.951451	7.128769	7.285442	7.540109	7.511987	7.15567	7.173381
GABRA3	GABRA3	6.876797	7.126535	6.828533	7.060358	6.968905	6.921812	6.813436	6.947286	6.75529	6.846307	6.777624	6.855229
GABRA4	GABRA4	6.78475	6.878201	6.732793	6.930576	6.895115	6.993287	6.840324	6.914886	6.860246	6.849937	6.831926	6.861111
GABRA5	GABRA5	7.850107	7.772653	7.148306	7.027555	6.953387	7.011646	6.931639	6.954802	6.992252	6.964548	6.835687	6.912404
GABRA6	GABRA6	6.862772	7.059098	6.843539	6.983773	6.942241	7.080557	7.073154	7.015371	6.922451	6.995932	6.818828	6.839441
GABRB1	GABRB1	6.725931	6.936931	6.721936	7.047597	7.234025	6.899989	6.900054	7.055711	6.873458	7.006757	6.896391	6.879633
GABRB2	GABRB2	6.807615	7.009643	6.773042	6.925818	6.907175	6.982415	6.984858	6.950373	6.969706	6.955982	6.776195	6.810419
GABRB3	GABRB3	9.619779	10.30424	8.984725	7.494772	7.140629	7.202841	6.972658	7.033391	7.424392	7.027157	6.835079	6.874082
GABRD	GABRD	7.004551	7.304405	7.005211	7.11897	7.089073	7.040143	6.966133	7.090094	7.014232	7.019039	7.062957	7.063001
GABRE	GABRE	7.086593	7.361764	7.323789	7.187886	7.109528	7.344255	7.68802	7.991297	7.604827	8.248671	7.328239	7.751364
GABRG1	GABRG1	6.863205	7.027474	6.740847	7.036063	6.897592	6.936648	6.810331	6.855707	6.890047	6.861454	6.744416	6.799739
GABRG2	GABRG2	7.131689	7.34793	6.873596	6.985236	6.939466	6.927757	6.79745	6.964456	6.895416	6.901932	6.723341	6.788685
GABRG3	GABRG3	6.921787	7.065826	6.791588	7.030581	7.197821	7.020929	6.86059	6.997029	6.970247	6.856964	6.769165	6.792306
GABRP	GABRP	7.288034	7.222166	8.276754	8.820279	8.294093	7.23197	6.921391	7.076607	7.449911	7.089624	6.822859	6.89484
GABRQ	GABRQ	6.730551	7.019337	6.767733	7.018056	6.808324	6.886822	6.73947	6.921282	6.888736	6.862277	6.739433	6.812774
GABRR1	GABRR1	6.918343	7.109178	6.763335	6.952103	7.0058	6.973034	6.739707	6.948024	6.948864	6.957684	6.780494	7.229656
GABRR2	GABRR2	6.772134	6.991284	6.738782	7.014441	6.857858	6.913792	6.833685	6.878534	6.851536	6.820236	6.810384	6.848997
GABRR3	GABRR3	6.987107	7.003904	6.794728	6.902743	6.897016	6.840234	6.87048	6.91976	6.842464	6.887695	6.71749	6.757108
GAD1	GAD1	7.009576	7.218088	10.20532	8.23372	7.296418	7.274291	7.044374	7.136546	7.103957	7.058598	6.965602	6.952974
GAD2	GAD2	6.958962	7.013185	6.776035	7.10683	6.937822	7.016651	6.876492	6.948304	6.871289	6.974165	6.86457	6.935558
GADD45A	GADD45A	8.828262	9.542032	9.696231	9.943544	10.02484	11.71255	10.4953	10.5393	10.48464	10.5833	10.78057	10.7889
GADD45B	GADD45B	7.382419	7.467577	7.461741	7.639069	7.55989	9.108061	7.73879	8.025247	8.197145	8.489364	8.633851	8.654779
GADD45G	GADD45G	9.280838	8.49531	8.39783	9.218183	9.773865	10.61919	9.530693	9.125097	9.522991	9.766205	8.622613	9.24697
GADD45G	GADD45G	7.209525	7.521739	7.141025	7.222076	7.18128	7.20821	7.170956	7.083044	6.989364	7.274742	6.975346	7.112891
GADL1	GADL1	6.725832	6.98091	6.79192	7.080555	6.966741	6.942615	6.768163	6.899974	6.876483	7.009878	6.802289	6.765638
GAGE1	GAGE1	6.88352	7.082475	6.802556	7.053843	7.034482	6.984464	6.933048	6.947629	6.886009	6.938292	6.833505	6.82783
GAGE2	GAGE2	6.935933	7.043385	6.848371	7.04677	7.001064	6.995409	6.947702	6.939529	6.993766	6.896949	6.819063	6.765633
GAGE4	GAGE4	7.039272	7.105532	6.840227	7.159155	7.154656	7.006431	7.024782	7.119808	6.925848	7.074569	6.905405	6.897293
GAGE5	GAGE5	6.833685	7.074778	6.775116	6.966135	6.916633	7.027824	6.803652	7.000667	6.883068	6.93882	6.814438	6.874736

GAGE6	GAGE6	6.851785	6.982305	6.863238	7.035836	7.029926	7.196016	6.989201	6.95765	6.951666	6.955047	6.805355	6.91293
GAGE7	GAGE7	7.064315	7.14854	7.10974	7.307806	7.197754	7.230083	6.93303	7.134746	7.092879	7.027309	6.966044	7.000869
GAGE7B	GAGE7B	6.927376	6.951528	6.708877	7.116583	6.879591	7.023329	6.800408	6.906715	6.735171	6.859254	6.762102	6.779707
GAGE8	GAGE8	6.861663	7.098526	6.822737	7.015545	6.950333	7.153263	6.834672	6.916719	6.872635	6.978583	6.805826	6.877905
GAK	GAK	8.976607	9.127868	8.660265	9.01908	8.990126	9.198333	8.706378	8.747087	8.735092	8.543338	8.450092	8.494219
GAL	GAL	10.68008	11.39166	11.6541	8.737919	7.471381	8.041745	7.771554	7.606892	7.725439	7.733855	8.160673	7.407851
GAL3ST1	GAL3ST1	7.582985	7.333262	7.686952	7.290836	7.048539	6.9603	6.935423	6.845596	7.001259	6.974066	6.776532	6.735525
GAL3ST2	GAL3ST2	7.288012	7.517324	7.131706	7.311104	7.430328	7.535851	7.312142	7.317581	7.452162	7.334037	7.492022	7.259816
GAL3ST3	GAL3ST3	8.338059	8.551322	7.357189	7.403306	7.338609	7.840192	7.467561	7.493193	7.360232	7.418762	7.192488	7.582977
GAL3ST4	GAL3ST4	7.055683	7.226312	7.112635	7.215951	7.17953	7.378329	7.044288	7.021423	7.170994	6.929099	6.892374	7.014811
GALC	GALC	8.300918	8.379805	8.725805	9.429271	9.68142	9.697136	9.481911	9.550879	9.266536	9.25309	9.058194	9.136483
GALE	GALE	7.383337	7.813076	7.650615	7.954564	7.833154	8.084684	7.699473	7.596916	7.571982	7.58158	7.440172	7.338675
GALGT	GALGT	6.949576	7.128345	6.898366	7.146916	7.016018	7.221026	7.125803	6.980208	7.03955	7.131887	7.054484	7.116951
GALIG	GALIG	6.949628	7.041705	6.869158	7.205337	6.994315	7.146808	6.992916	6.972677	7.123508	7.082204	6.907952	7.038793
GALK1	GALK1	10.84298	10.81978	10.08496	10.16752	10.29929	10.69029	10.43264	10.3061	10.57794	10.50342	10.35706	10.34485
GALK2	GALK2	7.555137	7.692211	7.16472	7.647384	7.716071	7.791715	7.440384	7.547415	7.510591	7.515041	7.409645	7.398834
GALM	GALM	8.258058	8.294327	8.173631	8.59803	8.703426	8.982063	8.53971	8.609151	8.318986	8.607708	8.507732	8.304554
GALNAC4S	GALNAC4S	8.833475	9.682877	9.307412	9.646801	9.260708	7.662087	7.260695	7.248538	7.922689	7.165135	7.27596	6.896143
GALNACT-	GALNACT-	7.007675	7.127548	6.878133	7.171686	7.107154	7.272968	7.016964	7.241234	7.273108	7.244147	7.111093	7.062
GALNS	GALNS	7.320266	7.581015	7.154168	7.56962	7.405047	7.480616	7.26736	7.325798	7.49965	7.33998	7.284228	7.310676
GALNT1	GALNT1	8.270719	8.802285	8.637739	9.023332	8.653455	8.363438	8.107719	8.166004	8.171156	8.099777	8.087383	8.192167
GALNT10	GALNT10	7.056833	7.329015	7.354954	7.998127	8.270837	7.537533	7.189405	7.368488	7.342986	7.372691	8.001492	7.860094
GALNT11	GALNT11	8.87036	9.21754	8.906681	9.245387	9.076048	9.148807	9.097123	9.322286	9.224244	9.191409	9.188334	9.224246
GALNT12	GALNT12	8.40267	8.041861	7.839864	7.731105	7.854979	7.137485	7.083647	7.261546	7.317516	7.295333	7.664883	7.38847
GALNT13	GALNT13	7.105146	7.22495	7.241311	7.427376	7.377274	7.215442	7.036591	7.151298	7.103301	7.196283	6.800771	6.890822
GALNT14	GALNT14	7.284805	7.627852	7.269316	7.477258	7.320743	7.470966	7.402033	7.363704	7.422531	7.45433	7.112695	7.492873
GALNT17	GALNT17	6.959015	7.270556	6.959208	7.132751	7.143736	7.539164	7.417866	7.575718	7.54738	7.835217	7.363563	7.345243
GALNT2	GALNT2	7.340927	7.489103	7.047664	7.408412	7.34247	7.26436	7.269078	7.25397	7.255378	7.295346	7.319295	7.229139
GALNT3	GALNT3	7.728754	8.473541	7.939024	8.048508	8.085781	8.074369	8.096533	7.685178	8.004211	7.815475	7.445291	7.750426
GALNT4	GALNT4	7.1801	7.56981	7.706843	7.91212	7.405389	7.510408	7.108036	7.228724	7.043469	7.323843	7.284608	7.446092
GALNT5	GALNT5	6.852306	7.104377	6.797287	7.091921	6.982408	7.144687	7.044428	7.19576	7.102673	7.232486	7.39143	7.254858
GALNT6	GALNT6	7.157573	7.462518	7.099484	7.460142	7.205523	7.139828	7.234505	7.228529	7.158835	7.341227	7.086675	7.080307
GALNT7	GALNT7	6.988197	7.228245	6.961902	7.112412	6.970961	7.08832	6.901104	6.832868	6.881569	6.935832	6.801343	6.807624
GALNT8	GALNT8	6.880922	7.14701	6.822714	7.078799	7.036818	7.10313	6.917862	7.019626	6.910919	6.945344	6.766356	6.933053
GALNT9	GALNT9	7.085847	7.147714	6.869407	7.185895	7.001059	7.107058	6.968013	7.068473	7.162084	7.063025	6.897847	6.93094
GALNTL1	GALNTL1	7.84672	7.800693	7.203833	7.588035	7.717234	8.319006	8.302033	8.495379	8.412822	8.551864	7.854307	7.470653

GALNTL2	GALNTL2	6.870383	7.111054	6.819134	7.078312	7.046407	7.072552	6.840852	7.038266	6.926001	6.897878	6.802476	6.902639
GALNTL4	GALNTL4	7.819859	7.597638	7.733747	7.31022	7.809077	8.04716	8.01558	8.397357	8.331539	8.480367	8.092079	7.855458
GALNTL5	GALNTL5	6.876641	7.038075	6.799808	6.889196	6.871083	6.878553	6.815799	6.902512	6.85751	6.844201	6.723351	6.797506
GALP	GALP	6.84392	6.89674	6.738121	6.911563	6.81248	6.882981	6.840411	6.835508	6.877818	6.876289	6.800065	6.889821
GALR1	GALR1	7.093492	7.217385	6.804264	6.969015	6.933504	6.983246	6.819123	6.914639	6.875012	6.894943	6.750257	6.860159
GALR2	GALR2	7.133671	7.240347	7.05889	7.032775	6.911168	7.222534	6.851692	6.935206	6.867648	6.894477	6.797162	6.947291
GALR3	GALR3	6.855564	6.98747	6.789803	6.980247	6.942113	6.938693	6.876866	6.943603	6.852068	6.931574	6.758854	6.814305
GALT	GALT	7.96501	8.287661	7.844507	8.37857	8.60376	8.761025	8.616405	8.639075	8.681364	8.783895	8.205657	8.394465
GAMT	GAMT	8.363053	8.83514	8.413918	9.274313	9.631089	11.04129	10.5472	10.41896	10.16097	10.30727	9.850513	9.623708
GAN	GAN	6.874939	7.245153	6.894809	7.095546	7.027898	6.920555	6.962175	7.024604	6.986256	7.013642	6.869488	6.921021
GANAB	GANAB	7.921146	8.688788	7.71842	8.230183	8.385108	8.45583	7.880548	7.802266	7.925037	7.966782	8.537208	8.130036
GANC	GANC	6.939892	6.943197	6.750232	6.994293	6.843497	6.980825	6.840713	6.839341	6.823183	6.819495	6.776713	6.871234
GAP43	GAP43	8.018799	9.213874	7.739736	7.782546	8.07123	7.942746	7.478788	7.312461	8.5387	7.356053	7.857291	7.191087
GAPDH	GAPDH	13.68492	14.00198	13.20337	13.22841	13.23348	13.53933	13.19952	13.41562	13.2344	13.44936	13.61458	13.64013
GAPDHS	GAPDHS	6.880458	7.058646	6.795274	7.018916	6.902727	6.953811	6.778342	6.85223	6.850194	6.942415	6.760662	6.784324
GAPVD1	GAPVD1	9.342142	9.599695	8.99506	9.618062	9.932738	10.54632	10.23105	10.18709	10.04238	10.08353	9.79437	9.874338
GARNL1	GARNL1	8.516806	8.940864	8.523952	8.983613	9.184498	9.547364	9.216463	9.093253	9.104582	9.011538	8.573344	8.74111
GARNL3	GARNL3	7.105506	7.101115	7.049042	7.435635	8.513715	8.62239	8.592909	8.547675	8.587567	8.232855	7.533768	7.90998
GARNL4	GARNL4	8.713112	8.907814	7.606243	7.478806	7.189411	7.732495	7.80182	8.252988	8.010061	8.485547	8.19564	8.311088
GARS	GARS	12.14121	12.85201	11.76034	11.92689	11.42835	11.45411	11.1302	11.40219	11.45309	11.38975	11.86172	11.72485
GART	GART	10.12343	10.46693	9.581306	9.448294	8.939331	9.235433	8.798607	8.867233	8.710408	8.709871	8.79974	8.569086
GAS1	GAS1	8.128033	8.149759	8.521063	9.689263	10.83668	8.436953	8.246367	8.725713	9.658727	8.787358	8.449849	8.172337
GAS2	GAS2	6.970882	7.023483	6.836806	7.02811	7.019237	7.087316	7.218097	7.211411	7.717153	7.582528	7.046874	7.156031
GAS2L1	GAS2L1	6.926811	7.171989	7.040548	7.220816	7.09965	7.161449	7.075078	7.072315	6.980928	7.088442	7.050826	7.011001
GAS2L2	GAS2L2	7.095261	7.268949	6.920764	7.132855	7.095402	7.148143	7.0426	7.029759	6.947866	7.081866	6.934582	6.912884
GAS2L3	GAS2L3	8.461895	8.211014	7.929685	8.133497	8.033386	8.5984	8.179134	7.974712	8.275523	8.043094	7.174679	7.614009
GAS5	GAS5	7.113061	7.229357	6.903885	7.097071	7.001921	7.039195	7.00074	6.958699	7.027728	6.874358	6.870224	6.904573
GAS6	GAS6	8.220707	7.960063	7.944667	8.194251	8.947603	10.58886	9.991704	10.21441	9.829868	10.46976	10.62371	10.7096
GAS7	GAS7	7.058476	7.385615	7.374248	7.533862	7.758264	7.303658	7.221776	7.305042	7.258619	7.17559	7.110729	7.011807
GAS8	GAS8	7.820161	8.351699	7.350418	7.257279	7.08477	7.266478	7.268702	7.298512	7.337078	7.294535	7.119878	7.17443
GAST	GAST	7.420302	7.901538	7.261553	7.35116	7.197189	7.291558	7.154374	7.04772	7.105191	7.263456	7.008233	6.904987
GATA1	GATA1	6.950144	7.053104	6.759358	6.939296	6.940752	6.874962	6.765286	6.962057	6.907752	6.871793	6.870118	6.830403
GATA2	GATA2	6.874503	7.29236	7.193617	7.874524	7.315156	7.519585	7.429869	7.38375	7.241333	7.407789	7.477948	7.035181
GATA3	GATA3	6.838758	7.017508	7.523444	7.943907	7.230799	7.401492	6.951618	6.927554	6.905756	7.005644	6.887712	6.951482
GATA4	GATA4	6.894092	7.122677	7.85665	8.90447	8.792976	9.936123	9.524576	9.406843	9.205913	9.367266	8.703498	9.09573
GATA5	GATA5	6.884858	7.343135	8.059602	9.636914	10.16506	9.768972	9.639824	9.675668	9.115797	8.905784	8.98236	8.442242

GATA6	GATA6	6.821811	7.061616	7.236466	7.580762	7.460406	7.411502	7.202024	7.258894	7.230892	7.261921	6.987545	6.944201
GATAD1	GATAD1	8.152951	8.267243	8.076521	8.146207	8.01145	8.269792	8.096197	8.014048	8.047249	7.957564	7.597809	7.760598
GATAD2A	GATAD2A	11.34462	11.70663	10.75642	10.76056	10.28346	9.861514	9.195647	9.275252	9.363745	9.113315	9.536807	9.233638
GATAD2B	GATAD2B	8.168709	8.305932	7.986484	8.471059	8.44635	8.803727	8.542836	8.542381	8.556574	8.526775	8.375397	8.266137
GATM	GATM	8.034863	7.692835	7.581822	8.364597	8.972945	9.794812	9.307995	9.372646	9.023968	8.798487	8.514037	7.6765
GATS	GATS	8.437404	8.802272	10.01639	9.700513	9.417983	9.160624	8.874254	8.456614	8.496246	7.890549	7.041806	7.490355
GBA	GBA	7.703513	8.086833	8.11671	8.352162	8.239591	8.468436	8.221958	8.424382	8.177864	8.28654	8.417284	8.47609
GBA2	GBA2	8.634496	8.62304	8.267132	8.790241	8.662246	9.598242	9.256892	9.318788	9.085956	9.42477	8.927737	8.735799
GBA3	GBA3	6.746981	6.961184	6.778889	7.039413	6.903254	6.91892	6.767051	6.889382	6.810168	6.833654	6.717245	6.755744
GBAP	GBAP	7.064889	7.330397	6.891761	7.133211	7.220387	7.138349	7.042238	7.038895	7.067101	7.197034	7.065901	7.022149
GBAS	GBAS	9.078979	8.9413	8.917348	9.333259	9.999391	11.15437	11.09054	11.11178	11.02539	11.24848	10.94721	10.75487
GBE1	GBE1	8.097303	8.541662	8.147928	9.147175	9.542154	10.74694	10.32284	10.59317	10.08215	10.56227	10.9322	11.22
GBF1	GBF1	7.66291	8.062497	7.572133	8.297337	8.298159	8.580197	8.173959	8.446129	8.239537	8.263254	8.53012	8.177517
GBGT1	GBGT1	7.293767	7.477481	7.193073	7.492604	7.298952	7.082437	6.956883	7.168694	7.130515	7.018894	6.907359	6.850714
GBL	GBL	8.854301	9.268819	8.723575	8.720954	8.640541	8.9293	8.731872	8.69902	8.545859	8.749256	8.620364	8.652277
GBP1	GBP1	6.834915	7.050723	6.799593	7.047273	6.993219	7.200337	7.136731	7.373769	7.509955	7.530305	7.605805	7.489996
GBP2	GBP2	7.002291	7.380326	7.001727	7.612775	7.694405	9.646614	10.09008	9.740123	9.885883	8.87521	8.892516	8.987791
GBP3	GBP3	7.320862	7.602721	7.245331	7.532375	7.563806	8.594746	8.544742	8.439277	8.35509	8.511397	7.875665	8.077733
GBP4	GBP4	6.837029	7.153222	6.812606	8.172461	8.039153	7.996044	7.741673	7.725618	7.385976	7.128539	6.930633	6.981448
GBP5	GBP5	6.981171	7.097291	6.838773	7.159215	7.016476	7.136978	7.017965	6.947094	6.961304	7.01361	6.82829	6.855754
GBP6	GBP6	6.875595	7.036667	6.858544	6.969268	6.938988	7.064418	6.954364	7.041773	6.950342	6.931947	6.874685	6.916038
GBP7	GBP7	6.799295	7.073895	6.871414	6.96733	6.96242	7.012969	6.891151	6.936008	6.947314	6.988922	6.844446	6.817529
GBX2	GBX2	7.094063	7.28954	7.245273	7.31467	7.205118	7.250691	7.163461	7.017534	7.128664	7.197842	6.966026	7.049705
GC	GC	7.083981	7.306171	6.813686	7.126364	6.94793	6.855102	6.887187	7.020648	7.026636	6.885542	6.780806	6.903888
GCA	GCA	10.48894	10.26131	9.46087	9.517538	10.71054	10.32412	9.790033	9.90236	9.715696	9.503847	9.134889	8.769997
GCAT	GCAT	9.239865	9.183358	8.546162	9.09393	9.0667	9.22633	9.392936	9.617931	9.487616	9.973444	9.923235	10.0666
GCC1	GCC1	9.014672	9.431163	8.863177	9.1327	9.017882	9.298031	8.787055	8.449942	8.831846	8.50268	8.354755	8.953736
GCC2	GCC2	7.007228	7.281122	7.014374	7.247252	7.14711	7.148187	6.958684	7.102186	6.925704	7.076489	6.914756	6.959238
GCDH	GCDH	8.948155	9.126646	8.27827	8.421978	8.091677	8.145611	7.990849	8.001156	8.081706	8.27201	7.970498	8.021829
GCET2	GCET2	6.927899	7.086584	6.821227	7.10644	6.919509	7.004624	6.869887	6.902929	6.920847	6.962528	6.807759	6.809166
GCG	GCG	6.897384	7.184521	6.939461	7.055866	7.40102	7.001801	7.087476	7.113731	7.043357	7.115046	6.849886	6.913099
GCGR	GCGR	7.221227	7.263494	7.251864	8.053222	7.997303	6.95575	6.846126	6.997893	6.923468	6.830693	6.736016	6.944578
GCH1	GCH1	7.210955	7.435825	7.384822	7.394086	7.041435	7.221859	6.912298	7.025513	6.973998	7.058534	6.949925	6.93102
GCHFR	GCHFR	9.528662	9.327395	8.957464	9.035457	9.119124	9.411651	8.849696	8.787126	8.819898	8.889549	8.644582	9.02622
GCK	GCK	6.898973	7.039569	6.816896	7.019937	6.946361	7.154664	6.924401	6.9921	6.932913	6.970147	6.835433	6.886119
GCKR	GCKR	6.827483	7.112217	6.781394	7.009932	6.85407	6.985514	6.922722	6.858243	6.857134	6.851573	6.79026	6.770465

GCLC	GCLC	8.224495	8.772567	8.288811	8.19662	7.860229	8.270542	7.956906	7.794586	7.790897	7.713122	7.407817	7.804217
GCLM	GCLM	7.922469	8.318524	7.474207	7.596852	7.587624	7.81764	7.517382	7.69176	7.630406	7.765984	8.102226	8.016162
GCM1	GCM1	6.951785	7.020249	6.970988	7.006172	6.918494	7.13022	7.084973	6.95093	7.029366	7.042446	6.93437	6.863988
GCM2	GCM2	6.907112	6.988732	6.647116	7.02974	6.900661	6.958595	6.826984	6.90386	6.942146	6.963161	6.682233	6.846748
GCN1L1	GCN1L1	10.6532	11.19753	9.914654	10.24631	9.98919	9.909418	9.744505	9.423413	9.677535	9.49372	9.045132	9.452722
GCN5L2	GCN5L2	10.30236	10.57864	9.895839	10.02222	10.06579	10.3611	9.961969	9.663143	9.8917	9.607014	8.748077	9.082931
GCNT1	GCNT1	7.558079	8.552172	8.478764	8.137132	8.798302	7.553763	7.5099	7.628077	7.640842	7.692801	7.454313	7.278001
GCNT2	GCNT2	8.293394	8.347555	7.764762	8.390787	8.349196	8.761391	8.125651	8.006485	7.669945	7.945301	7.324659	7.57889
GCNT3	GCNT3	6.864605	6.969572	6.992535	7.24986	6.927992	6.902995	6.773204	6.941398	6.962327	6.844022	6.797411	6.874279
GCOM1	GCOM1	6.847467	7.106321	6.86608	7.22515	7.260507	8.093533	8.116515	8.501994	8.183785	8.683981	8.41218	8.466571
GCS1	GCS1	8.03744	8.148985	7.615702	7.851953	7.848602	7.659152	7.945511	7.902083	7.838047	7.764962	7.789898	7.744714
GCSH	GCSH	8.148195	8.484323	7.896639	7.825166	7.660238	7.647158	7.38648	7.354903	7.425281	7.36272	7.391667	7.151168
GDA	GDA	6.942011	6.981287	6.75079	7.111336	6.972143	7.098149	6.944483	6.940886	6.94914	6.839398	6.739979	6.899567
GDAP1	GDAP1	7.559123	7.972933	7.117426	7.178729	7.215439	7.31531	7.121682	7.201488	7.153349	7.126523	6.934553	7.022686
GDAP1L1	GDAP1L1	7.093421	7.276192	6.89004	7.174432	7.099439	7.091388	6.940279	7.104692	7.247415	7.056899	6.996086	7.003923
GDAP2	GDAP2	7.67543	8.19521	7.698483	7.706296	7.520617	7.704658	7.372428	7.487429	7.368631	7.367672	7.451911	7.422545
GDDR	GDDR	6.910151	6.988405	6.842854	6.970261	7.003366	6.975519	6.966583	7.017968	6.981466	6.865272	6.838074	6.774858
GDF1	GDF1	6.892938	6.968394	6.801141	7.133259	6.890115	7.069242	6.900881	6.937592	6.861434	6.814831	6.687323	6.856767
GDF10	GDF10	6.844296	7.099725	6.979312	7.041532	7.492707	8.046142	7.532948	7.390153	8.025338	7.306566	6.813445	6.782529
GDF11	GDF11	7.188584	7.344149	7.124114	7.267357	7.308174	7.494199	7.26696	7.198619	7.265483	7.145262	7.077785	7.137228
GDF15	GDF15	7.2587	7.772945	7.261649	7.632352	7.510112	7.889957	7.199364	7.299042	7.450052	7.531284	7.552776	8.329815
GDF2	GDF2	6.776345	6.958374	6.719331	6.88776	6.768018	7.17456	7.597412	7.517389	7.615399	7.588852	7.422131	7.118816
GDF3	GDF3	8.122826	8.613276	8.715781	7.141611	6.981343	7.010151	6.971467	7.024453	6.914396	6.940449	6.752516	6.947492
GDF5	GDF5	6.874933	7.001446	6.843967	6.934259	7.024541	7.000751	6.923943	7.022176	6.914185	6.924279	6.88361	6.925275
GDF6	GDF6	6.913234	7.044714	6.857213	7.141264	7.044391	6.918271	6.978799	6.920708	6.967397	7.030196	6.91943	6.94806
GDF7	GDF7	6.914258	7.193179	6.927228	7.136786	7.025636	6.952152	6.775179	7.063684	6.832749	7.06551	6.865655	6.853172
GDF8	GDF8	6.89443	7.028895	6.818092	6.96275	6.94708	6.891729	6.859606	6.915523	7.078322	7.112444	6.82761	6.894849
GDF9	GDF9	6.89332	7.078705	6.844457	7.044868	6.984042	6.880749	6.806236	6.960982	6.971398	6.933724	6.806048	6.982191
GDI1	GDI1	8.584386	8.903291	8.520101	9.178874	9.09507	9.306524	9.024714	9.230157	9.345751	9.498026	9.758048	9.28525
GDI2	GDI2	11.7985	12.29373	11.71944	12.01747	11.56393	11.83267	11.37403	11.27888	11.38806	11.22773	11.07929	10.99429
GDNF	GDNF	6.912557	7.046778	6.918674	7.061121	7.039878	7.103189	6.909036	6.955747	6.954721	6.993112	6.822919	6.822544
GDPD1	GDPD1	7.595429	7.873987	7.49917	7.91303	7.94455	8.092519	7.94545	7.687174	7.81107	7.809488	7.391534	7.563691
GDPD2	GDPD2	7.765059	8.033952	7.044531	7.190911	7.005339	7.061462	6.932395	7.069155	6.980222	7.161947	6.831419	6.892415
GDPD3	GDPD3	6.895385	7.072865	6.934517	7.13049	7.092317	7.081673	6.948016	6.920945	7.060991	6.938449	6.73676	6.883885
GDPD4	GDPD4	6.989924	7.122336	6.930886	7.050725	7.0184	7.048857	7.104458	7.045476	7.056485	7.028348	6.846877	6.944835
GDPD5	GDPD5	7.171372	8.167589	7.541028	7.808133	7.955853	7.206174	7.180358	7.293317	7.295469	7.099244	7.248376	7.08687

GEFT	GEFT	6.943138	7.055722	6.811052	7.128297	7.004828	7.049184	6.938899	6.948617	6.970177	6.991379	6.859411	6.923539
GEM	GEM	7.130334	7.372722	6.963515	7.11164	7.333121	7.981177	8.321252	8.882301	8.82893	8.904714	9.09584	8.513243
GEMIN4	GEMIN4	11.20466	11.28292	10.62793	10.53896	10.23818	9.981197	9.393084	9.294642	9.243154	9.192244	9.134839	8.948382
GEMIN5	GEMIN5	8.383988	8.70676	7.90528	8.040454	7.806342	7.894858	7.51456	7.660588	7.623366	7.60061	7.721455	7.556583
GEMIN6	GEMIN6	9.637118	10.23156	9.366254	9.247234	9.331957	9.594621	9.365933	9.245816	9.377032	9.352134	9.18598	8.610213
GEMIN7	GEMIN7	6.870605	7.149295	6.810852	7.008163	6.941343	6.978911	6.925804	7.01591	6.911684	6.994151	6.759924	6.880033
GEMIN8	GEMIN8	8.025079	7.925725	7.620263	7.735787	7.675643	7.766251	7.756018	7.675582	7.752332	7.790104	7.477792	7.566573
GENX-341	GENX-341	7.204409	7.434676	7.143257	7.374337	7.608727	9.159697	8.787593	9.111384	8.737719	9.236161	9.372441	8.952203
GFAP	GFAP	6.948394	7.165257	6.823754	7.041524	6.897526	7.012176	6.897261	6.937296	7.10836	6.980149	6.739512	6.956956
GFER	GFER	6.7968	7.247632	6.812111	7.055833	6.994854	7.138191	7.084251	6.923133	6.935703	7.039782	6.806355	6.833623
GFI1	GFI1	6.829548	7.071933	6.964276	7.070872	6.903304	6.997251	6.92233	7.001206	6.953668	7.003649	6.765088	6.899121
GFI1B	GFI1B	6.914513	7.114085	6.770617	7.039497	6.950312	6.85532	6.985116	6.980955	6.879289	6.940265	6.852902	6.931094
GFM1	GFM1	10.48422	10.80915	10.16018	10.42566	10.51238	11.55276	10.97286	11.03607	10.97746	10.91021	10.51756	10.64193
GFM2	GFM2	7.758225	7.923089	7.798789	7.97233	7.819721	8.904462	8.258634	8.552811	8.294732	8.464084	8.424495	8.265667
GFOD1	GFOD1	8.583803	8.417152	8.306666	8.809103	8.895123	10.8368	10.56206	10.58194	10.13303	10.71201	10.20691	9.91099
GFPT1	GFPT1	9.625849	9.985847	9.490576	9.7165	9.744082	9.987537	9.554881	9.656086	9.879364	9.795493	9.97909	10.10113
GFPT2	GFPT2	10.00715	9.545239	9.042982	9.427418	9.317559	10.20421	9.109743	9.533431	9.166907	8.77615	9.680291	8.790329
GFRA1	GFRA1	6.927988	7.214061	6.898426	7.070584	7.040071	7.151294	6.9205	7.039432	7.162447	7.006026	6.825757	6.851282
GFRA2	GFRA2	7.744435	7.978535	8.087999	8.74622	8.134224	7.881036	7.588989	7.659993	8.166464	7.636875	7.442074	7.45651
GFRA3	GFRA3	7.204113	7.337058	6.889604	7.246222	7.262444	7.024424	7.053239	7.182724	7.146223	7.106983	6.867701	6.8664
GFRA4	GFRA4	6.890855	7.259232	6.947402	6.993656	7.013489	7.11596	6.898101	6.995531	7.037025	6.989082	6.908117	6.958199
GGA1	GGA1	11.5368	12.1826	11.62441	11.95823	12.01476	11.94517	12.10579	11.96441	11.9609	11.97404	11.81044	11.91661
GGA2	GGA2	10.23121	10.07092	9.528152	10.00567	9.872109	9.984855	9.765707	9.644586	9.398374	9.409595	8.558795	8.707617
GGA3	GGA3	7.902519	8.135033	7.664617	7.858761	7.752642	7.828789	7.667838	7.682554	7.72657	7.676538	7.510205	7.657648
GGCX	GGCX	7.893927	8.379235	8.332199	8.15725	8.182853	8.11836	7.697564	7.878411	7.795189	7.695015	7.809055	7.440118
GGH	GGH	9.285375	9.456355	9.72815	10.12153	9.91502	9.525332	9.329173	9.0999	9.315298	9.078896	8.814944	8.082942
GGN	GGN	6.834106	7.122302	6.761937	6.940406	6.913839	7.054914	6.900872	6.971819	6.861903	6.926386	6.818777	6.717291
GGPS1	GGPS1	9.201891	9.366867	9.247992	9.193874	9.134992	9.864068	9.437903	9.610723	9.61511	9.617485	9.388126	9.065417
GGT1	GGT1	6.900107	7.125722	6.951802	7.299494	7.137908	7.081306	6.933688	7.082567	6.95538	6.934538	6.811478	6.896387
GGT2	GGT2	7.019395	7.263114	7.033869	7.366094	7.263098	7.086833	6.947573	7.098145	7.031644	7.051895	6.93398	6.929304
GGT3	GGT3	6.990066	7.229232	6.788749	7.182129	7.086221	7.18759	7.024098	7.117894	6.953201	6.889485	6.86769	7.035977
GGT6	GGT6	6.800364	7.102312	6.86858	7.170956	6.947652	7.016023	6.856778	6.921925	6.873153	6.922941	6.769177	6.953605
GGTA1	GGTA1	6.857286	7.08375	6.805717	6.9738	6.897735	6.963675	6.890169	7.014518	6.898797	7.01622	6.712698	6.823808
GGTL3	GGTL3	7.249394	7.341029	7.151804	7.464889	7.451312	7.819038	7.522543	7.522923	7.513979	7.507994	7.057897	7.220028
GGTL4	GGTL4	6.94626	6.99564	6.79882	7.160574	7.017059	6.940296	6.945074	6.884109	6.816527	6.914131	6.698884	6.819213
GGTLA1	GGTLA1	6.929547	7.119128	6.862283	7.046814	6.952391	7.075993	6.934976	6.961201	6.948018	6.942621	6.862356	6.786586

GGTLA4	GGTLA4	7.012285	7.216451	6.958053	7.169332	7.06107	7.139944	6.973459	7.12655	7.017476	7.046482	6.861848	6.883413
GH1	GH1	6.980229	7.21406	6.793753	6.912728	6.857558	6.928418	6.819195	6.946664	6.79161	6.816981	6.784288	6.77494
GH2	GH2	6.931164	7.086776	6.783668	7.008812	6.892785	6.8607	6.791037	6.910651	6.881256	6.875934	6.815992	6.880595
GHITM	GHITM	12.28436	12.87264	12.32015	12.75823	13.05688	14.09459	13.46128	13.65691	13.59032	13.54267	13.4197	13.58512
GHR	GHR	7.041485	7.64248	7.575887	9.020496	9.486181	10.07924	10.11225	9.97886	10.17408	9.839748	8.860955	9.279422
GHRH	GHRH	6.874133	7.04799	6.778121	6.970747	6.932745	7.016341	7.017286	6.943628	6.887352	6.856243	6.649585	6.763667
GHRHR	GHRHR	6.840229	7.037491	6.883819	6.953744	6.920024	6.978023	6.848643	6.976065	6.91905	6.959339	6.782715	6.86007
GHRL	GHRL	6.879804	6.991591	6.813118	7.031061	7.005184	6.881556	6.790352	6.864933	6.972103	6.925226	6.69207	6.88878
GHSR	GHSR	6.961945	7.024232	6.818529	7.097574	6.939634	7.000315	6.924681	6.88757	6.90159	6.946464	6.813527	6.783091
GIF	GIF	6.894123	7.056329	6.759373	6.933697	7.169698	6.984181	6.796479	6.889013	6.815711	6.830291	6.745513	6.8086
GIMAP1	GIMAP1	6.773333	7.13222	6.756948	7.073857	6.964353	6.937494	6.749429	6.875362	6.84201	6.795409	6.797215	6.833698
GIMAP2	GIMAP2	6.829957	7.053421	6.815343	7.010755	7.012901	6.936585	6.879255	6.936367	6.91407	6.915024	6.814345	6.857212
GIMAP4	GIMAP4	6.915558	7.142698	6.69117	7.170472	7.538006	6.911399	6.924745	6.964036	6.874163	6.982531	6.711249	6.730386
GIMAP5	GIMAP5	6.940418	7.134622	6.856387	7.18691	7.046008	6.956478	7.010857	6.982055	7.049196	7.159415	6.840133	7.028885
GIMAP6	GIMAP6	7.044863	7.14754	6.912283	7.092798	7.093492	7.125314	6.94666	6.953891	7.026773	7.171519	6.819921	6.903226
GIMAP7	GIMAP7	6.935757	7.069739	6.841652	7.000161	6.931388	7.005195	6.95364	6.890554	7.004873	7.003799	6.82098	6.919045
GIMAP8	GIMAP8	7.019016	7.188895	6.925425	7.240168	7.126934	7.193802	7.071436	7.023472	6.930998	7.212707	6.972019	7.000094
GIOT-1	GIOT-1	6.878826	7.062856	6.837747	6.993034	6.964165	6.94744	6.875515	6.841386	6.891702	6.927607	6.753205	6.836654
GIP	GIP	6.986435	7.194162	7.013565	7.17519	6.916645	6.928281	7.030833	6.928179	6.965953	6.989502	6.834291	6.89252
GIPC1	GIPC1	9.03971	9.253171	8.867946	9.403999	9.523529	10.04718	9.766144	10.01685	9.728351	9.765827	10.33507	9.51888
GIPC2	GIPC2	6.888446	7.10699	6.831027	7.003519	6.928992	6.964041	6.816301	6.952059	6.945746	6.954891	6.764597	6.81641
GIPC3	GIPC3	6.776281	6.961356	6.724803	6.895955	6.803908	6.803701	6.782997	6.797898	6.721853	6.859235	6.624336	6.779099
GIPR	GIPR	6.820213	7.010078	6.843665	6.950839	6.959262	6.962678	6.842846	6.917445	6.896659	6.940435	6.805818	6.961042
GIT1	GIT1	7.618476	7.72785	7.249577	7.537547	7.424164	7.536935	7.399616	7.380457	7.430883	7.311736	7.577818	7.348813
GIT2	GIT2	7.263262	7.344865	7.137764	7.322036	7.237807	7.584267	7.263539	7.520092	7.394062	7.464047	7.455313	7.463721
GIYD1	GIYD1	7.748005	7.962963	7.526398	7.718266	7.497132	7.855182	7.480235	7.679657	7.463568	7.684156	7.445276	7.239004
GIYD2	GIYD2	7.648034	7.778294	7.421142	7.390926	7.3124	7.527988	7.342967	7.311748	7.310756	7.363447	7.203653	7.065464
GJA1	GJA1	13.12213	13.77558	13.6389	12.59736	11.84141	10.15635	10.40856	10.78899	11.0101	10.39264	11.47413	11.18085
GJA10	GJA10	6.816123	7.009996	6.745385	6.98026	6.883931	7.020129	6.939895	6.998579	6.919265	6.958789	6.782268	6.816604
GJA12	GJA12	6.983073	7.361141	6.886779	7.414498	7.447762	7.643765	7.198627	7.219639	7.2993	7.298479	7.171239	7.120393
GJA3	GJA3	6.955672	6.988589	6.896083	7.007802	6.907101	6.869633	6.944	7.100126	6.832503	6.881103	6.818783	6.828674
GJA4	GJA4	7.077396	7.107037	7.527121	7.773718	7.599183	6.938479	6.797154	6.864498	6.939757	6.853566	6.898659	6.817897
GJA5	GJA5	7.068983	7.3201	6.942231	7.220995	7.421205	8.704187	7.812914	7.418752	7.173574	7.296587	7.151371	7.143086
GJA7	GJA7	12.23639	13.01276	12.45934	12.98372	12.93197	12.75465	12.98932	12.45518	12.75379	12.46663	11.88434	12.49743
GJA8	GJA8	6.961088	7.022634	6.85001	6.964461	6.951092	7.123734	6.860938	6.96536	6.921212	7.026582	6.801965	6.825067
GJB1	GJB1	6.85234	7.31454	6.869028	7.132593	7.048579	6.975657	6.971205	6.932068	6.882854	7.028225	6.820542	6.91637

GJB2	GJB2	6.991599	8.781653	7.149985	7.136109	7.723563	7.383845	7.072793	7.141475	7.77445	7.309159	7.305904	8.060525
GJB3	GJB3	6.877672	7.075135	6.873809	7.081841	7.028869	7.069519	6.909788	6.957153	6.947715	7.017448	6.828809	6.935388
GJB4	GJB4	6.879909	7.18496	6.803096	7.049387	7.009008	7.085797	6.865149	6.986826	7.036803	6.833062	6.796145	6.901053
GJB5	GJB5	6.865963	7.055993	6.80231	6.977086	6.833987	7.009067	6.825862	6.885629	7.026303	6.844619	6.873837	6.704294
GJB6	GJB6	6.810298	7.26667	6.738579	6.930338	6.943927	6.88934	6.795162	6.869644	7.299429	6.919143	6.697532	6.79712
GJB7	GJB7	7.024213	7.231715	6.743713	6.929848	6.886871	6.802906	6.811815	7.002804	6.87587	6.925133	6.841499	6.912411
GJC1	GJC1	7.426806	7.594166	7.240223	7.357572	7.43293	7.997099	7.901865	7.73319	7.610905	7.853446	7.570311	7.71152
GJE1	GJE1	7.083353	7.405554	7.023306	7.114163	6.96879	7.013919	6.915205	6.964265	6.85807	7.069118	6.856765	6.927351
GK	GK	7.483113	7.715638	7.159994	7.287029	7.276772	7.466213	7.310616	7.486669	7.381003	7.437596	7.631214	7.454926
GK2	GK2	8.18719	8.508616	8.193188	8.263527	8.11115	8.560566	8.309878	8.417775	8.391407	8.375872	8.162033	8.193234
GKAP1	GKAP1	7.390685	7.371408	7.070123	7.442456	7.516744	7.913792	7.871703	7.649942	7.953857	7.835883	7.562855	7.895947
GKN1	GKN1	6.811405	7.071185	6.796665	6.99367	6.967698	6.954647	6.87223	6.91172	6.936011	6.872822	6.743439	6.773719
GLA	GLA	10.96589	11.43627	10.59963	10.73738	9.983672	10.30259	9.612762	9.649389	9.69808	9.356944	9.357422	8.975662
GLB1	GLB1	9.825057	10.13309	9.828021	10.17007	10.23654	9.893272	9.707571	9.927106	9.762222	9.629749	9.86542	9.714153
GLB1L	GLB1L	7.182466	7.445205	7.090365	7.359711	7.272709	7.41578	7.23275	7.34137	7.264602	7.253653	7.16616	7.083757
GLCCI1	GLCCI1	7.531508	7.891857	7.51099	7.917574	7.546561	7.604256	7.63034	7.586577	7.419939	7.609113	7.284585	7.192336
GLCE	GLCE	8.440284	8.619037	7.861901	9.345777	9.203743	8.903588	8.605278	8.576004	8.458254	8.169993	8.275898	8.342008
GLDC	GLDC	11.94267	11.84042	10.60189	9.727274	9.232153	9.517328	7.590341	7.356196	7.318039	6.994639	6.965351	6.88893
GLDN	GLDN	7.059562	6.980499	6.722269	7.019719	6.89542	6.821373	6.850781	6.829316	6.744473	6.788663	6.698525	6.714175
GLE1L	GLE1L	8.854484	9.112207	8.73372	9.22942	9.12074	9.795881	9.170103	9.137932	9.231375	9.106914	8.706969	9.085301
GLG1	GLG1	11.68779	12.04123	11.3846	11.81272	11.7044	11.03317	11.08414	10.86058	11.2505	10.84574	11.0261	11.3212
GLI1	GLI1	7.883877	8.204263	7.404088	7.982031	7.707231	7.483649	7.422931	7.435034	7.479122	7.276845	7.316095	7.30714
GLI2	GLI2	8.705782	9.062916	7.970645	8.669696	8.353929	7.961875	7.491524	7.703703	7.735675	7.384502	7.782361	7.637387
GLI3	GLI3	7.813158	7.849654	7.50334	8.75299	8.367	7.671056	7.529762	7.523006	7.48605	7.216827	7.211758	7.115395
GLI4	GLI4	7.05234	7.167147	6.964874	7.223642	7.226444	7.584963	7.07049	7.214948	7.196007	7.300057	7.09425	7.133806
GLIPR1	GLIPR1	6.882003	7.704812	7.251814	7.269113	7.350495	7.578101	8.335389	8.625308	8.734508	8.786178	10.17995	9.07065
GLIS1	GLIS1	6.850726	7.108318	6.87155	7.002133	6.924884	7.029335	6.994397	7.073146	6.966788	6.965309	6.814805	6.841137
GLIS2	GLIS2	6.859581	6.949047	6.842653	6.968576	6.963903	6.890113	6.925391	7.0202	7.014544	7.05353	6.896755	6.864123
GLIS3	GLIS3	6.853457	7.069539	6.862403	7.119486	7.121232	7.252712	7.01624	7.195811	7.324825	7.108154	7.156055	7.095025
GLMN	GLMN	9.423589	9.764418	9.358788	9.244863	9.066276	9.179817	8.841805	8.711247	8.691107	8.571436	8.372929	8.286058
GLO1	GLO1	12.94521	12.75084	12.7682	12.72721	12.40948	12.91545	12.59328	12.8704	12.74025	12.83431	12.65973	12.38529
GLOXD1	GLOXD1	8.560452	8.511937	7.97658	7.497085	7.313539	7.224762	7.001694	6.947517	6.906149	6.890189	6.688677	6.838936
GLP1R	GLP1R	6.988342	7.15197	6.885595	7.002682	6.957943	6.995545	6.870385	6.90196	7.012992	6.937446	6.787132	6.772949
GLP2R	GLP2R	6.893605	6.919989	6.751213	6.925632	6.849318	6.841919	6.774221	6.899852	6.81922	7.010233	6.769807	6.823491
GLRA1	GLRA1	6.927656	7.091832	6.864517	7.124863	7.031011	7.143843	6.827674	6.999136	7.027703	6.942837	6.825462	6.899507
GLRA2	GLRA2	6.830321	7.099972	6.804734	6.977108	6.920723	6.922179	6.802109	6.926778	8.036439	6.969653	6.739782	6.762981

GLRA3	GLRA3	6.917187	7.000579	6.798211	7.00779	6.93774	6.885181	6.889947	6.933808	6.909501	6.840669	6.719516	6.86131
GLRB	GLRB	7.137629	7.094217	6.824866	7.207746	7.122816	7.64109	7.638971	8.326784	8.420041	8.833918	8.968366	8.971397
GLRX	GLRX	8.922701	8.753739	9.005682	9.6457	9.336606	11.00468	10.24178	10.00354	10.337	10.62636	10.32234	10.04384
GLRX2	GLRX2	7.48264	7.97428	7.651496	7.942389	7.758614	8.467017	8.196679	8.201465	8.357115	8.569449	8.705889	8.397199
GLRX5	GLRX5	13.05822	13.17404	12.53075	12.72319	12.8535	13.11635	12.76039	12.72443	12.75891	12.79593	12.64569	12.47794
GLS	GLS	7.560746	7.831816	7.260681	8.454178	9.337403	10.59837	10.01392	9.583556	9.393168	9.243571	9.049319	9.367476
GLS2	GLS2	7.914635	7.627024	6.858928	7.05682	6.919509	7.069591	6.850447	6.977472	6.840549	6.892973	6.811538	6.924763
GLT1D1	GLT1D1	6.802816	7.17712	6.863973	7.226629	6.952295	7.090556	6.926926	6.989334	6.963916	7.036559	6.78881	6.924561
GLT25D1	GLT25D1	9.685825	9.550763	9.84533	10.22154	9.988004	9.439341	9.506285	9.864138	9.589437	9.583524	10.21448	9.590503
GLT25D2	GLT25D2	7.467758	7.450445	7.383262	8.18243	8.208532	8.387783	8.002848	7.864543	7.642186	7.396616	7.041122	7.373812
GLT6D1	GLT6D1	6.911188	7.191546	6.843944	6.977696	6.894525	6.973248	6.858336	6.987038	6.867681	6.905023	6.808525	6.879997
GLT8D1	GLT8D1	7.528868	7.675446	7.355136	7.856184	7.796416	7.852872	7.769866	7.717282	7.839106	7.806485	7.688658	7.853395
GLT8D2	GLT8D2	8.266577	8.262314	7.207368	8.177652	8.660362	7.891864	7.553596	8.015901	8.385107	7.956061	8.77761	8.647427
GLTP	GLTP	11.03835	11.38996	10.9833	10.88411	10.99829	11.33068	11.03463	11.09506	11.18819	11.14283	11.41583	11.06025
GLTSCR1	GLTSCR1	9.287177	9.389869	8.760799	9.369788	8.924667	8.488798	8.137909	8.288567	8.260395	8.217985	7.860595	7.888492
GLTSCR2	GLTSCR2	13.12472	13.41683	12.58482	12.76718	13.03026	12.48161	12.36405	12.48472	12.6476	12.59951	12.19674	11.78803
GLUD1	GLUD1	11.15926	11.50148	11.14144	11.33734	11.00971	11.63827	11.05676	11.04064	10.94027	11.01263	10.98528	10.99413
GLUD2	GLUD2	7.606227	7.919775	7.465491	7.677713	7.578871	7.677643	7.556185	7.412138	7.655396	7.6288	7.387296	7.651353
GLUL	GLUL	6.95653	7.220651	6.917941	7.090222	6.95948	7.093957	6.922639	7.026608	6.921574	7.010096	6.901965	6.874318
GLULD1	GLULD1	6.905643	7.053543	6.776297	6.97983	6.895836	6.953033	6.889087	6.883306	6.912245	6.923075	6.779044	6.838962
GLYAT	GLYAT	6.908572	7.158233	6.839132	7.302504	7.110399	7.027609	6.950189	6.98049	6.899333	6.989136	6.822892	6.863705
GLYATL1	GLYATL1	6.98701	7.126325	6.88169	7.08632	6.94337	6.972077	6.743812	6.967244	6.901668	6.868249	6.69595	6.849535
GLYATL2	GLYATL2	6.904652	6.995532	6.737585	7.07596	6.891774	6.881267	6.747814	6.867462	6.845701	6.926988	6.940918	6.829672
GLYBP	GLYBP	7.10092	7.245896	6.840417	7.216126	7.13776	7.101362	6.968192	7.072043	6.943999	7.03033	6.917335	6.94209
GLYCAM1	GLYCAM1	6.84277	6.959305	6.756873	6.9365	6.878446	6.97215	6.768634	6.893075	6.838083	6.87914	6.642075	6.741359
GLYCTK	GLYCTK	7.307791	7.708584	7.37884	7.408462	7.42087	7.345973	7.097845	7.298141	7.205467	7.282229	7.200745	7.246124
GM127	GM127	7.040143	7.280557	7.057578	7.305852	7.049077	7.137876	6.979594	7.083676	7.101602	7.195402	6.952393	7.119627
GM2A	GM2A	7.394758	7.60479	7.4274	7.469559	7.515518	7.631608	7.424656	7.465578	7.428702	7.357201	7.300998	7.348372
GM632	GM632	8.541744	8.978593	7.974874	8.611006	8.954978	9.107148	8.652573	8.431005	8.658595	8.27612	7.754956	8.387269
GMCL1	GMCL1	9.486096	9.257204	8.585787	9.073818	8.865977	8.868283	8.463498	8.351058	8.479005	8.202995	7.867612	8.401547
GMCL1L	GMCL1L	6.828316	7.014212	6.73007	7.027502	6.909419	6.905514	6.762647	6.958775	6.943523	6.84364	6.767828	6.874124
GMDS	GMDS	11.16766	11.05215	10.09234	9.748339	9.631475	9.431929	9.213186	9.037933	9.349158	8.86458	9.142498	9.1769
GMEB1	GMEB1	8.352208	8.315211	8.184758	8.250059	7.904035	8.034864	7.687464	7.781809	7.627966	7.691269	7.470539	7.609647
GMEB2	GMEB2	9.951823	10.40811	9.870463	9.79638	9.803118	9.976194	9.426383	9.243364	9.500606	9.253011	8.74014	8.955455
GMFB	GMFB	12.14329	12.66359	12.40678	12.76158	12.31244	12.50561	11.7972	11.45698	11.83898	11.40914	11.18668	11.21111
GMFG	GMFG	6.939152	7.064022	6.803026	7.064594	7.111557	7.216395	6.993671	6.994801	6.976566	6.959996	6.875995	6.960421

GMIP	GMIP	7.364762	7.539047	7.195085	7.374357	7.110078	7.062119	6.979254	6.997551	6.925756	7.020073	7.052836	6.856693
GML	GML	6.834571	6.995405	6.813434	6.977177	6.916942	7.130455	6.77377	6.999598	6.917029	6.908164	6.832802	6.761805
GMNN	GMNN	10.43244	10.87752	10.26139	10.03951	9.696831	10.11183	9.728874	9.448884	9.615958	9.456001	8.787002	8.386235
GMPPA	GMPPA	8.243925	8.696979	8.212824	8.53005	8.643312	8.78209	8.346953	8.577439	8.266948	8.376967	8.798151	8.20222
GMPPB	GMPPB	7.58107	8.03918	7.58359	7.724142	7.506997	7.793181	7.566366	7.708292	7.655049	7.772083	7.64837	7.551401
GMPR	GMPR	6.895273	7.194361	7.311493	7.732375	7.584614	8.331166	7.587074	7.740515	7.60396	7.97813	7.511166	7.560771
GMPR2	GMPR2	10.03136	10.41233	9.487194	9.39913	9.603869	9.6737	9.319364	9.149365	9.345055	9.153209	8.908543	8.957592
GMPS	GMPS	11.67592	11.67616	11.15547	11.01203	10.46508	10.99961	10.30812	10.36897	10.10921	10.26658	10.07054	9.874135
GNA11	GNA11	8.427278	8.599063	8.092659	8.697123	9.02837	9.506846	8.938193	9.185628	8.927959	9.092609	9.485158	9.152375
GNA12	GNA12	8.480451	8.709814	7.93665	8.136973	8.080589	8.180086	7.971106	8.218001	8.065551	8.151654	8.197335	7.926713
GNA13	GNA13	9.669221	9.854752	9.596139	9.759956	9.338277	9.703601	9.276883	9.118088	9.314338	8.877831	9.017362	9.372181
GNA14	GNA14	8.038776	8.623404	7.421369	7.177434	7.032655	7.053352	7.025729	7.024144	7.03789	7.074492	6.890167	7.039866
GNA15	GNA15	6.872774	7.114166	6.849423	6.959704	6.866692	6.969327	6.824719	6.876305	6.808879	6.789492	6.714682	6.675912
GNAI1	GNAI1	7.404716	7.369875	7.459619	7.6994	7.721406	7.475601	7.306524	7.206434	7.203784	7.080236	7.000474	7.072562
GNAI2	GNAI2	9.934261	10.49826	10.54919	10.14317	9.869198	9.712028	9.821469	10.01557	9.888323	9.858503	10.57757	9.445703
GNAI3	GNAI3	8.522233	9.257858	8.793281	8.885916	8.598588	8.388206	7.859543	7.841269	8.084053	7.854252	7.831505	7.812988
GNAL	GNAL	7.024451	7.118557	7.022343	7.095058	6.968467	7.02345	6.837481	6.924111	6.932876	6.925935	6.757403	6.820878
GNAO1	GNAO1	7.012378	7.14486	6.909399	7.015901	7.071971	7.34964	7.159035	7.298009	7.596461	7.355011	7.057955	6.967496
GNAQ	GNAQ	8.113023	8.478609	8.295957	8.330998	8.102504	8.215252	7.718012	8.031901	7.819851	7.752431	8.005925	7.994308
GNAS	GNAS	12.09685	12.59702	12.34025	12.81075	12.78283	12.98133	12.80508	13.0152	12.83798	13.09878	12.98927	12.85389
GNAT1	GNAT1	7.181375	7.411677	7.055887	7.210432	7.028509	7.192707	7.080799	7.128821	7.194526	7.148473	6.946323	7.069398
GNAT2	GNAT2	6.8986	7.16908	6.826067	7.05714	6.964326	7.137743	6.790121	7.037168	6.870709	6.902161	6.96261	6.803952
GNAT3	GNAT3	6.893001	7.020421	6.77168	6.96265	6.88036	6.910425	6.870037	6.888496	6.85198	6.837712	6.731699	6.795351
GNAZ	GNAZ	6.973998	7.11659	6.941574	6.983845	7.072039	7.051916	6.989608	7.006741	6.969871	7.007029	6.888225	7.082903
GNB1	GNB1	12.51469	12.56024	12.32474	12.75455	12.61414	12.65403	12.30168	12.33268	12.37403	12.31432	12.48425	11.97223
GNB1L	GNB1L	7.741205	7.574411	7.1548	7.429582	7.237475	7.258641	7.095857	7.194152	7.229308	7.074353	7.031785	7.006561
GNB2	GNB2	7.375999	7.62917	7.288711	7.57769	7.553704	7.815491	7.531353	7.772562	7.641265	7.717529	8.061706	7.631857
GNB2L1	GNB2L1	14.81634	15.22904	14.59678	14.96467	14.84049	14.55226	14.67676	14.43273	14.70104	14.57429	14.1347	14.12088
GNB3	GNB3	7.28942	7.393855	7.0735	7.591379	7.891612	7.055987	7.029887	7.211146	7.109434	7.218835	6.965685	7.00057
GNB4	GNB4	7.122942	7.393148	7.046772	7.58888	7.397404	7.487542	7.203057	7.209482	7.228123	7.155827	7.074773	7.503993
GNB5	GNB5	7.76734	7.657205	7.132068	7.411861	7.339781	7.912579	7.687051	7.743405	7.641391	7.941911	7.823416	8.187774
GNE	GNE	8.732508	8.745686	8.841248	9.35463	9.38916	9.066811	8.87989	8.762395	9.089916	9.053053	8.626826	8.606601
GNG10	GNG10	9.688227	10.19173	10.02384	10.04637	10.35936	11.05176	10.1891	10.35244	10.47999	10.33566	10.66759	9.953607
GNG11	GNG11	8.049371	8.031283	9.536965	9.689384	9.963484	10.78138	11.08169	11.47339	12.37757	12.87882	13.21694	12.65898
GNG12	GNG12	7.694913	7.681879	7.28145	7.98269	8.429792	8.678917	8.106508	8.67688	8.23214	8.16132	9.175488	8.820968
GNG13	GNG13	6.765504	7.075368	6.75385	6.919443	6.832496	6.859042	6.819093	6.880235	6.770465	6.868363	6.650486	6.831967

GNG2	GNG2	7.725513	7.800921	7.709225	9.622382	8.912214	8.26612	7.804778	7.950043	8.279466	7.255346	7.715861	7.583401
GNG3	GNG3	7.776063	8.784104	7.339787	7.300107	7.44513	6.99147	7.178012	6.993548	7.972348	7.175046	6.748626	6.904371
GNG4	GNG4	9.736688	9.894955	8.735688	7.999174	7.341962	7.075416	6.882381	6.988426	7.24194	7.017996	6.96899	6.859768
GNG5	GNG5	9.082687	9.797311	9.34975	9.963676	9.980183	11.10707	10.70054	10.43478	10.71575	10.77173	10.8449	10.10781
GNG7	GNG7	7.91325	7.75439	7.404331	8.033942	8.08535	8.303732	8.246035	8.627658	8.542972	8.944917	8.664703	9.117149
GNG8	GNG8	6.927559	7.02724	7.132331	7.777945	7.496388	7.636207	7.806842	7.206138	7.260813	7.080678	6.810336	6.829104
GNGT1	GNGT1	7.042043	7.169157	6.894675	7.174856	7.097656	7.043434	6.925234	7.019643	7.063009	7.047951	6.891284	6.948385
GNGT2	GNGT2	7.11428	7.267885	6.937829	7.118635	7.058635	7.156649	6.996363	6.974729	7.011578	6.950994	6.950501	6.922321
GNL1	GNL1	9.606503	10.24805	9.572895	9.384229	9.253808	8.697224	8.493884	8.213156	8.709939	8.254053	8.459931	8.919773
GNL2	GNL2	11.99255	12.12503	11.62699	11.8294	11.4615	11.90206	11.23559	11.31271	11.35888	11.20898	10.95463	10.67169
GNL3	GNL3	10.62875	10.79723	10.25869	10.19533	9.612581	9.575185	8.877831	9.1897	9.32787	9.200308	9.456417	9.186557
GNL3L	GNL3L	10.5925	10.90648	10.29287	10.32217	9.957369	9.798991	9.660556	9.362288	9.436669	9.14411	8.100999	8.977351
GNLY	GNLY	6.88227	7.068595	6.864862	7.083138	6.959191	7.028194	6.925801	7.005135	6.90434	7.029832	6.798513	6.83246
GNMT	GNMT	6.972155	7.107509	6.826853	7.117306	6.961505	6.917088	6.771455	7.088966	6.893461	7.014329	6.899146	6.905853
GNPAT	GNPAT	9.441689	9.588188	9.559022	9.729766	9.546543	10.4139	10.02648	10.32826	10.10709	10.15248	10.2112	10.0341
GNPDA1	GNPDA1	11.66182	12.27307	11.49658	11.40215	11.00544	10.11018	9.65531	9.489333	9.675535	9.355233	9.582971	9.473
GNPDA2	GNPDA2	7.503683	7.5343	7.558467	7.645759	7.964701	8.675054	8.451822	8.715066	8.780852	8.722161	8.719833	8.420982
GNPNAT1	GNPNAT1	7.615175	7.802837	7.687673	7.53698	7.197216	7.149482	7.029411	7.138005	7.174878	7.127109	7.094482	7.180406
GNPTAB	GNPTAB	8.625254	8.610302	7.639701	7.938889	7.624645	7.421145	7.270512	7.460698	7.521577	7.45038	7.794865	7.705574
GNPTG	GNPTG	8.49563	8.664163	8.509713	8.899715	9.045731	9.27913	8.976941	9.090671	8.98021	9.036018	9.130404	8.940199
GNRH1	GNRH1	7.416435	7.640749	7.528986	7.665944	7.637401	7.636013	7.433144	7.422428	7.658724	7.459349	7.28678	7.244364
GNRH2	GNRH2	7.11946	7.243627	6.976294	7.080745	6.992347	7.055688	6.840419	6.911763	6.86377	6.947054	6.757518	6.832041
GNRHR	GNRHR	6.812804	6.954829	6.756994	7.070534	6.942811	6.80502	6.830296	6.86825	6.793663	6.924537	6.775753	6.766035
GNRHR2	GNRHR2	6.925639	7.079379	6.856423	7.138287	6.822536	7.07348	6.8185	6.998129	6.9319	7.074671	6.792133	6.893915
GNS	GNS	11.37202	11.67377	11.34017	12.16425	12.39424	12.8273	12.52192	12.53365	12.46266	12.5138	12.31485	12.75283
GOLGA	GOLGA	7.679545	7.743199	7.486292	7.889823	7.692984	7.700845	7.745233	7.791368	7.714268	7.628885	7.427735	7.322833
GOLGA1	GOLGA1	7.296599	7.550117	7.216516	7.876645	8.007862	8.531616	8.155405	8.306002	8.068354	8.18965	8.008642	8.009192
GOLGA2	GOLGA2	7.826967	8.066146	7.642112	8.294699	8.198984	8.40808	8.1769	8.238046	8.297584	8.273225	8.13307	8.239513
GOLGA2L:	GOLGA2L:	7.009431	7.103556	6.855292	7.10473	6.969188	7.138794	7.030203	6.980323	6.973492	6.936422	6.830551	6.906981
GOLGA2L`	GOLGA2L`	7.057691	7.120011	6.771375	7.166929	7.014821	7.140117	6.965944	6.989835	6.891952	7.000124	6.826908	6.957674
GOLGA3	GOLGA3	9.685141	9.936823	9.726512	10.74051	10.71736	10.64349	10.37837	10.52598	10.52008	10.3073	10.54668	10.23217
GOLGA4	GOLGA4	7.456704	7.978436	7.462393	7.947446	7.66538	8.014464	7.812412	8.044283	7.89992	7.960467	7.620952	8.052045
GOLGA5	GOLGA5	9.47524	9.884746	9.921636	10.23766	10.08504	10.35654	9.694147	9.848381	9.84721	9.701362	9.946356	9.907648
GOLGA6	GOLGA6	6.854459	7.005891	6.720497	7.041848	6.938095	6.94461	6.831449	6.906499	6.897458	6.883687	6.791137	6.844935
GOLGA7	GOLGA7	9.585575	9.793141	9.421143	10.11316	10.11036	10.90027	10.50842	10.72212	10.54255	10.60997	10.6262	10.24156
GOLGA8A	GOLGA8A	7.028882	7.366699	7.003905	7.512572	7.661305	7.417538	7.408398	7.268334	7.33269	7.22238	6.942593	7.176162

GOLGA8B	GOLGA8B	8.592423	8.785056	8.607281	9.705188	9.748672	9.314667	9.31682	8.987692	8.900128	8.821368	8.405355	8.752733
GOLGA8E	GOLGA8E	6.869644	6.969556	6.827223	7.033835	6.936923	6.987843	6.816569	6.904446	6.860159	6.852247	6.711004	6.878569
GOLGA8F	GOLGA8F	6.879102	7.045804	6.804346	6.971666	6.881692	6.942582	6.824951	6.907592	6.925746	6.900212	6.76315	6.858925
GOLGA8G	GOLGA8G	6.875655	6.961906	6.805528	7.016523	6.909259	6.903625	6.896052	6.891027	6.861456	6.881635	6.708463	6.793667
GOLGB1	GOLGB1	8.397264	8.980436	8.740025	9.510601	9.288679	9.677302	9.333145	9.136412	9.225216	9.17721	8.542897	8.994484
GOLPH2	GOLPH2	8.707141	8.972428	8.264208	8.718179	8.342392	7.779453	7.709425	7.700598	7.714429	7.556804	7.538359	7.54138
GOLPH3	GOLPH3	10.60225	10.98046	10.53452	10.55958	10.41603	10.97534	10.41416	10.66633	10.54115	10.39063	10.86005	10.65382
GOLPH3L	GOLPH3L	8.187647	8.498966	7.926819	7.944167	7.717231	7.69941	7.41357	7.667991	7.564837	7.718708	7.686559	7.574576
GOLPH4	GOLPH4	9.027941	9.302006	9.525298	10.40338	10.14788	11.08784	11.12811	11.24577	11.03557	10.98053	10.70097	10.83461
GOLT1A	GOLT1A	7.879926	8.182172	7.259316	7.128176	7.087322	7.130678	7.022789	7.084108	6.943221	6.959129	6.761947	6.714565
GOLT1B	GOLT1B	8.49524	9.232954	8.583693	9.365461	8.728457	8.891747	8.537596	8.381313	8.509429	8.574301	9.039053	9.063482
GON4	GON4	6.947743	6.994399	6.857726	7.016785	6.95372	7.000527	6.893336	6.96245	6.968195	6.897254	6.878728	6.765406
GOPC	GOPC	7.924952	8.505925	8.289644	8.778687	8.742267	8.852205	8.911235	8.676079	8.963414	8.683803	8.441288	8.834045
GORASP1	GORASP1	8.619655	8.66189	8.616052	9.35261	9.265144	9.892259	9.498208	9.763101	9.400733	9.61454	9.546633	9.197447
GORASP2	GORASP2	10.39591	10.58598	10.14346	10.60784	10.41737	10.65756	10.3567	10.2789	10.3697	10.29451	10.1969	10.33852
GOSR1	GOSR1	7.270049	7.463131	7.248795	7.652668	7.483558	7.870618	7.496115	7.505087	7.454348	7.404183	7.389608	7.392491
GOSR2	GOSR2	7.709508	8.086487	7.873812	8.241123	8.118651	8.419712	8.217321	8.167981	8.136816	8.20139	8.217697	8.095348
GOT1	GOT1	10.81194	10.97132	10.46371	11.07404	11.67722	13.37941	13.02328	13.21036	13.07097	13.24688	13.03781	13.03937
GOT1L1	GOT1L1	6.756695	7.029577	6.867313	6.979778	6.847888	6.904918	6.876652	6.902942	6.948848	6.881492	6.692096	6.78031
GOT2	GOT2	11.97019	11.88331	11.01512	11.07347	11.08594	12.223	11.73589	12.10035	11.64229	12.15028	12.16193	11.88165
GP1BA	GP1BA	7.3326	7.53214	7.227017	7.488678	7.316135	7.47181	7.340315	7.458807	7.323658	7.468216	7.257667	7.225867
GP1BB	GP1BB	7.559987	7.478062	8.279613	8.916921	9.759682	12.26796	12.73882	13.02696	12.80478	13.07213	12.08142	12.33771
GP2	GP2	6.918996	7.255754	6.918419	7.04737	7.014987	7.002795	6.786654	6.98536	6.99844	6.952212	6.838257	6.837506
GP5	GP5	6.964894	7.172027	6.842324	6.970521	7.056661	7.138121	6.993883	7.042179	7.106118	7.296138	6.929043	6.909402
GP6	GP6	6.959587	7.174903	6.929831	7.050327	6.97011	7.114307	7.030608	7.041639	7.040612	7.132969	6.870038	7.03062
GP9	GP9	6.700921	6.995664	6.721157	6.971478	6.924631	6.883645	6.743581	6.853512	6.826498	6.751359	6.757674	6.817114
GPA33	GPA33	7.066416	7.237216	7.059391	7.23897	7.224243	7.132168	7.095094	7.135762	7.037842	7.173532	6.927066	6.9845
GPAA1	GPAA1	8.454711	8.93896	8.526133	8.957084	8.981319	9.301686	8.955889	9.519661	8.974387	9.361087	9.762448	9.298994
GPAM	GPAM	8.641102	9.20825	8.583695	8.608689	8.429998	8.790999	8.04339	8.097032	8.140763	7.958886	7.946538	8.100886
GPATC1	GPATC1	8.174628	8.486828	8.315605	8.442808	8.289073	8.150227	7.873966	8.012259	7.779462	7.901789	7.797803	7.79837
GPATC2	GPATC2	7.672398	8.35751	8.044076	8.182119	8.083375	8.746761	8.118577	8.33917	8.085402	8.12795	8.078331	7.825674
GPATC3	GPATC3	7.790445	8.268123	7.781973	7.770055	7.601404	8.016554	7.673766	7.695893	7.617015	7.788114	7.660117	7.792151
GPATC4	GPATC4	7.081985	7.194025	6.838975	7.071922	6.946466	7.075993	6.94457	7.028272	6.99885	6.99069	6.777421	6.905247
GPATCH4	GPATCH4	9.240686	9.640649	8.895126	8.635548	8.18784	8.580319	8.094872	8.053186	8.04166	8.091176	8.092772	7.98775
GPBAR1	GPBAR1	6.996072	7.159347	7.00391	7.803907	7.767164	7.860797	7.841418	7.693985	7.420435	7.155324	6.969965	6.852357
GPBP1	GPBP1	10.02614	10.13791	9.758517	10.04925	9.666158	9.713449	9.261516	9.523905	9.502924	9.25086	9.021997	9.166168

GPBP1L1	GPBP1L1	8.302434	8.499663	8.155428	8.250038	8.137068	8.178375	8.10561	8.004797	8.037105	8.072584	7.750726	8.091625
GPC1	GPC1	7.407293	7.834844	7.627895	7.990822	7.826189	9.176419	9.140551	9.484591	9.341294	9.783924	9.647382	9.438727
GPC2	GPC2	8.854305	9.291668	8.589206	8.774468	8.682555	8.776298	8.100859	7.648118	8.534084	7.770164	7.502801	7.284602
GPC3	GPC3	8.473975	8.743774	8.785813	9.865804	10.60433	8.185598	8.476687	8.505718	8.649274	7.706362	7.300998	7.044076
GPC4	GPC4	12.41172	12.0868	11.70485	9.819248	9.41799	9.657536	8.457939	8.540013	8.619616	8.268685	8.058956	7.758522
GPC5	GPC5	6.960185	7.116731	6.971153	7.554156	8.475335	7.357701	7.153535	7.093928	7.288898	7.050632	6.778445	6.894757
GPC6	GPC6	8.459321	8.411448	8.405583	9.677694	9.648109	9.20004	8.515809	8.399468	8.831034	8.490748	8.449288	9.528489
GPD1	GPD1	6.786018	6.995501	6.953094	6.90598	6.982443	6.892535	6.823406	6.919594	6.804364	6.835543	6.703943	6.985591
GPD1L	GPD1L	8.929579	8.920963	7.980364	8.526484	9.239239	10.87251	10.97226	11.00274	10.70865	11.0533	10.62266	11.07931
GPD2	GPD2	7.074083	7.3631	7.039517	7.251477	7.06583	7.12285	6.947687	6.996615	6.941473	6.985662	6.835102	6.92225
GPHA2	GPHA2	6.96471	7.088243	6.856768	7.199656	7.043839	7.137766	6.958022	7.103781	6.892769	7.073907	6.90571	6.937488
GPHB5	GPHB5	6.924448	7.179198	6.835749	7.122323	6.963194	7.117515	7.030717	7.02207	6.933552	6.915665	6.743608	6.968098
GPHN	GPHN	7.699473	8.160832	7.684925	7.924834	7.822948	8.474939	7.816095	7.891201	7.679318	7.984573	7.749198	7.79325
GPI	GPI	10.92872	10.88741	9.562978	10.08198	10.35589	11.1034	10.8932	11.22254	10.9361	11.29714	11.35431	11.37001
GPIAP1	GPIAP1	10.26388	10.24734	10.09398	10.07124	9.914517	10.78075	10.09663	10.22878	10.03963	9.97549	9.699789	9.69504
GPKOW	GPKOW	8.222089	8.736632	8.137249	8.364861	8.326558	8.945618	8.750602	8.270715	8.57149	8.689366	8.009204	8.745916
GPLD1	GPLD1	7.097789	7.136945	6.86969	6.991479	7.030999	6.991406	6.881833	6.983307	7.006273	6.91864	6.829536	6.835394
GPM6A	GPM6A	7.228885	7.350729	7.360476	7.368191	7.362475	7.418882	7.183484	7.101588	7.365655	7.079855	6.940203	7.067203
GPM6B	GPM6B	10.79658	11.52438	9.499201	8.75783	8.245639	7.858714	7.759961	7.74363	8.78686	7.380448	7.136907	7.051904
GPNMB	GPNMB	6.965116	7.084851	6.820051	6.975676	6.94662	7.037211	7.042389	7.089164	7.312465	7.13988	7.066078	7.525786
GPR1	GPR1	8.505663	9.426084	8.745738	9.180411	9.512603	9.576769	9.560956	9.184413	9.314186	9.289181	9.206066	9.154497
GPR101	GPR101	6.974522	7.171717	6.922043	7.193279	7.003735	7.120304	7.077374	6.998388	7.099405	7.277803	6.933775	6.91256
GPR103	GPR103	6.890736	7.138342	6.762048	7.145685	6.876038	6.901373	6.908402	6.961559	6.880517	6.937329	6.854502	6.923058
GPR107	GPR107	7.09687	7.24691	7.138457	7.258414	7.116513	7.187394	7.066895	7.220579	7.17597	7.076367	6.957153	7.065379
GPR108	GPR108	7.601835	7.836952	7.69505	8.218425	7.977844	8.02964	7.779464	8.01858	7.73776	7.856133	7.801032	7.829837
GPR109A	GPR109A	6.773157	6.849763	6.780925	6.935299	6.889049	6.799867	6.836592	6.836138	6.784879	6.92447	6.682607	6.658103
GPR109B	GPR109B	7.076259	7.242379	7.024015	7.118579	7.050774	7.078146	6.95229	7.033808	7.057818	6.995535	6.928745	6.860953
GPR110	GPR110	6.854539	7.04045	6.820823	7.057502	6.932441	6.989128	6.928321	6.935081	6.919365	6.953053	6.754978	6.848539
GPR111	GPR111	6.833418	6.941332	6.723425	6.985932	6.798733	6.88013	6.773856	6.873587	6.860678	6.74599	6.716801	6.779472
GPR112	GPR112	6.940252	7.185012	6.835186	7.057226	6.906475	6.957517	6.908447	6.908147	6.997171	6.993902	6.902848	6.827186
GPR113	GPR113	6.973964	7.168774	7.004228	7.21453	7.062509	7.088887	7.160122	7.018924	6.98142	6.940223	6.895132	6.884279
GPR114	GPR114	8.793906	8.4739	7.582702	7.426078	7.172731	7.146797	7.136903	7.106016	7.075511	7.267205	6.914658	7.053254
GPR115	GPR115	6.73164	7.002071	6.770077	7.094442	6.980809	6.825191	6.791541	6.979189	6.822826	6.871152	6.76194	6.744111
GPR116	GPR116	6.928892	7.148065	6.996284	7.293572	7.385759	7.214604	6.942741	6.980688	7.419823	7.399062	6.904569	7.018579
GPR119	GPR119	7.257982	7.561671	7.270954	7.468069	7.269137	7.4448	7.419373	7.401128	7.358929	7.462835	7.183459	7.442299
GPR12	GPR12	6.768692	7.128823	6.682857	6.958317	6.90901	6.989952	6.813076	6.929341	6.756908	6.884957	6.649453	6.74909

GPR120	GPR120	6.842697	6.954169	6.685831	6.956512	6.85691	6.893104	6.781611	6.882668	6.942671	6.877953	6.791637	6.819003
GPR123	GPR123	6.779562	6.930069	6.896549	7.02208	6.881384	6.818335	6.838368	6.894946	6.917934	6.75836	6.736008	6.727189
GPR124	GPR124	6.949034	7.181869	6.939309	9.130365	9.060638	8.276835	8.5028	8.383551	8.687078	7.871684	7.69194	7.547296
GPR125	GPR125	7.186022	7.501785	7.264924	7.523188	7.339289	7.389935	7.225717	7.214535	7.158091	7.197624	6.991111	7.147359
GPR126	GPR126	7.080424	7.428905	7.330065	8.773969	7.984836	8.042525	7.786762	8.070721	7.803512	7.671554	7.686866	7.320886
GPR128	GPR128	6.875282	7.007741	6.855414	7.110427	6.940852	7.089099	6.848	6.936265	6.842962	6.943384	6.806923	6.816331
GPR132	GPR132	6.848375	7.050299	6.768331	7.030427	6.898606	6.909811	6.87047	6.993896	6.910735	6.958082	6.76941	6.811845
GPR133	GPR133	6.922252	7.082293	6.809615	7.1377	6.911221	7.153393	7.067873	7.02446	7.00751	7.059517	6.985495	6.887451
GPR135	GPR135	6.895067	7.088492	6.843011	7.028506	6.965612	6.990244	6.990826	7.031898	6.976022	6.915237	6.866819	6.887256
GPR137	GPR137	10.57094	10.58818	10.41348	10.74763	10.74712	11.00324	10.79032	10.71148	10.92845	10.8764	10.66785	11.12273
GPR137B	GPR137B	7.875651	7.774063	7.280898	7.408405	7.338611	7.472787	7.515761	8.060881	8.12892	8.356751	8.666549	8.188453
GPR139	GPR139	6.897048	7.110511	6.832974	7.080067	7.007963	6.969023	6.968868	7.019421	6.896064	7.072396	6.968607	6.987596
GPR141	GPR141	6.996748	7.019078	6.847484	6.990681	6.96426	6.920239	6.8408	6.92723	6.930071	6.909711	6.760303	6.871973
GPR142	GPR142	6.85057	7.083268	6.736021	7.05705	6.972161	6.95304	6.845902	7.065548	6.937183	6.946752	6.818811	6.894731
GPR143	GPR143	7.32447	7.699698	7.055052	7.150035	7.029565	7.0601	6.969109	7.048036	6.918479	6.898144	6.842301	6.867935
GPR144	GPR144	6.876257	7.090396	6.787709	7.074947	6.925487	6.881422	6.879697	7.003957	6.816589	6.826107	6.895901	6.87159
GPR146	GPR146	6.921663	7.191514	7.028258	7.255668	7.108799	7.272599	7.085124	7.130157	7.090392	7.048096	7.043547	7.10579
GPR148	GPR148	6.983675	7.094547	7.024022	7.124172	6.906379	7.073299	6.963993	6.891074	6.995143	7.061952	6.861038	6.944964
GPR149	GPR149	6.90631	7.166577	6.898621	7.154089	6.967953	7.192421	7.046671	6.998637	6.946374	7.157218	6.901655	6.923025
GPR15	GPR15	6.92618	7.033611	6.800553	7.022625	6.975717	7.023423	6.888654	6.947054	6.888838	7.036721	6.848899	6.867443
GPR150	GPR150	6.728468	7.04548	6.765483	6.963854	6.882811	6.885867	6.895976	6.943271	6.799991	6.837389	6.859685	6.825313
GPR151	GPR151	6.882512	6.931888	6.774239	6.999102	6.871047	6.869474	6.838966	6.994972	6.805869	6.901591	6.729107	6.908713
GPR152	GPR152	6.835492	6.977611	6.762642	7.110033	6.851043	6.954415	6.882288	6.881008	6.938993	6.887802	6.733992	6.758218
GPR153	GPR153	7.039156	7.199678	6.942186	7.194886	7.113529	7.223315	7.098971	7.17274	7.07991	7.10764	6.896601	7.108521
GPR154	GPR154	7.170087	7.403487	7.253459	7.441615	7.285854	7.47031	7.369365	7.382285	7.460923	7.522693	7.249556	7.328254
GPR155	GPR155	6.846127	6.958124	6.776496	7.078218	6.958428	6.953981	6.92439	6.9391	6.831622	6.907377	6.760567	6.831452
GPR156	GPR156	6.968061	7.230408	6.887525	7.12951	7.011414	6.972307	7.015179	6.963741	6.965564	7.145634	6.922734	7.055271
GPR157	GPR157	6.785167	7.012273	6.741941	6.983334	6.916544	7.062449	6.787119	6.898202	6.809948	6.851263	6.808687	6.845713
GPR158	GPR158	6.980516	7.127773	7.147312	7.003143	7.045064	6.978237	6.855278	7.041606	6.871844	6.991382	6.865691	6.896962
GPR158L1	GPR158L1	7.083277	7.130128	6.88228	7.134525	7.034002	7.190969	6.866419	7.000846	6.936282	7.090344	6.819065	7.060779
GPR160	GPR160	9.142425	8.992126	7.565158	7.402568	7.123686	6.987317	6.748653	6.92107	6.971607	6.8952	6.770334	6.912947
GPR161	GPR161	7.246218	7.406819	7.147501	7.59694	7.41304	7.345461	7.176005	7.153227	7.089421	7.04219	6.913265	7.043257
GPR162	GPR162	8.23504	8.32181	8.0575	8.768309	9.457047	9.771285	9.107538	8.705622	9.15033	8.538918	7.975093	8.4237
GPR17	GPR17	6.943228	7.123968	6.839952	6.916735	6.91648	6.95095	6.825506	6.858748	6.815944	6.872248	6.74791	6.846509
GPR171	GPR171	6.90091	7.043145	6.734104	6.945292	6.966685	6.931997	6.884791	7.04538	6.882533	7.006925	6.855877	6.987251
GPR172A	GPR172A	9.137998	9.545128	8.829809	9.240872	9.107391	9.206548	8.624563	8.759824	8.540879	8.696044	9.548692	8.806663

GPR172B	GPR172B	6.84262	7.143802	6.800278	7.017632	6.845745	6.972244	6.830051	6.955085	6.901058	6.893683	6.790001	6.865824
GPR173	GPR173	6.97849	7.209303	6.788359	7.066604	7.004642	7.00756	6.983254	6.991405	6.966133	7.01794	6.823097	6.968936
GPR174	GPR174	6.814191	6.988143	6.775542	6.960945	6.91613	6.90893	6.785949	6.889155	6.810368	6.78474	6.758491	6.800665
GPR175	GPR175	7.711354	7.843363	7.625944	7.765802	7.856594	7.846272	7.651786	7.956471	7.823502	7.920123	8.190862	8.087897
GPR176	GPR176	8.835059	9.154312	7.267131	7.05421	6.981505	7.021669	6.97848	7.097675	7.049234	7.122297	7.317971	7.235905
GPR177	GPR177	7.090012	7.46651	10.41648	10.68292	10.33767	10.92983	10.70153	10.7433	10.6998	10.54687	10.63527	10.5164
GPR179	GPR179	6.922942	7.027651	6.852043	7.114163	6.921832	7.057634	6.885695	6.977189	7.029079	6.952081	6.907643	6.929236
GPR18	GPR18	6.826506	7.036008	6.811837	6.970444	6.876552	6.955538	6.778087	6.851789	6.895152	6.877534	6.839746	6.764651
GPR19	GPR19	8.914677	9.22649	7.964673	8.189565	7.497973	7.155146	6.833447	6.969871	7.129787	6.93607	6.772804	6.816213
GPR20	GPR20	6.838042	7.246297	6.864252	7.267486	7.222722	7.159244	7.020413	7.159002	6.967795	7.090257	6.878214	6.965515
GPR21	GPR21	6.939767	7.235837	6.886654	7.07865	7.032718	7.085882	7.027052	7.116005	7.063461	7.04077	6.887918	6.890784
GPR22	GPR22	6.955698	7.034384	6.761076	6.952314	6.992192	7.073595	7.314851	7.98113	7.757848	8.403308	7.912121	8.446673
GPR23	GPR23	8.753276	8.96721	7.950235	7.981392	7.619983	7.366718	7.380319	7.260216	7.676503	7.345258	6.961914	7.184431
GPR24	GPR24	6.793302	7.189895	6.791086	6.94284	6.935836	6.993155	6.827711	6.921219	6.986197	6.969284	6.825095	6.88797
GPR25	GPR25	6.884316	7.021696	6.748427	6.990186	6.836413	6.963156	6.998865	6.892184	6.74821	6.831978	6.852867	6.842366
GPR26	GPR26	7.083669	7.076672	6.918785	7.053247	6.983835	7.085307	6.926866	6.93283	6.988659	7.036137	6.770003	6.941592
GPR27	GPR27	8.34023	8.436036	7.88649	8.282614	8.176832	8.329112	8.100492	7.960827	8.082913	8.129252	7.816325	7.926232
GPR3	GPR3	7.86538	7.948689	7.533972	7.544376	7.227183	7.601804	6.991544	7.140818	7.063497	7.225064	7.569545	7.126158
GPR30	GPR30	7.001208	7.449428	7.221389	7.89632	8.244895	7.570238	7.839133	7.829117	7.922591	7.695871	7.391348	7.314461
GPR31	GPR31	6.876137	6.964372	6.841459	6.921399	6.842269	6.920506	6.891214	6.990621	6.906658	6.840845	6.70665	6.805106
GPR32	GPR32	6.83466	6.960212	6.804082	6.964336	6.838327	6.901946	6.806698	6.848272	6.813936	6.927678	6.702719	6.803197
GPR34	GPR34	6.853819	7.029392	6.744893	6.989378	6.907655	6.958627	6.841515	6.870321	6.846207	6.912354	6.793014	6.852654
GPR35	GPR35	6.96317	7.110996	6.786904	7.000938	6.914673	7.142316	7.096276	6.983392	7.016882	7.095689	6.799907	6.864087
GPR37	GPR37	9.318292	8.287273	9.5879	8.797725	9.364047	9.685738	8.847773	8.786003	8.520238	8.084156	7.93483	7.548639
GPR37L1	GPR37L1	6.956551	6.973373	6.876293	6.977415	6.991257	6.916674	6.750683	6.913002	6.82238	6.940978	6.696827	6.730291
GPR39	GPR39	6.858665	7.070494	6.872887	7.004398	6.944551	6.905376	6.833061	6.911537	6.860186	6.831864	6.708589	6.771147
GPR4	GPR4	6.938922	7.148609	6.807289	7.074238	7.042769	6.997234	6.912586	6.896432	6.904831	6.855699	6.718806	6.807316
GPR42	GPR42	6.803313	6.969393	6.7684	6.942401	6.881482	6.888315	6.758405	6.843995	6.743809	6.92945	6.713995	6.760397
GPR44	GPR44	6.966894	7.018698	6.780726	6.894804	6.899773	7.00617	6.86804	6.862414	6.743119	6.870285	6.733952	6.807321
GPR45	GPR45	6.858956	6.937971	6.820239	7.068306	6.802794	6.933333	6.841506	6.916124	6.849936	6.659093	6.707901	6.786363
GPR50	GPR50	6.836088	7.060636	6.763232	7.013962	6.929902	6.915831	6.785517	7.003926	6.937383	6.98979	6.811952	6.872498
GPR52	GPR52	6.941602	7.176054	6.923892	7.033409	6.921291	6.990724	6.9426	6.944768	6.987873	6.98598	6.780895	6.85617
GPR55	GPR55	6.917528	7.048594	7.69537	7.085318	6.871479	7.016959	6.868586	6.911584	6.749127	6.877541	6.647392	6.82107
GPR56	GPR56	7.010809	7.47364	7.366056	7.789775	7.401625	7.147359	6.972786	7.298974	8.440128	7.218053	7.515398	7.037762
GPR6	GPR6	6.980159	7.181514	6.835172	7.046952	7.003944	7.06833	6.923795	6.928873	6.915394	7.018037	6.862025	6.857656
GPR61	GPR61	6.699385	7.063696	6.753512	6.994966	6.829034	6.8888	6.828763	6.946119	6.916517	6.927806	6.75775	6.822016

GPR62	GPR62	7.031542	6.98106	6.835921	6.994725	6.984034	6.795649	6.92576	6.933909	6.879626	6.866653	6.609864	6.826217
GPR63	GPR63	7.724317	7.882667	7.258757	7.419248	7.156614	7.155323	7.02231	7.023728	6.933973	7.07989	6.858376	6.950377
GPR64	GPR64	9.317485	9.933445	8.410913	7.42398	7.371537	7.283705	7.105219	7.174767	7.710531	7.230985	6.918113	6.934067
GPR65	GPR65	6.867149	7.086596	6.808855	7.074914	6.981185	6.970212	6.902056	6.93053	6.921613	6.990662	6.75834	6.85222
GPR68	GPR68	6.991918	6.979885	6.835757	7.050136	6.909614	6.947743	6.894381	6.923966	6.934695	6.988195	6.866654	7.093272
GPR75	GPR75	6.841874	7.107619	6.9977	7.098083	6.99501	7.239967	6.981598	7.0009	6.816296	7.00083	6.872761	6.788074
GPR77	GPR77	6.702112	6.948579	6.74005	6.97384	6.802711	6.916383	6.752419	6.849464	6.867821	6.806938	6.718263	6.845358
GPR78	GPR78	6.967249	7.153499	6.904024	7.113699	7.135999	7.145059	6.975263	7.013295	7.030377	6.944444	6.875392	6.868021
GPR81	GPR81	6.916969	7.06605	6.802296	7.061846	6.869458	6.99088	6.877179	6.965299	6.922084	6.976165	6.77503	6.798438
GPR82	GPR82	6.828088	6.996726	6.794103	6.968905	6.923212	6.966671	6.869689	6.90196	6.870126	6.846368	6.762192	6.762108
GPR83	GPR83	7.079909	7.16837	7.116134	7.881097	7.124793	7.430794	7.084205	7.151686	6.966484	6.947295	6.790907	6.888764
GPR84	GPR84	6.976754	7.000077	6.876179	7.081496	6.989161	7.093308	6.982242	7.081415	6.97008	7.012954	6.824728	6.991129
GPR85	GPR85	6.989391	6.902342	6.837158	6.908735	6.872497	6.983919	6.810007	6.926299	6.954165	6.917785	6.795569	6.817833
GPR87	GPR87	6.931132	7.48887	7.066701	7.155164	7.047515	7.112787	6.930592	7.057101	6.925326	7.043127	6.948049	7.087655
GPR88	GPR88	6.767776	6.873873	6.718432	6.980862	6.856258	6.898506	6.806871	6.913655	6.886597	6.900398	6.772358	6.91985
GPR89A	GPR89A	8.576982	8.743234	8.656116	8.70261	8.596934	9.117595	8.429705	8.664455	8.583702	8.418385	8.445262	8.223882
GPR92	GPR92	7.023955	7.099868	6.999188	7.173956	7.062812	7.146531	6.99778	7.377421	7.287057	7.452901	7.505129	7.702664
GPR97	GPR97	6.924102	7.082624	6.859751	7.039663	6.932453	6.96352	6.855793	6.938526	6.886978	6.947892	6.826863	6.862153
GPR98	GPR98	8.041299	8.208912	7.593754	7.453583	7.214907	7.280216	7.129996	7.081155	7.069702	7.162737	6.872309	6.904171
GPRASP1	GPRASP1	6.881431	7.026343	6.869302	7.079852	6.955414	7.127099	6.94578	7.087208	6.988337	6.963617	6.810156	6.904386
GPRASP2	GPRASP2	8.548092	9.095791	8.260282	8.723835	8.89615	9.426854	8.988925	9.015436	8.910938	8.873691	8.745817	8.85545
GPRC5A	GPRC5A	6.862728	7.029097	6.845924	6.883472	6.957864	6.91986	6.922854	7.163639	7.016326	7.044259	7.160937	6.867108
GPRC5B	GPRC5B	8.019073	8.525829	7.437996	7.366108	7.17715	7.134792	7.175294	7.199366	7.217669	7.286066	7.075671	7.067535
GPRC5C	GPRC5C	7.853178	7.929697	8.750518	10.72906	10.62196	9.441599	8.833614	8.506102	8.551549	7.950053	7.490721	7.781881
GPRC5D	GPRC5D	6.869369	6.884386	6.727101	6.967179	6.835242	6.943754	6.822548	6.92867	6.871741	6.851875	6.773144	6.805748
GPRC6A	GPRC6A	6.960412	7.173486	6.944962	7.242709	6.929017	7.122629	6.965188	6.978265	7.022465	7.055049	6.844393	6.99428
GPS1	GPS1	10.271	10.47746	9.851937	10.15813	9.890808	10.43579	10.02453	9.884489	9.916194	10.04521	9.447883	9.988048
GPS2	GPS2	8.644059	8.780158	8.085685	8.55161	8.275941	8.503202	8.503154	8.555865	8.567844	8.804508	8.647385	8.468672
GPSM1	GPSM1	8.972495	9.185661	9.140467	10.35088	10.41829	10.66591	10.29393	10.10017	10.05769	9.749251	9.28199	9.288157
GPSM2	GPSM2	8.374154	8.582306	8.432302	8.540628	8.36968	8.178274	7.964166	8.12958	8.30398	8.012243	7.709452	7.539396
GPSM3	GPSM3	7.240972	7.008429	7.048826	7.256388	7.073254	7.000365	6.96019	6.951701	7.0314	6.881374	6.745857	6.866363
GPSN2	GPSN2	11.1507	10.9265	10.36129	11.14671	10.84689	10.71131	10.35157	10.84313	10.55715	10.80064	11.03063	10.46346
GPT	GPT	7.061681	7.391633	7.088117	7.233999	7.227897	7.31724	7.313977	7.302634	7.238446	7.158969	6.956483	7.236492
GPT2	GPT2	11.74156	11.63025	10.15096	10.95262	10.72101	10.1489	10.02823	9.800538	10.21641	9.636846	9.532298	10.07198
GPX1	GPX1	10.7257	11.12544	10.34614	10.29919	10.55691	11.21873	10.56708	10.554	10.6007	10.73734	10.86249	10.6388
GPX2	GPX2	6.953564	7.092704	7.306226	7.211775	6.993791	6.967979	6.917649	6.951516	6.905922	6.934947	6.858101	6.823339

GPX3	GPX3	8.969576	9.484703	8.982322	8.637175	8.280143	9.394668	9.48978	9.666623	10.20127	10.64026	10.61316	11.41067
GPX4	GPX4	12.42686	12.68719	12.0975	12.37923	12.36452	12.49606	12.28735	12.32492	12.28282	12.4704	12.52539	11.99587
GPX5	GPX5	6.857507	7.067834	6.784538	7.087335	6.968253	7.063865	6.950279	7.014557	6.875206	6.904462	6.727055	6.865248
GPX6	GPX6	6.918619	7.028394	6.853867	7.124579	6.961865	7.09305	6.825827	7.009638	6.837591	7.000243	6.789602	6.714021
GPX7	GPX7	8.577289	8.951933	8.965034	8.718131	8.199026	9.150086	8.969251	8.871224	8.765627	8.224907	8.001914	7.911256
GRAMD1A	GRAMD1A	10.63117	10.25379	9.11989	9.308743	9.256307	9.056298	9.05469	8.791408	9.311575	9.052506	8.881743	9.578768
GRAMD1C	GRAMD1C	7.028532	7.109705	6.82052	7.039285	6.908899	7.016691	6.835655	6.880085	6.982836	6.835337	6.848772	6.835306
GRAMD2	GRAMD2	6.871754	6.917905	6.820804	6.963783	6.859265	6.882117	6.824672	6.85348	6.676791	6.86603	6.695873	6.819486
GRAMD3	GRAMD3	8.571118	8.863375	7.66279	7.885053	7.746256	8.723334	8.28915	8.638717	8.655309	8.75624	8.877806	8.958432
GRAP	GRAP	6.910051	7.080201	6.826952	7.054437	6.976503	6.96945	6.890323	6.965516	6.895135	6.929624	6.820214	6.860288
GRAP2	GRAP2	6.785874	6.995725	6.914652	7.001473	6.777254	6.831159	6.821204	6.852563	6.839322	6.829752	6.747984	6.827565
GRASP	GRASP	6.962327	7.137191	7.098225	7.219109	7.22083	7.111188	7.161914	7.143062	7.188418	6.999347	7.029639	7.089261
GRB10	GRB10	8.581473	8.61113	8.097612	8.078234	7.882958	7.779074	7.570564	7.619528	7.586408	7.534352	7.548981	7.568374
GRB14	GRB14	7.462638	7.815803	7.286309	7.329648	7.281912	7.900974	7.746941	7.714786	7.834239	7.776239	7.209313	7.141568
GRB2	GRB2	8.57185	9.057168	8.250139	8.632374	8.484415	9.731087	8.880588	8.916184	8.810488	8.972708	8.850854	8.838105
GRB7	GRB7	7.491962	8.530686	7.481906	7.184377	7.014414	7.11991	6.975473	7.018379	7.050949	7.036281	6.898128	7.038888
GREB1	GREB1	7.067451	7.268196	7.046257	7.431657	7.212446	7.270278	7.09279	7.016191	7.002334	7.063463	6.840215	6.944782
GREM1	GREM1	6.963543	7.812335	7.314737	7.645187	7.415506	7.724829	8.241237	8.233435	8.435362	8.340207	9.994077	10.42562
GREM2	GREM2	6.816822	7.024708	6.884855	7.712589	8.339844	7.921579	7.512866	7.316612	7.282941	7.006365	6.82396	7.068677
GRHL1	GRHL1	6.963923	7.119493	6.883926	7.124652	6.989964	6.969441	6.943293	6.952071	6.934338	6.958073	6.836289	6.919314
GRHL2	GRHL2	7.949743	8.430078	7.470335	7.707055	7.292541	7.084351	6.837187	7.010892	7.050508	6.954308	6.795833	6.926001
GRHL3	GRHL3	6.863205	7.957131	7.195267	7.188807	6.936171	7.013215	6.878801	6.929835	6.926358	6.92467	6.77978	6.808648
GRHPR	GRHPR	8.823804	9.16695	8.619208	9.161889	9.171734	9.919933	9.624514	9.436773	9.405558	9.5637	9.294825	8.99503
GRIA1	GRIA1	6.997961	7.095374	6.842481	7.011887	7.05258	7.344902	6.899874	7.033104	7.002109	7.133458	6.734482	6.831242
GRIA2	GRIA2	6.95941	7.081895	6.867472	7.078415	7.165765	7.086107	6.999446	7.302484	8.242662	7.079174	6.922073	6.981035
GRIA3	GRIA3	7.541463	8.300484	7.736144	7.745506	7.549599	7.564967	7.355459	7.313874	7.379127	7.281356	7.2838	7.313747
GRIA4	GRIA4	6.924264	7.040127	6.785184	6.936194	6.92513	6.944205	6.874255	6.960228	6.943179	6.869834	6.712727	6.794441
GRID1	GRID1	6.91119	7.021293	6.981993	6.959517	6.797789	6.975782	6.809986	6.88623	6.878416	6.885436	6.696707	6.842352
GRID2	GRID2	7.191537	7.218181	6.761892	6.964159	6.815369	6.915132	6.934189	6.904452	6.777144	6.996304	6.622809	6.798086
GRIK1	GRIK1	6.872574	7.111255	6.781408	7.130079	6.958034	6.949352	6.952087	6.953198	7.023348	6.982998	6.823377	6.866094
GRIK2	GRIK2	6.936605	7.060005	6.812237	7.07484	7.0345	7.086998	7.047087	7.130078	7.085906	7.072813	7.018036	6.964075
GRIK3	GRIK3	6.871093	7.098324	6.855209	6.998572	6.89867	6.900472	6.871157	6.991922	6.972263	7.027406	6.790308	6.882137
GRIK4	GRIK4	7.011794	7.094744	6.865405	7.076632	6.870433	7.000203	6.892742	6.874869	6.938408	6.911695	6.822018	6.884064
GRIK5	GRIK5	7.326437	7.450851	7.023541	7.147197	7.102994	7.1177	6.961473	7.011713	6.980431	7.003679	6.818861	6.908344
GRIN1	GRIN1	7.585367	7.583468	7.228941	7.410314	7.318286	7.327008	7.204087	7.186162	7.321963	7.21944	7.129974	7.065532
GRIN2A	GRIN2A	6.914882	7.150618	6.914282	7.253686	7.019913	6.966257	7.054866	6.985738	7.016676	6.864929	6.875452	6.960573

GRIN2B	GRIN2B	7.043113	7.113697	6.779661	7.022547	6.956005	7.011548	6.956955	6.941784	6.850118	6.988437	6.768812	6.794685
GRIN2C	GRIN2C	6.962791	7.180807	6.914964	7.107747	7.282603	7.166928	7.01289	7.090209	7.234673	7.238477	6.871955	6.928744
GRIN2D	GRIN2D	6.784955	6.912177	6.818417	6.980896	6.791929	6.863415	6.898055	6.92609	6.865107	6.927609	6.718186	6.731649
GRIN3A	GRIN3A	6.794441	7.078595	6.746954	7.02562	6.85546	6.867911	6.864069	6.897882	7.086345	6.896603	6.81287	6.795228
GRIN3B	GRIN3B	7.120088	7.229018	7.154428	7.978212	8.124166	7.298516	7.263956	7.233819	7.387653	7.222715	6.951923	7.053965
GRINA	GRINA	8.55454	8.725359	8.381338	9.038331	9.155329	9.457749	9.061942	9.345452	9.243261	9.362792	9.734036	9.109452
GRINL1A	GRINL1A	7.371339	7.645449	7.363815	7.476568	7.420784	7.841092	7.599306	7.716463	7.702625	7.742803	7.62139	7.6661
GRIP1	GRIP1	6.959233	7.001213	6.894988	7.114434	7.177176	7.23404	6.840271	6.886243	6.782825	6.88092	6.816242	6.892535
GRIP2	GRIP2	6.946444	7.161601	6.933942	7.085669	7.026687	7.154186	6.969435	7.015399	6.934627	7.040356	6.899432	6.847199
GRIPAP1	GRIPAP1	8.67464	9.376026	8.712179	9.211665	9.389905	9.304879	9.292988	9.027366	9.129618	9.081706	8.762056	9.021727
GRK1	GRK1	7.038928	7.218362	6.963716	7.135262	6.945337	6.986658	6.922034	7.057349	6.916705	6.940325	6.799315	6.86961
GRK4	GRK4	7.039938	7.09065	6.954308	7.29231	7.394068	8.156798	7.871023	7.726986	7.579714	7.648682	7.29415	7.230394
GRK5	GRK5	7.129273	7.318641	7.647833	8.586645	9.27817	8.269041	8.205544	8.080842	8.390956	8.310199	7.880397	8.375757
GRK6	GRK6	7.529667	7.609681	7.286167	7.473472	7.334112	7.612323	7.414974	7.59136	7.47329	7.604116	7.544969	7.393954
GRK7	GRK7	6.679814	6.98156	6.653165	6.82745	6.7952	6.933964	6.82819	6.826084	6.768857	6.942938	6.752317	6.776897
GRLF1	GRLF1	6.972425	7.157666	7.028446	7.125137	7.134273	7.137611	6.928153	7.048126	6.956154	7.026409	6.797578	6.845384
GRM1	GRM1	6.898969	7.07305	6.880338	6.946873	6.912289	7.053905	6.878926	6.959901	6.893935	6.944242	6.841675	6.885513
GRM2	GRM2	8.497397	8.405724	8.311271	7.898491	7.942333	8.016073	7.489893	7.414563	7.564826	7.353198	7.227799	7.392099
GRM3	GRM3	7.897403	7.588356	7.139995	7.428691	7.316764	7.02021	6.934001	6.912163	7.446794	6.919967	6.784671	6.77662
GRM4	GRM4	7.863411	8.174025	8.015676	7.175339	7.021304	7.151171	7.071973	7.144423	7.050329	7.072211	6.905432	6.927791
GRM5	GRM5	7.075721	7.21364	6.927146	7.207722	6.996955	7.029905	6.959235	6.946258	6.913517	7.006251	6.975472	6.990517
GRM6	GRM6	6.834012	6.930945	6.672366	6.997989	6.851568	6.859506	6.832603	6.988694	6.877435	6.891532	6.80326	6.818917
GRM7	GRM7	6.903013	7.020126	6.823492	7.030361	7.044312	7.041495	6.828149	6.946815	6.927612	6.937993	6.798955	6.848527
GRM8	GRM8	7.660415	8.317578	7.617244	8.576617	8.650081	8.591833	7.346731	7.171444	7.533905	7.148623	6.845231	6.89507
GRN	GRN	9.257145	9.599546	9.317459	9.675788	9.548829	9.601535	9.340186	9.450574	9.440223	9.411921	9.51741	9.748123
GRP	GRP	6.929958	7.118284	8.610436	7.410954	7.002171	7.102741	6.967367	7.004915	6.972628	6.945064	6.792047	6.88776
GRPEL1	GRPEL1	9.646162	9.534487	9.397398	9.280557	9.315645	9.817973	9.295995	9.403038	9.362266	9.473828	9.756668	9.417252
GRPEL2	GRPEL2	10.95299	11.17968	10.36617	10.08944	9.834225	9.631958	9.068554	8.943425	9.523141	8.985677	9.022174	9.210702
GRPR	GRPR	9.737923	10.52707	8.347286	8.444614	8.693611	6.979856	6.818845	6.903436	6.839446	6.890315	6.820734	6.879679
GRRP1	GRRP1	7.10196	7.255008	7.611896	8.085216	7.948127	8.833124	8.263459	8.084634	7.89441	7.872293	7.729315	7.268639
GRSF1	GRSF1	11.37166	11.64019	11.32554	11.257	11.33256	12.07484	11.3087	11.29478	11.35843	11.19462	10.87375	11.22541
GRTP1	GRTP1	9.080235	8.554072	7.55233	7.514515	7.220924	7.376111	7.238197	7.161386	7.181861	7.066364	6.833732	6.894896
GRWD1	GRWD1	9.808174	10.27632	9.414822	9.390498	9.104776	9.448966	8.893212	8.817617	8.932949	9.016852	9.075289	9.037617
GSC	GSC	6.885803	7.164396	7.039455	6.948809	6.947592	6.973796	6.918265	6.88834	6.966487	6.911718	6.759528	6.894474
GSCL	GSCL	6.820342	7.000131	6.783288	6.92335	6.918442	6.89314	6.830124	6.874926	6.955438	6.820134	6.767742	6.857761
GSDM1	GSDM1	7.590194	7.777687	7.426819	7.653588	7.456442	7.451337	7.553142	7.421363	7.589587	7.476304	7.200061	7.484921

GSDMDC1	GSDMDC1	8.665376	9.191768	7.94679	8.133061	7.824438	7.347168	7.301816	7.244078	7.238506	7.151696	6.919409	6.981695
GSDML	GSDML	7.892094	7.880388	7.57213	8.298213	8.154707	7.861176	7.88776	7.884505	7.988648	7.669258	7.364579	7.485187
GSG1	GSG1	6.903841	7.07885	6.799199	7.064621	6.906673	6.946505	6.871498	6.980162	6.884859	6.959986	6.792206	6.850832
GSG2	GSG2	8.209943	8.049485	7.963698	7.706561	7.411691	7.435529	6.95916	7.107425	6.996875	7.170975	6.895391	6.933808
GSH1	GSH1	6.852396	7.027686	6.702965	7.000048	6.866556	6.91252	6.759117	6.910147	6.86485	6.920263	6.681767	6.835765
GSH2	GSH2	6.898711	6.886139	6.735674	6.980296	6.81605	6.888661	6.921425	6.898049	6.840022	6.800634	6.745183	6.767071
GSK3A	GSK3A	7.247166	7.405207	7.258145	7.560659	7.470566	7.544071	7.439138	7.341904	7.501575	7.558489	7.256625	7.335224
GSK3B	GSK3B	10.26588	10.35283	10.1956	10.38061	9.631201	10.12825	9.591292	9.439443	9.524364	9.396594	8.864916	9.730087
GSN	GSN	7.239819	7.528998	7.624254	7.815148	7.822633	8.130282	8.483374	8.84506	8.625895	8.995705	8.70699	8.604511
GSPT1	GSPT1	12.77067	13.26573	12.55428	12.4853	12.1539	12.56938	11.94966	11.99301	11.9502	11.86508	11.90316	11.87985
GSPT2	GSPT2	11.39794	11.7598	10.60961	10.66499	10.61331	10.97598	10.55022	10.52968	10.47359	10.33639	9.903288	10.27924
GSR	GSR	8.620441	8.709504	7.93557	8.126443	8.048929	8.414375	8.170703	8.133104	8.08081	8.243265	8.104246	8.2181
GSS	GSS	8.211566	8.753625	8.251356	8.484375	8.352092	9.230109	8.626832	8.837586	8.720283	8.707913	8.956543	8.646192
GSTA1	GSTA1	6.972459	7.164001	6.949877	7.364963	7.2707	6.948517	6.849688	6.929708	6.92105	6.945538	6.765581	6.811793
GSTA2	GSTA2	6.918228	7.015138	6.906795	7.566338	7.415106	6.984792	6.925928	6.866427	6.90399	6.977761	6.731072	6.845611
GSTA3	GSTA3	6.865645	7.121604	6.786589	7.027872	6.967215	6.951012	6.954515	6.979119	6.96922	7.004458	6.833673	6.831786
GSTA4	GSTA4	9.096875	9.253959	9.150948	9.325788	9.924173	10.47602	9.957189	9.738661	10.19267	9.852012	9.371691	9.220506
GSTA5	GSTA5	6.907108	7.013756	6.681294	7.030487	6.867832	7.029074	6.881499	6.871282	7.032142	6.9056	6.778735	6.784409
GSTCD	GSTCD	7.099205	7.657362	7.431907	7.758726	7.675121	7.1297	7.107014	7.251121	7.105626	7.104489	6.897262	6.95366
GSTK1	GSTK1	9.57179	9.810259	9.98757	10.61555	10.82101	12.35108	11.75001	11.70537	11.49069	11.67132	11.68712	11.14276
GSTM1	GSTM1	8.941082	9.075516	8.825897	9.739758	10.37464	10.89408	10.68344	10.5003	10.59611	10.4968	9.86284	10.23214
GSTM1L	GSTM1L	6.898465	7.155575	6.792084	6.951945	6.910919	7.019076	6.865374	7.023144	7.00656	6.894793	6.820715	6.867477
GSTM2	GSTM2	8.927622	9.011367	8.892158	9.939903	10.65462	10.72814	10.73281	10.69784	10.79143	10.60584	9.947528	10.31607
GSTM3	GSTM3	7.017355	7.083201	6.979962	7.573689	7.913101	8.366625	8.376336	8.506784	8.701757	8.764905	8.21832	8.824196
GSTM4	GSTM4	7.243832	7.409511	7.002795	7.368033	7.53044	8.132151	7.751877	7.763349	7.718178	7.716893	7.495325	7.535498
GSTM5	GSTM5	6.784483	6.961451	6.79307	7.092201	6.90239	7.02985	6.803524	6.935549	6.834725	6.886218	6.793078	6.779023
GSTO1	GSTO1	10.74376	12.19123	12.61817	12.2883	12.02091	12.72621	12.17288	12.13625	12.27914	12.45922	12.40885	11.80339
GSTO2	GSTO2	8.089456	8.158655	7.297638	7.095432	6.985721	7.236875	6.820471	6.925942	6.956109	7.078219	6.744698	6.743891
GSTP1	GSTP1	13.84036	14.49901	13.67965	13.62446	13.31846	12.94814	12.80225	12.54167	12.77456	12.83899	12.96041	12.61842
GSTT1	GSTT1	6.827114	7.019874	6.754331	6.994577	6.801433	6.931522	6.829703	6.855064	6.920471	6.865722	6.879325	6.730253
GSTT2	GSTT2	7.480298	7.627365	7.668222	7.533144	7.317757	7.465766	7.326901	7.443791	7.305792	7.40773	7.386565	7.17888
GSTZ1	GSTZ1	8.070762	8.510443	7.843587	7.781276	7.731504	8.049165	7.737442	7.569549	7.662746	7.575727	7.332786	7.383906
GTDC1	GTDC1	7.317808	7.508858	7.163007	7.259243	7.328279	7.352778	7.213849	7.340399	7.308633	7.403319	7.235593	7.224852
GTF2A1	GTF2A1	7.146633	7.263517	6.964011	7.132263	7.006575	7.077818	7.002481	7.003064	7.102161	6.975944	6.854999	7.015653
GTF2A2	GTF2A2	11.00132	11.36824	11.34145	11.42083	11.33629	11.98051	11.53922	11.56944	11.7034	11.8499	11.86939	11.19389
GTF2B	GTF2B	9.041114	9.393884	9.225654	9.561331	9.48015	10.41918	9.665898	9.809068	9.787601	9.759904	9.384714	9.279263

GTF2E1	GTF2E1	10.73839	10.91269	9.838952	9.321804	8.936618	9.493739	8.640556	8.738162	8.614612	8.59606	8.654851	8.324101
GTF2E2	GTF2E2	11.37227	11.47218	10.76988	10.95202	11.1118	11.2961	10.93457	10.99434	11.00564	10.89338	11.06845	10.84657
GTF2F1	GTF2F1	9.209722	9.504865	8.987866	9.404171	9.264959	9.664241	8.922064	9.057952	8.831617	8.910437	9.361376	8.782283
GTF2F2	GTF2F2	11.34192	11.58883	11.15596	11.20788	11.04589	11.72101	10.97366	10.95755	11.08232	10.88402	10.7564	10.51559
GTF2H1	GTF2H1	7.263807	7.982573	7.47318	7.979965	8.028952	8.331051	8.178265	7.948048	8.320357	8.043999	7.897378	8.158827
GTF2H2	GTF2H2	7.493852	7.976369	7.427333	7.464752	7.320372	7.440817	7.342873	7.219622	7.352564	7.295057	7.223433	7.40863
GTF2H3	GTF2H3	8.516496	8.957426	8.684987	8.566758	8.489265	8.803808	8.350462	8.319594	8.373699	8.31683	8.164817	8.268741
GTF2H4	GTF2H4	9.409593	9.785788	9.151791	9.372353	9.35731	9.291165	8.722663	8.705579	8.764114	8.756775	8.754013	8.573081
GTF2H5	GTF2H5	10.42042	11.31514	11.23909	10.99916	11.22978	11.84215	11.59609	11.51924	11.75438	11.57419	11.5936	10.96498
GTF2I	GTF2I	7.627832	7.847291	7.454205	7.64047	7.554827	7.765077	7.525391	7.549507	7.538169	7.556527	7.323863	7.424154
GTF2IP1	GTF2IP1	10.18886	10.52104	10.45183	10.33331	9.915439	10.07719	9.837963	9.743259	9.830749	9.677186	9.367115	9.666079
GTF2IRD1	GTF2IRD1	7.995487	8.173291	7.731079	8.297129	8.014822	7.861861	7.509911	7.691471	7.501902	7.534324	7.356848	7.471981
GTF2IRD2	GTF2IRD2	8.076747	8.703428	8.413278	8.386034	8.315341	8.746071	8.438189	8.596094	8.584373	8.723407	8.565987	8.158588
GTF2IRD2	GTF2IRD2	7.584226	8.075421	7.669999	7.785567	7.833093	8.018294	7.800248	7.931687	7.861581	7.989512	7.90036	7.6195
GTF2IRD2	GTF2IRD2	6.890626	7.106975	6.846595	7.135588	7.153447	7.631025	7.363631	7.499833	7.414986	7.587187	7.282375	7.363003
GTF3A	GTF3A	11.57225	11.56152	10.88834	11.15473	11.1204	11.90075	11.52258	11.6064	11.61431	11.8596	11.78095	11.42165
GTF3C1	GTF3C1	8.92149	9.129617	8.603559	9.112585	8.602187	9.057493	8.411143	8.706271	8.333821	8.521341	8.753314	8.228051
GTF3C2	GTF3C2	10.61817	10.98868	10.2478	10.22129	9.907064	9.796576	9.30618	9.434318	9.445822	9.254767	9.356432	9.180928
GTF3C3	GTF3C3	9.805806	10.27897	10.08457	10.41034	10.03195	10.58682	9.757567	9.855167	9.832559	9.871821	9.772341	9.809453
GTF3C4	GTF3C4	7.14089	7.263366	7.04732	7.328467	7.197987	7.110723	7.025712	7.115238	6.905739	7.252071	6.980807	7.062756
GTF3C5	GTF3C5	9.281737	9.582372	9.180673	9.380481	8.888632	9.267384	8.81399	8.968903	8.663755	8.878361	8.835373	8.963055
GTPBP1	GTPBP1	7.143036	7.180393	6.920601	7.177253	7.143047	7.168713	7.080753	7.146754	7.11799	7.293597	7.116721	7.095293
GTPBP10	GTPBP10	7.199146	7.669559	7.16395	7.452403	7.232063	7.564516	7.121837	7.211817	7.227382	7.134052	6.986041	7.076709
GTPBP2	GTPBP2	7.192549	7.502374	7.161287	7.360366	7.262801	7.527453	7.161322	7.151551	7.231356	7.260727	7.206002	7.328814
GTPBP3	GTPBP3	9.809091	9.870768	8.946012	9.219827	9.134696	8.984077	8.564869	8.425026	8.48853	8.264623	8.119459	8.26137
GTPBP4	GTPBP4	11.34648	11.82367	11.16867	11.19315	10.67254	11.57791	10.70615	10.6391	10.58887	10.4167	10.57199	10.63166
GTPBP5	GTPBP5	7.021049	7.344314	6.828525	7.122152	7.13222	7.125398	7.106305	7.112287	6.954268	7.075429	6.883185	7.075647
GTPBP6	GTPBP6	11.20979	11.67494	11.10132	11.33404	11.35145	11.62748	11.09475	11.0354	11.11869	11.1529	10.60965	11.18685
GTPBP8	GTPBP8	9.030293	9.650599	9.031271	9.389369	9.367537	10.20429	9.280215	9.186593	9.345151	9.155333	8.973363	8.574588
GTPBP9	GTPBP9	6.828232	7.077565	6.778157	7.075833	6.951972	6.979487	6.934364	6.921712	6.930669	6.928553	6.726319	6.879989
GTSCR1	GTSCR1	6.94979	7.075374	6.874221	6.981517	6.92495	7.065333	6.92731	6.937211	6.887638	6.883747	6.822856	6.851194
GTSE1	GTSE1	8.446662	8.906758	8.210723	8.555953	8.304191	7.903786	7.790018	7.683234	7.604152	7.464804	7.261205	7.166742
GUCA1A	GUCA1A	8.60653	9.009429	7.330955	7.259653	7.311584	7.183432	7.196063	7.197181	7.154986	7.129792	6.968663	7.01857
GUCA1B	GUCA1B	7.294884	7.223524	7.009128	7.343675	7.396653	7.661946	7.525212	7.578521	7.677915	7.629653	7.632554	7.782706
GUCA1C	GUCA1C	7.023454	7.235425	6.826186	7.101621	7.105887	7.259077	7.036682	7.192007	6.963217	7.034643	6.940514	6.883316
GUCA2A	GUCA2A	7.089039	7.310525	6.943733	7.213905	7.137161	7.042234	6.893895	7.035921	6.957048	7.093648	6.893111	6.892588

GUCA2B	GUCA2B	6.895111	7.04392	6.752231	6.993904	7.064531	6.970002	6.808154	6.927204	6.811202	6.906442	6.822705	6.87285
GUCY1A2	GUCY1A2	6.992885	7.225393	6.952564	7.169619	7.178517	7.650701	7.319499	7.580614	7.354383	7.810853	7.507598	7.427552
GUCY1A3	GUCY1A3	6.916436	7.099381	7.56307	10.43547	11.22425	10.20671	9.513095	9.76303	9.518113	9.221012	8.909921	8.880782
GUCY1B2	GUCY1B2	6.932707	7.169834	6.800956	6.972929	6.956575	6.942049	6.882364	6.978347	6.858988	6.952061	6.802472	6.77546
GUCY1B3	GUCY1B3	7.136166	7.333068	6.892326	7.249389	7.296849	7.538667	7.340636	7.521576	7.411371	7.446863	7.202992	7.280778
GUCY2C	GUCY2C	7.139728	7.294043	6.988958	7.002508	6.964351	7.088826	6.817576	6.916379	6.838553	6.789897	6.723851	6.874288
GUCY2D	GUCY2D	7.025168	7.166052	6.869401	7.191368	7.102877	7.280573	6.990498	7.008336	7.123164	7.110351	6.846305	6.926727
GUCY2F	GUCY2F	7.025847	7.081734	6.952293	7.129868	7.098206	6.955893	6.966772	6.987929	6.93707	6.964997	6.833498	6.859286
GUF1	GUF1	8.823113	9.260383	8.819529	8.797331	8.316271	8.839406	8.340519	8.293605	8.303179	8.324526	8.09316	8.147506
GUK1	GUK1	9.815834	10.09757	10.03004	10.5004	10.61166	11.09585	11.08037	11.17012	11.17679	11.35841	11.5161	11.39644
GULP1	GULP1	9.353382	9.586488	7.774861	8.43323	8.474783	8.607319	7.754865	7.9083	7.603084	7.746202	8.003788	8.202128
GUP1	GUP1	7.198649	7.314861	7.122831	7.311541	7.182796	7.300129	7.324458	7.546668	7.665646	8.091774	7.421387	9.008966
GUSB	GUSB	10.01703	10.19691	9.657454	9.7236	9.537015	9.161929	8.927167	8.944076	8.999264	8.896644	8.808494	8.809661
GUSBL1	GUSBL1	8.261872	8.805722	8.127571	8.141307	7.896554	7.786674	7.650937	7.576172	7.744932	7.530585	7.144059	7.190892
GUSBL2	GUSBL2	7.460615	7.981489	7.630205	7.947689	7.947199	7.922286	7.661635	7.596432	7.917034	7.741012	7.549594	7.383146
GVIN1	GVIN1	6.991618	7.40794	7.131793	7.380271	7.106344	7.027714	6.950351	6.917789	6.977931	6.92285	6.63922	6.860072
GYG1	GYG1	10.43444	10.90963	9.651656	10.2434	11.17876	12.99155	12.2967	12.35861	12.16962	12.47686	12.07016	11.98258
GYG2	GYG2	9.358425	9.485062	8.829747	9.468958	9.208169	8.584251	8.063996	8.006755	7.871011	7.560046	7.42614	7.259521
GYLTL1B	GYLTL1B	8.014463	7.763324	6.953647	7.140357	7.080727	7.196289	7.006864	7.033264	7.115944	7.070774	6.868905	6.908701
GYPA	GYPA	6.832813	6.976108	6.743866	6.972299	6.936418	6.885924	6.896889	6.913679	6.842374	6.853571	6.715887	6.729397
GYPB	GYPB	6.753101	6.922932	8.028472	7.394204	6.990714	6.874327	6.719468	6.875273	6.815202	6.89521	6.792108	6.69628
GYPC	GYPC	8.222127	8.623254	8.990987	9.590087	9.576771	9.453972	8.799223	8.54634	8.68364	8.278414	8.560273	8.158653
GYPE	GYPE	6.816458	6.987187	9.263056	7.688621	7.072891	7.077717	6.911748	6.933679	6.900344	6.9325	6.734813	6.81874
GYS1	GYS1	7.681468	7.941178	7.435487	8.160488	8.325092	9.058318	8.708434	8.943333	8.595819	9.003012	9.210847	8.823076
GYS2	GYS2	6.803705	7.135013	6.803131	6.98432	6.927559	6.934047	6.878008	6.928536	6.834802	6.883413	6.85657	6.850271
GZMA	GZMA	6.854966	7.042009	6.896889	7.112091	6.984822	6.972052	7.019681	6.971266	6.948246	6.955968	6.693476	7.094292
GZMB	GZMB	6.723227	7.054252	6.785089	7.071166	6.900684	6.96782	6.932153	6.87688	6.876952	6.977527	6.733119	6.8133
GZMH	GZMH	6.832393	7.055994	7.045132	7.622095	7.514237	8.477926	7.920031	7.601185	7.396602	7.312747	7.072281	7.065903
GZMK	GZMK	6.918322	7.149568	6.870684	7.076318	6.938488	7.017258	6.905488	6.964905	6.904541	6.873398	6.802082	6.854361
GZMM	GZMM	6.845464	6.927512	6.747567	6.979457	6.929683	6.831595	6.833156	6.930468	6.834965	6.928265	6.695407	6.842885
H19	H19	6.988179	7.05498	6.760857	7.207858	7.266912	7.202982	7.445205	7.791455	7.76126	8.418248	9.585204	9.427199
H1F0	H1F0	11.31983	10.11101	9.717568	10.4174	10.17821	9.49818	9.722977	9.454399	9.925967	9.942707	10.04737	9.888069
H1FOO	H1FOO	6.82352	6.997814	6.725647	6.953524	6.864737	6.858947	6.878571	6.919911	6.890962	6.897735	6.74205	6.880331
H1FX	H1FX	9.365908	9.297731	8.907245	9.504731	9.367958	9.741675	8.887336	8.912413	8.876315	9.232718	9.235791	9.19521
H1T2	H1T2	6.931845	7.167061	6.859739	7.047056	7.033437	7.00141	6.833637	7.008191	6.957237	7.033319	6.756269	6.833385
H2AFB1	H2AFB1	6.813509	6.956303	6.835001	6.950077	6.877767	6.889062	6.753856	6.874073	6.78227	6.781834	6.733862	6.771925

H2AFB2	H2AFB2	6.98689	7.189716	6.956573	7.17579	7.020374	7.075562	6.952398	6.970098	6.989686	7.012324	6.795897	6.894779
H2AFB3	H2AFB3	6.82033	6.889074	6.745571	6.954222	6.779229	6.895349	6.741848	6.854294	6.733976	6.825665	6.685202	6.748255
H2AFJ	H2AFJ	8.621628	9.043258	8.325762	8.962186	8.948481	9.014912	8.73521	8.489866	8.707038	8.711711	8.90982	8.687644
H2AFV	H2AFV	7.432798	7.667321	7.498828	7.874562	7.76428	7.954486	7.819906	7.740937	7.925822	7.753264	7.50495	7.818676
H2AFX	H2AFX	9.844028	10.4941	9.973162	10.23778	9.734489	9.561119	9.04069	9.11199	8.876816	8.934676	8.806669	7.968445
H2AFY	H2AFY	10.76321	11.01814	11.5052	11.86205	11.69411	11.84166	11.54457	11.44218	11.40532	11.29263	11.15997	11.16332
H2AFY2	H2AFY2	10.32719	10.64217	13.03725	12.40178	11.97504	12.22912	11.33311	11.50963	11.27425	11.14523	10.9813	10.5395
H2AFZ	H2AFZ	14.30492	14.81954	14.31842	14.17585	13.83124	13.72759	13.24698	13.22107	13.28024	13.19848	12.96846	12.14525
H2BFM	H2BFM	7.057525	7.429967	7.122809	7.423615	7.151603	7.452771	7.198736	7.224955	7.334701	7.312669	7.070245	7.185825
H2BFS	H2BFS	7.942564	8.505239	8.482227	8.256751	8.737099	10.20906	9.514208	9.512039	9.440216	9.117873	8.892113	8.183554
H2BFWT	H2BFWT	6.870497	7.051413	6.716898	6.938269	6.85196	6.875083	6.847949	6.869944	6.851524	6.887307	6.699061	6.741344
H2BFXP	H2BFXP	6.844268	7.05319	6.867806	7.035727	6.974742	6.975047	6.875009	6.939362	6.851488	6.993593	6.755055	6.878411
H3F3A	H3F3A	14.70562	15.15882	14.67186	14.80332	14.70561	14.7355	14.65279	14.765	14.76982	14.72567	14.46401	13.95729
H3F3B	H3F3B	11.10202	10.37851	10.81736	12.02488	10.67704	11.07323	9.536435	9.452173	9.798415	9.556202	9.251337	9.246561
H6PD	H6PD	7.057432	7.089006	7.021403	7.293708	7.336536	7.257261	7.063145	7.108281	7.148587	7.143379	6.884552	7.197979
HAAO	HAAO	7.104784	7.347426	6.971492	7.257315	7.2092	7.255634	7.077244	7.117481	7.082459	7.23005	7.072669	7.010112
HABP2	HABP2	6.984719	7.016027	6.871675	7.300619	7.195264	6.93718	6.851869	6.932086	6.930322	6.949994	6.772948	6.839642
HABP4	HABP4	8.004066	8.296178	8.026673	8.512521	8.675004	9.706726	9.036559	9.118376	9.087723	9.183791	9.024351	9.042432
HACE1	HACE1	7.292019	7.444051	7.126457	7.462644	7.279086	7.422663	7.217934	7.253289	7.269445	7.316681	7.05364	7.123141
HADH2	HADH2	9.025826	9.368132	8.935713	9.215659	9.002334	9.319886	8.956517	8.95664	8.8028	9.04768	8.852708	8.441723
HADHA	HADHA	8.572922	8.878902	8.510291	8.925292	9.213055	10.25795	9.835376	9.661147	9.677524	9.796808	9.226213	9.416399
HADHB	HADHB	8.459377	8.911739	8.388673	8.751013	9.189089	10.62389	10.34666	10.34229	10.37907	10.64276	10.19221	10.46162
HADHSC	HADHSC	11.56756	11.78116	11.22744	11.47985	11.54266	12.30116	12.05437	12.02962	12.07917	12.21962	11.43754	11.81946
HAGH	HAGH	8.97007	9.004871	8.852295	9.504085	9.835611	10.91712	10.79543	10.91089	10.92564	11.16388	10.81208	10.77789
HAGHL	HAGHL	7.434706	7.380624	7.09891	7.253804	7.289722	7.766571	7.411817	7.43421	7.449021	7.568578	7.4515	7.652756
HAK	HAK	7.025643	7.135836	11.40545	12.41262	12.26995	13.2067	13.04912	12.96699	12.17736	12.63468	11.76767	11.86069
HAL	HAL	6.934703	7.076058	6.786923	7.017653	6.938415	6.969768	6.873052	6.943867	6.894725	6.958938	6.793722	6.805147
HAMP	HAMP	6.884149	7.143634	6.780968	7.160019	7.081058	7.756457	7.955755	7.726769	8.332022	8.539137	9.052771	8.914132
HAND1	HAND1	6.940262	7.627248	13.04809	14.70789	14.62902	14.15612	12.99735	12.76195	12.19129	12.07709	11.34159	11.33648
HAND2	HAND2	6.790859	6.999797	6.856161	8.610623	8.85457	9.191463	9.129531	9.26774	9.1875	9.248133	8.819892	8.863089
HAO1	HAO1	6.957248	7.130854	6.827895	7.114641	6.997477	7.07014	6.952216	6.975414	7.014208	7.033275	6.786046	6.931434
HAO2	HAO2	6.889243	7.0654	6.758864	7.018238	6.892152	7.015069	6.883617	6.86204	6.923192	6.941407	6.843741	6.769749
HAP1	HAP1	6.926662	7.102989	6.846624	7.004029	6.959025	7.085733	6.924948	6.896773	6.930274	6.912175	6.830295	6.869876
HAPLN1	HAPLN1	7.034953	7.254061	10.75566	12.3989	10.21922	9.637985	8.722829	9.020289	8.351378	7.802429	8.550436	7.662429
HAPLN2	HAPLN2	6.847818	7.117057	6.86268	7.050054	6.905887	6.987921	6.899291	6.937731	6.997844	7.025258	6.824461	6.855478
HAPLN3	HAPLN3	8.771208	8.112501	7.184553	8.056437	7.818473	7.295007	6.968965	7.149333	6.893725	7.209582	6.956124	6.885991

HAPLN4	HAPLN4	8.420137	8.590026	7.920226	8.107537	7.750974	7.466019	7.240768	7.205835	7.172843	7.131698	6.862697	6.997052
HARS	HARS	10.34218	10.76575	10.29755	10.72853	10.49195	11.04987	10.71985	10.60157	10.68267	10.72135	10.52018	10.57524
HARS2	HARS2	9.679265	9.590788	9.101736	8.829253	8.859217	8.774492	8.275268	8.313904	8.539092	8.390701	8.74883	8.492623
HARSL	HARSL	10.31589	10.79653	10.44367	10.5539	10.56565	11.13432	10.5803	10.42203	10.49498	10.26051	9.787376	10.03635
HAS1	HAS1	6.990199	7.025285	6.936203	7.007301	7.000369	7.094453	6.802747	6.943145	6.853016	6.92112	6.763068	6.839393
HAS2	HAS2	7.018441	7.617899	9.605221	9.783226	8.929378	8.398399	7.718159	7.45992	7.468121	7.163373	7.265862	7.447918
HAS3	HAS3	9.018657	9.289323	8.430055	7.432315	7.151487	7.218571	6.977841	7.039043	6.960678	7.022845	6.812146	6.889502
HAT1	HAT1	9.476469	10.06247	9.65959	9.288791	8.976215	9.810343	9.377528	9.297159	9.489887	9.370883	9.08821	8.97553
HAVCR1	HAVCR1	6.769757	6.902264	6.7071	6.983689	6.942926	6.89917	6.871081	6.876661	6.805449	6.907668	6.75326	7.043899
HAVCR2	HAVCR2	6.955291	7.16432	6.940243	7.361959	7.101636	7.317846	7.037778	6.981246	7.071516	6.974084	6.922247	7.005082
HAX1	HAX1	8.580445	9.141249	8.521567	8.784425	8.809155	9.755231	9.443029	9.306898	9.569378	9.641069	9.186153	9.594428
HB-1	HB-1	6.798449	7.109179	6.747309	7.046225	7.006049	6.934316	6.78651	6.860119	6.856731	6.907107	6.823136	6.831857
HBA1	HBA1	7.230638	7.601076	6.86003	7.019961	7.0031	7.095873	6.869637	6.954907	6.996438	6.959496	6.913072	6.832903
HBA2	HBA2	7.199932	7.560935	6.938186	7.122821	7.071775	7.076827	6.917135	6.952656	6.838299	7.027644	6.751858	6.959561
HBB	HBB	6.947882	7.101666	6.930195	7.003179	6.89904	7.11374	6.755311	7.011018	6.835753	6.983973	6.75635	6.968928
HBBP1	HBBP1	6.973981	7.103471	6.914324	7.210658	7.008877	7.183171	7.013946	7.040087	7.004427	7.05912	6.886044	6.982152
HBD	HBD	6.816512	7.108638	6.848104	6.965609	7.106167	7.132188	6.940674	7.000377	6.94252	6.918449	6.831324	6.786212
HBE1	HBE1	6.863497	6.942382	6.972389	7.277199	7.16026	6.894913	6.885218	6.829023	6.86027	6.914372	6.737806	6.662658
HBEGF	HBEGF	7.951853	7.758726	7.242806	8.258536	8.068608	10.17529	9.839722	10.69697	10.08788	11.07103	10.86663	9.975491
HBG1	HBG1	6.874551	7.177687	7.138246	7.085796	7.082216	7.035344	6.936021	6.991914	7.140145	7.019474	6.796378	6.928187
HBG2	HBG2	6.784755	7.170547	6.851786	7.069311	6.988628	6.912024	6.863979	6.964406	6.923228	6.881883	6.68843	6.792895
HBII-13	HBII-13	7.231564	7.274709	6.927092	7.16709	7.002902	7.11121	7.087074	7.030251	6.958525	6.991197	6.784452	6.88782
HBII-429	HBII-429	7.720709	8.103614	7.472778	7.617093	7.353462	7.510613	7.10193	7.107179	7.260828	7.240324	7.077657	7.074735
HBII-437	HBII-437	7.789001	7.69589	7.100417	7.335985	7.173453	7.501495	7.211908	7.243693	7.167332	7.098344	6.791654	7.051524
HBII-438B	HBII-438B	8.136935	8.744316	7.579644	7.586589	7.521859	7.917836	7.577628	7.524473	7.377308	7.464209	6.921254	7.290706
HBLD2	HBLD2	8.789731	8.867521	8.485858	8.826434	8.639835	9.358979	8.796701	8.990973	8.716202	8.879174	8.83493	8.614105
HBM	HBM	6.873514	7.11506	6.77274	7.047603	6.936498	6.906239	6.834379	6.898897	6.894715	7.008277	6.807418	6.960658
HBP1	HBP1	8.81674	9.567651	9.065504	9.384211	9.514715	10.34817	9.894943	9.995404	9.932777	10.0213	9.495438	9.715909
HBQ1	HBQ1	7.869357	7.440533	7.066082	7.379667	7.383379	7.633404	7.265432	7.255093	7.187082	7.194153	7.030142	6.893231
HBS1L	HBS1L	6.918416	7.191853	6.938968	7.208569	7.119198	7.021386	7.091772	7.006157	7.081009	6.94816	6.85224	6.856885
HBXAP	HBXAP	7.152399	7.390737	7.065494	7.299735	7.246098	7.443658	7.029363	7.135229	7.081049	7.203113	7.052375	7.223056
HBXIP	HBXIP	10.80559	11.34278	10.89893	11.41803	11.64315	12.47993	12.14654	12.1611	12.17925	12.40676	12.30608	11.9072
HBZ	HBZ	6.920316	7.124727	6.763821	7.075546	6.989111	7.045856	6.888469	6.861807	6.98335	7.002859	6.722798	6.829182
HCA112	HCA112	6.844842	7.016146	6.785335	6.926074	7.113848	7.222468	8.480767	9.135836	9.070088	9.975395	10.49282	10.23802
HCAP-D3	HCAP-D3	8.703074	8.803744	8.46498	8.455424	7.854381	7.540779	7.405207	7.418479	7.343031	7.314814	7.157899	7.076702
HCAP-G	HCAP-G	10.8099	11.23411	10.94483	10.94713	10.08563	9.716218	9.445147	9.145159	9.128096	8.981135	8.371644	7.725346

HCAP-H2	HCAP-H2	7.441286	7.673315	7.289131	7.551355	7.400729	7.46439	7.457953	7.405256	7.33718	7.364346	7.095633	7.186938
HCCA2	HCCA2	7.565365	7.92007	7.619765	8.07081	7.872169	8.112983	8.010262	8.223377	8.16643	8.373854	8.365021	8.28504
HCCS	HCCS	8.046399	8.420852	7.876709	8.137574	8.156416	9.475118	9.000059	9.062363	8.798099	9.002834	8.852115	8.888583
HCFC1	HCFC1	12.33544	12.5586	11.80791	11.99592	11.57984	11.28946	10.93997	10.73697	10.91852	10.56201	10.44553	10.76153
HCFC1R1	HCFC1R1	9.763026	10.18152	9.057404	9.753507	10.02055	9.733708	9.822777	9.931696	9.986317	10.25631	10.20388	10.0078
HCFC2	HCFC2	6.815457	7.260652	7.058219	7.626412	7.713502	8.034583	7.632307	7.72187	7.910982	7.869914	7.728076	8.05734
HCG18	HCG18	7.440595	7.667791	7.361396	7.499262	7.161758	7.290017	7.10296	7.044702	7.12994	7.033845	6.941792	6.923194
HCG22	HCG22	6.826678	7.044596	6.789554	6.955811	6.918782	6.965925	6.913493	6.986249	6.875485	6.894707	6.766054	6.831494
HCG27	HCG27	6.84804	7.251884	6.935814	7.072834	7.124398	7.501471	7.562996	7.670797	7.425853	7.667576	7.118737	6.974301
HCG2P7	HCG2P7	10.33565	11.2181	10.5027	10.768	11.04448	10.8582	10.95925	10.60989	10.73157	10.73664	10.58548	10.49276
HCG3	HCG3	6.944356	7.129277	6.887508	7.073775	6.82027	7.099544	6.853569	6.905448	6.900929	6.937615	6.770205	6.768991
HCG4	HCG4	6.997011	7.136803	6.84164	6.993158	6.998657	7.018039	6.86557	7.004532	6.872971	6.916226	6.878609	7.009264
HCG4P6	HCG4P6	6.833446	7.002292	6.817967	7.03058	6.845747	6.890399	6.847629	6.927105	6.894015	6.915711	6.696153	6.81908
HCG9	HCG9	6.816634	6.972034	6.734599	6.973709	6.991969	7.041862	6.884487	6.982639	7.00006	6.922414	6.9135	6.907864
HCK	HCK	7.11221	7.169147	6.829718	7.144112	6.95698	6.933334	7.055046	7.03026	7.04585	6.867013	6.918389	6.853176
HCLS1	HCLS1	7.023473	7.14541	7.061779	7.00822	7.085875	7.118482	6.887152	6.986586	6.849849	6.81144	6.8172	6.936327
HCN1	HCN1	7.089127	7.159316	6.863005	7.262297	7.139232	7.46466	7.071018	7.074131	7.138263	6.977999	6.897555	6.988425
HCN2	HCN2	6.783896	7.047635	6.761727	6.976065	6.929371	6.944186	6.880974	6.932448	6.944592	6.892571	6.782321	6.851305
HCN3	HCN3	7.572432	7.729301	7.337365	7.866466	7.718431	7.627273	7.510217	7.51758	7.812656	7.495959	7.112523	7.113856
HCN4	HCN4	7.144285	7.443637	7.133576	7.234654	7.185534	7.46862	7.370531	7.34111	7.293244	7.339825	6.933319	7.168757
HCP1	HCP1	7.038026	7.395293	6.923825	7.370101	7.316794	7.118277	6.983013	7.184029	7.043442	7.057171	6.980604	6.887542
HCP5	HCP5	8.615598	8.335804	7.323701	7.195587	7.039859	7.08842	7.478922	8.090783	8.447317	9.402726	10.03464	10.01507
HCRT	HCRT	6.963441	7.090125	6.959065	7.362106	7.018759	7.092985	6.898634	6.979219	6.925898	7.08377	6.898482	6.854643
HCRTR1	HCRTR1	6.858456	7.027979	6.785203	7.027819	6.854947	6.940891	6.854813	6.929744	6.82883	6.922683	6.772111	6.800221
HCRTR2	HCRTR2	6.951728	7.305069	6.967849	7.268215	7.242141	7.228764	6.997991	7.078053	7.008116	7.037273	6.833852	6.951826
HCST	HCST	7.15538	7.495348	7.155379	7.298506	7.448964	7.459355	7.416234	7.331349	7.263578	7.352396	7.161366	7.137633
HCTSL-S	HCTSL-S	6.910705	7.178406	6.847708	7.061305	6.918542	7.050515	6.952642	7.04873	7.006731	6.947143	6.75885	6.936824
HDAC1	HDAC1	12.10706	12.5822	12.48723	12.5224	12.22547	11.55367	11.32044	11.23587	11.15001	11.05837	10.94045	10.64549
HDAC10	HDAC10	7.007563	7.187702	6.89543	7.197828	7.173379	7.084126	7.033835	6.954514	6.996429	6.988787	6.930543	6.881579
HDAC11	HDAC11	6.965047	7.394386	7.050212	7.30371	7.240822	7.394019	7.405209	7.380706	7.251486	7.492887	7.191507	7.305771
HDAC2	HDAC2	12.72016	12.88572	12.55224	12.70764	12.54203	12.57577	12.01403	11.69926	11.93875	11.65039	11.20077	11.31656
HDAC3	HDAC3	10.25134	10.55345	9.790959	9.956957	9.757076	9.611004	9.513831	9.58195	9.406177	9.538687	9.452369	9.203421
HDAC4	HDAC4	8.3573	8.604809	7.914066	8.402415	8.650917	7.840346	7.732153	7.508013	7.807854	7.541577	7.415626	7.540926
HDAC5	HDAC5	7.082602	7.28071	7.053304	7.216091	7.152965	7.480391	7.396859	7.464788	7.299346	7.280213	7.099523	7.052073
HDAC6	HDAC6	7.873034	8.360098	8.205548	8.822065	8.808397	8.635929	8.414624	8.378175	8.462132	8.386255	8.101796	7.99709
HDAC7A	HDAC7A	7.14373	7.289363	6.998815	7.308535	7.052342	7.088723	7.077263	7.115498	7.045873	7.058374	7.110378	6.996954

HDAC8	HDAC8	7.554703	7.639291	7.490067	7.955471	7.754487	8.001742	7.788005	7.813751	7.72898	7.758595	7.54149	7.753307
HDAC9	HDAC9	6.970334	7.201726	6.839604	7.026178	6.94172	7.173758	7.077491	7.164813	7.099612	7.164836	7.072614	7.229703
HDC	HDC	6.947802	7.076084	7.836823	7.29654	6.90666	6.949519	6.82229	6.950069	6.891008	6.881757	6.817814	6.781081
HDCMA18	HDCMA18	8.869851	9.164522	9.99595	9.726195	9.702426	10.67488	10.11746	10.13511	10.23424	9.992275	9.628243	9.841775
HDDC2	HDDC2	12.39445	12.66943	12.28466	12.23278	12.2489	12.74044	12.45505	12.09048	12.49303	12.29683	11.69618	11.48061
HDDC3	HDDC3	8.530802	8.932313	8.008404	8.125908	8.359639	8.83282	8.507849	8.533417	8.318651	8.430335	8.236067	8.152431
HDGF	HDGF	10.41059	10.60541	10.17973	10.393	10.01517	10.30065	9.908039	9.905723	9.89618	9.938681	9.820214	9.375974
HDGF2	HDGF2	9.038344	9.386012	8.918138	9.147751	8.903136	9.151301	8.748942	8.888766	8.816836	8.748783	8.920478	8.55239
HDGFL1	HDGFL1	6.851482	7.057797	6.842425	7.026976	6.95509	6.925253	6.928371	6.974608	6.943331	6.903861	6.746349	6.961484
HDGFRP3	HDGFRP3	9.74151	10.1284	9.712174	9.864933	9.421124	9.940033	9.590889	9.356041	9.570502	9.322873	9.010004	9.293931
HDHD1A	HDHD1A	9.177653	9.299601	8.842251	9.372426	9.250586	9.95586	9.589389	9.535884	9.414004	9.488202	9.184301	9.107332
HDHD2	HDHD2	9.091586	9.913317	8.953532	9.383651	9.357054	10.36525	10.04077	9.578668	10.02341	9.887408	8.802576	9.496138
HDHD3	HDHD3	7.594911	7.944256	7.636355	8.265354	8.26157	8.377975	8.316063	8.029715	8.123083	8.08109	7.62511	7.911975
HDLBP	HDLBP	7.333097	7.612541	7.223312	7.439123	7.294297	7.420377	7.208772	7.365448	7.211566	7.357972	7.156533	7.155411
HEAB	HEAB	8.849972	9.209584	8.901343	8.83083	8.563169	9.129628	8.419932	8.600396	8.400458	8.3311	8.320224	8.331566
HEATR1	HEATR1	11.30916	11.71073	10.95832	10.57558	10.21722	9.473095	8.920049	9.007044	9.109827	8.934677	9.069713	9.126194
HEATR5B	HEATR5B	8.143544	8.631643	8.314759	8.746947	8.701628	9.533452	9.08464	9.462155	8.992088	9.22568	8.834751	8.645123
HEBP1	HEBP1	10.71742	10.27086	8.97119	9.465263	9.94802	11.25024	10.28636	9.910482	9.99853	9.910877	9.487139	9.624444
HEBP2	HEBP2	10.63796	11.44974	11.32564	10.7145	10.65801	11.17328	11.32539	10.8502	11.48192	11.43603	11.10995	11.27133
HECA	HECA	7.476915	7.581297	7.350845	7.654516	7.725755	8.074654	8.385475	8.308744	8.442332	8.517918	7.973404	8.752924
HECTD1	HECTD1	10.52762	10.83613	10.67315	11.25943	11.15213	11.36616	10.75039	11.04346	10.71733	10.78071	10.80269	10.86888
HECTD2	HECTD2	7.316821	7.587097	7.38552	7.808296	7.670285	8.357948	7.797533	7.840108	7.840658	7.806486	7.493641	7.731268
HECTD3	HECTD3	8.895006	9.144611	8.707758	8.745767	8.454342	8.560943	8.428563	8.301596	8.533437	8.550116	8.378516	8.598281
HECW1	HECW1	6.958219	7.139984	6.769963	7.073479	7.001328	6.946401	6.919461	6.905824	6.811601	6.922937	6.650534	6.878454
HECW2	HECW2	7.372755	7.640344	8.439085	8.630401	7.622483	7.78082	7.932037	8.51004	8.196591	8.554603	8.404205	7.860562
HEG1	HEG1	7.259541	7.892898	8.210298	9.306585	8.939441	9.566784	9.130015	9.323378	9.300992	9.531366	9.641011	9.579626
HEL308	HEL308	7.347766	7.835789	7.547737	7.982419	8.049428	8.696435	8.075767	8.138068	8.007776	7.996236	7.97703	8.135571
HELB	HELB	7.25025	7.421225	7.062995	7.298392	7.154341	7.191002	7.079305	7.075771	7.175526	7.084563	6.868106	6.978616
HELLS	HELLS	10.12391	10.71953	9.69283	9.275861	8.404683	8.209756	7.861676	7.743358	7.765271	7.691118	7.238144	7.171899
HELT	HELT	6.966112	7.166372	6.798246	7.042733	6.878317	6.963394	6.923853	6.996866	6.823958	7.003086	6.704201	6.893006
HELZ	HELZ	8.431086	9.002525	8.490904	9.30649	9.080593	9.203514	8.436829	8.402326	8.302859	8.340409	8.255456	8.506882
HEM1	HEM1	7.059675	7.177499	6.796135	7.142273	6.913559	7.121968	6.901979	7.007814	6.985833	6.998034	6.972358	6.997769
HEMGN	HEMGN	6.828773	7.07156	6.812661	7.047058	6.959659	6.934625	6.910764	6.916658	6.89675	6.917689	6.791945	6.942509
HEMK1	HEMK1	7.014467	7.326575	7.035764	7.42304	7.499829	7.282493	7.213924	7.22766	7.138696	7.200791	6.968418	6.96111
HEPACAM	HEPACAM	6.880289	7.078735	6.860726	7.048339	7.003407	7.001904	6.91054	6.970669	6.854634	6.851956	6.802479	6.807691
HEPH	HEPH	8.384667	8.943806	8.55648	9.288607	8.74424	9.577824	9.436109	9.528638	9.304017	9.553778	8.869149	9.289987

HERC1	HERC1	8.665342	9.028278	8.383982	9.25259	9.082163	9.435055	9.178887	9.385388	9.114404	9.115419	8.938411	8.830489
HERC2	HERC2	9.550465	9.527904	9.004184	9.110371	8.811785	8.897875	8.62367	8.624013	8.670094	8.67488	8.547338	8.575231
HERC2P2	HERC2P2	7.105527	7.288492	6.996019	7.275556	7.208905	7.246582	7.112729	7.218035	7.139789	7.228236	6.989935	7.024964
HERC2P4	HERC2P4	6.842692	7.098496	6.825817	7.112473	7.005065	7.053456	6.930231	6.94993	6.927399	6.898751	6.743025	6.860683
HERC3	HERC3	6.976338	7.021446	7.067401	7.259008	7.442721	8.159308	7.620677	7.878375	7.721429	7.844698	7.757525	7.900758
HERC4	HERC4	8.177425	9.333431	8.082248	8.459316	8.36949	8.891713	8.344645	8.495995	8.23221	8.297774	8.671788	8.425595
HERC5	HERC5	11.15779	11.21686	10.39895	9.907067	9.422383	9.888111	9.056979	8.74058	8.864204	8.500191	7.715463	8.622788
HERC6	HERC6	8.022373	8.533359	8.054873	7.977406	8.248839	9.104701	9.459811	9.472389	9.133855	9.145699	8.55894	8.830943
HERPUD1	HERPUD1	8.726637	8.961989	8.74611	9.385123	9.624471	9.992087	9.79787	10.1878	10.35793	10.18175	10.8453	10.9006
HERPUD2	HERPUD2	7.606439	7.889106	7.581152	8.192203	8.265545	7.974615	7.725227	7.769374	7.708229	7.752044	7.663192	7.847646
HERV-FRI	HERV-FRI	7.069446	7.18241	6.935213	7.177467	7.055195	7.198486	7.099098	7.038637	6.912506	7.046434	6.94174	6.879564
HES1	HES1	7.595498	7.516336	7.875386	8.093215	8.197891	8.582589	7.955232	7.986159	8.094771	8.346649	8.264954	8.071453
HES2	HES2	6.994057	7.096311	6.907989	7.076895	6.947975	6.967794	6.872162	6.925861	6.853079	6.948961	6.847022	6.821521
HES3	HES3	7.359238	7.698053	6.935568	7.067327	6.961332	7.04191	6.923567	7.032839	6.994477	7.020765	6.834972	6.97699
HES4	HES4	8.418187	9.687239	10.27777	11.35007	11.27705	11.86234	11.83835	11.83425	12.09694	12.20979	11.53443	11.6302
HES5	HES5	7.405207	7.659774	7.255789	7.431326	7.173536	7.260654	7.108418	7.114507	7.510561	7.000648	6.974376	6.995729
HES6	HES6	10.91508	9.880267	9.600186	9.792441	9.386366	9.081187	8.40897	8.191475	10.25152	8.921375	8.076639	8.662505
HES7	HES7	6.960868	6.893691	6.940906	7.009156	6.784639	6.861166	6.788792	6.798147	6.740183	6.802434	6.773832	6.730063
HESX1	HESX1	9.315064	9.332764	7.459008	7.367757	7.419293	7.569571	7.31406	7.405022	7.074789	7.058085	6.925123	6.990445
HEXA	HEXA	7.131112	7.435267	7.029277	7.373743	7.262582	7.592865	7.323722	7.678013	7.578628	7.642921	7.75771	7.618622
HEXB	HEXB	11.20198	11.59265	10.78825	10.90579	10.83262	11.17919	10.56892	11.03603	10.88201	10.89396	11.52403	11.27206
HEXDC	HEXDC	7.501871	7.667523	7.308913	7.532349	7.453362	7.23168	7.312669	7.209591	7.312446	7.298879	6.950744	7.111171
HEXIM1	HEXIM1	7.146207	7.263464	6.905954	7.253798	7.034018	7.427321	7.009254	7.161599	7.119467	7.053077	6.951335	7.068034
HEXIM2	HEXIM2	7.635923	7.983135	7.389143	7.702436	7.559161	7.681621	7.536497	7.349258	7.401308	7.447763	7.135811	7.355464
HEY1	HEY1	7.45459	7.545731	8.625475	9.737991	10.04743	9.942478	9.240104	8.765948	8.941238	8.36349	7.90109	7.761308
HEY2	HEY2	10.10747	10.78767	9.894581	9.752271	8.926516	9.985257	9.63794	9.395805	9.062248	8.773643	8.268219	8.641624
HEYL	HEYL	7.876389	7.367419	7.964541	8.111492	8.256836	7.614017	7.672797	7.648549	8.748198	7.846649	7.01972	6.974496
HFE	HFE	6.873609	7.128334	6.890444	7.029071	6.982732	6.957184	6.878427	6.976935	6.970283	6.93575	6.829335	6.880761
HFE2	HFE2	6.870504	7.023366	6.739922	6.982316	6.943423	7.239128	7.020534	7.030477	7.428805	7.137141	6.874248	6.942004
HFM1	HFM1	7.008227	7.05985	6.984847	7.136654	7.047555	7.011832	6.812341	7.091012	6.955119	7.06142	6.759056	6.889596
HGD	HGD	7.0183	7.177423	6.792861	7.144255	6.954575	7.144037	6.951356	7.022533	7.075158	7.010297	6.890433	6.855426
HGF	HGF	6.986234	7.164432	6.878432	7.238035	7.162953	7.14981	6.927219	7.041841	7.027678	7.019644	6.922654	6.88625
HGFAC	HGFAC	6.846677	7.054835	6.775034	7.108941	7.025044	7.043433	6.998818	7.107957	6.949798	6.955107	6.777586	6.946458
HGS	HGS	10.9392	11.38851	10.99041	11.26919	11.04138	11.36916	10.7923	10.70733	10.89815	10.70711	10.69165	10.88544
HHAT	HHAT	6.89378	7.040615	6.990833	7.400313	7.312563	7.308479	7.306108	7.309923	7.215408	6.954534	6.921528	7.15442
HHCM	HHCM	6.88572	7.132282	6.91536	7.059626	6.931593	6.975113	6.996551	6.883279	6.933742	6.880854	6.904052	6.9646

HHEX	HHEX	7.123499	7.5705	7.389	8.344265	8.010254	7.082653	7.05291	7.040334	6.995811	6.945842	7.002859	6.992751
HHIP	HHIP	6.87255	7.126722	7.00216	7.337628	7.201969	7.021462	6.950408	6.959203	7.013196	6.948833	7.080549	6.975294
HHLA1	HHLA1	6.895992	6.992109	6.746145	7.051349	6.912967	6.964476	6.873313	7.063542	6.857588	6.968127	6.771083	6.794323
HHLA2	HHLA2	7.283104	7.187869	6.738073	7.018385	6.832711	6.784652	6.829635	6.92346	6.770836	6.738855	6.6987	6.84904
HHLA3	HHLA3	7.456948	7.527803	7.200282	7.38257	7.228291	7.491026	7.179225	7.301951	7.279988	7.247029	7.337377	7.053693
HIAT1	HIAT1	8.636885	8.733757	8.876955	8.83327	8.523278	8.502515	8.172313	8.279116	8.369511	8.251884	8.334955	8.438914
HIATL1	HIATL1	8.842538	9.140118	9.029467	8.982183	8.849661	9.64037	8.760824	9.253468	8.699662	8.69632	9.178259	8.623419
HIATL2	HIATL2	8.29389	8.663087	8.244379	8.362422	8.086072	8.491107	8.069341	8.229718	8.098458	8.061216	7.814861	7.650561
HIBADH	HIBADH	10.20111	10.21505	10.16981	10.54095	10.52268	11.48657	11.03072	11.14811	11.07283	11.30587	11.07165	11.10762
HIBCH	HIBCH	10.2459	10.45062	9.786985	9.89759	9.925194	10.92453	10.13898	10.26727	10.19033	10.08244	9.828609	9.545985
HIC1	HIC1	6.994728	7.181527	6.866506	7.127478	7.032484	7.059235	6.997544	7.027235	7.059452	7.086453	6.971093	6.993454
HIC2	HIC2	9.987321	10.07264	10.33229	10.52608	10.40681	9.645401	8.795316	8.693735	8.673038	8.207779	7.985282	7.643145
HIF1A	HIF1A	8.813694	9.264811	8.889353	9.496497	9.200011	10.12709	9.776224	9.650924	9.449219	9.455526	9.753176	10.1325
HIF1AN	HIF1AN	8.340759	8.771602	8.066259	8.407317	8.244439	8.664743	8.370185	8.391794	8.458299	8.554229	8.417575	8.321133
HIF3A	HIF3A	6.951744	7.085162	6.864528	7.088906	6.990493	7.063407	7.056256	7.062406	6.967622	7.011236	6.817432	6.893805
HIG2	HIG2	8.455999	8.522429	7.852219	8.063023	8.13965	7.610132	7.727941	7.351093	7.595226	7.544576	7.456195	7.856567
HIGD1A	HIGD1A	11.5127	11.98343	11.55497	11.98038	12.13742	13.23145	12.84412	12.9716	12.94957	12.97456	13.01821	12.75002
HIGD1B	HIGD1B	6.940084	6.945306	6.781219	6.971573	6.928697	6.925666	6.889452	6.852574	6.914946	6.839956	6.680345	6.775128
HIGD2A	HIGD2A	10.80281	11.24204	10.91973	11.24592	11.54462	12.53279	12.46848	12.29128	12.39169	12.74198	12.32199	11.87573
HIGD2BP	HIGD2BP	6.800238	7.045102	6.867555	7.015519	6.950044	6.941052	6.890922	6.913024	6.781348	6.902206	6.753224	6.779053
HILS1	HILS1	6.884433	7.147748	6.780131	7.068561	7.007719	6.960244	6.933	7.043811	6.819495	7.015451	6.791121	6.819732
HINT1	HINT1	13.37666	13.88319	13.17771	13.24067	13.43535	14.07063	13.63503	13.71223	13.89876	13.79526	13.83771	12.99679
HINT2	HINT2	9.325574	10.12152	9.265406	9.423282	9.75574	11.00717	10.24051	10.09965	10.16446	10.39317	10.11967	9.874643
HINT3	HINT3	7.102353	7.358312	7.136015	7.257297	7.207274	7.647842	7.347254	7.428769	7.468798	7.50912	7.463937	7.407867
HIP1	HIP1	9.03694	8.931925	7.949621	8.172077	8.121879	8.525395	8.114539	8.349033	7.994609	8.271414	7.890472	7.857574
HIP1R	HIP1R	7.324945	7.61567	7.302982	7.462576	7.40561	7.661204	7.488262	7.46785	7.552871	7.502457	7.205345	7.329073
HIP2	HIP2	9.113839	9.590807	9.102215	9.004543	8.920844	9.300525	8.733093	8.792476	8.71821	8.48269	8.717385	8.553819
HIPK1	HIPK1	6.875873	7.069011	6.825769	7.003901	6.880312	7.005832	6.870253	6.936718	6.890644	6.914307	6.781702	6.846919
HIPK2	HIPK2	8.018946	8.862038	8.414921	9.262065	9.05991	8.971675	8.866052	8.507201	8.670038	8.873168	8.577369	9.180074
HIPK3	HIPK3	6.802907	6.994776	6.794617	7.115982	7.105512	7.4401	7.185784	7.417111	7.164697	7.230187	7.073461	7.247725
HIPK4	HIPK4	6.844118	6.977327	6.772047	7.027921	6.906406	6.98269	6.788389	6.922521	6.896454	6.910773	6.859888	6.827504
HIRA	HIRA	6.962453	7.366459	6.938035	7.056598	7.060431	7.274146	7.085202	7.034783	7.097083	7.14649	6.764083	6.996515
HIRIP3	HIRIP3	9.381998	9.839872	9.18442	9.263827	9.201808	9.922817	9.59751	9.411771	9.612839	9.675304	8.582008	9.407721
HISPPD1	HISPPD1	6.844093	7.138464	6.840142	7.123461	6.995806	7.106305	6.891631	6.990995	6.922249	7.055238	6.89263	6.896644
HISPPD2A	HISPPD2A	7.321113	7.561705	7.130176	7.462596	7.518683	7.788142	7.589839	7.638918	7.536524	7.581583	7.397769	7.357087
HIST1H1A	HIST1H1A	7.441163	7.569279	7.18619	7.44102	7.186239	7.324101	7.168664	7.179489	7.218264	7.248505	7.013254	7.153349

HIST1H1B	HIST1H1B	6.971307	7.147814	6.850263	7.141394	6.923213	6.987277	6.801353	6.880952	6.840842	6.793127	6.850705	6.803548
HIST1H1C	HIST1H1C	8.161528	8.642036	8.612451	8.595099	8.664921	9.870055	9.940809	9.603088	10.33217	10.32899	10.0122	10.7385
HIST1H1D	HIST1H1D	7.026349	7.188657	6.850112	7.098165	6.978367	7.03526	6.851837	6.990377	6.963405	7.045381	6.784293	6.849686
HIST1H1E	HIST1H1E	6.822714	7.174377	6.763881	6.995797	6.957836	6.98738	6.928892	6.840743	6.967443	6.790172	6.743907	6.845779
HIST1H1T	HIST1H1T	6.942701	7.0433	6.890769	7.021793	6.937882	7.187676	6.925597	6.926265	7.001655	6.981641	6.799537	6.94712
HIST1H2A	HIST1H2A	6.839235	6.995022	6.876263	7.039845	6.999439	6.991472	6.961336	7.022614	6.856354	6.851273	6.746606	6.812549
HIST1H2A	HIST1H2A	6.867346	7.181563	6.891168	7.032592	6.897237	7.012112	6.889294	6.960433	6.993181	7.088474	6.778448	6.866604
HIST1H2A	HIST1H2A	8.235576	8.369931	7.583488	7.526669	7.638223	9.509003	9.546321	9.960071	9.960843	9.830161	9.570888	9.385449
HIST1H2A	HIST1H2A	6.706529	6.98695	6.699569	6.89579	6.807042	6.950629	6.960389	6.919165	6.882061	6.821422	6.73705	6.743239
HIST1H2A	HIST1H2A	7.051639	7.297628	6.930662	7.155771	7.099207	7.596252	7.270577	7.083446	7.264317	7.259273	7.204901	7.070037
HIST1H2A	HIST1H2A	7.028388	7.34516	6.889467	7.111653	6.991821	7.179493	7.093749	7.11938	7.046572	7.174653	6.928328	6.956644
HIST1H2A	HIST1H2A	6.862186	7.166654	6.937088	7.00725	6.936766	6.994435	6.814146	6.990162	6.830822	7.077375	6.735406	6.766191
HIST1H2A	HIST1H2A	7.034516	7.275506	7.015172	7.120651	7.063995	7.152991	6.987066	7.056319	6.990365	7.23605	6.878631	6.881913
HIST1H2A	HIST1H2A	6.930369	7.19483	6.849747	7.108363	6.968015	6.957871	6.858349	7.042599	6.786666	7.017758	6.807847	6.899296
HIST1H2A	HIST1H2A	6.968153	7.199334	6.873967	7.098808	7.046092	7.222105	7.098044	7.066716	7.065901	7.098157	6.816333	6.934007
HIST1H2A	HIST1H2A	7.499705	7.82525	7.389902	7.269828	7.239377	7.280513	7.108694	7.122522	7.072672	7.112948	6.913675	7.027162
HIST1H2B	HIST1H2B	6.789357	7.093514	6.70477	6.995108	6.930388	6.877138	6.686821	6.877184	6.840419	6.851488	6.802305	6.790695
HIST1H2B	HIST1H2B	6.77676	7.049726	6.693318	7.028492	6.883834	7.037245	6.811904	6.974607	6.866888	6.842251	6.75176	6.775849
HIST1H2B	HIST1H2B	7.068647	7.483122	7.220617	7.166761	7.095232	7.073221	7.073321	7.228924	7.261781	7.138331	7.041386	7.108043
HIST1H2B	HIST1H2B	7.961062	8.943587	8.161389	7.992656	8.291519	9.579738	9.470158	9.430166	9.387235	9.028186	8.747498	8.521502
HIST1H2B	HIST1H2B	7.000979	7.322783	7.121353	7.001701	7.122393	7.284185	7.083583	7.067402	7.069982	7.139532	6.887027	7.031773
HIST1H2B	HIST1H2B	7.191442	7.505885	7.069366	7.19403	7.087428	7.061329	6.945688	6.98327	7.013918	6.973184	6.83956	6.894832
HIST1H2B	HIST1H2B	7.290158	7.7542	7.221918	7.268457	7.360176	7.715777	7.325787	7.504812	7.618189	7.399537	7.258718	7.414105
HIST1H2B	HIST1H2B	7.936071	8.996882	9.165829	8.657968	8.159692	7.143311	7.074844	7.046754	7.260318	7.044254	7.07168	7.049939
HIST1H2B	HIST1H2B	6.843219	6.990236	6.80452	6.964502	6.866334	7.037709	6.87609	6.937721	6.877542	6.87572	6.758544	6.758441
HIST1H2B	HIST1H2B	8.876028	9.528885	8.908618	8.993012	8.945224	9.269512	9.315248	9.198489	9.602424	9.45099	9.226179	8.909333
HIST1H2B	HIST1H2B	10.2471	11.03197	11.03015	10.9051	11.54748	12.91836	12.51936	12.33124	12.35291	12.03466	11.71372	11.34287
HIST1H2B	HIST1H2B	6.820752	7.060911	6.85843	6.997678	6.960976	6.873702	6.94985	6.872236	6.795739	6.932623	6.810241	6.898025
HIST1H2B	HIST1H2B	7.064645	7.402965	7.025868	7.13357	7.04711	7.007584	7.067469	6.967199	7.010195	7.004522	6.893303	6.970779
HIST1H2B	HIST1H2B	6.86277	7.295546	6.769944	6.939029	6.952836	7.076979	6.911792	6.983406	6.955673	7.071297	6.884781	6.934965
HIST1H2B	HIST1H2B	6.902356	7.140754	6.733041	6.97378	6.866571	6.919055	6.885092	7.063184	6.844928	6.90285	6.695693	6.770389
HIST1H3A	HIST1H3A	7.240269	7.473486	7.259663	7.28993	7.194061	7.22735	7.19151	7.070606	7.191344	7.262243	7.143917	6.95426
HIST1H3B	HIST1H3B	6.99095	7.05189	6.804562	6.92174	6.915619	7.036095	6.801431	6.862445	6.759097	6.830361	6.68933	6.708489
HIST1H3C	HIST1H3C	7.100299	7.388117	7.019033	7.14392	6.998591	7.36893	7.039287	7.135515	7.15008	7.185296	7.003523	7.049999
HIST1H3D	HIST1H3D	7.030729	7.466985	6.938356	7.247273	7.096869	7.626809	7.260416	7.198307	7.369144	7.281194	7.010022	7.079232
HIST1H3F	HIST1H3F	7.150096	7.576315	7.097462	7.163339	7.223396	7.572875	7.206738	7.253985	7.19768	7.219527	7.041993	7.229055

HIST1H3G	HIST1H3G	7.09745	7.561827	7.066883	7.228548	7.103122	7.343487	7.168672	7.101896	7.050604	7.126474	6.906517	6.838406
HIST1H3H	HIST1H3H	7.223907	7.575844	7.158045	7.207668	7.159752	7.569183	7.238289	7.481496	7.228143	7.298666	7.156228	7.041523
HIST1H3I	HIST1H3I	7.037701	7.237301	6.913181	7.139327	6.962251	7.157018	6.862021	6.985003	6.975334	7.039594	6.80501	6.874495
HIST1H3J	HIST1H3J	7.040544	7.293185	7.088067	7.275832	7.037931	7.127975	6.931768	6.988899	6.979734	7.032291	6.807426	6.755342
HIST1H4A	HIST1H4A	7.11916	7.459038	6.829213	7.018501	6.817559	6.897844	6.847955	6.905755	6.897616	6.970725	6.752438	6.80227
HIST1H4B	HIST1H4B	6.942136	7.648733	6.915431	7.163801	7.153746	7.040948	6.879484	7.049355	7.013743	6.962956	6.884404	6.822977
HIST1H4C	HIST1H4C	14.10219	14.88829	14.53063	14.66632	14.60711	14.05872	13.85453	13.30812	13.80215	13.44479	12.48159	12.14532
HIST1H4D	HIST1H4D	6.79681	7.026071	6.913555	6.972405	6.840685	6.806158	6.838563	6.823559	6.712969	6.969638	6.661007	6.782486
HIST1H4E	HIST1H4E	7.159326	7.479883	7.194659	7.139734	7.122768	7.830622	7.412798	7.466441	7.612134	7.360556	7.385757	7.296952
HIST1H4F	HIST1H4F	6.950905	7.379423	6.937227	7.070694	6.961895	7.135464	6.905707	6.907102	6.900816	7.008047	6.814661	6.930539
HIST1H4G	HIST1H4G	6.843571	7.05696	6.725358	6.923288	6.804723	6.959942	6.810361	6.852435	6.727301	7.043403	6.634245	6.774318
HIST1H4H	HIST1H4H	7.338169	7.795026	7.334047	7.303022	7.288583	9.652099	9.024545	9.341771	9.233518	9.292577	9.384245	8.944596
HIST1H4I	HIST1H4I	7.005547	7.38864	7.044683	7.067721	6.955441	7.095279	6.910742	6.916929	6.90138	6.947557	6.903699	6.867783
HIST1H4J	HIST1H4J	7.403541	8.249295	7.660712	7.379107	7.173856	7.067181	6.893249	6.97103	6.993603	6.991277	6.853637	6.915551
HIST1H4K	HIST1H4K	9.692381	10.68585	9.845432	9.032346	8.535872	8.190767	7.879939	7.672231	8.001697	7.807932	7.726969	7.406801
HIST1H4L	HIST1H4L	6.848834	6.876362	6.674518	6.887522	6.780763	6.729089	6.816774	6.773496	6.785637	6.801498	6.674967	6.778337
HIST2H2A	HIST2H2A	7.645455	8.183294	7.813587	8.423429	9.050084	10.23291	10.04819	9.856625	9.980428	10.1157	10.091	10.1416
HIST2H2A	HIST2H2A	6.897524	7.125873	6.941425	7.063716	6.910311	7.097563	7.071394	6.968688	7.045748	7.114419	6.937582	7.104904
HIST2H2A	HIST2H2A	8.311036	9.247113	9.002723	8.789715	9.207744	9.860941	9.600176	9.331533	9.650264	9.841621	9.699733	9.608614
HIST2H2B	HIST2H2B	7.554223	7.578989	7.0782	7.889655	8.610245	10.59781	10.7543	11.06795	10.72897	11.3049	11.1464	11.34524
HIST2H2B	HIST2H2B	7.022084	7.143053	6.976814	7.067472	6.899006	7.164224	7.13679	7.07954	6.871088	7.127345	6.844374	6.936208
HIST2H3C	HIST2H3C	6.857205	7.344266	6.902721	6.96013	6.973888	6.972142	6.886602	6.987496	6.822909	6.926249	6.880764	6.703177
HIST2H4A	HIST2H4A	7.666929	8.252414	7.486029	7.578445	7.611988	8.434245	8.138841	8.253753	8.179224	8.214607	7.932903	8.218916
HIST3H2A	HIST3H2A	8.75879	8.697228	8.233211	8.195968	8.751311	9.331947	9.024057	8.918022	9.013143	9.20192	8.840983	9.332022
HIST3H2B	HIST3H2B	6.956877	7.173957	6.896937	7.065044	6.983371	6.900079	6.803736	6.972439	6.915932	6.8932	6.85527	6.960447
HIST3H3	HIST3H3	7.018271	6.962994	6.898184	7.025395	6.931659	6.953693	6.790664	6.9379	6.745749	6.906768	6.77831	6.883637
HIST4H4	HIST4H4	6.859855	7.115098	6.769515	7.033264	6.968679	7.096671	6.848537	6.901786	6.857294	6.935613	6.783428	6.943748
HIT-40	HIT-40	7.305676	7.356299	7.123523	7.297251	7.07903	7.064298	6.861563	6.935249	6.913816	6.958914	6.716318	6.950865
HIVEP1	HIVEP1	8.047378	8.552141	8.206586	8.377337	8.166787	8.494069	8.081781	8.209293	8.177618	8.022399	8.29106	7.847494
HIVEP2	HIVEP2	7.61868	7.996659	7.530459	7.75543	7.58158	8.091022	8.04745	7.941028	7.928849	8.223514	7.879238	8.277205
HIVEP3	HIVEP3	7.089974	6.988547	6.903015	7.034136	6.910191	6.989568	6.955193	6.956678	6.935405	6.867349	6.776449	7.011943
HK1	HK1	10.65044	10.37963	9.270101	9.711343	10.05555	11.40034	11.02354	11.33177	10.87041	11.29645	11.49366	11.02734
HK2	HK2	9.585964	9.383093	8.467672	9.316915	9.695341	9.190548	8.632936	8.143375	8.559898	8.373997	8.855331	9.358765
HK3	HK3	6.829453	6.932266	6.863674	6.950402	7.104262	6.848569	6.790707	6.952456	6.90218	6.929247	6.860194	6.893919
HKDC1	HKDC1	6.994919	7.140125	6.955582	7.163675	7.013179	7.099917	6.849249	6.899755	6.785362	6.987945	6.818365	6.752163
HKR1	HKR1	7.956011	8.097345	7.755643	8.017269	7.927105	8.34932	8.02797	7.842167	7.963029	8.060608	7.455507	7.835689

HKR2	HKR2	7.04234	7.169044	6.870176	7.071199	6.96514	7.007933	6.994594	7.000765	6.966386	6.959366	6.781591	6.963048
HKR3	HKR3	9.140607	9.33481	8.722135	9.33803	9.081441	9.030403	8.812234	8.666877	8.82981	8.587017	8.150818	8.645436
HLA-A	HLA-A	11.77052	12.06873	11.35999	11.25915	10.62423	10.49091	10.76857	11.50203	11.41803	11.89327	12.79991	12.565
HLA-B	HLA-B	8.760888	9.328254	10.15243	9.159489	8.424573	9.046939	9.4043	10.17625	10.22138	10.75841	11.66189	11.2798
HLA-C	HLA-C	7.059333	7.313681	6.902953	7.114435	6.963097	6.988928	7.054933	7.316184	7.173573	7.39298	7.508775	7.559579
HLA-DMA	HLA-DMA	8.659211	8.915978	7.991399	8.068142	7.637415	7.564362	7.279217	7.388513	7.230231	7.348654	7.162788	7.332616
HLA-DMB	HLA-DMB	7.278512	7.204293	6.917641	7.001964	6.953422	7.02364	6.762489	7.027093	6.818161	6.856386	6.784924	6.726935
HLA-DOA	HLA-DOA	9.102656	8.914871	7.718064	7.47579	7.04672	6.955327	6.789789	6.967488	6.866419	6.95318	6.705521	6.751188
HLA-DOB	HLA-DOB	7.100197	7.264349	6.855791	7.107771	7.007621	7.041652	6.93125	6.940235	6.82807	6.964263	6.923366	6.780496
HLA-DPA1	HLA-DPA1	7.028718	7.010267	6.729172	7.016616	6.921865	6.844638	6.785024	6.944139	6.778775	6.853626	6.734849	6.704535
HLA-DPB1	HLA-DPB1	6.995365	7.195145	6.783738	7.141961	6.935545	7.057623	6.958136	6.968315	6.957198	7.021675	6.841241	6.836
HLA-DPB2	HLA-DPB2	7.731031	7.941177	6.901809	7.001816	6.944823	6.860255	6.89361	6.923413	6.946244	6.889867	6.781103	6.746304
HLA-DQA1	HLA-DQA1	6.895907	7.000845	6.792302	7.013633	6.881911	6.811989	6.843373	6.838671	6.789981	6.906884	6.70153	6.81856
HLA-DQA2	HLA-DQA2	6.885603	7.134675	6.987631	7.073611	7.027482	7.1585	7.063383	7.024675	7.060153	6.966914	6.899142	7.00474
HLA-DQB1	HLA-DQB1	6.901799	7.069475	6.850637	7.124666	6.95817	7.023654	6.965605	6.89202	6.875595	7.005856	6.840257	6.851651
HLA-DQB2	HLA-DQB2	6.875868	7.098632	6.832722	7.129173	6.93347	7.030165	6.961938	7.004434	7.011909	7.040072	6.876536	6.955152
HLA-DRA	HLA-DRA	7.151527	7.250267	6.814779	7.067406	6.994777	7.04504	6.881448	6.985039	6.874129	6.991782	6.72411	6.825325
HLA-DRB1	HLA-DRB1	6.789179	7.058079	6.679767	7.016274	6.896979	6.997348	6.876696	6.890572	6.874672	6.835901	6.782531	6.808366
HLA-DRB3	HLA-DRB3	6.87413	6.925888	6.75229	7.073481	6.737682	6.813091	6.672771	6.765284	6.741914	6.755608	6.82818	6.72052
HLA-DRB4	HLA-DRB4	6.902339	7.144264	6.891719	7.063898	6.990971	7.049322	6.884003	7.028855	6.971335	6.944858	6.782974	6.85566
HLA-DRB5	HLA-DRB5	6.759401	6.977117	6.694838	7.028001	6.882779	6.958687	6.835127	6.965324	6.844789	6.851065	6.796911	6.796953
HLA-DRB6	HLA-DRB6	6.854456	7.180766	6.756687	7.097644	6.966439	7.014776	6.948842	6.983254	6.905274	7.041008	6.831533	6.914906
HLA-E	HLA-E	7.777753	8.036985	7.729717	7.813284	7.69573	7.81003	7.489002	7.500818	7.760436	7.806472	8.246375	8.450999
HLA-F	HLA-F	8.085179	8.634212	8.171989	8.022707	7.553605	7.559928	7.899823	8.183287	8.439819	8.73091	9.333654	9.395755
HLA-G	HLA-G	7.744379	7.994354	7.344513	7.429553	7.173605	7.185789	7.24218	7.218206	7.359769	7.462647	7.777913	8.029814
HLA-H	HLA-H	9.615411	10.13567	9.610126	9.375514	8.618524	8.728889	9.131399	9.700314	9.81723	10.29748	11.06485	10.96543
HLCS	HLCS	7.385786	7.516765	7.36386	7.676842	7.464807	7.622796	7.370635	7.42097	7.327207	7.36896	7.264413	7.23766
HLF	HLF	6.933259	7.048876	6.866637	7.007961	6.974379	7.333057	7.000351	7.002525	7.045497	7.017401	6.888211	7.088949
HLRC1	HLRC1	7.407799	7.72915	7.305654	7.300965	7.243619	7.336912	7.143198	7.174008	7.19454	7.194882	7.089775	7.29648
HLX1	HLX1	6.929593	7.164776	7.80892	8.647294	8.263591	7.574772	7.311108	7.275879	7.452839	7.40361	7.166413	7.171037
HLXB9	HLXB9	6.994862	7.149316	7.09933	7.13961	7.021997	7.047712	6.911672	6.994194	6.930599	7.015903	6.777481	6.940321
HM13	HM13	7.901718	8.147012	7.765795	8.179205	8.002847	7.865101	7.712159	7.941533	7.796198	7.843353	8.088603	7.937899
HMBOX1	HMBOX1	7.269417	7.807783	7.365201	8.050466	7.999628	8.041824	7.813994	7.785111	7.534635	7.73221	7.356141	7.50362
HMBS	HMBS	9.989083	9.961272	9.409961	9.289437	9.078021	9.824215	9.106742	9.122116	9.100907	9.048757	8.772969	8.742783
HMCN1	HMCN1	7.039402	7.075864	6.951591	7.278407	7.040608	6.935278	6.924325	6.890248	6.921383	6.90279	6.852271	6.854829
HMFN0672	HMFN0672	6.971175	7.276223	6.879819	7.184385	7.063995	7.103735	6.853149	7.042284	6.953087	7.028349	6.869091	6.836471

HMFN083	HMFN083	7.185709	7.94494	7.103748	7.316421	7.474481	9.548241	9.449406	9.633097	9.526841	10.04418	9.351791	10.48471
HMG1L1	HMG1L1	11.07484	11.58353	11.14493	10.7864	10.43067	9.991897	10.04474	9.520477	10.15574	9.679966	9.151349	9.410683
HMG20A	HMG20A	8.418219	8.62128	8.340204	8.593856	8.428342	8.704866	8.114365	8.217242	8.027859	7.938284	7.788719	7.903898
HMG20B	HMG20B	10.46267	10.3044	10.19096	10.36158	10.25004	10.82158	10.69674	10.62661	10.63098	10.52093	10.15157	10.54763
HMG2L1	HMG2L1	7.434542	7.459992	7.357388	7.492513	7.237765	7.264275	7.156088	7.19731	7.151912	7.146856	7.082991	7.176208
HMG4L	HMG4L	6.861942	7.027462	6.740497	6.987958	6.904035	6.988011	6.805981	6.898259	6.921846	6.836398	6.908795	6.804452
HMGA1	HMGA1	11.27943	11.7417	10.59197	10.3094	9.691463	9.035679	7.916368	7.806878	7.750558	7.781736	8.609488	7.885395
HMGA2	HMGA2	6.992938	7.391065	7.01675	7.250183	7.071644	7.173213	7.067679	7.093827	6.987195	7.093679	6.99227	6.979116
HMGB1	HMGB1	8.677019	9.144169	9.093208	8.952801	8.525678	8.285752	8.251717	7.887171	8.34005	8.054563	7.418655	7.871479
HMGB2	HMGB2	11.10401	11.64482	11.55112	11.37523	11.03312	11.09363	11.01508	10.66851	11.10848	10.84412	9.61173	9.061172
HMGB3	HMGB3	11.22591	11.07249	10.7881	10.30067	9.700857	9.683357	9.090677	8.835181	8.842744	8.360924	7.826401	7.516151
HMGB4	HMGB4	6.885438	6.999583	6.821761	6.988331	6.889169	6.945965	6.875048	6.858065	6.800719	6.923456	6.799373	6.773123
HMGCL	HMGCL	8.021314	8.217053	8.007658	8.017904	8.378399	8.779439	8.173955	8.285288	8.306275	8.204613	8.110771	8.363174
HMGCLL1	HMGCLL1	6.872724	7.133062	6.816662	7.073181	7.068527	7.301295	7.295617	7.342458	7.288961	7.354929	7.224345	7.433347
HMGCR	HMGCR	11.82521	11.96177	11.72258	12.1279	11.35842	10.89655	10.17844	10.17385	10.72144	9.92326	9.726733	9.485468
HMGCS1	HMGCS1	12.86299	12.58837	12.39541	12.77703	12.37609	12.59341	12.01927	12.10125	12.58701	12.18734	11.47689	11.59646
HMGCS2	HMGCS2	6.814362	7.058163	6.925694	8.164701	8.1966	7.020394	6.882382	6.934545	8.107509	6.972549	6.81931	6.845622
HMGN1	HMGN1	13.48669	13.90691	13.61341	13.72961	13.58447	13.48712	12.90684	12.86235	12.8287	12.43907	12.34631	11.63252
HMGN2	HMGN2	10.94282	11.79836	11.43499	11.50658	11.21443	11.37371	11.35146	11.03908	11.35744	11.20034	10.53513	10.51614
HMGN3	HMGN3	7.372498	7.731416	7.204473	7.442528	7.433929	7.488367	7.543575	7.314723	7.473586	7.435745	7.165119	7.243597
HMGN4	HMGN4	11.07691	11.14643	10.5057	10.6166	10.74042	11.27463	10.70829	10.84096	10.76069	10.7739	10.78297	10.6546
HMHA1	HMHA1	7.637517	7.800743	7.204968	7.380496	7.269243	7.315125	7.071683	7.101725	6.968736	7.015163	6.746532	7.084684
HMMR	HMMR	10.93265	11.22663	10.55935	10.4334	9.868581	10.30918	9.650216	9.384462	9.593303	9.338663	8.49502	7.802106
HMOX1	HMOX1	7.892134	8.887026	7.482374	7.519573	7.247644	7.386258	6.887772	6.910497	6.964029	6.878873	7.046239	7.562101
HMOX2	HMOX2	6.931517	7.157518	6.903933	7.079942	6.934718	7.05023	6.941918	7.042553	7.032247	7.084856	6.937515	6.919758
HMP19	HMP19	7.305651	7.371923	7.063398	7.185953	6.987399	7.42713	7.120278	7.203612	8.795357	7.145048	6.96722	7.103458
HMX1	HMX1	6.903071	7.03592	6.917714	7.101302	6.93128	6.999756	6.919911	6.942622	6.793466	7.039057	6.819453	6.990029
HMX2	HMX2	7.295585	7.239303	7.053294	7.075672	7.029178	7.032723	7.023259	6.99146	6.878802	7.00158	6.816708	6.946119
HMX3	HMX3	6.761122	7.031075	6.800567	7.001172	6.955985	6.880392	6.815486	6.933177	6.828911	6.985212	6.778297	6.913754
HN1	HN1	9.358134	9.954863	8.646443	9.185833	8.921683	9.457192	8.747081	8.742358	8.901294	8.823543	8.647988	8.402027
HNF4A	HNF4A	6.970192	7.069399	6.919053	7.071052	6.950067	7.012984	6.943282	6.981136	6.974918	7.006196	6.838474	6.90731
HNF4G	HNF4G	6.994922	7.228525	6.941216	7.168262	7.033416	6.98682	7.002496	6.974632	6.852375	7.012745	6.754452	6.917988
HNMT	HNMT	6.984597	7.26848	7.369154	7.355884	7.309835	7.096595	7.182385	7.30438	7.394696	7.265197	7.270213	7.012773
HNRNPG-	HNRNPG-	6.791804	7.039135	6.801521	6.97321	6.894432	6.835999	6.787414	6.891936	6.79134	6.956796	6.73009	6.880273
HNRPA0	HNRPA0	12.09097	12.17282	11.7289	12.20044	12.06995	11.97789	11.25883	11.46336	11.38635	11.11409	11.03741	10.54165
HNRPA1	HNRPA1	9.949625	9.893653	9.101481	9.241642	8.879227	8.713818	8.330747	8.269253	8.40745	8.328123	7.944961	7.785072

HNRPA1L-	HNRPA1L-	11.66648	12.40118	11.77021	12.08805	11.59029	10.74325	10.78308	10.39405	10.95812	10.44468	9.762861	9.99696
HNRPA2B	HNRPA2B	14.0149	14.40511	13.89925	13.87059	13.69625	13.7166	13.5273	13.28103	13.40051	13.25075	12.88933	12.93828
HNRPA3	HNRPA3	10.27761	10.80595	9.987438	9.820716	9.698881	10.38746	9.394801	9.148305	9.297748	8.944033	8.372318	9.156719
HNRPA3P	HNRPA3P	7.616671	8.082945	7.483395	7.534288	7.681447	7.722662	7.56561	7.292273	7.44045	7.433308	7.186659	7.437782
HNRPAB	HNRPAB	13.02686	13.2244	12.7445	12.44729	12.01104	12.10622	11.58297	11.76742	11.54726	11.48402	11.49831	11.08166
HNRPC	HNRPC	10.80995	11.18219	10.87653	10.785	10.1388	10.3471	9.872458	9.365762	9.879422	9.458866	9.115948	9.326108
HNRPCL1	HNRPCL1	6.92255	7.148657	6.891289	7.010329	6.967021	6.997607	6.949037	6.957404	6.938116	6.96938	6.847133	6.807658
HNRPD	HNRPD	13.95069	14.25334	13.3999	13.70596	13.41085	13.24572	12.88154	12.77935	12.88281	12.77505	12.35456	12.34635
HNRPDL	HNRPDL	10.41745	10.49589	10.13763	10.52573	10.81407	10.94876	10.38102	10.41264	10.60826	9.96276	9.87294	9.795634
HNRPF	HNRPF	7.899441	8.146397	7.822005	7.86556	7.595684	7.837911	7.623751	7.540563	7.450793	7.462458	7.133698	7.257517
HNRPH1	HNRPH1	10.14617	10.49905	10.31593	10.28088	10.17818	9.805064	9.420507	9.171819	9.594224	9.161926	8.83145	8.991441
HNRPH2	HNRPH2	8.268422	8.984088	8.399347	8.445363	8.349701	9.366393	8.770274	8.458584	8.701799	8.52825	8.034566	8.437398
HNRPH3	HNRPH3	9.626652	10.07762	9.732465	9.807886	9.865464	10.18067	9.566389	9.430141	9.649985	9.390393	9.062443	9.209408
HNRPK	HNRPK	11.53054	11.86292	11.64625	11.65746	11.49418	11.70335	11.00526	11.04864	10.97688	10.72282	10.76708	10.63252
HNRPL	HNRPL	11.40129	11.49397	10.86707	11.12942	10.50843	10.94502	10.24404	10.27493	10.18714	10.2611	10.0875	9.930233
HNRPLL	HNRPLL	8.594268	9.151586	8.593921	8.670201	8.15363	8.489507	8.259009	8.138121	8.348785	8.020961	8.175731	8.220245
HNRPM	HNRPM	12.36338	12.76939	12.03182	12.14381	11.65718	11.79036	11.01092	11.0392	10.94346	10.8354	10.89654	10.98772
HNRPR	HNRPR	12.28481	12.30623	12.52849	12.61808	12.35369	12.32174	11.75299	11.64552	11.832	11.43577	11.36127	11.47374
HNRPU	HNRPU	9.076311	9.333686	8.867505	9.235942	9.294817	9.093963	8.994427	8.654311	8.882009	8.616801	8.266135	8.580814
HNRPUL1	HNRPUL1	10.89119	11.45057	10.70752	11.02044	11.11558	10.87171	10.65552	10.61628	10.63807	10.34816	10.17585	9.984875
HNRPUL2	HNRPUL2	9.554628	9.982376	9.275097	9.757959	9.700918	9.698537	9.475058	9.183802	9.383606	9.126278	8.972687	9.365731
HNT	HNT	8.363094	8.148862	7.188859	7.609903	8.355276	7.43324	7.440925	7.58869	8.313869	7.530465	8.468256	8.46865
HOMER1	HOMER1	8.021749	8.814557	8.136706	8.189783	7.871093	8.499279	8.296548	8.398028	8.350945	8.393198	8.043322	8.064085
HOMER2	HOMER2	8.587488	9.066031	7.35639	7.962451	8.486318	9.039855	8.947224	9.24144	8.604673	8.91641	8.544397	7.906688
HOMER3	HOMER3	7.733747	7.886191	7.612621	8.249664	8.121686	7.821493	7.685717	7.530096	7.619795	7.598324	8.047489	7.758938
HOM-TES-	HOM-TES-	7.786851	8.078777	7.720467	8.388611	8.274778	8.42773	8.443974	8.256806	8.42864	8.205605	7.794996	8.040143
HOOK1	HOOK1	9.545363	9.434245	8.358072	8.659735	8.893768	8.964171	8.491724	8.685534	8.608421	8.323522	7.679329	8.101077
HOOK2	HOOK2	8.778101	9.081718	8.142866	8.270274	8.144919	8.457945	8.425967	8.401398	7.976754	8.305858	8.057108	7.855764
HOOK3	HOOK3	7.430367	7.805652	7.616362	8.012089	7.709943	7.740182	7.348712	7.472368	7.368521	7.420954	7.450671	7.403737
HOP	HOP	6.849233	7.044067	7.138994	8.157859	7.908688	8.018231	8.152615	8.665344	8.623128	9.274154	9.445666	8.825455
HORMAD1	HORMAD1	6.842859	7.004899	6.819819	7.029612	6.96485	6.973173	6.883037	6.931988	6.853671	6.999217	6.763106	6.86484
HORMAD2	HORMAD2	7.003363	7.003902	6.771578	6.90457	6.97634	6.916194	6.819257	6.936171	6.810396	6.978893	6.772853	7.037122
HOXA1	HOXA1	6.841332	7.07322	6.847745	7.042458	6.949201	6.995261	6.879436	6.976987	6.867062	6.882955	6.865566	6.844396
HOXA10	HOXA10	6.823204	6.974281	6.788908	7.733334	7.643806	6.942736	6.755813	6.938778	7.054902	6.910965	6.769523	6.866609
HOXA11	HOXA11	6.835617	7.064363	6.776721	7.183068	6.981828	6.933044	6.908732	6.885814	6.748881	6.91608	6.784017	6.795359
HOXA13	HOXA13	6.830551	7.053334	6.868127	7.795652	7.967257	7.105214	6.824753	6.924579	6.958957	6.930954	6.815926	6.831395

HOXA2	HOXA2	6.984811	7.080079	7.027786	7.813853	7.766212	7.221447	7.140539	7.161629	8.120476	7.326069	7.112922	7.136244
HOXA3	HOXA3	6.861655	7.038091	6.809817	7.080352	6.960946	7.015582	6.828275	6.869846	7.035953	6.902105	6.841724	6.825102
HOXA4	HOXA4	6.849668	6.92699	6.867668	7.291864	7.527095	7.189865	7.053393	7.260615	7.836991	7.385217	7.398096	7.117713
HOXA5	HOXA5	6.798394	6.975143	7.235843	9.189342	9.077466	7.966095	7.885369	8.126783	11.16526	8.227555	8.570928	8.547964
HOXA6	HOXA6	7.095275	7.31936	6.81208	7.180731	7.1743	7.237339	6.958499	7.064359	7.293378	7.320181	7.062968	7.124408
HOXA7	HOXA7	6.940741	7.172521	6.777843	7.041134	6.895316	7.095859	6.88504	6.998119	6.911525	6.93348	6.738939	6.964485
HOXA9	HOXA9	6.843659	6.930578	6.890133	8.720497	8.015152	7.060798	6.906326	7.039293	7.512022	6.976494	7.048704	6.843221
HOXB1	HOXB1	7.173906	7.549812	7.154757	7.310106	7.226631	7.212362	7.140992	7.168795	7.291472	7.355721	7.062695	7.122347
HOXB13	HOXB13	6.84276	6.802322	6.717878	6.960887	6.852485	6.895602	6.793363	6.891283	6.993413	6.923309	6.693069	6.746638
HOXB2	HOXB2	6.932706	6.982989	8.792137	10.63153	10.71551	9.500526	9.584975	9.410139	9.772344	9.509753	9.501479	9.442962
HOXB3	HOXB3	6.906299	6.902474	7.060289	8.400644	8.213626	7.274066	7.322474	7.392337	7.879771	7.437147	7.441241	7.379749
HOXB4	HOXB4	6.855806	7.066516	6.901624	8.495314	8.548363	7.654653	7.600812	7.792873	7.946381	7.697578	7.521814	7.467992
HOXB5	HOXB5	6.884806	7.16837	8.037281	11.11185	10.81559	8.188916	7.926181	8.231596	11.4407	8.378454	8.665824	8.475625
HOXB6	HOXB6	7.054941	7.238057	7.176553	8.316422	7.816764	7.364984	7.265054	7.251178	7.623284	7.549481	7.377119	7.549593
HOXB7	HOXB7	6.917173	6.953374	6.845317	8.699036	8.82965	7.592412	7.339304	7.647303	8.279136	7.333574	8.075279	7.688964
HOXB8	HOXB8	6.80837	6.984042	7.744706	11.28548	10.97335	7.816944	7.248239	7.225641	9.514395	7.109065	7.378465	7.405375
HOXB9	HOXB9	6.977012	7.231705	6.897513	7.2704	7.031807	7.10639	7.010519	7.173246	7.00226	7.038875	6.962211	7.025864
HOXC10	HOXC10	6.881648	7.192189	6.90828	7.163617	6.99966	7.053036	6.863052	7.068972	7.008241	7.005251	6.823483	6.958004
HOXC11	HOXC11	7.64281	7.720952	7.445383	7.907201	7.454419	7.714798	7.420102	7.452895	7.474374	7.490085	7.321967	7.653096
HOXC12	HOXC12	6.765366	6.961663	6.718656	6.943931	6.905627	6.825466	6.752744	6.848655	6.862774	6.916515	6.771706	6.827122
HOXC13	HOXC13	6.93236	7.050363	6.847211	6.933297	7.043811	7.07504	6.883905	7.00807	6.822381	6.935425	6.720222	6.823312
HOXC4	HOXC4	6.904334	7.061493	6.926905	8.212607	8.324259	7.262309	7.092884	7.197073	8.453807	7.113626	7.087627	7.203896
HOXC5	HOXC5	6.916149	7.027311	6.736383	7.089576	7.048172	6.97356	6.865245	6.962156	7.066627	6.900423	6.728842	6.873666
HOXC6	HOXC6	6.922577	7.151223	7.202162	9.529282	9.378192	7.786785	7.419065	7.534598	8.569614	7.661369	7.752101	7.641181
HOXC8	HOXC8	6.849251	7.05747	7.058597	9.534537	10.02021	7.623869	7.162375	7.383318	7.882422	7.259412	7.875721	7.620049
HOXC9	HOXC9	6.782104	7.059753	6.785219	7.312536	7.069247	6.841021	6.795698	6.820796	7.085318	6.843881	6.841624	7.078799
HOXD1	HOXD1	6.924083	7.157145	8.315789	8.990676	7.660331	7.700495	7.439325	7.165612	7.453497	7.219525	6.895831	6.907143
HOXD10	HOXD10	6.870369	6.987919	6.875941	7.166321	7.1448	7.028959	6.860469	6.871046	6.950442	6.904484	6.694364	6.876897
HOXD11	HOXD11	6.843249	7.25186	6.986024	7.550565	7.224485	7.087359	7.013791	7.029147	7.085979	7.145956	6.90537	6.901854
HOXD12	HOXD12	8.031254	8.172722	8.003876	8.30576	8.192588	9.03616	9.268131	9.361307	9.005394	9.380391	8.954373	8.941651
HOXD13	HOXD13	7.632373	7.985778	7.423602	7.815423	7.58989	8.078369	7.786287	7.73705	7.888619	8.119174	7.941708	7.829378
HOXD3	HOXD3	7.134818	7.148251	7.016483	7.427653	7.228828	7.454643	7.355893	7.262145	7.621214	7.280906	7.154893	7.169213
HOXD4	HOXD4	6.994752	7.095121	6.962941	7.342788	7.147234	7.133402	6.932667	6.942022	7.063675	6.979241	6.880091	6.969106
HOXD8	HOXD8	6.874753	7.045834	6.73302	7.241577	7.105981	7.033408	6.967247	7.0104	7.058048	6.945053	6.952486	6.940884
HOXD9	HOXD9	6.824754	6.975802	6.784172	7.278421	6.994093	6.933967	6.769567	6.866707	6.93987	6.880803	6.578061	6.989337
HP	HP	6.909877	7.187675	6.804518	7.038094	6.918093	7.077585	6.855559	6.994144	6.916873	6.984507	6.833279	6.858384

HP1BP3	HP1BP3	7.712826	7.814234	7.843821	8.043318	7.653633	7.605298	7.263294	7.714091	7.464519	7.555509	7.30031	7.425118
HPCA	HPCA	6.927159	7.086633	6.837382	7.021058	6.903407	6.966277	6.869702	6.911553	6.92073	6.947824	6.744518	7.012743
HPCAL1	HPCAL1	8.083742	8.824999	8.115333	8.810816	8.683281	8.384678	8.286483	8.444888	8.881837	8.589974	8.633606	8.94949
HPCAL4	HPCAL4	6.979254	7.076233	6.786233	7.184152	8.192768	7.000768	6.944465	6.955573	7.351916	7.036686	6.799765	6.835487
HPD	HPD	6.999325	7.232801	6.911386	7.15071	7.091732	7.170263	6.961956	7.038878	7.130458	7.138835	6.903176	6.993664
HPGD	HPGD	7.116215	7.66613	7.417845	8.091336	7.239178	7.055398	6.932096	6.988625	7.01864	6.978914	6.935515	6.928483
H-PLK	H-PLK	6.862377	7.089645	6.807179	7.048759	6.930902	6.947646	6.915007	6.915246	6.867552	7.085103	6.736046	6.868564
HPN	HPN	7.259927	7.298451	7.000796	7.249988	7.184165	7.012487	6.973305	6.992675	6.94919	6.974182	6.789802	6.997036
HPR	HPR	6.996648	7.209759	7.150401	8.585002	7.431286	7.430028	7.283741	7.414449	7.404792	7.896771	8.020405	7.607182
HPRT1	HPRT1	10.5262	11.22202	10.15276	9.814534	9.942513	10.30364	10.04062	10.17776	10.1252	10.33956	10.44428	10.17477
HPS1	HPS1	7.297883	7.437879	7.210651	7.282697	7.108817	7.166444	7.103717	7.140865	7.025862	7.225682	7.091099	7.042304
HPS3	HPS3	8.818214	8.646307	7.923033	8.369499	7.58326	7.809193	7.351549	7.778758	7.495648	7.5516	7.662911	7.506874
HPS4	HPS4	7.104964	7.252979	6.961083	7.179545	7.09883	7.152563	7.00852	7.085827	7.048728	7.069305	6.886332	6.935556
HPS5	HPS5	8.067739	8.616812	7.924631	7.948169	7.962549	8.864174	7.951701	8.035698	7.878079	7.968774	7.894606	7.663103
HPS6	HPS6	9.833433	9.916431	9.627055	10.12224	10.03035	10.51899	10.00117	10.10574	9.881867	9.950407	9.842616	9.990554
HPSE	HPSE	7.165867	7.589936	7.008049	7.228774	7.068431	7.174958	6.862041	7.032729	7.021012	7.014975	6.849189	7.032092
HPSE2	HPSE2	6.813306	7.065941	6.740506	7.057012	6.985338	6.748568	6.794744	6.908972	6.805975	6.947785	6.74901	6.811282
HPX	HPX	7.009084	7.260412	6.967736	7.929747	7.573657	7.29137	7.108858	7.000081	7.043622	7.099712	6.99371	6.782298
HR	HR	6.873239	7.024054	6.798635	6.987292	6.969315	7.016087	6.871311	6.933834	6.873114	6.933559	6.770466	6.859219
HRAS	HRAS	7.976254	8.531166	8.066444	8.146669	8.247305	8.414468	8.42978	8.324667	8.475217	8.62349	8.757345	8.591972
HRASLS	HRASLS	8.100079	7.99783	7.241624	7.889513	8.732684	10.032	9.531572	9.531954	9.39312	9.570255	9.027366	8.765846
HRASLS2	HRASLS2	6.752822	6.992653	6.707751	6.998921	6.843151	6.979485	6.916418	6.976767	6.980399	6.913573	6.772246	6.875819
HRASLS3	HRASLS3	11.80129	12.91061	10.33938	8.564548	8.421863	9.428117	9.321497	9.72865	9.862633	10.05415	10.64505	10.95296
HRASLS5	HRASLS5	7.018326	7.24867	6.879046	6.843944	6.86907	6.915467	6.830616	6.888948	6.864091	6.842062	6.698604	6.727434
HRB	HRB	7.413556	7.711613	7.289802	7.506535	7.408897	7.687162	7.380982	7.518791	7.395434	7.367228	7.346471	7.43367
HRB2	HRB2	7.866514	8.108302	7.971846	8.193703	7.778558	8.280108	7.780921	8.079143	7.830941	7.841519	7.808548	7.699184
HRBL	HRBL	7.128125	7.542505	7.14451	7.238681	7.275174	7.538651	7.247703	7.406425	7.195402	7.360422	7.109074	7.225533
HRC	HRC	7.377624	7.177821	7.08669	8.570879	9.511144	11.07686	11.30504	11.78658	11.21586	11.92129	11.35491	11.81026
HRES1	HRES1	6.909521	7.158803	6.883795	7.240702	7.002228	7.089619	7.027695	7.080879	7.078182	7.034253	6.976897	6.790056
HRG	HRG	6.843708	7.013242	6.735189	7.006393	6.842187	6.887126	6.828953	6.88004	6.883668	6.909329	6.69047	6.783937
HRH1	HRH1	7.116661	7.140323	6.854978	7.163527	7.076255	7.24927	7.00826	7.073342	7.079326	7.214468	7.212746	7.321244
HRH2	HRH2	6.810005	7.091375	6.776727	7.002496	6.934703	6.865066	6.830122	6.959921	6.85061	6.89916	6.770327	6.873904
HRH3	HRH3	6.865845	7.079201	6.776846	6.952035	6.921699	6.913502	6.741008	6.938722	6.888745	6.843917	6.803592	6.811075
HRH4	HRH4	6.943685	7.173711	6.934376	6.972201	6.970633	7.15662	6.992007	7.034288	6.960755	6.956193	6.877364	6.908493
HRIHFB21	HRIHFB21	8.024929	8.605277	8.43952	8.79612	8.865489	8.92357	8.902539	8.904858	8.826039	9.094969	9.08722	8.879444
HRK	HRK	7.088626	8.829006	7.749797	7.033569	6.938605	7.190616	7.390937	7.538663	7.904675	7.909788	7.475027	7.426853

HRNR	HRNR	6.911986	6.9467	6.832766	7.019091	6.921162	7.026943	6.820928	6.955261	6.884484	6.878242	6.821353	6.794662
HRSP12	HRSP12	9.877776	10.23796	9.384203	8.793454	8.731093	9.708197	9.01786	8.829744	8.986368	8.896443	8.7638	8.223454
HS1BP3	HS1BP3	7.911532	7.780205	7.564661	7.885471	7.883697	8.036004	7.772407	7.895138	7.831264	7.849199	7.852306	7.663807
HS2ST1	HS2ST1	7.616745	7.932125	7.644006	8.294963	8.235344	8.449062	8.216825	7.974338	8.142269	7.8645	7.490631	7.779844
HS322B1A	HS322B1A	6.801889	7.01411	6.800371	6.859931	6.836545	7.07289	6.959986	6.872321	6.824254	6.788872	6.796494	6.791312
HS3ST1	HS3ST1	7.088062	7.083797	7.403863	7.963927	7.790635	7.452261	7.169201	7.152487	7.143829	7.11466	6.978695	6.950109
HS3ST2	HS3ST2	7.646281	7.879764	6.962433	7.091222	7.005796	7.212221	6.888389	7.001027	6.917899	6.953737	6.736048	6.77682
HS3ST3A1	HS3ST3A1	8.844021	9.41449	10.18877	10.65461	8.861529	9.141439	9.722789	9.805703	9.838161	10.53961	10.61184	10.3191
HS3ST3B1	HS3ST3B1	7.002628	7.272786	6.825662	7.172552	7.039341	7.146345	7.013155	6.976263	6.936746	7.067675	6.903339	6.877124
HS3ST4	HS3ST4	6.883014	7.142136	6.844979	7.135762	6.952278	7.137468	6.861479	7.047917	6.836078	6.910057	6.876319	6.881529
HS3ST5	HS3ST5	7.099337	7.175818	6.83521	7.200406	7.114602	7.197637	6.877794	6.958234	6.914428	6.809123	6.658299	6.778739
HS3ST6	HS3ST6	6.855092	7.033754	6.759767	6.97795	6.901326	6.966857	6.803605	6.933928	6.856765	6.929394	6.723374	6.789266
HS6ST1	HS6ST1	7.498802	7.632336	7.207919	7.503452	7.327451	7.37043	7.216142	7.187532	7.275727	7.243632	6.896096	6.939838
HS6ST2	HS6ST2	7.288426	8.183605	7.962119	8.417679	9.425888	9.442251	8.167744	7.831086	7.829799	7.327507	6.934724	6.973358
HS6ST3	HS6ST3	6.875982	7.083771	6.866695	7.097797	6.963131	6.916543	6.852523	6.966588	6.97838	6.922725	6.651696	6.873904
HS747E2A	HS747E2A	6.859971	6.978921	6.72512	6.951094	6.917108	6.86761	6.818688	6.845682	6.92827	6.899928	6.710606	6.842456
HSA9761	HSA9761	11.42362	11.39015	10.59214	10.72858	10.5546	11.05165	10.47851	10.27655	10.51776	10.51223	10.45838	10.3696
HSBP1	HSBP1	12.24475	12.39842	12.5686	12.61069	12.31616	12.77706	12.25837	12.36281	12.34022	12.16446	11.85592	11.97449
HSCARG	HSCARG	10.59573	11.0621	10.02365	9.479792	9.295801	9.17953	9.147966	8.878759	8.932868	8.594426	8.526734	8.182354
HSCB	HSCB	8.85094	9.218526	8.663169	8.723878	8.799685	9.430878	9.019061	8.727935	8.999596	9.005313	8.897122	8.859091
HSD11B1	HSD11B1	6.903415	7.10055	6.838877	7.108541	6.933977	7.02272	6.932971	6.984836	6.945536	7.025394	7.129765	7.353644
HSD11B1L	HSD11B1L	7.462515	7.427062	7.355049	7.791799	7.881062	8.012291	7.666776	7.738868	7.676707	7.676051	7.481558	7.336203
HSD11B2	HSD11B2	8.053567	8.096315	6.955073	7.423325	7.195522	6.902997	6.839765	6.884873	6.897335	6.917878	6.81062	6.824853
HSD17B1	HSD17B1	7.027438	7.399634	7.347788	7.119934	7.186593	7.421232	7.113937	7.146843	7.255681	7.213161	7.185167	7.083127
HSD17B12	HSD17B12	11.91945	11.92192	11.48282	11.83966	11.51284	12.2399	11.49905	11.40135	11.42576	11.21609	10.96158	11.05331
HSD17B13	HSD17B13	6.919601	7.00595	6.795434	6.951172	6.932858	6.930696	6.956819	6.881346	6.888081	6.906564	6.754949	6.723979
HSD17B2	HSD17B2	6.830172	6.809505	6.692776	7.062264	7.019685	6.75744	6.849597	6.89627	6.979347	6.887241	6.634338	6.778181
HSD17B3	HSD17B3	7.04669	7.163978	6.845212	7.118895	7.036917	7.171691	6.92403	7.04278	6.974823	7.093509	6.838452	6.777334
HSD17B4	HSD17B4	11.80514	12.23884	11.77971	11.05761	10.77376	11.21125	10.76079	10.98325	10.71618	10.78379	10.47774	10.25154
HSD17B6	HSD17B6	8.145059	8.328398	7.274429	7.210793	7.149421	7.190692	7.023811	7.103344	6.93555	7.126849	6.866432	6.837709
HSD17B7	HSD17B7	11.07978	11.99086	11.42972	11.78099	12.08588	11.84134	11.94052	11.34972	11.5731	11.37492	11.09684	11.22497
HSD17B8	HSD17B8	7.480366	7.743979	7.217296	7.560893	7.833761	8.84714	9.053088	9.072782	9.024135	9.231299	8.678872	8.67363
HSD3B1	HSD3B1	6.929843	7.159568	6.895917	7.102262	6.966862	7.051447	6.988701	6.944712	6.824565	6.984149	6.799035	6.881537
HSD3B2	HSD3B2	6.779456	7.180362	6.832036	7.060829	7.011661	8.00636	7.311399	7.356739	7.15937	7.0645	6.943918	6.88728
HSD3B7	HSD3B7	7.047206	7.39384	7.006055	7.08915	7.088741	7.177463	7.08453	7.056457	7.13389	7.235551	7.151981	7.147958
HSDL1	HSDL1	8.713005	8.97961	8.517413	9.226265	8.867779	9.36963	8.775349	8.497342	8.555999	8.311465	8.07088	8.750988

HSDL2	HSDL2	8.341289	8.374282	8.033394	9.108125	9.45494	10.36291	9.824906	9.825436	9.475803	9.693297	9.092311	9.371404
HSF1	HSF1	7.526652	7.779352	7.293364	7.54256	7.434526	7.577461	7.458287	7.520303	7.480256	7.597196	7.458503	7.323485
HSF2	HSF2	9.087144	8.983494	9.723888	9.790209	9.613668	10.24217	9.570997	9.710266	9.745192	9.616904	9.229645	9.377101
HSF2BP	HSF2BP	7.168223	7.455813	7.225854	7.479517	7.335951	7.309245	7.15902	7.165445	7.286737	7.191499	7.276676	6.967311
HSF4	HSF4	6.824297	7.001663	6.76809	6.970427	6.820687	6.968749	6.830343	6.947865	7.049	6.868052	6.701337	6.998142
HSF5	HSF5	6.833324	6.942764	6.706992	6.891596	6.832583	6.908461	6.760088	6.912249	6.816138	6.889353	6.729217	6.659914
HSFX1	HSFX1	6.916498	7.132018	6.817885	7.028653	6.901423	6.953185	6.811678	6.939662	6.901859	6.950731	6.856315	6.802943
HSFY1	HSFY1	6.908928	7.022741	6.751174	6.995053	6.945333	6.919397	6.863464	6.922725	6.88781	6.938097	6.822261	6.830638
HSFY2	HSFY2	6.804752	6.936009	6.738	6.963314	6.880604	6.899424	6.821881	6.835794	6.778205	6.856802	6.727357	6.792654
HSGT1	HSGT1	7.620061	7.816894	7.814649	8.081686	7.753132	8.45589	7.716994	8.135656	7.878776	7.988482	7.892364	7.390812
HSH2D	HSH2D	6.963253	7.039408	6.788183	6.961226	6.860606	6.866828	6.94576	6.93666	6.915646	6.937841	6.729789	6.862948
HSMPP8	HSMPP8	8.746684	9.191874	8.528934	8.935973	8.882922	9.070988	8.85501	8.874046	8.791756	8.834621	8.489904	8.779287
HSN2	HSN2	6.939086	7.311316	6.952252	7.587024	7.206323	7.302131	7.135164	7.1523	7.132474	7.00899	6.900106	7.162787
HSP90AA1	HSP90AA1	13.3706	13.69405	13.45434	13.37622	12.82543	13.31503	12.9304	12.94588	13.18019	13.00067	12.89141	13.22307
HSP90AB1	HSP90AB1	13.33151	13.42659	12.93613	12.79705	12.28384	12.31518	11.7941	11.98987	11.94567	11.99774	12.40169	12.20327
HSP90AB2	HSP90AB2	6.915535	7.175687	6.890582	7.040409	6.905141	7.067727	7.011939	6.973943	6.866999	7.010214	6.837872	6.863359
HSP90AB4	HSP90AB4	6.901866	7.014403	6.765889	7.02505	6.920167	6.986778	6.873127	6.905644	6.703968	6.972085	6.783286	6.855142
HSP90AB6	HSP90AB6	7.055847	7.171654	6.880486	7.054597	6.971718	6.993112	6.836588	6.943151	6.897204	6.884092	6.841118	6.843395
HSP90AF	HSP90AF	6.811573	7.048887	6.725945	6.967252	6.918321	6.951354	6.870602	6.998645	6.861955	6.915547	6.744736	6.83451
HSP90B1	HSP90B1	13.55385	13.79008	13.921	14.02107	13.7881	13.41027	12.97378	13.20752	13.09422	12.9956	13.31035	13.60927
HSP90B3P	HSP90B3P	6.818237	7.011006	6.904584	7.073105	6.874508	6.933567	6.947749	6.977162	6.814646	6.95002	6.716045	6.764668
HSPA12A	HSPA12A	7.265073	7.370716	7.173094	7.474152	7.664658	7.888428	7.483889	7.440472	7.616977	7.395689	7.198217	7.333365
HSPA12B	HSPA12B	7.635256	7.3871	7.090276	7.316822	7.300712	7.030411	6.879669	6.985476	7.506487	7.089488	6.716751	6.910811
HSPA14	HSPA14	10.13002	10.22476	10.14441	9.757621	9.207258	10.11359	9.46654	9.489416	9.421486	9.507358	9.128776	9.165002
HSPA1A	HSPA1A	9.695934	10.03834	9.08137	9.787316	9.506069	10.59081	10.74299	10.51738	10.50941	10.44106	10.27113	10.84464
HSPA1B	HSPA1B	10.94951	10.86652	9.822869	10.73201	10.63808	11.25441	10.88341	11.32117	11.31325	11.39036	11.53871	11.78021
HSPA1L	HSPA1L	7.452446	7.471512	7.25613	7.562938	7.504001	8.197716	8.121094	8.18979	7.813889	8.142847	8.055112	8.386666
HSPA2	HSPA2	9.392509	8.873428	7.318379	7.289082	6.988353	7.111168	7.036721	7.108072	7.061404	7.01959	6.877982	6.92501
HSPA4	HSPA4	11.23516	11.71168	10.89104	10.89225	10.12943	10.48441	9.745009	9.742274	9.850783	9.839106	9.731635	10.12397
HSPA4L	HSPA4L	7.498323	7.508367	7.0487	7.102609	7.042547	8.271195	7.851601	7.979614	7.83583	7.916225	7.570332	7.865091
HSPA5	HSPA5	9.797397	9.396548	9.592048	10.23894	10.53386	10.47581	10.2702	10.21187	10.21668	10.11461	10.36101	10.70321
HSPA6	HSPA6	6.759897	7.033307	6.825269	7.051983	7.083673	7.194724	6.819149	7.062594	7.315713	7.312504	7.718281	8.438834
HSPA8	HSPA8	13.65182	14.20441	13.42374	13.57185	12.80655	13.36869	12.96226	13.17412	13.15616	13.14427	13.29661	13.49977
HSPA9B	HSPA9B	12.10622	12.4498	11.72707	11.84726	11.3518	12.09841	11.21474	11.54513	11.4476	11.64205	11.32089	11.63192
HSPB1	HSPB1	11.23458	12.19243	11.19876	11.80699	12.72704	13.754	14.15234	14.01691	14.07005	14.24737	13.95428	13.83953
HSPB2	HSPB2	7.137501	7.40668	7.020507	7.278278	7.386612	7.606339	7.340722	7.413458	7.813586	7.631176	7.240756	7.568501

HSPB3	HSPB3	6.802964	7.018968	6.895819	7.246697	8.04001	11.31108	12.53569	12.93741	12.97181	13.3299	12.37992	12.75225
HSPB6	HSPB6	7.062736	7.276431	6.91223	7.157801	7.0934	7.275163	7.145221	7.295374	7.126169	7.408252	7.80508	7.477932
HSPB7	HSPB7	6.891776	7.051478	6.880277	7.912442	9.99727	13.04389	12.98305	13.22341	12.86198	13.51022	13.58972	13.41172
HSPB8	HSPB8	8.562919	9.306337	8.332199	8.749803	10.48642	12.50342	11.93499	11.32431	11.75401	12.10073	10.66674	12.42984
HSPB9	HSPB9	6.849751	7.037102	6.773035	6.951435	6.872244	6.711716	6.776023	6.92651	6.821767	6.889518	6.624708	6.737019
HSPBAP1	HSPBAP1	8.609673	8.891408	8.340169	8.777955	8.506031	8.667852	8.144266	7.968751	8.187254	7.81704	7.537381	7.952678
HSPBP1	HSPBP1	7.446738	7.633745	7.222101	7.451593	7.29625	7.643956	7.386244	7.513417	7.42232	7.575416	7.706643	7.540357
HSPC023	HSPC023	10.74005	11.58542	11.08953	11.14199	11.16248	11.28465	11.21831	10.94443	11.13374	11.2545	11.01365	10.95201
HSPC047	HSPC047	7.15416	7.221158	7.227534	7.279131	7.275245	7.11582	7.184401	7.199595	7.107206	7.163437	7.063872	7.092917
HSPC049	HSPC049	7.692107	7.82941	7.478464	8.163618	8.055677	7.879265	7.637784	7.825787	7.552291	7.495077	7.301638	7.257387
HSPC065	HSPC065	6.971207	7.176318	7.052499	6.992946	6.921451	7.032511	6.948285	6.932046	7.031376	7.023364	6.850962	6.87165
HSPC072	HSPC072	6.937022	7.141234	6.774102	7.009991	6.979084	6.932016	6.95523	6.984035	6.821676	6.95088	6.718519	6.853307
HSPC105	HSPC105	6.750464	7.082778	6.786737	6.945937	6.9585	6.91611	6.936135	6.903556	6.913648	7.031568	6.761695	6.752945
HSPC111	HSPC111	9.242719	9.689573	8.706547	8.638168	8.28404	8.750947	8.275702	8.004728	8.0809	8.231092	8.45107	8.26692
HSPC117	HSPC117	10.84731	11.27376	11.13648	11.19896	10.98567	11.40004	10.80151	10.814	10.79092	10.61488	10.58856	10.36941
HSPC138	HSPC138	9.942775	10.55431	9.925399	9.921852	9.624016	10.21748	9.786871	9.774931	10.04207	9.90841	9.737579	8.977547
HSPC142	HSPC142	9.944116	10.49572	9.866995	9.945431	9.803186	10.181	9.861268	10.0059	9.841515	10.1672	10.2027	10.01279
HSPC148	HSPC148	10.45865	11.10948	10.71344	10.81245	10.77155	11.21811	10.69306	10.75403	10.97768	10.77427	10.40474	10.3079
HSPC152	HSPC152	12.44656	13.01652	12.34854	12.17201	12.22169	12.24535	12.13785	11.83013	12.45586	12.21163	12.09753	12.00417
HSPC159	HSPC159	8.297246	8.568093	8.094698	7.829446	7.566866	7.901402	7.493592	7.507996	7.687341	7.816417	7.782461	7.900948
HSPC171	HSPC171	9.228661	9.990231	9.51626	9.512268	9.489463	9.830388	9.408848	9.369329	9.432198	9.513827	9.82092	9.341513
HSPC176	HSPC176	10.93564	11.80275	11.28679	11.40021	11.70659	11.48617	11.18149	11.09752	11.28408	11.43052	11.07059	10.97716
HSPC196	HSPC196	8.790673	9.361706	8.649159	8.722284	8.619679	8.97365	8.652855	8.51746	8.821398	8.675338	8.498401	8.496328
HSPC268	HSPC268	8.364368	9.101098	8.74248	9.071825	9.299545	9.592958	9.609768	9.280653	9.251125	9.600573	9.058566	9.256873
HSPCAL3	HSPCAL3	7.168403	7.507851	7.270194	7.241244	7.016083	7.268385	7.144417	7.082457	7.257045	7.165771	6.972691	7.198908
HSPD1	HSPD1	12.84376	13.10347	12.52778	12.39876	12.21089	12.40484	12.0722	11.94823	12.07545	11.96607	11.82251	11.68651
HSPE1	HSPE1	12.92397	13.51147	12.85796	12.52052	12.39463	12.92083	12.62772	12.25377	12.63602	12.42205	12.42311	11.87256
HSPG2	HSPG2	7.154548	7.286984	7.05761	7.29826	7.318304	7.44857	7.235717	7.334138	7.246794	7.268161	7.148352	7.021519
HSPH1	HSPH1	11.3428	11.82403	11.27415	11.40241	10.71699	11.38039	10.64925	10.81524	10.75839	10.75414	11.19976	11.04122
HSU79303	HSU79303	10.54036	10.41905	9.784552	10.60848	10.6954	11.13137	10.99936	10.49575	10.8559	10.73071	9.475929	10.55064
HSZFP36	HSZFP36	7.92889	8.585569	9.074646	9.331225	8.881347	9.283856	8.489332	8.348372	8.400218	8.179987	7.837538	7.98828
HTATIP	HTATIP	7.296581	7.601684	7.341265	7.49496	7.440383	7.631804	7.365372	7.409062	7.48056	7.561808	7.26446	7.486168
HTATIP2	HTATIP2	10.19965	10.4206	9.133076	8.0836	7.515838	8.55478	8.383255	8.510124	8.404221	8.349788	8.521954	8.195756
HTATSF1	HTATSF1	7.052315	7.120771	6.841	7.110364	6.980196	7.140162	7.010502	7.008592	7.005371	7.027519	6.833503	6.842177
HTF9C	HTF9C	7.040269	7.238743	6.950114	7.154263	7.009701	7.211263	7.028255	7.09155	6.988717	7.111543	6.900857	6.987288
HTLF	HTLF	9.964549	10.11023	9.761942	9.617441	9.439418	9.755962	9.160011	9.220326	9.452294	9.339027	8.661946	8.987648

HTN1	HTN1	6.743992	6.962481	6.79995	6.969677	6.766703	6.869889	6.72927	6.787701	6.796897	6.829916	6.653034	6.748406
HTN3	HTN3	6.941366	7.116234	6.859292	7.088423	6.979359	7.10697	6.902924	6.950951	6.896613	6.953594	6.789824	6.842963
HTR1A	HTR1A	6.813834	7.050184	6.785884	6.966367	6.93886	6.947728	6.781331	6.913067	6.761228	6.943548	6.797141	6.768147
HTR1B	HTR1B	6.723603	6.972233	6.771641	6.964399	6.824856	6.871695	6.721037	6.912488	6.841443	6.818383	6.716355	6.736937
HTR1D	HTR1D	6.951673	7.285338	6.829999	7.186347	6.92661	6.981997	6.915162	7.085461	6.904345	6.976818	6.855948	6.91108
HTR1E	HTR1E	7.344363	7.562018	7.334435	8.205833	7.645789	7.265616	7.346372	7.185979	7.031433	7.28773	7.070465	7.116192
HTR1F	HTR1F	6.854676	6.953052	6.766945	7.046395	6.870865	6.76362	6.787363	6.765176	6.798246	6.797546	6.794399	6.738756
HTR2A	HTR2A	10.37128	10.87449	10.53026	10.77374	10.54028	10.99741	10.76107	10.52777	10.51944	10.63262	10.06515	10.32661
HTR2B	HTR2B	6.892079	6.948799	6.746913	7.119458	7.012043	6.897782	6.834118	6.974248	6.964798	6.948845	7.033148	7.07962
HTR2C	HTR2C	6.876811	7.183547	6.908281	7.028135	6.887292	6.902693	6.926446	6.958348	6.932704	6.975771	6.698182	6.941781
HTR3A	HTR3A	7.927221	7.947862	7.006112	7.088381	6.926148	7.008625	6.920622	7.020304	6.917531	6.982492	6.856189	6.88243
HTR3B	HTR3B	6.954234	7.139214	6.903984	7.052239	6.994842	7.006815	6.939962	7.008632	6.898541	6.982914	6.864152	6.888263
HTR3C	HTR3C	6.943725	7.093935	6.891965	7.052768	7.00969	6.981495	7.027296	6.978929	6.883626	6.934738	6.827322	6.927868
HTR3D	HTR3D	6.873606	7.08492	6.878724	7.007682	6.996648	6.973093	6.89083	6.997067	6.982973	6.943677	6.895329	6.871778
HTR3E	HTR3E	6.859003	7.085156	6.70677	6.930548	6.892907	6.872778	6.905982	6.981996	6.814883	6.738459	6.792797	6.851582
HTR4	HTR4	6.883554	7.025226	6.817265	7.129264	7.0859	7.37401	7.176319	7.14766	7.054129	7.078916	6.892477	6.988449
HTR5A	HTR5A	6.889927	6.941239	6.674263	6.958133	6.875272	6.949044	6.837661	6.891232	6.904795	6.773497	6.775087	6.819444
HTR6	HTR6	6.999394	7.288689	6.904803	7.135528	7.042359	7.126798	7.01316	7.027204	7.05818	6.956189	6.912263	6.974058
HTR7	HTR7	7.804983	7.902095	7.201836	7.12452	7.10496	7.206599	7.010706	7.138928	7.035813	7.08961	7.082551	7.143069
HTR7P	HTR7P	6.864249	7.054914	6.905927	6.936834	6.974105	7.058008	6.876428	6.941777	6.811594	6.809907	6.781538	6.835347
HTRA1	HTRA1	9.342323	8.957791	10.18629	10.26856	9.899563	11.18013	10.7323	11.1083	10.72639	10.97624	11.37866	11.00747
HTRA2	HTRA2	7.974003	8.239136	8.119438	8.380822	8.264087	8.883138	8.49727	8.594885	8.368169	8.57578	8.565332	8.268761
HTRA3	HTRA3	6.811906	7.019007	6.780068	7.147128	6.986004	7.002542	6.810421	6.879816	6.916154	6.943845	6.943909	6.875247
HTRA4	HTRA4	7.019186	7.086681	6.812992	7.097762	6.960821	7.075691	6.893018	6.888234	6.97258	7.03613	6.847257	6.912302
HUNK	HUNK	6.876123	7.223013	6.903857	7.153024	7.224358	7.077427	6.88901	6.91295	7.001475	6.839226	6.715798	6.865998
HUS1	HUS1	6.825893	7.126853	6.894378	7.066542	6.936741	7.075804	6.903306	6.995531	6.930891	7.075574	6.789565	6.938022
HUS1B	HUS1B	7.730789	8.068327	7.584303	7.898057	7.733495	8.132058	7.855233	7.788198	7.86208	7.813179	7.517866	7.675476
HUWE1	HUWE1	8.643547	8.763777	8.170062	8.744472	8.408384	8.450409	8.189147	8.208501	8.184898	8.066199	7.934268	8.161418
HYAL1	HYAL1	7.543213	7.457404	6.912419	7.192241	7.268507	7.223887	7.091512	7.071503	7.056129	7.031809	6.860764	7.021129
HYAL2	HYAL2	7.751135	8.060476	7.97517	8.209731	8.0318	8.148228	7.943501	8.141253	7.842087	7.984231	8.014618	7.715358
HYAL3	HYAL3	7.475317	7.807867	7.475929	7.828264	7.569193	7.871663	7.760673	7.873089	7.806074	7.994019	8.003294	7.534586
HYAL4	HYAL4	6.867787	7.122755	6.919989	6.999443	7.001258	7.008798	6.982382	6.934431	6.9379	6.976374	6.882398	6.852657
HYDIN	HYDIN	6.895256	7.032666	6.851347	7.013639	6.931046	7.036169	6.873603	6.947168	6.86738	6.933563	6.790678	6.816418
HYI	HYI	7.324417	7.387793	7.184319	7.606315	7.557783	7.698653	7.40918	7.462551	7.478151	7.513341	7.550801	7.377618
HYLS1	HYLS1	8.890827	9.066264	8.515772	7.933688	7.783196	8.580017	8.015448	8.084882	8.051395	8.014632	7.655396	7.51051
HYMAI	HYMAI	6.739033	6.924559	6.735643	7.134059	7.062606	6.969399	7.00464	6.941623	6.917688	6.92772	6.883286	6.819731

HYOU1	HYOU1	9.497297	9.579579	9.348068	9.425867	8.738279	8.677093	8.391621	8.529612	8.510795	8.459642	8.879359	8.380001
HYPB	HYPB	8.987701	9.310201	9.01855	9.44814	9.167297	9.300985	8.714353	8.900563	8.816284	8.746345	8.568006	8.603744
HYPE	HYPE	7.768613	8.21611	7.670987	7.794197	7.849713	7.741691	7.606739	7.725583	7.865674	7.615313	7.625094	7.813276
HYPK	HYPK	9.934507	10.81399	10.28983	10.6186	10.89504	10.80593	10.8019	10.37862	10.59935	10.33122	10.02146	10.26897
IAH1	IAH1	8.397443	8.394461	8.592335	8.877073	8.695533	9.738855	9.420042	9.480877	9.433153	9.436191	9.636832	9.066442
IAPP	IAPP	7.123463	7.201841	6.919986	7.112785	7.097552	7.018513	6.959208	7.00699	7.080621	7.065153	6.898144	7.068592
IARS	IARS	10.34402	10.80713	10.18871	10.35681	9.937721	10.32817	9.656987	9.892295	9.743315	9.692144	9.851263	9.716133
IARS2	IARS2	10.64288	10.76831	10.69809	10.87841	10.61616	11.19378	10.73546	10.91205	10.77754	10.82566	10.96575	10.90074
IBRDC1	IBRDC1	7.031803	7.368806	7.22363	7.708736	7.777602	8.626815	8.144599	8.126654	8.00171	8.147686	8.20933	8.228359
IBRDC2	IBRDC2	7.704898	8.623166	7.302459	7.146925	6.969825	7.335755	7.142007	7.220719	7.101364	7.156752	6.93294	7.230017
IBRDC3	IBRDC3	7.240035	7.429218	7.316039	7.284452	7.145947	7.652328	7.287973	7.621258	7.202469	7.609656	8.050372	7.463973
IBSP	IBSP	6.926562	7.087314	6.825449	7.016848	6.982779	7.082969	6.874948	6.974928	6.913328	7.041306	6.950526	6.957578
IBTK	IBTK	9.531799	10.38736	9.812019	9.960676	10.24489	10.526	10.23702	9.989627	10.12564	10.07074	9.801674	10.17218
ICA1	ICA1	9.146629	9.389137	8.516389	8.804283	8.72984	9.2636	9.293233	9.190467	9.125633	9.340183	8.890278	8.933589
ICAM1	ICAM1	6.980398	7.149046	6.898972	7.107369	7.011219	7.059981	6.936659	7.249851	7.098142	6.932743	6.885022	6.828139
ICAM2	ICAM2	7.221748	7.43306	7.05973	7.480903	7.520959	7.303181	7.14527	7.221994	7.124034	7.165381	7.062043	7.038195
ICAM3	ICAM3	8.926524	9.062745	8.501405	8.517166	8.344064	8.429999	8.296981	8.165312	8.002111	8.186087	8.481947	7.816989
ICAM4	ICAM4	6.942529	7.020919	6.920871	7.097252	7.159633	7.849822	7.660577	7.74745	7.39716	7.616711	7.104921	7.074072
ICAM5	ICAM5	6.938839	7.05087	6.69293	6.848125	6.979107	7.175798	7.148354	7.116511	7.195235	7.316104	7.070143	6.983581
ICEBERG	ICEBERG	6.806998	7.021886	6.741522	6.921872	6.838597	6.963842	6.948816	6.87601	6.852818	6.909814	6.860823	6.829082
ICF45	ICF45	7.256897	7.598295	7.21799	7.336973	7.499605	7.368502	7.20869	7.328854	7.238899	7.279415	7.138814	7.157894
ICHTHYIN	ICHTHYIN	7.004044	7.103544	6.922332	7.244074	7.064287	7.64745	7.273529	7.508146	7.482814	7.864047	7.886445	7.337818
ICK	ICK	7.463593	7.722286	7.658294	7.964275	7.837873	8.170151	7.78885	7.862589	7.591883	7.670161	7.564859	7.496676
ICMT	ICMT	9.705006	9.631024	9.077083	9.139779	8.628848	8.952835	8.673519	8.748357	8.760978	8.858115	8.818775	8.625836
ICOS	ICOS	7.121274	7.25926	6.931705	7.252154	7.143563	7.265215	7.090995	7.090269	7.129462	7.077138	6.940785	7.007899
ICOSLG	ICOSLG	7.384482	7.644007	7.277945	7.411411	7.606343	8.502986	8.087638	7.929829	8.062841	8.261719	7.841577	8.206411
ICT1	ICT1	9.467908	10.05342	9.18951	9.224638	9.072418	10.31488	9.780092	9.54895	9.891933	10.01118	9.730477	9.405858
ID1	ID1	10.59956	12.1591	11.23256	11.12272	10.17535	9.860563	9.541234	9.394272	9.690752	9.244447	9.645414	8.863225
ID2	ID2	10.29201	10.90545	11.55779	12.46237	11.99509	12.52716	11.74207	11.58053	11.98037	11.3588	10.97486	10.54322
ID2B	ID2B	6.889832	7.012577	6.887402	7.181122	6.94673	7.017841	6.796063	6.996212	6.839105	7.012572	6.941234	6.810722
ID3	ID3	11.30936	12.16932	12.47449	12.37557	11.79417	12.31472	11.91057	11.86563	12.01656	11.66574	11.91055	10.98606
ID4	ID4	6.989084	7.656839	7.470956	7.876487	7.515798	7.690899	7.85788	7.317011	7.508805	7.142937	6.894568	6.9204
IDE	IDE	8.712799	9.190556	8.872626	8.901555	8.220597	8.751475	8.284399	8.424044	8.395742	8.497203	8.293747	8.183279
IDH1	IDH1	11.9501	11.74703	11.58137	11.32279	11.49428	10.81199	10.20692	10.13849	10.24735	9.601733	9.691198	9.318202
IDH2	IDH2	9.342275	9.257287	8.840081	10.2903	10.33965	11.46942	11.29051	11.46571	11.0251	11.44136	10.90782	10.78402
IDH3A	IDH3A	7.837912	8.346817	7.475522	8.355495	8.73866	10.75072	10.22756	10.85001	10.38701	11.0829	10.92118	10.88402

IDH3B	IDH3B	10.56521	10.80984	10.32842	10.51982	10.41916	11.46165	11.10038	11.31292	11.15386	11.30345	10.96393	10.85744
IDH3G	IDH3G	8.126559	8.215146	7.936487	8.540517	8.477651	9.137731	8.963042	9.15086	8.947547	9.238865	9.32217	8.923387
IDI1	IDI1	9.156946	9.12014	8.971194	9.351692	9.034025	9.241099	9.141993	9.022642	9.522187	9.253617	9.025053	8.800108
IDI2	IDI2	6.86746	6.929083	6.812082	7.001066	6.895811	7.144488	6.774004	6.899196	6.941906	6.872844	6.770626	6.878449
IDS	IDS	7.919854	8.815279	8.146403	8.431472	8.677498	9.064526	8.834085	8.966905	8.813316	8.932862	9.258484	9.205548
IDUA	IDUA	7.254172	7.311419	7.107824	7.918066	7.644318	7.952303	7.815195	8.039982	7.889353	7.920895	8.41164	7.644275
IER2	IER2	7.51848	7.861214	7.178635	7.44856	7.315933	7.395085	7.125747	7.090934	7.186183	7.207427	7.184989	7.052802
IER3	IER3	9.263413	9.242894	10.77184	9.331477	8.742413	10.029	10.04656	10.88644	10.71732	11.66756	12.38995	11.59889
IER3IP1	IER3IP1	8.596205	8.960126	8.785776	9.420467	9.31622	10.07789	10.12433	9.869798	10.40257	10.20891	9.850313	10.04424
IER5	IER5	8.09687	8.01121	8.330201	8.498323	8.064135	9.405125	8.449244	8.60491	8.465555	8.661863	8.30427	8.158498
IER5L	IER5L	6.913497	7.125675	7.29754	7.697049	7.745247	7.94801	7.32577	7.559454	7.480989	7.37974	7.772336	7.411635
IFI16	IFI16	6.887761	7.397943	8.450037	8.957349	7.923407	8.313643	8.729745	9.068409	9.165443	8.948851	9.34926	9.338392
IFI27	IFI27	7.020304	7.109716	6.905041	7.420329	7.138611	7.15157	7.31433	7.287257	7.360624	7.288401	7.308081	7.014861
IFI30	IFI30	7.261507	7.338713	7.150357	7.082158	6.927041	7.143363	6.953558	7.000536	7.01917	7.142854	6.960174	6.925737
IFI35	IFI35	7.105979	7.599575	7.197184	7.267053	7.252919	7.28344	7.592067	7.676006	7.535567	7.925379	8.059836	7.581274
IFI44	IFI44	6.849298	7.059785	6.828854	7.137617	6.923895	6.907758	7.11562	7.445085	7.866984	7.477871	7.465192	7.464117
IFI44L	IFI44L	6.832625	6.94454	6.855175	7.037854	6.875823	7.012486	6.97787	6.918895	7.250727	6.944294	6.905654	6.895062
IFI6	IFI6	7.415713	7.780368	6.957756	7.595317	7.848251	8.028693	8.082619	8.046884	8.2755	8.291598	7.869449	8.292669
IFIH1	IFIH1	7.40046	7.555003	6.904392	7.138826	7.473629	7.078217	7.138566	7.20357	7.362036	7.495238	7.372084	7.697007
IFIT1	IFIT1	7.4159	7.481096	7.150806	8.886187	9.599234	9.310265	8.690415	8.978656	8.833638	8.859602	8.331436	8.887303
IFIT1L	IFIT1L	6.8429	7.099338	6.691045	7.056598	7.01129	6.90373	6.845676	6.855132	6.853462	6.859443	6.794785	6.846364
IFIT2	IFIT2	7.030364	7.212062	7.12463	7.184894	7.054514	7.16251	7.096976	7.247472	7.480091	7.260085	7.153203	7.742813
IFIT3	IFIT3	6.826424	7.029257	6.808177	6.998444	7.004722	6.911502	6.914581	6.997447	6.960753	6.920291	6.831025	7.022921
IFIT5	IFIT5	7.038644	7.278408	7.058795	7.420581	7.274176	7.385933	7.281389	7.283688	7.470012	7.391625	7.065391	7.297296
IFITM1	IFITM1	11.8409	11.23819	12.12362	10.37703	10.39004	9.208417	9.520933	9.340581	9.837478	8.870341	9.288449	8.750858
IFITM2	IFITM2	12.12628	11.78453	11.73994	12.53234	12.84023	12.28259	12.6992	12.60104	12.86615	12.93442	13.40212	12.82131
IFITM3	IFITM3	12.03866	11.81382	11.78658	12.33305	12.75129	12.58685	12.65021	12.7571	12.77689	12.89078	13.62726	12.99445
IFITM4P	IFITM4P	7.03108	7.154883	6.911366	7.133893	7.13164	7.083159	7.00597	7.045584	7.069984	7.054572	6.961214	7.006539
IFITM5	IFITM5	6.866013	7.048099	6.797738	6.883611	6.861785	6.91068	6.775907	6.909564	6.813635	7.052176	6.67828	6.772027
IFNA1	IFNA1	6.739423	6.910652	6.716533	6.806734	6.827166	6.922093	6.763345	6.828858	6.796669	6.888831	6.673537	6.770894
IFNA10	IFNA10	6.886909	7.083547	6.782378	6.927193	6.912769	6.973178	6.751589	7.142745	6.821525	6.887043	6.816148	6.888766
IFNA13	IFNA13	6.911158	6.949062	6.884198	6.97018	6.928768	6.974225	6.886968	6.867432	6.897046	6.919321	6.79535	6.813992
IFNA14	IFNA14	6.897355	7.137392	6.791444	7.050111	6.894842	7.065175	6.95709	6.941661	6.873361	7.013758	6.789266	6.820669
IFNA16	IFNA16	6.878954	7.006039	6.800272	7.032989	6.885315	7.003603	6.883251	6.932643	6.896987	6.906174	6.756974	6.77084
IFNA17	IFNA17	6.783049	7.05216	6.800452	6.986626	6.868977	6.902338	6.894323	6.880308	6.812982	6.88988	6.695859	6.866383
IFNA2	IFNA2	6.901425	6.874714	6.709639	7.036494	6.893368	6.868733	6.959804	6.870837	6.875118	6.8556	6.762096	6.752378

IFNA21	IFNA21	6.904683	7.089655	6.93378	7.107189	7.018596	7.022274	6.908308	7.121402	6.936259	7.029444	6.73565	6.789355
IFNA4	IFNA4	6.911901	7.093108	6.882335	7.125633	6.990199	7.075223	6.962607	7.057317	6.932819	7.044716	6.865031	6.905142
IFNA5	IFNA5	6.874811	7.010126	6.759183	7.048059	6.876082	6.973447	6.742786	6.86613	6.909666	6.929971	6.775006	6.764736
IFNA6	IFNA6	6.845856	6.923963	6.760278	7.000802	6.776044	6.90879	6.965545	6.953204	6.853337	6.874085	6.643724	6.877697
IFNA7	IFNA7	6.871556	7.104732	6.905338	7.087493	6.980883	7.010901	6.879045	6.939401	6.965705	6.992679	6.83231	6.771654
IFNA8	IFNA8	7.656184	7.974862	7.500332	7.629631	7.488262	7.608845	7.510601	7.453371	7.409275	7.45301	7.60682	7.448865
IFNAR1	IFNAR1	7.211022	7.746301	7.248912	7.905865	8.488414	8.678619	8.441955	8.561496	8.541981	8.173326	8.221636	8.444339
IFNAR2	IFNAR2	7.680578	7.660119	7.541168	7.631654	7.570087	7.697985	7.601475	7.608885	7.682551	7.688706	7.704461	7.53113
IFNB1	IFNB1	6.812752	6.991837	6.687457	6.938105	6.762399	6.921029	6.738006	6.875621	6.860124	6.766499	6.666595	6.812024
IFNE1	IFNE1	6.926804	7.047785	6.797851	7.010342	6.923097	6.958287	6.841438	6.950613	6.953246	6.914583	7.110809	7.235334
IFNG	IFNG	6.911815	7.016447	6.756734	7.007474	6.914721	6.952059	6.914173	7.017024	6.896802	7.007951	6.91593	6.865887
IFNGR1	IFNGR1	9.799305	10.39578	10.20135	10.19997	10.14029	10.51024	9.844802	10.0445	10.12494	10.04147	10.19632	10.04558
IFNGR2	IFNGR2	10.97603	11.45468	11.07203	11.51833	11.61501	11.40471	11.1241	11.38118	11.33989	11.34778	11.44269	10.81024
IFNK	IFNK	6.805941	6.948301	6.793355	7.07481	6.837635	6.874356	6.865457	6.852531	6.881168	6.880598	6.665577	6.793549
IFNW1	IFNW1	6.902975	7.03384	6.903212	7.095055	6.980694	6.983139	6.934762	6.976921	6.954788	6.925429	6.911283	6.943902
IFP38	IFP38	9.783277	10.12236	9.45663	9.507127	9.565311	8.992971	9.458756	8.69795	9.369163	9.230204	8.666171	9.116462
IFRD1	IFRD1	8.273423	9.167544	8.393618	8.653298	8.340138	8.651304	8.145948	8.310447	8.595105	8.560633	8.834857	8.948545
IFRD2	IFRD2	8.587815	9.000449	8.128901	8.207818	8.107902	8.754976	8.336276	8.526872	8.411241	8.498698	8.774144	8.733047
IFRG15	IFRG15	7.230711	7.491049	7.128122	7.315358	7.222795	7.570325	7.013484	7.210066	7.158379	7.107947	6.845347	6.920271
IFT122	IFT122	7.973238	8.270946	7.814369	8.132808	8.023902	7.895271	8.024003	7.925947	7.998494	7.884633	7.464048	7.4946
IFT140	IFT140	7.225172	7.369833	7.079049	7.472615	7.610205	7.328733	7.186245	7.406632	7.36837	7.376888	7.205198	7.122093
IFT172	IFT172	7.508726	7.697451	7.452815	8.002466	7.834827	7.904257	7.707453	7.873799	7.721835	7.711571	7.39799	7.580883
IFT20	IFT20	8.61256	9.477421	9.220806	9.673253	9.876787	10.21995	9.90078	9.844895	9.87155	9.859833	9.851009	9.615301
IFT52	IFT52	8.338877	8.75565	8.471464	8.794335	8.67891	8.255534	7.895377	8.034178	8.173418	7.829195	7.861855	7.809031
IFT57	IFT57	7.606722	7.621027	7.700105	7.935558	7.954855	8.375443	8.04201	7.856661	7.95646	7.929585	7.288609	7.359433
IFT74	IFT74	9.144963	9.467659	9.206904	9.449148	9.452524	9.955271	9.733135	9.289888	9.860312	9.58381	8.79528	9.463261
IFT80	IFT80	6.937479	7.167849	6.796341	6.993751	7.067252	7.097553	6.907285	7.054914	7.018865	6.967476	6.864939	6.938249
IFT81	IFT81	7.218419	7.387915	7.299101	7.805521	7.624882	8.035062	7.760608	7.845467	7.664073	7.575574	7.260158	7.365173
IFT88	IFT88	7.069367	7.388961	7.373899	7.766031	7.848606	8.333798	7.897768	7.940767	8.048495	7.891962	7.579317	7.926733
IGBP1	IGBP1	9.690297	9.910789	9.538006	9.574884	9.970475	10.27002	9.776201	9.609482	9.883126	9.747779	9.661835	9.31223
IGF1	IGF1	6.882471	7.124142	6.83452	7.084195	7.117892	7.090865	7.042624	7.145211	7.158815	6.984262	6.880184	6.855743
IGF1R	IGF1R	7.479796	7.759352	7.279822	7.674139	7.3385	7.369002	7.158388	7.256325	7.240793	7.256533	7.36437	7.314127
IGF2	IGF2	6.84607	6.983782	6.895514	9.134775	9.344893	7.78274	8.300421	8.989773	9.059909	9.312558	9.747963	9.665495
IGF2AS	IGF2AS	6.813361	7.145615	6.86208	7.33032	7.272579	7.005181	6.939301	7.024965	7.126064	7.005709	6.967787	7.097818
IGF2BP1	IGF2BP1	7.536431	7.990126	7.262314	7.62102	7.46209	7.396951	7.460135	7.171652	7.260051	7.108445	7.02417	6.943757
IGF2BP2	IGF2BP2	10.9693	11.60695	10.82635	11.21791	11.10523	11.40482	10.70077	10.83677	10.55944	10.63217	10.38752	9.885895

IGF2BP3	IGF2BP3	11.97942	12.25409	11.03562	11.05747	11.14861	10.92609	10.28285	10.38996	10.08771	9.761154	10.04769	8.807686
IGF2R	IGF2R	11.28389	11.75834	11.06099	11.30879	11.01092	11.27978	10.67387	10.6569	10.70819	10.26856	10.55842	10.54445
IGFALS	IGFALS	6.987939	7.178137	6.911072	7.074271	6.957638	7.208668	6.967648	7.138653	7.05061	7.049861	6.876632	7.030889
IGFBP1	IGFBP1	6.993523	7.243566	6.907615	7.15049	7.095435	7.084406	6.981509	6.961441	6.925638	7.068167	6.91809	6.923583
IGFBP2	IGFBP2	10.55395	10.32433	8.719073	8.70078	8.559645	7.853307	8.110166	8.806368	9.04334	9.053259	9.543133	8.514515
IGFBP3	IGFBP3	7.430226	8.625101	7.772356	11.72099	12.263	10.37252	10.27478	10.44791	10.28373	9.50299	10.34345	9.422251
IGFBP4	IGFBP4	9.758883	9.024017	10.38079	10.32291	9.566169	9.133442	8.996426	9.324826	9.742205	9.098268	10.4863	9.430257
IGFBP5	IGFBP5	7.308211	7.268292	8.24647	9.522425	11.50235	12.00391	12.36	12.59351	13.06282	12.47331	13.35309	13.10227
IGFBP6	IGFBP6	7.841085	10.08268	9.224773	10.88585	9.411213	11.10248	10.85876	10.96992	10.79301	10.74145	11.32059	10.52757
IGFBP7	IGFBP7	6.839066	7.177496	7.929276	9.346599	9.536936	10.80604	11.75196	12.66713	12.01381	12.60198	13.4214	12.03072
IGFBPL1	IGFBPL1	7.046362	7.11113	6.841265	7.190587	7.028629	7.145357	6.904349	6.932658	6.957823	6.964022	6.779341	6.938246
IGFL1	IGFL1	6.868549	7.117117	6.785193	6.950828	6.904261	6.931502	6.769967	6.91123	6.86144	6.968519	6.766778	6.788205
IGFL2	IGFL2	6.7956	7.003787	6.797335	6.946529	7.037893	7.110123	7.101124	7.106779	7.121723	7.003473	6.933885	6.796271
IGFL3	IGFL3	7.404982	7.430126	7.057439	7.456208	7.32764	7.537744	7.324166	7.255391	7.237909	7.180207	6.967848	7.136518
IGFL4	IGFL4	6.730932	6.955731	6.791985	6.919688	6.871746	6.937239	6.800712	6.884401	6.923587	6.911831	6.76346	6.813546
IGHMBP2	IGHMBP2	7.329632	7.548186	7.140265	7.384774	7.320637	7.394213	7.169983	7.346494	7.189779	7.353888	7.145156	7.123255
IGJ	IGJ	6.904166	6.923429	6.85701	6.983097	6.959637	7.001703	6.886938	6.850942	6.95573	6.966585	6.678618	6.918982
IGLL1	IGLL1	6.878477	7.014369	6.809237	7.051487	6.944752	7.027735	6.916565	6.90766	6.908891	6.957513	6.813534	6.883612
IGSF1	IGSF1	8.306185	8.580669	8.097954	7.459165	7.108017	7.155194	6.989804	7.090493	7.046559	7.052595	6.920919	7.009859
IGSF10	IGSF10	7.050345	7.123668	6.784004	7.221199	7.020087	7.050266	6.864588	6.993787	7.02514	6.935485	6.850987	6.908468
IGSF11	IGSF11	7.13863	7.335697	7.071176	7.188005	7.113407	7.341272	7.039933	7.122181	7.064056	7.092338	6.954108	7.033459
IGSF2	IGSF2	6.949821	7.074939	7.00429	7.159106	6.998561	6.918356	6.910026	6.952672	6.954064	6.887101	6.906095	6.894925
IGSF21	IGSF21	8.421192	7.306414	7.034404	7.114631	6.935049	6.920201	6.820272	6.896281	6.844121	6.830156	6.656691	6.744785
IGSF22	IGSF22	6.777378	7.038109	6.840574	6.889608	6.83715	6.855427	6.736302	6.893709	6.865012	6.914902	6.717313	6.754481
IGSF3	IGSF3	9.286262	9.326881	9.607703	10.2698	10.18058	11.05803	10.31365	10.04517	9.733697	9.410131	8.866615	8.958927
IGSF4	IGSF4	9.197333	9.898375	11.35118	11.57214	11.46071	12.06469	11.14536	10.84237	10.68161	10.67629	10.47673	10.90495
IGSF4B	IGSF4B	6.970502	7.235497	6.994766	7.368163	7.377825	6.941665	6.860765	6.966323	7.283445	6.896063	6.878838	6.794095
IGSF4C	IGSF4C	7.399463	7.419732	7.122	7.585486	7.839856	8.59675	8.083103	7.956627	8.023101	7.997431	7.573877	7.701031
IGSF4D	IGSF4D	7.200069	7.274429	7.109568	7.096144	6.981822	6.951711	6.952837	7.250322	7.434994	7.266187	6.91908	7.005653
IGSF6	IGSF6	6.83489	7.111535	6.74295	6.990135	7.021885	6.988071	6.942944	6.802954	7.030465	6.861418	6.756382	6.88012
IGSF8	IGSF8	7.354165	7.328513	6.991832	7.159709	7.017332	7.055909	6.910963	7.112763	7.015963	7.094148	6.852069	6.950349
IGSF9	IGSF9	7.970002	8.239657	7.249011	7.731888	7.617898	7.10846	6.887705	6.996098	7.302367	6.956722	6.930698	6.810246
IGSF9B	IGSF9B	7.441326	7.664517	6.998262	7.13307	7.048457	7.269309	7.355542	7.525851	7.361248	7.442156	7.091759	7.202711
IHH	IHH	6.797118	7.038313	6.870226	7.457154	7.009324	6.974381	6.782265	6.860743	6.866057	6.900029	6.65131	6.728351
IHPK1	IHPK1	8.670905	8.934052	8.376297	9.165201	9.229809	8.984634	8.695317	8.597984	8.715805	8.611473	8.436361	8.861021
IHPK2	IHPK2	8.612581	8.869431	8.539408	8.948899	8.621783	8.665642	8.029933	8.246438	8.14344	8.145442	8.082774	7.793003

IHPK3	IHPK3	7.036129	7.242646	7.04341	7.352541	7.307432	7.609852	7.165358	7.12223	7.125414	7.175513	6.935707	7.064267
IIP45	IIP45	7.639006	7.866397	7.478382	7.683849	7.375609	7.547936	7.226496	7.551356	7.337991	7.537649	7.32621	7.202396
IK	IK	10.03612	10.38333	10.25465	10.5146	10.3485	11.29941	10.50392	10.79599	10.67216	10.70342	10.43124	10.46516
IKBKAP	IKBKAP	7.134437	7.400876	7.114961	7.393782	7.229266	7.54844	7.296049	7.319813	7.184446	7.261115	7.11081	7.233986
IKBKB	IKBKB	7.854044	8.035579	7.454702	7.882014	7.798602	7.825747	7.655894	7.623961	7.701037	7.665398	7.39489	7.583882
IKBKE	IKBKE	7.430248	7.65444	7.684479	7.460731	7.548986	7.720725	7.521862	7.487625	7.458173	7.374027	7.446762	7.226241
IKBKG	IKBKG	9.453992	9.678975	9.104325	9.373647	9.360441	9.992042	9.525089	9.463091	9.662412	9.466038	9.201276	9.589636
IKIP	IKIP	7.3873	7.708754	7.614061	8.178539	8.132952	8.097428	7.796045	7.701362	7.653584	7.500487	7.906226	7.640195
IKZF3	IKZF3	6.998719	6.976516	6.745966	6.996542	6.798623	6.830792	6.816348	6.865048	6.772464	6.860774	6.75675	6.786893
IL10	IL10	10.07056	11.03557	10.60773	11.02751	10.91201	10.80509	10.84817	10.16256	10.74342	10.03602	9.41975	10.29501
IL10RA	IL10RA	6.892472	7.297766	7.013276	7.206839	7.144515	7.236156	6.994721	7.071452	7.080011	7.234619	7.00309	6.958165
IL10RB	IL10RB	7.44759	7.691116	7.887893	8.247654	8.696275	8.976101	8.821487	8.878905	8.976395	8.967205	9.20021	9.201432
IL11	IL11	7.068897	7.768755	7.233078	7.58263	7.422257	7.992722	7.158471	7.309037	7.290889	7.27763	8.597256	8.16065
IL11RA	IL11RA	7.641601	7.515997	7.888071	8.766565	9.682769	10.25184	10.17062	10.23639	10.57413	10.17238	9.72641	10.11425
IL12A	IL12A	7.128398	7.271669	6.760671	7.029951	6.978258	7.031602	6.93806	6.91552	6.88602	6.908583	6.921477	6.981999
IL12B	IL12B	6.747231	6.892099	6.734044	6.967041	6.907092	6.991996	6.751817	6.867227	6.858862	6.908308	6.740119	6.853077
IL12RB1	IL12RB1	6.860492	7.053056	6.822393	7.0246	6.979833	6.978826	6.927598	6.893615	6.926752	6.84498	6.816308	6.844217
IL12RB2	IL12RB2	7.006745	7.459688	6.989092	7.229605	7.191793	7.118335	6.998066	7.082025	7.1568	7.028795	6.827455	7.015342
IL13	IL13	6.888667	7.107229	6.785698	6.94391	6.929893	6.879495	6.953079	6.890628	6.872588	6.847841	6.69085	6.794894
IL13RA1	IL13RA1	8.812623	9.096621	10.75926	10.17104	10.22207	10.7252	10.50349	10.7961	10.4793	10.63157	10.94364	10.67544
IL13RA2	IL13RA2	6.816758	6.930294	6.615782	7.015767	7.019634	6.973133	6.842072	6.850924	6.871566	6.857062	6.715367	6.838477
IL15	IL15	7.026632	7.247266	6.892017	7.143024	7.029239	7.165874	7.028587	7.086018	7.146977	7.129672	7.135054	7.153785
IL15RA	IL15RA	6.885776	7.137582	6.846531	7.05981	6.959435	7.053167	6.875888	6.995878	6.903545	6.97767	6.878637	6.9081
IL16	IL16	6.978244	7.142413	6.921072	7.069933	7.041459	7.053361	6.955413	7.004314	6.989766	6.985137	6.859875	6.986773
IL17	IL17	6.794314	6.982413	6.716976	7.060434	6.892307	6.880668	6.782903	6.833717	6.825164	6.932664	6.839984	6.790147
IL17B	IL17B	6.884086	7.007114	6.840345	7.166164	6.939543	7.229578	7.257254	7.191176	8.014317	7.600056	7.136409	7.045527
IL17C	IL17C	7.036618	7.26996	6.974431	7.149324	6.932846	7.3042	6.961442	7.064874	6.99328	7.026819	6.902076	6.950958
IL17D	IL17D	7.85012	8.020326	7.66742	9.363748	9.906315	11.34905	10.58203	10.02006	9.970693	9.299038	8.692194	8.740424
IL17E	IL17E	6.965687	7.111763	6.945379	7.01572	7.011799	7.187652	6.980517	7.061505	6.915326	7.146434	7.00734	6.884207
IL17F	IL17F	6.87664	7.022601	6.777897	6.963319	6.940544	6.96219	6.939336	6.838455	6.775104	6.91451	6.724761	6.851429
IL17R	IL17R	7.143528	7.420216	7.039996	7.253817	7.094298	7.038738	7.046866	7.026421	6.990123	7.039379	6.979507	7.104728
IL17RB	IL17RB	8.363418	8.508026	7.608847	7.768035	7.302735	7.780304	7.6366	7.536603	7.597565	7.566914	7.093805	7.15966
IL17RC	IL17RC	6.995059	7.158311	6.912928	7.134635	7.089408	7.141761	7.131791	7.140956	7.072384	7.151559	7.031683	7.084326
IL17RD	IL17RD	8.306106	9.132102	8.912523	8.821278	8.992479	8.883514	8.922616	8.33221	8.761728	8.472704	8.226148	8.540531
IL17RE	IL17RE	6.922008	7.071291	6.879943	7.083116	6.928917	7.024174	6.895332	6.979853	6.896687	7.016533	6.800643	6.928816
IL18	IL18	12.90894	13.81788	13.30548	13.83598	13.65404	13.4984	13.65384	13.05859	13.47632	13.07718	12.3763	13.17911

IL18BP	IL18BP	7.174211	7.340512	7.209807	7.435898	7.193771	7.024334	7.043122	7.042231	7.078541	7.090596	7.131893	7.094952
IL18R1	IL18R1	6.795383	6.864878	6.733084	7.198758	7.510084	7.107471	7.281706	7.337039	7.286088	7.003607	7.025825	6.840369
IL18RAP	IL18RAP	6.85796	7.014696	6.715086	7.088782	7.04923	7.035441	6.970519	6.949101	6.980194	6.968552	6.807488	6.843351
IL19	IL19	6.956271	7.06502	6.811927	7.050147	6.950439	7.038171	6.921953	7.017157	6.904326	7.007942	6.819246	6.837984
IL1A	IL1A	7.218164	7.64487	6.809748	7.168602	7.058485	6.954838	6.865147	6.937309	6.970465	6.89796	7.309398	7.511175
IL1B	IL1B	6.930742	7.013928	6.799964	6.943074	6.926706	7.033887	6.851159	7.008493	7.261616	7.56728	8.676428	8.507953
IL1F10	IL1F10	6.906426	7.059021	6.737117	7.000543	6.900131	6.983981	6.90505	6.944697	6.822115	6.979068	6.763888	6.80137
IL1F5	IL1F5	6.956744	7.143202	6.867654	7.116984	7.035485	7.098634	6.97121	7.000403	7.003237	7.033504	6.875928	6.888165
IL1F6	IL1F6	6.841787	7.065334	6.883204	7.020577	6.958891	6.987851	6.950114	6.986546	7.035397	6.950505	6.793742	6.886005
IL1F7	IL1F7	7.22683	7.707956	6.946081	7.060623	6.941869	6.930709	6.975948	6.941708	6.947647	6.979543	6.763171	6.86044
IL1F8	IL1F8	6.838906	7.061643	6.767671	7.007452	6.928916	6.992396	6.85467	6.962412	6.860507	6.877606	6.779639	6.795614
IL1F9	IL1F9	6.882973	6.995911	6.797293	7.077439	6.949799	6.926292	6.901155	6.959572	6.985425	6.945174	6.69195	6.917779
IL1R1	IL1R1	6.838915	7.118984	6.84141	7.128578	7.20045	7.216952	7.063052	7.248278	7.44339	7.35266	7.284744	7.446964
IL1R2	IL1R2	6.865835	7.159523	6.86976	7.03982	6.960145	6.992194	6.913857	6.958076	6.950427	7.021606	6.904599	6.806884
IL1RAP	IL1RAP	6.978865	7.106929	6.948092	7.083047	7.106677	7.396212	7.41402	7.62149	7.483004	7.705233	7.662832	7.468003
IL1RAPL1	IL1RAPL1	7.080733	7.183355	7.525735	7.734236	8.023941	7.98229	7.599335	7.626447	7.777403	7.504996	7.687404	7.667869
IL1RAPL2	IL1RAPL2	7.157934	7.090816	6.992666	7.17825	6.97968	6.947245	6.964161	7.003794	6.858181	7.002065	6.807538	6.819997
IL1RL1	IL1RL1	6.872247	7.046395	6.82369	7.006644	6.916858	7.003064	7.0485	7.166013	6.983166	6.990767	6.902231	6.823827
IL1RL2	IL1RL2	6.815596	7.037415	6.82631	6.989303	6.940848	7.022238	6.862037	6.960923	6.931014	6.894176	6.75813	6.844135
IL1RN	IL1RN	6.945699	7.167001	6.918545	7.109872	7.031627	7.160531	6.985392	7.01323	6.940176	7.016742	6.871317	6.960709
IL2	IL2	6.849838	7.032378	6.835512	6.916859	6.921856	6.89603	6.794827	6.889404	6.88657	6.953731	6.698419	6.75842
IL20RA	IL20RA	6.97503	7.407815	7.076733	7.10222	7.080152	7.221697	7.128754	7.118064	7.20662	7.240703	6.86367	6.985268
IL21	IL21	6.734335	6.998447	6.760072	7.052415	6.903487	7.063273	6.885816	6.872909	6.916463	6.870936	6.823359	6.818718
IL21R	IL21R	6.99728	7.124266	6.834061	7.106447	7.016944	7.037068	6.971986	6.998888	6.999317	7.02639	6.829509	6.919067
IL22	IL22	6.920035	7.058872	6.774823	7.039946	6.915302	6.854542	6.85212	6.916987	6.849926	6.93016	6.728387	6.83463
IL22RA1	IL22RA1	6.943596	7.295497	6.973543	7.028857	7.008429	6.978983	6.9043	6.989743	6.915098	6.956363	6.833884	6.831075
IL22RA2	IL22RA2	6.905246	7.108752	6.852215	7.012865	6.931634	6.99073	6.908106	6.951832	6.951539	6.964325	6.825953	6.858021
IL23A	IL23A	6.976387	7.164953	8.09396	7.117313	6.893032	6.955033	6.923039	6.903809	6.825244	6.821699	6.709098	6.878686
IL23R	IL23R	6.869719	7.033411	6.735628	7.035385	6.941875	6.885058	6.81708	6.890501	6.873075	6.920129	6.691278	6.85716
IL24	IL24	6.847188	7.184447	6.864485	6.998836	6.936345	6.966322	6.918629	7.070342	6.831851	7.037612	7.056132	7.115609
IL25	IL25	6.89961	7.059855	6.823559	7.048807	6.863768	6.996797	6.871886	6.89668	6.967306	6.905243	6.725938	6.776017
IL26	IL26	6.898596	7.054622	6.820116	7.04588	6.929218	6.887753	6.881748	6.992782	6.98046	7.005383	6.76437	6.921707
IL27	IL27	6.859904	7.008881	6.78671	6.962004	6.872591	6.830682	6.852961	6.939626	6.807327	6.959036	6.821775	6.812291
IL27RA	IL27RA	7.949798	8.445968	7.503659	7.593471	7.300277	7.23279	7.135447	7.359468	7.374076	7.367606	7.287405	7.106392
IL28A	IL28A	6.909751	7.112186	6.866424	7.043188	6.948082	6.994948	6.974581	7.008235	6.903726	6.90683	6.84314	6.738935
IL28B	IL28B	6.865627	7.008214	6.855616	6.945741	6.875629	7.235365	7.070712	7.203825	7.226238	7.426559	7.371192	7.434592

IL28RA	IL28RA	7.79764	8.24273	7.581335	7.5526	7.669944	7.813798	7.624691	7.535705	7.562728	7.704952	7.226275	7.539656
IL29	IL29	6.926902	7.129564	6.846815	7.094282	6.981564	7.008081	6.900241	6.924903	6.820918	6.929275	6.728546	6.93541
IL2RA	IL2RA	6.855923	7.152664	6.871985	7.015046	6.85844	7.005109	6.880597	6.980631	6.997814	6.936119	6.807049	6.859267
IL2RB	IL2RB	7.016191	7.145633	7.087873	7.423736	7.138702	7.052969	6.94503	6.95358	7.040252	6.862327	6.848894	6.864816
IL2RG	IL2RG	6.899629	7.014945	6.758746	6.950774	6.816479	6.865959	6.842705	6.952964	6.876967	6.894529	6.758823	6.759141
IL3	IL3	6.874647	6.898069	6.807785	6.808704	6.767714	6.854094	6.693861	6.782898	6.830696	6.845853	6.720038	6.814166
IL31	IL31	6.898619	7.023741	6.732526	6.941128	6.819979	6.862897	6.872076	6.94657	6.906397	6.90529	6.811203	6.838868
IL31RA	IL31RA	6.903936	7.148202	6.873412	7.052747	6.884608	7.008628	6.889412	6.964877	6.908598	6.932866	6.802655	6.78974
IL32	IL32	7.08499	7.464725	6.911653	7.114144	6.9326	7.043303	6.908891	6.976875	7.131094	7.205173	7.123413	7.164304
IL33	IL33	6.870613	7.038878	6.85015	7.010081	6.933319	7.216942	7.368135	7.692131	7.841345	7.653384	7.944469	7.157644
IL3RA	IL3RA	6.988992	7.232828	6.894284	7.227591	7.037081	7.14033	6.98582	7.119418	6.910907	6.923735	6.833284	6.917174
IL4	IL4	6.846798	6.951581	6.819563	7.00704	6.850119	6.862766	6.790398	6.902266	6.811722	6.832692	6.752885	6.798258
IL4I1	IL4I1	6.861372	6.935087	6.767137	6.934324	6.878487	6.946999	6.742166	6.910385	6.850696	6.92438	6.678328	6.826579
IL4R	IL4R	7.363682	7.707261	7.449411	7.492513	7.369728	7.563299	7.589301	7.64275	7.497177	7.666862	7.643465	7.318448
IL5	IL5	6.952528	7.123213	6.927345	7.079309	6.952192	7.012614	6.875865	7.009536	6.905009	6.964634	6.763616	6.818993
IL5RA	IL5RA	7.067375	7.244863	6.963647	7.187989	7.064537	7.125081	7.056232	7.061247	6.992436	7.143399	6.975458	6.93927
IL6	IL6	7.010639	7.20123	7.056953	7.138047	7.057167	6.980878	6.969901	6.994914	6.961639	7.21782	9.398608	7.680569
IL6R	IL6R	6.855671	7.020499	6.774865	7.034903	7.111244	7.05455	6.920772	7.011921	6.942709	7.021767	6.915221	6.905616
IL6ST	IL6ST	6.821956	7.022718	6.895297	7.839383	8.079851	7.842697	7.441431	7.241241	7.56751	7.404823	7.04363	7.737684
IL7	IL7	6.859952	6.934143	6.746252	7.032953	6.97595	6.876065	6.847936	6.905541	6.812884	6.916255	6.745854	6.850724
IL7R	IL7R	6.911567	7.152107	6.766832	7.029935	7.0648	7.510041	7.5006	7.488232	7.29519	7.263862	7.63827	7.826855
IL8	IL8	6.826515	7.231069	6.880779	7.0647	6.973402	7.028477	7.32158	9.043761	9.963211	10.17181	12.38247	11.94579
IL8RA	IL8RA	6.840051	7.106552	6.869653	7.095998	6.985855	7.094065	6.914371	7.012501	6.920374	7.08655	6.782449	7.046744
IL8RB	IL8RB	7.078413	7.188582	6.926997	7.228871	7.07616	7.223	7.063657	7.202702	6.98792	7.100459	6.874204	7.078588
IL8RBP	IL8RBP	6.858399	7.116872	6.744407	6.963828	7.028425	6.893367	6.855302	6.987322	6.898749	6.98654	6.684556	6.894502
IL9	IL9	6.877223	7.002975	6.759149	7.043633	6.949732	7.004361	6.938141	6.949229	6.974822	6.94642	6.829869	6.854735
IL9R	IL9R	6.908237	7.051775	6.823549	7.059714	7.009634	7.029193	6.872443	7.003063	6.886514	6.970392	6.820078	6.873974
ILDR1	ILDR1	7.293486	7.383204	6.884233	7.018339	6.980659	6.993194	6.895141	7.019342	6.891691	7.114004	6.796534	6.761367
ILF2	ILF2	12.73222	13.23173	12.84036	12.79861	12.443	12.6494	11.89995	12.15926	11.9662	11.93119	11.89104	11.6427
ILF3	ILF3	10.21078	10.38393	9.88706	9.966389	9.484086	9.275008	8.726361	8.964458	8.754496	8.667359	8.557341	8.482256
ILK	ILK	10.04642	10.72643	10.20347	10.77013	10.70217	11.83793	11.49031	11.67636	11.40746	11.69533	11.65942	11.32047
ILKAP	ILKAP	8.147242	8.504768	8.16434	8.585081	8.416034	8.805509	8.493017	8.390833	8.461286	8.424806	8.082364	8.193007
ILVBL	ILVBL	9.961478	10.03301	9.594716	9.896664	10.08512	10.36386	9.811968	9.753847	9.900461	9.911149	9.562018	10.52004
IMAA	IMAA	14.11952	14.59911	14.20265	14.58584	14.41591	14.31247	14.42681	14.37846	14.4244	14.36437	13.97822	14.27025
IMMP1L	IMMP1L	8.507061	9.139109	8.616332	8.580101	9.015148	9.686197	8.869074	8.919589	9.176062	8.915496	8.729948	8.059248
IMMP2L	IMMP2L	8.301647	8.656482	8.036456	8.561646	8.591167	8.679759	8.31429	8.432865	8.657578	8.55567	8.341344	8.400079

IMMT	IMMT	10.52629	10.98334	10.38804	10.62864	10.79461	11.61861	11.5028	11.49712	11.41118	11.58359	11.18598	11.14448
IMP3	IMP3	12.49523	12.48985	11.95562	11.64755	11.55578	11.48392	10.96855	10.98829	11.24617	11.11885	11.06747	11.17016
IMP4	IMP4	11.49733	11.88928	11.02425	10.82381	10.76382	11.15827	10.80444	10.7222	10.91993	10.82479	10.75509	10.54667
IMP5	IMP5	6.884422	7.143498	6.886851	7.100655	6.996053	7.004788	6.940973	6.984756	6.907179	7.041967	6.859319	6.778248
IMPA1	IMPA1	9.593536	9.817685	9.677797	9.961854	9.75458	11.21858	10.80916	10.61927	11.00282	10.76506	10.14421	10.7039
IMPA2	IMPA2	11.1002	10.89886	9.869822	10.00448	9.590145	8.266415	7.522928	7.392706	7.656977	7.377287	6.986609	7.111804
IMPACT	IMPACT	7.202198	7.331112	7.030875	7.357587	7.213074	7.127504	7.051826	7.156267	7.163923	7.171279	6.966046	7.037884
IMPAD1	IMPAD1	7.530696	8.056992	8.475962	9.697639	9.343983	9.337424	8.87967	9.128272	9.011854	9.162958	9.423401	9.091653
IMPDH1	IMPDH1	8.314742	8.126113	7.733634	7.893305	7.797282	7.618772	7.46249	7.727063	7.61835	7.725789	8.195898	7.596756
IMPDH2	IMPDH2	12.582	12.29082	11.53882	11.44957	11.50837	10.69118	10.42263	10.53762	10.76474	10.58581	10.62244	10.51285
IMPG1	IMPG1	6.822915	7.073228	6.751955	7.020918	6.971723	6.979363	6.849257	6.931919	6.862125	6.939932	6.749282	6.806327
IMPG2	IMPG2	7.119643	7.298158	6.965227	7.199518	7.082919	7.282506	7.163564	7.114808	7.225156	7.297637	6.882515	6.964043
INA	INA	9.018407	8.853496	8.462215	8.751588	7.56855	9.039978	7.568026	7.797677	9.744899	7.557638	7.603194	7.211491
INADL	INADL	7.487948	7.894411	7.613507	7.612006	7.444986	7.494227	7.240905	7.268045	7.2431	7.17525	6.964206	7.074979
INCA	INCA	6.803101	7.040205	6.87398	7.114211	6.919258	6.988799	6.927675	6.965254	6.895813	6.954121	6.747411	6.76707
INCA1	INCA1	6.931337	7.201723	6.986697	7.263998	7.324502	7.6826	7.297411	7.222362	7.220594	7.349547	7.191738	7.251325
INCENP	INCENP	7.729098	7.982029	7.494594	7.563532	7.423732	7.337089	7.049736	7.158607	7.19727	7.209874	7.104378	7.144667
INDO	INDO	9.942612	9.823153	6.847564	6.926203	6.815034	6.736433	6.664273	6.78473	6.891194	7.014	6.686075	6.83462
INDOL1	INDOL1	7.13954	7.117754	6.928709	7.243352	7.094376	7.12424	7.269297	7.101781	6.905629	7.080728	7.053546	7.074278
INE1	INE1	6.849882	6.956547	6.824692	6.969156	6.827777	6.848186	6.863187	6.832232	6.857492	6.833091	6.802103	6.84607
ING1	ING1	7.656484	7.90422	7.439937	7.765863	7.610958	7.502142	7.224743	7.305888	7.314327	7.23227	7.244979	7.273106
ING2	ING2	9.120175	9.338979	9.064221	8.912088	9.020963	8.870048	8.537074	8.698087	8.62045	8.42181	8.503837	8.183279
ING3	ING3	7.543005	7.95291	7.815135	7.945092	8.076062	8.309359	7.764762	7.886242	7.933271	7.883973	7.756654	7.757982
ING4	ING4	7.395159	7.845231	7.596498	7.990358	8.089604	8.461079	8.415501	8.095288	8.387833	8.272829	7.550391	7.899326
ING5	ING5	7.100677	7.378	7.089672	7.242511	7.158995	7.276606	7.007037	7.084603	6.939843	7.127392	6.940588	6.978485
INGX	INGX	7.005252	7.141412	6.95857	6.978645	6.959206	7.046701	7.011991	7.01462	6.908669	6.961752	6.759719	6.858444
INHA	INHA	6.826574	7.026692	6.746812	6.970174	7.268921	7.776159	7.722832	7.837363	7.607969	7.794169	7.875285	8.611343
INHBA	INHBA	6.937746	7.180628	6.844778	6.990772	6.945735	6.913614	6.867566	6.866234	6.923269	6.91437	6.720165	6.828236
INHBB	INHBB	7.097646	7.530483	7.05217	7.202911	7.103773	7.224046	7.078587	6.999787	7.318781	7.063448	6.933082	6.935733
INHBC	INHBC	6.885146	7.168178	6.849022	7.062172	6.931353	7.015041	6.931414	6.932095	6.923825	6.954802	6.831311	6.909846
INHBE	INHBE	8.10656	8.652602	7.192375	7.311491	7.286244	7.091441	7.105928	7.028045	7.153862	7.304398	7.246259	7.159646
INMT	INMT	6.956069	6.983171	6.76833	7.393451	7.345814	6.909742	6.900976	6.988069	7.158528	6.908497	7.373453	6.90663
INOC1	INOC1	7.694376	8.08598	7.557857	7.870133	7.697152	7.841438	7.522501	7.619938	7.583575	7.723753	7.585579	7.445127
INPP1	INPP1	7.695974	8.407559	7.795589	8.696931	8.659191	9.550403	9.363326	9.405976	9.622277	9.518552	9.46395	9.565094
INPP4A	INPP4A	7.010613	7.152841	7.004979	7.090406	7.010749	6.99786	6.923365	6.994678	6.894286	7.001915	6.860732	6.878032
INPP4B	INPP4B	6.929119	7.157099	7.012641	7.167066	7.079556	8.027876	7.958904	8.253267	8.12234	8.339241	8.313468	8.615694

INPP5A	INPP5A	7.975094	8.258933	7.843457	8.36282	8.530407	9.415069	9.195731	9.574068	9.138551	9.40671	9.463091	9.227924
INPP5B	INPP5B	7.87815	7.987986	7.570284	7.677852	7.55369	7.683598	7.355242	7.382015	7.457514	7.324907	7.176354	7.282184
INPP5D	INPP5D	7.341658	7.318807	6.98002	7.020979	7.158312	7.471755	7.178713	7.104021	7.052201	6.995422	6.753605	6.931563
INPP5E	INPP5E	7.298216	7.522934	7.320128	7.752121	7.525344	7.751101	7.500676	7.398213	7.612713	7.304842	7.416471	7.375335
INPP5F	INPP5F	7.107582	7.376936	7.029021	7.215529	7.066739	7.246154	7.058371	7.12156	7.081964	7.115158	7.036981	7.096592
INPPL1	INPPL1	9.946142	10.29832	10.62938	11.05072	11.04086	10.99123	10.73866	10.65903	10.61713	10.62043	10.44731	10.87443
INS	INS	7.124504	7.339481	6.867661	7.148054	7.064596	7.128951	6.992232	7.001663	7.11612	7.031492	6.747904	7.026651
INSC	INSC	7.039333	7.106235	6.788827	7.121541	6.921219	6.849347	6.910751	6.936856	6.908462	7.038536	6.870901	6.906892
INSIG1	INSIG1	9.640261	8.877028	9.062216	9.104007	9.035699	9.197191	8.908525	8.967299	9.663458	9.104573	9.036872	9.046036
INSIG2	INSIG2	8.834277	8.678844	8.13407	8.982602	9.764574	10.14424	9.742449	9.876662	9.721599	9.63397	9.605662	9.871985
INS-IGF2	INS-IGF2	6.835863	7.001089	6.871128	8.468539	8.588466	7.285148	8.241347	7.835057	8.679419	8.669843	8.669984	9.323367
INSL3	INSL3	6.981783	7.033391	6.84155	6.892622	6.992281	6.865528	6.846725	6.838345	6.843271	6.850256	6.684023	6.783989
INSL4	INSL4	6.810033	6.956096	6.866521	7.087366	6.923739	6.976088	6.876521	6.918428	6.82665	6.827716	6.721112	6.798579
INSL5	INSL5	6.864166	7.193196	6.899898	7.043105	6.905529	7.11588	6.875158	7.038146	6.915772	6.934749	6.8728	6.836837
INSL6	INSL6	6.873512	7.021351	6.772475	7.038694	6.921893	6.900048	6.763386	6.979005	6.837353	6.970427	6.75021	6.836858
INSM1	INSM1	7.752689	7.750864	7.244258	7.486524	7.292481	7.367282	7.327957	7.292556	7.589355	7.374176	6.962872	7.192958
INSM2	INSM2	6.81311	7.058006	6.758812	7.014894	6.957664	7.180673	6.91543	6.928669	6.91961	7.029757	6.745167	6.876789
INSR	INSR	7.026304	7.207188	7.041973	7.134249	7.032285	7.140123	7.0115	7.134734	7.171748	7.002035	6.885766	6.851963
INSRR	INSRR	6.863224	7.213253	6.8841	7.097169	6.959312	6.932183	6.845081	6.983576	6.837954	6.974554	6.789817	6.820933
INT1	INT1	8.212781	8.308857	7.833065	8.054957	7.945416	7.704438	7.645269	7.800075	7.670133	7.869531	7.970331	7.760668
INT4	INT4	8.988107	9.428518	9.045155	9.516178	9.179062	9.305427	8.748987	8.927765	8.829156	8.850122	8.54829	8.532448
INTS1	INTS1	10.02032	10.09144	9.293441	9.711559	9.460725	9.322338	9.115383	8.947291	9.112232	9.056753	8.500131	9.434184
INTS6	INTS6	7.027261	7.387311	6.998108	7.242369	7.217435	7.192437	7.015724	7.134445	7.034838	7.14837	6.92558	6.955044
INTU	INTU	7.873163	8.286805	7.851388	7.812652	8.036309	8.248656	7.845529	7.961354	8.122999	7.984133	7.513787	7.578743
INVS	INVS	7.117419	7.352595	7.472101	7.65622	7.568483	7.398467	7.272638	7.34636	7.114556	7.259188	7.259682	7.156208
IPF1	IPF1	6.892483	7.329871	6.923616	7.072776	6.95633	7.080105	7.02296	6.978407	6.972593	6.965583	6.838493	6.887146
IPMK	IPMK	6.999862	7.334611	6.866008	7.069537	7.07421	7.170243	6.961687	6.981144	7.050336	7.039817	6.869115	7.033661
IPO11	IPO11	10.95391	11.5248	10.93935	11.01285	10.31933	10.58522	9.818181	9.67307	9.663343	9.752077	9.26898	9.652007
IPO13	IPO13	7.679306	8.015629	7.492724	7.930737	7.854739	8.112705	7.886611	7.973093	7.98406	8.136914	8.314753	7.962282
IPO4	IPO4	9.318292	9.873899	8.913748	8.656412	8.378313	8.242639	7.880797	7.872221	7.94681	7.892264	8.163942	7.731479
IPO7	IPO7	8.561329	8.976704	8.193384	8.442355	8.335962	8.958749	8.335431	8.407314	8.257177	8.10944	8.058107	8.488072
IPO8	IPO8	8.116741	8.42726	7.917794	8.257213	7.863343	8.178928	7.765387	7.756581	7.668544	7.894573	7.514238	7.782911
IPO9	IPO9	9.522482	9.794675	9.298112	9.595531	9.12922	9.159877	8.865413	8.9364	8.780442	8.759998	8.517166	8.495769
IPP	IPP	7.295998	7.576365	7.315255	7.699907	7.643786	8.200183	7.667646	7.765324	7.672014	7.776669	7.560642	7.874621
IPPK	IPPK	7.189378	7.347703	7.08221	7.424817	7.172252	7.392855	7.154614	7.370778	7.191798	7.221201	7.3003	7.075378
IQCA	IQCA	7.320271	7.38561	7.079816	7.198833	7.012123	6.923416	6.959082	7.012751	6.903934	7.045515	6.796767	6.857714

IQCB1	IQCB1	8.949354	8.954308	8.466782	8.887836	8.440039	8.770392	8.249476	8.32076	8.18561	8.085206	7.969067	7.979092
IQCC	IQCC	7.795283	8.177429	7.688467	7.858715	7.585817	7.902244	7.723901	7.556792	7.598148	7.685242	7.122987	7.447364
IQCD	IQCD	6.938872	7.117441	6.812873	6.821867	6.854203	6.946238	6.861291	6.963322	6.882225	6.970457	6.796302	6.85784
IQCE	IQCE	6.96983	7.085369	6.872087	7.085454	7.038632	6.968263	6.951525	7.002106	6.903375	7.003973	6.738721	6.81196
IQCF1	IQCF1	6.876307	7.016065	6.795075	7.022708	6.916568	6.89334	6.883331	6.900309	6.793836	6.867788	6.737897	6.751217
IQCF2	IQCF2	6.858354	7.03466	6.888242	6.965215	6.902257	6.992956	6.687628	6.986296	6.90556	6.912197	6.765515	6.814891
IQCG	IQCG	7.500061	7.863444	7.45635	7.812342	7.601552	7.776239	7.445692	7.489631	7.537807	7.519255	7.180335	7.232184
IQCH	IQCH	6.883148	7.050545	6.861339	7.092301	7.030372	7.065473	6.909789	6.971465	6.909303	6.988492	6.785404	6.858945
IQCK	IQCK	8.378518	8.55077	9.093391	9.180908	9.194598	8.473068	8.143731	8.102694	8.646253	8.107278	8.179666	8.258449
IQGAP1	IQGAP1	9.086964	9.675274	9.106659	9.306584	8.832326	8.094543	7.990449	8.021567	8.38617	7.986044	8.677081	8.477834
IQGAP2	IQGAP2	9.018827	8.582998	7.584959	8.191403	7.709038	7.265665	7.026284	7.100164	7.350224	6.983665	6.777817	6.692377
IQGAP3	IQGAP3	7.216879	7.396328	7.072684	7.327625	7.161263	7.375348	7.170615	7.159609	7.234796	7.186066	6.923768	6.938895
IQSEC1	IQSEC1	8.112956	7.96888	7.83763	8.305077	8.304794	8.387168	8.101043	8.371358	8.370628	8.369559	8.139119	8.43576
IQSEC2	IQSEC2	7.870772	7.494818	7.09586	7.327134	7.0496	7.11286	7.03338	7.123436	7.144918	7.161128	6.9563	6.944742
IQSEC3	IQSEC3	7.004084	7.17043	6.92598	7.14019	7.057569	7.187714	6.995517	7.024728	6.969112	6.986254	6.957192	6.894591
IQWD1	IQWD1	8.219183	8.778556	8.313081	8.992458	9.001693	10.29771	10.00278	10.17639	9.934483	10.24452	10.09662	10.23738
IRAK1	IRAK1	9.396524	9.808418	8.756981	9.012005	8.538983	8.688112	8.661835	8.790492	8.801614	8.903714	9.269336	8.989848
IRAK1BP1	IRAK1BP1	7.720702	7.919232	7.523748	7.519083	7.551921	7.507374	7.341953	7.330417	7.373156	7.400376	7.155416	7.286507
IRAK2	IRAK2	7.362079	7.358712	6.974758	7.786299	8.001933	7.831602	7.55396	7.504197	7.550742	7.518612	7.815662	7.784695
IRAK3	IRAK3	7.530971	7.657846	7.089411	7.050452	6.8111	6.931314	6.819314	6.913123	7.005005	6.94571	6.802945	6.859809
IRAK4	IRAK4	7.156237	7.288844	7.010119	7.141669	7.199623	7.213975	7.186671	7.125777	7.08021	7.15484	7.054302	7.063331
IREB2	IREB2	9.271332	9.64191	9.198697	9.443266	9.13129	9.427842	8.84453	9.005572	8.890885	9.055368	8.865312	9.103037
IRF1	IRF1	7.699183	7.685012	7.420903	8.183159	8.338385	7.961697	7.853156	8.084112	8.223845	8.416346	8.388671	8.478781
IRF2	IRF2	7.077555	7.240343	6.964208	7.135758	7.017045	7.172719	7.05418	7.137238	7.031027	7.109288	6.985069	6.991659
IRF2BP1	IRF2BP1	7.2819	7.559328	7.298382	7.485892	7.573899	7.797546	7.305332	7.414687	7.306193	7.377604	7.74892	7.599108
IRF2BP2	IRF2BP2	8.174818	8.31037	7.863103	8.534538	8.524896	9.127979	8.718865	8.771037	8.669846	8.571183	8.247325	8.659858
IRF3	IRF3	8.565389	9.02014	8.381179	8.335497	7.931572	8.282766	7.926458	8.041345	8.109817	8.004896	8.057741	7.89748
IRF4	IRF4	6.984469	7.301548	7.0021	7.153789	6.952903	7.266507	7.045023	7.071724	7.034868	6.987194	6.8902	7.067692
IRF5	IRF5	6.953451	7.031748	6.886319	7.061589	6.941241	7.011615	6.865567	6.918271	6.95611	7.0211	6.777825	6.960759
IRF6	IRF6	7.284757	7.634008	7.084996	7.219237	7.124144	7.150178	7.136881	7.308383	7.257027	7.300948	6.994195	7.056078
IRF7	IRF7	7.562154	8.03311	7.502476	7.599245	7.296432	7.450714	7.222979	7.207582	7.362172	7.273586	7.135892	7.424766
IRF8	IRF8	7.246239	7.238787	7.025629	7.408318	7.264157	7.724178	7.88503	7.99847	7.777021	7.574167	7.352779	7.115384
IRGC	IRGC	6.905175	7.066385	6.837075	6.909035	6.93682	6.979259	6.872173	6.942452	6.825628	6.878883	6.823844	6.700656
IRGM	IRGM	6.960539	7.04876	6.787718	6.972912	6.966881	6.909821	6.815556	6.987693	6.988081	6.948526	6.824083	6.88478
IRGQ	IRGQ	6.765975	6.973016	6.679	6.990718	6.863018	6.819281	6.808071	6.8395	6.783175	7.033868	6.830621	6.78197
IRS1	IRS1	8.165232	7.9406	8.08125	9.284865	8.436397	8.926004	8.155209	8.213155	7.948145	8.063741	8.328439	8.495073

IRS2	IRS2	9.362907	9.117398	8.947493	8.4793	8.486359	10.0409	8.132399	8.33539	8.574581	8.393244	8.355173	8.865149
IRS4	IRS4	6.971386	7.193249	7.071479	7.129807	7.002801	7.147806	7.056797	7.081029	7.021834	7.095555	6.856859	6.980874
IRX1	IRX1	7.109994	7.364847	6.962628	7.21945	7.133769	7.310695	7.023907	7.253321	7.029373	7.376649	6.940365	7.033127
IRX2	IRX2	7.109484	7.229825	6.838158	6.960286	6.978317	6.961537	6.822614	6.976727	6.91975	6.843316	6.87069	6.781843
IRX3	IRX3	8.342752	9.358456	12.40803	11.58321	11.72571	11.78757	11.97843	11.97105	11.47266	12.61467	11.94921	12.46323
IRX4	IRX4	7.008945	7.329177	6.903656	7.526955	9.171091	11.06183	11.07349	10.55978	9.802987	9.955895	8.423638	9.695692
IRX5	IRX5	6.998107	7.265919	8.49362	7.968005	7.977023	8.120122	8.637313	8.777944	8.444975	9.350254	9.231246	9.111059
IRX6	IRX6	6.858505	7.04901	6.872487	7.154269	7.099128	7.105299	7.017039	7.047303	6.984767	7.56076	7.554033	7.762489
IRXL1	IRXL1	7.322424	7.451044	7.220622	7.24244	6.996961	7.163507	6.949641	6.9204	7.171629	6.941564	6.829336	7.00259
ISCA1	ISCA1	9.146542	9.547896	8.730103	9.242189	9.038922	9.786034	9.340213	9.207772	9.398752	9.345107	8.982222	9.180915
ISCA2	ISCA2	8.897963	9.059638	8.378402	8.517166	8.661459	9.701394	9.139803	9.068357	9.203857	9.107315	8.865648	8.562694
ISCU	ISCU	10.86943	11.47996	11.04485	11.05659	11.01031	12.21219	11.57976	11.73036	11.88974	11.83892	11.93622	11.63649
ISG15	ISG15	8.07777	8.760755	7.988053	8.947937	8.31665	8.759848	8.836563	8.451765	8.653502	8.672104	8.458329	8.345311
ISG20	ISG20	8.171582	9.230616	7.73937	7.784452	7.824059	9.048521	7.284487	7.22971	7.291099	7.193697	7.150741	7.136283
ISG20L1	ISG20L1	11.76611	11.97914	10.99564	11.13404	10.77822	11.78738	10.49268	10.20248	10.20128	10.02406	9.793469	10.12217
ISG20L2	ISG20L2	9.592559	9.642342	8.748478	9.022804	8.920976	8.95401	8.731302	8.725196	8.659422	8.829969	8.775608	8.878588
ISGF3G	ISGF3G	8.088458	8.537299	8.03386	8.506514	8.831245	9.94906	9.898085	10.10056	9.984501	10.23948	10.35925	9.757601
ISL1	ISL1	7.152928	8.064457	11.25035	12.05569	11.46163	9.64075	9.068292	8.636542	9.111629	8.203338	7.652273	7.697096
ISL2	ISL2	6.986424	7.13997	6.821226	7.087603	6.981283	7.014623	7.067588	7.078422	6.892958	7.201272	6.88319	6.932095
ISLR	ISLR	6.828011	7.034681	6.80027	7.140287	7.065453	6.990649	6.958237	6.986892	7.17091	6.983072	6.821185	6.977827
ISLR2	ISLR2	6.88919	7.053885	6.84878	7.084438	7.027509	7.034056	6.992658	7.143746	7.022144	7.138654	7.006743	6.974705
ISOC1	ISOC1	9.428578	9.423332	9.585931	9.769703	9.886374	11.48998	11.52975	11.39543	11.10316	11.28046	10.53941	10.72396
ISOC2	ISOC2	9.052515	9.350226	8.223061	8.432078	8.6039	9.581963	9.371448	9.333068	9.187656	9.561193	9.363044	9.349603
ISYNA1	ISYNA1	9.582179	9.763634	9.785201	10.10906	10.61541	10.69415	10.15628	9.893605	9.836143	9.594864	8.808827	9.128899
ITCH	ITCH	8.276713	8.447392	8.498294	8.685153	8.724573	9.360304	8.885528	8.865146	8.986071	8.908948	8.369672	8.618025
ITFG1	ITFG1	6.858327	7.049013	6.835794	6.962692	6.916305	6.983704	6.897387	6.996186	7.170633	6.938549	6.709603	6.974744
ITGA1	ITGA1	6.951696	7.253873	6.867641	7.486172	7.569312	7.98639	8.207559	8.486691	8.358787	7.996554	7.984575	7.750622
ITGA10	ITGA10	6.874687	7.064242	6.955377	7.136756	7.219803	8.297317	8.316636	8.571005	8.330999	8.717473	7.841671	7.633967
ITGA11	ITGA11	6.867675	7.052846	6.78757	7.465581	7.571859	7.024473	7.377235	8.218122	8.424098	8.58907	9.803706	8.920527
ITGA2	ITGA2	7.710767	7.689893	7.425094	9.051235	7.491771	7.895507	8.183326	8.593711	8.404967	8.349517	9.76629	9.427614
ITGA2B	ITGA2B	7.171036	7.254038	6.897366	7.025952	6.984002	7.095293	6.847028	6.96918	6.968743	6.980303	6.749937	6.786412
ITGA3	ITGA3	8.030818	8.694416	8.195836	8.458919	8.330692	8.801894	8.70104	9.079936	9.039142	9.163556	9.697476	8.794675
ITGA4	ITGA4	6.881432	7.136571	6.801958	7.071738	6.967605	7.020898	7.186287	7.496625	7.575971	7.476737	7.935302	7.44798
ITGA5	ITGA5	7.981997	8.862446	10.64015	10.05036	9.234349	8.990702	9.094466	9.208089	9.46184	9.352983	10.29007	10.2279
ITGA6	ITGA6	7.824506	8.262965	7.238529	7.248936	7.650877	7.434104	7.130453	7.139537	7.068672	7.077816	7.053516	7.013754
ITGA7	ITGA7	7.055441	7.396152	7.142094	7.257397	6.988009	7.237326	7.147407	7.34144	7.265256	7.42904	7.276162	7.384995

ITGA8	ITGA8	6.706646	6.922731	7.652558	8.351788	8.613151	7.938681	8.707313	7.931817	8.284416	7.144984	6.666014	6.803187
ITGA9	ITGA9	7.179422	7.449932	8.110584	7.779117	7.377326	7.679746	7.60349	7.483615	7.388809	7.272413	7.031699	7.004698
ITGAD	ITGAD	6.839877	7.095575	6.807991	6.959953	6.875136	6.924016	6.857557	6.952281	6.821659	7.033259	6.822098	6.845732
ITGAE	ITGAE	9.466171	9.921703	9.422009	9.725734	9.78724	10.32855	10.36328	10.12503	10.41487	10.50617	10.22598	9.443097
ITGAL	ITGAL	6.929411	7.047569	6.755328	7.076945	6.901276	6.983646	6.866179	6.91467	6.905052	6.895249	6.718706	6.805571
ITGAM	ITGAM	7.04581	7.265148	6.940151	7.05286	6.870424	7.070845	6.895499	6.915212	6.806004	6.933279	6.783646	6.794882
ITGAV	ITGAV	9.187202	9.986336	10.06471	11.41081	10.60029	11.30537	11.17955	11.58025	11.08491	11.23304	11.41655	11.21579
ITGAX	ITGAX	6.943917	7.068833	6.851629	7.012201	6.961785	7.001858	6.879161	6.921443	6.877068	6.919958	6.798572	6.793846
ITGB1	ITGB1	11.02762	11.69414	11.5835	12.0595	11.78614	12.17414	11.77224	12.13481	12.00229	11.93359	12.34254	12.25155
ITGB1BP1	ITGB1BP1	8.338476	8.87701	8.536371	9.014356	9.130883	9.971183	9.775891	9.691568	9.895981	10.07814	10.00492	9.789352
ITGB1BP2	ITGB1BP2	7.023774	7.428626	7.042926	7.523482	8.087863	10.26466	9.671054	9.279528	9.444795	9.612185	8.968774	9.221634
ITGB1BP3	ITGB1BP3	9.131235	10.19884	8.045573	7.522851	7.568469	8.649599	8.586388	9.102127	9.795575	10.31336	9.671053	10.44089
ITGB2	ITGB2	7.148386	7.502913	7.210654	7.514732	7.371262	7.415592	7.209965	7.223512	7.283346	7.335071	7.027057	7.174677
ITGB3	ITGB3	6.87568	7.137033	6.848707	7.112772	7.090262	7.464486	7.310481	7.551558	7.498227	7.492352	7.339145	7.148094
ITGB3BP	ITGB3BP	9.080187	8.971912	8.852258	8.664912	8.486126	7.236795	6.959118	7.117361	7.29555	7.050102	7.197313	7.098402
ITGB4	ITGB4	6.875177	7.079554	6.820208	7.009324	6.936089	6.988	6.878326	6.985625	6.922064	6.97003	6.862922	6.969893
ITGB4BP	ITGB4BP	10.51776	11.05564	10.17178	10.3623	9.930975	10.81947	10.0509	10.15664	10.00893	10.05382	10.13091	9.732698
ITGB5	ITGB5	11.08824	10.37613	10.63746	10.77839	9.900108	10.32483	10.22408	10.3918	10.46659	10.45714	10.83676	11.04161
ITGB6	ITGB6	6.910054	7.219901	6.898705	7.101893	6.913055	6.997733	6.9578	6.966224	7.019253	7.021807	6.84117	6.9505
ITGB7	ITGB7	6.873918	7.172423	6.908873	7.106505	7.092557	7.021212	6.895061	6.995188	7.00242	6.990402	6.799168	6.947486
ITGB8	ITGB8	6.900951	7.272838	6.90933	7.159937	7.119925	7.056133	6.888933	7.013296	6.823666	7.138225	6.911374	6.966239
ITGBL1	ITGBL1	6.996159	7.126171	6.901808	7.06443	7.012062	7.119118	6.946678	6.997475	7.12366	7.095366	6.791592	7.019827
ITIH1	ITIH1	7.042032	7.119583	6.840867	7.126493	7.001627	7.079041	6.86457	7.041829	7.061754	6.946719	6.919743	6.900171
ITIH2	ITIH2	6.793096	7.063351	6.78979	7.070172	7.3777	6.987351	6.925829	6.971196	6.909914	7.183243	6.772992	6.966944
ITIH3	ITIH3	7.004991	7.17112	6.902402	7.045515	7.062754	7.07559	7.042097	7.060736	7.04475	7.069218	6.908699	6.949302
ITIH4	ITIH4	6.940132	6.963009	6.778889	6.991016	6.997281	7.169551	6.792165	6.933159	6.864296	6.879921	6.751902	6.79917
ITIH5	ITIH5	12.28064	12.83617	12.39372	12.91241	12.75275	12.60563	12.74462	12.40875	12.68505	12.4945	11.9659	12.37265
ITIH5L	ITIH5L	6.892236	6.938628	6.864837	7.035708	6.835855	6.894692	6.853513	6.924235	6.883465	7.003661	6.829552	6.758038
ITK	ITK	6.910119	7.363607	6.974201	7.154987	6.957867	7.187922	7.0445	7.131772	7.08552	7.153924	6.969529	6.973036
ITLN1	ITLN1	6.946096	7.033956	6.810577	7.200141	7.127122	7.217818	7.839502	9.86127	11.31097	9.692866	11.25286	8.83716
ITLN2	ITLN2	8.360364	8.664195	7.747079	8.427342	7.814099	7.112249	7.070222	6.882415	6.977063	6.936754	6.83346	6.962888
ITM2A	ITM2A	7.728079	7.770071	7.361391	7.398022	7.450159	7.691861	7.451686	7.62112	8.103648	7.776089	7.502582	7.794798
ITM2B	ITM2B	10.43458	11.33048	10.50215	10.55527	10.99092	11.13592	10.96459	11.33065	11.0593	11.19943	11.73311	11.44981
ITM2C	ITM2C	12.12167	12.05347	12.44731	12.55484	12.2811	12.45046	12.18887	12.28129	12.19292	12.01576	11.99365	11.58621
ITPA	ITPA	9.428795	9.975878	9.20132	9.059915	8.977654	9.578599	9.121179	8.950003	9.228312	9.149903	9.149801	8.913822
ITPK1	ITPK1	9.005505	8.778949	7.94593	8.219097	8.004681	7.802621	7.799664	7.817054	7.8427	7.810665	7.845102	7.763057

ITPKA	ITPKA	7.027101	7.255422	6.979076	7.52366	7.445533	8.101871	7.776429	7.739814	7.747021	7.777725	7.410317	7.995644
ITPKB	ITPKB	7.143275	7.864221	7.484521	7.384222	7.278052	7.835372	7.80286	7.861959	7.791888	7.771506	7.60861	8.454537
ITPKC	ITPKC	7.206251	7.667577	7.17185	7.599205	7.392313	7.600105	7.248331	7.261183	7.276223	7.36676	7.220027	7.26399
ITPR1	ITPR1	7.252868	7.162681	7.923448	8.191215	7.8926	8.224746	7.563895	7.616698	7.501181	7.239055	7.411382	7.22402
ITPR2	ITPR2	7.9705	7.759535	7.391407	7.532846	7.898022	7.422896	7.218466	7.333603	7.380032	7.366931	7.318962	7.358928
ITPR3	ITPR3	11.43329	11.42911	10.4134	10.1832	8.922988	7.729147	7.381619	7.695706	8.250672	7.536604	9.163046	8.490853
ITR	ITR	8.126432	8.511347	8.156835	8.548597	8.609681	8.185545	7.878952	7.989814	7.933142	7.797171	7.816155	8.0388
ITSN1	ITSN1	9.379911	9.636176	8.71555	9.600208	9.114785	9.725454	9.146814	9.341734	8.873329	9.089692	8.596103	8.469393
ITSN2	ITSN2	6.937405	7.281636	6.913708	7.065262	7.050385	7.158878	7.022207	7.073168	7.042214	7.050458	6.92733	7.023211
IVD	IVD	8.484984	9.379465	8.261704	8.151015	8.303217	9.095633	8.907642	9.196271	9.019251	9.360791	8.874009	8.743924
IVL	IVL	6.858318	7.219532	6.731628	6.99148	6.9444	7.099871	6.941543	6.996676	7.00257	7.008763	6.728658	6.896401
IVNS1ABP	IVNS1ABP	9.806472	9.828783	9.761405	9.565325	9.749709	9.872767	9.083099	9.151843	9.155628	9.147901	8.977445	8.818168
IXL	IXL	8.885738	9.405637	8.742276	8.813108	8.995815	9.618387	9.160803	9.052309	9.02196	9.130573	8.738026	8.817613
IZUMO1	IZUMO1	6.869274	7.005995	6.815879	7.022028	6.971796	7.067378	6.720459	6.970684	6.816795	6.826294	6.761049	6.816005
JAG1	JAG1	9.013341	9.152756	8.746583	9.946872	9.205288	9.128788	8.402701	8.554316	8.567741	8.453682	8.763292	7.998837
JAG2	JAG2	7.289003	7.325477	7.176456	7.323246	7.339518	7.546817	7.441234	7.675833	7.538334	7.65816	7.776671	7.495595
JAK1	JAK1	7.723692	8.166938	7.702629	8.138811	8.458188	9.029995	8.704193	9.098545	8.876516	8.971004	9.236248	8.74626
JAK2	JAK2	7.014575	7.280894	7.395349	7.615684	7.439256	7.77288	7.756465	8.412454	8.033798	8.685884	8.072894	7.761277
JAK3	JAK3	6.85231	7.048182	6.728413	6.986125	6.842533	6.99442	6.93006	6.940704	6.845166	6.842899	6.852285	6.967117
JAKMIP1	JAKMIP1	6.93708	7.050591	6.907906	7.013621	6.933613	6.879136	6.808563	6.856961	6.745155	6.782379	6.804641	6.890622
JAKMIP2	JAKMIP2	7.361509	7.543819	7.512485	7.338431	7.233775	7.240535	7.12864	7.181357	7.29999	7.153282	7.008965	7.036923
JAM2	JAM2	8.203743	8.695889	7.30159	7.665557	7.571474	8.095835	7.514317	7.405152	7.718289	7.244985	7.18581	7.413977
JAM3	JAM3	10.93995	11.00268	11.27381	11.47088	11.43866	10.65531	10.42615	10.44303	10.79166	10.15143	10.48284	10.15491
JARID1A	JARID1A	8.511692	8.984034	8.908572	9.134875	8.807746	8.626074	8.3579	8.259941	8.229834	8.02811	7.849543	7.982679
JARID1B	JARID1B	11.41538	11.78603	10.86707	11.50334	11.31866	11.06691	10.29389	10.36714	10.20609	10.05819	10.12742	10.04041
JARID2	JARID2	11.8114	12.25593	10.51346	10.10454	9.395447	9.199506	8.736284	8.779062	8.703835	8.417304	8.146601	8.057855
JAZF1	JAZF1	8.299697	8.360085	7.582615	7.541269	8.184356	9.792416	9.633568	9.536645	9.682124	9.935353	9.50542	9.806951
JDP2	JDP2	7.193087	7.411644	6.981362	7.70954	7.467239	7.160701	7.159113	7.121285	7.275446	7.137458	7.021521	7.1559
JM11	JM11	7.756466	8.449136	7.823232	7.991815	7.899425	7.599946	7.476026	7.551586	7.641282	7.442596	7.362895	7.079399
JMJD1A	JMJD1A	7.799905	8.367643	8.424796	8.93293	8.991974	8.846935	8.306507	8.201328	8.531926	8.4559	8.225708	8.83834
JMJD1B	JMJD1B	9.291919	9.753649	9.393886	9.72434	9.33794	9.599622	9.06647	9.102472	8.836466	8.951356	8.46695	8.857538
JMJD1C	JMJD1C	10.8163	11.2212	10.42908	10.41086	10.16531	10.72485	10.12359	9.976432	10.05033	9.893734	9.119112	9.475322
JMJD2A	JMJD2A	7.179414	7.605542	6.967672	7.129145	7.067605	7.283353	7.013956	7.17214	7.190603	7.164154	6.992274	7.15673
JMJD2B	JMJD2B	6.891103	7.195147	6.995704	7.384311	7.26527	7.195344	7.019421	7.052646	7.108169	7.137188	7.024235	6.925445
JMJD2C	JMJD2C	7.326558	7.439635	7.048335	7.224269	7.215205	7.581633	7.344308	7.516209	7.406539	7.310334	7.104641	7.332773
JMJD2D	JMJD2D	7.067489	7.384099	7.035452	7.25972	7.303483	7.255467	7.11277	7.138558	7.191198	7.06148	7.028565	7.054569

JMJD3	JMJD3	6.930051	6.953595	7.113248	7.790047	7.452347	7.146116	7.212769	7.275114	7.234128	7.173351	6.997276	7.023728
JMJD4	JMJD4	7.323403	7.899716	7.395397	7.935012	7.776753	8.006748	7.756588	7.799673	7.626522	7.706101	7.662198	7.680064
JMJD5	JMJD5	7.094924	7.510845	7.158512	7.310339	7.105943	7.108232	7.007585	7.074453	7.042836	7.036677	6.905609	6.975919
JMY	JMY	7.389921	7.943912	7.251555	7.3309	7.287066	7.466465	7.125515	7.154482	7.134848	7.226984	7.141704	7.123548
JOSD1	JOSD1	8.759859	8.976389	8.485662	9.256513	9.028653	9.070285	8.670657	8.526324	8.80074	8.593774	8.456471	8.797991
JOSD2	JOSD2	6.932211	7.232096	7.08512	7.359427	7.425023	7.954405	7.782521	8.136077	7.928624	8.373973	8.608773	8.092721
JOSD3	JOSD3	7.728319	8.486698	7.952817	7.973102	8.202458	7.952311	7.638281	7.542761	7.766074	7.618917	7.404783	7.408304
JPH1	JPH1	9.30282	9.057794	8.311427	8.52138	8.762808	9.295411	9.012294	8.959975	8.709473	8.968597	8.471919	8.561281
JPH2	JPH2	7.065732	7.232938	7.034245	7.468595	7.703123	8.940016	8.519861	8.610572	8.321579	8.469104	8.160655	8.130593
JPH3	JPH3	8.719	8.703412	7.90371	8.192504	8.098966	8.319203	8.123855	8.213215	7.852292	7.862556	7.681545	7.621489
JPH4	JPH4	7.873754	7.812132	7.069982	7.051585	6.96034	6.95449	6.913019	7.029775	7.150172	6.921484	6.924069	6.848552
JRK	JRK	7.291886	7.47814	7.169605	7.350127	7.30891	7.314249	7.123399	7.239963	7.022624	7.146507	6.846485	6.983248
JRKL	JRKL	7.1241	7.412417	7.195489	7.298938	7.342922	7.387159	7.167156	7.456157	7.247436	7.321977	7.368874	7.328807
JSRP1	JSRP1	7.166097	7.043807	6.820519	7.076321	6.992428	7.128743	6.970936	6.98393	7.670723	7.249832	6.821799	6.929586
JTB	JTB	12.22396	12.71085	11.71046	11.98323	12.48197	12.78919	12.37161	12.70026	12.53521	12.53104	13.0781	12.50446
JTV1	JTV1	11.63206	12.12311	11.64842	11.31757	11.12431	12.43922	11.57191	11.56638	11.57795	11.58256	11.37779	10.98628
JUB	JUB	7.231867	7.210425	7.126575	7.645047	7.395432	7.672466	7.354808	7.389863	7.324879	7.468737	7.143342	7.207905
JUN	JUN	9.025854	10.75182	8.906813	9.349235	10.30015	11.43909	11.00615	10.96909	10.91131	11.00068	10.90398	11.03003
JUNB	JUNB	7.121786	7.32191	7.000743	7.471551	7.244169	7.692247	7.549707	7.707136	7.661426	7.868389	8.344406	7.961386
JUND	JUND	12.79465	13.23248	12.69558	13.13406	13.26818	13.29997	12.88218	13.04766	12.98769	12.84959	12.80367	12.59177
JUP	JUP	8.744061	9.068621	8.896945	9.848856	9.54292	9.602028	9.316997	9.747209	9.310148	9.52646	9.656735	9.21412
K5B	K5B	6.870806	7.092135	6.830632	6.966832	6.898877	6.984579	6.776008	6.940005	6.856198	6.885647	6.779042	6.797603
K6HF	K6HF	6.851092	7.082903	6.850383	7.034939	6.87131	7.053748	6.825904	6.93061	6.815978	6.874234	6.778775	6.827494
K6IRS2	K6IRS2	6.993447	7.006924	6.782271	7.081276	6.937315	6.989279	6.916079	6.881105	6.816693	6.96303	6.804827	6.850609
K6IRS3	K6IRS3	6.953943	7.029791	6.898477	6.949195	6.895498	7.035996	7.011663	6.906576	6.877042	6.961682	6.848814	6.815016
K6IRS4	K6IRS4	6.747162	6.961719	6.820996	7.046326	6.868258	6.953196	6.755064	6.903888	6.820639	6.964249	6.726411	6.77212
KA21	KA21	6.99719	7.168642	7.02634	7.134555	7.853887	7.378855	6.883553	6.957206	7.005557	6.866618	6.776061	6.974437
KA35	KA35	6.799946	6.887609	6.857027	6.908573	6.85089	6.902705	6.820451	6.871941	6.773466	6.957119	6.694452	6.778591
KA36	KA36	6.862277	7.04667	6.845186	7.023466	6.847593	6.921987	6.853773	6.931652	6.831694	6.832949	6.651894	6.689146
KAAG1	KAAG1	6.848394	6.963952	6.735452	7.034928	6.810776	6.799841	6.829582	6.833378	6.831824	6.902938	6.734592	6.847924
KAL1	KAL1	10.36165	10.05494	9.877022	8.503348	7.849524	8.09872	8.025609	8.522823	8.741256	8.524097	9.117748	8.640003
K-ALPHA-1	K-ALPHA-1	14.85731	15.31502	14.73531	15.101	14.68432	14.70181	14.72391	14.6559	14.59455	14.66215	14.41088	13.83182
KALRN	KALRN	6.829757	7.083367	6.844762	7.054178	6.963759	7.005389	6.937199	7.110417	7.014293	6.956902	6.898639	6.974181
KARCA1	KARCA1	7.944796	8.313082	8.156019	7.868579	7.952085	8.89192	8.868509	8.985841	8.712961	8.951337	8.528885	8.394083
KARS	KARS	9.984779	10.32837	9.889024	9.825416	9.493582	10.11722	9.237732	9.370888	9.420006	9.447247	9.570763	9.420699
KATNA1	KATNA1	9.646818	9.856043	9.448491	9.274639	9.353877	10.29964	9.546641	9.715399	9.569449	9.47793	9.508924	9.308318

KATNAL1	KATNAL1	7.529106	7.639219	7.367726	7.643025	7.654487	8.101342	8.065203	8.230872	8.121073	8.165302	8.009372	7.934409
KATNAL2	KATNAL2	7.507916	7.572759	7.140879	7.288277	7.290631	7.861986	7.608832	7.656651	7.416078	7.567044	7.196195	7.100314
KATNB1	KATNB1	9.202935	9.306142	8.970732	8.773032	8.495264	8.460784	8.202446	8.272718	8.244606	8.333783	8.157449	7.951519
KAZALD1	KAZALD1	6.787263	7.016361	6.796549	7.152464	7.319623	8.025924	8.007619	8.44587	8.225314	8.269138	7.887941	7.741255
KBTBD1	KBTBD1	6.843085	6.93668	6.847816	7.124834	6.923701	7.044322	6.794002	6.948335	6.867966	6.925329	6.819129	6.847591
KBTBD10	KBTBD10	6.866705	7.038894	6.901201	7.559384	8.155761	10.31911	10.63612	10.65279	11.20202	10.79587	9.925859	9.815501
KBTBD11	KBTBD11	9.891248	9.631142	9.105412	9.3558	9.097286	9.166965	8.91199	9.01063	9.566302	8.824423	8.576086	8.954334
KBTBD2	KBTBD2	9.850764	10.15922	10.67378	11.15327	10.41047	10.83608	10.35293	10.30329	10.20834	10.22003	9.763621	10.24463
KBTBD3	KBTBD3	7.222356	7.480397	6.990759	7.297931	7.195148	7.541917	7.392167	7.472665	7.493903	7.54721	7.350791	7.426118
KBTBD4	KBTBD4	7.648996	8.038868	7.874537	7.798502	7.771499	8.261505	7.770545	7.994853	7.836959	7.871134	7.831676	7.6914
KBTBD5	KBTBD5	6.823087	6.913947	6.600379	6.995379	6.807232	6.954998	6.813505	6.872467	7.277491	6.942765	6.777058	6.676627
KBTBD6	KBTBD6	7.338733	7.503471	7.14706	7.495533	7.356928	7.502923	7.292493	7.259849	7.284941	7.345213	7.053998	7.337699
KBTBD7	KBTBD7	7.973706	8.203147	7.727319	7.820723	8.011714	8.174462	7.958621	7.702376	7.82776	7.692741	7.522554	7.772321
KBTBD8	KBTBD8	9.118304	9.162071	8.61288	8.580934	8.497566	10.07943	9.340725	8.99435	9.147073	8.473184	7.55809	7.438992
KBTBD9	KBTBD9	7.149111	7.385735	7.13988	7.968973	7.888596	7.327663	7.223326	7.29479	7.533421	7.138442	7.074867	6.966021
KCMF1	KCMF1	7.487679	7.857099	7.357453	7.525568	7.482068	7.861997	7.503872	7.674705	7.499643	7.677995	7.481592	7.624339
KCNA1	KCNA1	6.903252	7.113933	6.981596	7.093092	6.965196	6.972594	6.925471	7.031029	7.005735	7.031395	6.736157	6.922831
KCNA10	KCNA10	6.908062	6.969857	6.639712	6.962987	6.847963	7.01923	6.882169	6.892604	6.808947	6.889959	6.669024	6.845041
KCNA2	KCNA2	6.843821	7.08962	6.740206	6.947536	6.822892	6.997935	6.852209	6.859007	6.758195	6.851814	6.764222	6.802326
KCNA3	KCNA3	6.777704	6.965056	6.704951	6.883196	6.774747	6.91734	6.799878	6.897391	6.786594	6.851018	6.744649	6.764364
KCNA4	KCNA4	6.746566	7.028979	6.886332	7.000366	6.889083	6.94427	7.011399	7.038556	7.012733	7.114454	7.003385	7.018467
KCNA5	KCNA5	6.95857	7.331971	8.782607	8.136597	7.790076	7.634787	7.420575	7.590915	7.520615	7.49718	7.214378	7.120861
KCNA6	KCNA6	6.967888	7.050374	6.827698	7.039918	7.006734	7.03157	6.913613	6.996323	6.884585	7.045459	6.856834	6.904007
KCNA7	KCNA7	6.908384	7.105889	6.666319	7.106538	6.87047	7.065117	6.895837	6.896303	6.78289	6.771642	6.762223	6.820729
KCNAB1	KCNAB1	7.194409	7.367225	6.882528	7.156403	7.020146	7.023369	6.907735	7.008165	7.189547	7.094919	7.801725	7.694952
KCNAB2	KCNAB2	6.97004	7.060272	6.812665	7.045654	6.956342	7.102191	6.940671	7.038417	6.886918	6.93633	6.755531	6.808373
KCNAB3	KCNAB3	6.887555	6.988351	6.801594	7.172253	6.993302	7.009552	6.864907	7.000898	6.893973	6.783633	6.774031	6.830612
KCNB1	KCNB1	7.021106	7.167463	6.891248	7.039146	6.94805	7.108661	6.869504	6.907098	6.968142	7.006544	6.77525	6.936761
KCNB2	KCNB2	7.031558	7.180328	6.888144	7.135474	7.08489	6.941618	6.876174	6.948769	6.802704	7.014064	6.755513	6.910897
KCNC1	KCNC1	6.802931	7.069172	6.640263	6.95609	6.832971	6.808072	6.882081	6.866786	6.776822	6.776074	6.702916	6.730179
KCNC2	KCNC2	6.821293	7.00878	6.761615	6.913265	6.862565	6.926055	6.859952	6.84654	6.834931	6.865015	6.758212	6.810002
KCNC3	KCNC3	6.97005	7.024026	6.759276	6.947912	6.946721	6.996294	6.864008	6.93319	6.88719	6.94269	6.693242	6.807971
KCNC4	KCNC4	6.931949	7.088955	6.841789	6.985878	6.911226	7.087452	6.92032	7.083782	7.020204	7.090805	6.967244	6.867327
KCND1	KCND1	7.470786	7.636661	7.060498	7.215678	7.05246	7.236639	7.084412	7.06741	6.880159	6.99843	6.834336	6.859088
KCND2	KCND2	8.549157	9.04506	7.510477	7.079154	7.58117	7.003219	7.04403	7.059133	7.431734	7.039713	6.895347	6.957312
KCND3	KCND3	7.000503	7.223454	6.889766	7.090712	6.962259	7.122327	7.074395	7.041776	7.015165	7.069556	6.892596	6.958713

KCNE1	KCNE1	7.01834	7.100756	7.071791	6.999765	7.07062	7.28241	7.077113	7.181073	7.096374	7.27009	7.0688	7.017855
KCNE1L	KCNE1L	7.522162	7.799723	7.137958	7.371669	7.101364	7.0734	7.146242	7.069381	6.942332	7.080129	6.869788	6.974995
KCNE2	KCNE2	6.872383	7.066509	6.878468	7.064344	7.19105	7.192826	6.883891	7.057849	6.947386	6.976483	6.872212	6.875904
KCNE3	KCNE3	6.909705	6.963355	6.767393	6.982774	6.823522	6.900179	6.850005	6.832847	6.81089	6.888656	6.686281	6.780364
KCNE4	KCNE4	6.815418	6.922305	6.795669	6.966466	6.897785	6.950426	6.932904	6.981922	6.999654	6.854016	6.665303	6.878957
KCNF1	KCNF1	7.204938	8.53234	7.312477	7.357079	7.17113	6.892871	6.973675	7.1391	7.534246	7.729408	7.137114	7.260161
KCNG1	KCNG1	7.757911	7.940345	9.04003	8.36624	8.579487	8.263103	7.640991	7.290069	7.581195	7.320368	7.874242	7.626787
KCNG2	KCNG2	7.019806	7.139576	6.96101	7.185975	7.01386	7.056817	6.941941	7.005667	7.022424	6.99451	6.895924	6.934722
KCNG3	KCNG3	8.257299	8.726386	7.119926	7.110558	6.941152	6.94298	6.906181	6.8841	6.906867	6.926056	6.71183	6.844657
KCNG4	KCNG4	6.849103	7.059807	6.804308	7.002503	6.875037	6.959939	6.816765	6.935255	6.845265	6.896788	6.754044	6.779412
KCNH1	KCNH1	6.879432	7.096206	6.857751	7.05959	6.90176	7.00958	6.899233	6.894059	6.838079	6.940777	6.793842	6.810033
KCNH2	KCNH2	7.103394	7.202451	6.849305	7.401043	7.483299	8.361271	8.065291	8.35709	7.998333	8.395656	8.185057	8.068211
KCNH3	KCNH3	6.931373	7.022009	6.886089	7.043106	6.99757	6.930611	7.000123	6.993222	6.885852	7.068324	6.88603	6.810728
KCNH4	KCNH4	7.072856	7.311002	6.881026	7.084782	7.012892	6.999097	6.990149	7.011291	6.89936	7.029106	6.8588	6.982205
KCNH5	KCNH5	6.865178	7.109637	6.956151	7.064658	7.011186	6.937755	6.843305	6.955858	6.860657	6.985201	6.766484	6.884636
KCNH6	KCNH6	10.65029	11.29911	10.66461	11.23847	11.28381	11.05745	11.38103	10.86452	11.30526	11.05656	10.52617	11.00716
KCNH7	KCNH7	6.916934	7.039176	6.836596	7.012088	6.995862	7.281995	7.00149	6.994559	6.940561	6.928918	6.731317	6.797385
KCNH8	KCNH8	7.401894	7.641048	7.443457	7.278231	7.260562	7.224502	7.077055	7.082862	6.995963	7.112095	6.802899	6.954274
KCNIP1	KCNIP1	6.915299	6.991678	6.747224	7.017411	7.348166	6.97263	6.785553	6.842605	7.080062	6.81709	6.759912	6.818484
KCNIP2	KCNIP2	6.858551	7.160704	6.830159	7.036687	6.896187	7.043432	6.980245	6.92999	6.880932	6.886471	6.782698	6.853915
KCNIP3	KCNIP3	7.297852	7.479309	7.317431	7.288751	7.061791	7.093906	7.105625	7.182451	7.112954	7.089242	7.015847	7.036475
KCNIP4	KCNIP4	6.864231	7.070517	6.835842	7.662623	8.052484	8.994757	8.590023	8.604251	8.61444	8.266792	7.922688	7.82102
KCNJ1	KCNJ1	6.873146	7.048883	6.81201	7.048865	6.913598	6.899463	6.889791	6.942921	6.850197	6.917495	6.783894	6.811746
KCNJ10	KCNJ10	7.024002	7.064064	6.849262	7.098414	7.027613	7.050091	6.933455	7.056938	6.998065	6.979582	6.877447	6.923745
KCNJ11	KCNJ11	6.982997	7.190104	6.884368	6.916614	6.857142	7.048227	6.908404	7.051056	6.859753	7.135911	6.88584	6.891479
KCNJ12	KCNJ12	6.685174	6.956694	6.735673	6.887682	6.958043	7.013976	7.008724	7.167372	6.921393	7.141122	6.861814	7.030701
KCNJ13	KCNJ13	6.927074	7.275885	7.013689	7.632236	7.1658	7.219386	6.957164	6.979547	7.011592	7.055792	6.962721	6.935178
KCNJ14	KCNJ14	7.032687	7.307634	6.872493	7.174864	7.041387	7.170573	7.084652	7.016084	7.057895	7.108801	6.920465	6.882085
KCNJ15	KCNJ15	6.867213	6.995801	6.788379	7.0289	6.942408	6.946976	6.871834	6.966416	6.832148	6.920786	6.798441	6.837496
KCNJ16	KCNJ16	7.023893	7.264149	6.931324	7.538701	7.371155	7.159233	7.077683	7.069266	7.121295	7.103186	6.893936	7.007963
KCNJ2	KCNJ2	7.368459	7.189388	7.232735	7.500641	7.741027	7.55841	7.263972	7.414836	7.484617	7.431906	7.359008	7.976585
KCNJ3	KCNJ3	6.771538	7.026804	6.728149	6.956995	6.873128	6.979232	6.813905	6.89257	6.811183	6.842227	6.666425	6.793919
KCNJ4	KCNJ4	6.954628	7.049324	6.796018	7.08479	7.038232	7.256969	7.151557	7.290567	7.171554	7.443903	7.147401	7.238868
KCNJ5	KCNJ5	6.934366	7.088867	7.149118	7.073061	7.101123	8.252598	8.064522	8.073964	7.843435	8.180561	7.775636	8.230381
KCNJ6	KCNJ6	7.147646	7.229236	6.844654	7.165609	6.968803	7.094703	7.004581	7.009567	7.212395	6.977198	6.934035	6.972417
KCNJ8	KCNJ8	7.239363	7.480961	7.293826	8.079988	8.353163	9.833755	9.015668	9.27164	8.909343	9.281844	8.629272	8.997866

KCNJ9	KCNJ9	6.871589	7.09921	6.815229	7.022959	6.96177	7.058109	6.818205	6.875041	6.860186	6.910499	6.856029	6.884388
KCNK1	KCNK1	8.701676	9.118248	8.099013	8.117225	8.36229	7.685368	7.821494	7.89801	8.059283	7.97021	8.331087	8.262476
KCNK10	KCNK10	6.946713	7.133317	6.838927	7.241075	7.026507	7.169514	7.010382	7.039546	6.97668	6.974811	6.80753	6.948
KCNK12	KCNK12	10.45663	10.95233	10.84382	8.893151	7.868395	7.260882	6.916711	7.145739	7.580508	7.469524	6.734467	6.91258
KCNK13	KCNK13	6.976232	7.230455	7.502343	7.170128	7.034711	7.481234	7.201283	7.146731	7.029583	7.118297	6.904515	6.830318
KCNK15	KCNK15	7.02308	7.133632	6.846454	7.083641	7.069043	6.986995	7.123828	7.038391	6.839272	7.006859	6.86273	6.932982
KCNK16	KCNK16	6.856333	7.068159	6.849668	7.130518	6.921021	7.009365	6.923754	6.911827	6.880859	6.987793	6.951023	6.722144
KCNK17	KCNK17	7.766362	7.532828	8.258338	7.275584	6.981797	7.236642	6.999148	7.009507	7.089991	7.019349	6.882	6.780736
KCNK18	KCNK18	7.081801	7.355378	6.956276	7.237138	7.044779	7.231221	7.090145	7.150328	7.135124	7.093411	6.940016	6.977971
KCNK2	KCNK2	6.852522	7.089558	6.811307	6.980008	6.925288	6.996523	6.856886	6.959557	6.958937	6.96329	6.80491	6.959003
KCNK3	KCNK3	6.999182	7.204992	6.948408	7.196632	7.516329	8.584854	8.222463	8.263761	8.35023	8.306832	8.219308	7.865692
KCNK4	KCNK4	7.167768	7.382561	7.078485	7.182046	7.08478	7.272014	7.075523	7.006993	7.169246	7.179657	7.013556	6.97187
KCNK5	KCNK5	8.103716	7.817267	7.355648	7.459726	7.094769	7.12503	6.923869	7.076883	7.033667	6.931284	6.874338	6.884518
KCNK6	KCNK6	7.912606	7.8735	7.166835	7.650645	7.716534	7.210499	7.26129	7.503576	7.46978	7.355245	7.631039	7.523798
KCNK7	KCNK7	6.977575	7.205668	7.066046	7.1623	6.970007	7.012866	6.898638	6.997722	7.121923	7.140848	6.819918	6.965917
KCNK9	KCNK9	6.918758	7.019647	6.827396	6.981632	6.918859	7.079894	6.935336	7.00668	6.992926	7.04908	6.767437	6.986045
KCNMA1	KCNMA1	7.195463	7.435555	6.909013	7.897201	7.942292	7.26889	7.054849	7.175927	7.237979	7.215561	7.745648	7.64618
KCNMB1	KCNMB1	7.155782	7.158616	7.122688	7.392011	7.338572	7.777401	8.218195	8.495215	8.33267	8.630063	9.169151	7.817318
KCNMB2	KCNMB2	6.938466	7.087295	6.861149	7.015439	6.943569	7.04556	6.909221	7.028549	6.943532	7.037318	6.81911	6.869807
KCNMB3	KCNMB3	7.145454	7.373756	6.975112	7.133348	7.016616	7.130638	7.064243	7.082311	7.058279	7.097076	6.826118	6.902385
KCNMB4	KCNMB4	9.203773	9.644853	10.1529	9.239139	9.443789	10.38354	10.09945	10.01994	10.12525	10.25789	9.755413	9.60655
KCNN1	KCNN1	7.078914	7.287221	7.092766	7.131479	6.939747	7.190389	7.040524	7.111409	7.085948	7.046232	6.860629	6.97603
KCNN2	KCNN2	8.612979	8.938578	7.368554	9.041198	8.770471	8.997605	8.651032	8.82084	8.381802	8.6985	8.321934	8.463125
KCNN3	KCNN3	7.081452	7.246383	6.995297	7.133661	7.03416	7.244448	7.00118	7.065051	7.062461	7.129534	6.969199	6.930297
KCNN4	KCNN4	7.155861	7.549438	7.066552	7.205479	7.213477	7.450807	7.169578	7.232156	7.234635	7.263126	7.16787	7.304865
KCNQ1	KCNQ1	7.425665	7.602322	7.134413	7.218979	7.091718	7.221691	7.183072	7.251674	7.291145	7.372696	7.153723	7.433646
KCNQ1DN	KCNQ1DN	6.673818	7.166105	6.628359	6.900343	6.831387	6.936327	6.790809	6.931913	6.84791	6.750216	6.820456	6.639303
KCNQ2	KCNQ2	8.717115	8.366599	7.711358	7.888081	7.66171	7.258752	7.143658	7.086864	7.577798	7.067092	6.942479	6.940974
KCNQ3	KCNQ3	7.487154	7.596553	7.216769	7.446098	7.426929	7.336273	7.346057	7.165728	7.183699	7.317914	7.103412	7.236949
KCNQ4	KCNQ4	6.887184	7.115707	6.842732	7.017698	6.969712	7.03209	6.88334	6.967414	6.933083	6.916582	6.765063	6.956632
KCNQ5	KCNQ5	6.895697	6.933221	6.803327	7.036857	6.950253	7.039607	6.842546	7.035737	6.776022	6.91341	6.762265	6.772157
KCNRG	KCNRG	7.017905	7.208007	7.060212	7.137033	7.037348	7.211253	6.947157	7.032831	6.944491	7.050615	6.857018	6.811987
KCNS1	KCNS1	7.71694	8.249971	7.821044	8.930421	7.133574	7.074868	6.991271	7.110143	6.959331	7.051984	6.943141	7.011827
KCNS2	KCNS2	6.869707	7.103923	6.851745	7.043482	6.981935	6.923457	6.824842	6.940405	6.927415	6.845094	6.816747	6.871192
KCNS3	KCNS3	8.692653	8.636449	8.271953	7.801376	7.707447	7.27198	7.161329	7.100822	7.129832	7.035664	7.027337	6.965327
KCNT1	KCNT1	6.858061	7.007619	6.71995	6.928995	6.893261	7.004563	7.088682	7.552768	7.480874	7.812314	7.331448	7.182098

KCNT2	KCNT2	7.328281	7.579657	7.186001	7.506328	7.569286	7.415109	7.408334	7.240906	7.448672	7.143979	7.067698	7.023735
KCNV1	KCNV1	6.926584	7.00526	7.378653	7.118778	7.215531	6.910524	6.873994	7.005379	6.8833	7.026281	6.885986	6.855431
KCR1	KCR1	7.094585	7.557276	7.194769	7.231689	7.109141	7.09393	7.034335	7.079748	7.076282	7.072265	6.900392	7.096978
KCTD1	KCTD1	7.072635	7.542386	7.060784	7.494871	7.220648	7.578399	7.291549	7.246704	7.35173	7.189292	7.014806	7.076389
KCTD10	KCTD10	9.690497	10.04682	9.355764	10.02759	10.30492	11.01561	10.59012	10.52206	10.47271	10.45454	10.48632	10.52677
KCTD11	KCTD11	7.295222	7.383849	7.113338	7.610169	7.590499	7.665546	7.446779	7.43961	7.553359	7.576833	7.451191	7.801179
KCTD12	KCTD12	7.631366	7.331662	7.119992	9.699409	10.11712	10.46751	8.733324	7.973016	8.452142	7.618524	7.196735	7.464235
KCTD13	KCTD13	7.450935	7.696067	7.41023	7.916046	7.683053	7.734964	7.486195	7.697863	7.597055	7.602637	7.888884	7.433874
KCTD14	KCTD14	9.725638	9.944734	8.960278	8.424773	8.050765	7.262837	7.036888	7.146066	7.035316	6.962625	6.962401	6.879815
KCTD15	KCTD15	8.144325	8.872195	8.691979	8.9358	8.868339	8.482782	8.018421	7.968099	8.081962	7.70711	7.548556	7.497418
KCTD16	KCTD16	6.855697	6.971277	6.768184	7.040173	7.253176	7.194877	6.869872	7.020513	6.85784	6.94286	6.840003	6.781973
KCTD17	KCTD17	7.041536	7.426517	7.011498	7.286626	7.070382	7.469174	7.216872	7.187307	7.372092	7.472051	7.28034	7.334704
KCTD18	KCTD18	6.980762	7.175198	7.14743	7.356398	7.422286	7.858985	7.833918	7.78591	7.735156	7.608275	7.589868	7.885032
KCTD19	KCTD19	6.763291	7.028267	6.775603	7.02494	6.922093	6.992949	6.813617	6.937705	6.832003	6.847882	6.818464	6.793411
KCTD2	KCTD2	7.448341	7.716175	7.449508	7.472882	7.375997	7.545436	7.31194	7.521666	7.340919	7.458728	7.470648	7.518165
KCTD3	KCTD3	10.00917	10.28908	9.70508	10.01558	9.625061	9.958088	9.457827	9.62101	9.420355	9.431328	9.353011	9.316896
KCTD4	KCTD4	6.812809	6.995432	6.721664	7.005814	6.852981	6.874668	6.930175	6.950079	6.854307	6.870478	6.825205	6.862837
KCTD5	KCTD5	10.10117	10.50472	10.07145	10.30865	10.1846	10.72032	9.79484	10.16526	9.942178	9.874714	10.39103	9.902856
KCTD6	KCTD6	9.583689	9.805362	9.559921	10.00273	9.939552	9.54598	9.358908	9.26069	9.505702	9.249181	9.030731	9.041526
KCTD7	KCTD7	6.950117	7.061666	6.930877	7.172374	7.119816	7.318215	7.011762	7.051347	7.1177	7.014851	6.922775	7.147783
KCTD8	KCTD8	8.01055	7.875616	7.465608	8.463455	7.864234	7.937375	7.175937	7.342641	7.382303	7.219917	7.284168	7.029066
KCTD9	KCTD9	8.76862	8.883679	8.699852	8.799265	8.515917	9.221709	8.731741	8.545465	8.550234	8.524772	8.464031	8.463141
KDELC1	KDELC1	8.070491	8.782748	8.250198	8.425867	8.300342	8.27244	8.099283	8.189109	8.104139	8.001126	8.072373	7.888867
KDELC2	KDELC2	8.958199	9.247592	9.172275	9.892514	9.804128	9.183192	8.972951	8.985638	9.284237	8.746172	8.885289	8.947374
KDELR1	KDELR1	10.61127	10.70509	10.11966	10.69277	10.96059	10.34916	10.27006	10.60389	10.27026	10.38906	11.0018	10.12385
KDELR2	KDELR2	9.669996	10.42544	10.24997	10.90702	11.08023	10.79575	10.45944	10.66966	10.61562	10.39889	11.17919	10.59516
KDELR3	KDELR3	7.811379	8.162172	7.744667	8.71226	9.151246	8.731628	9.053968	9.513694	9.345137	9.251901	10.11692	9.337726
KDR	KDR	7.443544	7.677049	7.793361	8.795316	8.242113	8.555053	7.906762	7.67821	7.405364	7.180922	6.887512	7.071519
KEAP1	KEAP1	8.91991	9.448712	8.173833	8.629423	8.479755	9.13563	8.917019	9.11039	8.946146	9.108292	9.145779	9.24545
KEL	KEL	7.099852	7.289723	9.331523	8.677817	7.97334	7.793481	7.713173	7.582336	7.226835	7.312174	6.982147	6.810827
KENAE	KENAE	6.949033	7.025834	6.803061	7.035378	6.809535	7.01532	6.818084	6.979752	6.885879	6.923755	6.710682	6.845728
KERA	KERA	6.994293	7.147046	6.917334	6.975174	7.006071	7.034354	6.96455	6.958898	6.962502	6.940557	6.758484	6.888233
KGFLP1	KGFLP1	6.909598	7.078374	6.729407	7.097358	6.9173	6.870716	6.884063	6.906347	6.916777	6.963195	6.740564	6.858386
KHDRBS1	KHDRBS1	12.8048	13.03186	12.54696	12.58066	12.63737	12.40668	12.07919	12.05699	12.2043	11.93023	11.82118	11.34639
KHDRBS2	KHDRBS2	7.234469	7.246318	7.017455	7.429629	7.229692	7.193381	6.983891	7.028095	6.964765	6.969414	6.836192	6.79792
KHDRBS3	KHDRBS3	9.182992	9.529432	9.585306	8.999381	8.197855	9.17298	8.517632	8.698048	8.743016	8.613108	8.989082	8.478921

KHK	KHK	7.124039	7.390921	6.924992	7.14001	7.0519	7.295529	7.120029	7.1689	7.056717	7.132719	6.961076	6.98084
KHSRP	KHSRP	10.99797	11.44998	10.44093	10.6665	10.00097	9.904606	9.496561	9.239929	9.334151	9.217774	8.434998	9.196393
KIAA0020	KIAA0020	10.82257	11.05395	10.51105	10.34429	9.963113	10.25598	9.336489	9.719071	9.575042	9.489515	9.991892	9.258875
KIAA0040	KIAA0040	7.088262	7.296848	6.94518	7.148379	7.120121	7.239334	7.144489	7.24902	7.054769	7.22204	7.121169	7.128541
KIAA0082	KIAA0082	7.22536	7.230058	7.011684	7.243669	7.124172	7.4733	7.249928	7.195394	7.211858	7.324492	7.099669	7.138233
KIAA0090	KIAA0090	8.827888	9.37701	8.873642	9.325301	9.252874	9.01371	8.676968	8.685724	8.799664	8.749855	8.729495	8.656943
KIAA0100	KIAA0100	7.256039	7.699944	7.27301	7.528373	7.289031	7.436651	7.212173	7.200299	7.209786	7.426579	7.219929	7.132863
KIAA0101	KIAA0101	12.93289	13.51995	12.97733	13.36018	13.17371	13.12459	13.26751	12.99555	13.15318	13.05684	12.6013	12.95904
KIAA0103	KIAA0103	7.436601	7.776907	7.449791	7.61735	7.512007	8.146481	7.99482	7.805725	7.981334	7.840482	7.731098	7.868341
KIAA0125	KIAA0125	6.819326	7.130402	6.71998	7.156627	6.902536	6.989677	6.847958	6.852581	6.834356	7.024633	6.924217	6.848148
KIAA0133	KIAA0133	8.261659	8.327771	7.937652	8.094804	7.613821	7.58351	7.426378	7.402445	7.335242	7.38815	7.232732	7.294482
KIAA0141	KIAA0141	9.032483	9.033165	8.671635	8.845493	9.022507	9.5344	8.930177	9.222645	8.812466	9.027045	8.962974	8.697067
KIAA0143	KIAA0143	10.53297	10.67317	9.775925	10.27617	10.13123	10.88263	10.74009	11.00722	10.5262	10.76509	10.50578	10.78222
KIAA0152	KIAA0152	11.42509	11.43761	10.78528	11.24433	10.82467	10.83475	10.62631	10.75849	10.4516	10.4583	10.59829	10.30219
KIAA0157	KIAA0157	9.644973	9.876468	9.756128	10.05848	10.00999	10.72707	10.10289	10.18936	10.07845	9.876041	9.601654	9.745229
KIAA0174	KIAA0174	12.21358	12.53921	12.25284	12.6082	12.28743	12.4692	12.04715	11.92437	11.93811	11.672	11.29016	11.49152
KIAA0179	KIAA0179	9.194344	9.20431	8.494583	8.548725	8.294168	8.210922	7.60788	7.557896	7.715491	7.590529	7.603225	7.682737
KIAA0182	KIAA0182	9.251254	9.712924	9.713377	10.01661	10.08904	10.11981	9.702832	9.725303	9.485664	9.511645	9.033805	9.170754
KIAA0194	KIAA0194	9.143182	9.540517	9.114866	9.650137	9.482573	9.513579	9.231188	9.062084	9.293741	9.096613	8.797471	9.099377
KIAA0195	KIAA0195	8.036852	8.336396	7.895673	8.263568	8.294855	8.299937	8.083846	8.191489	7.893623	7.957601	8.01349	7.688004
KIAA0196	KIAA0196	9.953248	10.25181	9.893476	9.922127	9.586187	10.34843	9.650785	9.855655	9.545021	9.825462	9.888747	9.738402
KIAA0226	KIAA0226	6.945933	7.170098	6.891048	7.085884	7.100778	7.156261	6.886599	7.16059	6.955438	7.031498	6.964427	6.997131
KIAA0232	KIAA0232	7.438643	7.616208	7.512449	8.014502	7.930592	8.527038	8.051044	8.028716	7.713805	7.881577	7.390862	7.505716
KIAA0240	KIAA0240	9.033499	9.374249	8.830089	8.90091	8.755197	9.08672	8.840206	8.875467	8.728842	8.737238	8.550599	8.739513
KIAA0241	KIAA0241	8.105874	8.299957	7.779108	7.725621	7.513616	7.554075	7.372573	7.399282	7.308306	7.329119	7.403546	7.269208
KIAA0247	KIAA0247	7.304671	7.41798	7.179097	7.975096	8.100521	8.460479	8.126376	8.331208	8.040711	8.478882	8.315262	8.293979
KIAA0251	KIAA0251	7.220197	7.368335	7.062591	7.303976	7.190672	7.268642	7.073063	7.286575	7.142046	7.270406	7.100521	7.146173
KIAA0256	KIAA0256	8.123189	8.401857	8.508025	9.156887	9.071668	9.047948	8.656112	8.711094	8.746223	8.632691	8.732749	8.862502
KIAA0258	KIAA0258	7.093757	7.376183	6.990809	7.159151	7.136228	7.24461	7.201485	7.23828	7.17153	7.294035	7.129605	7.111445
KIAA0261	KIAA0261	8.839173	9.124572	8.694562	9.259715	8.795974	9.01932	8.325905	8.422985	8.346545	8.283631	8.390611	8.33261
KIAA0265	KIAA0265	7.070064	7.338083	7.03137	7.564835	7.547383	7.369037	7.307159	7.484091	7.484394	7.467065	7.503723	7.467129
KIAA0274	KIAA0274	8.808209	8.951363	8.191223	8.605569	8.213815	8.58429	8.393264	8.499933	8.399431	8.446537	8.154056	8.127897
KIAA0280	KIAA0280	6.950934	7.174136	6.855007	7.113516	7.014807	7.129179	6.97746	6.9968	7.07459	7.02484	6.940557	7.076739
KIAA0284	KIAA0284	7.105558	7.340358	6.904472	7.235528	7.130685	7.251655	7.139945	7.014268	7.004169	7.072133	6.990203	7.043601
KIAA0286	KIAA0286	8.969383	9.522072	9.12766	9.375554	8.486014	8.501653	7.731966	7.588591	7.619583	7.609433	7.219953	7.400782
KIAA0310	KIAA0310	9.734058	9.919763	9.260733	9.922262	10.03549	9.903284	9.349038	9.48259	9.393508	9.360379	9.509905	9.219071

KIAA0317	KIAA0317	6.842805	7.178836	6.854742	7.033808	7.05001	7.035925	6.912167	7.007196	6.72444	7.048583	6.85452	6.829042
KIAA0319	KIAA0319	7.063247	7.327738	6.842072	6.965737	6.948491	6.918642	6.916101	6.94164	6.95167	6.909812	6.711652	6.793351
KIAA0319L	KIAA0319L	7.616008	7.842576	7.317597	7.706931	7.521409	7.816306	7.601451	7.676943	7.548261	7.778619	7.589093	7.521162
KIAA0323	KIAA0323	7.866556	8.012311	8.084549	8.59777	8.777758	8.512594	8.349982	8.437789	8.234117	7.997814	8.081234	7.697652
KIAA0329	KIAA0329	6.991345	7.07814	6.878247	7.197927	6.971328	7.032083	6.992517	7.040206	7.075579	7.187107	6.916752	6.991141
KIAA0350	KIAA0350	8.920676	9.120316	8.943585	9.604378	9.710243	9.774904	9.370166	9.487213	9.497312	9.515789	9.225652	9.459276
KIAA0355	KIAA0355	9.701867	10.155	9.657102	10.1987	10.27544	10.44686	9.793478	9.787786	9.749832	9.452074	9.222859	9.13669
KIAA0363	KIAA0363	8.416865	8.77684	7.710414	8.032234	7.987582	7.668509	7.765407	7.936487	8.567341	7.823966	8.163514	8.224484
KIAA0367	KIAA0367	8.254906	7.807432	7.082565	7.175391	7.253806	7.482425	8.226947	8.57504	8.529063	8.727123	8.492063	8.098153
KIAA0368	KIAA0368	8.077271	8.23967	7.330457	7.80882	7.789787	8.316873	7.964076	8.088282	8.017036	7.880905	7.42996	7.245926
KIAA0372	KIAA0372	9.385736	9.871799	9.381014	10.13195	9.728967	10.43399	9.871563	9.850091	10.04512	10.02159	9.950565	10.06241
KIAA0376	KIAA0376	11.41524	11.67702	11.12754	11.87755	11.97664	11.9058	11.40061	11.37838	11.36554	11.26838	10.86629	10.86852
KIAA0391	KIAA0391	10.51495	10.83032	10.0888	9.908177	9.797795	10.91529	9.998047	9.861219	9.813755	9.810835	9.446671	9.435466
KIAA0404	KIAA0404	7.742023	8.032208	7.581026	7.881357	7.840055	8.178076	7.831245	8.012903	7.799969	7.951192	7.991694	7.876828
KIAA0406	KIAA0406	8.248338	8.566592	7.859274	8.187457	7.93836	8.028091	7.793256	7.826933	7.679093	7.8035	7.543541	7.582902
KIAA0408	KIAA0408	7.318709	7.589453	7.190833	7.460364	7.387977	7.519439	7.472634	7.356265	7.383362	7.354002	7.204079	7.377229
KIAA0409	KIAA0409	8.037686	8.524217	7.789218	8.145377	8.139321	9.219704	8.641731	8.580843	8.696648	8.720835	8.506117	8.494069
KIAA0415	KIAA0415	7.192455	7.342429	7.166895	7.417392	7.242177	7.424111	7.111253	7.314004	7.223221	7.158072	7.179207	7.249579
KIAA0423	KIAA0423	7.700762	8.31412	8.073557	8.564079	8.822091	9.211712	9.229014	8.905225	9.184012	8.895942	8.349523	8.93531
KIAA0427	KIAA0427	7.498028	7.599032	7.45585	7.9404	8.024884	8.481136	8.063496	8.42422	8.262347	8.424005	8.648775	8.370332
KIAA0446	KIAA0446	10.00366	10.5265	9.494154	9.654346	9.49026	9.964033	9.534034	9.440577	9.582532	9.711896	9.18866	9.463331
KIAA0460	KIAA0460	7.403116	7.782724	7.369729	7.625855	7.52526	7.706733	7.491476	7.411418	7.405021	7.397191	7.176815	7.27798
KIAA0467	KIAA0467	7.033565	7.098389	6.917558	7.038667	7.028173	7.109327	6.991932	7.091492	6.944251	7.033605	6.93788	6.902663
KIAA0492	KIAA0492	7.296164	7.684675	7.455165	7.664037	7.730366	7.437895	7.639978	7.361033	7.436213	7.367696	7.084429	7.101111
KIAA0494	KIAA0494	9.153293	9.253572	9.076247	9.682607	9.377816	9.650606	9.44555	9.478705	9.305787	9.231059	9.021202	9.32522
KIAA0495	KIAA0495	8.257977	8.289976	7.8101	8.226028	8.392611	8.18789	8.14982	7.966848	8.185196	8.08474	7.583014	7.705938
KIAA0513	KIAA0513	7.38712	7.558262	7.15792	7.728207	7.729383	7.65714	7.542143	7.59091	7.492404	7.421358	7.257824	7.301773
KIAA0514	KIAA0514	7.704023	7.795626	7.245835	7.157657	6.976099	6.892495	6.804634	6.863785	6.899974	6.853084	6.655153	6.818477
KIAA0523	KIAA0523	8.19283	8.173608	7.133704	7.298352	7.203946	7.453557	7.155397	7.164959	7.432134	7.200716	6.863338	7.079435
KIAA0527	KIAA0527	6.929283	7.124445	6.887361	7.073412	6.975338	7.019143	6.943782	6.984717	6.932686	6.972894	6.853939	6.924885
KIAA0528	KIAA0528	11.15874	11.71455	10.85218	11.00856	10.70161	10.6941	10.40682	10.10748	10.4843	9.870227	9.059489	9.550203
KIAA0553	KIAA0553	7.151394	7.407935	7.116547	7.332869	7.232585	7.269373	6.959767	7.072717	7.089862	7.12011	6.887756	7.067052
KIAA0556	KIAA0556	8.150973	8.17161	7.956625	8.44113	8.378588	8.244449	8.216205	8.082733	8.166397	8.102808	7.884566	7.836482
KIAA0562	KIAA0562	7.701312	8.138983	7.714578	7.870047	7.670598	7.543787	7.461946	7.642114	7.52369	7.59261	7.754416	7.786156
KIAA0564	KIAA0564	7.708295	7.815728	7.496105	7.701949	7.621875	8.33717	7.91284	8.060063	7.79777	8.044328	7.711028	7.707651
KIAA0565	KIAA0565	6.921745	7.14138	6.859164	7.102157	7.035522	6.99773	6.902079	6.957302	6.926216	6.97648	6.828947	6.855138

KIAA0586	KIAA0586	8.332758	8.845021	8.146054	8.595006	8.254545	8.493417	8.30198	8.203299	8.175797	8.060304	7.767988	7.92128
KIAA0644	KIAA0644	8.424434	8.25695	8.214825	8.680049	8.6289	7.979936	8.301847	7.959301	8.656956	7.38384	7.15341	7.63821
KIAA0649	KIAA0649	8.009772	8.056441	7.532757	8.047573	7.764131	7.751847	7.587458	7.646419	7.511606	7.543665	7.468523	7.586962
KIAA0652	KIAA0652	7.055588	7.249617	7.045605	7.37624	7.134053	7.266557	7.073094	7.143372	7.043331	7.285573	7.017953	7.116262
KIAA0664	KIAA0664	8.517153	8.843264	7.702469	8.100921	8.074848	8.452208	8.006884	8.195013	8.061064	8.25151	8.306445	8.385503
KIAA0672	KIAA0672	9.642801	9.756587	9.082648	9.17047	9.925902	9.419655	9.140637	9.122928	8.958655	8.933515	8.314224	9.074926
KIAA0674	KIAA0674	7.436694	7.80448	7.566571	7.871705	7.681625	7.995749	7.867364	7.867279	7.660718	7.78153	7.835467	7.633434
KIAA0683	KIAA0683	8.306907	9.013117	8.340909	8.615002	8.302506	8.317927	8.158785	7.814941	8.02049	7.907266	7.624946	8.053411
KIAA0690	KIAA0690	9.53147	9.772068	8.642202	8.581786	8.239615	9.157691	8.537246	8.771549	8.56852	8.690815	8.840842	8.404573
KIAA0692	KIAA0692	6.914019	7.122411	6.848593	7.060916	6.977299	7.037059	6.92878	6.978296	6.926421	6.941953	6.847445	6.841261
KIAA0701	KIAA0701	7.341717	7.611693	7.253443	7.537114	7.300611	7.815161	7.466274	7.459934	7.511585	7.565	7.406705	7.354833
KIAA0703	KIAA0703	6.932502	7.115237	6.77864	6.945244	6.917951	6.832236	6.788269	6.756273	6.817935	6.825096	6.664218	6.734794
KIAA0738	KIAA0738	10.11357	10.84254	10.37319	10.88272	10.8652	10.85947	10.87245	10.48823	10.70068	10.64631	10.13459	10.44608
KIAA0746	KIAA0746	9.884297	10.61494	8.785945	8.385273	7.860667	7.821718	7.609307	7.87551	8.200454	7.964382	9.032535	8.790834
KIAA0748	KIAA0748	6.942916	7.220974	6.911682	7.111898	7.043739	7.060163	6.952014	7.057261	7.01456	6.972064	6.806569	6.921422
KIAA0753	KIAA0753	7.829145	8.1377	7.809858	8.142318	7.87366	7.86824	7.80195	7.592115	7.677885	7.514534	7.385888	7.302232
KIAA0773	KIAA0773	7.215726	7.572026	7.062183	7.179844	7.088262	7.199992	7.052795	7.101724	7.153311	7.138065	6.890074	6.923999
KIAA0774	KIAA0774	6.843974	7.071217	6.817691	7.045172	7.251418	8.542208	8.283783	8.618553	8.119054	8.618524	7.952659	7.836852
KIAA0776	KIAA0776	7.126951	7.578918	7.545749	7.808015	7.747944	8.196369	7.797091	7.678489	7.869674	7.729654	7.521352	7.925935
KIAA0789	KIAA0789	6.9292	7.060942	6.9743	7.098841	7.066141	7.004275	6.938631	7.116918	7.104724	7.034112	6.823862	6.968112
KIAA0802	KIAA0802	7.489023	7.691466	7.293007	7.159753	7.069432	7.300531	6.972141	7.252759	7.14433	7.166572	7.038022	6.978011
KIAA0828	KIAA0828	8.094913	8.277441	7.992527	8.199924	8.204802	8.098333	7.935977	8.053998	7.857878	7.783762	7.547005	7.709881
KIAA0830	KIAA0830	7.045701	7.201525	7.171596	8.216351	8.005436	8.087312	8.098539	8.289327	8.216628	7.920631	8.244335	7.553481
KIAA0831	KIAA0831	9.034495	9.637159	9.020787	9.147642	8.991139	9.352958	8.910216	8.861146	8.990057	8.756914	8.372764	8.648712
KIAA0853	KIAA0853	6.989311	7.0596	6.886717	7.044342	7.008943	7.011128	6.883689	6.959671	6.875942	6.896212	6.852324	6.887771
KIAA0859	KIAA0859	10.48022	10.89874	9.619453	9.684394	9.429906	9.699902	9.031184	9.118137	9.025469	8.982706	8.898338	9.124299
KIAA0888	KIAA0888	7.064856	7.234472	6.921438	7.106818	7.000124	7.073509	6.948519	6.992931	6.943036	7.010441	6.810746	6.873652
KIAA0889	KIAA0889	7.121943	7.461279	7.179348	7.378946	7.373597	7.286034	7.244462	7.189612	7.281971	7.180668	6.985426	6.978199
KIAA0892	KIAA0892	7.988736	8.346761	7.961387	8.353907	8.461091	8.569095	8.384063	8.5971	8.476526	8.380093	8.275494	8.257695
KIAA0895	KIAA0895	6.797167	7.163192	7.083244	7.966057	8.461385	9.263537	8.666862	8.856386	8.488705	8.663121	8.561799	8.484181
KIAA0907	KIAA0907	10.24077	10.63639	9.967585	10.36339	10.11484	10.60498	10.00578	10.10304	10.18844	10.06949	9.907954	10.02351
KIAA0913	KIAA0913	8.452898	9.062502	8.614512	9.33255	9.567861	9.968358	9.453565	9.729751	9.523564	9.452163	9.592675	9.268108
KIAA0922	KIAA0922	8.468229	8.765327	7.851522	7.894472	7.721647	7.452468	7.290952	7.432325	7.609875	7.535743	7.299207	7.330073
KIAA0947	KIAA0947	7.731124	8.105996	7.566627	7.733979	7.614297	7.471021	7.427627	7.370453	7.38339	7.503559	7.373306	7.456935
KIAA0953	KIAA0953	6.807434	7.084933	6.852824	7.019211	6.907796	6.924737	6.907096	6.988256	6.806102	6.911115	6.760956	6.865673
KIAA0961	KIAA0961	7.071544	7.498021	7.535706	7.702636	7.859885	8.739029	7.739158	7.518511	7.893579	7.399146	7.104071	7.330853

KIAA0963	KIAA0963	7.214492	7.404405	7.100411	7.347108	7.229596	7.20477	7.089212	7.226712	7.096679	7.262267	7.350362	7.105253
KIAA0980	KIAA0980	8.576909	8.692059	8.38045	8.815142	8.670311	8.1127	8.103617	7.819491	8.019592	7.681518	7.14593	7.235644
KIAA0999	KIAA0999	9.528522	10.05682	9.15651	9.861362	9.602331	10.19071	9.636569	9.467367	9.693757	9.412263	8.828356	9.490409
KIAA1005	KIAA1005	7.048488	7.229905	6.965973	7.199544	7.036131	7.17598	6.954869	7.05378	6.984066	7.107655	6.90772	7.037678
KIAA1008	KIAA1008	7.126469	7.127147	7.045936	7.251469	7.215378	7.429017	7.062622	7.375684	7.202911	7.224488	7.039856	7.054506
KIAA1012	KIAA1012	10.02833	10.40453	9.922035	10.16292	9.909833	10.46124	9.90339	9.993184	9.833923	9.87241	9.669832	10.15263
KIAA1024	KIAA1024	7.086385	7.051943	7.804381	9.133183	7.939024	7.381709	7.112317	7.177167	7.949661	7.097049	6.951867	7.176502
KIAA1026	KIAA1026	7.14161	7.488148	7.453015	7.432969	7.218098	7.296285	7.06874	7.041598	7.135878	7.108098	6.878708	6.977551
KIAA1033	KIAA1033	7.275343	7.710398	7.187078	7.366586	7.319898	7.190961	7.248869	7.179316	7.308112	7.153438	7.020874	7.407054
KIAA1076	KIAA1076	7.329155	7.620458	7.423395	7.499586	7.332555	7.400581	7.368011	7.382884	7.293698	7.294972	7.126341	7.189515
KIAA1086	KIAA1086	6.961361	7.189562	6.884787	7.162961	7.012938	7.184852	6.909483	7.046567	7.012501	6.965535	6.818525	6.905784
KIAA1107	KIAA1107	7.003353	7.254268	6.959633	7.242304	7.129941	7.2331	7.146327	7.020079	7.312213	7.163315	6.952025	7.091341
KIAA1109	KIAA1109	6.877697	7.060966	6.856579	7.014311	6.89339	7.086398	7.07343	6.931988	7.046799	7.017231	6.831351	6.95424
KIAA1128	KIAA1128	7.844882	8.017655	7.866109	8.466002	8.468913	9.351574	9.505988	9.946525	9.367411	9.720373	9.62249	9.410122
KIAA1143	KIAA1143	7.534102	7.888179	7.590953	7.547659	7.512618	7.867126	7.574465	7.618869	7.64759	7.651754	7.455393	7.361894
KIAA1147	KIAA1147	10.51748	10.71334	10.45582	10.34526	9.961378	9.499025	8.82058	8.88556	8.85875	8.594965	8.530518	8.644632
KIAA1155	KIAA1155	6.996253	7.148263	6.878995	7.123153	7.052307	7.08746	6.955341	6.948064	6.961477	6.966977	6.796975	6.898342
KIAA1160	KIAA1160	8.446267	8.720155	8.465112	8.694033	8.780459	9.264875	8.784205	8.817336	8.781321	8.919456	8.851655	8.870344
KIAA1161	KIAA1161	7.115336	7.114787	7.050849	7.199976	7.135435	7.20874	7.026389	7.025631	7.033632	7.101495	6.779002	7.068363
KIAA1166	KIAA1166	7.330336	7.39018	7.076066	7.422231	7.189601	7.658437	7.435374	7.278241	7.28814	7.4727	7.175944	7.286847
KIAA1171	KIAA1171	6.831277	7.03915	6.736771	6.90035	6.891001	6.990134	6.793289	6.81511	6.878082	6.835559	6.836385	6.812096
KIAA1189	KIAA1189	6.886198	7.111808	6.813558	7.05492	6.936551	6.988257	6.926797	6.970692	6.867435	6.921886	6.796325	6.87182
KIAA1191	KIAA1191	11.01902	11.08498	10.8227	11.2815	11.25416	11.76395	11.45851	11.39536	11.38122	11.51184	11.22163	11.3503
KIAA1193	KIAA1193	7.313785	7.468792	7.121151	7.408676	7.375096	7.442457	7.030224	7.289168	7.146709	7.167972	7.284907	7.113507
KIAA1199	KIAA1199	6.970152	7.144101	6.900053	7.850034	9.370235	7.662259	7.245007	7.649731	7.586758	7.532536	8.120118	7.800597
KIAA1205	KIAA1205	7.098253	7.314452	7.028719	7.292569	7.13254	7.11163	7.118479	7.094534	7.024005	7.177874	6.867315	7.146542
KIAA1210	KIAA1210	6.945735	7.081019	6.888424	7.003147	7.027169	7.020636	7.022152	6.939032	7.017137	7.002828	6.803731	6.866154
KIAA1211	KIAA1211	7.637154	7.953977	7.503232	7.704021	7.549364	7.200026	7.211887	7.086348	7.343777	7.091135	6.885045	6.9035
KIAA1212	KIAA1212	8.567288	8.745582	8.247778	8.544249	8.517989	8.766222	8.46553	8.219031	8.371449	8.373936	7.953565	8.098555
KIAA1217	KIAA1217	7.615204	8.260348	7.469554	8.485729	8.544218	8.188387	7.617692	7.640721	7.617881	7.447889	7.054373	7.343044
KIAA1219	KIAA1219	7.887188	8.019922	7.770194	8.064503	7.567204	7.96738	7.426266	7.728027	7.679771	7.68791	7.917682	7.981941
KIAA1239	KIAA1239	6.769266	7.066532	6.733836	7.061232	6.988365	7.045497	6.898326	6.912977	6.884776	6.938315	6.788949	6.754747
KIAA1244	KIAA1244	7.675913	7.686157	7.067321	7.255174	7.004955	7.105855	6.914757	6.9637	6.931365	6.893603	6.857186	6.995509
KIAA1245	KIAA1245	6.902525	7.086743	6.884476	7.071119	7.033694	7.008381	6.953481	6.994848	6.951685	6.985292	6.808838	6.90084
KIAA1257	KIAA1257	6.991762	7.161465	6.747951	7.129936	6.974884	7.207012	6.887146	6.962976	6.959089	6.965169	6.842801	6.883994
KIAA1267	KIAA1267	9.921633	10.50977	9.987275	10.40109	10.13307	10.31506	9.675074	9.424616	9.664994	9.381425	9.056471	9.09339

KIAA1271	KIAA1271	7.094606	7.233761	7.080132	7.159567	7.273147	7.263347	7.13091	7.173258	7.18001	7.104551	7.011015	7.148478
KIAA1274	KIAA1274	7.201805	7.418346	6.956439	7.180043	7.028902	6.995662	7.03507	7.109144	7.007494	7.069657	6.845774	6.880896
KIAA1276	KIAA1276	7.119952	7.261716	6.971868	7.270502	7.162259	7.332115	7.170097	7.173852	7.197907	7.17573	7.033189	7.192809
KIAA1279	KIAA1279	9.13089	9.54742	8.930204	8.864813	8.866916	9.55862	9.342815	9.567615	9.380561	9.588527	9.860055	9.466838
KIAA1285	KIAA1285	7.416899	7.337626	7.214878	7.585302	7.303311	7.435798	7.177245	7.162347	7.178559	7.250949	7.073132	7.235028
KIAA1287	KIAA1287	8.638211	8.786276	8.38653	8.541342	8.56441	8.917557	8.4221	8.373525	8.295142	8.288163	7.928249	7.905834
KIAA1324	KIAA1324	6.974032	7.07211	6.823949	7.057761	6.91777	7.204914	6.928288	7.171078	7.065174	7.101745	7.040505	7.008041
KIAA1324L	KIAA1324L	8.919215	9.206842	9.3081	10.56939	9.866005	10.31636	8.998195	8.592144	8.237922	8.047509	7.773669	7.479181
KIAA1328	KIAA1328	7.273518	7.437726	7.032547	7.345852	7.339258	7.294063	7.221716	7.239975	7.314722	7.254216	7.126578	7.211536
KIAA1333	KIAA1333	8.594651	8.595534	8.008884	8.373252	7.937289	7.744451	7.514445	7.435246	7.45202	7.275005	7.075675	7.123124
KIAA1344	KIAA1344	7.526555	8.141206	7.63855	7.942375	7.559687	7.458981	7.130696	7.219774	7.164468	7.224684	7.025316	6.997247
KIAA1345	KIAA1345	7.429908	7.772882	7.373436	7.68856	7.639433	7.746563	7.573377	7.704585	7.5411	7.593022	7.509339	7.364277
KIAA1370	KIAA1370	7.596501	7.974272	7.878075	8.393474	8.683909	9.678783	9.132371	9.140772	9.032231	9.135286	8.798256	9.249735
KIAA1377	KIAA1377	6.851213	7.016843	6.877249	7.023864	6.974647	6.937115	6.954544	6.995807	7.06326	7.002087	6.918058	6.869449
KIAA1383	KIAA1383	7.369736	7.6644	7.309401	7.383587	7.409057	7.655441	7.478705	7.552086	7.241765	7.426656	7.308703	7.192619
KIAA1394	KIAA1394	7.00271	7.189353	6.89735	7.219087	7.447172	7.219422	7.232743	7.356678	7.324238	7.291474	7.101345	7.101951
KIAA1407	KIAA1407	6.92532	7.09346	6.92609	7.254834	7.343272	7.194405	7.003106	7.077225	7.094431	7.038176	6.902624	6.897107
KIAA1409	KIAA1409	7.257979	7.723918	7.658102	7.194617	6.914111	7.126115	7.060307	6.976094	7.02127	6.929097	6.803422	6.88562
KIAA1411	KIAA1411	8.081611	8.505037	7.863795	8.062265	7.89372	8.270578	7.800516	7.852272	7.856788	7.728704	7.550313	7.621432
KIAA1414	KIAA1414	7.778511	8.301126	8.004144	8.487689	8.211126	8.903371	8.46728	8.75037	8.550134	8.61893	8.199739	8.408604
KIAA1423	KIAA1423	10.84053	11.14123	10.73465	11.617	11.41359	11.2201	10.93004	10.80849	10.80733	10.46552	10.49657	10.29694
KIAA1429	KIAA1429	8.350782	8.629346	8.444911	8.905762	8.582911	8.94881	8.474074	8.627103	8.401904	8.519313	8.48455	8.445781
KIAA1432	KIAA1432	6.997789	7.194037	6.921632	7.165558	7.006945	7.131538	6.927387	7.182468	6.990061	6.973562	6.882806	6.961529
KIAA1434	KIAA1434	7.549107	8.182855	8.260577	8.529676	8.850322	8.659777	8.253286	8.149752	8.382895	7.928672	7.903162	7.481941
KIAA1443	KIAA1443	6.989248	7.120462	6.931782	7.224306	7.114072	7.325469	7.041314	7.046695	7.077599	7.010923	6.930836	6.842454
KIAA1446	KIAA1446	7.518736	8.048662	7.434715	7.429021	7.214701	7.814263	7.448015	7.637608	7.811771	7.657513	7.31733	7.491165
KIAA1456	KIAA1456	6.860853	7.102396	6.751979	6.940292	6.961323	6.936995	6.968326	6.97419	6.893195	6.945073	6.741647	6.874601
KIAA1462	KIAA1462	6.85923	7.110486	6.904462	7.141954	7.003939	7.058822	6.990931	6.872789	6.992361	6.988889	6.816393	7.06752
KIAA1467	KIAA1467	8.618808	8.653779	8.173368	8.1913	7.711291	7.57835	7.390011	7.476222	7.570582	7.246088	7.204727	7.27484
KIAA1468	KIAA1468	8.142446	8.76536	8.095218	8.612295	8.030025	8.44313	8.113049	8.038989	8.097505	8.127707	7.916776	8.291564
KIAA1486	KIAA1486	6.964314	7.164913	6.858232	6.896493	6.869508	7.004859	6.929578	7.034656	6.883723	6.896774	6.810037	6.905097
KIAA1505	KIAA1505	6.915	7.021014	6.984121	7.290408	7.34331	7.323528	7.138449	7.303417	7.306898	7.178623	7.067975	7.064827
KIAA1522	KIAA1522	8.328223	9.026145	8.180544	8.256014	8.364696	7.400079	7.162572	7.142068	7.417019	7.059391	7.446315	7.334966
KIAA1524	KIAA1524	7.44106	7.840351	7.34864	7.249919	7.130352	7.087455	6.998318	6.979835	7.010029	6.967021	6.752842	6.885417
KIAA1529	KIAA1529	6.839551	6.983003	6.78051	7.112974	6.894518	7.042087	6.870937	6.908279	6.873611	6.86311	6.763323	6.831897
KIAA1530	KIAA1530	7.720667	7.716813	7.404776	7.617011	7.6134	7.415392	7.285921	7.321475	7.438697	7.209769	7.047609	7.210879

KIAA1539	KIAA1539	7.426082	7.803296	7.705286	8.506658	8.370105	8.529873	8.459539	8.627558	8.478055	8.517816	9.083506	8.273108
KIAA1542	KIAA1542	7.009625	7.262481	6.985078	7.206618	7.041556	7.008214	7.013279	6.955644	6.795255	6.911294	6.998357	6.894189
KIAA1543	KIAA1543	7.282356	7.324654	6.989836	7.179004	7.082627	6.946419	6.862731	6.935907	6.982048	6.864568	6.846771	6.940239
KIAA1545	KIAA1545	6.952521	7.17634	7.101966	7.762248	7.978184	8.418336	7.814508	8.110917	8.091957	8.171025	8.039489	7.997525
KIAA1549	KIAA1549	7.105465	7.40452	7.023937	7.323057	7.322455	7.155006	7.021353	6.973336	7.038592	7.042103	6.817695	6.873769
KIAA1553	KIAA1553	8.178308	8.708831	7.803044	7.652796	7.351473	7.327173	7.187131	7.269918	7.156836	7.207776	7.021675	7.056547
KIAA1559	KIAA1559	7.222539	7.299933	7.118725	7.18379	7.339081	7.430702	7.206005	7.078389	7.200028	7.152651	6.981611	6.923543
KIAA1571	KIAA1571	6.922132	7.224855	6.77043	7.283461	7.169174	7.337072	7.028045	7.010852	7.086739	7.243821	6.818096	7.111721
KIAA1576	KIAA1576	8.498089	9.858381	7.775334	8.188262	8.209948	8.190993	8.137103	8.001707	8.224443	8.530738	8.444307	8.499614
KIAA1586	KIAA1586	7.469885	8.044594	7.798067	7.868326	7.624879	7.708149	7.423109	7.548101	7.52593	7.37739	7.157348	7.264249
KIAA1598	KIAA1598	9.275497	10.2396	9.273103	9.895209	9.604745	8.986057	8.559802	8.781627	8.743611	8.244927	8.634365	8.32064
KIAA1600	KIAA1600	8.975221	9.267912	9.24668	9.845365	9.858649	9.896571	9.578246	9.47924	9.430078	9.229962	9.386783	9.346352
KIAA1602	KIAA1602	8.22193	8.186911	7.682021	8.581405	8.409803	8.521089	8.244694	8.477076	8.297917	8.339302	8.528012	8.131285
KIAA1604	KIAA1604	7.320862	7.667654	7.252243	7.352731	7.206813	7.359477	7.096404	7.213921	7.286425	7.277569	7.070542	7.243459
KIAA1609	KIAA1609	7.158671	7.302754	6.971528	7.362462	7.188465	7.307546	7.208625	7.220286	7.160681	7.118446	7.033269	7.005193
KIAA1614	KIAA1614	6.984953	7.120836	6.871483	7.101754	6.986128	6.981936	6.844984	6.982824	7.064618	7.09589	6.843527	7.029929
KIAA1618	KIAA1618	7.267144	7.678401	7.321242	7.977525	7.860102	8.007565	7.860102	7.778664	7.89106	7.809554	7.552158	7.947958
KIAA1622	KIAA1622	7.471483	7.805332	7.037596	7.08028	6.960008	6.963522	6.829586	6.91457	6.933989	6.911648	6.789306	6.802123
KIAA1627	KIAA1627	7.713749	8.042701	7.683085	7.921012	7.700673	8.387644	8.307215	8.233496	8.308366	8.139553	7.895881	8.106513
KIAA1632	KIAA1632	7.072702	7.377391	7.155806	7.552455	7.303971	7.53102	7.261828	7.20339	7.22401	7.156456	7.119014	7.337347
KIAA1641	KIAA1641	7.129678	7.324294	7.082168	7.570446	7.668041	7.860253	7.79996	7.6513	7.673565	7.385876	7.223991	7.120232
KIAA1644	KIAA1644	7.553541	7.341032	7.000076	7.193974	7.709501	7.401619	7.164886	7.120321	7.343154	7.102123	6.910913	6.966132
KIAA1660	KIAA1660	6.921294	7.135839	6.889995	6.987239	6.946148	7.017126	6.902473	6.920964	7.016721	6.99706	6.686004	7.010638
KIAA1666	KIAA1666	7.062232	7.114898	6.963754	7.095548	7.04068	7.025119	6.997171	7.103102	7.060624	7.154678	6.881929	6.926681
KIAA1671	KIAA1671	9.001612	9.640314	8.773263	9.80559	9.603493	9.253279	8.864099	8.813302	8.725024	8.593737	8.291235	8.230564
KIAA1679	KIAA1679	7.122382	7.286237	6.88853	7.425452	7.339118	6.947283	7.015629	6.97854	6.958673	6.927457	6.764157	6.887227
KIAA1683	KIAA1683	7.090356	7.275622	7.101458	7.519368	7.323724	7.528185	7.297815	7.148409	7.534104	7.091501	6.97255	7.023673
KIAA1688	KIAA1688	8.930248	9.078016	8.763343	9.318856	8.998516	8.691793	8.306942	8.168812	8.431885	8.083966	7.889356	7.766056
KIAA1698	KIAA1698	8.547555	8.965328	8.218658	8.606657	8.364333	8.245294	7.984618	8.026662	7.93969	8.184515	7.94784	8.070981
KIAA1704	KIAA1704	7.153186	7.357277	7.014689	7.168574	7.165983	7.30801	7.168823	7.038673	7.153452	7.05325	6.966705	6.987057
KIAA1706	KIAA1706	7.444297	7.597742	7.40471	7.698537	7.617552	7.446837	7.231568	7.257461	7.412218	7.139478	7.061729	7.052073
KIAA1712	KIAA1712	9.416122	9.334035	9.219108	9.5389	9.711495	9.330204	8.97705	8.921665	8.987851	8.790254	8.372633	8.786681
KIAA1713	KIAA1713	6.851738	6.948443	6.888318	7.793061	7.677808	7.37924	7.219375	7.183965	7.190907	7.134694	6.739096	6.921749
KIAA1715	KIAA1715	7.412093	7.589729	7.339393	8.276263	8.255074	8.391351	7.973311	8.039906	7.895846	7.998323	8.165342	8.374883
KIAA1727	KIAA1727	8.807318	9.520445	7.882685	7.788501	7.130025	7.090475	6.926099	6.950928	7.05324	7.010205	6.963015	6.9468
KIAA1729	KIAA1729	8.407249	8.3375	9.452807	9.692147	9.252282	9.440283	8.823925	8.817348	8.429422	8.546346	8.532605	8.320684

KIAA1737	KIAA1737	9.545127	9.870305	8.86909	9.171009	9.257914	10.28635	9.866433	10.03819	9.939264	10.11556	9.73807	10.04859
KIAA1751	KIAA1751	7.893684	8.48837	7.989541	8.341626	8.569049	8.381015	8.605047	8.27556	8.408327	8.346435	8.006172	8.422589
KIAA1754	KIAA1754	9.239094	9.466324	8.840229	8.81214	9.073962	10.02182	9.386916	9.444407	9.390059	9.6928	9.623642	9.707135
KIAA1754L	KIAA1754L	6.988447	7.184626	6.872723	7.055513	6.976106	7.010075	6.878747	6.960244	6.885346	6.947846	6.820585	6.888853
KIAA1755	KIAA1755	6.892232	7.137834	6.879921	7.03811	7.036206	7.04323	6.898776	6.968985	6.834035	6.951922	6.834776	6.844561
KIAA1772	KIAA1772	6.856819	6.922966	7.469274	8.170232	7.654223	7.256142	7.067727	7.256321	7.14486	7.280616	6.832911	6.804521
KIAA1787	KIAA1787	7.871147	8.064881	7.593264	7.822897	7.910702	7.866233	7.882963	7.87588	7.855256	7.882706	7.717861	7.677222
KIAA1794	KIAA1794	9.615842	10.18336	9.896387	9.759287	9.363566	8.995998	9.038487	8.507227	8.826233	8.438819	7.681172	7.400688
KIAA1797	KIAA1797	8.763146	9.329778	8.839709	9.698876	9.377339	9.497164	8.994373	9.118309	9.035811	8.927802	8.774955	8.756734
KIAA1799	KIAA1799	7.071721	7.209735	7.23851	7.395768	7.457287	7.567913	7.551142	7.509675	7.666364	7.674701	7.224378	7.36098
KIAA1804	KIAA1804	7.674087	7.619652	7.008895	7.221946	7.157052	7.110109	6.988754	7.053522	7.044048	7.0525	6.915823	6.968748
KIAA1815	KIAA1815	7.769753	8.127302	7.525825	7.758718	7.927453	8.111783	7.778244	7.634445	7.664452	7.693258	7.444077	7.701673
KIAA1817	KIAA1817	7.249086	7.428464	7.261562	7.316931	7.319153	7.4074	7.195116	7.169075	7.391027	7.373084	7.272114	7.220243
KIAA1822	KIAA1822	6.922952	7.1971	6.949453	7.088689	6.924301	6.945774	6.896192	6.964556	7.03961	6.947494	6.911351	6.924856
KIAA1822L	KIAA1822L	6.98647	7.155516	6.711286	7.072413	7.016116	7.000778	6.918124	6.992239	6.98971	7.043275	6.824684	6.807782
KIAA1826	KIAA1826	9.478273	9.649783	8.783655	9.51952	9.951283	10.68582	10.07113	10.19456	10.12911	9.999276	9.851825	9.719721
KIAA1838	KIAA1838	9.555812	9.944925	9.984367	10.48542	10.50728	11.00203	10.71313	10.75504	10.54046	10.51014	10.26688	10.07526
KIAA1840	KIAA1840	9.114611	9.608576	9.387343	9.625826	9.553477	9.726101	9.510102	9.823779	9.61113	9.490236	9.3314	9.339895
KIAA1841	KIAA1841	6.799847	6.873784	6.785288	6.909208	6.774319	6.730189	6.840241	6.865449	6.783021	6.852771	6.695704	6.778168
KIAA1843	KIAA1843	6.968114	7.078136	6.939235	7.062	7.024758	7.019809	6.884947	6.941223	6.977715	6.96835	6.895934	6.89532
KIAA1853	KIAA1853	7.100202	7.280417	6.944453	7.018704	6.948819	6.988085	6.917049	6.940819	7.227852	7.004756	6.894222	6.997631
KIAA1862	KIAA1862	7.344238	7.393375	7.250097	7.490729	7.586452	7.938114	7.583758	8.091463	7.877189	8.157791	7.845876	7.596856
KIAA1875	KIAA1875	6.964651	7.209575	7.019108	7.462571	7.370517	7.470523	7.3828	7.298937	7.258926	7.251754	6.925109	7.015293
KIAA1893	KIAA1893	7.258117	7.55823	7.009289	7.102801	6.97209	6.901929	6.790387	6.920656	7.220976	6.794671	6.766011	6.853087
KIAA1900	KIAA1900	6.922345	7.104598	6.820606	6.981675	6.964407	6.899552	6.964342	6.965662	6.973379	7.051009	6.822618	7.078572
KIAA1904	KIAA1904	7.066383	7.081653	6.876088	7.156559	7.085607	7.103669	6.899799	7.027101	7.061144	6.973038	7.104555	7.042648
KIAA1906	KIAA1906	7.332698	7.777328	7.362573	7.074885	7.002445	7.060262	7.01253	7.041255	6.913734	6.891444	6.731692	6.843539
KIAA1909	KIAA1909	7.276719	7.353014	6.840494	7.321484	7.140539	7.20936	7.039389	6.999513	6.941811	6.85626	6.691852	6.864127
KIAA1912	KIAA1912	7.015683	6.956302	7.089209	7.724552	7.281296	7.492297	8.036455	8.024625	8.078009	8.321355	8.076642	8.429584
KIAA1913	KIAA1913	9.742159	10.06022	8.684459	10.36247	10.23844	7.967947	7.581769	7.736176	8.389657	8.091181	10.18492	10.47737
KIAA1914	KIAA1914	7.410514	7.891619	8.020914	11.0733	10.5321	8.029309	7.74371	7.893329	7.581301	7.236774	6.986415	6.89327
KIAA1919	KIAA1919	6.833953	7.007381	6.895892	6.945935	6.98157	6.936687	6.806758	6.89528	6.977104	6.966253	6.833949	7.021918
KIAA1920	KIAA1920	6.867853	7.097237	6.880062	7.090946	6.965024	7.005648	6.908513	7.010935	6.985795	7.056436	6.834985	6.827135
KIAA1922	KIAA1922	6.843346	7.00029	6.775144	7.073981	6.910341	6.871484	6.843865	6.951268	6.938189	6.903891	6.795739	6.695207
KIAA1924	KIAA1924	6.806899	7.1276	6.783984	7.030676	6.84731	6.910031	6.930282	6.897569	6.932337	6.926614	6.868983	6.755213
KIAA1935	KIAA1935	8.317125	8.386452	7.740122	8.141521	8.12474	8.332506	8.188443	8.079125	8.12073	8.039755	7.610934	8.036257

KIAA1944	KIAA1944	6.916442	7.032629	6.825661	6.988702	6.964946	6.922876	6.893548	6.85346	6.72295	7.067393	6.816978	6.82188
KIAA1946	KIAA1946	7.119967	7.375756	7.075244	7.088114	7.139792	7.023311	6.947088	7.008331	6.889194	6.957356	6.837099	7.097993
KIAA1949	KIAA1949	8.50211	8.840317	8.620339	8.964585	8.452845	8.8242	8.535972	9.197672	8.983005	9.035703	10.28648	9.233557
KIAA1957	KIAA1957	7.099601	7.428011	7.108916	7.426353	7.392104	7.313113	7.258367	7.442942	7.309866	7.387927	7.175609	7.23442
KIAA1958	KIAA1958	7.822983	8.013784	7.448057	7.948699	7.62416	7.447185	7.147296	7.088267	7.178709	7.055987	6.892366	7.209798
KIAA1961	KIAA1961	7.827783	8.251196	8.078681	8.40959	8.474278	8.887414	8.195343	8.291667	8.438736	8.072964	7.829003	8.120936
KIAA1967	KIAA1967	8.528192	8.847515	8.305263	8.559463	8.348908	8.26209	8.070771	7.864	7.972247	7.955805	7.751658	7.856316
KIAA1970	KIAA1970	9.434407	9.584054	8.822636	8.922427	8.661171	8.370465	8.009768	8.105827	8.071304	7.869838	7.755271	7.610854
KIAA1975	KIAA1975	7.00478	7.124142	6.97199	7.137471	7.055987	7.106895	6.994106	7.09804	7.012725	7.133418	6.910542	6.912852
KIAA1984	KIAA1984	7.097337	7.078306	7.070367	7.92758	8.237422	7.497194	7.452235	7.230635	7.267021	7.193221	6.834348	6.921675
KIAA2002	KIAA2002	6.951821	7.093749	6.942079	7.158457	7.048494	7.138323	6.976739	7.043988	7.078429	6.983019	6.813979	7.008545
KIAA2010	KIAA2010	8.777952	9.07192	8.630201	8.881273	8.513567	8.902546	8.250002	8.445927	8.076409	8.206618	8.11802	8.428648
KIAA2013	KIAA2013	8.731935	8.940342	8.487628	8.641367	8.795449	9.177127	8.705021	8.953151	8.626489	8.944284	9.134597	8.947125
KIAA2018	KIAA2018	6.918516	7.015583	6.804538	7.02311	6.907677	7.041945	6.84018	6.892721	6.910261	6.7686	6.720129	6.837748
KIAA2022	KIAA2022	6.895872	7.036325	6.78861	7.020402	6.957263	6.832056	6.766335	6.778658	7.011642	6.786827	6.637573	6.695716
KIAA2026	KIAA2026	7.794024	8.058837	8.334779	8.567758	8.443171	8.553817	8.079903	8.268987	8.214156	8.243977	7.900295	8.168007
KIDINS22C	KIDINS22C	9.533188	9.854357	9.958086	10.41496	10.5277	11.34772	10.71421	10.92303	10.86206	10.30108	10.48812	10.19934
KIF11	KIF11	9.902074	10.08088	9.632792	9.739416	9.445785	8.844113	8.528613	8.495813	8.327039	8.119008	7.834906	7.45345
KIF12	KIF12	6.841593	7.142364	6.883521	7.191745	6.991148	6.995532	6.817262	6.901904	6.935092	6.962659	6.750547	6.736111
KIF13A	KIF13A	7.082157	7.281938	6.863901	7.213208	6.991663	7.303326	6.974077	7.216332	6.950242	7.147186	6.912358	7.044754
KIF13B	KIF13B	8.053736	8.190355	7.606461	8.497647	8.666361	8.31628	8.261083	8.146626	7.989489	8.114505	8.23498	7.759071
KIF14	KIF14	9.289128	9.443444	9.240019	9.153293	8.77145	9.016037	8.451887	8.160932	8.045089	7.887528	7.540696	7.235986
KIF15	KIF15	10.05995	10.13325	9.883548	9.755106	9.628821	8.378283	8.242709	7.968736	8.328652	7.847382	7.285152	7.236238
KIF17	KIF17	7.106048	7.239853	6.89015	7.033613	7.025457	7.118241	6.878575	6.95627	6.843321	6.848262	6.698651	6.756781
KIF18A	KIF18A	7.623853	8.091	7.696249	8.021498	7.686616	7.866732	7.637909	7.721362	7.525595	7.485482	7.140216	6.997397
KIF19	KIF19	6.795324	6.992625	6.881396	7.053545	6.837643	6.845341	6.790283	6.887987	6.807854	6.872913	6.636653	6.708668
KIF1A	KIF1A	12.33723	12.7425	10.28574	9.722475	8.40896	9.296032	9.480176	9.723552	10.39087	10.04233	9.792852	9.922578
KIF1B	KIF1B	10.09354	9.951427	9.266763	9.428578	9.216008	9.789786	9.303349	9.22451	9.527034	9.164944	8.758418	9.346991
KIF1C	KIF1C	7.40126	7.759297	7.201421	7.548232	7.431305	8.057062	7.949769	7.788098	7.993269	8.273397	8.163731	8.329554
KIF2	KIF2	9.798094	10.51646	10.01843	10.17619	9.548061	9.395021	8.803054	8.966787	8.814473	8.695436	8.793605	8.639033
KIF20A	KIF20A	10.19165	10.6269	10.75722	10.50899	10.06758	10.22335	9.807763	10.04982	9.74542	9.698494	9.065331	7.808192
KIF21A	KIF21A	8.718794	9.618629	8.18805	8.824253	8.757696	8.940229	9.035298	8.80396	9.000061	8.826044	8.042333	8.636644
KIF21B	KIF21B	7.242865	7.176139	6.939282	7.09743	6.956748	7.024429	6.871075	6.991016	7.089107	7.014978	6.763896	6.863961
KIF22	KIF22	8.924083	9.255937	8.646547	8.880441	8.469879	8.357064	8.054444	7.962676	7.979771	8.024759	7.660682	7.703504
KIF23	KIF23	8.845683	9.39553	8.794689	9.111737	8.551001	8.920637	8.265947	8.384329	8.175185	8.137289	7.55093	7.368288
KIF24	KIF24	7.159579	7.301957	7.117906	7.255486	7.310447	7.223402	7.066252	7.184588	7.04521	7.06911	6.960996	7.016959

KIF25	KIF25	7.148782	7.341769	7.117786	7.254827	7.230324	7.258227	7.110296	7.136495	7.159869	7.216964	6.999578	7.063958
KIF26B	KIF26B	6.717531	7.049494	7.100025	8.473585	8.312441	9.562787	8.792144	8.767102	8.567312	8.811499	8.617664	8.806369
KIF27	KIF27	7.022233	7.202173	7.033803	7.11614	7.053967	7.075673	6.93537	6.958142	6.973022	6.950043	6.808584	6.909846
KIF2B	KIF2B	6.915958	7.039063	6.81787	7.009297	6.909029	6.981195	6.906495	6.841218	7.000946	6.92444	6.798573	6.82246
KIF2C	KIF2C	9.847906	9.965183	9.73518	9.591741	9.099001	9.229203	8.631558	8.443542	8.484288	8.300815	7.652357	7.207647
KIF3A	KIF3A	6.929319	7.186208	6.868804	7.22022	7.0883	7.021352	6.962757	6.920913	7.027715	6.904201	6.868768	6.898686
KIF3B	KIF3B	8.790432	8.926254	8.884566	9.318662	9.114367	9.336569	8.846216	8.982733	9.014937	8.933917	9.144822	8.789746
KIF3C	KIF3C	8.651589	8.569124	8.117028	8.145124	7.678967	7.495396	7.258555	7.373463	7.820151	7.124366	7.401737	7.220175
KIF4A	KIF4A	8.736514	9.380257	9.016566	9.112075	8.359897	8.330827	7.85087	7.781652	7.648491	7.611615	7.33935	6.989053
KIF5A	KIF5A	7.022559	7.161158	6.893115	7.126063	7.036979	7.113141	6.975754	6.986795	7.006714	6.994649	6.88382	6.831166
KIF5B	KIF5B	8.528773	8.991346	8.908411	9.319108	9.390619	10.15479	9.109215	9.800862	9.296065	9.505084	9.944346	9.490498
KIF5C	KIF5C	10.09711	10.93059	9.806137	9.375745	8.592909	8.409964	7.864417	7.758307	9.126571	7.296567	7.181017	7.282478
KIF6	KIF6	7.31749	7.502433	7.254094	7.496611	7.443456	7.61519	7.358896	7.414283	7.323543	7.359471	7.170724	7.369049
KIF7	KIF7	8.03335	8.017554	8.110905	8.278472	7.890805	7.577279	7.56731	7.541042	7.54921	7.537882	7.357996	7.4861
KIF9	KIF9	6.856013	7.017808	6.831831	6.989475	6.915473	6.978687	6.867929	6.971711	6.847597	6.945725	6.793847	6.868562
KIFAP3	KIFAP3	7.638004	8.727284	9.115674	11.81236	11.00153	11.58296	11.6521	11.9696	11.63738	11.95832	11.86744	11.76711
KIFC1	KIFC1	9.873803	10.30755	9.71192	9.555861	9.29881	9.111527	8.74959	8.798238	8.602257	8.407673	8.042012	7.537615
KIFC2	KIFC2	7.434393	7.858601	7.559657	7.959225	7.824315	7.983327	7.776043	7.683765	7.789216	7.759857	7.626625	7.5623
KIFC3	KIFC3	7.099611	7.108587	6.862633	7.185423	7.091109	7.072602	6.978051	7.120845	7.106179	6.973796	6.928349	6.970916
KIN	KIN	7.098479	7.216935	7.007717	7.244195	7.111922	7.254893	7.119547	7.070579	7.108167	7.054123	6.932542	6.887001
KIR2DL1	KIR2DL1	6.963574	7.054452	6.856245	7.016597	6.885032	6.849886	6.850416	6.882175	6.86424	6.863428	6.756345	6.854806
KIR2DL2	KIR2DL2	6.77834	6.992602	6.766331	7.041936	6.872436	6.799486	6.779776	6.908096	6.869365	6.928918	6.77298	6.809461
KIR2DL3	KIR2DL3	6.830369	6.915897	6.728066	7.021116	6.865342	6.924641	6.836737	6.900574	6.855522	6.85277	6.772618	6.832184
KIR2DL4	KIR2DL4	6.868161	7.100836	6.864748	7.010929	6.947168	6.992037	6.918513	6.970448	6.894857	6.990153	6.760662	6.878966
KIR2DL5A	KIR2DL5A	6.886067	7.049601	6.79271	7.021305	6.934289	6.967482	6.848865	6.912064	6.869699	6.916014	6.816926	6.825256
KIR2DL5B	KIR2DL5B	6.779474	6.946369	6.759025	6.91526	6.850317	6.754387	6.732051	6.852738	6.815566	6.834484	6.718628	6.745746
KIR2DS1	KIR2DS1	6.908611	6.996539	6.875454	6.927991	6.9225	6.976748	6.919032	6.913121	6.845612	6.944656	6.74399	6.849828
KIR2DS2	KIR2DS2	7.018741	7.128284	6.837107	7.144451	6.912402	7.008071	6.982246	6.999048	6.905182	6.998476	6.881803	6.8398
KIR2DS3	KIR2DS3	6.838639	7.026207	6.740405	7.02728	6.956704	6.957873	6.945999	6.986103	6.973057	7.019266	6.764259	6.783798
KIR2DS4	KIR2DS4	6.976029	7.310754	7.005399	7.10975	7.086467	7.140319	7.029137	6.963416	7.000385	7.045713	6.754738	6.879141
KIR2DS5	KIR2DS5	6.824767	7.06349	6.809197	7.03908	6.892408	6.880807	6.932413	6.962852	6.84153	7.081392	6.83054	6.870627
KIR3DL1	KIR3DL1	6.934755	7.088597	6.934048	7.075098	6.944546	6.945109	6.867389	6.957783	6.913884	6.954794	6.762993	6.977762
KIR3DL2	KIR3DL2	6.98142	7.051362	6.770364	7.070486	6.859636	7.030273	6.813757	6.831154	6.811291	6.778903	6.729071	6.845934
KIR3DL3	KIR3DL3	6.878407	7.132737	6.803506	6.967542	6.941314	7.020934	6.922919	6.973021	6.893502	6.949567	6.890337	6.840299
KIR3DP1	KIR3DP1	6.94143	7.180018	6.797608	7.138372	6.960666	7.144204	6.913771	6.99565	6.928159	6.923356	6.768232	6.907978
KIRREL	KIRREL	6.906817	7.275481	6.851267	7.232354	7.094693	7.140787	6.995247	7.008504	7.044913	6.830859	6.85067	6.863849

KIRREL2	KIRREL2	7.043721	7.090415	6.835271	7.03332	6.944051	6.925333	6.856265	6.877997	6.913294	6.971352	6.81468	6.845564
KIRREL3	KIRREL3	6.899104	7.038694	6.77561	6.989592	6.889024	6.924957	6.8066	6.860084	6.806095	6.896455	6.853184	6.82745
KISS1	KISS1	6.92339	7.072729	6.734796	7.114444	7.187646	7.180755	7.18565	7.144051	7.06732	7.036025	6.798693	6.890986
KISS1R	KISS1R	8.204891	8.663898	7.225519	7.697796	7.73911	6.96912	6.902251	6.90767	6.913723	6.901007	6.879151	7.721134
KIT	KIT	9.255028	8.806645	9.837413	8.386929	7.845419	7.229502	7.151831	7.174136	7.469501	7.346315	7.142204	7.015288
KITLG	KITLG	7.175062	7.331163	7.450098	8.235131	7.796939	8.04781	7.496082	7.521147	7.430212	7.24239	7.510068	7.185349
KL	KL	7.001745	7.415238	7.065247	7.11465	6.995205	7.255195	7.085957	7.122664	7.105302	7.153132	6.863056	6.999596
KLB	KLB	7.055076	7.311597	6.837006	7.135111	7.00829	7.027722	6.948157	7.128209	7.060399	6.969293	6.930449	6.947412
KLC2	KLC2	7.079232	7.195724	6.965469	7.209565	7.124302	7.168864	7.043349	7.15289	7.038839	7.128588	7.063692	7.031792
KLC3	KLC3	6.984907	7.121165	6.833614	7.114871	7.009848	7.042581	6.951482	7.026404	6.946457	6.947864	6.845781	6.924896
KLC4	KLC4	7.025514	7.174387	6.939955	7.1698	7.048997	7.268583	7.048256	7.070903	7.019577	7.050088	6.951204	6.981978
KLF1	KLF1	6.96487	7.135208	6.961055	7.30661	7.058613	7.122346	6.993205	6.987579	7.099882	7.17355	6.86959	6.903256
KLF10	KLF10	7.37037	7.550252	7.510692	7.476886	7.416186	8.175276	7.192834	7.304083	7.244431	7.413258	7.536294	7.379046
KLF11	KLF11	8.320572	8.327324	8.590933	8.615226	8.388199	9.485565	8.552263	8.464034	8.100524	8.114096	7.628284	7.58765
KLF12	KLF12	7.218427	7.681386	7.655319	8.188945	7.830001	7.692311	7.515689	7.655923	7.661325	7.583156	7.503378	7.746327
KLF13	KLF13	9.230358	9.154752	8.660581	9.551103	9.065564	10.04192	9.652674	9.887378	9.467818	9.461484	9.255894	9.196822
KLF14	KLF14	6.79758	7.24278	6.842403	6.982164	6.909227	7.136563	6.754647	6.943203	6.854527	6.881678	6.711574	6.794136
KLF15	KLF15	7.752916	7.992518	7.55535	7.81428	7.468264	7.684529	7.461048	7.550771	7.602689	7.498498	7.12733	7.594478
KLF16	KLF16	6.946532	7.001279	6.862628	7.035803	6.915497	6.975622	6.975734	6.839917	6.77586	6.878606	6.831971	6.811663
KLF17	KLF17	6.94802	7.067201	6.904336	7.020361	6.877893	7.131156	6.929869	6.977282	6.889977	6.906529	6.731495	6.830682
KLF2	KLF2	7.287774	7.524941	7.8554	9.047718	8.834383	10.33181	9.881549	9.967025	10.45276	10.23874	10.97227	10.44014
KLF3	KLF3	6.964234	7.232966	6.997299	7.085447	7.048924	7.112266	6.990161	7.01902	7.028147	7.044106	6.931654	6.934344
KLF4	KLF4	7.211538	7.732982	6.993615	7.191125	7.048779	7.511838	6.935114	7.006949	7.221598	7.193979	7.588251	7.31714
KLF5	KLF5	6.98256	7.182858	7.196901	7.409673	7.046439	7.184395	6.79096	6.912432	6.957791	6.942772	7.107201	7.006702
KLF6	KLF6	8.746793	9.501428	9.3597	9.568462	9.193117	9.970786	9.305627	9.46729	9.452223	9.373457	10.28478	9.642103
KLF7	KLF7	6.999308	7.105255	6.923383	7.036221	6.987722	7.097553	6.964195	6.964227	7.015695	7.08233	6.89004	6.890546
KLF8	KLF8	7.431471	7.600274	7.385612	7.512045	7.370762	7.547068	7.385509	7.347383	7.395683	7.422554	7.349612	7.293438
KLF9	KLF9	7.263626	7.501566	6.934045	7.414334	8.313944	9.562409	9.567785	10.13934	9.638724	10.25193	10.28769	10.4697
KLHDC1	KLHDC1	6.912513	7.017316	6.752939	6.950447	7.006415	7.00276	6.875988	7.030336	6.912733	7.011949	6.844886	6.848737
KLHDC2	KLHDC2	10.73358	11.40625	11.03175	11.36549	11.2084	12.21418	12.00504	11.70091	12.08081	12.00747	11.10872	11.7723
KLHDC3	KLHDC3	11.98618	12.2884	11.42736	11.61721	11.69975	12.55792	12.37118	11.86644	12.00913	12.07006	11.0771	11.59869
KLHDC4	KLHDC4	8.683145	8.976028	7.961642	7.912446	8.006208	8.644693	8.241707	8.188607	8.131607	8.007545	7.692582	8.024035
KLHDC5	KLHDC5	9.273622	9.781088	9.05191	9.379753	9.585731	10.08845	9.806938	9.918889	9.971457	9.917242	10.29039	10.11619
KLHDC6	KLHDC6	6.852997	6.951787	6.769321	7.064198	6.893357	6.857239	6.772996	6.928648	6.818771	6.870175	6.834998	6.876015
KLHDC7A	KLHDC7A	6.935625	7.072111	6.786172	6.988665	6.959554	6.975522	6.979469	6.941222	6.977963	7.058075	6.768975	6.880374
KLHDC7B	KLHDC7B	6.808452	7.002961	6.685121	6.981733	6.911967	6.945619	6.787192	6.874153	6.864667	6.811079	6.717493	6.696387

KLHDC8A	KLHDC8A	6.881189	7.135074	6.946772	7.141282	6.983678	7.089721	6.918806	7.057092	7.006698	6.908917	6.890904	6.913449
KLHDC8B	KLHDC8B	8.568391	8.805799	9.117974	9.969317	10.67826	11.7064	11.71282	11.9111	11.67761	11.77771	11.53894	11.38866
KLHL1	KLHL1	6.856552	7.013937	6.838299	6.965542	7.006606	7.038975	6.815319	6.969447	6.921127	6.898318	6.756311	6.825617
KLHL10	KLHL10	6.874495	7.046019	6.696077	7.116973	6.888668	6.930787	6.803183	6.809986	6.84515	6.93325	6.698433	6.85387
KLHL11	KLHL11	7.094152	7.202765	6.941906	7.106093	7.098623	7.366382	7.159681	7.247747	7.073784	7.174908	6.905798	7.044974
KLHL12	KLHL12	9.851364	10.35011	9.778297	9.627051	9.402859	10.19416	9.729102	9.714762	9.744909	9.545196	9.330272	9.550028
KLHL13	KLHL13	8.196555	8.244526	7.370862	7.858368	7.444402	8.794406	9.291838	9.387893	9.408173	9.363608	8.178256	8.038782
KLHL14	KLHL14	6.935245	7.368367	7.59164	7.244026	7.159134	7.057115	6.901827	6.960492	6.910411	6.890575	6.792849	6.802357
KLHL15	KLHL15	6.921318	7.068399	6.878451	7.078158	6.990432	7.278284	6.829083	7.00144	6.866368	6.815594	6.764348	6.84891
KLHL17	KLHL17	7.509483	7.577313	7.304255	7.620745	7.420681	7.358084	7.162354	7.215237	7.185638	7.236759	7.216843	7.053527
KLHL18	KLHL18	7.854	8.211573	7.582572	7.729695	7.624312	7.633615	7.498615	7.672176	7.474328	7.649595	7.554594	7.376672
KLHL2	KLHL2	7.759806	8.099371	7.602631	8.15882	8.251947	9.200784	8.91075	8.61099	8.184793	8.111426	8.063384	8.101464
KLHL20	KLHL20	7.83975	8.139601	7.863688	8.315429	8.482813	8.946188	9.148827	9.593848	9.337714	9.394333	9.414039	9.189066
KLHL21	KLHL21	7.67425	7.904167	7.385431	7.835723	7.871332	8.821112	8.114455	8.387069	8.157081	8.341186	8.081141	8.19861
KLHL22	KLHL22	8.86221	8.892628	8.915477	10.06819	10.40398	10.7631	10.56393	10.30316	10.59048	10.45368	9.615533	10.37593
KLHL23	KLHL23	8.817762	9.002014	8.396634	8.932035	8.353617	9.362161	8.609289	8.624528	8.547841	8.639712	7.960195	8.037529
KLHL24	KLHL24	8.95264	9.085336	9.130921	9.64299	10.03206	11.16205	10.57785	10.51355	10.48348	10.63083	10.05067	10.78259
KLHL25	KLHL25	7.147209	7.44497	6.984103	7.329493	7.084849	7.106635	7.111234	7.152868	7.05706	7.195653	7.127578	7.14524
KLHL26	KLHL26	7.429602	7.549859	7.079981	7.564023	7.37071	7.400957	7.223209	7.422691	7.414813	7.445902	7.346106	7.277324
KLHL3	KLHL3	9.643076	9.593945	8.556533	9.164933	9.271155	10.06646	10.01605	10.23358	9.606448	9.829216	9.140803	9.035146
KLHL4	KLHL4	7.953636	9.433226	8.793373	8.67634	7.781847	8.766876	8.229958	8.642411	8.162662	8.171818	8.090996	7.864152
KLHL5	KLHL5	8.688886	9.084657	8.952105	9.58482	9.337242	9.038887	8.595872	8.852248	8.546275	8.412747	9.104525	8.60997
KLHL6	KLHL6	6.88887	6.992705	6.862895	7.038472	6.927122	6.905847	6.891583	6.974558	6.890311	6.953749	6.757873	6.791989
KLHL7	KLHL7	9.007694	9.010137	8.204369	8.653931	8.596319	9.057974	8.740551	8.608555	8.755327	8.627384	8.604466	8.736828
KLHL8	KLHL8	8.158684	8.258714	7.979539	8.612919	8.743887	8.696872	8.237564	8.359473	8.50374	8.46316	8.297273	8.407704
KLHL9	KLHL9	9.592977	10.25267	10.05657	10.70662	10.75145	11.1489	10.31596	10.33674	10.49661	10.04926	10.06855	9.99072
KLK1	KLK1	7.228092	7.219412	6.991693	7.100254	6.96121	7.245465	7.178321	7.12996	7.03191	7.177464	6.990446	7.07043
KLK10	KLK10	7.021651	7.074141	6.880159	7.019733	6.911706	6.978937	6.90528	6.983685	6.89355	7.049286	6.837953	6.765635
KLK11	KLK11	7.04181	7.101546	6.950707	7.162391	7.052875	7.06191	6.91086	7.040431	7.00818	6.946665	6.900451	6.938426
KLK12	KLK12	6.84049	7.081871	6.853486	7.087598	6.96498	7.005852	6.926035	6.921009	6.941454	6.923808	6.842945	6.870968
KLK13	KLK13	6.876043	7.194651	6.748721	7.054616	6.872227	6.878354	6.742032	6.819925	6.887537	6.879461	6.736167	6.81564
KLK14	KLK14	6.971632	6.99455	6.85954	7.089536	6.949482	6.836772	6.890447	6.993718	6.928319	6.949876	6.797691	6.922369
KLK15	KLK15	6.897743	7.062703	6.843405	6.992977	6.94085	6.994973	6.901179	6.93307	6.879259	6.954673	6.81551	6.835408
KLK2	KLK2	6.967055	7.212873	6.922785	7.149011	7.018302	7.029076	7.0286	7.051472	7.009762	7.030801	6.934573	6.951272
KLK3	KLK3	6.833783	7.039162	6.83354	7.137255	7.004085	6.920327	6.848007	6.933713	6.904043	6.97409	6.927455	6.907945
KLK4	KLK4	6.95614	7.092442	6.795297	6.966972	6.966245	6.9242	6.79145	6.943745	6.832493	6.840768	6.684	6.889783

KLK5	KLK5	6.865255	7.020446	6.774667	6.938489	6.904973	6.882704	6.823687	6.983483	7.014148	6.91409	6.7521	6.756726
KLK6	KLK6	6.978001	7.637355	7.108306	7.692659	8.347857	7.011454	6.768793	6.992658	6.91834	6.815826	6.737233	6.852411
KLK7	KLK7	7.061908	7.223943	7.047395	7.099736	7.086326	7.271818	6.961599	7.016776	6.939657	7.094651	6.844883	6.886827
KLK8	KLK8	6.940956	7.124879	6.869183	7.104909	6.896058	6.983361	6.872577	6.995605	6.992045	6.9317	6.734252	6.824602
KLK9	KLK9	6.801194	6.974308	6.723401	6.884755	6.921916	6.855776	6.938628	6.84937	6.835231	6.822841	6.867946	6.780574
KLKB1	KLKB1	9.687114	9.533702	8.326549	7.184906	7.044219	7.222844	7.057034	7.051529	7.042904	7.120277	6.830952	6.957684
KLKBL4	KLKBL4	6.796634	6.997286	6.69386	7.027058	6.85168	6.970171	6.789088	6.898905	6.846609	6.957778	6.754834	6.806188
KLKP1	KLKP1	6.816148	6.971	6.799809	6.955149	6.971704	6.987117	6.899077	6.925179	6.836943	6.921089	6.82574	6.925411
KLP1	KLP1	8.682692	9.011074	8.298624	8.95603	9.020648	9.570964	9.37301	9.131772	9.110222	9.120606	9.029944	8.686843
KLRA1	KLRA1	7.127836	7.459444	7.182555	7.434284	7.380124	7.132595	7.172022	7.18758	7.065304	7.095627	6.818056	6.950877
KLRB1	KLRB1	6.775507	6.959703	6.739613	7.058711	6.961071	6.975534	6.811808	6.891986	6.977884	6.880198	6.792288	6.725104
KLRC1	KLRC1	6.874349	7.106135	6.736833	6.986166	6.920415	6.85134	6.784873	6.905524	6.874843	6.850974	6.761769	6.799738
KLRC2	KLRC2	6.843376	7.102525	6.705846	6.960561	6.947758	6.923297	6.909553	6.862623	6.847198	6.970845	6.801386	6.798636
KLRC3	KLRC3	6.854472	7.019229	6.772775	7.030997	6.931749	6.884411	6.778911	6.838484	6.817017	6.980983	6.748644	6.880081
KLRC4	KLRC4	6.945981	7.202442	6.97524	7.075822	7.025373	7.093117	6.997609	7.044307	6.92792	7.175975	6.89417	6.94801
KLRD1	KLRD1	6.865551	7.027027	6.760405	7.006931	6.926105	6.888906	6.837251	6.979189	6.862975	6.93875	6.780826	6.832831
KLRF1	KLRF1	6.874909	7.091427	6.891976	7.000177	6.875399	6.958655	6.911167	6.874059	6.933035	7.018035	6.879678	6.956023
KLRG1	KLRG1	7.506207	7.791424	7.098787	7.341497	7.387484	7.977203	7.646871	7.662299	7.600792	7.59962	7.348198	7.394113
KLRG2	KLRG2	7.688443	7.798896	7.386284	7.422695	7.224715	7.46255	7.201923	7.313383	7.211828	7.366585	6.940499	7.109523
KLRK1	KLRK1	7.122027	7.278048	6.955962	7.223414	7.09017	7.314863	7.007808	7.05656	7.022054	7.159738	6.887978	7.044854
KMO	KMO	6.961217	7.044878	6.816133	7.139618	6.884769	7.069636	6.837026	6.815489	6.819324	6.873466	6.791073	6.779048
KNDC1	KNDC1	7.091329	7.331909	6.952239	7.162417	7.246344	7.192158	7.12232	7.079232	7.068766	7.085921	6.838201	6.956749
KNG1	KNG1	6.825311	7.067042	6.77086	6.961712	6.916227	6.923999	6.776009	7.005035	6.81211	6.922641	6.780062	6.818871
KNS2	KNS2	9.713821	9.943958	9.377762	9.874487	9.50017	10.19661	9.683607	9.973057	10.18803	9.97899	10.0628	10.16591
KNTC1	KNTC1	10.28654	10.68156	10.25094	10.41246	9.638596	9.165533	8.766776	8.821359	8.510822	8.558944	8.101328	7.647293
KNTC2	KNTC2	9.143032	9.990922	9.112618	9.202978	8.979303	9.332905	8.923528	8.763159	8.73307	8.530868	7.949084	7.320074
KPNA1	KPNA1	8.578507	9.143131	8.886235	9.332942	9.174052	9.763149	8.993466	8.941713	8.812609	8.82165	8.925432	8.966636
KPNA2	KPNA2	9.441555	10.1717	9.064571	9.086233	8.797963	8.706864	8.996248	8.220046	8.739661	8.293409	7.917343	7.719904
KPNA3	KPNA3	9.762913	10.23939	9.771857	9.955627	9.845257	9.938961	9.600865	9.416541	9.504607	9.4808	9.415476	9.563601
KPNA4	KPNA4	10.90229	11.42564	10.88084	11.18113	10.74823	11.3927	10.65131	10.85332	10.63427	10.93014	11.01481	10.88006
KPNA5	KPNA5	7.375553	7.55344	7.419856	7.57695	7.460558	8.023696	7.578426	7.486611	7.601202	7.507475	7.528113	7.429513
KPNA6	KPNA6	10.65849	10.73445	10.39446	10.52151	10.40226	10.63448	10.38533	10.58633	10.39764	10.58084	10.48086	10.21588
KPNB1	KPNB1	13.2235	13.76048	12.95472	12.81173	12.64668	12.73356	12.13244	12.0652	12.07622	11.84682	12.07424	11.38759
KPTN	KPTN	7.281945	7.400993	7.025664	7.296867	7.059545	7.311503	6.979464	7.10161	7.073951	7.023637	6.916015	6.950715
KRAS	KRAS	8.890448	9.03263	8.513803	8.906469	8.238167	8.510329	8.123453	8.128842	8.072846	8.058938	8.021727	8.032458
KRCC1	KRCC1	8.159726	8.787426	8.358405	8.786914	8.964901	9.738235	9.601751	9.510732	9.893488	9.609391	9.0242	9.340551

KREMEN1	KREMEN1	7.173409	7.387824	7.134722	7.36688	7.194052	7.370549	7.297589	7.304784	7.344187	7.327434	7.183519	7.409901
KREMEN2	KREMEN2	7.362764	7.817154	7.151059	7.190309	7.160436	7.106116	6.967013	7.047807	7.408314	7.188923	6.81157	6.865129
KRIT1	KRIT1	7.938648	8.327018	7.988397	8.363402	8.214972	8.41521	8.067792	8.124369	7.964785	8.047813	7.748382	7.947776
KRT1	KRT1	6.725605	6.929328	6.676953	7.046879	6.85061	6.857259	6.858713	6.895188	6.889405	6.867034	6.813478	6.782426
KRT10	KRT10	10.03623	10.7161	10.09724	10.47724	10.83552	11.46674	11.06005	10.98101	11.2975	11.39159	11.59893	10.87332
KRT12	KRT12	6.923002	7.117126	6.880979	6.959353	7.015148	7.136401	6.934874	7.012474	6.887639	6.997086	6.789506	6.76132
KRT13	KRT13	6.818128	7.106212	6.819035	6.894381	6.863651	7.004149	6.850077	6.974266	7.586245	6.817178	6.777137	6.839708
KRT14	KRT14	6.816909	6.921075	6.78421	6.830061	6.839165	6.956966	6.764147	6.849284	6.746483	6.939282	6.738431	6.733048
KRT15	KRT15	6.943268	7.136927	6.949025	7.032106	6.897698	7.064696	6.979036	7.059351	8.225369	6.988498	6.957725	6.87815
KRT16	KRT16	7.0814	7.344477	6.963643	7.188183	7.149816	7.246055	7.057897	7.152765	7.033582	7.20598	6.991131	7.066914
KRT17	KRT17	7.005749	7.207018	7.264779	7.157827	7.20355	7.121222	6.989259	7.022907	7.908051	7.198072	6.935211	6.944605
KRT18	KRT18	10.68352	11.33852	11.99459	12.85814	12.33264	11.90786	11.18109	11.80586	11.35218	11.60706	12.05778	10.96949
KRT19	KRT19	10.66341	10.99992	11.80309	13.22814	12.5642	11.17904	9.579233	9.33806	9.437123	7.851916	8.317471	7.609894
KRT1B	KRT1B	6.962595	7.007202	6.741709	6.971788	6.802222	6.938143	6.71476	6.95164	6.873068	6.824951	6.656191	6.69415
KRT20	KRT20	6.906696	7.17	6.843907	7.105977	6.957403	6.999498	6.914829	6.976662	6.897319	6.987989	6.738461	6.909427
KRT23	KRT23	7.269744	7.352522	7.108545	7.347006	7.203689	7.268022	7.172912	7.083843	7.157304	7.115907	7.104615	7.158676
KRT24	KRT24	7.094148	7.348993	7.048858	7.167099	7.553002	7.193556	7.053032	7.094985	7.084704	7.093048	7.10113	7.053711
KRT25A	KRT25A	6.904462	7.115265	6.750904	7.088899	7.031761	6.970214	6.931097	6.958637	7.000547	7.087329	6.758869	6.792711
KRT25C	KRT25C	6.889496	7.044687	6.776362	7.047542	6.920797	6.953491	6.859926	6.920695	6.957482	6.988641	6.702114	6.771959
KRT25D	KRT25D	6.729552	6.946794	6.68843	6.936166	6.920858	6.820818	6.758183	6.773503	6.797777	6.839949	6.606923	6.663646
KRT26	KRT26	6.890507	7.015268	6.814092	6.917028	6.894474	6.965462	6.932372	6.94874	6.81941	6.891189	6.83502	6.823601
KRT2A	KRT2A	6.768207	7.003397	6.771869	7.026402	6.791459	6.872148	6.731609	6.8324	6.754859	6.855822	6.675134	6.710463
KRT2B	KRT2B	6.867804	6.959868	6.796668	7.107874	6.823143	6.96699	6.919061	6.948719	6.847733	6.92411	6.79367	6.772714
KRT3	KRT3	6.965755	7.135952	6.924956	7.234988	7.027234	7.187636	7.078028	7.101695	7.188253	7.103918	6.989622	7.06834
KRT33A	KRT33A	6.897932	7.021788	6.850054	6.989345	6.906268	6.919824	6.848506	6.921369	6.883402	6.929049	6.786334	6.794034
KRT39	KRT39	6.638147	6.991203	6.654799	6.923373	6.877988	6.864966	6.834797	6.874186	6.751391	6.816221	6.652824	6.765765
KRT4	KRT4	6.843561	7.033902	6.686171	7.227988	6.840813	6.902203	6.879787	6.955782	7.219381	6.83645	6.74247	6.829899
KRT40	KRT40	6.888505	6.972539	6.703716	6.791733	6.739839	6.841933	6.820209	6.916255	6.790075	6.815729	6.791006	6.585083
KRT5	KRT5	6.90465	6.997019	6.748479	7.00277	6.827106	6.925694	6.87287	6.814318	6.887913	6.805246	6.737925	6.825492
KRT6A	KRT6A	6.956472	7.18809	6.902707	7.06891	7.001246	6.983268	6.94499	7.002515	6.866258	7.019951	6.777321	6.921016
KRT6B	KRT6B	6.886549	6.950841	6.753335	6.939268	6.86063	6.980313	6.885108	6.865765	6.817667	6.8038	6.751522	6.785021
KRT6C	KRT6C	6.930255	7.127993	6.837587	7.083549	6.939176	7.056562	7.009155	7.035604	7.092422	7.013518	6.924091	6.92792
KRT6E	KRT6E	6.815879	7.106502	6.754356	6.985967	6.820509	6.826222	6.876366	6.93206	6.833075	7.055355	6.728149	6.856853
KRT6IRS	KRT6IRS	6.848978	7.049446	6.863924	7.069238	6.894267	7.053268	6.868877	6.96922	6.945283	6.923922	6.880934	6.92184
KRT6L	KRT6L	6.813987	7.050369	6.774632	7.001172	6.972138	6.958913	6.819984	6.845703	6.881648	7.003052	6.828574	6.783135
KRT7	KRT7	7.062674	7.253649	6.972617	7.288927	7.130398	6.872072	6.873943	6.876329	6.863346	6.898283	7.071689	6.909814

KRT8	KRT8	8.93089	9.965779	11.16781	12.42996	11.66644	11.36784	10.67036	11.18443	10.68364	10.98932	11.7095	10.43276
KRT86	KRT86	6.929743	7.034509	6.752418	7.022187	6.954574	7.091691	7.075702	7.031545	7.091931	7.478102	7.014064	7.509368
KRT9	KRT9	7.208397	7.476334	7.217633	7.274369	7.359829	7.471208	7.296986	7.207471	7.279771	7.303715	7.066837	7.303889
KRTAP10-	KRTAP10-	6.769634	6.991272	6.725026	6.95972	6.927066	6.947723	6.763992	6.884307	6.744334	6.87381	6.780991	6.775417
KRTAP10-	KRTAP10-	6.886803	7.04674	6.873447	7.065302	6.958646	7.091439	6.932243	7.030041	6.93595	6.942894	6.772925	6.864636
KRTAP10-	KRTAP10-	7.150207	7.149658	7.020594	7.266611	7.044869	7.303804	7.201977	7.230873	7.076129	7.204914	7.168643	7.171243
KRTAP10-	KRTAP10-	6.739918	7.041482	6.734542	6.866794	6.843	6.788395	6.805749	6.913657	6.758527	6.903157	6.722736	6.838204
KRTAP10-	KRTAP10-	6.880087	7.185662	6.772284	7.090612	6.88965	7.035299	6.902053	7.035331	6.966508	6.947698	6.93805	6.911945
KRTAP10-	KRTAP10-	6.783382	7.032142	6.825967	6.843524	6.966316	6.859688	6.810204	6.900354	6.828173	6.776718	6.736479	6.779348
KRTAP10-	KRTAP10-	6.863074	7.045336	6.821707	6.975301	6.912342	6.997843	6.923373	6.903295	6.801491	6.954574	6.787045	6.856538
KRTAP10-	KRTAP10-	6.989704	7.146943	6.892519	7.049228	7.076518	7.200442	6.947268	6.916784	7.028692	7.069848	6.765564	6.827026
KRTAP10-	KRTAP10-	6.87518	7.232329	6.917465	7.127859	6.973095	7.088581	6.992169	7.034877	7.024297	7.037521	6.781891	6.968301
KRTAP10-	KRTAP10-	6.827771	6.952	6.849201	6.977768	6.88124	6.97552	6.882892	6.882981	6.800805	6.775411	6.764203	6.744891
KRTAP10-	KRTAP10-	6.823277	7.055485	6.826161	7.088869	6.961145	6.818507	6.904824	6.850402	6.873386	6.999487	6.73029	6.906298
KRTAP10-	KRTAP10-	6.956804	7.240248	6.985179	7.066076	7.016478	7.078501	6.972708	7.045232	6.96346	7.040066	6.880807	6.990634
KRTAP1-1	KRTAP1-1	6.760135	6.950677	6.664286	6.983955	6.855502	6.883488	6.697897	6.837211	6.804693	6.816154	6.790341	6.756345
KRTAP11-	KRTAP11-	6.855796	6.977344	6.830717	6.933755	6.932877	7.018087	6.877485	6.942779	6.936837	6.814317	6.735006	6.83785
KRTAP12-	KRTAP12-	6.935405	7.102373	6.870412	7.035817	6.981684	6.989134	7.003049	6.933116	6.964629	7.002833	6.745923	6.922253
KRTAP12-	KRTAP12-	6.793307	7.126253	6.819447	7.059831	6.97391	7.021549	6.92143	7.190444	6.831247	7.000359	6.843312	6.89418
KRTAP12-	KRTAP12-	6.893432	7.00774	6.799893	6.951548	6.88398	6.99211	6.824389	6.865545	6.713555	6.864711	6.875618	6.817605
KRTAP12-	KRTAP12-	7.162796	7.086448	6.843177	7.147635	7.007114	7.027331	7.08857	7.039799	6.969726	7.038462	6.804148	6.944491
KRTAP1-3	KRTAP1-3	6.912503	7.097725	6.762182	7.076716	6.957941	6.982676	6.962323	6.928545	6.938957	6.923952	6.82457	6.842772
KRTAP13-	KRTAP13-	6.988	7.151965	6.831714	7.117898	6.998634	7.066322	6.88197	6.905421	6.970187	7.000006	6.843576	6.936596
KRTAP13-	KRTAP13-	6.875182	7.012167	6.747525	7.043314	6.968557	6.939715	7.052446	6.951247	6.804258	6.909076	6.806287	6.904089
KRTAP13-	KRTAP13-	6.880576	7.123062	6.750056	7.010978	7.133808	7.031176	6.869503	6.928272	6.951596	6.966205	6.790651	6.915452
KRTAP13-	KRTAP13-	7.100954	7.155639	6.769757	6.971457	6.966973	6.943192	6.795852	6.90427	6.8842	6.969015	6.843248	6.720178
KRTAP1-5	KRTAP1-5	7.02795	7.22807	6.749148	6.953023	6.985414	6.956877	6.915941	7.00532	6.891711	7.039573	6.840189	6.89328
KRTAP15-	KRTAP15-	6.833553	6.973273	6.822482	6.906117	6.938208	6.98142	6.750229	6.82998	6.87706	6.786376	6.729007	6.790413
KRTAP17-	KRTAP17-	6.804136	7.016505	6.851295	6.951714	6.852255	6.924851	6.867533	6.902542	6.898001	6.962312	6.745318	6.725366
KRTAP19-	KRTAP19-	6.782179	6.998018	6.690441	6.926526	6.969756	6.879913	6.832344	6.962813	6.933726	6.919884	6.850824	6.810196
KRTAP19-	KRTAP19-	6.858552	7.012648	6.823042	7.060224	7.007761	7.024445	6.907835	6.92749	6.863094	7.007657	6.775183	6.81039
KRTAP19-	KRTAP19-	6.790255	7.046614	6.857026	6.956449	6.833997	6.835125	6.755326	6.93025	6.884826	6.885182	6.727527	6.806448
KRTAP19-	KRTAP19-	6.744217	6.856062	6.762147	6.983054	6.896083	7.023472	6.940003	6.962979	6.834152	6.939309	6.768867	6.786768
KRTAP19-	KRTAP19-	6.861213	7.075953	6.864456	7.037239	6.87301	7.051865	6.918524	6.990067	6.931925	6.895195	6.757648	7.021735
KRTAP19-	KRTAP19-	7.467701	7.825341	7.320211	7.560806	7.389781	7.636581	7.420339	7.409104	7.497902	7.488194	7.305009	7.395663
KRTAP19-	KRTAP19-	7.033652	7.11672	6.965436	7.044382	7.002106	7.212036	6.937056	6.977431	6.953753	6.936409	6.804258	6.894685

KRTAP20-	KRTAP20-	6.79955	6.930922	6.678441	6.924606	6.861332	6.89717	6.621382	6.880231	6.891227	6.898158	6.669328	6.680823
KRTAP20-	KRTAP20-	7.04424	7.04724	6.782774	7.039113	6.967387	7.17206	7.06363	7.066973	7.059732	7.173115	6.959869	7.004975
KRTAP2-1	KRTAP2-1	6.866536	6.982589	6.813271	7.050094	6.913345	6.846961	6.769918	6.924849	6.884075	7.02536	6.862299	6.836971
KRTAP21-	KRTAP21-	6.874229	7.059444	6.818196	7.107748	6.977846	7.00093	6.935666	6.969239	6.928783	7.035061	6.957329	6.771378
KRTAP21-	KRTAP21-	6.85618	7.021096	6.882805	7.111148	6.899114	6.853431	6.882866	6.927325	6.99839	6.938066	6.838816	6.890624
KRTAP2-2	KRTAP2-2	6.758117	6.967873	6.709565	6.980732	6.845164	6.812002	6.808763	6.835961	6.795175	6.918282	6.697781	6.693941
KRTAP22-	KRTAP22-	6.798777	7.037099	6.780336	6.952942	6.834811	6.865115	6.842843	6.87023	6.903287	6.866007	6.848507	6.783336
KRTAP23-	KRTAP23-	6.844878	7.080409	6.821576	7.027407	7.012146	7.060368	6.755862	6.908423	6.806358	6.965288	6.822653	6.779376
KRTAP2-4	KRTAP2-4	6.861093	7.008471	6.764598	6.945148	6.892916	6.86152	6.860843	6.88941	6.757109	6.914952	6.734214	6.841949
KRTAP26-	KRTAP26-	6.927003	6.989339	6.995709	7.011152	6.988114	7.043891	6.807495	6.921906	6.999156	7.035856	6.81008	6.833834
KRTAP27-	KRTAP27-	6.944103	7.073393	6.81855	6.999397	6.929754	6.926354	6.952159	6.978563	6.899123	6.964048	6.834935	6.818985
KRTAP3-1	KRTAP3-1	6.846976	6.978184	6.770947	6.890442	6.833838	6.888311	6.879722	6.928993	6.759932	6.76563	6.739802	6.786973
KRTAP3-2	KRTAP3-2	6.857743	6.998625	6.730724	6.966813	6.955695	6.880715	6.870228	6.904541	6.933297	6.958546	6.789502	6.805657
KRTAP3-3	KRTAP3-3	6.991032	7.117225	6.754145	7.084241	7.045644	6.936739	6.934696	6.968223	6.969404	6.964685	6.816491	6.864439
KRTAP4-1	KRTAP4-1	6.786082	6.884594	6.763037	6.960745	6.825132	6.868201	6.84763	6.885796	6.923475	6.846615	6.791085	6.748377
KRTAP4-1	KRTAP4-1	6.967377	7.217019	7.010037	7.02863	7.16901	7.092102	6.975027	7.049199	6.957803	7.104008	6.833588	6.885311
KRTAP4-1	KRTAP4-1	6.840621	7.067925	6.756521	6.990818	6.878575	6.916049	6.815488	6.9008	6.861416	6.891683	6.848898	6.753285
KRTAP4-2	KRTAP4-2	6.948967	6.989388	6.778581	6.973495	6.870092	6.938407	6.805193	6.852389	6.910371	6.882144	6.803035	6.903335
KRTAP4-3	KRTAP4-3	6.849997	6.923305	6.890951	6.995433	6.914859	6.899697	6.770462	6.922542	6.948723	6.791181	6.739395	6.744148
KRTAP4-4	KRTAP4-4	6.907221	6.957919	6.725845	6.978595	6.823954	6.793583	6.802085	6.973277	6.809435	6.944097	6.75987	6.878836
KRTAP4-5	KRTAP4-5	6.808675	6.802044	6.684592	6.971014	6.863136	6.900726	6.837338	6.884399	6.821755	6.843855	6.748151	6.681851
KRTAP4-7	KRTAP4-7	6.911353	7.095432	6.899901	7.112231	6.892028	6.989024	6.978312	6.776595	6.79401	6.898255	6.779554	6.789844
KRTAP5-1	KRTAP5-1	6.874354	7.085481	6.844092	6.964039	6.965528	7.047767	6.981537	6.918364	6.946277	6.882767	6.775645	6.971474
KRTAP5-1	KRTAP5-1	6.947101	6.964372	6.740026	7.023957	6.858659	6.964253	6.783033	6.914299	6.800008	6.915277	6.730671	6.832041
KRTAP5-1	KRTAP5-1	6.908899	6.974838	6.887568	7.016875	6.90425	7.041648	6.869468	6.880923	6.900602	6.951775	6.801997	6.993209
KRTAP5-2	KRTAP5-2	6.807329	7.023163	6.73244	6.947752	6.906069	7.041562	6.977336	6.948929	6.831541	6.913478	6.64628	6.736506
KRTAP5-3	KRTAP5-3	6.831107	6.903307	6.741334	6.94563	6.856682	6.937002	6.845876	6.924408	6.692095	6.789949	6.637674	6.788432
KRTAP5-4	KRTAP5-4	6.793458	6.926951	6.755435	7.042877	6.893518	6.949329	6.843018	6.869307	6.778788	6.880294	6.653259	6.788469
KRTAP5-5	KRTAP5-5	6.709985	6.938207	6.735825	6.933098	6.768977	6.858586	6.823474	6.860987	6.88503	6.86956	6.762152	6.815935
KRTAP5-6	KRTAP5-6	6.703318	7.037406	6.716675	6.918686	6.879741	6.847685	6.758402	7.015607	6.937379	6.911648	6.697406	6.762578
KRTAP5-7	KRTAP5-7	6.886913	6.921903	6.774555	6.996207	6.90045	6.867797	6.869617	6.892143	6.906835	6.909088	6.710368	6.813285
KRTAP5-8	KRTAP5-8	6.81322	6.993309	6.718434	6.922244	6.857848	6.767972	6.797491	6.842705	6.907599	6.890717	6.636741	6.839426
KRTAP5-9	KRTAP5-9	6.905515	7.141879	6.820523	7.159104	6.981184	7.054458	6.989599	6.945771	6.924881	6.936855	7.00439	6.909366
KRTAP6-1	KRTAP6-1	6.980114	7.056307	6.793341	6.994888	6.927044	7.004457	6.907754	6.940018	6.907509	6.974599	6.863311	6.796911
KRTAP6-2	KRTAP6-2	6.860281	7.164597	6.912133	7.047998	7.055724	7.324423	7.0747	7.185656	7.207122	7.231381	7.006234	7.011985
KRTAP6-3	KRTAP6-3	6.779836	7.06403	6.822911	7.002968	6.862	6.862388	6.79929	6.832365	6.87849	6.875237	6.738554	6.801854

KRTAP7-1	KRTAP7-1	7.047474	7.091875	6.965762	7.108682	7.001442	7.022488	6.99679	6.929397	6.956518	6.926976	6.869504	6.918173
KRTAP8-1	KRTAP8-1	6.871733	7.150016	6.898491	7.049812	6.895987	7.097183	6.887025	6.915959	6.973733	7.024638	6.804777	6.91731
KRTAP9-2	KRTAP9-2	6.964298	7.103173	6.845236	7.018132	7.037752	6.915081	6.986201	6.957649	6.883728	6.976162	6.799047	6.889145
KRTAP9-3	KRTAP9-3	6.853713	6.943063	6.777463	7.087368	6.890081	6.944883	6.789542	6.825015	6.865287	6.817772	6.837905	6.833512
KRTAP9-4	KRTAP9-4	6.919936	7.072589	6.846596	7.075768	6.939554	6.971103	6.878111	6.943291	6.876357	7.089868	6.823279	6.895287
KRTAP9-5	KRTAP9-5	6.788551	6.947438	6.735561	7.053935	6.926513	6.968279	6.829027	6.829008	6.78095	6.988135	6.748916	6.768854
KRTAP9-8	KRTAP9-8	6.846602	7.05728	6.759752	7.05533	6.994436	6.851986	6.827358	6.957254	6.818826	6.905988	6.722032	6.861179
KRTCAP2	KRTCAP2	11.74404	12.26819	11.76713	12.08286	12.04466	12.17729	12.1844	11.99167	12.17125	12.14234	11.86866	11.74357
KRTCAP3	KRTCAP3	8.247581	8.191416	7.630701	7.604929	7.245055	7.195363	7.322811	7.307675	7.211207	7.261239	6.99235	7.073627
KRTHA2	KRTHA2	6.891197	7.202882	6.717698	7.136309	6.851744	6.881093	6.751982	6.903959	6.964977	6.994454	6.811729	6.82884
KRTHA3B	KRTHA3B	6.833417	7.00538	6.724632	7.008278	6.84973	7.011127	6.898813	6.834279	6.849286	6.930725	6.703204	6.764336
KRTHA4	KRTHA4	6.832603	7.106443	6.817513	7.145327	7.001109	6.968538	6.983679	7.062094	6.851693	6.946772	6.981971	6.881996
KRTHA5	KRTHA5	6.761251	6.998086	6.712923	7.11321	6.850396	6.950406	6.806138	6.909097	6.874568	7.010005	6.824511	6.843366
KRTHA6	KRTHA6	6.969554	7.206864	6.871377	7.067254	6.947971	6.994532	6.938729	6.942304	6.855579	6.882267	6.833282	6.827976
KRTHA7	KRTHA7	6.930938	7.00842	6.849704	7.110975	6.962501	7.094239	6.974071	6.982371	7.033801	6.99867	6.791809	7.014171
KRTHA8	KRTHA8	6.982966	6.974727	6.828696	7.036906	6.972302	6.97079	6.800207	6.970925	6.930411	6.794529	6.871844	6.87959
KRTHB1	KRTHB1	6.901797	7.089055	6.883704	7.21139	7.158508	7.238985	7.010866	7.212158	7.21631	7.420967	7.571312	7.653944
KRTHB2	KRTHB2	6.886232	6.955679	6.801381	6.945165	6.906891	7.065217	6.730139	6.865845	6.847096	6.845554	6.761926	6.7905
KRTHB3	KRTHB3	7.066934	7.137605	6.848676	7.147454	6.972373	7.157217	7.0488	7.012489	6.956235	7.06553	6.834775	7.051192
KRTHB4	KRTHB4	6.865105	7.105132	6.870379	7.103784	7.044761	7.140258	6.958562	7.072692	6.971975	6.987932	6.809422	6.950887
KRTHB5	KRTHB5	6.956025	7.088359	6.776911	7.000932	6.99659	6.926432	6.908238	6.906466	6.89333	6.947844	6.775077	6.733072
KSP37	KSP37	6.912108	7.072563	6.865027	7.012143	6.814887	6.916227	6.841596	6.925432	6.802074	6.946601	6.826608	6.902548
KSR1	KSR1	7.204822	7.424666	7.026198	7.200938	7.277243	7.162437	7.0268	7.102499	7.11378	7.178473	6.914284	6.969761
KSR2	KSR2	6.908051	7.037855	6.80316	7.030676	6.902747	7.0364	6.797316	6.897599	6.908359	6.89857	6.72433	6.792434
KTI12	KTI12	7.989319	8.44157	7.766332	8.082055	7.874334	8.455291	7.80129	7.995112	7.765235	7.916096	8.057933	8.012411
KTN1	KTN1	9.448885	10.07583	9.911261	10.64147	10.05597	10.69532	10.49943	10.3542	10.38639	10.48097	9.873617	10.20124
KUA	KUA	9.190133	9.271067	8.788577	9.253837	9.081583	8.936065	8.650924	8.700326	8.587346	8.7096	8.605908	8.503803
KUA-UEV	KUA-UEV	7.864398	8.303677	7.789639	8.105442	7.828799	8.08619	7.867426	8.013159	7.898482	7.988257	8.001732	7.87122
KU-MEL-3	KU-MEL-3	6.806341	7.145561	6.756242	6.999234	6.945971	6.94336	6.832566	6.893693	6.775455	6.904938	6.764817	6.914097
KY	KY	7.881891	8.222378	7.408576	7.584152	7.463719	7.671207	7.558128	7.359383	7.522444	7.720898	7.369499	7.445053
KYNU	KYNU	6.978219	7.190215	7.057786	8.290791	8.349952	7.113947	6.89939	6.984682	6.954767	7.105337	7.710986	7.678341
L1CAM	L1CAM	7.267393	7.645016	7.260422	7.399382	7.331389	7.322933	7.210322	7.226357	7.313899	7.316336	7.210587	7.150458
L2HGDH	L2HGDH	9.830992	9.225311	8.439665	8.553535	8.435247	9.149146	8.660811	8.665897	8.571067	8.536616	8.017876	8.320241
L3MBTL	L3MBTL	7.196237	7.272898	6.971862	7.347233	7.206639	7.187445	7.104761	7.05407	7.146406	7.020549	6.801962	6.899162
L3MBTL2	L3MBTL2	8.543233	8.827327	8.352928	8.459343	8.218853	8.294556	8.092534	8.264787	8.10709	8.31627	8.113392	8.06531
L3MBTL3	L3MBTL3	7.52875	7.84487	7.581336	7.81901	7.521537	7.297684	7.140438	7.177816	7.254976	7.173654	7.022279	7.13116

L3MBTL4	L3MBTL4	6.699318	7.035271	6.76573	7.005426	6.89845	6.832395	6.880668	6.89156	6.766204	6.864509	6.835254	6.814388
LACE1	LACE1	6.967772	7.293926	6.927031	7.046327	7.217171	7.428626	7.020722	7.187825	7.055591	7.101473	6.877281	7.108666
LACRT	LACRT	6.909739	7.011005	6.822103	6.976302	6.943194	6.958731	6.969046	6.965854	6.915267	6.931441	6.833094	6.783891
LACTB	LACTB	8.422365	8.625776	7.975332	8.076359	8.231014	8.624595	8.313107	8.528049	8.378614	8.46355	8.812362	8.626161
LACTB2	LACTB2	9.088414	9.241293	8.770046	8.608006	9.029216	10.85084	10.43477	10.44106	10.54662	10.58621	10.06982	10.27181
LAD1	LAD1	8.419271	8.855229	7.511766	7.458932	7.230654	7.474132	7.379305	7.381023	7.283999	7.299321	6.999225	7.07108
LAG3	LAG3	7.494161	7.469157	7.123812	7.392397	7.310345	7.276987	6.995088	7.04705	7.061292	7.06276	7.004929	7.009177
LAIR1	LAIR1	14.20748	14.54211	14.19251	14.62619	14.39247	14.32869	14.46256	14.41496	14.44291	14.4057	14.08225	14.41267
LAIR2	LAIR2	6.860609	7.157694	6.798132	7.023148	6.967104	6.961357	6.925563	6.997617	6.911069	6.983713	6.793698	6.948129
LALBA	LALBA	6.880495	6.957869	6.842329	6.986552	6.910718	6.860961	6.826635	6.896757	6.887693	6.928561	6.85136	6.785787
LAMA1	LAMA1	8.715586	8.403309	9.03036	10.01345	8.891493	8.032255	7.280184	7.150001	7.090243	7.018656	6.965424	6.929865
LAMA2	LAMA2	6.910767	7.32642	6.90944	7.157329	7.624771	8.692562	8.425111	8.599006	8.171473	8.355024	7.857584	8.36077
LAMA3	LAMA3	7.07845	7.078246	6.890861	7.064673	7.023441	7.091734	6.971274	7.027138	7.033093	7.030492	6.828825	6.9576
LAMA4	LAMA4	6.787914	7.123495	6.842854	7.190821	7.778964	9.416444	9.229296	8.983076	8.29823	8.553877	7.810137	8.466454
LAMA5	LAMA5	12.31951	11.83262	11.19773	12.56771	12.9161	11.93911	11.85915	11.996	11.85584	11.74265	11.24074	11.32517
LAMB1	LAMB1	7.925729	8.74438	8.722428	9.985987	9.574311	8.618357	8.806992	9.02559	9.078767	8.911875	9.366104	8.882308
LAMB2	LAMB2	7.660009	8.132669	7.656584	8.910233	9.332559	9.966163	9.776702	9.6861	9.395735	9.887781	9.357298	9.742614
LAMB3	LAMB3	6.907586	7.151335	6.908983	7.112597	6.987677	7.039319	6.976013	7.045351	6.962232	7.039835	6.875333	6.941296
LAMB4	LAMB4	6.819482	7.081954	6.738151	6.966735	6.972366	7.00395	6.812818	6.93603	6.882068	6.912423	6.81535	6.837768
LAMC1	LAMC1	12.35523	12.51593	12.07588	13.52669	13.30576	13.02064	12.79128	12.87413	12.52627	12.44526	12.38443	12.43825
LAMC2	LAMC2	7.508596	7.895698	7.280076	7.370884	7.193014	7.102332	6.936308	7.025487	7.075725	7.053759	7.108098	7.060436
LAMC3	LAMC3	8.897686	8.406784	7.866524	8.474127	8.392698	7.559706	7.250974	7.179832	7.399316	6.948807	6.787758	6.838961
LAMP1	LAMP1	11.94601	12.43906	11.87924	11.91137	11.61433	12.0231	11.59923	11.58655	11.73218	11.56224	11.87783	11.6823
LAMP2	LAMP2	8.958279	9.48273	9.150387	9.5832	9.692961	10.24994	9.847425	9.95746	10.06367	9.851513	10.13031	10.21574
LAMP3	LAMP3	6.873663	7.096768	6.889183	6.99192	7.039827	6.960432	6.885557	6.910458	6.897557	6.89083	6.739965	6.913838
LANCL1	LANCL1	10.65806	10.91707	11.02121	11.2711	11.09025	11.85732	11.31859	11.39146	11.27614	11.22343	10.95143	11.26219
LANCL2	LANCL2	8.461147	9.339917	9.060214	9.317857	9.23085	9.720969	8.975329	8.982432	8.943871	8.803952	8.49655	8.485835
LANCL3	LANCL3	6.837039	6.931111	6.733026	6.991111	6.901097	6.900349	6.764477	6.955872	6.86561	6.864313	6.663068	6.827374
LAP3	LAP3	9.478149	10.22956	9.715824	9.687916	9.617252	10.6276	10.09288	9.767179	9.829761	9.739802	9.395314	9.390961
LAPTM4A	LAPTM4A	8.688974	9.25269	8.960172	8.866849	8.893297	8.875862	8.861077	8.754878	9.081823	8.833766	8.553358	8.934034
LAPTM4B	LAPTM4B	13.48559	13.70106	13.88228	13.97314	13.7272	14.51112	13.97375	14.23046	13.82205	14.1083	13.89185	13.66467
LAPTM5	LAPTM5	6.961533	7.030167	6.946931	6.944974	6.896437	6.901803	6.966091	6.755367	6.82641	6.838166	6.688266	6.821193
LARGE	LARGE	9.205333	9.635627	8.257284	8.110918	8.04899	8.057946	7.844524	7.947587	8.170168	8.029239	7.847061	8.316435
LARP1	LARP1	9.417377	9.485688	8.600035	8.850178	8.45372	8.346474	8.124438	8.232083	8.267485	8.167435	8.124666	8.171085
LARP2	LARP2	9.070885	8.973125	8.329303	8.280637	7.803217	8.463014	7.876287	7.974892	7.999119	8.080504	7.836457	7.839386
LARP4	LARP4	8.796582	9.040223	8.395937	9.092972	8.849546	9.500149	9.220244	8.796023	8.995831	8.777614	8.385873	8.796458

LARP5	LARP5	9.574209	9.607909	8.998799	9.775741	9.493344	9.720788	9.04636	9.268642	9.075578	9.077472	9.317763	9.214694
LARP6	LARP6	8.806164	9.223271	8.72892	8.649331	9.04349	9.904456	9.85206	9.916406	9.866288	10.18003	10.50022	10.58601
LARP7	LARP7	9.834577	10.03313	11.13625	10.55882	10.51009	11.55115	10.90188	11.02712	10.94643	10.8348	10.45992	10.54672
LARS	LARS	11.23103	11.79161	10.80334	10.85763	10.4002	10.83076	10.15593	10.35845	10.22193	10.08869	10.16512	10.26822
LARS2	LARS2	8.998772	9.479917	8.506761	8.622022	8.519466	9.038415	8.526161	8.682699	8.16403	8.413912	8.186512	8.059666
LAS1L	LAS1L	8.926139	9.558236	8.916513	8.697378	8.111872	8.112149	7.460072	7.65924	7.527862	7.488985	7.40753	7.351927
LASP1	LASP1	13.08915	13.66006	12.63012	12.73065	12.98578	12.57853	11.83853	11.82415	11.9968	11.20092	12.05547	11.43657
LASS1	LASS1	7.137552	7.305863	6.989701	7.296942	7.114321	7.11395	7.077051	7.092594	7.04779	7.009211	6.956013	6.952942
LASS2	LASS2	9.268826	9.755014	9.161536	9.399152	9.103409	9.033574	8.757679	8.779605	8.720892	8.811786	9.33091	8.987566
LASS3	LASS3	6.758617	7.034027	6.77473	7.047663	6.883286	6.90983	6.807746	6.949405	6.80842	6.872848	6.761376	6.855466
LASS4	LASS4	7.666308	7.857326	7.499953	7.520404	7.441917	7.632166	7.262718	7.362902	7.330505	7.410859	7.224943	7.207762
LASS5	LASS5	9.256846	9.660016	9.708882	9.906502	9.372478	9.469482	9.088293	9.254327	9.008561	8.945981	8.969994	8.780403
LASS6	LASS6	10.6072	10.89616	10.90841	11.8213	11.48971	11.33561	10.9919	11.35124	11.12335	11.27988	10.88812	10.81973
LAT	LAT	6.965373	7.227178	6.949217	7.119987	7.104939	7.094511	6.938122	6.979345	6.979423	7.054967	6.879383	6.914995
LAT1-3TM	LAT1-3TM	8.386635	8.661658	8.127429	8.19989	8.283967	8.63856	8.294836	8.169543	8.333308	8.292997	8.311407	7.96503
LAT2	LAT2	6.78824	7.042609	6.754388	7.054117	6.979007	7.033815	6.881782	7.006599	6.861601	6.901656	6.756361	6.782741
LATS1	LATS1	6.930648	7.078632	6.880943	7.066594	6.95718	6.99673	6.886653	6.945429	6.903923	6.880132	6.795739	6.910977
LATS2	LATS2	7.806953	7.645917	7.528554	8.155188	7.917061	8.167311	7.604245	7.876278	7.782456	7.788427	7.791298	8.189775
LAX1	LAX1	7.068219	7.271799	6.868731	7.091938	7.071899	7.023041	6.932787	7.085369	6.989714	6.926865	6.990724	6.821499
LAYN	LAYN	7.565031	8.450232	7.645551	7.890004	7.677096	7.941261	7.484845	7.675503	7.488361	7.469026	8.001863	7.804643
LBA1	LBA1	7.41453	7.575016	7.181788	8.509909	8.883161	7.16325	7.295908	7.318499	7.389959	7.145642	7.153782	6.960122
LBH	LBH	7.54055	8.323762	8.327295	9.164609	9.791008	10.9102	9.99022	10.00073	9.41097	9.519876	9.507758	9.074087
LBP	LBP	7.046459	7.409693	6.88748	7.269968	6.985011	6.814154	6.924469	6.881526	6.94786	6.97162	6.88124	6.83459
LBR	LBR	7.93095	8.232374	8.002552	8.247381	7.93996	7.824683	7.457864	7.475831	7.500692	7.283295	7.195892	7.307999
LBX1	LBX1	6.810283	6.972774	6.798278	7.025349	6.93238	6.918665	6.861626	6.882984	6.933981	6.917847	6.676668	6.730515
LBX2	LBX2	6.972906	6.997777	6.753169	7.049044	7.053941	7.094714	6.817694	6.98135	6.88701	6.940593	6.822725	6.910801
LBXCOR1	LBXCOR1	6.948762	7.12735	6.870063	7.126453	7.069497	7.028459	6.86289	6.930231	6.851676	7.032399	6.733636	6.81802
LCAP	LCAP	7.074978	7.095632	6.779733	7.057386	7.05056	7.054822	6.83021	6.957666	6.877594	7.080944	6.894532	6.986181
LCAT	LCAT	7.234673	7.316659	7.153387	7.838263	7.829943	7.995161	7.811133	7.633037	7.558345	7.704592	7.416675	7.720787
LCE1A	LCE1A	6.685373	7.025971	6.715778	7.035291	6.877328	6.996832	6.905558	6.981887	6.888168	6.885407	6.822065	6.793573
LCE1B	LCE1B	6.938774	7.278878	7.030756	7.099176	6.893569	7.056484	6.926918	6.950703	7.048752	7.118162	6.876802	6.862725
LCE1D	LCE1D	6.797494	6.998821	6.773416	6.929669	6.96507	6.933752	6.917814	6.906575	6.820499	6.951936	6.709119	6.788721
LCE1E	LCE1E	6.787776	7.017879	6.782661	6.974696	6.915437	6.975639	6.842429	6.884659	6.848654	6.881331	6.819433	6.805807
LCE1F	LCE1F	6.959462	7.12753	6.878482	6.974862	6.895829	6.837286	6.885091	6.954424	6.956875	6.998782	6.650754	6.782162
LCE2A	LCE2A	6.803621	7.011899	6.730953	6.94625	6.818887	6.9864	6.87663	6.918753	6.796905	6.717876	6.759378	6.729708
LCE2B	LCE2B	6.926697	7.021203	6.800926	6.976471	6.772141	7.085924	6.874881	6.983054	6.844943	6.890796	6.828885	6.819612

LCE2C	LCE2C	6.931883	6.983012	6.742246	7.009067	6.92746	6.960992	6.854002	6.818266	6.881449	6.861024	6.838144	6.90984
LCE2D	LCE2D	6.840167	6.890658	6.737641	6.944584	6.920471	6.801816	6.754574	6.878035	6.802366	6.840186	6.69741	6.743693
LCE3A	LCE3A	6.863501	7.092491	6.802123	6.971733	6.990323	6.811407	6.803351	6.869478	6.801358	6.94852	6.803736	6.829972
LCE3B	LCE3B	6.861678	6.916325	6.762497	7.108578	6.875582	6.802418	6.824524	6.932992	6.900906	6.820987	6.779645	6.840412
LCE3C	LCE3C	6.860482	6.947664	6.778418	6.91374	6.872168	6.906748	6.814856	6.878985	6.86899	6.924357	6.736951	6.874299
LCE3D	LCE3D	6.742497	6.981904	6.746521	6.938258	6.847114	6.830401	6.779114	6.848163	6.781622	6.91531	6.802312	6.773558
LCE3E	LCE3E	6.916402	7.156414	6.796118	6.975315	6.839198	7.037387	6.749162	6.839687	6.871078	6.942521	6.79581	6.797307
LCE4A	LCE4A	6.899607	7.133768	6.86851	7.072357	7.015972	7.105583	6.901028	6.946336	7.005703	6.978391	6.807729	6.923274
LCE5A	LCE5A	6.889755	7.089023	6.815246	7.126219	7.001075	7.163609	6.878036	6.975257	6.98358	6.985687	6.822997	6.859378
LCK	LCK	7.651657	7.698761	6.982868	7.075139	7.023483	7.074799	6.945666	7.044184	6.939843	7.052416	6.860556	6.861538
LCMT1	LCMT1	10.97032	11.0753	10.44506	10.39042	10.21288	10.57131	10.19446	10.28625	10.3721	10.41148	10.28361	10.04548
LCMT2	LCMT2	8.61532	9.274891	9.219215	9.003955	9.086641	9.412169	8.634421	8.976505	8.787638	8.760758	8.829057	8.489692
LCN1	LCN1	6.959844	7.078912	6.880266	7.333148	7.173019	7.137433	7.04278	7.183129	6.989264	7.221564	6.91936	6.965352
LCN10	LCN10	6.856055	6.955627	6.819451	7.110729	6.974266	7.00271	6.797986	6.889781	6.922095	6.973113	6.770299	6.866606
LCN12	LCN12	6.869502	7.114838	6.799614	7.032913	6.962932	7.204148	7.068244	7.066957	7.088667	7.159889	7.028153	7.023541
LCN2	LCN2	7.128898	7.12382	6.766893	6.97605	6.820958	6.863578	6.894151	6.896578	6.884411	6.907502	6.698756	6.749421
LCN6	LCN6	6.92744	7.013884	6.690406	6.936229	6.821147	7.029455	6.780366	6.764717	6.825416	6.965289	6.697201	6.679804
LCN8	LCN8	6.894328	6.905173	6.879846	6.896965	6.92858	7.095523	6.817274	6.803246	6.880945	6.826259	6.730463	6.734438
LCN9	LCN9	6.848621	7.097459	6.817832	6.973347	6.921617	7.095607	6.851972	6.977193	6.927499	7.000665	6.747384	6.878501
LCOR	LCOR	8.453933	9.313709	9.212852	9.715	9.790404	9.922562	9.502574	9.059787	9.308495	8.858538	8.520274	8.900499
LCORL	LCORL	6.886685	7.041282	6.81671	7.07462	7.012658	7.061457	6.904365	6.943195	6.920845	6.966003	6.761625	6.923856
LCP1	LCP1	7.43032	7.932003	7.681329	9.152531	8.795376	7.224286	6.884606	6.920655	6.941288	6.855771	6.730068	6.844379
LCP2	LCP2	7.135362	7.211493	6.87956	7.153308	7.165981	7.193745	7.014795	7.092375	7.140327	7.00024	6.869636	7.007865
LCT	LCT	6.815068	6.97282	6.737274	6.921719	6.77163	6.84256	6.813113	6.874882	6.852182	6.835282	6.664249	6.784747
LCTL	LCTL	7.296359	7.555886	7.207721	7.493739	7.377438	7.533534	7.311267	7.444337	7.404545	7.332913	7.392424	7.361545
LDB1	LDB1	6.957655	7.216449	6.907323	7.114332	6.989137	7.174478	7.151181	7.197412	7.025671	6.993456	6.893907	7.002376
LDB2	LDB2	10.89532	10.55677	10.83379	10.65515	10.00066	8.124315	8.025689	8.047804	8.969275	7.966206	8.46152	8.176076
LDB3	LDB3	6.864927	7.124822	6.757022	7.285589	8.099123	9.775724	9.485418	9.623141	8.964313	9.559507	8.736933	8.915451
LDHA	LDHA	13.97953	13.2016	12.6672	13.3159	13.5758	13.42745	13.06365	13.23191	13.15669	13.17853	13.64308	13.91427
LDHAL6A	LDHAL6A	6.892824	7.225198	6.856897	7.212038	7.117249	7.005073	6.908114	7.02887	6.890067	7.073916	6.720479	6.973184
LDHAL6B	LDHAL6B	6.874894	6.987786	6.757355	6.986926	6.962244	7.022652	6.854299	6.915318	6.895018	6.963289	6.822412	6.911096
LDHB	LDHB	13.33727	13.84387	13.08932	13.14929	12.91497	13.3412	13.30885	13.15796	13.47193	13.42717	12.68285	13.14029
LDHC	LDHC	6.883212	7.127707	6.87295	7.074027	6.942818	7.14573	6.971913	6.982267	6.914547	7.003822	6.853892	6.887989
LDHD	LDHD	7.031513	7.120527	6.67213	6.939456	6.885005	6.881868	6.855196	7.009892	6.884476	7.040037	6.90422	7.075201
LDLR	LDLR	11.82537	11.25558	11.02447	11.53884	11.13472	11.51079	11.38007	11.81738	12.16679	12.05094	12.41905	11.92569
LDLRAD1	LDLRAD1	6.933367	6.986743	6.900585	7.158265	6.829178	6.893318	6.778096	6.918599	6.91313	7.012125	6.70977	6.708222

LDLRAD2	LDLRAD2	6.88367	7.128971	6.908552	7.085079	6.962824	6.967079	6.914989	7.026179	6.921534	6.925251	6.736098	6.874528
LDLRAD3	LDLRAD3	7.590449	7.806795	7.711964	7.987773	7.438421	7.210067	7.056518	7.103927	6.986656	7.015549	6.81228	6.92689
LDLRAP1	LDLRAP1	7.272744	7.634722	7.031783	7.199823	7.233824	7.330875	7.295388	7.355752	7.153556	7.262149	7.336243	7.185365
LDOC1	LDOC1	8.819665	9.273201	8.51586	9.068474	9.73283	9.455815	9.111133	9.179587	9.09505	8.985608	9.427799	9.067013
LDOC1L	LDOC1L	9.363311	9.575466	8.617825	9.256005	9.815445	10.30353	9.834145	9.786845	9.889878	9.426113	9.18839	9.158954
LEAP2	LEAP2	7.346893	7.42085	7.05566	7.352299	7.376531	7.760001	7.443658	7.443385	7.419104	7.453911	7.097444	7.315522
LECT1	LECT1	11.14568	11.58355	7.423383	7.259142	7.096067	7.066722	6.943559	7.026755	6.948632	6.97025	6.817503	6.888702
LECT2	LECT2	6.887447	7.026476	6.734725	6.913341	6.778845	6.788358	6.761341	6.928015	6.790782	6.927495	6.61343	6.789766
LEF1	LEF1	7.042986	7.955505	10.19624	11.57692	10.69397	10.40846	9.195537	8.775402	9.036927	7.917033	7.472865	7.429346
LEFTY1	LEFTY1	8.554638	7.719753	7.310069	7.143877	6.998246	6.929285	6.811286	6.893163	6.852044	6.915263	6.706563	6.816869
LEFTY2	LEFTY2	7.45499	7.341608	11.83666	9.702204	7.876596	7.928772	8.435638	8.480771	8.411135	8.49439	7.838557	8.682144
LELP1	LELP1	6.853178	7.098617	6.796222	6.99738	6.948264	7.025873	6.894849	6.984101	6.947572	6.943683	6.731173	6.817419
LEMD1	LEMD1	7.484266	7.131653	7.200587	7.139526	6.955151	7.03067	6.821148	6.804826	7.223535	7.020793	6.800645	6.847409
LEMD2	LEMD2	9.238747	9.642785	8.816869	9.290149	9.349388	9.647186	9.293911	9.265008	9.477139	9.273306	8.791714	9.126053
LEMD3	LEMD3	10.23385	10.67248	10.20753	10.37088	10.12971	10.75426	10.03832	9.955045	10.04069	9.714239	9.407861	9.829945
LENEP	LENEP	6.873959	7.070991	6.853622	7.08264	6.850143	6.989886	6.949368	6.906264	6.858411	6.914266	6.681514	6.902143
LENG1	LENG1	7.211679	7.523918	7.164612	7.421633	7.246009	7.490059	7.33636	7.270923	7.347261	7.395199	7.138181	7.33366
LENG4	LENG4	8.318252	8.61636	8.254936	8.581481	8.149274	8.096518	7.788377	7.819797	7.799907	7.795372	8.60018	8.192528
LENG8	LENG8	7.211892	7.310274	7.002666	7.328191	7.408126	7.615677	7.248183	7.287383	7.223245	7.410196	7.060225	7.111506
LENG9	LENG9	6.893885	7.148403	6.833804	7.037449	6.945262	6.989474	6.972072	7.080199	6.944012	6.947021	6.857079	6.882682
LEO1	LEO1	8.93493	9.145773	8.633993	8.774862	8.674309	8.904185	8.489173	8.592015	8.563995	8.435602	8.404233	8.327789
LEP	LEP	7.608877	8.357989	8.00161	8.317153	8.44414	8.150342	8.424827	7.829287	8.225524	8.079871	7.439278	7.987069
LEPR	LEPR	7.11175	7.245522	7.055727	8.20775	7.991323	7.384248	7.16636	7.148328	7.187678	7.13291	7.000318	7.166608
LEPRE1	LEPRE1	8.614431	8.468574	8.354477	9.23104	9.046662	8.453341	8.595031	8.887439	8.809868	8.698125	9.269149	8.9266
LEPREL1	LEPREL1	11.70258	11.67459	12.43964	11.60542	10.48573	10.86972	10.67999	11.08449	10.77142	11.02219	10.59765	9.906852
LEPREL2	LEPREL2	7.990251	8.275706	7.606661	8.12323	8.301839	7.496518	7.664915	7.733723	7.85366	7.831323	8.48546	7.741934
LEPROT	LEPROT	9.551726	10.26977	10.07041	10.82959	11.09125	11.7658	11.44719	11.62782	11.6179	11.49883	11.35388	11.51767
LEPROTL1	LEPROTL1	10.66907	10.94565	10.43759	11.59409	11.74386	11.60345	11.09082	10.99499	11.22148	11.11562	10.84236	11.45831
LEREPO4	LEREPO4	6.856509	7.126711	6.805311	6.950347	6.968359	6.887811	6.793268	6.951125	6.852705	6.868207	6.821402	6.801268
LETM1	LETM1	7.950544	7.985035	7.59159	7.836744	7.663347	7.868377	7.416273	7.392473	7.418575	7.455792	7.323709	7.433471
LETM2	LETM2	6.872398	7.059196	6.995729	7.072285	7.002429	6.950193	6.921923	7.008412	6.916573	6.951748	6.895626	6.865723
LETMD1	LETMD1	8.744587	8.666442	8.026948	8.321316	8.702897	8.962041	8.667848	8.905351	8.883284	8.830044	8.708151	8.622205
LFNG	LFNG	8.612227	8.824859	9.008249	7.923649	7.253102	7.13404	6.944523	7.037174	7.269372	7.149859	6.999215	6.94131
LGALS1	LGALS1	8.260702	10.12528	8.894948	8.755715	8.733786	8.258447	10.19536	11.25782	12.19797	12.0289	13.71596	11.93455
LGALS12	LGALS12	6.995546	7.370861	7.23172	7.146439	7.086792	7.277898	6.932393	6.932934	7.084872	7.109927	6.873524	7.010876
LGALS13	LGALS13	7.326581	7.387156	7.203641	7.355479	7.197514	7.170153	7.065681	7.074989	7.171636	7.18356	7.013789	6.918829

LGALS14	LGALS14	7.267506	7.168959	6.936925	7.082254	7.089501	7.019881	6.986574	6.983638	6.979444	6.97746	6.845891	6.921962
LGALS2	LGALS2	6.9848	7.191897	7.028717	7.168918	7.223814	7.220955	7.048243	6.976588	7.037673	7.121973	7.058125	6.992267
LGALS3	LGALS3	7.341902	7.608117	7.191023	7.902357	8.289811	9.224328	9.332591	8.671359	9.67762	9.282815	8.251358	9.141819
LGALS3BF	LGALS3BF	7.922762	8.09492	7.221471	7.778812	8.35734	8.113202	8.925839	9.652939	9.190441	9.74602	9.988709	9.893724
LGALS4	LGALS4	6.833687	7.066236	6.869478	7.139147	6.93546	7.128725	6.882111	6.971605	6.927803	6.899953	6.788559	6.888922
LGALS7	LGALS7	6.881235	7.404621	6.888522	7.016634	6.956183	7.014089	7.237695	7.278232	7.1811	7.377823	7.115143	7.663394
LGALS8	LGALS8	7.480382	8.113088	7.34322	7.663784	7.329955	7.818583	7.919196	8.030354	7.987366	8.21508	7.948542	8.024788
LGALS9	LGALS9	6.982031	7.144867	6.854453	7.116554	7.030041	7.005763	6.895799	6.94259	6.941747	6.936637	6.817803	6.838414
LGI1	LGI1	6.86807	7.067814	7.187011	7.600486	7.091354	7.017689	6.898422	7.067909	7.165857	6.98555	6.715638	6.753181
LGI2	LGI2	7.4505	7.683129	7.370659	7.888195	7.997994	7.846448	7.811297	7.992709	7.897408	7.777102	7.845592	7.48036
LGI3	LGI3	6.765525	6.949361	6.725969	7.000465	6.899643	6.797892	6.932767	6.928481	6.794758	6.858401	6.640678	6.79085
LGI4	LGI4	7.06057	7.141406	6.910842	7.108358	7.057318	7.135501	7.039336	7.048474	6.910712	7.189753	6.923467	6.924972
LGICZ1	LGICZ1	7.092304	7.144857	6.907367	7.033943	6.927699	7.237193	7.013425	7.056577	6.959094	7.043094	6.915253	6.980842
LGMN	LGMN	8.999967	8.852995	8.701187	9.412377	9.067046	9.647799	9.140954	9.336885	8.896554	8.906281	8.996061	8.890545
LGP1	LGP1	7.627671	7.742205	6.928096	7.130608	7.145365	7.107727	6.995921	7.049057	7.104975	7.073162	6.918557	6.924719
LGP2	LGP2	7.357827	7.198901	6.871462	7.028145	7.005562	6.867126	6.834774	6.945337	6.929801	6.881437	6.771341	6.757951
LGR4	LGR4	7.947866	8.166548	7.880701	9.413814	8.570791	8.528721	8.178204	8.400851	7.924113	8.339428	8.35293	8.312263
LGR5	LGR5	7.011939	7.149819	7.385261	7.279678	6.925912	6.991587	6.863859	7.012694	6.91311	6.980111	6.760461	6.812315
LGR6	LGR6	6.897726	7.049176	6.779734	7.038287	6.963903	6.981499	6.941621	6.954976	6.891246	6.948872	6.844096	6.812428
LGR7	LGR7	6.914972	7.026534	6.811819	6.938997	6.967265	7.018548	7.028093	6.941522	6.893117	6.861865	6.763556	6.826471
LGR8	LGR8	6.831712	6.997194	6.697748	6.993982	6.871313	6.832042	6.961262	7.029522	6.870355	7.026844	6.689063	6.870935
LGTN	LGTN	8.905728	9.210619	8.908566	9.113185	8.871078	8.825879	8.649094	8.785104	8.699885	8.736567	8.707223	8.886236
LHB	LHB	6.911538	6.95416	6.801216	7.267159	7.140989	6.970184	6.879646	6.956121	6.914916	6.844205	6.881677	6.819497
LHCGR	LHCGR	7.013318	7.155441	6.907518	7.022409	6.99281	6.918219	6.868823	6.843154	6.927182	6.912752	6.742608	6.867617
LHFP	LHFP	7.848441	7.874893	8.592433	8.935639	8.692309	10.15762	9.392924	9.805935	9.863487	9.964461	10.18001	9.609678
LHFPL1	LHFPL1	6.857896	7.033067	6.916193	7.161354	6.982979	7.378568	6.802801	7.008477	6.959803	6.991614	6.773043	6.83239
LHFPL2	LHFPL2	9.633987	9.462794	10.00308	11.40182	10.1038	9.812902	9.517384	9.33271	9.114622	8.62292	9.046454	8.662815
LHFPL3	LHFPL3	7.05115	7.446132	7.139492	7.376284	7.207146	7.3044	7.321347	7.174353	7.255148	7.264574	7.128005	7.179232
LHFPL5	LHFPL5	6.834135	7.005025	6.830587	6.920843	6.908987	6.921368	6.860343	6.958188	6.837834	6.76409	6.742258	6.808403
LHPP	LHPP	9.575418	8.238622	7.934898	8.254553	8.542653	8.683117	8.218105	7.986536	8.201626	8.071769	7.656453	8.203382
LHX1	LHX1	7.067287	7.235581	9.963826	7.961063	7.094642	7.111298	6.938235	7.016064	7.021491	7.011692	6.840572	6.973834
LHX2	LHX2	6.997661	7.009402	7.101734	8.133081	9.357934	8.420918	8.30241	7.605415	9.587329	7.073704	6.835628	6.782431
LHX3	LHX3	6.932063	7.098307	6.852721	7.039147	6.972499	6.956015	6.891499	6.936744	6.94531	6.962177	6.874235	6.861392
LHX4	LHX4	7.797267	7.39681	6.98123	7.251208	7.052479	7.27011	7.07267	6.932365	6.983595	6.935037	6.930746	7.0121
LHX5	LHX5	7.123717	7.246204	6.908605	7.241875	7.091693	7.192536	6.963049	7.070069	6.904345	7.042884	6.936813	7.063957
LHX6	LHX6	7.525845	7.763455	7.582862	7.419783	7.43917	7.542407	7.344628	7.402345	7.416209	7.527052	7.266162	7.179451

LHX8	LHX8	7.015672	7.03269	6.807303	7.164715	6.947229	6.905668	6.932731	6.949723	6.907648	6.906915	6.804849	6.802558
LHX9	LHX9	6.792588	6.997857	6.699377	6.940742	6.87088	6.916359	6.950962	6.825955	6.908309	6.915824	6.70187	6.847161
LIAS	LIAS	8.803284	9.005565	7.885199	8.04873	8.08297	8.637614	8.286889	8.198815	8.081474	8.184819	7.844948	8.151161
LIF	LIF	6.896282	7.100671	6.847447	7.099888	7.021579	7.0616	6.933301	7.22984	7.040373	7.115939	7.322482	7.133927
LIFR	LIFR	7.3253	7.332926	7.757421	8.992464	8.735468	7.855888	7.66819	7.485637	7.921266	7.621394	7.246296	7.479673
LIG1	LIG1	9.46814	9.922977	9.138739	9.304653	8.95603	8.935154	8.503207	8.35838	8.454143	8.185168	7.77292	7.608199
LIG3	LIG3	8.482026	8.778373	8.107271	8.214142	7.963772	7.844507	7.528148	7.541855	7.663204	7.505571	7.320321	7.382975
LIG4	LIG4	6.998668	7.263636	6.997331	7.199573	7.126534	7.408522	7.275099	7.223032	7.231933	7.20236	7.104218	7.239384
LILRA1	LILRA1	6.987943	7.129442	6.876858	7.081578	7.002097	6.958173	7.015639	7.02559	6.920654	6.995455	6.836817	6.951354
LILRA2	LILRA2	6.79257	6.896337	6.669252	6.856868	6.703543	6.737433	6.807824	6.839195	6.800616	6.818485	6.672545	6.676659
LILRA3	LILRA3	6.85546	7.034188	6.806445	7.047267	6.92904	6.925404	6.852354	6.943283	6.847593	6.917092	6.77988	6.788319
LILRA4	LILRA4	7.021213	7.149492	6.910389	7.055672	6.898015	7.090099	7.043642	6.988746	7.081687	7.153736	6.879844	6.862033
LILRA5	LILRA5	6.779944	7.050795	6.745398	6.935424	6.876807	6.953186	6.845415	6.905394	6.813294	6.970651	6.702077	6.833098
LILRA6	LILRA6	6.834549	7.001333	6.733948	6.992233	6.930571	6.983708	6.867489	6.925549	6.80638	6.993374	6.736943	6.802605
LILRB1	LILRB1	11.39205	12.32378	11.75138	12.2929	12.12326	12.0434	12.2218	11.53565	12.02538	11.67666	11.05885	11.76666
LILRB2	LILRB2	6.849711	7.029379	6.91847	7.038368	6.983956	6.916094	6.879823	6.925455	6.878309	6.922987	6.834048	6.797722
LILRB3	LILRB3	12.99068	13.72548	13.2176	13.67106	13.65705	13.52408	13.66325	13.23911	13.54463	13.17337	12.54727	13.20094
LILRB4	LILRB4	6.839934	7.069932	6.785193	7.013535	6.9701	6.902068	6.814413	6.888034	6.794532	6.939837	6.739267	6.758377
LILRB5	LILRB5	6.912829	7.044829	6.895212	7.04276	6.976398	6.936964	6.935047	6.935179	6.902779	6.937948	6.762925	6.895551
LILRP2	LILRP2	6.994095	7.18729	6.874873	7.052697	6.897662	6.964224	6.754887	6.930005	6.882619	7.026709	6.77027	6.756495
LIM2	LIM2	6.727337	6.948045	6.748322	6.867275	6.757313	6.866182	6.768412	6.809811	6.804741	6.849163	6.632369	6.643857
LIMA1	LIMA1	9.110587	9.435769	8.816603	9.56909	8.919279	9.128014	8.580259	8.797598	8.894267	8.296583	9.395081	8.975115
LIMD1	LIMD1	6.813253	7.052742	6.908023	6.998735	6.960619	6.902845	6.838987	6.923204	6.782251	6.830289	6.744351	6.777887
LIMD2	LIMD2	6.862188	7.093538	6.880209	7.129049	6.934654	6.962563	6.981097	7.020153	6.94381	6.978051	6.836606	6.805696
LIME1	LIME1	8.214852	8.638781	8.092445	8.695148	8.693128	8.576252	8.25817	8.118396	8.304605	8.038687	7.866093	7.862216
LIMK1	LIMK1	7.266856	7.68163	7.131258	7.301137	7.103628	7.091407	7.019403	7.050999	7.017204	6.983027	6.896093	6.862098
LIMK2	LIMK2	7.292148	7.494182	7.134689	7.521956	7.285114	7.390102	7.063874	7.112497	7.133897	7.108855	7.077829	7.031115
LIMS1	LIMS1	8.789283	9.422962	9.100667	9.261943	9.573545	8.993684	9.089084	9.117075	9.380536	9.101994	9.498746	9.266167
LIMS2	LIMS2	7.00413	7.248573	7.057369	7.173474	7.786647	9.177692	8.883171	9.24946	8.677051	9.361711	9.121268	8.478964
LIMS3	LIMS3	6.825002	7.045291	6.728538	7.031581	6.813861	6.910197	6.73134	6.936912	6.926381	6.97497	6.916414	6.851733
LIN10	LIN10	7.609731	7.823963	7.482113	7.659084	7.575093	7.708118	7.39654	7.633383	7.43729	7.712995	7.58951	7.412612
LIN28	LIN28	13.52623	13.94471	12.9337	12.75183	10.73916	8.109071	6.804088	6.884013	6.939898	6.794452	6.722792	6.752011
LIN28B	LIN28B	12.30542	12.62734	12.17656	12.85298	11.73709	9.952007	8.739464	8.192207	8.176858	7.429966	6.848765	6.940404
LIN41	LIN41	7.122466	7.370472	7.017541	7.157093	6.95652	6.946767	6.847674	6.864329	6.792055	6.917077	6.863934	6.800772
LIN7A	LIN7A	7.815724	8.486025	8.189818	7.422716	7.118257	7.73037	7.288189	7.288409	7.506249	7.527515	7.228554	7.457438
LIN7B	LIN7B	7.242341	7.54957	7.338051	7.972523	8.146478	8.980241	8.760797	8.874775	8.967074	9.124872	8.92957	8.631197

LIN7C	LIN7C	7.357829	7.515587	7.265468	7.479967	7.367214	7.280284	7.114696	7.111182	7.257141	7.163509	6.932755	7.151383
LIN9	LIN9	8.212558	8.44614	8.203637	8.346894	8.112201	9.55687	9.325901	9.779128	9.473031	9.780208	9.242279	8.736443
LINCR	LINCR	6.864528	6.996285	6.831699	6.996795	6.818034	6.893784	6.764613	6.919899	6.831374	6.960824	6.819814	6.866736
LINGO4	LINGO4	6.938761	7.162455	6.962045	7.055396	7.044707	6.871599	6.91445	6.988542	7.01685	6.959787	6.824134	6.971398
LINS1	LINS1	7.221657	7.469589	7.268374	7.499263	7.404911	7.669959	7.360222	7.384047	7.371174	7.339555	7.184871	7.189218
LIPA	LIPA	10.22161	10.12985	9.878919	9.442544	9.897065	9.487554	9.518688	9.75816	9.820528	8.943629	9.262432	8.853932
LIPC	LIPC	6.843448	7.053851	6.781696	6.872411	6.934866	6.958564	6.911346	6.888057	6.882209	6.889122	6.754873	6.750658
LIPE	LIPE	6.974213	7.169533	6.803954	7.105282	7.006048	7.217777	7.08591	7.140803	6.990311	7.254972	6.968882	7.086881
LIPF	LIPF	6.95361	7.179381	6.917326	7.00376	6.983474	7.061029	6.959941	6.918737	6.995084	7.000097	6.950655	6.818098
LIPG	LIPG	8.173708	8.405223	9.918258	10.66013	9.256978	7.568403	7.135719	7.362615	7.937071	7.661166	9.036083	8.527341
LIPH	LIPH	6.968003	7.212521	6.907544	7.043244	7.010041	7.115811	7.067147	7.05606	7.002174	7.054663	6.806021	6.937097
LIPI	LIPI	6.899619	7.034374	6.680523	6.979432	6.858691	6.981622	6.928331	6.944693	6.90405	6.843329	6.708715	6.755704
LIPK	LIPK	6.969037	7.153774	7.045169	7.129495	7.093207	7.230227	6.955295	7.027257	6.931026	6.929711	6.863763	6.837159
LIPL1	LIPL1	6.916825	7.001958	6.830798	7.050762	6.96404	7.1309	7.039383	7.033985	7.066928	7.013421	6.874842	6.883804
LIPL2	LIPL2	6.759472	7.082261	6.761947	7.062528	6.89158	7.09858	6.880987	6.843742	6.784079	6.904401	6.73084	6.912985
LIPL3	LIPL3	6.85856	7.055701	6.94568	6.974232	6.987179	7.173944	6.934548	7.028578	6.828745	7.077542	6.725264	6.886079
LIPT1	LIPT1	8.09741	8.360379	7.926391	7.690963	7.703348	8.072124	7.63259	7.721648	7.825162	7.724778	7.684665	7.578448
LITAF	LITAF	11.23268	12.41183	10.0114	10.63464	10.74926	10.16894	9.629179	9.993301	10.45071	9.839919	9.945358	9.367904
LIX1	LIX1	6.937898	7.218237	8.343088	9.809756	9.206619	9.73658	8.329194	7.819132	7.766339	7.38663	7.005062	7.012361
LIX1L	LIX1L	7.286271	7.374432	7.744958	8.103626	8.272583	9.127849	8.699753	8.814318	8.818528	8.863134	8.820674	8.551083
LKAP	LKAP	9.352175	9.372888	9.235121	9.626954	9.831211	9.818857	9.478544	9.691331	9.579175	9.540504	9.689865	9.77595
LLGL1	LLGL1	9.985692	10.25149	9.828513	10.02371	9.97051	9.516659	9.031081	9.162126	9.091658	8.853863	8.899993	8.530116
LLGL2	LLGL2	7.020719	7.119284	6.823749	7.177059	7.089281	7.101843	6.95556	7.029455	6.959185	7.027595	6.851872	6.906423
LMAN1	LMAN1	7.243006	7.450447	7.22547	7.530384	7.46896	7.648616	7.210568	7.391986	7.190947	7.408987	7.585907	7.674699
LMAN1L	LMAN1L	7.274068	7.483998	7.047037	7.212572	7.205554	7.315199	7.006607	7.209532	6.914106	7.169464	6.851984	7.03438
LMAN2	LMAN2	7.625368	7.855252	7.357034	7.781734	7.462738	7.71459	7.675705	7.460237	7.456254	7.721198	7.386902	7.657206
LMAN2L	LMAN2L	8.884774	9.508901	9.180535	9.661213	9.415644	10.01749	9.464026	9.718324	9.414922	9.552041	9.341927	9.346682
LMBR1	LMBR1	8.83438	9.362428	8.971271	9.276642	9.413496	10.25281	9.739365	9.745715	9.52415	9.555694	9.34481	9.04461
LMBR1L	LMBR1L	7.220543	7.423731	7.061111	7.414389	7.313541	7.2389	7.201385	7.260337	7.175117	7.059876	6.931447	7.164832
LMBRD1	LMBRD1	9.41392	9.725829	9.609379	9.731367	9.890164	10.11404	9.861917	10.20719	10.13173	10.19959	10.25001	10.49905
LMBRD2	LMBRD2	6.881864	7.112803	6.82708	7.147654	7.143708	7.648227	7.299012	7.278465	7.2398	7.272147	7.03018	7.217313
LMCD1	LMCD1	8.584364	9.482412	7.430033	9.244142	9.907188	9.815615	9.080259	9.141254	8.984073	8.603961	9.028124	8.213971
LMLN	LMLN	7.034989	7.358903	7.061579	7.234226	7.220076	7.267025	7.20878	7.237866	7.087739	7.178396	6.937518	7.249096
LMNA	LMNA	8.159745	9.297213	8.623822	9.282483	9.285167	10.60262	10.3439	10.4292	10.47478	10.47955	10.72243	10.86259
LMNB1	LMNB1	8.706771	9.579581	8.788952	8.381354	8.536704	8.287433	7.612951	7.590735	7.670223	7.425267	7.142202	7.386629
LMNB2	LMNB2	11.6743	11.88296	11.32072	11.62774	11.15789	10.43243	9.940594	9.845387	9.917861	9.654831	9.459483	9.108736

LMO1	LMO1	6.882844	6.994106	6.710997	6.974968	6.995197	6.833118	6.930827	7.019428	7.046545	6.974896	7.177439	6.950047
LMO2	LMO2	7.29946	7.401138	7.663171	8.555667	8.313559	8.231712	9.192899	8.524261	8.472519	7.90824	8.141725	7.138635
LMO3	LMO3	7.494604	7.274081	6.940385	8.40705	8.645003	7.318285	6.912698	7.04063	7.221812	6.946887	6.745162	6.85242
LMO4	LMO4	11.06976	11.67951	11.32025	11.13183	11.23025	12.05788	12.04348	11.98169	11.91138	11.86792	11.79953	11.45546
LMO6	LMO6	6.930839	7.090486	6.900107	7.035925	6.967753	6.96634	6.932471	6.946388	6.953656	6.933023	6.892551	6.898155
LMO7	LMO7	7.333359	7.063411	6.859628	7.447231	7.717057	9.38038	8.539983	8.559507	8.245184	8.577197	7.899421	8.030763
LMOD1	LMOD1	7.018594	7.149414	6.802678	7.205209	7.592017	8.311016	7.831699	7.934193	7.63289	7.675061	7.133362	7.148997
LMOD3	LMOD3	8.58168	9.296912	8.804503	9.20643	9.394471	9.282887	9.451098	9.276543	9.157051	9.248855	8.896681	9.082903
LMTK2	LMTK2	7.307199	7.579504	7.125123	7.311121	7.163506	7.385926	7.166711	7.274924	7.270079	7.347383	7.193799	7.396176
LMTK3	LMTK3	9.523802	9.847937	8.731544	8.794381	8.664795	7.763681	7.572884	7.656728	8.209313	7.71162	7.359194	7.347323
LMX1A	LMX1A	6.791103	7.004199	6.752416	6.998767	6.877286	6.927434	6.901087	6.89326	6.923628	6.872018	6.673565	6.764526
LMX1B	LMX1B	6.937348	7.080599	6.983408	7.069107	6.923777	7.078765	6.878913	6.968573	6.867755	6.957238	6.868676	6.773329
LNK	LNK	9.845098	9.789277	9.267315	8.640102	8.35171	8.125321	8.087086	8.270985	8.307445	8.138141	9.134865	9.123616
LNPEP	LNPEP	6.998664	7.249057	7.096036	7.34542	7.302295	7.696307	7.452219	7.533982	7.456345	7.559196	7.413167	7.5115
LNX1	LNX1	7.00678	7.147187	6.73137	7.179222	6.876332	7.035183	6.865838	6.918044	7.032283	7.028857	6.856463	6.90366
LNX2	LNX2	8.017555	8.706012	8.014003	8.454759	8.119164	8.664718	8.219601	8.271383	8.106548	8.229495	7.931165	8.313724
LOH11CR2	LOH11CR2	7.860378	7.929521	7.967295	8.664828	8.074604	7.970993	7.810225	7.949665	7.884949	7.830178	7.754833	7.577597
LOH12CR1	LOH12CR1	7.293443	7.48484	7.215587	7.365597	7.205802	7.39915	7.291005	7.308444	7.362727	7.370506	7.11134	7.328797
LOH3CR2A	LOH3CR2A	6.916652	7.286043	6.819587	7.408427	7.499689	7.229758	7.026391	7.18885	7.01207	7.020671	6.968884	6.877804
LONP2	LONP2	7.645017	8.098319	7.963626	8.423327	8.591305	9.155158	8.739626	8.858233	8.675779	8.811118	8.80062	8.976477
LONRF1	LONRF1	9.038034	9.072076	9.691343	8.569105	8.055389	8.011445	7.551299	7.866668	7.954415	7.749843	7.897524	7.793251
LONRF2	LONRF2	6.937332	7.441933	6.890466	7.172213	7.012144	7.322511	7.200371	7.25757	7.353057	7.598469	7.290593	7.400678
LONRF3	LONRF3	6.840786	6.994401	6.958245	6.987507	6.911565	6.94019	6.817475	6.916596	6.859609	6.933489	6.814657	6.85083
LOR	LOR	6.951912	7.089065	6.968397	7.139176	6.890996	6.838001	6.769221	6.960023	6.89292	6.868909	6.750461	6.687878
LOX	LOX	7.11574	7.633795	9.181204	8.68737	7.716378	7.466612	7.61122	8.424057	8.524327	9.08174	11.1961	9.9492
LOXHD1	LOXHD1	6.996052	6.96157	6.726258	7.019459	6.974009	7.098224	6.872995	6.950914	6.924653	6.982644	6.813168	6.833047
LOXL1	LOXL1	6.883065	7.110653	6.820314	7.351654	7.353485	7.181405	7.056832	7.262173	7.148788	7.145865	7.405029	7.193449
LOXL2	LOXL2	6.83337	7.114225	6.66448	6.954196	6.8848	6.880948	6.833405	6.895657	6.916597	6.851293	6.739477	6.739824
LOXL3	LOXL3	8.103547	8.130797	7.63925	7.913033	7.765061	7.828184	7.673148	7.825053	7.695623	7.507729	7.66044	7.498794
LOXL4	LOXL4	7.278096	7.313369	7.267417	8.272558	8.03998	7.685291	8.233195	8.338645	8.011729	7.97317	7.87852	7.400783
LPA	LPA	6.899441	7.115354	6.846476	7.067829	6.992146	7.028688	6.920106	6.993809	6.911019	7.004208	6.839538	6.962691
LPAL2	LPAL2	6.876513	7.05173	6.826376	7.044404	6.910215	6.908735	6.866505	6.907585	6.881527	6.96362	6.829285	6.852935
LPGAT1	LPGAT1	7.115616	7.284823	7.169603	7.556804	7.281205	7.609672	7.279713	7.333369	7.34679	7.272756	7.181251	7.363401
LPHN1	LPHN1	9.086934	9.103542	8.448997	8.259674	8.383234	8.174384	8.180085	8.324139	8.386359	8.087427	7.823517	7.654066
LPHN2	LPHN2	9.472118	9.969267	9.897591	10.41271	9.611522	9.027154	8.938485	8.70646	8.88146	8.558652	8.428642	8.323541
LPHN3	LPHN3	7.26198	7.632789	7.615284	8.023881	7.971823	8.126022	7.962014	7.958211	8.046022	7.965422	7.539043	7.444071

LPIN1	LPIN1	8.82491	8.388158	9.515983	9.716558	10.39559	11.06291	10.85243	11.16071	10.94992	10.87472	10.61317	10.23973
LPIN2	LPIN2	8.021413	8.191076	7.909674	8.22707	7.988976	7.901173	7.624907	7.649512	7.698424	7.655411	7.447591	7.641881
LPIN3	LPIN3	7.040976	7.226176	6.829449	7.168533	7.089457	7.416071	7.047175	7.012466	6.972744	7.102539	6.955785	7.148066
LPL	LPL	8.328689	7.576627	7.060377	7.58705	7.291192	7.611508	7.701749	7.963094	7.851133	8.6789	9.272995	10.17038
LPO	LPO	6.828685	7.095107	6.875123	7.030341	6.921228	6.793906	6.843788	6.852768	6.910557	6.986028	6.790225	6.864357
LPP	LPP	10.68826	11.31246	10.45492	11.56382	11.36961	12.03552	11.53576	11.66034	11.32187	11.25082	11.12455	11.16624
LPPR2	LPPR2	7.31563	7.4843	7.025768	7.309577	7.580246	8.07135	7.946465	8.2736	8.125424	8.293838	8.823951	8.213012
LPPR4	LPPR4	7.393182	7.658408	7.14878	8.348092	7.990376	8.279537	7.341423	7.226219	7.319598	7.165817	6.978371	6.847455
LPXN	LPXN	7.757267	8.09218	7.871196	8.296692	8.725195	9.263886	8.595343	8.501558	8.721913	8.447423	8.630573	8.898026
LRAP	LRAP	10.50456	11.24859	10.78318	11.06158	11.32382	11.30797	11.27842	11.18245	11.0209	11.14619	11.05063	11.01279
LRAT	LRAT	7.766576	7.938206	7.954044	7.570977	7.206706	7.240896	7.173771	7.084901	7.123249	6.989853	6.826747	6.809784
LRBA	LRBA	9.576564	9.532237	9.01984	10.26205	10.58499	9.638778	9.005745	9.206814	8.80225	8.940891	8.50883	8.590113
LRCH1	LRCH1	6.976197	7.258606	6.858818	7.290528	7.287755	7.837715	7.389213	7.35876	7.361851	7.199144	7.085638	7.140222
LRCH2	LRCH2	8.273386	8.413176	7.630609	9.584431	9.566907	9.532012	9.001577	9.048702	8.992759	8.844539	8.817658	9.104573
LRCH3	LRCH3	8.168053	8.301219	8.00343	8.479687	8.109988	8.291731	7.95628	8.103576	7.943186	7.883021	7.843031	7.954155
LRCH4	LRCH4	8.064197	8.148294	7.511158	8.326716	8.379304	8.34829	8.047146	7.854097	8.048564	7.801512	7.48946	7.810132
LRDD	LRDD	7.578277	7.746706	7.489356	7.849541	7.638183	7.775224	7.446919	7.413123	7.306403	7.390438	7.211746	7.198848
LRFN2	LRFN2	6.938608	7.042031	6.76858	6.93415	6.913206	6.978806	6.87445	6.957464	6.940297	6.993207	6.78123	6.781783
LRFN3	LRFN3	9.148561	9.184762	8.421041	9.112896	9.091293	8.50585	8.351964	8.474111	8.574973	8.370927	8.546393	8.717051
LRFN4	LRFN4	8.057444	8.125156	7.517154	7.562364	7.403784	7.763033	7.576793	7.554861	7.569482	7.649181	7.778571	7.428504
LRFN5	LRFN5	7.21239	7.029192	7.364231	9.416056	9.130316	7.914218	7.82379	7.63023	7.938201	7.414369	7.332859	7.267826
LRG1	LRG1	6.932973	7.253152	6.882942	7.177658	7.049047	6.994467	6.977318	7.063101	6.815681	6.922345	6.730519	6.871937
LRIG1	LRIG1	10.83758	10.47911	8.743874	8.424196	8.514066	8.8169	9.309964	9.478113	9.495249	9.611281	9.426429	9.876177
LRIG2	LRIG2	8.254877	8.518949	8.114208	8.321872	7.801539	8.130741	7.660203	7.597855	7.499525	7.690406	7.370002	7.557941
LRIG3	LRIG3	7.414446	7.601778	8.92181	8.552004	7.777137	7.23949	6.996036	7.15752	7.40266	7.117503	7.145856	7.389608
LRMP	LRMP	6.841943	7.002306	6.869008	6.950815	6.945536	6.943244	6.816618	6.862719	6.96802	6.869407	6.81782	6.889707
LRP1	LRP1	7.190264	7.582713	6.961488	7.273484	7.257329	7.149047	6.992202	7.080042	7.084455	7.105984	7.021291	6.979768
LRP10	LRP10	7.514704	7.742095	8.071356	8.14929	7.949228	8.269979	8.423715	8.705953	8.505012	8.928673	9.360675	9.052531
LRP11	LRP11	8.202211	8.602474	7.757072	9.00668	8.863013	7.875994	8.154941	8.169612	8.255109	8.149136	8.647753	8.45167
LRP12	LRP12	7.134103	7.23457	7.105539	7.356534	7.220393	7.438716	7.287424	7.27389	7.31447	7.285703	7.324331	7.376742
LRP16	LRP16	7.363231	7.235808	7.001837	7.522478	7.570634	8.475867	7.951899	8.329807	7.965392	8.434183	8.171872	7.917848
LRP1B	LRP1B	6.863153	7.04126	7.015466	9.068876	8.003627	7.44525	7.185357	7.173689	7.091648	7.113099	6.781318	6.855298
LRP2	LRP2	6.978683	7.048151	7.013824	7.676028	7.862901	7.065504	7.031892	7.333097	7.303309	6.906256	6.881149	6.850155
LRP2BP	LRP2BP	7.059185	7.339295	6.949185	7.194847	7.130327	7.121258	7.177788	7.16089	7.067107	7.162629	6.983249	6.829139
LRP3	LRP3	10.70239	10.82944	10.36021	10.76798	10.29414	9.463219	9.330997	9.160629	9.599328	9.221449	8.947226	10.00022
LRP4	LRP4	7.832701	8.01217	8.131528	8.280533	8.436539	7.864451	7.668056	7.695824	7.798912	7.504398	7.31831	7.276035

LRP5	LRP5	8.613171	8.79333	8.153217	8.695746	8.621489	8.301968	8.212617	8.233021	8.294796	8.086068	7.936944	8.023506
LRP5L	LRP5L	9.152565	8.965309	8.431349	8.947629	8.679136	8.380747	7.967163	7.816172	8.340861	7.645519	7.519666	7.567845
LRP6	LRP6	7.199762	7.433672	7.079261	7.360157	7.219996	7.446916	7.124871	7.172793	7.165745	7.133444	6.953036	7.10613
LRP8	LRP8	9.55401	8.786754	8.590789	7.532272	7.322765	7.673545	7.44474	7.586363	7.528818	7.421243	7.582115	7.267161
LRPAP1	LRPAP1	8.296286	8.618556	8.108281	8.671069	8.871603	9.607905	9.390185	9.485458	9.366514	9.807993	9.7273	9.974777
LRPPRC	LRPPRC	9.794444	9.936745	9.370285	9.927633	9.548699	10.00845	9.000786	9.298281	8.982355	9.350435	8.924323	8.966519
LRRC1	LRRC1	8.264917	8.415514	7.588244	8.443551	8.892009	8.421388	7.684833	7.883614	7.931298	7.948426	7.766626	7.683562
LRRC10	LRRC10	6.922054	6.951917	6.768739	6.989211	7.038322	7.73657	7.987422	8.070969	8.07978	8.331478	7.71079	8.207239
LRRC14	LRRC14	8.357016	8.777032	8.432478	8.593752	8.435818	8.707317	8.310121	8.065523	8.210421	8.285115	7.924015	8.226057
LRRC15	LRRC15	7.445216	7.498044	7.095502	7.247661	7.365254	7.613558	7.426047	7.612044	7.474475	7.589336	7.608825	7.731408
LRRC16	LRRC16	8.995966	9.283631	8.312252	8.681439	8.824302	9.751175	9.193739	8.674033	8.294159	8.062592	7.316203	7.567265
LRRC17	LRRC17	7.423506	7.332617	6.902004	7.113663	7.132707	7.15551	8.033155	8.771799	9.752113	9.176753	10.82365	10.71288
LRRC18	LRRC18	7.023967	7.03344	6.859862	7.128107	7.003258	6.94199	6.92775	6.784288	6.849289	6.919068	6.766029	6.815854
LRRC19	LRRC19	6.935681	7.116995	6.895827	7.187594	7.045945	7.09002	6.980026	7.061553	7.08311	7.120274	6.804873	7.027424
LRRC2	LRRC2	7.104912	7.145757	6.998754	7.143292	7.010805	7.046783	6.941509	7.078223	7.01278	7.148327	6.912577	7.030392
LRRC20	LRRC20	9.119598	8.883096	7.742099	8.073621	8.84697	10.07777	9.808137	9.799926	9.63004	9.544538	8.695463	8.759718
LRRC21	LRRC21	6.920156	6.947201	6.783592	6.990462	6.883864	6.929164	6.75033	6.81386	6.947371	6.848017	6.727215	6.797314
LRRC22	LRRC22	6.903026	6.987387	6.828725	7.030052	6.94088	7.042105	6.931045	6.845875	6.780792	6.946251	6.734379	6.814154
LRRC23	LRRC23	6.942904	7.237597	6.962043	7.30349	7.467601	7.767606	7.849156	7.859727	7.750411	8.136411	8.015155	8.29899
LRRC24	LRRC24	6.801352	7.037186	6.714227	6.925377	6.916227	6.991433	6.835405	6.909507	6.9594	6.97716	6.840682	6.889483
LRRC25	LRRC25	6.930725	7.098252	6.904674	7.14771	6.981597	7.064475	6.915883	6.958924	6.961415	7.036598	6.912146	6.887648
LRRC27	LRRC27	6.850061	7.094371	6.743355	6.993576	6.99909	6.983036	6.774667	6.912959	6.977366	6.963736	6.808957	6.84565
LRRC28	LRRC28	8.294438	8.320905	8.219222	8.47724	8.133711	8.382172	8.281004	8.448869	8.311374	8.421064	8.320042	8.247984
LRRC29	LRRC29	6.961011	7.098276	6.980453	7.167959	7.115471	7.111025	6.989024	7.107695	7.043622	7.140949	6.984101	7.048794
LRRC3	LRRC3	6.953926	7.200607	7.193923	7.339187	7.430387	7.205814	7.137757	7.201414	7.153463	7.050827	6.969254	6.987488
LRRC30	LRRC30	6.850813	6.983535	6.834075	6.9205	6.954397	6.962091	6.91006	6.937835	6.924202	6.975941	6.791038	6.81727
LRRC31	LRRC31	7.155353	7.420882	7.076457	7.27041	7.201827	7.26855	7.279063	7.127381	7.243793	7.222663	7.167114	7.158338
LRRC32	LRRC32	7.179857	7.308881	7.740948	10.87979	10.44466	7.97218	7.977981	7.680607	8.019902	7.37912	7.55683	7.27778
LRRC33	LRRC33	7.259393	7.24269	6.889324	7.000505	6.900661	6.828338	6.923339	6.862261	6.874752	6.911135	6.668984	6.697795
LRRC34	LRRC34	6.843924	7.068232	6.838797	7.108555	7.024079	7.051186	6.813924	7.028384	6.823448	6.93256	6.75803	6.853171
LRRC35	LRRC35	6.982541	7.329879	7.018874	7.136394	7.075946	7.16303	7.079371	7.08381	7.071944	6.92005	6.972331	6.934227
LRRC36	LRRC36	6.912191	7.129466	6.724194	7.009821	6.862132	6.902495	6.830663	6.889443	6.791202	6.892062	6.671572	6.762005
LRRC37A	LRRC37A	7.069913	7.322121	7.027305	7.37128	7.095209	7.221642	7.030923	7.189484	7.018684	7.184658	7.014537	7.068557
LRRC37A2	LRRC37A2	6.895829	7.170544	6.957507	7.126182	7.0555	7.0777	6.948045	7.020593	6.996382	6.998519	6.851517	6.895425
LRRC37B	LRRC37B	8.19222	8.436314	8.236313	8.400721	8.177585	8.472345	8.154847	8.085283	8.15839	7.916	7.758157	7.777877
LRRC38	LRRC38	7.190834	7.481497	7.251459	7.370449	7.20377	7.204504	7.158129	7.43684	7.512518	8.321212	8.296243	7.76867

LRRC39	LRRC39	6.983938	7.113841	6.792106	7.109976	7.470466	8.767789	8.960817	8.776694	9.373596	9.181541	8.146198	9.025414
LRRC3B	LRRC3B	7.181343	7.297804	7.351252	7.110787	7.106928	6.966971	6.896221	6.994427	7.019184	7.040927	6.748918	6.877472
LRRC4	LRRC4	6.825588	7.021309	6.836737	6.952453	6.919473	6.953821	6.80149	6.952795	6.92241	6.874811	6.803421	6.796258
LRRC40	LRRC40	7.92992	8.261644	7.812596	7.89607	7.803085	8.285292	7.837445	7.881167	7.911153	7.828218	7.768922	7.765685
LRRC41	LRRC41	8.511555	8.833699	8.644618	9.026249	9.231626	9.479796	9.025343	8.845237	9.055286	9.059948	8.562179	8.912806
LRRC42	LRRC42	11.38258	11.69953	11.15987	11.01249	11.31924	11.25225	10.78355	10.65889	10.79742	10.45983	10.56189	10.44673
LRRC43	LRRC43	6.836659	7.211103	6.923157	7.046782	7.063369	7.006715	6.952818	6.948038	6.958454	7.04168	6.797052	6.977323
LRRC44	LRRC44	7.001193	7.19436	6.861852	7.06915	7.118195	7.212726	7.046037	7.005941	7.011474	6.928493	6.823403	6.920695
LRRC45	LRRC45	7.64273	7.595768	7.205869	7.615511	7.419406	7.43148	7.242639	7.270641	7.174833	7.24588	7.074897	7.020932
LRRC46	LRRC46	6.942595	7.173105	6.846399	7.169136	7.186068	7.166368	6.87854	7.026788	6.997946	7.095541	6.914324	6.876426
LRRC47	LRRC47	9.53682	9.906547	9.048193	9.004507	9.289675	9.886255	9.431461	9.404227	9.309982	9.406653	9.338439	9.348826
LRRC48	LRRC48	6.883641	6.978767	6.835672	7.031	6.997359	7.077939	6.915136	6.987684	6.911655	6.981509	6.838245	6.927265
LRRC49	LRRC49	8.955226	9.587385	9.060132	9.308585	10.57312	12.85258	12.50982	12.58853	12.55527	12.70833	12.17755	11.58726
LRRC4B	LRRC4B	6.924145	7.024886	6.780265	7.019864	6.916442	7.030175	6.944486	7.066023	6.96475	6.873885	6.791332	6.855934
LRRC4C	LRRC4C	6.940762	6.98485	7.504722	7.439318	7.896316	7.569395	7.175194	7.008302	7.549275	7.060752	7.365315	7.004762
LRRC50	LRRC50	6.853859	7.083587	6.935621	6.985356	7.032177	7.126747	6.778712	6.961953	6.763157	6.83417	6.779418	6.69856
LRRC51	LRRC51	7.463466	8.030686	7.652931	7.678547	7.667005	7.466242	7.470865	7.312384	7.36094	7.32033	7.03615	7.207315
LRRC52	LRRC52	6.834797	6.947409	6.847121	7.038724	6.887193	6.996546	6.810754	6.943377	6.791111	6.755447	6.682416	6.839756
LRRC54	LRRC54	9.354784	9.361133	9.961803	10.05725	9.780152	9.180452	8.739005	8.716958	8.860492	8.25856	8.92353	8.770723
LRRC55	LRRC55	6.917926	7.066773	6.795535	6.921315	6.863451	6.979648	6.793302	6.890426	6.858528	6.961018	6.778649	6.844853
LRRC56	LRRC56	7.26604	7.366524	7.206134	7.304854	7.44797	7.283882	7.092869	7.227515	7.232657	7.108162	6.947869	7.028576
LRRC57	LRRC57	7.679057	8.119665	7.981447	7.977885	7.868981	8.009291	7.819231	7.682409	7.758162	7.808033	7.618343	7.719285
LRRC58	LRRC58	8.292433	7.94087	7.700229	8.216245	7.927047	7.696792	7.675969	7.75752	7.640386	7.559961	7.156672	7.805219
LRRC59	LRRC59	7.221389	7.50523	7.066404	7.340392	7.179635	7.495658	7.280581	7.147728	7.240861	7.203865	7.122597	7.450193
LRRC6	LRRC6	7.071874	7.432082	7.195119	7.319657	7.348509	7.180043	7.080003	7.088349	7.068302	7.043303	6.783344	6.832991
LRRC61	LRRC61	6.86371	7.051697	6.701231	6.938063	6.984777	6.966186	6.851612	6.995048	6.928881	6.924018	6.925493	6.855287
LRRC7	LRRC7	6.794577	6.870552	6.842782	6.998379	6.953964	6.891503	6.682991	6.923035	6.85049	6.825036	6.80249	6.768592
LRRC8A	LRRC8A	9.116407	9.644718	8.834079	8.656844	8.348506	8.202462	7.970888	8.253353	7.988218	8.033695	8.293943	7.848142
LRRC8B	LRRC8B	7.000273	7.430026	6.896533	7.078203	6.949213	6.995849	6.884039	7.047211	7.02371	6.996762	6.855389	6.82101
LRRC8C	LRRC8C	7.112632	7.277125	7.024501	7.369431	7.220041	7.577942	7.439275	7.611912	7.4391	7.62087	7.920686	7.748805
LRRC8D	LRRC8D	8.47758	8.920095	8.028749	8.193839	7.938574	7.827179	7.585659	7.629172	7.558609	7.660353	7.840514	7.496146
LRRC8E	LRRC8E	7.187268	7.518659	7.043667	7.288135	7.229665	7.22108	7.131827	7.181531	7.177672	7.207907	7.128944	7.198962
LRRCC1	LRRCC1	8.0344	8.358727	7.96601	7.807363	7.659882	7.874418	7.61506	7.581921	7.626335	7.566675	7.159143	7.256034
LRRFIP1	LRRFIP1	9.119283	9.752739	9.371013	9.429124	9.82433	9.691231	9.790441	9.615369	9.653342	9.61352	9.896131	9.719029
LRRFIP2	LRRFIP2	8.173637	8.553623	8.147266	8.6435	8.429274	9.484574	9.218574	9.34661	9.142358	9.480875	9.31279	9.696242
LRRIQ1	LRRIQ1	6.921535	6.948076	6.932295	7.121612	6.90028	6.871425	6.867002	6.830954	6.890931	6.869514	6.745597	6.873032

LRRIQ2	LRRIQ2	6.92137	7.127955	6.840694	7.125357	6.938882	6.896787	6.899365	6.931043	6.970717	6.949377	6.81748	6.884053
LRRK1	LRRK1	6.983566	7.045845	6.832746	6.972896	6.847074	6.890292	6.718811	6.908376	6.928313	6.971291	6.847182	6.791521
LRRK2	LRRK2	6.848578	7.037192	6.81791	7.095914	6.956472	7.087158	7.011098	7.104218	6.943067	6.986415	6.788087	6.887433
LRRN1	LRRN1	10.67494	10.73532	9.368414	9.275857	8.036839	7.141089	6.844338	7.002562	8.097502	7.356302	6.80231	6.916157
LRRN3	LRRN3	6.954374	7.243399	7.176906	8.535046	9.971765	8.465571	7.679641	7.498203	7.949265	7.027665	6.890307	6.864017
LRRN5	LRRN5	7.514258	7.946858	8.251312	8.305783	9.839306	7.554166	7.543155	7.623636	8.200832	7.427692	7.141041	7.091864
LRRN6A	LRRN6A	8.829683	9.201975	7.456867	7.952439	7.840531	7.967202	7.672288	7.705337	7.813021	7.555724	7.28976	7.113269
LRRN6C	LRRN6C	7.721715	7.330414	7.319349	7.377307	7.50238	7.570591	7.348087	7.405386	7.635711	7.249844	7.479933	7.821093
LRRTM1	LRRTM1	6.932606	7.184882	7.406898	7.487819	7.376808	7.097955	7.003364	7.068393	7.038713	6.93419	6.829756	6.801572
LRRTM2	LRRTM2	6.915013	7.205861	6.901507	7.108911	6.906779	7.104945	6.88187	6.893696	6.950181	7.03222	6.812319	6.797072
LRRTM3	LRRTM3	6.90276	6.986168	6.794426	6.962315	6.833807	7.057745	6.915176	6.90616	6.888238	6.970789	6.792175	6.844001
LRRTM4	LRRTM4	7.910687	8.338898	7.42863	8.157211	8.05067	7.705937	7.699033	7.526192	7.55438	7.438851	7.345561	7.482629
LRSAM1	LRSAM1	8.347091	8.516776	7.495801	7.999249	8.036249	8.822576	8.715191	8.661591	8.678226	8.695808	8.148583	8.609187
LRTM1	LRTM1	6.931481	7.111743	6.872402	7.034134	6.998434	6.966311	6.810135	6.98705	7.308166	7.05144	6.86662	6.859046
LRTM2	LRTM2	6.90991	7.138346	6.963126	7.120311	6.907016	7.251096	6.909843	6.932301	6.89385	7.028139	6.842718	6.949346
LSAMP	LSAMP	7.267157	8.147406	7.408842	8.120086	8.198584	7.807991	7.685634	7.604994	7.77645	7.405404	7.227981	7.390146
LSDP5	LSDP5	7.241824	7.618672	7.198804	7.611488	7.592039	7.654541	7.663642	7.385075	7.423357	7.355438	7.167044	7.408882
LSG1	LSG1	8.470143	8.781849	8.111072	8.226559	7.954472	8.359356	7.792906	7.833238	7.87356	7.989525	7.798945	7.904905
LSM1	LSM1	12.07042	12.49256	12.15405	12.27757	12.41278	13.20389	12.77483	12.75545	12.75851	12.79436	12.76061	12.61222
LSM10	LSM10	9.107972	9.537476	8.913535	8.876983	8.879982	9.588742	9.43562	9.399661	9.535113	9.659444	9.757688	9.182631
LSM11	LSM11	6.927957	7.039266	6.989192	7.146552	7.038421	7.018851	6.950638	6.999073	7.039958	6.933953	6.904329	7.218451
LSM12	LSM12	9.154566	9.359806	8.779283	9.001056	8.47813	8.838657	8.367819	8.595685	8.458499	8.483273	8.468903	8.463313
LSM14A	LSM14A	12.13771	11.84359	11.6593	11.80422	11.49912	11.85758	11.08274	11.00024	10.87791	10.82217	10.36097	10.89912
LSM14B	LSM14B	7.440683	7.763028	7.285161	7.590342	7.393198	7.425617	7.436568	7.321721	7.405169	7.439891	7.193602	7.34165
LSM16	LSM16	8.280782	8.439047	7.934093	8.406557	8.164112	7.839251	7.836713	7.990757	7.813304	7.908301	7.891589	7.73156
LSM2	LSM2	12.33697	12.72071	11.94751	11.91768	11.43099	11.31031	11.32617	11.05864	11.35928	11.31553	10.9272	10.92091
LSM3	LSM3	11.78416	12.63003	11.9697	11.62227	11.43165	11.98623	11.56004	11.55165	11.76993	11.85392	11.64948	10.78812
LSM4	LSM4	11.93711	12.18548	11.39723	11.70828	11.31738	11.77558	11.17477	11.2776	11.0771	11.36647	11.1948	10.80663
LSM5	LSM5	11.31583	11.9017	11.23571	10.96429	11.21186	10.87913	10.53533	10.43025	10.79067	10.50086	10.50434	9.599349
LSM6	LSM6	8.132804	8.750249	8.103455	7.837949	7.732576	7.312404	7.586374	7.274695	7.684702	7.363593	7.324878	7.309017
LSM7	LSM7	11.62965	12.19631	11.72156	11.49731	11.34532	11.12156	10.81529	10.69168	11.01126	10.96847	10.9593	10.19455
LSM8	LSM8	8.780617	9.165143	8.824584	9.045687	9.271567	9.65086	8.832041	8.751968	8.708429	8.376944	8.006414	7.933183
LSMD1	LSMD1	8.011957	8.874071	8.789571	8.865105	8.922643	9.755379	9.611321	9.235641	9.531316	9.535475	9.250201	8.955042
LSP1	LSP1	6.88931	7.279336	6.953163	7.126979	7.101738	7.081315	7.118534	7.111336	7.088863	7.165499	7.119532	7.027301
LSR	LSR	7.471608	7.674472	7.261356	7.288105	7.066482	7.232417	6.982318	7.063448	7.034979	7.090986	6.861181	6.963569
LSS	LSS	8.94781	8.974493	8.462931	8.98409	8.903564	8.743905	8.416901	8.553785	8.5549	8.311821	8.295178	7.790627

LST1	LST1	6.90383	7.087834	6.849163	7.105637	7.032383	7.067095	6.931588	7.041643	6.920405	6.982874	6.842387	6.870898
LST-3TM1	LST-3TM1	6.801039	7.094557	6.782444	7.064237	6.956001	6.930072	6.84564	6.939106	6.842331	6.962181	6.80521	6.911479
LTA	LTA	6.949602	7.264859	7.069348	7.25739	7.215011	7.844702	7.102792	7.129434	7.307169	7.155512	7.11791	7.145105
LTA4H	LTA4H	12.70087	12.74168	11.57193	11.71576	11.78001	11.55928	11.36796	11.24396	11.37808	11.10237	10.93977	11.22912
LTB	LTB	6.865162	7.060808	6.833774	7.041247	6.868933	6.89101	6.806351	6.924401	6.829532	6.902625	6.737805	6.755609
LTB4DH	LTB4DH	9.86271	10.47222	9.970036	9.894595	9.591586	9.778708	9.581036	9.72862	9.616302	9.557563	9.604796	9.121426
LTB4R	LTB4R	7.312815	7.485253	7.247006	7.291848	7.186801	7.114364	6.863539	7.009842	7.012706	7.096765	6.891158	6.882797
LTB4R2	LTB4R2	6.914249	7.058195	6.900199	7.020291	6.955413	7.170253	6.90274	6.922506	6.813168	6.93064	6.891095	6.831989
LTBP1	LTBP1	6.955753	7.198196	6.955284	7.218513	7.099879	7.406436	7.315553	7.33281	7.264687	7.296297	7.175144	7.25317
LTBP3	LTBP3	7.252835	7.428499	6.984366	7.27132	7.308508	7.707201	7.628084	8.02202	7.828377	7.925488	8.335377	8.146644
LTBP4	LTBP4	7.472172	7.34394	7.154777	7.398489	7.390727	7.297446	7.312929	7.548873	7.455708	7.383874	7.591052	7.100735
LTBR	LTBR	6.971902	7.222141	6.812614	7.079946	6.891907	6.954343	6.908548	6.898251	6.956504	6.866817	6.869611	6.926517
LTC4S	LTC4S	6.904461	7.041356	6.783721	6.959643	6.986043	7.026664	6.870041	6.926574	6.832747	6.947914	6.765404	6.834046
LTF	LTF	6.92464	7.07142	6.893388	7.017716	6.883888	6.989376	6.997117	6.985576	6.950941	6.984782	6.867201	6.805766
LTK	LTK	6.853173	7.073525	6.889043	7.02622	7.003229	7.077967	6.863548	6.963384	6.905468	6.906684	6.852431	6.947767
LTV1	LTV1	10.38334	10.68611	10.24274	10.07722	9.649682	9.93389	9.411183	9.316661	9.484234	9.510198	9.246253	9.168289
LUC7L	LUC7L	8.585134	8.976112	8.377931	8.737377	8.383792	8.258274	8.032912	8.065988	8.139221	7.857051	7.65953	7.600361
LUC7L2	LUC7L2	7.41591	7.630832	7.331907	7.593011	7.596511	7.903562	7.534847	7.543425	7.43431	7.558239	7.275412	7.338929
LUM	LUM	6.83135	7.025671	7.884503	12.81835	12.94806	10.5581	9.839994	10.10266	10.47311	9.246263	10.15218	10.14364
LUZP1	LUZP1	11.49402	11.56139	11.30647	11.98073	11.19249	11.25684	10.76017	10.90171	10.63756	10.66265	10.60437	10.51375
LUZP2	LUZP2	7.025354	7.234052	6.94522	7.187353	7.020243	7.297401	7.059217	7.028838	7.077267	7.039054	7.108678	7.04549
LUZP4	LUZP4	6.821679	7.043548	6.786883	6.941483	6.919707	6.820604	6.783325	6.835915	6.912793	6.90338	6.804565	6.799337
LW-1	LW-1	6.856868	7.184339	6.892362	7.144697	7.118524	6.986679	6.892891	6.97216	6.955989	7.058867	6.824715	7.079108
LXN	LXN	8.318418	9.110735	8.801139	9.0037	9.231593	10.03263	9.723576	9.984018	10.25086	9.715589	10.50596	9.463357
LY6D	LY6D	6.856959	6.978575	6.831225	7.004132	6.823522	6.96909	6.902259	6.875825	6.797265	6.889568	6.748789	6.761841
LY6E	LY6E	9.349655	9.403539	9.871183	9.920858	9.740198	9.463209	9.080203	9.011789	9.148474	8.923681	8.911081	8.383314
LY6G5B	LY6G5B	7.120976	7.251482	6.894258	7.172035	7.073619	7.125791	7.100357	7.175141	7.025918	7.004537	6.829014	6.888075
LY6G5C	LY6G5C	6.939389	7.119454	6.892435	7.028291	6.936431	7.084381	6.966307	7.005043	6.967357	6.977715	6.836282	6.898241
LY6G6C	LY6G6C	6.888243	7.029946	6.768498	7.066554	6.95663	6.934523	6.995504	6.854424	7.012137	7.029743	6.916512	6.978549
LY6G6D	LY6G6D	6.993684	7.075252	7.173482	7.925867	7.226296	6.929882	7.065526	6.938537	6.862538	6.988403	6.841565	6.816149
LY6G6E	LY6G6E	6.807712	7.073307	6.71363	6.963234	6.867698	6.927978	6.769284	6.912256	6.773441	7.02773	6.726103	6.872018
LY6H	LY6H	7.014825	7.241104	7.028439	7.592224	9.04887	7.330058	7.242823	7.179998	8.666165	7.08133	6.858653	6.931698
LY6K	LY6K	6.861885	7.134122	6.788681	7.124956	6.815	6.947895	6.961678	6.93294	6.798964	6.960203	6.777289	6.731988
LY75	LY75	6.905398	7.049147	6.795036	6.951521	6.867155	6.999203	6.854198	6.83909	6.80953	6.892865	6.768853	6.772752
LY86	LY86	6.916438	7.009225	6.794535	7.077019	6.831135	6.771715	6.894357	6.921292	6.845942	6.968459	6.743187	6.74771
LY9	LY9	6.88044	7.020516	6.796251	6.918863	6.88486	6.913599	6.821774	6.897196	6.810689	6.888532	6.778482	6.837859

LY96	LY96	7.049603	7.549985	7.17424	7.28212	7.40523	7.781767	7.548893	7.574217	7.708869	7.687307	7.815718	7.48284
LYAR	LYAR	10.24468	10.50408	9.832954	9.514578	8.984567	8.785656	8.293208	8.281032	8.303682	8.220376	8.554932	8.187535
LYCAT	LYCAT	8.79177	9.215574	8.981799	9.531845	9.421694	9.790672	9.267014	9.320144	8.915117	9.029153	8.727154	8.646924
LYG2	LYG2	6.804434	7.148697	6.707621	7.049497	7.058906	6.954509	6.895165	7.054855	6.932609	6.901926	6.699401	6.966782
LYK5	LYK5	8.991399	9.132967	8.510409	8.601264	8.466945	9.162249	8.651841	8.542808	8.668047	8.532589	8.197214	8.371443
LYL1	LYL1	7.21101	7.204198	8.079459	8.833878	8.877017	8.76441	8.674248	8.433444	8.576856	8.524942	8.166104	8.042185
LYN	LYN	10.29186	10.30392	9.998324	10.87102	9.984471	10.22396	9.267972	9.19443	8.824561	8.929468	8.884204	8.961291
LYNX1	LYNX1	6.845628	7.025659	6.813385	6.972765	6.871458	6.977376	6.873415	6.913231	6.918603	6.930716	6.795573	6.785918
LYPD1	LYPD1	7.252773	7.909576	7.689101	7.727863	7.462352	7.76353	7.404847	7.514724	8.128357	7.907452	8.882474	7.885982
LYPD2	LYPD2	6.969703	7.15741	6.917729	7.157817	7.061934	7.225528	7.190867	7.092557	6.914107	7.030112	6.871433	6.972568
LYPD3	LYPD3	7.128494	7.23802	6.981309	7.031522	6.974925	7.218001	6.878761	7.054256	6.918821	7.060223	6.890251	7.007453
LYPD4	LYPD4	6.870452	7.216739	6.858129	7.21219	7.042413	7.203029	6.968879	7.05832	6.993225	7.055618	6.949136	6.913937
LYPD5	LYPD5	6.940185	7.133855	6.871605	7.02082	7.001228	7.086334	6.893083	6.943817	6.948625	6.97511	6.855173	6.826717
LYPLA1	LYPLA1	9.061871	9.451154	8.994543	8.927075	8.626265	10.2339	9.474686	9.471071	9.236814	9.085565	8.935374	8.915206
LYPLA2	LYPLA2	9.103017	9.146245	8.619858	8.742981	8.260544	8.47555	8.10365	8.439502	7.965055	8.438368	8.419437	8.055975
LYPLA2P1	LYPLA2P1	8.040115	8.130312	7.601435	7.751988	7.465043	7.625024	7.433548	7.585051	7.320963	7.484203	7.511755	7.262346
LYPLA3	LYPLA3	7.311794	7.530651	7.398493	7.672253	7.751215	7.907798	7.993919	8.216645	8.202737	8.521837	8.588592	8.626659
LYPLAL1	LYPLAL1	9.206253	10.17441	9.42559	9.321052	9.628363	10.38395	10.13778	10.31393	10.25154	10.34995	10.36285	9.990338
LYSMD1	LYSMD1	7.329365	7.762968	7.186081	7.629764	7.647674	8.01512	7.907999	7.661262	7.87481	7.794199	7.28932	7.705255
LYSMD2	LYSMD2	8.367954	9.081343	8.156243	8.412956	8.32695	9.566502	9.333432	9.581827	9.546793	9.544034	9.465689	8.797671
LYSMD3	LYSMD3	7.008879	7.20596	6.85477	7.207233	7.062899	7.135156	7.137458	7.050219	7.11137	7.104348	6.931713	6.992329
LYSMD4	LYSMD4	9.052347	9.400687	8.718261	8.668844	8.540504	8.85668	8.76438	8.746559	8.706606	8.733068	8.095733	8.431104
LYST	LYST	6.832544	6.932634	6.77257	7.081118	6.987345	7.089931	6.992553	7.066345	7.040049	7.0155	6.944276	6.971128
LYZ	LYZ	7.190639	7.361481	7.112437	7.311349	7.115074	7.168183	7.180303	7.229773	7.291918	7.266018	6.985801	7.136706
LYZL1	LYZL1	6.888053	7.143396	6.84706	7.073382	7.048567	7.127274	6.880188	6.941002	6.825098	6.955799	6.855394	6.844879
LYZL2	LYZL2	6.878805	7.05175	6.86363	7.059159	6.901389	6.885086	6.873951	6.979031	6.898274	6.926377	6.740337	6.933103
LYZL4	LYZL4	6.806698	7.127492	6.859736	7.112272	7.005542	7.2588	7.094946	7.123386	7.133253	7.045632	6.877473	6.89722
LYZL6	LYZL6	6.916987	7.065847	6.804394	7.16375	7.049731	7.033629	6.841647	6.930513	6.939171	7.046859	6.778856	6.853863
LZIC	LZIC	7.773389	8.510386	8.334387	8.584796	8.471331	9.315768	8.666411	8.811152	8.931418	8.766519	8.478311	8.963117
LZTFL1	LZTFL1	7.807462	8.099846	8.32296	9.084213	8.733394	8.442026	8.129412	8.042903	8.285758	8.067265	7.967856	7.763517
LZTR1	LZTR1	8.87457	9.239898	8.785374	9.651872	9.754561	9.676915	9.717362	9.72369	9.714562	9.675621	9.92653	9.512983
LZTR2	LZTR2	6.831473	7.067429	6.86064	6.926528	6.885391	6.939665	6.856751	6.885793	6.89059	6.8591	6.694725	6.755907
LZTS1	LZTS1	7.520899	7.706906	9.342565	7.833585	7.607386	7.369435	7.080065	7.240241	7.403968	7.175089	7.021774	6.98863
LZTS2	LZTS2	8.027602	8.042359	7.700214	8.036965	8.010224	7.932328	7.824348	7.715043	7.76346	7.671565	7.567153	7.816522
M160	M160	6.844706	7.102296	6.892788	7.060662	7.133164	7.01847	6.822623	6.891163	6.956016	6.899209	6.818721	6.779051
M6PR	M6PR	10.16262	10.49451	9.857323	9.94388	9.759034	10.51615	9.785076	9.97693	10.0254	10.02841	9.85132	10.20581

M6PRBP1	M6PRBP1	10.84787	11.62996	10.83733	11.16541	11.32615	11.56769	11.42245	11.24941	11.28132	11.36368	11.66521	10.76903
MAB21L1	MAB21L1	6.985757	7.123706	6.795864	7.030888	6.980347	7.090546	6.902697	6.887244	6.979297	6.937123	6.837383	6.843932
MAB21L2	MAB21L2	6.865208	7.178105	7.02744	10.62208	11.36453	9.04685	7.692571	7.586178	7.924241	7.321551	7.200247	7.44535
MACF1	MACF1	8.979699	9.045021	8.304567	9.256053	9.065881	9.734574	9.393529	9.583735	9.367631	9.261355	8.811303	8.760842
MAD1L1	MAD1L1	7.231128	7.358986	7.164628	7.502174	7.333758	7.511242	7.267342	7.3222	7.185179	7.317216	7.276652	7.400684
MAD2L1	MAD2L1	10.56601	10.92702	10.65082	10.25462	9.967562	9.664588	9.133207	9.064107	9.114259	8.776018	8.431185	7.712899
MAD2L1BI	MAD2L1BI	8.700014	8.946662	8.629796	8.585638	8.483466	9.484929	8.805155	8.877301	8.925183	8.851071	8.821104	8.638257
MAD2L2	MAD2L2	12.57121	13.14182	11.38652	11.07688	10.97696	10.46019	10.29743	10.41266	10.39829	10.4152	10.80602	10.37614
MADCAM1	MADCAM1	7.036119	7.197983	6.873848	7.070549	6.930758	7.018521	6.903357	6.95235	6.894608	6.953913	6.770728	6.887537
MADD	MADD	7.63329	7.861384	7.313829	7.798628	7.686467	8.157057	7.940274	7.781643	7.844994	7.793183	7.408913	7.74555
MAEA	MAEA	10.44955	10.71658	10.08834	10.22787	10.02361	10.77621	9.983372	10.14777	9.990029	9.879705	10.07023	10.01241
MAEL	MAEL	6.864664	7.051228	6.822619	6.980425	6.962194	6.947978	6.913667	7.071195	6.884417	6.969633	6.762857	6.868612
MAF	MAF	6.871655	7.038537	6.837761	7.020325	6.937112	7.016036	6.880846	6.878589	6.886609	6.925466	6.874797	6.855472
MAF1	MAF1	8.024627	8.325798	7.714683	7.999119	7.79947	8.434062	8.222427	8.473571	8.167288	8.543313	8.704396	8.158258
MAFA	MAFA	7.56566	7.948614	7.440824	7.754271	7.619447	7.913226	7.79544	7.680201	7.953674	7.742133	7.478776	7.924654
MAFB	MAFB	7.81101	7.7817	7.663206	7.93639	7.843346	8.953824	7.585184	7.618742	8.752471	7.504033	7.09746	7.261196
MAFF	MAFF	7.610753	8.066362	7.47898	7.719944	7.475164	7.923572	7.336825	7.314755	7.408158	7.46639	7.536068	7.559258
MAFG	MAFG	7.736435	7.97681	7.491901	7.674172	7.565083	7.78662	7.546323	7.655311	7.594374	7.699777	7.703248	7.498543
MAFK	MAFK	6.959411	7.16537	6.823791	7.023878	6.988189	7.078455	6.971085	7.010261	6.956241	7.030689	6.837211	6.942523
MAG	MAG	6.973858	7.058157	6.761084	6.969815	7.12431	6.897752	6.872192	6.884331	6.859968	6.929945	6.751881	6.888859
MAGEA1	MAGEA1	6.923396	7.140183	6.828401	7.057824	7.004498	7.022759	6.963302	7.004211	6.968524	6.953325	6.862395	6.889578
MAGEA10	MAGEA10	6.820034	6.985076	6.783426	6.94308	6.896734	7.00168	6.853463	6.900851	6.883117	6.882679	6.678895	6.827579
MAGEA11	MAGEA11	6.914981	7.081109	6.873167	7.056289	6.968156	7.043944	6.903073	6.975444	6.941061	7.002779	6.859049	6.882459
MAGEA12	MAGEA12	6.94015	7.118276	6.938863	7.147943	6.93558	7.102036	6.956715	7.044814	6.984229	7.036497	6.905306	6.936681
MAGEA2	MAGEA2	6.818617	7.075127	6.810256	7.042245	7.019003	6.963588	6.842731	6.865906	6.855846	6.920861	6.767706	6.86088
MAGEA2B	MAGEA2B	6.946456	6.967462	6.78419	7.027422	6.870567	6.983989	6.845236	6.930132	6.910016	7.03837	6.71262	6.849806
MAGEA3	MAGEA3	6.777148	7.061006	6.823504	7.065276	6.876801	7.105545	6.859945	6.996204	6.881591	6.9452	6.750519	6.8772
MAGEA4	MAGEA4	6.797195	7.070387	6.780926	6.983259	6.979853	6.90007	6.840505	6.923862	6.879058	6.967933	6.776905	6.849574
MAGEA5	MAGEA5	7.026358	7.026951	6.863858	7.107243	6.985499	7.053435	6.867456	6.922916	6.935824	6.870288	6.842442	6.876832
MAGEA6	MAGEA6	6.969043	7.116025	6.894834	7.089342	6.973151	6.974657	6.855322	6.928371	6.948864	6.906873	6.835213	6.884352
MAGEA8	MAGEA8	6.804088	7.03022	6.814378	7.063811	6.904449	7.048869	6.879635	6.909154	6.847967	6.868986	6.840485	6.788408
MAGEA9	MAGEA9	6.743462	6.980892	6.860663	7.011591	6.997356	6.933522	6.935811	6.883011	6.869775	6.936852	6.722968	6.929741
MAGEB1	MAGEB1	6.816912	7.016327	6.792857	6.971797	6.91309	7.000933	6.862991	6.93258	6.875935	6.885173	6.770329	6.866592
MAGEB10	MAGEB10	6.918723	7.002274	6.700286	6.894298	6.870472	7.042042	6.752857	6.799185	6.964291	6.958848	6.676865	6.752829
MAGEB18	MAGEB18	6.808981	7.128538	6.895536	6.998228	6.995695	7.078192	7.063389	6.962816	6.984931	6.946014	6.868609	6.846291
MAGEB2	MAGEB2	6.856035	7.09654	6.831018	7.002023	7.029039	7.003754	6.892675	6.885763	6.869692	6.906867	6.916398	6.842406

MAGEB3	MAGEB3	6.951253	7.139031	6.954522	7.194615	7.060513	7.150091	7.057707	7.088474	7.083131	7.094116	6.914418	7.003606
MAGEB4	MAGEB4	6.998056	6.939552	6.719793	6.813538	6.815251	6.769983	6.69812	6.889893	6.690956	6.838964	6.755547	6.689282
MAGEB5	MAGEB5	6.814332	7.042772	6.75755	6.986794	6.993368	7.031567	6.897915	6.906944	6.966513	6.886765	6.846415	6.862928
MAGEB6	MAGEB6	6.898082	7.103897	6.787383	7.03562	6.956732	6.961295	6.909272	6.967973	6.973962	6.887625	6.805188	6.926296
MAGEB6B	MAGEB6B	6.913459	7.115146	6.860847	7.183449	6.989694	7.121029	6.91802	6.923989	6.970177	6.956048	6.731906	6.913166
MAGEC1	MAGEC1	6.894333	7.13478	6.836012	7.017248	6.894163	6.988048	6.891999	6.942137	6.957069	6.921231	6.835903	6.909064
MAGEC2	MAGEC2	6.870307	7.119934	6.872543	7.150094	6.993768	7.011446	6.916649	6.940791	6.912669	6.962828	6.861418	6.841221
MAGEC3	MAGEC3	6.813799	7.004975	6.696416	6.992871	6.907793	6.905219	6.859657	6.90169	6.864546	6.892608	6.730329	6.828728
MAGED1	MAGED1	10.6417	10.93748	11.54084	11.99835	12.11608	12.04722	11.74416	11.91617	11.75651	11.82998	11.96048	11.61203
MAGED2	MAGED2	7.770976	8.188389	8.173443	8.871095	8.550076	9.067321	8.874901	8.920747	8.84797	8.895137	8.396356	8.425297
MAGED4	MAGED4	7.139776	7.497864	7.154313	7.39388	7.258521	7.26626	7.301564	7.170373	7.154361	7.190536	7.029099	7.038826
MAGEE1	MAGEE1	8.721683	8.664463	7.912855	8.123298	8.315814	8.113162	8.058476	8.036561	8.225411	8.043095	7.925977	8.414859
MAGEE2	MAGEE2	6.777925	7.049918	6.877433	7.041178	6.999605	7.139385	6.878123	7.026031	6.834087	6.921451	6.87558	6.857704
MAGEF1	MAGEF1	7.997347	8.237789	8.05253	8.18482	8.261703	9.478958	8.632423	8.76122	8.509421	8.828783	8.573616	8.80577
MAGEH1	MAGEH1	7.484382	7.775565	7.577996	7.996452	7.999452	8.298967	8.218088	8.068455	8.167154	8.17764	7.813807	8.047206
MAGEL2	MAGEL2	7.622411	7.794154	7.478966	7.792539	7.828941	7.977143	7.575261	7.662918	7.79657	7.555112	7.633215	7.502631
MAGI1	MAGI1	7.127199	7.346249	6.935627	7.139322	7.05392	7.455303	7.203053	7.262809	7.236205	7.275924	7.052558	7.01924
MAGI2	MAGI2	6.820481	7.187235	6.801101	6.94396	6.996891	7.152923	6.97045	6.934084	6.870556	6.886901	6.725362	6.820887
MAGI3	MAGI3	6.959194	6.960401	6.938747	7.276661	7.149468	7.326717	7.170573	7.247539	7.15049	7.234	7.041897	7.206188
MAGMAS	MAGMAS	9.999667	10.35114	9.889193	9.767115	9.681154	10.39935	9.705381	9.754756	9.788111	10.10234	10.42368	9.697629
MAGOH	MAGOH	8.852134	9.84197	9.125224	8.739879	8.836062	9.416245	8.43822	8.227969	8.531318	8.417359	8.421578	8.707443
MAK	MAK	6.970864	7.114546	6.980587	7.12117	6.979227	7.083728	6.847634	6.966682	6.962668	6.921237	6.826621	6.908999
MAK10	MAK10	8.047108	8.430277	7.979314	8.086802	8.11427	8.278117	7.905386	7.946459	7.978022	7.995481	7.909855	7.907218
MAL	MAL	6.914901	7.053919	6.945309	7.196558	7.081096	7.0494	6.879587	6.991145	7.486533	7.071518	6.82786	6.938266
MAL2	MAL2	11.19741	11.66901	9.704393	9.145512	8.215719	7.387788	7.092701	7.251199	7.779973	7.231473	7.231966	7.077242
MALAT1	MALAT1	6.91948	6.978186	6.816847	7.013918	6.966952	6.990809	6.983724	7.005047	6.757311	6.902112	6.848163	6.947838
MALL	MALL	7.166051	7.249736	6.880518	7.040628	6.976821	7.124182	7.362649	7.477182	7.762841	7.710209	8.866314	8.104641
MALT1	MALT1	7.717859	7.88927	8.132749	8.399346	8.184648	8.532315	8.167916	7.966835	7.78669	7.819548	7.364982	7.53028
MAMDC1	MAMDC1	6.839035	7.066522	6.783837	7.171283	7.151592	7.247255	7.027268	7.143022	7.06921	7.05681	6.894255	6.860269
MAMDC2	MAMDC2	8.968734	8.461798	7.049224	8.359923	7.962409	7.778208	7.435665	7.41794	7.411197	7.292929	7.579416	7.249517
MAMDC4	MAMDC4	7.142039	7.568146	7.240566	7.962022	7.810503	8.005324	7.511843	7.562089	7.383912	7.504101	7.265442	7.43397
MAML1	MAML1	7.303697	7.4728	7.19166	7.530992	7.281428	7.363852	7.117585	7.270839	7.077652	7.118742	7.043793	7.078923
MAML2	MAML2	6.957439	7.243181	6.781425	7.213647	7.248809	7.081157	7.154962	7.074584	7.008006	7.022162	7.002116	6.986251
MAML3	MAML3	6.938505	7.06426	6.994863	7.68866	7.213298	7.212001	6.985767	7.010547	7.020414	6.966668	6.890087	6.748468
MAN1A1	MAN1A1	7.770228	8.126025	8.21646	8.559105	8.796567	8.121288	8.128755	8.198247	8.206436	8.23282	8.224866	8.463192
MAN1A2	MAN1A2	7.135078	7.568915	7.470429	7.70805	7.657444	7.52723	7.44104	7.492868	7.414015	7.395902	7.43321	7.476241

MAN1B1	MAN1B1	9.562074	9.656579	9.338302	9.684091	9.831306	9.741633	9.63933	9.652395	9.682191	9.646974	9.815436	9.757169
MAN1C1	MAN1C1	7.666651	7.680466	7.075073	7.490696	8.502287	10.30897	10.27234	10.64649	10.24622	10.52229	10.40698	10.28806
MAN2A1	MAN2A1	9.360366	9.628353	9.000788	9.039315	8.249341	8.473177	7.909247	7.769732	7.973484	7.803999	7.855478	8.025604
MAN2A2	MAN2A2	7.062668	7.204156	6.910872	7.291772	7.349694	7.571767	7.602326	7.694207	7.543163	7.551874	7.366976	7.533896
MAN2B1	MAN2B1	7.827122	7.771005	7.411728	7.760324	7.474999	7.522069	7.239749	7.488337	7.610136	7.442542	7.542933	7.433719
MAN2B2	MAN2B2	7.792548	7.847529	7.691122	8.755539	8.622295	8.436618	8.567434	8.435732	8.801136	8.984502	8.845657	9.33857
MAN2C1	MAN2C1	8.011009	8.202226	7.946313	8.492409	8.590423	8.796664	8.61582	8.742426	8.504849	8.617038	8.387358	8.119371
MANBA	MANBA	9.271848	9.377956	8.756276	9.671337	9.4595	10.15059	9.720172	9.645906	9.230018	9.311891	9.359809	9.822163
MANBAL	MANBAL	9.608989	9.925401	9.516314	9.889932	9.761607	10.43518	9.973937	9.910643	9.924505	9.941888	9.772731	9.801555
MANEA	MANEA	7.245062	7.34956	7.590567	7.526816	7.308726	7.46576	7.351378	7.385238	7.394358	7.337566	7.13815	7.329087
MANEAL	MANEAL	6.97413	7.46754	6.955794	7.016539	6.909436	7.024616	6.904594	7.015255	6.985069	6.960072	6.785362	6.921819
MANSC1	MANSC1	7.360315	7.555582	6.923491	7.199931	7.209601	7.567838	7.49095	7.687404	7.497194	7.656621	7.622397	7.455064
MAOA	MAOA	8.577519	7.983269	8.639779	9.248387	7.998935	7.181472	6.945131	7.085127	7.699888	7.157901	6.921422	6.901476
MAOB	MAOB	7.121549	7.293387	6.823467	7.010926	6.964572	7.038862	7.038519	7.012425	6.967537	7.118564	6.83341	6.850409
MAP1A	MAP1A	7.311424	7.707581	7.456329	8.003814	8.117705	8.498988	8.456633	8.734091	8.711062	8.751723	9.242043	8.669278
MAP1B	MAP1B	8.933325	9.810059	8.988956	9.179248	9.277622	9.450921	9.166088	9.321862	9.55586	9.008689	9.4908	9.33551
MAP1D	MAP1D	7.014358	7.2139	6.896972	7.118185	7.183666	7.268875	7.036877	7.014437	6.990645	7.112852	6.76209	7.034965
MAP1LC3A	MAP1LC3A	7.809129	8.467654	8.272098	8.332597	8.090466	8.526901	8.917676	9.14309	9.072905	9.427464	9.520224	9.161991
MAP1LC3B	MAP1LC3B	9.70839	10.07822	9.805972	10.33335	10.03336	11.1641	10.75127	10.84616	10.90551	11.112	11.29283	11.42932
MAP1LC3C	MAP1LC3C	7.376217	7.430646	7.016469	7.118861	7.117828	7.196566	7.006274	7.025331	7.031397	7.007034	6.894298	6.999168
MAP2	MAP2	7.101721	7.326991	6.895816	7.087034	7.027517	7.07625	6.907518	6.955218	7.097653	7.011382	6.876369	6.968151
MAP2K1	MAP2K1	10.13965	10.02423	9.83364	9.829463	9.833319	10.64977	9.461486	9.98051	9.664665	9.835642	10.46006	10.20312
MAP2K1IP	MAP2K1IP	9.717841	10.48322	9.927209	10.02481	10.31668	11.01136	10.25532	10.62899	10.60946	10.45307	10.60082	10.37267
MAP2K2	MAP2K2	9.800714	9.806817	9.116666	9.68549	9.40375	9.748362	9.26723	9.846713	9.275158	9.6623	10.17986	9.470356
MAP2K3	MAP2K3	6.907234	7.111672	6.810951	7.027857	6.931591	6.990179	6.894403	7.040531	6.972493	7.061084	7.054379	6.982745
MAP2K4	MAP2K4	8.393626	8.92238	8.693409	9.442173	9.108294	9.733316	9.205576	9.346451	9.084406	9.081977	9.00091	8.909949
MAP2K5	MAP2K5	7.472406	7.512325	7.196201	7.423765	7.407878	7.297825	7.3015	7.424055	7.393786	7.494981	7.383167	7.537232
MAP2K6	MAP2K6	7.361324	7.414676	7.08504	7.319351	7.143764	7.208974	6.988264	7.018473	7.037782	7.041369	6.894884	6.869114
MAP2K7	MAP2K7	7.396116	7.655245	7.216468	7.497343	7.269706	7.460256	7.234661	7.212748	7.307978	7.500578	7.22716	7.172332
MAP3K1	MAP3K1	9.187249	9.961151	10.30123	11.05225	10.81268	10.52474	10.00725	9.267341	9.442872	8.664158	8.173204	8.460933
MAP3K10	MAP3K10	6.936756	6.975348	6.81604	6.931832	6.941927	7.152462	6.943822	6.933123	7.144814	6.950355	6.809276	6.869167
MAP3K11	MAP3K11	8.03704	8.136271	8.004995	8.296743	7.971971	7.561488	7.540324	7.611913	7.382043	7.438887	7.551926	7.214309
MAP3K12	MAP3K12	7.335405	7.543194	7.035417	7.246636	7.209914	7.430598	7.395412	7.198539	7.239589	7.404727	7.19263	7.251431
MAP3K13	MAP3K13	6.870331	7.119536	6.741821	7.253914	7.292366	7.344606	7.217645	7.189337	7.144466	7.171725	6.918582	7.041975
MAP3K14	MAP3K14	7.308585	7.405278	7.184728	7.256053	7.140206	7.283466	7.186895	7.198012	7.228692	7.332403	7.256435	7.317628
MAP3K15	MAP3K15	7.172465	7.226409	7.001356	7.302009	7.214683	7.466409	7.12232	7.061669	6.989172	7.139941	6.823878	6.940035

MAP3K2	MAP3K2	7.248706	7.649607	7.479467	7.838902	7.693121	7.776482	7.503585	7.575434	7.558641	7.540272	7.387183	7.562603
MAP3K3	MAP3K3	7.197165	7.411112	7.154073	7.413671	7.34966	7.468263	7.191811	7.298288	7.330907	7.321003	7.385568	7.332451
MAP3K4	MAP3K4	9.207353	9.484817	9.289509	9.110925	8.763873	8.571256	8.425862	8.446962	8.300017	8.291015	8.235634	8.39409
MAP3K5	MAP3K5	7.32426	7.80885	7.369827	7.326795	7.136531	7.42184	7.477878	7.567012	7.585315	7.447166	7.296168	8.094162
MAP3K6	MAP3K6	7.971589	8.075602	7.611614	8.434563	8.148504	8.026744	7.974685	8.111074	8.297046	8.202684	8.33539	8.099515
MAP3K7	MAP3K7	9.850279	10.15593	9.89809	10.28077	9.85102	10.34146	9.743319	9.923678	9.631353	9.760458	9.554226	9.518972
MAP3K7IP	MAP3K7IP	7.41617	7.567806	7.34286	7.495888	7.423639	7.577977	7.464371	7.575133	7.428723	7.47937	7.305016	7.287764
MAP3K7IP	MAP3K7IP	7.177941	7.505019	7.280871	7.46848	7.39834	7.474888	7.414337	7.303323	7.276821	7.339426	7.122918	7.47619
MAP3K8	MAP3K8	8.39932	8.630483	8.309824	8.118079	8.047983	7.548767	7.552466	7.651109	7.806056	7.320744	7.356087	7.143366
MAP3K9	MAP3K9	7.328021	7.506972	7.137303	7.334982	7.141285	7.233763	7.060333	6.947378	7.019997	7.020576	6.781235	6.918713
MAP4	MAP4	7.239095	7.523117	7.088746	7.522769	7.517806	8.824386	8.207617	8.280984	8.379539	8.215975	7.674368	7.910172
MAP4K1	MAP4K1	8.151752	8.629785	7.741967	7.45987	7.215003	7.114027	6.860224	6.986029	6.991593	6.953016	6.798161	6.808927
MAP4K2	MAP4K2	10.67174	10.66524	10.0844	10.23819	10.34932	9.731954	9.437589	9.23854	9.523653	9.052701	8.739645	8.975512
MAP4K3	MAP4K3	8.180837	8.355503	8.121917	8.455351	8.281116	8.57706	8.245564	8.667708	8.315341	8.330757	8.461477	8.01277
MAP4K4	MAP4K4	8.96794	9.108186	8.609778	9.082032	8.937171	9.087407	8.852474	9.176479	9.073609	9.121778	8.903698	8.94472
MAP4K5	MAP4K5	8.685707	8.996628	8.758138	9.720316	9.237229	9.078909	8.748941	8.630954	8.740956	8.403564	8.564247	8.611488
MAP6	MAP6	6.918435	7.133721	6.903898	7.055082	7.06826	7.55608	7.45378	7.523749	7.965437	7.687828	7.412724	7.504591
MAP6D1	MAP6D1	8.988841	9.140916	8.845884	8.997062	8.727178	8.881226	8.152469	8.162826	8.46799	7.95422	7.83121	7.796577
MAP7	MAP7	10.42926	10.86585	9.00663	8.655092	7.94186	8.01473	7.477563	7.370997	7.498516	7.234615	7.197168	7.218989
MAP7D2	MAP7D2	7.068365	7.471954	6.965429	7.063807	6.860413	6.93543	6.777696	6.858512	6.961405	6.925594	6.711567	6.798285
MAPBPIP	MAPBPIP	9.905174	10.67174	10.36399	10.12192	10.30326	10.99788	10.72343	10.46797	10.57777	10.67757	10.634	10.33564
MAPK1	MAPK1	8.432	8.74092	8.058462	8.063454	7.916023	8.358064	8.057302	8.247111	7.99214	8.125638	7.966347	7.800573
MAPK10	MAPK10	6.932503	7.2201	7.260518	7.491402	7.398078	7.190884	7.010724	7.031406	7.226806	6.966874	6.828008	6.846611
MAPK11	MAPK11	6.883306	7.142701	6.785635	7.033984	7.091112	7.05961	7.082529	6.948132	6.974322	7.062531	6.834305	6.885732
MAPK12	MAPK12	7.346616	7.744121	7.457902	7.877581	7.908603	7.766333	7.495308	7.566528	7.481526	7.601083	7.578346	7.197048
MAPK13	MAPK13	8.927847	9.238279	7.715289	7.807662	7.885836	7.447412	7.392961	7.36468	7.578484	7.305827	7.201466	7.134863
MAPK14	MAPK14	7.143055	7.325689	6.959555	7.342831	7.29423	7.347001	7.1842	7.182168	7.182148	7.093034	7.045773	7.060298
MAPK15	MAPK15	7.132111	7.265568	7.097515	7.253673	7.18529	7.318509	7.046861	7.117235	7.125524	7.237462	6.936494	7.021611
MAPK3	MAPK3	9.276363	9.543911	9.389682	9.80473	9.734835	9.497712	9.292549	9.130435	9.409177	9.259696	9.144582	9.598564
MAPK4	MAPK4	7.403011	7.447197	7.720531	8.121095	8.425027	9.119382	8.468154	8.526904	8.385657	8.55875	8.255888	8.311957
MAPK6	MAPK6	11.60711	12.14038	11.78193	11.75954	11.46416	11.30592	10.65266	10.76139	10.61167	10.39763	10.42396	10.24878
MAPK7	MAPK7	7.596611	8.055794	7.807944	7.74294	7.754855	7.597709	7.491744	7.526375	7.475213	7.431829	7.499863	7.360099
MAPK8	MAPK8	7.044127	7.27174	6.985206	7.261542	7.096122	7.199452	7.018146	6.998486	7.040888	6.98899	6.872503	7.014021
MAPK8IP1	MAPK8IP1	7.645226	7.916012	7.016259	7.248255	7.160384	7.42656	7.227205	7.165802	7.451137	7.274383	7.267552	7.298542
MAPK8IP2	MAPK8IP2	6.997383	7.145814	6.886519	7.08302	7.113905	7.097406	6.905004	6.959179	6.936697	6.887747	6.769222	6.818066
MAPK8IP3	MAPK8IP3	7.809888	7.932045	7.620146	8.313083	8.570494	8.691651	8.363835	8.649352	8.371134	8.483723	8.400388	7.869465

MAPK9	MAPK9	8.587761	8.904496	8.575368	8.832997	8.726078	9.10117	8.647744	8.817129	8.769793	8.719463	8.8585	8.665442
MAPKAP1	MAPKAP1	8.51178	9.010442	8.260808	8.412581	8.340368	8.865148	8.374498	8.617878	8.355369	8.563273	8.813947	8.661991
MAPKAPK	MAPKAPK	7.347286	7.677422	7.395638	7.72865	7.482595	8.25784	7.7983	7.923388	7.776199	8.003449	7.736456	7.991867
MAPKAPK	MAPKAPK	11.41225	11.69002	10.39848	10.69544	10.79321	11.59555	11.61847	11.56868	11.43567	11.91143	11.24165	11.90878
MAPKAPK	MAPKAPK	9.750208	10.01916	9.486793	9.338872	8.99708	9.249103	8.963787	8.991169	8.980715	9.03673	8.890918	8.983302
MAPKBP1	MAPKBP1	7.092952	7.439901	6.983277	7.401629	7.822606	7.998626	7.769901	7.738857	7.625638	7.596231	7.276489	7.192026
MAPRE1	MAPRE1	12.55167	13.04792	12.71402	13.02134	12.70125	13.48257	12.95103	13.13706	12.91674	12.79997	12.70742	12.13757
MAPRE2	MAPRE2	9.924028	9.984489	9.516381	9.75629	9.543778	10.74288	10.0042	10.51229	10.22589	10.56245	10.52327	10.3562
MAPRE3	MAPRE3	7.180124	7.448256	7.158777	8.072341	8.557043	9.174109	8.82411	9.097447	8.738819	8.945031	9.118634	8.606436
MAPT	MAPT	6.956565	7.092435	6.822846	7.085715	6.98629	6.974038	6.949954	7.017629	7.506384	6.984406	6.842794	6.903159
1-Mar	1-Mar	6.821188	7.055921	6.814099	7.032191	6.833415	6.97144	6.851503	6.940015	6.956562	6.85158	6.741795	6.882021
2-Mar	2-Mar	7.307523	7.452522	7.146301	7.40196	7.447823	7.977042	8.183351	8.257858	8.212489	8.455	8.274389	8.199392
3-Mar	3-Mar	8.592041	8.938611	7.450307	8.729024	10.42925	10.13872	9.881296	10.18974	10.02239	10.28071	10.50699	9.567295
4-Mar	4-Mar	7.253838	7.640763	7.127496	7.56626	6.968595	7.337209	6.943474	7.113315	7.131669	7.134187	7.87892	7.1854
5-Mar	5-Mar	7.668938	7.831227	7.728197	7.926413	8.029916	8.04253	7.662126	7.750849	7.680995	7.647829	7.5586	7.506287
6-Mar	6-Mar	10.18133	10.28663	10.2757	10.64879	10.74176	11.13425	10.45987	10.31595	10.3219	10.06432	9.37145	10.16406
7-Mar	7-Mar	11.31044	11.71477	11.65772	11.77281	11.50801	12.47599	11.67804	11.83979	11.50986	11.73631	11.74144	11.22096
8-Mar	8-Mar	6.942551	7.08531	6.870764	7.068316	6.997163	7.064658	6.872015	7.026097	6.953456	6.975136	6.84009	6.912948
9-Mar	9-Mar	6.796385	7.084392	6.786403	6.998772	6.978039	7.045715	6.924515	7.082635	7.124133	7.026283	6.932834	7.096807
MARCKS	MARCKS	12.44833	12.73107	12.40121	12.64953	12.75839	12.11892	11.90765	11.4121	12.07882	10.78869	11.71682	11.09517
MARCKSL	MARCKSL	12.94516	13.32375	12.76692	12.83022	12.4944	11.95364	11.14145	11.02889	11.33274	10.21571	10.89735	9.703633
MARCO	MARCO	6.880854	7.129453	6.814641	7.00339	6.926632	6.983065	6.938431	6.939074	6.883724	6.936694	6.814558	6.921813
MARK1	MARK1	7.900012	8.383276	7.874094	8.369559	8.357075	9.641065	9.15964	9.118639	8.682749	8.724941	8.116808	8.025089
MARK2	MARK2	7.315451	7.50089	7.055888	7.319545	7.142006	7.211988	7.116181	7.211503	7.144328	7.230494	7.18353	7.053992
MARK3	MARK3	8.335659	8.539661	8.190876	8.811134	8.490606	8.663861	8.451377	8.424097	8.293883	8.467208	8.347094	8.33309
MARK4	MARK4	6.977784	7.104155	6.984359	7.075787	7.055404	7.145347	6.999529	6.957129	6.917296	7.091946	7.00979	6.796417
MARLIN1	MARLIN1	6.955274	7.126197	6.927322	7.147495	6.961545	7.066241	6.969415	6.965622	6.931544	7.002275	6.832465	6.955327
MARS	MARS	9.779191	10.42034	9.193106	9.442715	9.1205	9.623261	9.362572	9.241891	9.389257	9.400484	9.393323	9.462805
MARS2	MARS2	8.255923	8.324999	7.822476	7.848664	7.642352	8.443984	7.692856	7.705885	7.582092	7.703481	7.640682	7.544701
MARVELD	MARVELD	7.670643	8.108578	7.415142	7.419093	7.164374	7.231974	7.055968	6.961181	6.995055	7.016099	6.805521	6.856758
MARVELD	MARVELD	8.732497	8.878152	7.539491	7.45039	7.247854	7.113268	6.866747	6.970069	6.993669	6.868367	6.769411	6.829806
MAS1	MAS1	6.96512	7.092994	6.80889	6.986974	7.01506	7.165964	6.9868	7.005276	6.929668	7.035517	6.905757	6.870956
MAS1L	MAS1L	6.885005	7.036417	6.760403	7.093077	7.037615	7.019951	6.900596	6.95519	6.861926	6.951722	6.750009	6.830604
MASA	MASA	11.65187	11.79778	10.91794	10.53612	10.57129	11.03582	10.28695	10.45926	10.40103	10.28126	10.29214	10.16293
MASK	MASK	11.77397	12.21321	11.60753	12.20898	12.79069	12.1909	11.4211	10.75017	10.87355	9.965715	9.151987	9.448414
MASK-BP3	MASK-BP3	7.219803	7.597944	7.260035	7.364072	7.171423	7.355786	7.192797	7.292763	7.223073	7.348349	6.907963	6.997399

MASP1	MASP1	6.964539	7.159641	6.851374	8.024683	9.366435	11.45666	11.23666	11.37677	10.65212	11.18536	10.74828	10.62463
MASP2	MASP2	6.881232	7.06625	6.789883	6.981084	6.914811	6.94914	6.795612	6.877781	6.890904	6.925546	6.778703	6.812329
MASS1	MASS1	9.179724	9.496174	8.710751	8.148289	7.766663	7.947174	7.558465	7.56137	7.498517	7.321346	7.138943	7.074171
MAST1	MAST1	7.518959	7.569263	6.926683	7.070623	6.971439	6.887908	6.795341	6.917741	7.029228	6.828935	6.704901	6.825348
MAST2	MAST2	7.075623	7.330365	7.03464	7.14906	7.130353	7.3753	7.101974	7.203586	7.204159	7.238872	6.96711	7.223193
MAST3	MAST3	7.97568	7.948158	7.690686	7.916488	7.808263	7.861506	7.591616	7.835068	7.772269	7.558529	7.537374	7.588756
MASTL	MASTL	8.827053	9.258633	8.834062	8.850373	8.211141	8.109634	7.862819	7.86181	7.752347	7.667836	7.374056	7.383732
MAT1A	MAT1A	6.892146	7.130532	6.820901	7.10647	6.902462	6.98259	6.830515	6.978121	6.805808	6.871014	6.764972	6.855605
MAT2A	MAT2A	12.85518	13.07186	12.93651	13.06637	12.70333	13.14817	12.7146	12.71076	12.3718	12.46262	11.9133	11.95167
MAT2B	MAT2B	10.63952	10.65761	9.93001	9.956379	9.950078	10.12022	9.886358	9.885586	10.1154	9.996123	9.789951	10.06303
MATK	MATK	8.927549	8.926009	7.378709	7.277377	7.102215	6.886827	6.855266	7.00746	6.956824	7.019608	6.800114	6.854254
MATN1	MATN1	7.03463	7.137496	6.81807	7.191378	7.372803	7.146607	7.001182	7.050596	7.108955	7.030905	6.951637	6.933429
MATN2	MATN2	8.559633	9.359969	8.405391	9.603245	11.24992	11.533	10.97448	10.78353	10.71443	10.16336	9.608493	9.62263
MATN3	MATN3	7.41879	7.482697	8.425671	7.677648	7.394276	7.312606	6.932544	7.063632	6.876446	6.958057	6.94479	6.848762
MATN4	MATN4	6.810975	7.040005	6.776783	7.006151	6.935619	6.876906	6.864352	6.869894	6.841645	6.891821	6.739406	6.790817
MATR3	MATR3	10.81923	11.3115	10.89563	11.1212	10.51357	10.86074	10.05921	10.00368	10.21004	9.752037	9.684897	9.697387
MAWBP	MAWBP	6.960706	7.145307	6.953101	7.146018	7.100441	7.435533	7.109128	7.233564	7.134746	7.169439	7.06282	7.058337
MAX	MAX	7.260222	7.617717	7.196845	7.368319	7.335752	7.412036	7.236561	7.309849	7.294683	7.406569	7.311411	7.329364
MAZ	MAZ	7.436407	7.694394	7.288591	7.46255	7.394875	7.51135	7.267087	7.264529	7.332774	7.304725	7.220464	7.123305
MB	MB	6.903439	7.05341	6.830469	7.284147	9.122311	11.84262	12.49978	13.02842	13.35685	13.66913	13.60678	13.6706
MBD1	MBD1	7.820776	7.917932	7.759133	8.128583	8.057343	8.138382	7.936857	8.14627	7.963875	8.001865	7.886825	7.75608
MBD2	MBD2	7.903008	8.259988	7.796681	7.738379	7.321914	7.517244	7.214221	7.185458	7.069497	7.137696	7.094245	7.050339
MBD3	MBD3	7.995374	8.16592	8.027691	8.300118	8.193528	8.324535	7.991039	8.078992	8.043383	8.00226	7.934549	8.101327
MBD3L1	MBD3L1	6.817748	7.038454	6.804388	7.091532	6.970213	7.063657	6.920212	6.949636	6.775186	6.893644	6.712136	6.899372
MBD3L2	MBD3L2	6.846339	6.988411	6.787431	7.006547	6.964451	7.060254	6.937259	6.949609	6.93513	6.89908	6.842127	6.856624
MBD4	MBD4	9.81967	10.58961	10.30502	10.44057	10.88692	10.62128	10.8052	10.21795	10.46632	10.16623	10.13977	10.24055
MBD5	MBD5	6.939154	7.181621	6.97545	7.261888	7.204234	7.307701	7.228327	7.236315	7.188751	7.196904	6.989821	7.20802
MBD6	MBD6	8.786025	9.039302	8.586262	9.488001	9.539783	9.360839	9.035829	9.188631	8.91555	8.963847	8.756937	8.4455
MBIP	MBIP	8.957816	9.468068	9.117243	9.200187	9.058326	9.053901	8.714986	8.699688	8.98052	8.762063	8.723088	8.560973
MBL1P1	MBL1P1	7.049487	7.457297	7.423598	7.698845	7.930575	7.351852	7.293815	7.258259	7.432499	7.245415	6.967816	7.055647
MBL2	MBL2	6.821591	7.075965	6.700152	6.939405	6.892279	6.847066	6.794863	6.835362	6.900824	6.883939	6.752863	6.762831
MBNL1	MBNL1	7.47029	7.815093	7.231605	7.90702	8.036226	8.799603	8.65903	8.601685	8.785083	8.60886	8.757503	8.996826
MBNL2	MBNL2	7.026752	7.178348	7.360886	9.271403	9.527044	9.15591	9.07233	9.132023	9.443369	9.256895	9.459023	9.915059
MBNL3	MBNL3	6.967868	7.227011	7.810714	7.291673	7.170491	7.03964	6.905716	7.007291	7.032315	6.963756	6.785539	6.884222
MBOAT1	MBOAT1	6.797618	7.283477	6.806313	7.123553	6.98231	7.040597	6.895714	6.887003	6.925101	6.986804	6.757141	6.934195
MBOAT2	MBOAT2	7.3148	7.624207	7.221384	7.539895	7.473562	7.63561	7.648379	7.509564	7.52448	7.55133	7.401807	7.407328

MBP	MBP	8.516959	8.254131	7.628658	7.483619	7.385393	7.082417	6.939926	7.036101	7.142085	7.041435	7.016177	7.039511
MBTD1	MBTD1	7.674794	8.276218	7.841849	8.095269	8.088161	8.016832	7.797078	7.585467	7.694942	7.603693	7.482323	7.504413
MBTPS1	MBTPS1	8.54481	8.90014	8.756384	9.091829	9.0733	9.135024	8.868691	9.130161	9.084055	9.160705	9.251938	9.159095
MBTPS2	MBTPS2	7.135289	7.291834	7.149623	7.345825	7.262041	7.487825	7.251352	7.423071	7.345106	7.245283	7.198167	7.362778
MC1R	MC1R	7.788615	8.154743	7.891821	8.572612	8.622333	8.966182	8.588495	8.30599	8.492841	8.217346	7.724522	8.131938
MC2R	MC2R	6.683591	6.917479	6.639603	6.889133	6.792757	6.85637	6.728219	6.980923	6.864207	6.80307	6.649867	6.695997
MC3R	MC3R	6.886287	7.014912	6.763915	6.971285	6.829001	6.937534	6.974091	6.864107	6.964464	6.978911	6.743578	6.763222
MC4R	MC4R	6.90996	6.997895	6.810542	6.914211	6.970405	6.980417	6.816755	6.856021	6.84661	6.891288	6.813391	6.854246
MC5R	MC5R	6.897276	6.980875	6.709282	6.973471	6.846997	7.333061	6.856022	6.949528	6.942595	6.85856	6.81343	6.777279
MCAM	MCAM	6.87093	7.194752	6.822618	7.034082	6.942455	7.029589	6.992696	6.974943	7.016604	7.142792	6.914128	6.948473
MCART1	MCART1	10.89048	11.93495	11.30459	11.68141	11.89852	11.57073	11.73649	11.03759	11.53207	11.0362	10.59513	11.1797
MCART2	MCART2	6.799072	6.993915	6.712558	7.001234	6.919318	6.860575	6.827121	6.861199	6.870675	6.888126	6.760128	6.830901
MCART6	MCART6	7.058436	7.133679	6.999386	7.135493	7.098376	7.086371	6.963713	7.054347	7.005695	7.122871	6.917593	6.898992
MCC	MCC	7.110336	7.747191	7.556406	7.813362	7.499054	7.672166	7.423331	7.460157	7.452275	7.466549	7.209502	7.30973
MCCC1	MCCC1	9.68681	9.915269	9.494244	9.7282	9.61339	10.60802	10.1082	9.953763	9.79849	9.878826	9.48929	9.351043
MCCC2	MCCC2	7.862113	7.907456	7.106474	7.502679	7.31458	7.342092	7.292399	7.725143	7.333149	7.540089	7.419007	7.245446
MCCD1	MCCD1	7.032178	7.330359	7.013664	7.161516	7.117095	7.292941	7.100849	7.104052	7.015379	7.201345	6.870753	7.016009
MCEE	MCEE	9.313462	9.69446	9.176681	9.569761	10.28903	11.17373	10.98066	10.88518	10.95436	11.01297	10.5443	10.14541
MCEMP1	MCEMP1	6.842705	7.277453	6.793709	6.988892	6.902262	6.92193	6.992915	6.884276	6.902465	7.085102	6.843445	6.791965
MCF2	MCF2	7.066101	7.273927	6.885124	7.098029	6.901551	6.920178	6.864081	6.975402	6.993174	6.976063	6.758445	6.833001
MCF2L	MCF2L	6.788859	7.000406	6.80059	6.962691	6.917118	6.997764	6.778365	6.902893	6.846352	6.898702	6.77964	6.867835
MCF2L2	MCF2L2	7.025715	7.187878	6.986373	7.286418	7.15273	7.173056	7.064279	7.102732	7.076648	7.10134	6.929101	7.026101
MCFD2	MCFD2	8.304455	8.381011	8.302968	8.619967	8.4685	8.760733	8.328406	8.465053	8.377104	8.260677	8.699124	8.701473
MCHR2	MCHR2	6.90187	7.234619	6.894288	7.088469	7.085355	6.978458	6.906256	7.021537	7.081189	7.004656	6.829157	6.89568
MCL1	MCL1	9.402301	10.22803	9.355508	9.573457	8.878118	9.603178	9.059399	9.155443	9.185647	9.471207	9.517975	9.646869
MCM10	MCM10	9.856739	10.14196	9.708212	9.370792	9.058857	8.900307	8.365198	8.268132	8.089065	8.12704	7.474224	7.169855
MCM2	MCM2	10.71835	10.84342	10.03709	10.1444	9.576702	9.232269	8.909413	9.011899	8.688505	8.886631	8.363611	7.825975
MCM3	MCM3	12.66562	12.94307	12.08554	11.98706	11.38966	11.85717	11.27559	11.30637	10.93547	11.14623	10.51978	9.980474
MCM3AP	MCM3AP	9.783677	9.93342	9.30122	9.890977	9.727367	9.707988	9.480335	9.385215	9.269202	9.254754	9.012275	9.200393
MCM3APA	MCM3APA	7.579154	7.562369	7.212421	7.360177	7.650081	7.612847	7.329831	7.379421	7.239776	7.199155	6.774368	6.957192
MCM4	MCM4	11.48084	11.79288	11.17803	10.93154	10.01491	10.38875	9.630208	9.673665	9.534897	9.650649	9.032542	8.745151
MCM5	MCM5	10.58254	11.13589	9.772453	9.485726	8.876271	9.150807	8.874774	9.134111	8.720786	9.029578	8.557758	7.903204
MCM6	MCM6	12.96149	13.19817	12.86538	12.48866	11.86428	12.07272	11.73472	11.73056	11.46338	11.41522	10.76964	10.17603
MCM7	MCM7	11.56486	11.87107	11.31627	11.19767	10.62721	10.40825	10.02649	9.947218	9.887308	9.868244	8.977525	8.652217
MCM8	MCM8	10.26057	11.20404	10.7501	11.10945	11.03348	10.89524	10.98527	10.33719	10.90149	10.26739	9.606821	10.37322
MCMDC1	MCMDC1	7.359149	7.547264	7.205753	7.344411	7.171766	7.221874	7.147995	7.085768	7.133412	7.181025	6.846334	6.982256

MCOLN1	MCOLN1	8.058955	8.484046	8.102894	8.238425	8.073874	8.727997	7.924351	8.090538	8.243953	8.26653	8.316594	8.444024
MCOLN2	MCOLN2	8.326307	7.813206	7.031749	7.172877	7.105654	7.094294	6.82407	6.927472	6.958823	6.94208	6.750867	6.819327
MCOLN3	MCOLN3	7.245865	8.193275	9.641557	10.1255	8.942066	7.551028	7.065001	7.192284	7.088636	7.193084	6.97007	7.172532
MCPH1	MCPH1	7.539997	7.860427	7.418089	7.710111	7.656232	7.820751	7.647084	7.609329	7.468399	7.619484	7.478024	7.619608
MCRS1	MCRS1	10.39862	10.70032	10.38342	10.36699	10.32107	10.8726	10.69287	10.7237	10.69608	10.93084	10.56276	10.29033
MCTP1	MCTP1	6.843983	7.20641	6.82055	6.971859	6.861883	6.982414	6.84707	6.939607	6.989214	6.863046	6.728905	6.822085
MCTP2	MCTP2	6.830622	6.939652	6.842848	6.829262	6.812197	6.858441	6.687994	6.784499	6.796393	6.838946	6.80864	6.902314
MCTS1	MCTS1	8.694053	9.795742	9.297497	9.525289	9.545314	9.911861	9.924197	9.21405	10.10789	9.59353	9.222448	9.418065
MDAC1	MDAC1	6.793324	7.001178	6.792566	6.941944	6.973231	6.912739	6.845441	6.866602	6.81608	6.900335	6.667426	6.743223
MDC1	MDC1	10.04029	10.33	9.730229	9.953955	9.706171	9.781444	9.256057	9.143728	9.087694	9.076052	8.65477	8.508431
MDFI	MDFI	6.851761	7.268966	6.833514	7.024716	6.815557	7.029288	6.997445	6.963602	7.024277	7.008746	6.979019	6.915773
MDFIC	MDFIC	7.0369	7.440121	7.576368	7.690132	7.471456	8.077293	7.753161	8.064269	7.855223	8.23917	8.483874	8.31466
MDGA1	MDGA1	7.210118	7.37394	7.003016	7.26285	7.284521	7.278521	7.218144	7.212848	7.485216	7.31332	6.99313	7.185459
MDH1	MDH1	13.58153	13.8108	12.64463	12.92032	13.52545	14.96913	14.62555	14.85069	14.73385	14.77516	14.66362	14.38715
MDH1B	MDH1B	7.024976	7.1805	6.982576	7.183352	7.113501	7.130879	6.930398	7.045621	7.030378	7.031464	6.897077	6.937119
MDH2	MDH2	13.88527	13.90842	13.04613	13.37567	13.7168	14.69543	14.37172	14.41232	14.3284	14.30629	13.96751	13.82697
MDK	MDK	9.55797	10.33529	10.16055	11.73862	11.75256	11.02567	10.02481	9.595373	9.169553	8.414693	8.628329	7.78348
MDM1	MDM1	7.046976	7.300149	7.098701	7.35467	7.324412	7.34229	7.126156	7.252377	7.182106	7.22756	7.014119	7.064415
MDM2	MDM2	7.029829	7.185717	6.898886	7.093447	7.11743	7.480055	7.003802	7.0719	7.107462	6.935117	6.86156	7.044876
MDM4	MDM4	7.40031	7.4345	7.471678	7.695604	7.580005	7.835421	7.533815	7.587644	7.315746	7.424074	7.107366	7.055863
MDN1	MDN1	8.183957	8.258972	7.725461	7.76807	7.206156	7.228326	7.094946	7.201583	7.049196	7.043389	7.025081	7.018457
MDP-1	MDP-1	8.365026	9.352865	8.788214	8.658245	8.741362	9.236491	8.933347	8.852768	9.10931	9.170818	8.833938	8.614019
MDS028	MDS028	8.908832	9.50525	8.920913	9.116386	9.363978	9.997042	9.253345	9.344833	9.074852	9.081777	8.938794	8.577404
MDS032	MDS032	7.094822	7.305127	7.094923	7.395021	7.431649	7.577476	7.607058	7.708443	7.707702	7.872919	7.617199	7.783952
MDS1	MDS1	6.999643	7.204461	6.763045	6.980374	7.042176	7.027905	6.937608	6.971853	6.89301	6.942533	6.808903	6.916024
ME1	ME1	7.979684	9.159399	7.938251	8.583709	8.614855	9.752063	9.459819	9.019677	9.29952	9.288678	8.916575	9.253822
ME2	ME2	10.06434	10.18761	8.9614	9.422237	9.472229	10.0742	9.542516	9.76691	9.852874	9.899598	9.961217	9.760164
ME3	ME3	7.067961	7.373297	7.008263	7.189074	7.016953	7.18716	7.287852	7.376657	7.370418	7.571398	7.352792	7.225872
MEA1	MEA1	9.028852	9.817358	9.246471	9.249984	9.087579	9.38507	9.004601	8.973761	9.046119	9.116096	9.251111	8.739184
MECP2	MECP2	6.988953	7.1307	6.94942	7.23968	7.240986	7.406371	7.354057	7.362024	7.320739	7.233801	7.289098	7.278774
MECR	MECR	7.261661	7.330546	7.02012	7.185693	7.248302	7.400898	7.110676	7.25912	7.157014	7.311011	7.126014	7.097214
MED12	MED12	8.159473	8.414173	8.054874	8.80085	8.592709	8.438878	8.167053	8.098489	7.962486	8.040903	7.975701	7.564721
MED12L	MED12L	6.880198	7.120665	6.790677	6.999539	6.950007	6.933232	6.895642	6.931989	6.967054	6.887951	6.785018	6.784301
MED18	MED18	6.900089	7.077483	6.9327	6.992023	6.962531	7.012141	7.099029	7.033218	7.021525	7.126316	6.889635	7.113589
MED19	MED19	9.248652	9.459297	9.270966	9.403853	9.419315	9.676871	9.2011	9.324386	9.263895	9.293098	9.486355	8.680368
MED25	MED25	8.42595	8.434422	7.906483	8.326142	8.265488	8.160422	8.007669	8.499958	8.063231	8.418628	8.650088	7.734371

MED28	MED28	10.73364	11.21437	10.79599	10.91825	10.84033	10.88378	10.21158	10.0782	10.20231	9.754463	9.521794	9.463102
MED31	MED31	6.97362	7.010517	6.847239	7.082534	6.889529	6.921951	6.900663	6.920081	6.870621	6.942966	6.892744	6.803149
MED4	MED4	10.29903	10.54488	10.38589	10.43358	10.19198	10.47044	9.966838	10.23955	10.01737	9.991114	9.877394	9.708973
MED6	MED6	11.64119	11.97143	11.49882	11.64472	11.44101	12.04648	11.29296	11.06932	11.28505	11.16832	10.85424	10.97818
MED8	MED8	7.958789	8.621955	7.948832	8.62744	8.674982	9.242096	8.868827	8.899674	9.013858	8.978152	8.900282	8.693553
MED9	MED9	7.702033	8.096867	7.636548	7.950992	7.931377	8.471567	8.315695	8.150385	8.236888	8.350816	8.027302	8.168178
MEF2A	MEF2A	7.162567	7.272952	7.142598	7.521425	7.624358	8.572374	8.014729	8.300553	7.905949	8.067726	7.878874	8.241958
MEF2B	MEF2B	6.932807	7.10961	6.858242	7.065384	7.076208	7.120435	6.850344	6.96718	6.925523	6.972641	6.881656	7.029387
MEF2C	MEF2C	6.958697	7.001653	6.906175	9.669446	8.767181	10.63293	9.41001	8.675925	9.070635	8.622564	7.704511	8.283329
MEF2D	MEF2D	8.208444	8.406301	7.930893	8.751221	8.858639	9.846289	9.66632	9.787878	9.538501	9.639843	9.055945	9.317431
MEFV	MEFV	6.810168	7.129237	6.842162	6.981993	6.917115	6.983622	6.884893	6.923714	6.849052	6.927049	6.784914	6.898103
MEG3	MEG3	6.900793	7.088948	6.904613	7.093608	6.906699	6.980558	6.956664	6.951717	6.963456	7.010023	6.803739	6.888407
MEGF10	MEGF10	8.96518	9.081887	7.77959	7.863491	8.263945	7.854225	7.41645	7.393256	7.6752	7.448862	7.099059	7.111791
MEGF11	MEGF11	6.836209	6.923506	6.776316	6.929256	6.858224	6.782688	6.746358	6.850661	6.791525	6.895216	6.744138	6.676022
MEGF8	MEGF8	7.141194	7.380885	7.097328	7.426909	7.381111	7.604426	7.493335	7.291091	7.369012	7.303175	7.055921	7.29222
MEGF9	MEGF9	6.86495	7.042875	6.952415	7.025663	6.970984	6.98053	7.08059	6.995364	7.007748	7.054186	6.971129	7.076588
MEI1	MEI1	6.924532	7.05067	6.827344	7.060983	6.87964	7.023365	6.915601	6.941521	6.907787	6.960705	6.801363	6.949639
MEIG1	MEIG1	6.773237	6.93548	6.69851	6.854683	6.83566	6.957687	6.836867	6.844968	6.931483	6.943585	6.624016	6.827238
MEIS1	MEIS1	6.927858	7.164595	8.647659	10.3677	10.34615	10.28877	9.901794	9.957779	10.30135	9.597258	9.183201	9.041767
MEIS2	MEIS2	6.899593	7.129459	7.968935	9.476287	9.565523	9.359747	9.195119	9.29571	8.853775	8.602865	9.075358	9.312416
MEIS3	MEIS3	7.291876	7.378965	7.588928	7.944256	7.913304	7.632925	7.555038	7.772132	7.550456	7.382345	7.497879	7.192807
MEIS3P1	MEIS3P1	8.229621	8.486188	8.15591	8.80876	8.663481	8.539514	8.356155	8.463822	8.33043	8.305964	8.086785	7.952415
MELK	MELK	10.74516	10.9948	10.84409	10.60041	10.13988	9.611864	9.157727	9.066339	8.907885	8.718096	8.58649	7.877183
MELL1	MELL1	6.83632	6.995008	6.807909	7.049171	6.982586	7.026143	6.92369	6.864182	6.928325	6.954883	6.719153	6.775111
MEN1	MEN1	7.466192	7.706936	7.181552	7.488053	7.23151	7.101601	6.971435	7.092877	7.10949	7.043134	6.980411	6.957307
MEOX1	MEOX1	6.924101	7.116457	6.91015	7.560009	7.657312	6.977557	6.950025	6.975186	7.048141	7.035661	6.842173	6.874922
MEOX2	MEOX2	6.861827	6.901166	6.749531	6.924942	6.887925	6.856276	6.807663	6.832709	7.060288	6.864122	6.758378	6.751798
MEP1A	MEP1A	6.865362	7.012375	6.814287	7.038337	7.061058	7.044322	6.936916	6.975434	7.31992	6.915361	6.769039	6.871973
MEP1B	MEP1B	7.221418	7.328635	7.076246	7.435852	7.289466	7.302082	7.118276	7.110108	7.07405	7.10709	6.930037	7.048462
MEPE	MEPE	6.966371	7.048526	6.857564	7.081645	7.009847	7.05669	7.00775	7.23475	7.181722	7.139321	6.888095	6.867289
MERTK	MERTK	8.076655	8.007241	8.493611	9.701189	9.319506	8.060883	7.753521	7.844122	7.886557	7.731897	7.385161	7.450913
MESDC1	MESDC1	7.534719	7.715362	7.515612	7.770472	7.598548	7.702425	7.40881	7.405987	7.342063	7.263959	7.25306	7.090829
MESDC2	MESDC2	6.940711	7.138243	6.86683	7.134594	7.112857	7.061266	7.010139	7.012778	7.021214	7.026826	6.824023	7.007495
MESP1	MESP1	6.944683	7.077051	10.75195	8.078594	7.140472	7.754773	7.794575	7.695121	7.967385	8.210912	7.758814	8.360634
MESP2	MESP2	6.8661	7.063096	7.225735	7.043229	6.989958	7.081177	7.103431	6.930911	7.000328	7.021358	6.871266	6.908055
MEST	MEST	7.429529	7.624005	7.166683	7.876879	7.633777	7.176165	7.051589	7.18488	7.105816	7.034504	6.951866	6.902355

MET	MET	7.140967	7.528026	6.971863	7.21497	7.030293	7.056829	7.07519	7.040333	7.055403	7.001427	7.041768	7.353147
METAP1	METAP1	11.41482	11.23057	10.7755	10.95934	10.76703	11.14102	10.58192	10.89997	10.35213	10.65025	10.75658	10.54563
METAP2	METAP2	12.50323	12.70388	12.43143	12.16463	12.22819	12.68807	11.97613	11.90717	12.13505	11.87023	11.80745	11.5838
METRN	METRN	7.122534	7.395163	7.170681	7.414644	7.49223	7.786562	7.604203	7.807142	7.599688	7.8826	7.934717	7.767751
METRNL	METRNL	7.528918	7.897566	7.319107	7.951635	7.98967	8.419827	7.973489	8.265812	8.019957	8.28183	8.519087	8.291715
METT10D	METT10D	8.271937	8.689745	8.101967	8.237524	7.896808	7.954641	7.993166	7.950567	7.702728	7.870073	7.583455	7.879102
METT11D1	METT11D1	7.303919	7.596258	7.148344	7.518931	7.353975	7.400876	7.26104	7.323623	7.208041	7.164722	7.018311	7.001762
METT5D1	METT5D1	7.662574	8.055015	7.501009	7.986967	7.678754	8.273661	8.025062	7.916416	7.855612	7.958979	7.680741	7.847352
METTL1	METTL1	7.875162	8.344873	7.838477	7.798357	7.604693	7.669691	7.419602	7.375736	7.365703	7.428535	7.399555	7.380735
METTL2A	METTL2A	7.39501	7.795439	7.222365	7.505693	7.532524	7.826442	7.557589	7.475643	7.532179	7.451148	7.209215	7.408561
METTL2B	METTL2B	7.091793	7.408314	6.917108	7.193838	7.132621	7.348201	7.206676	7.120653	7.068261	7.196207	6.966004	7.190559
METTL3	METTL3	10.3732	10.46119	9.948274	10.01768	9.947118	10.52476	9.955278	10.00695	10.06616	9.772659	9.57042	9.109278
METTL4	METTL4	8.159138	8.297327	8.085335	8.359397	8.017125	8.368553	8.227442	8.266175	8.117751	7.958124	7.793532	7.964586
METTL5	METTL5	10.9499	11.16331	10.35063	9.98604	10.19708	11.29227	10.70426	10.76189	10.83978	10.70872	10.93522	9.794375
METTL6	METTL6	7.767552	8.454136	7.689256	7.952667	7.831813	8.326281	7.780622	7.716197	7.938567	7.967767	7.593064	7.666851
METTL7A	METTL7A	8.404543	8.197673	7.046856	8.931608	8.297346	7.463286	7.640771	7.329143	7.64962	7.223442	7.138159	7.180152
METTL7B	METTL7B	7.05743	7.533254	7.111587	7.032831	7.064394	6.928999	6.913668	7.018402	7.015807	7.20773	6.94791	7.042371
METTL9	METTL9	7.45484	7.704129	7.408799	7.697953	7.785936	7.882083	7.611451	7.495315	7.597446	7.675221	7.353685	7.351395
MFAP1	MFAP1	9.861181	10.2364	9.556458	9.865573	9.65492	10.36322	9.710948	9.73477	9.847312	9.627639	9.249101	9.547731
MFAP2	MFAP2	8.024611	8.242877	7.862161	8.036346	7.976183	7.397339	7.536627	7.641422	7.974977	7.651985	7.93649	7.658917
MFAP3	MFAP3	7.826414	8.223184	7.883525	8.289491	8.032244	8.882908	8.273911	8.498795	8.247656	8.37154	8.171292	8.298098
MFAP3L	MFAP3L	6.917181	7.072999	6.841613	6.982969	6.92551	6.889569	6.811195	6.926807	6.865166	6.916294	6.818889	6.824064
MFAP4	MFAP4	8.100834	8.276732	10.8823	10.70445	11.84692	9.5548	11.21498	11.36503	11.76461	10.60955	10.89909	11.76146
MFAP5	MFAP5	7.04366	7.296485	7.037512	7.639667	7.415796	7.002622	6.939303	7.03832	6.837119	7.029073	8.009747	7.658477
MFGE8	MFGE8	14.32023	14.14271	12.42513	13.59831	13.44053	13.2762	13.38311	13.64203	13.46311	13.8471	13.42217	13.46883
MFHAS1	MFHAS1	8.088868	8.407418	7.54785	7.633217	7.567917	7.665536	7.259689	7.268872	7.332059	7.389462	7.396546	7.473836
MFI2	MFI2	6.948772	7.210895	7.075106	7.253434	7.063911	7.222508	7.073281	7.148151	7.106832	7.230481	7.123396	7.044723
MFN1	MFN1	7.350274	7.489946	7.1631	7.653824	7.365141	7.792187	7.33994	7.377918	7.446286	7.289493	7.199218	7.426011
MFN2	MFN2	9.084064	9.503367	8.737469	9.208902	9.700822	11.5294	10.69583	10.90598	10.75182	10.99722	10.70901	10.89258
MFNG	MFNG	7.436062	7.276381	6.926944	7.155926	7.091118	6.990582	6.922169	6.973772	7.11605	6.976158	6.793311	6.735892
MFRP	MFRP	6.75536	7.014192	6.713278	6.894735	6.806512	6.832362	6.718014	6.812824	6.771019	6.897567	6.720779	6.761496
MFSD1	MFSD1	8.306634	9.132604	8.999869	9.223599	9.474082	10.42005	9.806008	9.791902	9.889011	9.736396	10.01776	9.825577
MFSD2	MFSD2	7.336363	7.291389	7.002098	7.107655	7.055096	7.030499	6.962255	6.919839	6.93557	7.061984	7.022969	7.001512
MFSD3	MFSD3	11.56444	11.2041	10.35095	10.49222	10.55832	11.42867	10.90896	10.92696	10.88077	10.93556	10.32432	11.07997
MFSD4	MFSD4	6.863091	7.004299	6.752941	6.945284	6.942077	6.977214	6.942968	6.929576	6.923207	7.004083	6.822574	6.872452
MFSD5	MFSD5	8.638988	8.835314	8.576462	8.778694	8.650381	8.787243	8.425225	8.707506	8.654515	8.700466	8.912788	8.76368

MFSD7	MFSD7	7.077665	7.393388	6.910982	7.180216	6.988204	6.885212	6.823444	7.060746	6.957629	6.922633	6.797594	6.830266
MFSD8	MFSD8	8.189142	8.500407	8.449843	8.372565	8.644377	8.727457	8.30772	8.573046	8.425675	8.362503	8.187729	8.305621
MGA	MGA	7.769502	8.261714	7.723445	7.991144	7.78879	7.673383	7.631744	7.438806	7.555742	7.545445	7.180793	7.3654
MGAM	MGAM	6.812715	7.061672	6.808249	7.016526	6.902778	7.028312	6.859593	6.930752	6.895749	6.931273	6.780461	6.937225
MGAT1	MGAT1	9.595488	9.694121	9.330464	9.764898	9.85614	9.052458	9.011598	9.235578	9.248385	9.331267	9.522616	9.330991
MGAT2	MGAT2	8.347225	8.677444	8.405094	8.830669	8.878755	9.225831	8.891638	9.098431	8.823756	8.79457	8.935551	8.682338
MGAT3	MGAT3	6.871662	6.922847	6.874813	6.913428	6.999608	6.783009	6.787041	6.906036	7.002589	6.751018	6.792431	6.842841
MGAT4A	MGAT4A	6.970662	7.049543	6.919512	7.233403	7.01646	7.21203	7.023585	7.128464	7.132275	7.0483	7.029057	7.423033
MGAT4B	MGAT4B	7.734148	8.044338	7.348914	7.888499	7.792452	8.492384	8.08023	8.484097	8.183116	8.374623	8.75888	8.580702
MGAT4C	MGAT4C	7.520889	8.111681	7.007598	7.06981	7.292697	7.325225	7.416431	7.395593	7.366829	7.510066	7.062403	7.44666
MGAT5	MGAT5	7.05389	7.400469	7.227584	7.327064	7.370212	7.781746	8.008787	8.102655	8.358457	8.834317	8.489034	8.778848
MGAT5B	MGAT5B	7.0394	7.334278	6.970421	7.204815	7.058878	7.164178	7.044627	7.095275	7.012071	7.114736	6.940538	6.939725
MGC10334	MGC10334	7.15621	7.438291	7.038271	7.391967	7.203643	7.356502	7.19018	7.275488	7.164818	7.324173	7.300868	7.263334
MGC10433	MGC10433	9.242963	9.528289	9.081952	9.514255	9.284368	10.06573	9.29242	9.610965	9.250788	9.613463	9.918896	9.486941
MGC10471	MGC10471	10.69928	10.92368	11.17923	11.29428	11.25183	11.66678	11.38014	11.30554	11.35553	11.2052	10.74785	10.86202
MGC10646	MGC10646	6.8531	7.151426	6.876954	7.005604	6.997227	6.941692	7.010151	6.956734	6.876733	6.915789	6.844201	6.857811
MGC10701	MGC10701	6.899137	7.155199	6.866392	7.243697	7.214414	6.966208	7.003973	7.053468	6.911621	6.877266	6.705238	6.930696
MGC10911	MGC10911	8.539709	9.072545	8.253057	8.615027	8.25	8.470478	8.3152	8.177769	8.273319	8.483601	8.186402	8.309924
MGC10992	MGC10992	8.391509	9.001102	8.966329	9.826678	9.95806	10.03952	9.569911	9.343975	9.372545	9.100587	8.45304	8.808622
MGC10993	MGC10993	9.397036	9.533436	8.659305	8.582178	8.524962	8.798008	8.35976	8.521847	8.323349	8.551976	8.377779	8.014625
MGC10997	MGC10997	11.52251	11.66372	11.05067	11.09187	11.23643	11.18307	11.11584	10.84443	11.08665	11.04406	10.38349	10.79179
MGC11102	MGC11102	7.192575	7.357857	7.008509	7.173296	7.139636	7.18504	7.139929	7.010534	7.187976	7.142757	6.915704	7.099747
MGC11257	MGC11257	11.23636	11.7616	11.18784	11.50223	11.96904	12.05383	11.71889	11.58604	11.77158	11.66815	11.39569	11.41273
MGC11271	MGC11271	6.970043	7.049389	6.8783	7.063542	6.972369	7.047282	6.875979	6.960189	6.976127	6.920727	6.786895	6.889245
MGC11332	MGC11332	7.045592	7.160336	6.952687	7.084001	7.041314	7.172692	6.95671	7.06772	7.029831	7.010754	6.870188	6.931681
MGC11335	MGC11335	8.826737	8.881599	8.004832	8.412125	8.105677	7.880595	7.697703	7.678202	8.112294	7.689296	7.554077	8.133167
MGC11929	MGC11929	6.831367	7.21527	6.900161	7.07392	7.043851	7.062593	6.987259	7.014458	6.957817	7.014636	6.909238	7.009738
MGC12760	MGC12760	7.124574	7.390774	7.011446	7.299668	7.283968	7.268721	7.199446	7.142727	7.221236	7.085311	7.001645	7.02945
MGC12965	MGC12965	7.087145	7.34022	7.035948	7.184667	7.366028	7.311075	7.240232	7.125584	7.188829	7.151982	7.019393	7.397173
MGC12966	MGC12966	8.763362	8.934364	8.478159	8.659697	8.792213	8.736932	8.520479	8.787511	8.749261	8.611878	8.86233	8.71652
MGC12981	MGC12981	8.823013	9.233867	8.911056	8.726446	9.089324	9.564805	8.697035	8.778017	8.824192	8.643687	8.921021	8.86607
MGC13005	MGC13005	6.896357	7.059714	6.922928	7.108661	6.873349	7.028686	6.836809	6.948247	6.881804	6.966726	6.859823	6.837496
MGC13017	MGC13017	11.65933	12.53348	11.87301	12.37093	12.52287	12.29954	12.44412	12.02857	12.11883	11.89079	11.59728	12.13891
MGC13024	MGC13024	7.151065	7.289649	7.151268	7.366929	7.638576	7.757951	7.550752	7.470356	7.497244	7.27716	7.274734	7.376615
MGC13034	MGC13034	6.918386	7.2947	6.981219	7.026156	7.08689	7.162974	7.017936	7.0216	6.890087	7.108149	6.838857	7.044196
MGC13057	MGC13057	6.890124	7.122039	6.945445	7.192987	7.095225	7.590286	7.71992	7.769281	8.052513	7.920527	7.575326	7.369345

MGC13096	MGC13096	9.696379	9.908502	8.776175	8.778334	8.516778	8.697457	8.458956	8.446704	8.582064	8.406846	8.439082	8.546328
MGC13098	MGC13098	7.01736	7.15932	6.951644	7.164673	7.074214	7.109657	7.095445	6.98627	6.96304	7.038667	6.813105	7.049247
MGC13114	MGC13114	8.324615	8.724302	8.039369	8.07114	8.230766	8.21074	8.255763	8.125862	8.223258	8.335441	8.412145	8.114161
MGC13125	MGC13125	8.509446	8.848548	8.486482	8.614419	8.275551	8.322064	8.040629	8.097408	7.998036	8.135598	7.762139	7.79429
MGC13138	MGC13138	7.057169	7.391527	7.054335	7.343086	7.324522	7.359717	7.223113	7.191592	7.129645	7.220148	6.931936	6.90594
MGC13168	MGC13168	6.938649	7.125518	6.890244	7.098809	7.010652	7.186058	7.020101	6.997325	7.007762	7.031763	6.889715	6.831915
MGC13170	MGC13170	10.31115	10.69633	10.11147	9.886681	9.788413	9.214424	8.835138	8.576338	8.911629	8.857896	8.270182	8.260426
MGC13379	MGC13379	10.11212	10.64417	10.47382	10.21889	9.93266	9.445826	8.940028	8.798015	9.175953	8.632795	8.350241	8.231441
MGC14141	MGC14141	8.990214	9.662626	9.475505	10.60211	10.7651	11.13704	10.57048	10.21583	10.5101	10.70985	9.94117	10.03502
MGC14327	MGC14327	10.38133	10.5099	10.07934	10.30904	10.4787	10.60127	10.19234	10.32253	10.10838	10.42592	10.35788	10.32299
MGC14376	MGC14376	7.641041	8.344912	8.360682	9.641327	9.68488	10.65058	9.574411	9.613548	9.586543	9.841964	9.969179	9.890433
MGC14425	MGC14425	6.943661	7.23611	6.964797	7.176004	7.047664	7.354159	7.156626	7.195667	7.056599	7.146784	6.886525	7.086551
MGC15416	MGC15416	8.28659	8.411695	7.604001	7.99862	8.14126	9.962464	9.310263	9.559782	9.218813	9.69316	9.649218	9.225729
MGC15476	MGC15476	7.707721	8.105253	8.961101	11.25892	11.58391	12.13126	11.77316	11.3669	11.46462	11.00227	10.23617	10.42012
MGC15523	MGC15523	7.319454	7.544934	7.212484	7.641763	7.657873	7.469652	7.263774	7.345181	7.255865	7.375287	7.41415	7.247539
MGC15619	MGC15619	7.240265	7.330074	7.745481	7.39168	7.011751	7.10299	6.903655	6.992648	6.992826	6.95073	6.793912	6.850128
MGC15634	MGC15634	7.365299	7.819319	7.380919	7.392774	7.34856	7.351662	7.112435	7.248134	7.255097	7.235061	6.963496	7.027699
MGC15705	MGC15705	6.8847	7.014311	6.815986	7.119426	6.878457	6.996358	6.906664	6.928775	6.925439	6.949332	6.805655	6.866316
MGC15763	MGC15763	8.339794	8.578957	7.794224	8.069309	8.064039	8.868171	8.292297	8.131671	8.117527	8.199867	7.924477	7.894519
MGC15875	MGC15875	7.236408	7.427605	7.197202	7.642786	7.663559	7.753483	7.609502	7.680599	7.781674	7.654373	7.565168	7.534086
MGC15885	MGC15885	6.841879	6.999423	6.831389	7.011465	6.809965	6.962047	6.751161	6.863495	6.668329	6.872126	6.757363	6.747948
MGC15912	MGC15912	8.289971	8.873397	8.335947	8.569872	8.672223	8.878863	8.424232	8.253225	8.341245	8.0837	7.41523	7.641859
MGC16025	MGC16025	7.032203	7.229427	6.86446	7.121305	7.034803	7.040103	7.00665	7.008722	7.011762	6.975813	6.967531	6.962064
MGC16028	MGC16028	8.755237	9.160658	9.223406	9.427718	9.496293	10.20259	9.669641	9.554689	9.656894	9.58639	9.376403	9.098626
MGC16075	MGC16075	6.838132	7.120623	6.796609	7.051398	7.092824	7.005524	6.826341	6.948203	6.834315	6.97347	6.79702	6.847902
MGC16121	MGC16121	7.202937	9.532912	8.134529	9.338387	10.82385	9.040962	9.141651	9.039068	9.785594	9.013226	8.04785	7.791279
MGC16169	MGC16169	8.293351	9.044746	9.165318	9.698707	9.549329	9.79242	9.158169	9.074143	8.926383	8.913911	8.580616	8.66638
MGC16186	MGC16186	7.368984	7.596954	7.276195	7.613891	7.293802	7.297328	7.255915	7.206725	7.269231	7.21161	6.979891	7.132607
MGC16291	MGC16291	6.815165	6.905105	6.761521	7.038186	6.885443	6.81494	6.800928	6.913685	6.858833	6.879351	6.72135	6.71268
MGC16372	MGC16372	6.710399	6.955709	6.733287	6.879043	6.847706	6.936419	6.839001	6.9266	6.906355	6.789252	6.793567	6.736017
MGC16385	MGC16385	9.777737	9.895754	9.048418	9.438395	9.621504	10.16894	9.925902	9.817133	9.653893	9.567069	9.098398	9.377347
MGC16597	MGC16597	7.468873	7.746275	7.270999	7.473989	7.29832	7.477005	7.337431	7.286292	7.214783	7.326245	7.070866	7.406878
MGC16703	MGC16703	12.90458	13.67886	13.08961	13.61619	13.51108	13.35951	13.54932	13.12639	13.32331	13.27397	12.79948	13.14535
MGC16824	MGC16824	7.332692	7.754582	7.338774	7.465129	7.495393	7.490159	7.359892	7.534243	7.270734	7.470332	7.221387	7.192181
MGC16943	MGC16943	6.938686	7.038266	6.895819	7.09597	7.134336	7.378659	7.210222	7.134327	7.140058	7.07563	6.856552	7.122609
MGC17330	MGC17330	7.180846	7.368252	7.122968	7.406762	7.433034	7.909044	7.994338	8.227044	8.02189	8.334645	8.085204	8.421703

MGC17624	MGC17624	7.016019	7.560046	6.848613	7.244529	7.44052	7.493446	7.31272	7.244409	7.155202	7.268774	6.975327	6.868442
MGC17839	MGC17839	8.185569	8.662182	8.221119	8.797927	9.206187	9.896728	9.670979	9.671466	9.791581	9.977983	9.805517	9.555107
MGC18079	MGC18079	7.296271	7.404487	7.145405	7.430296	7.405947	7.396593	7.388211	7.391999	7.449571	7.47217	7.185254	7.303758
MGC18216	MGC18216	9.449283	9.589824	8.716885	9.196969	8.695949	8.447371	8.284243	8.342441	8.269596	8.208085	8.143607	8.628064
MGC19604	MGC19604	7.818123	8.307885	7.664496	7.791357	7.750664	8.790072	8.401333	8.399551	8.156884	8.607102	8.606762	8.153035
MGC19764	MGC19764	6.830602	7.204061	6.773362	6.991114	6.985411	7.070425	6.947648	6.997497	7.051531	7.04501	6.873514	7.198933
MGC20255	MGC20255	8.735119	9.307713	8.909661	8.995587	8.758487	9.335925	8.611249	8.745916	8.614285	8.589448	8.480719	8.323866
MGC20470	MGC20470	7.009732	7.04985	6.86992	7.366111	7.28989	7.551916	7.447542	7.549055	7.290777	7.250026	7.02145	7.049358
MGC20983	MGC20983	7.614526	7.535322	7.081245	7.09255	7.210584	7.243323	7.094916	7.273964	7.11887	7.068678	7.008427	7.008415
MGC21644	MGC21644	6.998762	7.090452	6.817216	7.04129	6.94336	6.972821	6.810243	6.96318	6.935241	6.984264	6.824717	6.896107
MGC21675	MGC21675	7.007698	7.213527	7.012021	7.225505	7.078685	7.239267	7.007032	7.08947	7.058725	7.109248	6.890866	6.932285
MGC21830	MGC21830	7.430215	7.697778	7.567901	8.168677	7.912177	7.763786	7.834787	7.850735	7.972482	7.867902	7.465336	7.295231
MGC21881	MGC21881	9.328356	9.30155	8.583004	8.411973	8.627125	9.08659	8.719929	8.90751	8.984456	8.608825	8.40612	8.78804
MGC22001	MGC22001	6.86322	7.153835	6.801993	7.039251	6.994447	6.995779	6.941068	6.954699	6.920669	6.955406	6.853878	6.899394
MGC22014	MGC22014	6.923392	7.060542	6.723296	6.981853	6.940299	6.955869	6.85568	6.956008	6.849203	6.910703	6.790515	6.811182
MGC22793	MGC22793	9.365854	9.476511	8.54237	8.334662	8.702769	9.504175	9.014883	9.019485	9.133163	9.274338	9.324305	8.779221
MGC23280	MGC23280	7.757767	7.920732	7.367051	7.729312	7.574883	7.819908	7.434032	7.423739	7.369506	7.478016	7.068506	7.618848
MGC23909	MGC23909	8.786995	9.866122	9.02273	8.815327	8.955229	8.83583	8.778218	8.192908	8.80154	8.544916	8.799587	8.275346
MGC23985	MGC23985	6.920144	6.878406	6.74496	6.895443	6.792083	6.956505	7.44947	7.329061	7.300548	8.081337	9.293922	7.757904
MGC24039	MGC24039	8.283766	8.270205	7.733214	9.47947	9.848869	11.00864	10.79482	10.77736	10.15124	10.54532	10.28911	10.36635
MGC2408	MGC2408	8.322437	8.73656	7.970298	8.010899	7.934803	7.779925	7.564091	7.41898	7.429187	7.454491	7.45333	7.634529
MGC24103	MGC24103	8.361819	9.392034	7.584785	10.57148	10.48445	7.860961	7.31781	7.576389	8.529146	7.563458	7.599429	7.876152
MGC24125	MGC24125	7.126221	7.33325	6.99798	7.246523	7.268351	7.211944	7.049549	7.092904	7.045106	7.106472	6.911606	6.947517
MGC24381	MGC24381	8.047004	8.272001	7.851895	8.126936	7.978911	8.162717	8.21989	8.127137	8.242909	8.447535	8.430179	8.596917
MGC2463	MGC2463	6.817944	7.059849	6.763711	6.961368	6.892829	6.755067	6.82903	6.783257	6.730964	6.711145	6.656437	6.794814
MGC24665	MGC24665	10.74332	10.81538	9.760842	9.834598	9.820928	10.0113	9.941921	9.948065	9.653786	9.820001	9.242284	8.728202
MGC2474	MGC2474	7.062779	7.209328	6.933117	7.304836	7.187091	7.273085	7.234984	7.019324	7.13449	7.307594	7.209773	7.193175
MGC24975	MGC24975	7.311895	7.68862	7.310198	7.425328	7.411657	7.524254	7.191522	7.234928	7.166103	7.352578	6.952098	7.166548
MGC2574	MGC2574	9.803146	9.963657	9.083227	8.957322	8.695709	9.196777	8.443341	8.567083	8.495725	8.544392	9.319063	8.527704
MGC2654	MGC2654	9.700645	9.607614	8.893798	8.975717	8.737	9.285612	8.944432	9.333946	9.316281	9.455207	9.745272	9.713273
MGC26647	MGC26647	6.76404	6.888368	6.789729	6.94221	6.843317	6.823015	6.810574	6.847644	6.781198	6.743548	6.78939	6.747902
MGC26718	MGC26718	6.837786	6.943486	6.902264	6.944034	6.993293	6.871343	6.861632	7.009778	6.852844	6.781138	6.681941	6.817545
MGC26733	MGC26733	7.012746	7.202655	6.962184	7.179459	7.075679	7.125779	7.043899	7.076463	7.060312	7.131469	7.001859	6.947109
MGC26816	MGC26816	6.775112	6.917263	6.68548	6.922251	6.926772	6.945004	6.853888	6.899267	6.819972	6.844765	6.556083	6.701112
MGC26856	MGC26856	8.576451	12.60144	11.91766	7.32802	7.031132	6.976849	6.929143	6.918906	6.987388	7.060673	6.887949	6.943147
MGC26885	MGC26885	8.663318	9.607624	8.624565	8.64759	8.41371	8.737887	8.496383	8.214324	8.547182	8.211503	7.926662	8.356846

MGC26963	MGC26963	6.847013	7.44983	6.804904	7.095205	6.862709	7.055308	6.920621	6.995207	6.984683	7.034325	7.113731	7.076628
MGC27016	MGC27016	6.848069	7.025867	6.793598	7.014787	6.898938	6.911491	6.777055	6.864291	6.892455	6.946399	6.768369	6.863078
MGC27121	MGC27121	6.836085	7.206203	6.732152	7.074276	7.00826	7.015372	6.937788	6.962002	6.970064	6.894705	6.806966	6.936033
MGC27165	MGC27165	6.816068	6.927339	6.781187	6.970733	6.892312	6.795926	6.75836	6.957408	6.882396	6.858061	6.781562	6.7549
MGC27345	MGC27345	7.757503	7.80368	7.523233	7.85819	7.658495	7.600642	7.313641	7.211461	7.238771	7.390316	6.994515	6.99614
MGC27348	MGC27348	7.115542	7.391598	6.954491	7.252672	7.266148	7.566843	7.254385	7.248317	7.166438	7.255189	7.18346	7.011319
MGC27382	MGC27382	7.025279	7.273542	6.922788	7.097329	7.010446	6.920155	6.975046	6.990236	6.945175	6.951006	6.880707	6.887588
MGC2747	MGC2747	8.911703	9.342282	8.990911	9.313271	9.188124	9.896833	9.264772	9.205276	9.383201	9.12772	8.974703	8.926955
MGC2749	MGC2749	9.358808	9.808907	9.076997	9.087038	8.951365	9.166746	8.956257	9.049818	8.911078	9.073042	9.325296	8.704505
MGC2752	MGC2752	7.316225	7.494254	7.334482	7.530992	7.443686	7.559842	7.407867	7.596591	7.391804	7.490516	7.274153	7.427014
MGC2803	MGC2803	10.06754	10.63771	9.981963	10.31633	10.27455	10.6451	10.4749	10.30648	10.52656	10.66738	10.54415	10.29833
MGC29506	MGC29506	7.063126	7.101405	6.845653	7.167388	7.005868	7.029855	7.001826	7.039647	7.013084	7.041648	6.933015	6.923718
MGC29671	MGC29671	6.97422	6.971248	6.830634	6.965433	6.915414	6.879304	6.84455	6.785724	6.838974	6.825513	6.784732	6.759746
MGC29891	MGC29891	12.1988	13.2011	12.60596	13.13486	13.05813	12.88078	13.09131	12.48066	12.89792	12.61535	11.90905	12.60366
MGC3020	MGC3020	7.7229	8.00385	7.649789	7.893806	7.875206	7.873546	7.468552	7.502068	7.516687	7.369218	7.187774	7.082086
MGC3101	MGC3101	9.149931	9.542469	7.746055	7.643642	7.182294	7.167225	7.096619	7.328711	7.403306	7.387602	7.898896	7.866239
MGC3121	MGC3121	9.191595	9.317904	8.957441	10.01541	10.02645	10.24495	10.24124	9.972411	10.2484	10.0122	9.388199	9.753972
MGC3123	MGC3123	7.108229	7.355746	7.027451	7.322256	7.265121	7.340549	7.139063	7.230991	7.319497	7.234126	7.190323	7.064001
MGC3196	MGC3196	8.111432	8.409401	7.747442	7.751757	7.957311	9.123078	8.240992	8.262993	8.066984	8.403886	8.236096	8.175003
MGC31967	MGC31967	7.376662	7.446531	7.220169	7.548896	7.614043	8.322494	8.136997	8.185278	7.988751	8.121833	8.0241	7.868873
MGC3207	MGC3207	8.966345	9.07301	8.813986	9.139522	9.239637	9.21572	8.8431	8.827015	8.881178	8.653838	8.545349	8.238511
MGC3265	MGC3265	7.248216	7.352362	7.083697	7.271118	7.197286	7.27114	7.06386	7.068954	7.138698	7.207366	7.165686	7.138501
MGC33212	MGC33212	9.454603	10.34289	10.18043	10.29765	10.34478	10.95	10.41533	10.17002	10.36445	9.993326	9.756219	9.248716
MGC33214	MGC33214	6.919648	7.304304	6.910755	7.133807	7.121504	7.27444	7.018315	7.065531	6.974869	7.013741	6.828345	7.082246
MGC33407	MGC33407	6.873402	7.007145	6.76241	6.998795	6.961829	7.005859	6.790265	6.968292	6.885582	6.939089	6.740114	6.8231
MGC33486	MGC33486	7.036179	7.187851	6.833873	6.997591	7.377568	7.094169	6.930297	7.08784	7.101736	6.998376	6.939223	6.859047
MGC33530	MGC33530	6.935014	7.224833	6.76505	7.219721	6.876748	6.84055	6.928663	6.906158	6.864176	7.009015	6.871266	6.820862
MGC33556	MGC33556	6.835676	7.094214	6.772819	7.029578	7.054692	7.151784	6.943904	7.041416	7.085943	6.873757	6.768972	6.726229
MGC33584	MGC33584	8.62332	8.385846	7.632179	7.991949	7.948189	8.093802	7.822682	8.053363	8.024642	7.935642	7.870344	7.669565
MGC33600	MGC33600	6.843705	6.989627	6.790374	7.073834	6.996116	7.023803	6.910512	6.930405	6.884832	6.999826	6.779643	6.727124
MGC33648	MGC33648	8.306057	9.196735	8.55786	8.502467	8.762045	9.041038	8.285636	8.204627	8.22642	7.990972	8.179436	7.862592
MGC33657	MGC33657	6.815889	7.116169	6.758374	7.18274	7.148516	7.154862	7.165034	7.03571	7.0213	7.063545	6.7607	6.899665
MGC33692	MGC33692	7.304846	7.534227	7.617816	8.579506	8.880704	8.115408	8.046977	7.954515	8.402707	7.96034	7.726644	7.903439
MGC33846	MGC33846	6.843356	7.147541	7.170876	7.197083	7.204316	7.355736	6.955759	7.113792	7.238937	7.246575	6.981122	7.164178
MGC33887	MGC33887	7.296604	7.486689	7.255785	7.418024	7.282099	7.37469	7.434142	7.267496	7.332085	7.22732	7.279444	7.321385
MGC33894	MGC33894	6.78903	6.993186	6.650383	6.971007	6.906832	6.94321	6.789578	6.852907	6.933105	6.904503	6.793634	6.789942

MGC3464	MGC3464	6.867016	6.982863	6.887175	7.062484	6.925355	6.957095	6.886412	6.83871	6.916541	6.787968	6.833689	6.864949
MGC3464	MGC3464	7.060911	7.319624	6.862138	6.996403	6.868037	6.846902	6.86131	6.890465	6.962719	7.007288	6.717443	6.848732
MGC3472	MGC3472	6.872266	7.116086	6.773068	6.959115	6.939304	6.97851	6.915963	6.949651	6.848648	6.945234	6.763207	6.893252
MGC3473	MGC3473	6.832353	6.983156	6.785043	6.983094	6.84667	6.859648	6.799879	6.807517	6.805628	6.788084	6.715761	6.784679
MGC3476	MGC3476	6.989084	7.269967	6.954714	7.306609	7.102229	7.198725	7.186138	7.067575	7.114742	7.103989	7.011182	7.037013
MGC3477	MGC3477	6.831885	7.032954	6.760263	7.113065	6.866203	6.992381	6.966144	6.941949	6.843301	6.854364	6.729434	6.878595
MGC3480	MGC3480	6.843905	7.063675	6.996309	6.977853	7.072956	6.95417	6.938554	6.89438	6.900862	6.936319	6.726241	6.782501
MGC3482	MGC3482	6.868638	7.034256	6.773721	6.955551	6.944411	6.836934	6.875006	6.961865	6.856669	6.944949	6.722421	6.924149
MGC3482	MGC3482	6.945493	7.024438	6.880247	7.194279	7.07728	7.043442	6.893792	7.004808	6.986499	6.954333	7.017905	6.888641
MGC3482	MGC3482	6.890676	7.214378	6.953399	7.09973	6.999724	6.969893	6.842368	6.981974	6.941853	6.94088	6.900317	6.962969
MGC3483	MGC3483	7.254942	7.252739	7.091268	7.386162	7.144302	7.101465	6.906351	7.101243	7.483508	7.071932	7.615431	7.331256
MGC3503	MGC3503	6.905206	7.057859	6.820807	7.062309	6.980543	6.954205	6.918218	6.997268	6.901602	6.882794	6.7074	6.849896
MGC3504	MGC3504	6.793253	7.068282	6.936081	7.06787	6.895806	6.912097	6.828128	6.967727	6.860173	6.903235	6.692233	6.811549
MGC3515	MGC3515	6.923492	7.073617	6.765812	7.07975	6.925159	7.036879	6.919041	6.937916	6.839743	6.920065	6.7202	6.835638
MGC3520	MGC3520	6.94166	7.366565	7.069746	7.149685	7.030567	7.181028	7.040996	7.035952	6.953659	6.968192	7.011496	6.967063
MGC3521	MGC3521	7.194953	7.039783	6.8568	6.947748	6.898592	6.932022	7.053203	6.897936	6.93808	6.922967	6.774036	6.776072
MGC3529	MGC3529	6.893535	6.991989	6.624092	7.014573	7.000008	6.99477	6.87943	6.881372	6.819544	6.938737	6.881594	6.858582
MGC3530	MGC3530	6.957354	7.103862	6.938382	7.066206	7.103102	7.108977	7.015865	6.975754	7.011553	7.144405	6.797858	7.036045
MGC3536	MGC3536	7.38418	7.642851	7.479	7.666816	7.669935	7.960532	7.701682	7.789969	7.607294	7.96973	7.466498	7.505281
MGC3540	MGC3540	6.897304	7.211628	7.15357	7.20084	6.985913	7.016558	6.90638	6.955635	6.879801	6.918551	6.855817	6.882029
MGC3544	MGC3544	7.005131	7.275061	7.036508	7.226711	7.225398	7.136179	7.070171	7.138046	7.080936	7.011769	6.879707	6.868233
MGC3731	MGC3731	10.5478	10.95735	10.48071	10.46204	10.59038	10.75067	10.21535	10.10303	10.18017	10.06779	9.395808	9.117545
MGC3937	MGC3937	6.899265	7.036688	6.87116	7.104494	7.052621	6.988241	6.955787	6.987579	6.917334	6.881347	6.781999	6.831584
MGC3949	MGC3949	6.986858	7.206882	6.836197	7.151223	7.014434	7.218389	7.036174	7.113	6.982153	7.080845	6.949028	6.929235
MGC3954	MGC3954	6.879479	7.057601	6.79825	7.030242	7.030502	6.976775	6.957889	7.01556	6.863246	6.989018	6.808587	6.820904
MGC3958	MGC3958	7.04362	7.354866	6.934926	7.123209	7.061565	7.085716	6.973204	6.960752	7.027308	7.092228	6.871074	7.039041
MGC3958	MGC3958	6.81434	6.988618	6.732684	6.971972	6.86074	6.86077	6.831159	6.905994	6.833829	6.820407	6.691477	6.850085
MGC3960	MGC3960	6.916178	7.113532	6.837709	7.06016	6.989392	6.922588	6.91286	6.857742	6.770018	6.87283	6.779243	6.826988
MGC3963	MGC3963	9.022323	9.186669	8.262006	8.060056	7.954651	8.668434	8.166064	8.477426	8.455267	8.182088	8.137698	8.017045
MGC3966	MGC3966	6.822861	7.033316	6.858694	7.036273	6.802814	6.844197	6.917282	6.90002	6.830837	6.917369	6.882961	6.780952
MGC3968	MGC3968	6.930748	7.173637	6.951539	7.045296	7.010275	7.153347	6.905896	7.052134	6.943556	7.037073	6.894279	6.880028
MGC3971	MGC3971	6.9862	7.097781	6.912197	7.036663	6.946503	6.935506	7.006157	6.993644	6.93256	7.025088	6.800848	7.032554
MGC3990	MGC3990	10.81343	10.90962	11.09336	10.95773	10.59164	10.30646	9.999116	9.953244	10.50155	9.913391	9.327983	8.250668
MGC4006	MGC4006	6.999906	7.175956	6.827679	6.946276	7.030527	7.045472	6.957317	7.147663	7.005765	7.011991	6.871865	6.950072
MGC4016	MGC4016	7.372384	7.394392	6.892814	7.108985	6.954708	6.921689	6.949896	6.95185	6.816422	6.951014	6.695178	6.798
MGC4017	MGC4017	6.883091	7.174793	6.988445	7.038594	7.004686	7.089663	7.026427	7.015373	6.960148	7.14536	6.99368	6.994449

MGC40222	MGC40222	6.897456	7.160789	6.786195	7.020174	6.828735	7.136535	6.979303	7.039912	6.861206	6.973299	6.808951	6.810312
MGC40405	MGC40405	9.624346	10.09521	9.713538	9.472949	9.287504	9.770921	9.067881	9.020055	9.162925	8.817502	8.568864	8.668245
MGC40489	MGC40489	8.009211	8.563705	7.784738	7.793566	7.730094	7.80384	7.786182	7.47204	7.676916	7.481385	7.250345	7.159975
MGC40499	MGC40499	7.5314	7.862585	7.603667	7.902671	7.947071	7.711566	7.698249	7.696597	7.726438	7.651983	7.498395	7.483667
MGC40574	MGC40574	6.814819	7.063971	6.772126	6.885651	6.957829	7.002035	6.9906	6.844452	6.851547	6.897114	6.696565	6.797709
MGC40579	MGC40579	7.830736	7.699868	7.47192	7.73716	7.707188	8.018799	7.64971	7.744508	7.81858	7.453463	7.24544	7.695828
MGC4093	MGC4093	7.749799	8.287766	8.090929	8.316873	8.31772	8.44685	8.220974	7.927062	8.084171	8.104529	7.684221	7.83626
MGC4172	MGC4172	9.814478	9.651811	8.504162	8.321696	8.264305	9.147938	8.577142	8.443897	8.376963	8.379431	7.910096	8.07788
MGC41945	MGC41945	6.926401	7.189471	6.898653	7.061677	7.004744	7.110731	6.939937	7.063082	6.946895	7.016437	6.866809	6.935807
MGC42090	MGC42090	6.912639	7.090475	6.836445	6.947138	6.930381	7.037538	6.936379	6.983363	6.946445	6.986683	6.887173	6.8713
MGC42105	MGC42105	6.844554	6.864188	6.615882	6.94467	6.836611	6.894779	6.814761	6.845826	6.803567	6.923995	6.847362	7.083129
MGC42174	MGC42174	7.446799	7.726354	7.618067	7.843546	7.689937	7.857922	7.701652	7.821007	7.657569	7.80593	7.645835	7.684665
MGC42367	MGC42367	7.070172	7.081695	7.236988	7.296036	7.03523	7.136246	7.010573	7.360157	7.22491	7.38241	7.427188	7.534215
MGC42630	MGC42630	7.174394	7.530718	7.363932	7.499491	7.802802	8.088809	8.013645	7.678212	8.106065	7.645519	7.282328	7.430711
MGC42638	MGC42638	6.984664	7.093774	6.986617	7.0613	6.918132	6.959202	6.976146	6.831977	6.921499	6.967148	6.745374	6.814428
MGC4266	MGC4266	6.888459	7.090719	6.84478	6.914173	7.025296	7.067344	6.932655	6.894747	6.946297	6.853444	6.737171	6.873756
MGC4268	MGC4268	8.991585	9.285176	8.756264	9.262769	8.952199	9.142487	8.919111	8.824776	9.076278	8.858504	8.682712	8.892374
MGC4294	MGC4294	6.949182	7.017304	6.769867	7.089478	6.82355	6.957459	6.788896	7.002502	6.872789	6.8375	6.903332	7.05017
MGC43122	MGC43122	6.948652	7.326724	6.824501	7.142547	7.007876	7.11286	6.97577	6.976211	6.925199	7.139467	6.923282	7.028079
MGC4399	MGC4399	6.925679	7.125383	6.806825	6.974399	6.892884	6.95357	6.822563	6.869503	6.900544	6.970878	6.799526	6.704671
MGC44328	MGC44328	6.85495	7.000985	6.861569	7.060245	6.924196	6.872655	6.821864	6.92356	6.853341	6.924466	6.776844	6.700139
MGC44505	MGC44505	6.874038	7.045161	6.839941	7.042773	6.907946	7.089627	6.907965	6.878404	6.906558	6.916522	6.791541	7.028427
MGC45438	MGC45438	6.88835	7.183033	6.838333	7.086084	7.093295	7.026406	7.02571	7.075534	6.955344	7.023074	6.754152	6.946726
MGC45491	MGC45491	6.957869	7.072484	6.858232	7.042596	7.007607	7.023213	6.905769	6.932458	6.909411	6.980145	6.800342	6.903128
MGC4562	MGC4562	9.702224	10.09178	9.39348	9.705248	9.93951	10.54191	10.07639	9.813723	9.856061	9.822639	8.937807	9.371717
MGC45800	MGC45800	7.313857	7.975712	7.170254	7.363704	7.242692	7.76384	7.239763	7.208576	7.146651	7.063097	6.854016	6.849386
MGC45840	MGC45840	9.287359	9.00601	8.101684	8.091159	8.237557	8.832903	8.599585	8.467533	8.378304	8.437341	8.478565	8.235977
MGC45871	MGC45871	7.126926	7.227871	6.854409	7.120751	7.132127	7.121375	7.121211	6.992427	6.926127	6.964513	6.819906	6.918353
MGC45922	MGC45922	6.839226	7.008617	6.866293	7.025513	6.967163	6.987744	6.858185	6.844276	6.953267	6.878377	6.755434	6.813872
MGC4618	MGC4618	7.758738	8.171229	7.868612	8.631937	8.728449	8.972895	9.170976	9.080561	9.111178	9.226714	8.465476	8.753353
MGC46336	MGC46336	6.971656	7.057406	6.827575	6.969059	7.020219	7.098312	6.879989	7.003607	6.967237	6.963552	6.831725	6.857465
MGC46496	MGC46496	6.845154	7.016546	6.869537	7.080406	6.950367	6.957585	6.87999	6.957952	6.927371	7.005213	6.829446	6.878625
MGC4655	MGC4655	6.980279	7.025267	6.871122	7.178209	6.926611	7.034959	6.986856	6.973807	6.985302	7.111132	6.965071	6.895924
MGC4677	MGC4677	8.088187	10.59033	9.035734	9.302183	8.780708	9.506088	9.1443	9.358196	9.495354	9.785909	10.76752	9.056596
MGC4728	MGC4728	8.097832	8.655856	8.142133	8.251323	8.296507	8.534221	8.351274	8.13183	8.137366	8.086334	7.989288	8.199213
MGC4825	MGC4825	9.305262	10.13796	9.705008	9.616339	9.6356	10.64046	10.1851	10.06887	10.32443	10.37656	10.264	9.701663

MGC48595	MGC48595	6.891198	7.090934	6.821242	6.999867	6.91328	7.121388	6.854204	7.029331	6.90544	6.896279	6.805157	6.888587
MGC48628	MGC48628	6.917785	7.088927	6.73969	7.063468	6.845483	6.892274	6.847456	6.898327	6.932858	6.946031	6.728608	6.760006
MGC48637	MGC48637	6.869283	7.083878	6.811806	7.051059	6.999764	7.05704	6.968467	7.031729	6.976333	6.999503	6.804343	6.884335
MGC48915	MGC48915	6.765653	7.035765	6.710308	6.931481	6.776787	6.685432	6.709005	6.861143	6.797176	6.842318	6.733761	6.805552
MGC50273	MGC50273	6.821925	6.921039	6.777972	6.970084	6.83205	6.892125	6.816011	6.941314	6.810425	6.927584	6.809629	6.802683
MGC50372	MGC50372	7.030834	7.060104	6.711216	7.047176	6.880906	7.008708	7.01643	6.9896	7.04838	7.045922	6.761861	6.862382
MGC50559	MGC50559	7.010828	7.061449	6.917835	7.061365	6.938031	6.926978	6.903588	7.071609	6.939252	6.9938	6.962715	6.805662
MGC50721	MGC50721	6.978852	7.08236	6.772669	7.016007	6.869282	7.031723	6.861637	6.984732	6.937697	7.000804	6.880488	6.821356
MGC50722	MGC50722	7.015253	7.212576	6.933926	7.03678	6.968577	7.041785	6.926687	6.96237	6.993442	7.03138	6.888513	6.897362
MGC50811	MGC50811	7.096628	7.14488	6.897234	6.974661	7.043989	6.975395	6.919214	6.988672	6.854855	7.143132	6.851936	6.84502
MGC51025	MGC51025	6.944645	7.033877	6.799898	7.032928	7.002744	6.979733	6.810058	6.895042	6.869003	6.808491	6.823475	6.815476
MGC5139	MGC5139	7.655588	8.023683	7.575637	7.999133	7.658243	7.695614	7.355492	7.318203	7.308061	7.350307	7.235963	7.289446
MGC52000	MGC52000	8.395332	8.902723	8.58269	8.973334	9.217416	9.581906	9.40945	9.541028	9.212884	9.465151	9.028338	9.051626
MGC52057	MGC52057	8.009145	7.913988	7.873826	9.537542	8.880911	8.032205	7.596678	7.456496	7.302257	7.267215	6.983838	7.054333
MGC52110	MGC52110	9.771069	9.725361	9.445781	9.971019	10.24168	11.18534	10.86457	10.6519	10.75964	10.76738	10.14766	10.71085
MGC52282	MGC52282	6.740325	6.950564	6.703752	6.918667	6.878292	6.899699	6.758127	6.839554	6.810209	6.968928	6.817766	6.737299
MGC5242	MGC5242	8.603945	9.26833	8.862424	9.026129	8.764995	8.338377	8.334249	8.230724	8.299996	8.392206	8.002056	8.25715
MGC52423	MGC52423	6.983945	7.323906	6.893001	7.092626	7.027691	7.03565	6.936186	7.016931	7.026311	6.999892	6.808985	6.993778
MGC52498	MGC52498	6.962699	7.215262	6.934917	7.192528	7.08349	7.152512	6.928258	6.990561	6.951785	7.033168	6.873392	6.945963
MGC5352	MGC5352	9.177435	9.393265	8.359044	8.502212	8.000432	8.54897	8.041078	8.014799	8.002158	8.190254	8.144445	8.16904
MGC5457	MGC5457	7.030196	7.291095	7.019308	7.351852	7.362043	7.58271	7.729111	8.004327	7.657807	7.876075	7.451464	7.267185
MGC5509	MGC5509	8.155968	9.007035	8.311843	8.327882	8.291768	9.387641	8.645804	8.637104	8.841386	8.759787	8.722466	8.828775
MGC57346	MGC57346	9.419892	9.410525	8.290287	8.457152	8.391047	7.947821	7.839043	7.945064	7.927448	7.778536	7.660121	7.753208
MGC57359	MGC57359	6.906741	7.192594	6.873174	7.117749	7.003661	7.05026	6.968148	7.056262	6.956915	6.977687	6.866669	6.892426
MGC59937	MGC59937	7.665673	7.632961	7.221406	7.629922	7.659366	7.737678	7.294294	7.354747	7.40994	7.323578	6.983574	7.256536
MGC61571	MGC61571	8.913241	9.374684	8.678185	8.522351	8.719115	9.735955	9.255338	9.077101	9.1594	9.403183	9.190484	8.77902
MGC61598	MGC61598	8.613438	8.574848	7.728926	7.635145	7.421069	7.403452	7.194079	7.245046	7.260454	7.224785	6.947981	6.990391
MGC62100	MGC62100	6.999673	7.262144	6.922431	7.024715	7.094808	7.018343	7.011715	7.006611	6.936511	7.057947	6.913515	6.911508
MGC7036	MGC7036	7.532588	7.674326	7.709537	7.870096	7.786601	7.979201	7.599619	7.533528	7.521189	7.548175	7.50832	7.492535
MGC70857	MGC70857	7.901562	8.294744	7.71718	7.935899	8.058279	8.10829	7.995029	8.159703	8.05278	8.150378	8.167597	7.976856
MGC70863	MGC70863	7.177958	7.377489	7.163293	7.332208	7.313513	7.676939	7.366122	7.383167	7.234623	7.289126	7.229278	7.118896
MGC70870	MGC70870	6.991631	6.978638	6.824572	7.092598	6.938402	6.913149	6.943496	6.894851	6.834177	6.898993	6.857832	6.770302
MGC70924	MGC70924	7.266926	7.403187	7.031529	7.208117	7.08162	7.317054	7.107026	7.130262	7.126711	7.191006	6.936739	6.956279
MGC71805	MGC71805	6.929157	7.070732	6.785045	7.08332	7.038973	7.212469	7.003498	7.044012	7.027831	6.980928	6.842815	6.973845
MGC71993	MGC71993	10.00938	10.4387	10.05284	10.57228	10.54497	11.18181	10.88108	10.92915	10.92698	11.23028	11.45923	10.84048
MGC72075	MGC72075	8.366135	8.165918	7.390318	7.629529	7.552823	7.642574	7.21793	7.24949	7.213191	7.171617	6.954399	7.048648

MGC7208(	MGC7208(	7.276593	7.913787	7.278078	7.688156	7.823891	8.57106	8.152598	8.071284	8.067943	8.24096	8.128706	7.906902
MGC7210⁴	MGC7210⁴	9.083198	9.218655	9.131303	9.284246	9.440152	9.447233	9.044427	8.912393	9.029953	8.789686	8.685486	8.453312
MGC7536(	MGC7536(	6.957958	7.122432	6.758879	7.191393	7.109302	7.118607	6.981295	7.020238	7.01224	7.153534	6.805311	7.078738
MGC8763₁	MGC8763₁	7.01179	7.074176	6.909874	7.040225	7.008061	6.989782	7.014094	7.032485	6.911864	7.035956	6.803812	6.949377
MGC8837⁴	MGC8837⁴	6.652224	7.027921	6.677884	6.859236	6.771797	6.783659	6.821891	6.895929	6.819897	6.870797	6.632351	6.697518
MGC8838₇	MGC8838₇	7.242656	7.577287	7.102576	7.339419	7.354172	7.635057	7.481497	7.428975	7.488176	7.602945	7.212169	7.210918
MGC9712	MGC9712	6.865293	7.117709	6.908391	7.15268	6.962418	7.121844	6.994509	6.956617	6.98294	7.06931	6.820551	6.768201
MGC9850	MGC9850	9.783339	9.491966	9.005848	9.095601	9.114884	9.35482	8.772087	8.942604	8.791228	8.821926	8.692301	8.477781
MGC9981₃	MGC9981₃	7.581225	7.702932	7.132507	7.328258	7.29545	7.230818	7.246857	7.303384	7.350564	7.378837	7.176359	7.134469
MGEA5	MGEA5	12.27399	12.46255	11.9613	12.33453	11.73066	11.94362	11.17694	11.04415	11.21345	10.87235	10.5822	10.88298
MGLL	MGLL	6.856922	7.093228	6.862571	7.093613	6.932419	7.060848	7.024678	7.217419	7.134576	7.446938	7.886978	7.42446
MGMT	MGMT	9.21268	9.661555	8.867495	8.901751	8.851602	8.885056	9.007066	8.618312	8.987306	8.693498	8.436145	8.743175
MGP	MGP	6.92157	7.107129	6.815572	7.848551	10.91508	9.568343	12.48587	13.26541	13.34012	12.86593	13.63245	11.76097
MGRN1	MGRN1	8.037889	8.171408	7.491464	8.151278	7.905003	8.483674	8.032625	8.128653	7.967565	7.958912	8.401525	7.795876
MGST1	MGST1	10.35425	10.48962	9.280254	8.609655	8.356173	8.827751	7.775222	7.577047	7.49227	7.459374	7.836171	7.764395
MGST2	MGST2	8.605947	9.122002	11.03937	10.97526	10.83928	12.23464	11.83973	12.09652	12.13184	12.32174	12.0173	11.37896
MGST3	MGST3	11.5547	11.93083	11.49565	12.357	12.5896	14.01264	13.83783	14.02384	13.98495	14.11207	13.77315	12.97559
MIA	MIA	6.891364	7.087606	6.785697	7.043122	6.885191	6.918158	6.858358	7.02283	6.943792	6.978718	6.869197	6.997694
MIA2	MIA2	6.773463	6.987103	6.732754	6.967475	6.858853	6.847778	6.804363	6.907957	6.813383	6.854343	6.670622	6.79805
MIA3	MIA3	7.259877	7.235137	7.170908	7.41329	7.234829	7.260552	7.085392	7.393079	7.126227	7.196094	7.10456	7.196829
MIB1	MIB1	7.599713	7.815119	7.580802	7.910257	8.045661	8.04136	7.577152	7.617501	7.679572	7.605549	7.241528	7.360073
MIB2	MIB2	7.509475	7.681675	7.411402	8.047734	8.109674	8.48491	8.219499	8.356472	7.990716	8.255482	8.274686	8.147527
MICA	MICA	7.478112	7.508072	6.99852	7.253929	7.323423	7.600685	7.725813	8.014471	8.235732	8.357961	8.928803	8.482906
MICAL1	MICAL1	8.816727	9.715256	8.546815	8.89156	8.072767	7.75904	7.709	7.710028	7.842001	7.605817	7.820296	7.445986
MICAL2	MICAL2	6.861698	7.109826	6.890419	7.450781	7.450738	8.468742	8.452936	8.675402	8.428599	8.832535	8.505043	7.854615
MICAL3	MICAL3	6.807288	7.040442	6.783538	6.996339	6.924787	6.855533	6.832708	6.938192	6.957924	6.931298	6.726331	6.734316
MICALCL	MICALCL	6.777777	7.031502	6.799051	7.265816	7.001785	7.600495	7.142868	7.458435	7.199042	7.303874	7.369667	7.145407
MICAL-L1	MICAL-L1	7.592321	8.125291	7.633315	8.038027	7.640404	7.721632	7.532759	7.592701	7.456964	7.50863	7.51195	7.40019
MICAL-L2	MICAL-L2	7.017961	7.211664	6.858213	7.135337	7.05505	7.124212	6.967554	7.110825	6.988134	7.007826	6.904744	6.96898
MICB	MICB	9.76189	9.145549	8.311745	7.486139	7.135722	7.215017	6.952651	6.995608	7.191707	7.22569	7.169567	7.334136
MID1	MID1	8.849852	8.939184	8.816265	9.393238	9.117181	9.912843	9.488194	9.691099	9.149261	9.617459	9.28057	9.146342
MID1IP1	MID1IP1	9.545296	9.523043	8.954376	8.644901	8.076914	7.995737	7.737555	8.003421	8.026895	7.99002	8.536829	7.941096
MID2	MID2	7.05682	7.349196	7.399845	7.360805	7.17342	7.384219	7.290099	7.187607	7.235339	7.236699	7.186644	7.315831
MIDN	MIDN	10.04739	10.7104	10.15127	10.38854	9.750532	9.916609	9.39753	9.324001	9.354689	9.319177	9.306716	8.925823
MIER1	MIER1	8.591644	8.734066	8.340235	8.637707	8.450506	8.712328	8.414106	8.403563	8.398805	8.283422	8.062456	8.032277
MIF	MIF	13.32504	14.00563	13.08249	13.19342	13.43252	13.07219	13.08293	12.71248	13.04037	13.2638	13.24002	13.47677

MIF4GD	MIF4GD	8.228846	8.308592	7.598692	7.624376	7.641617	8.011835	8.015074	7.929821	8.017532	8.250642	7.980261	8.323447
MIMITIN	MIMITIN	10.80282	11.12059	10.40539	10.03264	10.14026	10.68558	10.25624	10.12896	10.36072	10.50393	10.88186	10.1229
MINA	MINA	7.126005	7.340162	7.051256	7.315976	7.171149	7.274677	7.143979	7.242446	7.249309	7.200606	7.131545	7.135103
MINK1	MINK1	6.886473	7.100235	6.775163	7.045933	6.975122	7.041601	6.86511	6.997721	6.909576	6.905552	6.755783	6.937773
MINPP1	MINPP1	8.421998	8.865854	8.162041	8.54235	8.396773	8.305831	8.194321	7.995801	8.258495	8.051227	8.283758	8.352385
MIOX	MIOX	6.816051	6.909025	6.699846	6.987697	6.907652	6.904637	6.851108	6.919837	6.812342	6.804938	6.701313	6.774304
MIP	MIP	6.774587	6.910802	6.888095	6.98152	6.898803	6.9146	6.773975	6.897477	6.844547	6.950323	6.641298	6.909028
MIPEP	MIPEP	8.635225	8.657352	8.226789	8.366551	8.08481	9.238489	8.381573	8.584699	8.469553	8.543283	8.423873	8.336425
MIPOL1	MIPOL1	7.328347	7.341804	7.130323	7.436268	7.158111	7.33103	7.110032	7.153456	7.205383	7.224147	6.988192	7.093931
MIR16	MIR16	8.46955	8.31426	7.87858	8.791785	8.935423	9.290685	9.188702	9.325613	9.143234	9.495558	9.048666	9.0662
MIS12	MIS12	10.13431	10.62929	10.41198	10.42639	10.38401	10.66553	10.13146	9.857057	10.09496	9.945849	9.478508	9.702301
MIST	MIST	6.864245	7.111111	6.852694	7.059047	6.97276	6.917961	6.932982	6.941257	6.867058	6.938788	6.925088	6.868095
MITF	MITF	7.334798	7.80853	7.22076	7.724248	7.565948	8.45998	7.995837	7.980173	7.653444	7.951011	7.674795	7.602296
MIXL1	MIXL1	6.857757	7.019562	9.471815	7.389656	7.043136	7.022715	7.008725	7.119731	7.01372	7.068199	6.92236	6.884102
MIZF	MIZF	8.33783	8.675049	8.083313	8.259765	8.127968	8.473354	8.035384	8.076872	8.01921	7.929079	7.847542	7.912106
MKI67	MKI67	7.79603	7.742574	7.493057	7.961159	7.480831	7.421131	7.320678	7.201914	7.223434	7.193981	6.904829	6.937522
MKI67IP	MKI67IP	10.74821	11.57741	10.73395	10.8205	10.42158	10.90847	10.11446	10.0664	10.2478	10.03153	9.969275	9.78604
MKKS	MKKS	9.389125	9.531287	8.863501	9.190089	9.153424	10.07953	9.613614	9.4502	9.510195	9.46102	8.900432	9.00426
MKL1	MKL1	7.374786	7.784289	7.060996	7.751515	7.597366	7.945512	7.516856	7.843481	7.453429	7.707141	8.073281	7.474561
MKL2	MKL2	7.507561	7.756145	7.501436	8.473967	8.328523	8.294747	8.247557	8.04486	7.978589	7.855893	7.38726	7.675113
MKLN1	MKLN1	9.974998	9.691215	9.989847	10.51719	10.24522	10.74791	10.10868	10.07422	10.07079	9.890073	9.354611	9.622222
MKNK1	MKNK1	7.650134	7.544696	7.291954	7.79451	7.694647	7.859265	7.682235	7.900879	7.739895	7.779399	7.783012	7.706013
MKNK2	MKNK2	9.983489	10.04192	9.069898	9.209029	9.031701	8.754775	8.632903	8.72585	8.666477	8.818403	8.605464	8.772305
MKRN1	MKRN1	11.7848	12.04052	11.36388	11.58968	11.6714	12.78294	12.34977	12.472	12.10753	12.06545	11.717	11.85679
MKRN2	MKRN2	9.089279	9.129415	8.975308	9.796543	10.053	10.89381	10.42916	10.57109	10.27704	10.38936	10.61871	10.53865
MKRN3	MKRN3	7.096687	7.29853	7.052195	7.101088	7.031312	6.942474	6.901779	6.931625	6.992956	6.873211	6.826122	6.945193
MKS1	MKS1	7.430311	7.809638	7.525648	7.838198	7.477364	7.68806	7.40533	7.363181	7.460816	7.409631	7.183034	7.451048
MLANA	MLANA	6.777325	6.966765	6.707471	6.989295	6.838867	6.940929	6.806846	6.814529	6.886171	6.793272	6.749612	6.731871
MLC1	MLC1	6.806765	6.935475	6.771154	7.027861	6.899402	6.850153	6.835387	6.953433	6.816207	6.869851	6.795426	6.741975
MLC1SA	MLC1SA	11.89707	12.57731	11.68195	12.01296	12.09504	11.98278	11.82565	11.64984	11.99422	11.7933	11.47039	11.17198
MLCK	MLCK	6.722762	7.133814	7.257133	7.798729	8.315605	10.67376	9.855787	10.02205	9.41632	9.803687	9.476173	9.746932
MLF1	MLF1	7.816397	7.885491	7.840535	8.021637	8.02962	9.494987	9.918749	9.707494	9.934499	9.843324	8.535341	8.97658
MLF1IP	MLF1IP	8.695842	9.396599	9.050144	8.927792	8.019401	7.845198	7.494344	7.520456	7.577066	7.661166	7.019726	7.028957
MLF2	MLF2	9.85652	10.30426	9.616736	9.9246	10.01175	10.52993	9.883105	10.14708	9.907876	10.15483	10.64648	9.81959
MLH1	MLH1	9.51105	10.02156	9.72411	9.680311	9.448107	10.19131	9.835978	9.802722	9.835357	9.911373	9.302673	9.256824
MLH3	MLH3	7.260064	7.48121	7.252992	7.364566	7.314079	7.61317	7.222275	7.369249	7.280922	7.325597	7.257888	7.191438

MLKL	MLKL	7.507936	7.598351	6.884312	6.995455	6.910709	7.035301	6.838237	6.940197	6.930873	6.919377	6.854279	6.965144
MLL	MLL	7.499943	7.875437	7.390989	7.746413	7.411186	7.462816	7.155835	7.432213	7.432804	7.298967	7.333281	7.323586
MLL2	MLL2	7.043337	7.324282	6.981484	7.132112	7.11924	7.206619	7.070294	7.013655	7.100508	7.007405	7.107745	7.087688
MLL3	MLL3	7.412134	7.849203	7.388971	7.698503	7.594145	7.834522	7.494882	7.572654	7.56743	7.567741	7.378187	7.554242
MLL4	MLL4	8.162773	8.375297	7.720463	8.418742	8.115785	7.934269	7.745771	7.85452	7.793141	7.624664	7.634079	7.595938
MLL5	MLL5	7.526678	7.882922	7.477118	7.850958	7.987795	8.220492	7.920864	7.913768	8.039808	7.784539	7.54193	7.702287
MLLT1	MLLT1	6.952055	7.265451	6.956573	7.217212	7.237385	7.138293	6.936275	7.102986	7.019581	6.976454	6.884105	6.994851
MLLT10	MLLT10	9.16259	9.631527	9.110957	9.570535	9.426658	9.607788	9.361419	9.156734	8.900492	8.686705	8.125432	8.34599
MLLT11	MLLT11	11.40929	12.19746	11.65947	12.41956	12.45429	13.25445	13.31935	13.48307	13.45411	13.39469	13.68171	12.59203
MLLT3	MLLT3	6.972807	7.097868	6.829469	7.169037	7.02921	7.156931	6.959369	7.037766	7.089694	7.031527	6.788337	6.878289
MLLT4	MLLT4	7.009258	7.163627	6.881237	7.120932	7.023828	7.191197	7.036902	7.055637	7.022798	7.089638	6.994705	7.035854
MLLT6	MLLT6	7.664522	8.080809	8.572255	8.531201	8.544059	8.721454	8.623313	8.613382	8.785667	8.839169	8.305337	8.752625
MLLT7	MLLT7	8.591743	9.050469	8.049625	8.87851	8.77344	8.978968	8.767441	8.62656	8.578515	8.761869	8.118057	8.800985
MLN	MLN	6.900409	7.007768	6.843355	7.022399	6.896186	6.912542	6.952385	6.906197	6.893889	6.954777	6.783295	6.854698
MLNR	MLNR	6.858157	7.058442	6.725616	6.950636	6.825608	6.987335	6.918186	6.838321	6.944604	6.910869	6.798787	6.807524
MLPH	MLPH	8.910453	9.181629	7.933684	7.600178	7.207037	7.144022	6.898259	7.056056	7.077902	7.511589	9.094096	9.050884
MLR2	MLR2	8.028845	8.557453	8.576039	9.063834	9.206054	9.498159	8.805917	8.916065	8.799903	8.510413	8.365092	8.317151
MLSTD1	MLSTD1	8.696244	9.205944	8.461456	7.990756	7.506607	6.978619	7.048559	7.149013	7.190887	7.11771	7.289958	7.126872
MLSTD2	MLSTD2	9.218224	9.332838	9.252103	9.584495	9.184124	9.666051	9.040887	9.066665	9.017448	8.911617	8.606431	8.828516
MLX	MLX	7.30163	7.614386	7.288682	7.468963	7.32962	7.419146	7.37111	7.420493	7.374374	7.629258	7.666122	7.591214
MLXIP	MLXIP	6.980751	6.994038	6.845144	6.962705	6.939176	6.941027	6.802354	6.918462	6.892395	6.888217	6.762541	6.796784
MLXIPL	MLXIPL	7.815529	7.516539	7.720216	7.145144	6.998545	6.802221	6.79089	6.862173	6.771489	6.878279	6.824501	6.884522
MLYCD	MLYCD	7.737419	8.133525	7.76472	7.724794	7.819621	8.82399	8.497103	8.394579	8.287379	8.412284	8.2174	8.351922
MLZE	MLZE	6.895901	6.994217	6.754846	6.954827	6.929242	6.845508	6.901936	6.921189	6.800306	6.981527	6.894847	6.946013
MMAA	MMAA	7.031828	7.311152	6.988167	7.172053	7.130228	7.289678	7.061177	7.049311	7.0097	7.205933	7.03726	6.980178
MMAB	MMAB	7.619984	7.619268	7.329185	7.883686	7.671903	7.899437	7.736988	7.692639	7.68828	7.745333	7.55278	7.632075
MMACHC	MMACHC	8.302395	8.77073	8.236671	8.332836	8.425738	8.952422	8.385268	8.385706	8.423667	8.141074	7.954955	7.854485
MMD	MMD	10.57267	10.51156	10.38206	10.9503	10.67385	11.96755	11.04156	10.95711	10.72889	10.45799	10.03429	9.740627
MMD2	MMD2	6.848862	7.088737	6.741406	6.936692	6.896282	6.879713	6.908754	6.875945	6.759898	6.8167	6.671916	6.808367
MME	MME	7.281839	7.303916	6.990041	7.750293	7.849375	7.209592	6.866587	6.943206	7.029804	6.925429	6.862718	7.041914
MMEL1	MMEL1	6.884971	7.112847	6.892092	7.092886	6.935929	7.003347	6.817854	6.853642	6.929302	6.762359	6.895918	6.752338
MMP1	MMP1	6.956053	7.180348	6.891698	7.61581	7.453426	7.215901	7.432685	7.281574	7.345889	7.36251	9.476762	10.43215
MMP10	MMP10	6.872562	7.433234	6.839977	8.56627	7.491562	7.160184	7.007687	7.164341	7.119404	7.122605	7.568231	7.747403
MMP11	MMP11	8.041511	7.672437	7.547299	8.443925	8.561235	8.405636	8.805685	9.064008	9.034488	8.758297	9.216011	9.246427
MMP12	MMP12	6.834584	6.981472	6.721062	6.965049	6.875635	6.939147	6.923693	6.907029	6.829948	6.847905	6.753542	6.786762
MMP13	MMP13	6.826308	6.943532	6.797789	7.038345	6.990755	6.934501	6.756617	6.982055	6.8664	6.923794	6.809348	7.361849

MMP14	MMP14	7.085261	7.354213	7.193042	7.233277	7.165359	7.143147	7.210218	7.182434	7.264965	7.226094	7.470615	7.487343
MMP15	MMP15	7.750504	7.647418	8.152713	8.679648	8.826218	9.922219	9.767308	10.00532	9.498349	9.981063	9.141895	8.911657
MMP16	MMP16	6.917268	7.117936	6.813866	7.019761	7.02602	7.013732	6.900375	6.953242	6.990249	6.975227	6.829117	6.890762
MMP17	MMP17	6.829485	7.015373	6.827019	7.002548	6.913988	6.957336	6.796181	6.931178	6.868155	6.921984	6.75973	6.849175
MMP19	MMP19	6.979382	7.251244	6.889416	7.139822	7.099202	7.058408	7.045058	7.000141	7.095143	7.035439	6.963928	6.902837
MMP2	MMP2	7.203372	7.312641	7.293249	7.892038	7.58198	7.440139	7.214976	7.362716	7.36697	7.419053	7.645861	7.585469
MMP20	MMP20	6.834811	7.050243	6.794772	7.071751	6.941802	6.935983	6.859105	6.980244	6.858044	6.938454	6.830764	6.882453
MMP21	MMP21	6.892667	7.100409	6.783831	6.949584	6.892236	6.949077	6.819455	6.955069	6.831565	6.908598	6.72548	6.832043
MMP23A	MMP23A	7.174054	7.487093	7.256615	7.804994	7.966396	7.942344	8.406721	8.542835	8.194992	8.365285	8.214604	7.492614
MMP23B	MMP23B	8.129705	8.616016	8.258248	9.107974	9.490654	9.281154	9.969976	9.725445	9.546752	9.401953	8.935853	8.486888
MMP24	MMP24	7.330219	8.498498	7.055213	7.079951	7.07779	7.114306	6.998621	7.031956	7.048487	7.048443	6.914193	6.928881
MMP25	MMP25	8.223846	8.020091	7.521192	7.087491	6.90041	7.114388	6.845295	6.978582	6.854045	6.879155	6.832681	6.824745
MMP26	MMP26	6.903798	6.91114	6.800848	6.997483	6.942934	6.88446	6.874835	6.906697	6.80534	6.919826	6.861553	6.856027
MMP27	MMP27	6.857726	7.08077	6.721762	7.025345	6.937685	7.013137	6.856499	6.939653	6.865588	6.877364	6.760504	6.783593
MMP28	MMP28	6.83287	7.073564	6.828268	7.589245	7.511927	7.017614	6.903336	6.978699	6.919171	6.990986	6.905921	6.862025
MMP3	MMP3	7.251738	7.452456	7.201118	7.274847	7.184697	7.34459	7.095184	7.133225	7.251792	7.20674	6.874451	7.166337
MMP7	MMP7	6.895758	7.049203	6.817212	7.023894	6.833327	6.919417	6.816118	6.943176	6.88709	6.902078	6.678295	6.873717
MMP8	MMP8	6.701076	6.894554	6.708584	6.939735	6.810966	6.944083	6.906251	6.89831	6.69363	6.874111	6.658934	6.675366
MMP9	MMP9	7.794382	8.452664	9.089707	8.46311	7.564348	7.019005	6.934183	6.991274	7.310156	7.540976	6.860259	7.286602
MMPL1	MMPL1	6.869456	7.083284	6.912578	7.177987	7.017949	7.09469	6.893048	7.111432	6.975218	7.086498	6.838915	6.927646
MMRN1	MMRN1	6.794769	7.013053	6.764918	7.016352	7.115402	6.966421	6.872155	6.899969	7.015105	6.9347	6.701649	6.889759
MMRN2	MMRN2	6.946153	7.119354	6.776173	6.989291	6.943523	7.138126	6.933361	6.980249	6.913507	7.034217	6.730481	6.969312
MMS19L	MMS19L	11.20947	11.37588	10.79229	10.67359	10.82493	10.69743	10.28619	10.36928	10.36359	10.27828	10.36652	10.19566
MN1	MN1	7.460396	7.519784	8.585945	7.825775	8.078996	8.157166	8.133431	8.6418	8.39592	8.258753	8.642538	8.306969
MNAB	MNAB	8.199435	8.619698	8.488404	9.158405	8.818803	9.516416	8.955435	8.939692	8.884642	8.821405	8.702811	8.847891
MNAT1	MNAT1	8.49304	8.984457	8.260244	8.402302	8.373735	9.153865	8.620912	8.249654	8.909978	8.647028	8.424149	8.637606
MND1	MND1	9.329248	9.534081	9.023443	8.621627	8.482434	8.297223	8.163953	8.006809	8.201556	8.059207	7.522508	7.079477
MNDA	MNDA	6.864333	6.866856	6.717957	6.932458	6.875447	6.793125	6.866203	6.984414	6.83836	6.934222	6.669994	6.743314
MNS1	MNS1	6.903049	7.169196	6.902119	7.153433	7.078291	7.040084	6.942846	6.974199	7.014666	7.049253	6.887769	6.852895
MNT	MNT	8.432023	8.655658	8.454554	8.670651	8.838711	8.876443	8.422895	8.628462	8.347715	8.508081	8.463739	8.052134
MOAP1	MOAP1	8.708459	8.838431	8.170421	8.894685	9.428012	11.14425	10.5682	10.69496	10.37135	10.78129	10.52727	10.81981
MOBK1B	MOBK1B	7.040729	7.270743	6.808815	7.216839	7.106539	7.08073	7.063019	6.945629	7.159856	7.026893	7.02152	6.976532
MOBKL1A	MOBKL1A	7.281776	7.557997	7.293602	7.508373	7.419987	7.492003	7.474729	7.264783	7.22444	7.251015	6.9921	7.210089
MOBKL2A	MOBKL2A	7.3982	7.510398	7.359614	7.940941	7.821959	7.88607	7.911648	7.863491	7.948889	7.811916	7.477486	7.836004
MOBKL2B	MOBKL2B	8.456541	8.339236	7.356022	7.712488	7.391796	7.035642	7.089465	7.066215	7.10263	6.943986	6.691244	6.757735
MOBKL2C	MOBKL2C	7.418072	7.562836	6.959793	7.387108	7.532798	7.423114	7.460243	7.430591	7.601871	7.445774	7.313859	7.462457

MOBP	MOBP	6.890803	7.052325	7.548307	6.978523	6.901127	6.969329	6.873733	6.929797	6.811116	6.840164	6.780775	6.78726
MOCOS	MOCOS	8.511004	8.837321	7.26068	7.079697	7.171872	6.956974	6.988018	6.993422	6.933481	6.950893	7.175416	6.982834
MOCS1	MOCS1	8.671207	9.07725	7.956482	8.333873	8.386644	8.824428	8.502502	8.295593	8.32941	8.401196	8.102032	8.318499
MOCS2	MOCS2	7.236261	7.474564	7.206059	7.413253	7.684656	8.609925	8.008931	8.190212	8.152769	8.152247	8.403975	7.946266
MOCS3	MOCS3	7.028845	7.384178	6.989363	7.260802	7.300425	7.396419	7.188372	7.298761	7.180213	7.142811	6.945848	6.991446
MOG	MOG	6.797384	7.035022	6.788683	7.063876	6.943616	7.126441	7.006044	7.06977	6.989308	7.144169	6.796126	6.954064
MOGAT1	MOGAT1	7.158141	7.215459	6.857114	7.061662	7.057357	7.046762	6.869482	7.052946	6.970835	6.976943	6.789527	6.888264
MOGAT2	MOGAT2	6.935308	7.025587	6.720439	7.010753	6.979967	7.093209	6.923758	6.947315	6.935527	7.062447	6.668827	6.809378
MOGAT3	MOGAT3	6.832011	7.020226	6.724235	6.989707	6.955212	6.947629	6.920132	6.886518	6.860374	6.899216	6.765608	6.752836
MON1A	MON1A	7.218878	7.431851	7.133907	7.215045	7.062008	7.480709	7.185454	7.299904	7.205958	7.399959	7.290192	7.170461
MON1B	MON1B	7.404929	7.557955	7.14695	7.450841	7.291117	7.36289	7.132431	7.224973	7.232655	7.130183	7.124182	7.229171
MON2	MON2	8.288447	8.652408	8.488446	9.2495	9.395852	9.219519	8.854124	8.799165	8.83862	8.596236	8.54206	8.915869
MORC1	MORC1	6.8995	6.995092	6.817847	7.073098	6.993969	7.178976	6.83963	6.933411	6.861739	7.042739	6.783136	6.865041
MORC2	MORC2	8.864095	9.035671	8.193672	8.567831	8.31922	8.370343	7.987252	8.32033	8.293453	8.145781	7.921235	7.821291
MORC3	MORC3	7.287082	7.621753	7.570855	7.740315	7.676557	8.123347	7.56605	7.777879	7.751473	7.741375	7.63705	7.567079
MORC4	MORC4	7.065915	7.160291	6.981231	7.552148	7.54291	7.560999	7.331278	7.213149	7.235632	7.302597	7.257309	7.221454
MORF4	MORF4	6.803508	7.054089	6.874646	6.941903	6.792282	6.924741	6.946659	6.928893	6.900061	6.864401	6.836249	6.752662
MORF4L1	MORF4L1	11.48003	11.89628	11.46222	11.59604	11.48488	11.88339	11.81762	11.70253	11.8625	11.73051	11.4847	11.61825
MORF4L2	MORF4L2	11.8674	12.28225	11.91593	12.19968	12.18303	12.78326	11.96103	12.42066	12.21247	12.11872	12.4355	12.00957
MORG1	MORG1	7.740827	8.08837	7.606325	7.757536	7.681638	7.952193	7.696992	7.670224	7.660476	7.733952	7.408272	7.939586
MORN1	MORN1	6.958863	7.103053	6.772587	6.972257	7.052883	7.053727	6.836985	6.991939	6.938169	6.868576	6.7785	6.829426
MORN2	MORN2	8.507992	8.902151	8.795006	8.920073	9.306063	9.325152	9.052296	9.043614	9.201101	9.318421	9.277146	8.678234
MORN3	MORN3	7.00984	7.299928	6.875169	7.004517	7.025183	7.067982	6.906104	7.063684	6.985807	6.886693	6.799978	6.84485
MOS	MOS	6.829963	6.963242	6.7938	6.965621	6.988362	7.037898	6.854816	6.951697	6.768953	6.955405	6.61358	6.873803
MOSC1	MOSC1	9.444773	9.884597	9.302278	9.051096	8.462902	8.256336	8.071678	8.311646	7.838508	8.050971	7.38156	7.490144
MOSC2	MOSC2	7.702642	8.0764	7.51542	7.267374	7.700128	9.590126	9.09789	9.261214	8.950898	9.318981	8.551091	8.558474
MOSPD1	MOSPD1	7.572516	8.194602	8.141879	8.571166	8.301019	8.658963	8.505244	8.105937	8.613552	8.459721	8.023766	8.579335
MOSPD2	MOSPD2	7.801712	8.02627	7.471838	7.676784	7.734846	8.079348	7.63859	7.60615	7.811058	7.604752	7.569362	7.68566
MOSPD3	MOSPD3	7.58116	7.748534	7.31405	7.662526	7.612644	7.448861	7.409628	7.554498	7.416629	7.462369	7.551342	7.227026
MOV10	MOV10	8.607056	8.258111	8.649186	8.993103	8.74121	8.278999	8.21917	8.155056	8.163762	8.004176	7.78268	7.647815
MOV10L1	MOV10L1	6.979578	7.102877	6.822683	7.034277	7.064792	7.022431	6.920994	7.053496	6.814575	6.975103	6.870525	6.973294
MOXD1	MOXD1	7.765547	7.655549	7.367728	8.449351	8.391379	7.635708	7.399154	7.589872	7.902974	7.621231	7.404879	7.783904
MPDU1	MPDU1	8.380786	9.078342	8.33483	8.56794	8.356911	8.823592	8.167339	8.400373	8.233685	8.308899	8.465632	8.020096
MPDZ	MPDZ	9.010029	9.270791	8.913735	9.972525	9.827484	10.34589	10.13713	10.42325	10.09736	10.08363	9.28069	10.23325
MPEG1	MPEG1	6.999557	7.166707	6.994096	7.060328	7.124213	7.264188	7.045881	7.228729	6.990952	7.046165	6.974088	7.055378
MPFL	MPFL	7.030976	7.247527	6.866558	7.339935	7.081706	7.396331	7.11171	7.176985	7.160017	7.206114	7.063034	7.137151

MPG	MPG	6.925851	7.04173	6.923844	7.051396	6.972601	6.952671	6.861046	6.971394	6.942218	6.970085	6.914228	6.904965
MPHOSPH	MPHOSPH	11.03376	11.3376	10.75247	10.86106	10.29731	10.25011	9.597214	9.504241	9.424154	9.16219	8.328826	8.088226
MPHOSPH	MPHOSPH	9.212519	9.478965	9.425313	9.29911	9.10546	9.428646	8.987005	9.028224	9.097515	8.994475	8.835717	9.108484
MPHOSPH	MPHOSPH	8.87906	9.143483	8.645008	8.518386	8.341713	8.30499	8.085389	7.831393	8.328475	8.178994	8.164169	7.711519
MPHOSPH	MPHOSPH	8.003388	8.358971	8.4208	8.493158	8.253734	8.513039	8.083445	8.330329	8.08919	8.090774	8.085543	7.963753
MPI	MPI	7.434029	7.713306	7.481778	7.675533	7.856207	8.173813	7.992413	7.926169	7.816217	7.90275	7.738039	7.755021
MPL	MPL	7.224797	7.455238	7.2883	7.422767	7.176445	7.316337	7.313525	7.320433	7.278106	7.311162	7.029834	7.109743
MPN2	MPN2	6.711118	7.022307	6.73593	6.876335	6.883669	6.918628	6.746085	6.96471	6.824881	6.870448	6.775488	6.927662
MPND	MPND	7.539129	7.651716	7.437595	7.636151	7.470144	7.714515	7.609377	7.679353	7.421938	7.781327	7.308608	7.393352
MPO	MPO	6.905647	6.992628	6.657015	6.959367	6.889803	7.000145	6.775447	6.889528	6.774149	6.913464	6.727756	6.870053
MPP1	MPP1	7.846141	7.813272	7.392104	8.203516	7.976968	8.738013	7.954068	8.08035	8.040896	7.970617	7.900979	7.966002
MPP2	MPP2	7.866512	7.869603	7.216988	7.400875	7.530376	7.789838	7.658191	8.00368	7.82224	7.993495	7.899195	7.653886
MPP3	MPP3	7.221202	7.239266	7.121934	7.395693	7.386038	7.549084	7.587342	7.882364	7.853132	8.006325	7.66123	7.261995
MPP4	MPP4	6.762203	7.053719	6.744043	7.016719	6.978172	6.95	6.804988	6.921114	6.903193	6.903746	7.017473	7.254599
MPP5	MPP5	8.550976	8.535571	8.606734	9.612628	9.60009	9.183849	8.747792	8.8517	8.454431	8.820387	8.362027	8.627186
MPP6	MPP6	9.867626	10.36211	9.520996	9.369613	9.289853	8.167839	7.605111	7.694639	7.789167	7.495282	7.763494	7.454528
MPP7	MPP7	6.889443	7.214059	6.921469	7.163352	7.077367	7.301548	7.113409	7.3845	7.145741	7.31347	7.059623	7.151015
MPPE1	MPPE1	8.566121	8.397	8.33747	9.302765	9.397707	9.703479	9.206173	9.162285	9.120608	8.997568	8.764443	9.015993
MPPED1	MPPED1	6.919925	7.166373	6.882697	7.094542	7.014496	7.049393	6.92204	6.970292	6.975731	7.071475	6.847807	6.964298
MPPED2	MPPED2	7.205823	8.412176	7.064904	8.176512	8.509563	8.313194	8.570984	8.216162	8.091306	7.939254	7.675363	7.602641
MPST	MPST	8.196775	8.112015	7.653805	7.949082	7.918525	8.098173	7.821953	7.922868	7.885782	7.952931	7.915408	7.794987
MPV17	MPV17	9.197446	9.627862	8.85672	9.25729	9.179545	9.434001	9.205927	9.479396	9.425082	9.610237	10.00212	9.573999
MPZ	MPZ	7.066861	7.142962	6.878367	7.10936	6.976425	7.086998	7.146806	7.036034	6.994942	7.102668	6.941003	6.961617
MPZL1	MPZL1	8.687468	8.544897	9.042269	9.926904	9.029494	8.64136	8.262885	8.547499	8.282595	8.215561	8.686387	8.216692
MR1	MR1	6.947465	7.110085	6.851158	6.993383	6.92834	7.035587	7.031142	6.894922	6.883283	7.061044	6.728408	6.858057
MRAP	MRAP	6.905471	7.119277	7.096861	7.087566	6.960166	7.011197	6.846834	7.000226	6.914329	7.024917	6.736233	6.859156
MRAS	MRAS	7.029623	7.071162	6.88241	7.459525	7.506353	8.290733	8.466486	8.889352	8.444094	8.61454	8.379934	8.269103
MRC1	MRC1	6.808446	7.038042	6.71818	6.96758	6.90528	6.934619	6.900398	6.915204	6.887158	6.903038	6.740053	6.871783
MRC1L1	MRC1L1	6.926522	6.897554	6.786752	6.93846	6.899861	6.978088	6.88806	6.974384	6.905888	6.861972	6.766208	6.885743
MRC2	MRC2	6.961237	7.099656	7.135397	7.42868	7.406002	7.399806	7.130833	7.302511	7.209536	7.148624	7.50626	7.389608
MRCL3	MRCL3	13.11699	13.56008	13.10078	13.18829	13.1791	13.87167	13.66614	13.87748	13.75498	14.01533	14.09404	13.35935
MRE11A	MRE11A	8.029511	8.28432	8.125237	8.249804	7.841002	8.190544	7.74663	7.740896	7.728631	7.687112	7.327127	7.432944
MRFAP1	MRFAP1	12.43482	12.68535	12.09953	12.28954	12.43848	13.48244	12.77772	12.93012	12.89224	12.95073	12.98553	12.93051
MRFAP1L1	MRFAP1L1	9.808467	10.11673	9.896283	10.17187	10.11123	10.71185	10.03735	10.19075	10.26439	10.21645	9.887957	10.2295
MRGPRD	MRGPRD	6.939492	7.081611	6.779143	7.029854	7.046538	7.009921	6.993372	6.957433	6.918956	6.949706	6.855576	6.889526
MRGPRE	MRGPRE	6.834903	7.052977	6.72541	7.101653	6.932248	6.919739	6.859779	6.968026	6.830279	6.926646	6.715664	6.764156

MRGPRF	MRGPRF	7.466643	8.004684	7.216594	7.063307	7.112368	7.017797	6.984886	7.014355	6.972978	6.996473	6.898808	6.948413
MRGPRX1	MRGPRX1	6.808857	6.966949	6.663322	6.935759	6.867564	6.836175	6.900855	6.82131	6.745916	6.759462	6.722001	6.781214
MRGPRX2	MRGPRX2	6.811049	7.045587	6.737025	7.021402	6.930664	7.010182	6.892754	6.905506	6.96161	6.991254	6.81771	6.932782
MRGPRX3	MRGPRX3	6.9895	7.232073	6.920571	7.19105	7.115046	7.201276	7.061185	7.130077	7.106436	7.162446	6.965032	7.047565
MRGPRX4	MRGPRX4	6.770328	6.965735	6.813912	7.024056	6.924858	6.796586	6.850809	6.836436	6.827085	6.744054	6.693669	6.764658
M-RIP	M-RIP	9.285981	9.611434	9.161297	9.71769	9.404294	10.14532	9.843091	10.20461	9.943152	10.14197	10.30696	9.925102
MRLC2	MRLC2	12.36967	12.90421	12.5923	12.66244	12.6794	13.03631	12.65698	12.89371	13.03079	13.2297	13.37158	12.82689
MRM1	MRM1	6.969871	7.298603	6.855713	6.949774	6.989842	7.140623	7.020127	6.970085	6.938657	7.001068	6.956274	7.063036
MRO	MRO	6.811307	7.087776	6.687618	7.003245	6.853644	6.786754	6.853182	6.742808	6.72698	6.831791	6.755761	6.846044
MRP63	MRP63	8.166613	8.757032	7.864342	8.134093	8.200059	8.484075	8.3746	8.358242	8.205717	8.376546	8.152003	7.901494
MRPL1	MRPL1	9.039122	10.16443	9.218753	9.239599	9.302613	10.15937	9.572709	9.241804	9.683695	9.689228	8.978247	8.743298
MRPL10	MRPL10	8.454598	8.637919	7.880224	7.961031	8.008758	8.339177	8.356926	8.145872	8.301489	8.382257	8.012385	8.298795
MRPL11	MRPL11	10.79644	11.55862	10.62842	10.32218	10.00221	10.20384	9.62355	9.491736	9.698093	9.675722	9.407858	8.925556
MRPL12	MRPL12	10.17406	10.44428	9.628576	9.692666	9.783858	10.96194	10.29181	10.51153	10.22502	10.60019	10.83478	10.13924
MRPL13	MRPL13	10.67117	11.48095	10.62998	10.57538	10.32323	11.3481	10.87642	10.49179	10.90128	10.76699	10.26434	10.35967
MRPL14	MRPL14	11.07834	11.3863	10.89234	11.08678	11.0884	11.13043	11.06831	11.10603	11.06559	11.23858	11.01938	10.39532
MRPL15	MRPL15	11.12664	12.17564	11.3853	11.32375	11.40755	12.4176	12.37098	11.99464	12.39316	12.31633	11.7473	11.79719
MRPL16	MRPL16	9.179865	9.521154	8.801842	8.551056	8.476259	9.490554	9.298171	8.960277	9.004075	9.144914	8.809793	9.022525
MRPL17	MRPL17	11.01326	11.6674	11.04017	10.94787	10.9368	11.48069	11.24199	11.02648	11.28406	11.28461	10.82396	11.194
MRPL18	MRPL18	10.94748	11.47465	10.58332	10.31282	10.31129	11.5447	10.82278	10.86841	10.86667	11.05345	11.06292	10.45768
MRPL19	MRPL19	8.555804	9.148531	8.262727	8.447794	8.441011	8.764233	8.369111	8.035943	8.590879	8.235431	7.917887	8.278437
MRPL2	MRPL2	8.125513	8.197246	7.743043	7.997299	7.848255	9.102833	8.308545	8.5505	8.284791	8.449632	8.776992	8.134405
MRPL20	MRPL20	10.39179	11.10381	10.46123	10.24869	10.27266	11.12159	10.63077	10.7121	10.73174	10.84253	10.81772	10.3768
MRPL21	MRPL21	10.18098	10.80035	10.03636	10.00479	10.0289	11.36336	10.4855	10.4478	10.5187	10.47511	10.34298	9.824799
MRPL22	MRPL22	11.21838	11.6296	10.9053	11.23386	11.00245	11.86333	11.3394	11.22158	11.48436	11.4321	11.07781	11.19694
MRPL23	MRPL23	10.93855	11.38438	10.88811	10.79681	10.61296	11.45669	11.15901	11.20469	11.25386	11.44672	11.45071	10.881
MRPL24	MRPL24	9.459845	9.929431	9.022119	9.345737	9.747895	11.03513	10.60152	10.59992	10.60946	10.68471	10.69088	10.16811
MRPL27	MRPL27	8.891739	9.633774	9.188264	9.192753	9.095974	10.2298	9.62592	9.558843	9.591842	9.630943	9.270719	9.019254
MRPL28	MRPL28	8.547465	8.619164	8.273014	8.538857	8.532788	9.40112	8.813328	8.835087	8.75443	8.851287	8.818042	8.777274
MRPL3	MRPL3	11.80159	12.11747	11.58105	11.13845	11.0205	11.38553	10.52901	10.76537	10.79944	10.55365	10.82634	10.44974
MRPL30	MRPL30	8.248443	8.830679	8.119813	7.995605	7.918328	8.377692	7.902885	7.911701	8.098911	8.076752	7.909493	7.815566
MRPL32	MRPL32	11.42487	12.13291	11.08734	11.01927	11.06022	11.9576	11.44851	11.14263	11.5056	11.31228	10.95718	10.756
MRPL33	MRPL33	11.2726	11.93156	11.46939	11.535	11.85552	12.53319	12.32944	12.39545	12.5406	12.7061	12.6608	11.91655
MRPL34	MRPL34	10.04044	10.39627	9.44046	9.910639	10.04491	11.53185	11.09623	11.11897	11.1188	11.42639	11.41462	11.07584
MRPL35	MRPL35	9.435329	9.893775	9.16583	9.316931	9.166971	10.49743	9.662216	9.764895	9.72948	9.818174	9.660522	9.380873
MRPL36	MRPL36	10.94248	11.48245	10.71241	10.91451	11.24391	12.1401	11.62962	11.53771	11.52739	11.60807	11.46832	11.02301

MRPL37	MRPL37	12.4847	12.79137	11.94114	11.96044	11.74228	12.27931	11.81847	11.71488	11.79796	11.74325	11.69202	12.11133
MRPL38	MRPL38	9.004079	9.344468	8.448051	8.602247	8.584803	9.281537	9.055558	8.966312	9.015075	9.358522	9.233977	9.133716
MRPL39	MRPL39	9.759792	10.17816	9.474542	9.462419	9.474646	10.71974	9.729299	9.816602	9.79035	9.777113	9.781879	9.35221
MRPL4	MRPL4	7.650076	7.769667	7.203754	7.387481	7.359228	7.701567	7.489364	7.519233	7.42344	7.552704	7.65887	7.428436
MRPL40	MRPL40	8.952156	9.737628	9.378537	10.00391	10.00766	10.91186	10.33647	10.34616	10.50358	10.57748	10.43248	10.1446
MRPL41	MRPL41	10.34237	10.36125	10.1992	10.42151	10.61635	11.99638	11.57741	11.44777	11.43128	11.77714	11.59889	11.19868
MRPL42	MRPL42	9.998839	10.63991	9.917822	9.525061	9.164252	10.0739	9.51722	9.42835	9.727432	9.531659	9.397515	9.141929
MRPL42P5	MRPL42P5	6.903296	7.109669	6.805977	7.109829	6.970542	7.013525	6.889187	7.016807	6.967783	7.029611	6.771902	6.95517
MRPL43	MRPL43	9.041037	9.182016	8.802071	8.827092	8.941047	9.351815	9.05346	9.178053	9.184833	9.302921	9.333501	9.094171
MRPL44	MRPL44	8.926006	9.151805	8.413344	8.482627	8.293338	9.162474	8.541993	8.496589	8.579051	8.57241	8.533054	8.514125
MRPL45	MRPL45	10.47224	11.04191	10.22783	10.41497	10.13332	10.62787	10.06803	9.972223	10.04	10.10576	9.744382	9.640157
MRPL46	MRPL46	9.805093	10.46811	9.908929	9.911958	10.11951	11.04912	10.58252	10.8189	10.76479	10.88597	10.6657	10.31066
MRPL47	MRPL47	9.149424	9.635132	8.9832	9.085985	8.994587	10.37449	9.700941	9.382935	9.742116	9.640824	9.178115	9.21743
MRPL48	MRPL48	8.972994	9.295648	8.740823	8.87308	8.81306	9.283959	9.208781	8.853378	9.290228	9.173063	8.910377	8.979749
MRPL49	MRPL49	8.76108	9.041088	8.541751	8.538951	8.665665	9.145221	8.810872	8.766438	8.904981	8.880078	8.813778	8.518813
MRPL50	MRPL50	11.10336	11.77185	11.23183	10.65553	10.4999	11.47225	10.97395	10.67727	11.18354	10.89544	10.50582	10.3553
MRPL51	MRPL51	11.95005	12.8064	12.06287	11.94325	11.87305	12.41133	11.97687	11.79279	12.02885	11.95469	12.01423	11.42894
MRPL52	MRPL52	9.802673	10.04313	9.291982	9.410717	9.429527	9.911712	9.610489	9.197106	9.403229	9.370922	9.26145	9.029062
MRPL53	MRPL53	8.28149	8.859472	8.445851	9.042808	9.205064	10.13682	9.75492	9.55249	9.630816	10.11168	9.859989	9.610394
MRPL54	MRPL54	10.08279	10.84376	10.10085	9.97412	10.27197	11.18516	10.79737	10.67538	10.95539	11.13706	10.88921	10.59135
MRPL55	MRPL55	9.914239	10.2813	9.642993	9.841699	9.85579	10.0543	9.665581	9.478389	9.700707	9.587919	9.246515	9.258463
MRPL9	MRPL9	9.200185	9.692254	9.199226	9.232782	8.974188	9.441292	8.896825	8.709888	8.938975	8.849068	8.673728	8.708364
MRPS10	MRPS10	10.4949	10.86929	10.27314	10.41409	10.55155	11.48925	11.09177	11.05876	11.04851	11.18393	10.92189	10.57158
MRPS11	MRPS11	9.796705	10.63257	10.07684	10.25529	10.23147	11.25256	10.75158	10.81686	10.74187	10.86931	10.6999	10.34152
MRPS12	MRPS12	9.953984	10.35642	9.51916	9.438436	9.356016	10.61715	9.918842	9.691115	9.977001	9.9594	9.692911	9.599603
MRPS14	MRPS14	7.505815	7.759724	7.444376	7.692962	7.938091	8.402804	7.987798	8.158481	7.974697	7.980413	7.723589	7.542644
MRPS15	MRPS15	11.66915	11.96581	11.21557	11.11826	10.97575	11.63549	11.16201	11.13047	11.2648	11.44471	11.45478	11.07027
MRPS16	MRPS16	9.775019	10.63603	9.826663	9.764574	9.884125	11.00835	10.09644	9.720629	9.922999	9.990547	9.374322	9.652233
MRPS17	MRPS17	10.89721	11.37654	10.48305	10.35857	10.05844	11.18951	10.62539	10.4063	10.70492	10.71023	10.49029	10.07403
MRPS18A	MRPS18A	8.900813	9.610795	8.941046	8.945287	8.846387	9.485693	9.009921	8.801285	9.051187	8.994603	8.544808	9.026853
MRPS18B	MRPS18B	9.419606	9.865326	8.98112	8.982148	9.281916	10.27859	9.882691	9.700252	9.789242	10.04289	9.728073	9.68322
MRPS18C	MRPS18C	10.52713	11.21473	10.69821	10.39039	10.57185	11.39684	10.67246	10.63198	10.96127	10.95835	10.78699	9.968331
MRPS2	MRPS2	9.634581	9.782148	9.0827	9.004303	8.947674	9.477637	9.038455	9.224084	8.937487	9.221681	9.134345	9.04878
MRPS21	MRPS21	11.50001	12.27758	11.50236	11.31568	11.26091	12.13701	11.75863	11.53922	11.7895	11.86999	11.35937	10.86616
MRPS22	MRPS22	10.64241	11.12759	10.69775	10.90357	10.86318	11.99563	11.10461	11.2381	11.25421	11.39624	11.34552	10.7797
MRPS23	MRPS23	9.504722	9.950157	9.328214	9.438139	9.423378	10.48921	9.885765	9.720548	9.872	9.828764	9.614877	9.534383

MRPS24	MRPS24	11.17282	11.66688	11.19041	10.89894	11.17545	11.91263	11.45752	11.52542	11.50959	11.73717	11.51637	11.14582
MRPS25	MRPS25	9.267028	9.380194	8.695657	9.087328	9.449948	10.22933	10.01755	9.827248	9.555073	9.472583	8.660716	8.771086
MRPS26	MRPS26	10.47634	10.68534	9.755736	10.00652	9.905516	10.18529	10.04371	9.963929	9.99561	10.1626	9.881353	9.943846
MRPS27	MRPS27	10.77776	10.89296	10.23594	10.00032	10.03083	10.54882	9.815116	9.965073	9.772328	9.892835	9.951899	9.743099
MRPS28	MRPS28	10.01141	10.60287	9.956428	9.752534	9.912129	10.96798	10.63064	10.59421	10.83463	10.88942	10.58641	10.05652
MRPS30	MRPS30	11.06101	11.18409	10.21329	10.02073	10.01795	11.24069	10.34689	10.5092	10.27742	10.36879	10.43319	10.22877
MRPS31	MRPS31	10.90667	11.20984	10.36146	10.73312	10.62236	11.69809	11.01826	10.93543	11.0308	10.91341	10.30872	10.22938
MRPS33	MRPS33	9.922206	10.58701	9.729152	9.694954	10.08914	11.23864	10.66302	10.72417	10.97418	10.83276	10.76228	10.3836
MRPS34	MRPS34	8.721084	8.974933	8.04587	7.955831	7.961804	8.495374	7.991156	8.028298	7.930026	8.1225	7.881713	8.068401
MRPS35	MRPS35	9.648188	10.1479	9.355106	9.604159	9.659697	10.67836	10.13322	10.19986	10.23459	10.34189	10.13241	10.22452
MRPS36	MRPS36	8.088789	8.3849	7.868461	8.108866	8.536484	10.24524	9.626918	9.601986	9.760096	9.630409	9.120889	8.83804
MRPS5	MRPS5	9.514422	9.895713	9.508345	9.658931	9.435897	10.5693	9.992266	10.01722	9.850206	9.87037	9.948893	9.844762
MRPS6	MRPS6	12.93946	13.1881	12.96578	13.31166	13.37328	13.74159	13.23334	12.93173	13.16238	12.85123	12.47752	12.70453
MRPS7	MRPS7	10.15207	10.6883	10.04555	9.985298	10.00886	10.92567	10.6154	10.33586	10.69819	10.79681	10.38002	10.56136
MRPS9	MRPS9	11.48516	11.54008	10.71152	10.55137	10.58771	11.83835	10.97684	11.13799	10.68534	10.98859	10.81797	10.80307
MRRF	MRRF	8.569215	8.931299	8.35496	8.516228	8.662404	9.723214	9.283407	9.214401	9.245447	9.154693	8.740424	8.636464
MRS2L	MRS2L	9.359632	10.26843	9.123204	9.614536	8.869322	9.279544	8.536725	8.729862	8.62328	8.447836	8.360335	8.362545
MRVI1	MRVI1	6.906043	7.008702	6.825825	7.042911	6.961206	6.974886	6.849284	6.898541	6.90159	6.901444	6.783134	6.914176
MS4A1	MS4A1	6.894406	7.049373	6.798192	7.061836	6.894041	6.996628	6.893706	6.987476	6.932903	6.886437	6.793201	6.876033
MS4A10	MS4A10	6.778486	7.03871	6.69056	6.902393	6.949336	6.984894	6.797142	6.879206	6.893895	6.846613	6.816089	6.760552
MS4A12	MS4A12	7.009275	7.104399	6.747076	7.075832	6.884555	7.084489	6.872532	6.853505	6.827369	6.988993	6.752736	6.847321
MS4A13	MS4A13	6.817802	7.0372	6.845534	7.004011	6.878385	6.906552	6.850537	6.959668	6.913768	6.906983	6.777388	6.84837
MS4A2	MS4A2	6.873767	7.022904	6.837017	7.031904	6.923828	6.981085	6.789911	6.929063	6.834954	6.916603	6.702693	6.718644
MS4A3	MS4A3	6.820052	7.027365	6.779925	6.9499	6.963193	6.901184	6.878145	6.918196	6.864089	6.88795	6.785349	6.80354
MS4A4A	MS4A4A	6.880005	7.039183	6.827271	6.97451	6.977084	7.194957	7.031094	7.079789	7.057077	7.102634	6.922446	6.914986
MS4A5	MS4A5	6.780963	7.083473	6.572202	6.999422	6.901798	6.912995	6.810348	6.842068	6.887808	6.811302	6.687539	6.866531
MS4A6A	MS4A6A	6.946463	7.065469	6.763421	7.08351	6.934688	6.968445	6.898643	6.954803	6.895029	6.998715	6.767543	6.869929
MS4A6E	MS4A6E	6.898533	7.094018	6.716337	6.968857	6.911653	6.843538	6.706119	6.899151	6.867919	6.892803	6.839735	6.6882
MS4A7	MS4A7	6.929463	7.07571	6.840562	7.040765	6.924767	6.944322	6.896666	6.940838	6.854259	6.945926	6.802849	6.908221
MS4A8B	MS4A8B	6.891332	7.063866	6.779358	7.084111	7.031259	7.101159	6.790029	7.057068	7.010015	6.922733	6.755659	6.902513
MSC	MSC	6.9812	7.177508	6.865685	7.034631	6.83964	6.952689	6.854145	7.191534	7.497169	7.262979	8.116279	7.512795
MSH2	MSH2	8.415786	8.638067	8.183002	8.035295	7.640185	7.667484	7.447875	7.331166	7.341053	7.39166	7.031736	7.207296
MSH3	MSH3	12.94664	13.63538	13.16107	13.53706	13.48274	13.32047	13.58478	13.1673	13.37434	13.29911	12.97987	13.28554
MSH4	MSH4	6.910702	7.085721	6.811247	7.206316	7.088257	7.102531	6.885374	6.930175	6.905406	7.024266	6.840758	6.86124
MSH5	MSH5	7.292713	7.459991	7.158443	7.46647	7.322485	7.42517	7.243036	7.290985	7.146989	7.184331	6.979106	7.023457
MSH6	MSH6	12.72374	13.09716	12.6068	12.19728	11.99503	11.87002	11.44179	11.09076	11.27168	11.16996	10.58327	10.72934

MSI1	MSI1	7.843621	8.097501	7.952539	7.913474	7.6655	7.970495	7.433211	7.381062	7.526295	7.481023	7.104973	7.094064
MSI2	MSI2	7.863347	8.362246	7.828444	7.975643	7.827054	8.7264	8.090114	8.174893	8.022157	8.027418	7.845402	8.060349
MSL2L1	MSL2L1	7.19813	7.459811	7.119562	7.372547	7.248662	7.402581	7.216626	7.214555	7.18899	7.32102	7.161663	7.104821
MSL3L1	MSL3L1	7.507532	8.071856	7.853015	8.126731	7.905989	8.027672	7.898973	7.787577	7.817481	7.701536	7.548299	7.566904
MSLN	MSLN	6.964211	7.058053	6.90281	7.032591	7.005721	6.950467	6.772375	6.951359	7.04041	6.878245	6.79289	6.818283
MSMB	MSMB	6.854436	7.058975	6.821426	7.014582	6.890005	6.901732	6.883286	6.866069	6.853387	6.976168	6.745956	6.856006
MSN	MSN	11.03407	11.43547	11.51183	11.73471	11.00335	10.82684	10.84131	11.33906	11.12047	11.3194	12.38888	11.10305
MSR1	MSR1	6.859912	7.096015	6.865984	7.031223	6.911438	7.015418	6.930383	6.959238	6.983597	6.931841	6.84714	6.914624
MSRA	MSRA	7.689976	7.905291	7.277319	8.040183	8.619466	9.697134	9.512155	9.743455	9.486644	9.784239	9.808347	9.261866
MSRB2	MSRB2	10.09686	10.88773	10.55779	11.32177	11.87545	12.51041	12.50164	12.24208	12.32824	12.48498	11.72477	11.9538
MSRB3	MSRB3	6.91038	7.043944	6.810941	8.019328	8.838697	10.36502	9.970947	10.25618	9.810944	10.26131	10.16829	9.601895
MST1	MST1	8.49674	8.629568	8.64797	9.060533	9.416192	9.12231	8.860758	8.772496	8.992656	8.547101	7.736899	8.212057
MST150	MST150	7.276567	7.449333	7.073525	7.30164	7.400869	7.931376	7.771704	7.98797	7.911509	7.819076	7.94572	7.929839
MST1R	MST1R	6.883713	7.149682	6.827584	6.938102	6.897839	6.895941	6.870502	6.961095	6.799142	6.859182	6.708358	6.76288
MST4	MST4	10.50173	10.80598	10.47513	11.02379	11.78705	11.0899	10.14861	9.938609	9.545758	8.906751	8.700292	8.477566
MSTO1	MSTO1	8.347352	9.34545	8.09425	8.73462	8.805651	8.322967	8.481485	8.118941	8.310926	8.31678	7.835615	8.128823
MSTP9	MSTP9	7.266041	7.449173	7.09095	7.275848	7.115502	7.300036	7.193929	7.268361	7.234777	7.234617	7.140445	7.204457
MSX1	MSX1	7.09743	7.234702	12.00889	12.66084	11.77415	10.75499	9.65105	9.383139	10.85712	9.179169	9.3407	9.810118
MSX2	MSX2	6.844267	7.201415	8.02301	8.491104	8.450013	10.27598	9.257972	8.63505	8.649345	8.477315	7.962671	8.009355
MSX2P	MSX2P	7.010629	7.137285	6.865969	6.954917	6.87042	7.105972	6.880694	6.920438	6.911753	6.946606	6.771354	6.869482
MT	MT	7.396591	7.816968	7.303559	7.658262	7.704701	8.238225	7.868181	7.936868	7.782941	7.887422	7.835496	7.666141
MT1A	MT1A	12.3049	12.00565	11.32248	9.506452	9.202766	9.945796	9.623028	9.428792	10.01168	10.35808	11.71259	11.00936
MT1B	MT1B	6.876415	7.061112	6.920174	7.063631	6.911695	7.039158	6.783096	6.907889	6.949437	6.931788	6.923183	6.763686
MT1E	MT1E	9.92826	9.86767	9.285056	7.930279	7.982344	8.95966	8.838665	8.628868	8.897863	9.339581	9.579398	9.095561
MT1F	MT1F	11.43083	11.37504	11.05439	8.910409	8.387338	9.247123	8.505768	8.663971	8.961628	9.285126	9.827187	8.570874
MT1G	MT1G	12.30415	11.58478	10.51004	7.82643	7.387683	7.354108	7.074402	7.067964	7.279009	7.404709	7.895232	7.944253
MT1H	MT1H	10.75243	10.11827	9.220691	7.46207	7.251752	7.228127	6.972802	7.082835	7.056294	7.179633	7.1282	7.093329
MT1JP	MT1JP	7.291367	7.156537	6.901577	7.084637	7.02346	6.995504	6.845949	7.038857	6.990694	6.976267	6.847056	6.890293
MT1L	MT1L	6.932173	7.01458	6.823803	7.082072	6.905699	7.149962	6.926781	6.996486	6.913279	6.959359	6.877326	6.916973
MT1M	MT1M	7.606427	7.285955	7.283934	7.018394	6.946951	6.947432	6.71386	6.940265	6.842291	6.877724	6.778709	6.75872
MT1P2	MT1P2	6.937569	7.108146	6.920058	7.140344	6.915636	6.970896	6.919151	7.050044	6.919772	6.977493	6.851835	7.02076
MT1X	MT1X	12.41345	11.96595	11.27268	9.54521	9.022502	10.39218	9.594557	9.751874	9.853166	10.18141	10.68543	10.26325
MT2A	MT2A	10.53676	10.38198	9.824608	8.607247	8.647422	8.218099	8.113698	8.377058	8.772773	9.643542	11.81171	10.71492
MT3	MT3	6.894005	7.097928	6.802078	7.170669	7.009828	7.418671	7.914503	7.794678	7.885926	8.102957	8.006995	8.38119
MT4	MT4	6.892403	6.971719	6.793001	6.971324	6.792416	6.849433	6.843194	6.965063	6.797017	6.949758	6.749216	6.825783
MTA1	MTA1	10.26309	10.26643	9.539271	9.732422	9.81444	10.21046	9.804072	9.816962	9.929295	10.02633	9.762462	9.770803

MTA2	MTA2	9.450506	10.05986	9.735709	9.513746	9.134254	9.39327	8.937806	8.715559	8.920175	8.700275	8.506043	8.278674
MTA3	MTA3	11.59267	11.71744	10.74686	10.50066	10.06494	10.206	9.643327	9.672711	9.531726	9.585215	9.301474	9.411353
MTAC2D1	MTAC2D1	7.730513	7.874506	7.477408	7.264551	6.918385	6.993718	6.807619	6.990142	6.949671	6.956132	6.842618	6.779765
MTAP	MTAP	9.68269	9.322237	9.115334	9.135394	8.607603	8.502466	7.994009	8.145918	8.110687	7.998453	8.413378	8.059173
MTBP	MTBP	7.845059	7.941274	7.937452	8.103569	7.790704	7.498809	7.377823	7.240243	7.306629	7.223221	7.007771	7.031633
MTCH1	MTCH1	13.4635	13.93944	13.01366	13.27433	13.43834	14.23122	13.68205	13.6016	13.60468	13.52701	13.43687	13.57901
MTCH2	MTCH2	7.201113	7.30741	7.020184	7.657747	7.617806	8.446303	8.230785	8.074759	8.156301	8.104128	7.578044	8.088483
MTCP1	MTCP1	9.325753	9.82676	9.577004	9.278968	9.793269	10.80043	10.44041	10.45618	10.47538	10.70262	10.85805	10.48735
MTDH	MTDH	9.215643	9.463374	9.10547	9.671281	9.573998	9.647232	9.428352	9.267747	9.453931	9.303224	9.514914	9.781763
MTE	MTE	8.694635	8.630431	8.131626	7.290105	7.26419	7.84428	7.449658	7.472453	7.561386	7.890681	8.320461	8.020344
MTERF	MTERF	7.6134	7.995858	7.732699	7.856005	7.551861	7.70452	7.478859	7.480088	7.562359	7.530296	7.248887	7.328085
MTERFD1	MTERFD1	10.21726	10.2462	9.329381	9.498502	9.545601	9.621206	9.362739	9.343988	9.511833	9.448878	9.552582	9.257327
MTERFD2	MTERFD2	7.111709	7.338337	7.005714	7.297152	7.178074	7.221768	7.198125	7.265563	7.188585	7.286462	6.986952	7.067492
MTERFD3	MTERFD3	6.901391	7.165413	6.82883	7.157379	7.153916	7.519612	7.2506	7.222297	7.241006	7.216909	6.862728	6.967428
MTF1	MTF1	7.993839	8.181623	7.837473	8.217015	8.128636	8.015565	7.959074	7.965927	7.796953	7.917603	8.04091	8.047137
MTF2	MTF2	10.1799	10.74113	10.14277	10.20438	9.712271	9.543658	9.122459	8.603721	9.087167	8.554565	7.971323	8.368753
MTFMT	MTFMT	7.848276	7.911663	7.788977	7.784661	7.813172	8.359814	8.141409	8.20689	8.218437	8.208973	8.250801	8.131498
MTFR1	MTFR1	9.270579	9.137709	9.036407	9.001152	8.763782	8.909823	8.425381	8.555164	8.364968	8.474583	8.978213	8.797474
MTG1	MTG1	7.914477	8.737619	8.136634	8.272008	8.128706	8.172306	7.655506	7.627006	7.762471	7.704424	7.565867	7.602567
MTHFD1	MTHFD1	9.095228	9.232653	8.364618	8.065783	7.628112	8.104313	7.734695	7.755018	7.667556	7.578265	7.474458	7.466344
MTHFD1L	MTHFD1L	10.51243	10.55221	9.678446	9.787723	9.697566	9.81422	9.39872	9.694446	9.458961	9.241559	9.963145	9.523212
MTHFD2	MTHFD2	10.99295	11.04748	9.866652	10.24111	10.08294	9.701079	9.310806	9.483911	9.763918	9.243778	9.99348	9.794018
MTHFD2L	MTHFD2L	8.314906	8.467259	7.956769	8.540272	8.774932	9.024081	9.040137	8.998986	9.19035	9.140376	8.80753	9.131125
MTHFR	MTHFR	7.552803	7.800998	7.397721	7.63808	7.902476	8.611868	8.330932	8.451931	8.536755	8.658923	8.263589	8.350136
MTHFS	MTHFS	9.565683	10.17888	9.580595	9.639838	9.752736	10.31977	9.887051	9.565092	9.651403	9.519736	9.336201	9.016372
MTIF2	MTIF2	9.294803	9.598549	9.136631	8.968175	8.689428	9.621071	8.981683	9.078586	9.003031	9.121493	8.950279	9.043206
MTIF3	MTIF3	9.961069	10.24457	9.772909	10.0956	9.712274	10.68417	10.65751	10.54909	10.85927	10.81464	10.3849	10.37262
MTL5	MTL5	7.903458	7.678829	7.165741	7.133434	6.979783	7.162565	7.099695	7.120054	7.052372	7.138649	6.92387	6.886481
MTM	MTM	6.884652	7.108028	6.774257	7.051629	6.933778	6.903322	6.903309	6.998919	6.900968	6.960523	6.829313	6.898809
MTM1	MTM1	7.589822	8.183758	7.579867	7.664373	7.505408	7.970574	7.435519	7.688906	7.719725	7.660323	7.596249	7.647447
MTMR1	MTMR1	7.020909	7.24142	6.857276	7.152955	6.995315	7.069691	6.862448	7.048633	6.986498	6.939654	6.854944	6.947473
MTMR10	MTMR10	6.814922	7.228483	6.859064	7.107194	6.993947	7.304878	6.947315	7.091432	6.978608	7.137578	6.943222	7.017789
MTMR11	MTMR11	7.448041	8.17186	7.33809	7.697994	8.026812	7.557825	7.611215	7.640141	8.050572	7.449247	7.722574	7.632659
MTMR12	MTMR12	8.55143	8.756466	7.741608	7.878268	7.650629	7.873614	7.551467	7.828373	7.616912	7.608629	7.853616	7.579755
MTMR14	MTMR14	7.723826	8.029388	7.486137	7.520979	7.505504	7.77149	7.226112	7.328729	7.34237	7.427723	7.23919	7.309218
MTMR15	MTMR15	9.063371	9.542616	8.762565	9.232912	8.98632	9.40439	9.067549	8.94877	8.970134	8.980673	8.434962	8.779317

MTMR2	MTMR2	8.166144	8.374078	8.238889	8.63272	8.287296	8.275813	8.03598	8.064574	8.078466	8.203129	8.028953	8.220919
MTMR3	MTMR3	7.969681	8.631806	8.042766	8.338304	8.36849	8.458522	8.008134	8.244053	8.273569	8.218278	8.174142	8.120672
MTMR4	MTMR4	8.686544	9.116681	8.503267	9.047679	9.127399	8.713735	8.889189	8.897294	9.070837	8.772458	8.740702	8.768283
MTMR6	MTMR6	8.196573	8.879628	8.490637	9.19899	9.067553	10.07455	9.724988	9.502671	9.736177	9.533377	9.4524	9.863374
MTMR7	MTMR7	7.682457	7.857561	6.984046	7.088169	7.044969	7.099141	6.947025	6.989283	7.031059	6.996189	6.831949	6.99241
MTMR8	MTMR8	6.960517	7.258618	6.913723	7.150743	7.069258	7.095394	7.050045	7.062703	6.980037	7.029371	6.854316	6.909952
MTMR9	MTMR9	10.20512	10.31586	9.467598	9.571457	9.292266	9.405169	9.174907	9.373959	9.432815	9.341896	9.399183	9.237818
MTNR1A	MTNR1A	6.932965	7.094091	6.839231	7.028862	6.916635	6.909144	6.882322	6.895505	6.892549	6.914585	6.836355	6.821634
MTNR1B	MTNR1B	6.745585	7.038591	6.689182	6.982814	6.903965	6.869595	6.75683	6.936352	6.825284	6.933275	6.897252	6.748309
MTO1	MTO1	8.558135	9.094036	8.203808	8.368172	8.244184	9.220711	8.449175	8.5751	8.473919	8.460677	8.49859	8.579887
MTP18	MTP18	10.25471	10.24216	9.430804	9.333284	9.486195	9.219102	8.810266	8.626656	8.875602	8.916351	8.930181	9.416149
MTPN	MTPN	11.42434	11.78766	11.41877	12.2249	12.32304	12.73528	12.23943	12.0585	11.98622	11.88575	11.98096	11.72414
MTR	MTR	8.342198	8.628786	7.970654	8.881644	8.906832	8.996414	8.833517	8.803695	8.636481	8.804539	8.24655	8.538724
MTRF1	MTRF1	7.650874	7.697785	7.229175	7.637696	7.438385	7.675114	7.348396	7.420784	7.590687	7.436505	7.171632	7.43137
MTRF1L	MTRF1L	9.571422	9.865911	9.316378	9.843048	9.442948	10.45748	9.773375	9.76413	9.781604	9.933973	9.686415	9.884874
MTRR	MTRR	8.171303	8.907632	8.306013	8.455695	8.297487	8.548228	8.181244	8.127026	8.228655	8.157834	8.001048	8.112016
MTSS1	MTSS1	7.805697	7.683252	7.7384	8.489986	9.19214	11.27986	10.88043	10.63615	10.28529	10.11502	9.427074	9.494814
MTTP	MTTP	6.839919	7.232913	6.745025	7.766494	7.56142	7.076771	6.865335	6.995842	7.014686	7.069364	6.783439	6.978803
MTUS1	MTUS1	6.924421	7.081721	6.829203	7.054149	7.133588	8.886952	8.787061	9.037626	8.951127	8.831945	8.538229	8.613008
MTX1	MTX1	9.119093	9.353989	8.949353	8.977496	8.764144	8.514197	8.227245	8.341146	8.355889	8.374521	8.582125	8.23299
MTX2	MTX2	9.864286	10.16284	9.766089	9.895514	9.96111	10.90712	10.66115	10.62029	10.67551	10.75591	10.56217	10.31975
MTX3	MTX3	9.887217	10.00757	9.594365	9.698439	9.499076	9.954678	9.448234	9.408916	9.232929	9.185201	8.854815	8.792964
MUC1	MUC1	7.670347	8.100676	7.104773	7.373254	7.446615	7.554475	7.581785	7.485714	7.519358	7.518301	7.225687	7.149583
MUC12	MUC12	7.333784	7.610967	6.998275	7.222363	7.084352	7.043614	6.985638	7.034236	7.031771	7.124055	6.988972	6.996917
MUC13	MUC13	6.808341	6.993423	6.863145	7.019772	6.876635	7.031406	6.921404	6.859786	6.972454	6.907011	6.784456	6.746001
MUC15	MUC15	6.905129	7.146158	6.877748	6.982254	7.060977	6.976101	6.933864	6.955906	6.982753	6.86183	6.675929	6.848212
MUC16	MUC16	7.187328	7.386023	7.010999	7.279297	7.03756	7.306091	7.064364	7.07782	7.325901	7.313539	6.941128	7.007172
MUC17	MUC17	6.843191	6.972016	6.773686	7.087271	6.992962	6.944145	6.872531	6.880804	6.81401	7.000808	6.784383	6.788638
MUC2	MUC2	6.785257	7.164173	6.751176	7.16729	6.841526	7.008201	6.86643	7.008265	6.911746	6.96625	6.694762	6.766909
MUC20	MUC20	6.806084	6.928501	6.84523	6.93391	7.084503	7.34379	7.183135	7.162823	7.067192	7.089868	6.84254	6.953051
MUC3B	MUC3B	6.877808	7.070378	6.869888	7.030818	6.958427	6.94359	6.868252	6.977463	6.927086	6.963838	6.835952	6.880768
MUC4	MUC4	6.91293	7.121535	6.934573	7.090221	6.992179	7.02066	6.898164	6.988639	6.912271	6.983955	6.843791	6.932464
MUC5AC	MUC5AC	7.077906	7.135488	6.869015	7.024472	7.07255	7.020362	7.039995	7.200169	6.988401	7.00899	6.797767	6.859861
MUC5B	MUC5B	6.982567	7.104245	6.926703	7.205385	7.055799	7.111754	6.909306	7.058372	7.002381	7.033523	6.782545	6.913799
MUC6	MUC6	6.928379	7.175014	6.930899	7.106761	6.970736	7.095288	6.923416	6.980313	6.977349	7.015917	6.837625	6.941037
MUC7	MUC7	6.839663	7.079506	6.80395	7.051257	7.000231	6.950019	6.903959	6.935378	6.950197	6.917066	6.818597	6.871196

MUCDHL	MUCDHL	6.875786	7.148018	6.83063	7.00081	6.957836	6.945777	6.879909	6.948673	6.928176	6.88982	6.833657	6.855983
MULK	MULK	9.471151	9.624042	9.285055	9.283473	9.240432	9.902388	9.398638	9.646099	9.54905	9.559469	9.514058	9.245748
MUM1	MUM1	9.722046	10.23952	9.307777	9.84941	9.586191	9.527612	9.355552	9.459198	9.30483	9.089929	9.043751	8.905359
MUM1L1	MUM1L1	7.084872	7.176841	7.66841	7.805199	8.056756	9.566375	9.301376	9.668322	9.246829	9.316985	8.921279	9.259703
MUS81	MUS81	8.119163	8.588721	8.21433	8.667351	8.461234	9.219006	8.922894	8.936466	9.08742	9.107215	8.883414	8.420154
MUSK	MUSK	7.90368	8.203778	7.919896	8.147098	8.079219	8.335297	8.052065	7.921337	8.026458	7.983881	8.30451	8.010219
MUSTN1	MUSTN1	7.254277	7.337623	7.001785	7.206161	7.198534	7.230898	7.175213	7.112015	7.167414	7.028979	6.877897	7.069072
MUT	MUT	8.340718	8.603128	8.290471	8.87754	8.828865	9.837156	9.237089	9.243623	9.333614	9.177183	8.86457	9.090828
MUTED	MUTED	9.141085	9.457523	8.745268	9.127105	9.033504	9.434033	9.083819	8.701622	8.962999	8.801313	8.594713	8.789406
MUTYH	MUTYH	8.67236	9.357955	8.432209	8.205491	8.084441	7.993368	7.646163	7.721405	7.678544	7.540243	7.267806	7.403874
MVD	MVD	8.351052	8.140544	7.692651	8.1632	8.217937	7.886506	7.804757	8.042308	8.148558	7.842154	8.217037	7.651925
MVK	MVK	7.273106	7.378858	7.101317	7.713644	7.444018	7.522031	7.517752	7.628481	7.43508	7.588335	7.722713	7.365709
MVP	MVP	6.979522	7.135399	6.818937	7.155739	7.364252	7.354393	7.479842	7.714538	7.528764	7.951855	8.955451	8.697029
MX1	MX1	9.259451	9.660077	7.589772	7.35417	7.283291	7.160817	7.301561	7.249763	7.625318	7.417096	7.324332	7.357304
MX2	MX2	7.084479	7.159713	6.738535	7.020552	6.850416	7.03682	6.845846	6.833238	6.885592	6.834162	6.731059	6.715167
MXD1	MXD1	7.193749	7.740014	7.501964	7.793383	7.970462	8.73484	8.052899	8.117866	7.997346	8.064498	7.963043	7.932298
MXD3	MXD3	7.341147	7.744257	7.507929	8.174258	7.909011	7.922571	7.802643	8.069799	7.798351	7.693585	7.380382	7.08552
MXD4	MXD4	9.851887	9.729836	10.24655	11.21723	11.38586	11.03927	10.99157	10.95881	10.87204	10.84183	10.37538	10.54984
MXI1	MXI1	7.017564	7.10934	7.090621	7.244783	7.189194	7.36381	7.206241	7.26108	7.244256	7.298401	7.008847	7.147531
MXRA5	MXRA5	8.166215	8.540569	8.946927	10.49383	9.861119	10.03455	11.34624	11.51321	11.94289	11.30327	10.8445	9.959694
MXRA7	MXRA7	7.52217	7.676965	7.582841	9.198585	9.230797	9.864332	9.512359	9.929909	9.65546	10.00583	9.942274	9.7767
MXRA8	MXRA8	6.813486	7.091001	6.926057	7.236988	7.04049	6.92169	6.945849	7.084695	7.0367	6.920423	7.163365	7.113374
MYADM	MYADM	9.314383	9.264228	9.639369	10.61157	10.64952	11.08503	10.7931	11.14797	10.84653	11.19411	11.66728	10.77223
MYADML	MYADML	6.942467	7.155961	6.816239	7.072843	6.864739	7.062239	7.034451	6.871303	6.940907	7.058443	6.783631	6.847862
MYB	MYB	9.232337	9.251721	7.970784	7.935708	7.506556	7.184373	7.262111	7.172302	7.216049	7.08096	6.915619	7.128661
MYBBP1A	MYBBP1A	7.879771	7.892691	7.109117	7.471052	7.188098	7.188454	7.211452	7.184632	7.2033	7.058394	7.027247	7.073269
MYBL2	MYBL2	7.181957	7.287588	6.92809	7.098084	6.965906	7.035087	7.045143	6.878913	6.912137	7.126349	6.821501	6.949678
MYBPC1	MYBPC1	6.837193	7.128702	6.855377	7.034141	6.924162	7.046999	6.87795	6.994515	7.419653	7.3319	6.781687	6.89906
MYBPC2	MYBPC2	7.504131	7.655054	7.122445	7.020913	6.881846	6.961785	7.024636	7.040867	7.395953	7.068022	7.011628	6.958575
MYBPC3	MYBPC3	6.847948	6.978253	6.960747	10.46116	12.67244	14.76771	14.66007	14.78841	14.18904	14.63813	13.80773	13.95857
MYBPH	MYBPH	6.87761	7.080652	6.889181	7.283254	7.130059	7.331491	7.39161	7.497548	10.89452	9.611811	7.733375	8.205027
MYBPHL	MYBPHL	6.971926	7.179569	6.81487	7.169579	7.069183	7.927585	7.942751	8.078162	8.560826	8.52092	7.55394	7.906029
MYC	MYC	9.750584	9.496152	9.07378	8.645642	8.529641	8.337369	7.598987	7.842209	8.380763	7.988616	8.719634	8.120584
MYCBP	MYCBP	7.620093	7.92462	7.555518	7.781283	7.49307	7.812581	7.406648	7.583967	7.458048	7.485154	7.286986	7.249129
MYCBP2	MYCBP2	9.104146	9.200296	8.81387	9.180606	9.145608	9.488331	8.91236	8.822936	9.157437	8.686759	8.564571	8.821502
MYCBPAP	MYCBPAP	7.116713	7.266415	6.967547	7.208856	6.985494	7.173598	7.126286	7.056736	7.09408	7.034593	6.891588	7.062439

MYCL1	MYCL1	7.01415	7.148836	6.930517	7.121623	7.013993	7.095055	6.988172	7.025954	6.976022	7.068051	6.837767	6.894865
MYCN	MYCN	11.21242	11.10402	10.48038	10.1298	10.07717	9.721372	8.761978	8.473042	7.995465	7.695533	7.088247	7.025609
MYCT1	MYCT1	6.95634	7.06433	6.839262	7.122672	7.036371	7.117139	6.905512	6.981296	6.90382	6.931136	6.972077	7.018301
MYD88	MYD88	8.133405	8.386316	7.986229	8.245307	7.669318	7.562593	7.424473	7.557772	7.469656	7.312496	7.506313	7.257497
MYEF2	MYEF2	6.859412	7.056052	6.830695	6.990198	6.865075	6.907997	6.929991	6.827622	6.893429	6.946643	6.806415	6.854993
MYEOV	MYEOV	7.100436	7.173332	6.836544	7.162901	7.019604	7.22561	7.026733	6.976371	7.026227	6.926651	6.808303	6.987262
MYEOV2	MYEOV2	7.074281	7.204262	6.883653	7.145606	7.109026	7.025262	6.969247	7.058553	6.977899	6.966002	6.865105	6.85336
MYF5	MYF5	6.866861	7.063744	6.924332	7.088414	6.915242	7.099178	6.863836	6.874736	6.95663	6.927355	6.815786	6.836206
MYF6	MYF6	7.054668	7.241804	6.999276	7.12644	7.049974	7.055426	6.925055	6.985835	6.999072	7.074197	6.819987	6.862072
MYH1	MYH1	6.817377	7.090052	6.856712	7.005702	6.924986	6.994582	6.86837	6.921428	6.87443	6.991965	6.782589	6.860183
MYH10	MYH10	13.67931	13.88793	13.04638	13.96999	13.81955	12.90506	12.5833	12.84941	12.691	12.24596	12.38857	11.61737
MYH11	MYH11	6.964068	7.059342	6.755691	6.990014	7.173374	7.893383	7.851186	7.849544	7.806992	7.591834	7.235623	7.111407
MYH13	MYH13	6.877215	6.905416	6.689276	6.753083	6.872209	6.813551	6.768051	6.840973	6.847853	6.868881	6.644224	6.764283
MYH14	MYH14	7.013788	7.161371	6.826075	7.056952	6.976306	7.041662	6.949067	6.953655	6.913944	7.030769	6.893445	6.97611
MYH15	MYH15	6.835633	6.991948	6.844181	6.923824	7.047377	7.005631	6.864087	6.805351	6.966754	6.815628	6.718443	6.805281
MYH16	MYH16	7.014498	7.158916	6.92253	7.053916	7.080733	7.093027	6.989149	7.04981	7.008251	7.021312	6.885042	6.885702
MYH2	MYH2	7.02545	6.994306	6.774812	6.889303	6.920377	6.77793	6.773795	6.828499	6.923753	6.838778	6.67458	6.787658
MYH3	MYH3	7.246718	7.43302	7.221566	7.483997	7.460041	7.890895	7.271366	7.308277	11.96317	10.6911	7.020174	7.616764
MYH4	MYH4	6.821192	7.01986	6.916647	7.052322	6.907884	7.07542	6.980311	7.015243	6.862196	6.914361	6.87515	6.901621
MYH6	MYH6	6.987265	7.077699	6.917943	14.0166	14.86323	15.26458	15.42029	15.44964	15.25909	15.39002	14.6148	15.00518
MYH7	MYH7	6.823116	7.225324	6.784372	7.605417	10.17043	13.65825	14.43521	14.84898	14.13783	14.73159	13.493	14.02102
MYH7B	MYH7B	6.835175	7.036728	6.883023	6.986393	7.688152	8.577174	9.141301	9.061216	8.889483	9.121001	8.156304	8.499295
MYH8	MYH8	6.889351	7.013222	6.921483	6.876051	6.931861	7.003813	6.810866	6.979305	8.928673	8.030698	6.786081	6.9198
MYH9	MYH9	11.87432	12.05843	11.47409	12.44637	12.00789	11.55883	11.15098	11.56804	11.49931	11.45403	12.40877	11.51318
MYL1	MYL1	6.894157	7.105264	6.815129	7.032429	6.944564	7.016185	6.971344	7.059785	9.821972	8.709548	7.005274	7.248626
MYL2	MYL2	6.986849	7.146042	6.888713	7.102905	7.458232	10.10867	13.23636	14.11681	14.03593	14.857	14.3743	14.55675
MYL3	MYL3	6.862719	7.105264	6.989944	8.381808	12.53597	14.7507	14.95032	14.98916	14.50727	14.96846	14.5864	14.59856
MYL4	MYL4	6.907234	7.001396	8.730127	12.73461	13.59227	14.34679	14.46911	14.50085	14.39716	14.50118	14.21021	13.8829
MYL5	MYL5	7.590683	8.128681	7.662692	7.964831	8.343166	9.246199	8.743077	8.685449	8.750668	8.563438	8.442509	8.016219
MYL6	MYL6	14.09986	14.94884	14.42407	14.94283	14.85195	15.20879	15.21158	15.21928	15.09117	15.09604	15.04039	14.60269
MYL7	MYL7	7.106976	7.203822	9.489926	13.14386	14.98594	15.31408	15.59068	15.51389	15.52425	15.59202	15.29465	15.06958
MYL9	MYL9	8.110323	8.245251	7.814115	8.636944	9.426182	11.21806	11.47171	11.45545	11.42148	11.78868	11.66092	11.15679
MYLC2PL	MYLC2PL	6.925957	7.21552	6.866504	7.869268	7.335041	6.95476	6.825263	6.942795	7.252274	6.997422	6.696079	6.708302
MYLIP	MYLIP	10.02985	9.845144	8.81497	10.39085	10.35157	10.4031	10.01692	10.21125	9.912386	10.13806	9.537263	9.452099
MYLK	MYLK	7.379041	7.489821	7.017379	7.247032	7.358135	8.649098	8.587752	8.682778	9.461987	8.971663	9.521885	9.16798
MYLK2	MYLK2	6.966576	7.195819	6.922961	7.140382	7.055853	7.167848	6.900268	7.036907	6.99487	6.906858	6.881767	6.981053

MYLPF	MYLPF	6.988119	7.115405	6.891643	7.402047	6.908734	7.073242	6.999325	7.171293	10.12891	9.323693	6.932092	7.37604
MYNN	MYNN	8.158643	8.713274	8.05135	8.246408	8.201664	8.90161	8.298921	8.463946	8.395438	8.341118	8.19187	8.16648
MYO10	MYO10	9.865495	10.69669	9.072967	9.558212	8.975537	7.670138	7.237978	7.242788	7.860025	7.334565	7.912906	7.725221
MYO15A	MYO15A	6.842948	7.079614	6.841923	7.046631	6.900652	6.918807	6.801583	6.9109	6.965056	6.992796	6.766773	6.812135
MYO18A	MYO18A	7.491134	7.671247	7.07328	7.516923	7.879699	8.648583	8.777437	8.433115	8.400001	8.442239	7.741872	8.289581
MYO18B	MYO18B	6.846925	7.10552	6.70631	6.919455	7.259582	7.897876	7.759576	8.092533	7.607893	8.087836	7.516956	7.347873
MYO1A	MYO1A	6.952889	7.236363	6.987712	7.226177	7.050958	7.149573	7.10357	7.04699	7.087581	7.098607	6.886392	6.864344
MYO1B	MYO1B	8.939067	9.404879	9.229867	10.03945	9.2943	9.344725	8.769276	8.255299	8.42931	8.074358	8.428114	8.249739
MYO1C	MYO1C	7.33635	7.64851	7.163119	7.666716	7.48986	7.728552	7.459203	7.714346	7.526478	7.793323	8.202967	7.896682
MYO1D	MYO1D	7.887462	7.615133	7.794881	8.878894	8.823583	7.841509	7.789604	8.208398	7.990929	7.690487	7.561011	7.343922
MYO1E	MYO1E	7.375688	7.64535	7.003252	7.211348	7.110904	7.274892	7.118694	7.288977	7.163868	7.258484	7.161551	7.023611
MYO1F	MYO1F	6.810503	6.946349	6.757095	6.955539	6.908248	6.930901	6.879889	6.927466	6.761988	6.921893	6.786822	6.783796
MYO1G	MYO1G	6.876292	7.103881	6.713352	6.977086	7.029309	6.943212	6.945013	6.919455	6.966055	6.914135	6.818997	6.853433
MYO3A	MYO3A	6.936149	7.075014	6.933742	7.036181	6.912301	6.968284	6.904106	6.897684	6.956431	6.903702	6.78193	6.821963
MYO3B	MYO3B	7.114488	7.520019	7.159265	7.345036	7.391051	7.437634	7.427047	7.207017	7.310859	7.287275	7.15725	7.127551
MYO5A	MYO5A	8.259935	8.730721	7.522202	7.889586	8.136186	8.47329	8.094035	8.085352	8.308444	8.174834	8.426899	8.399325
MYO5B	MYO5B	6.978255	7.1357	6.919748	7.241227	7.269767	7.102728	6.973436	7.050252	6.982371	7.010726	6.833465	6.937254
MYO5C	MYO5C	10.03332	10.22863	8.945018	8.427856	8.202631	8.482415	7.913553	7.756363	7.84906	7.570306	7.133068	7.186507
MYO6	MYO6	8.04266	8.138098	8.043351	8.803312	8.291194	7.869919	7.481061	7.356743	7.571531	7.308473	7.413719	7.566
MYO7A	MYO7A	6.99034	7.150994	6.942627	7.074242	7.025192	6.975556	7.034084	7.052041	7.004493	6.95819	6.949749	6.867287
MYO7B	MYO7B	6.80191	7.081253	6.909048	7.092256	6.931129	6.963889	6.899572	6.909241	6.967457	7.04597	6.850224	6.924952
MYO9A	MYO9A	8.11771	8.334689	8.214389	8.965707	8.670597	9.149225	8.776774	8.764431	8.489139	8.585486	8.409576	8.773062
MYO9B	MYO9B	8.171776	8.378169	7.905622	8.342521	8.161681	7.832305	7.792802	8.049611	7.869942	7.868872	8.080108	7.918654
MYOC	MYOC	6.950781	7.01983	6.907947	7.074589	6.96882	7.15581	6.957377	7.000766	6.934467	7.003743	6.899498	6.938021
MYOCD	MYOCD	7.017105	7.360526	6.941141	7.898397	7.441491	8.526093	8.059157	8.113028	7.892609	7.929127	7.346539	7.864498
MYOD1	MYOD1	6.831426	7.007073	6.740199	7.033673	6.978936	6.921551	6.782197	6.866276	6.916942	6.942409	6.748994	6.78478
MYOG	MYOG	6.995307	7.114977	6.834163	7.182037	6.907146	7.005841	6.920361	6.981956	7.733795	7.524652	6.805866	6.92811
MYOHD1	MYOHD1	7.771806	8.011991	7.51646	7.496615	7.271024	7.421677	7.192851	7.279678	7.217822	7.218391	7.12797	7.093162
MYOM1	MYOM1	6.943813	7.074909	6.906652	9.155096	12.02421	13.82076	13.68304	13.92645	13.28501	13.71378	12.93523	12.86152
MYOM2	MYOM2	6.89167	7.171091	6.938106	7.744333	8.138426	10.1021	11.35412	11.90171	11.56346	12.19161	11.55728	11.9484
MYOM3	MYOM3	6.924564	7.142116	6.790906	7.058699	6.882764	6.918151	7.093849	7.010623	7.61512	7.175029	6.970096	7.045431
MYOT	MYOT	7.003742	7.179703	6.793546	7.062657	6.863978	7.124028	7.043289	7.493784	8.99093	8.570221	8.414185	8.710502
MYOZ1	MYOZ1	7.102226	7.235544	6.995509	7.337375	7.398574	8.067875	8.041673	8.130247	7.899689	8.064489	7.874085	8.029355
MYOZ2	MYOZ2	6.833532	6.911177	6.774433	7.000735	7.865768	10.12698	10.101	10.49063	10.3831	10.77878	10.49905	10.19927
MYOZ3	MYOZ3	9.786631	10.02869	8.81575	8.069017	8.171153	7.853059	7.682587	7.700566	7.861614	7.595532	7.309732	7.751729
MYPN	MYPN	6.858163	6.980936	6.75397	7.05804	7.08897	7.773605	7.590224	8.065374	8.041341	8.585496	8.731641	8.653739

MYR8	MYR8	6.836071	7.009943	6.902819	7.095063	6.867409	6.876597	6.780261	6.890342	6.988811	6.952844	6.829082	6.84138
MYRIP	MYRIP	6.93146	7.144199	6.905882	7.019141	6.932369	6.965847	6.879671	6.993124	6.895403	6.955126	6.777403	6.848263
MYSM1	MYSM1	7.113004	7.412717	7.034828	7.175812	7.173865	7.196967	7.031291	7.161404	7.105409	7.042063	6.962268	6.93786
MYST1	MYST1	9.443759	9.264133	8.876107	8.965441	9.210199	9.452832	9.308325	9.251578	9.448362	9.467347	8.843522	9.478563
MYST2	MYST2	7.589923	8.253043	7.691577	7.415614	7.163534	7.412383	7.270842	7.213551	7.171828	7.289332	7.13088	7.302797
MYST3	MYST3	8.820944	9.373537	9.050932	10.04622	9.935998	9.817774	9.161225	9.264538	9.151649	9.059566	8.857985	8.918069
MYST4	MYST4	7.338109	7.685658	7.46917	7.61907	7.505534	7.774032	7.763306	7.809467	7.732801	7.714885	7.178631	7.51359
MYT1	MYT1	7.408553	7.193757	7.076028	7.150219	7.458774	6.920596	6.787486	6.895377	7.599894	6.937656	6.749878	6.91529
MYT1L	MYT1L	6.809496	6.997128	6.733432	6.991646	6.896956	6.844912	6.84055	6.875813	7.135097	6.840191	6.804645	6.819807
N4BP1	N4BP1	7.761821	7.779649	7.502873	7.771783	7.705191	7.626341	7.407129	7.576055	7.377676	7.480921	7.265271	7.196765
N4BP2	N4BP2	9.626826	10.54315	9.891974	10.35807	10.27809	10.021	9.948538	9.18601	9.775891	9.352027	8.710168	9.348571
N4BP3	N4BP3	7.605938	7.546243	7.007276	7.032405	6.948845	7.099089	6.959322	6.95181	6.917421	6.98263	6.743365	6.753618
N6AMT1	N6AMT1	7.560678	8.011798	7.742702	8.199583	8.106525	8.052645	8.077032	8.036465	7.901284	7.878644	7.528973	7.832054
NAALAD2	NAALAD2	7.501782	8.164082	7.693142	10.19308	10.29146	8.836824	8.753357	8.52552	8.413126	8.217397	7.360457	7.709701
NAALADL1	NAALADL1	6.913363	6.997426	6.830548	6.97478	6.883225	6.965979	6.741266	6.882633	6.778585	7.015937	6.771617	6.885673
NAALADL2	NAALADL2	6.988564	7.170082	6.879881	7.074682	6.966622	7.084194	7.002532	6.998045	6.988469	6.938683	6.861717	6.996307
NAB1	NAB1	8.940996	9.206239	8.749779	9.814855	9.57936	10.20821	9.623968	9.6327	9.567759	9.736972	9.187531	9.282464
NAB2	NAB2	7.33693	8.030396	7.67515	7.820889	7.433928	7.931906	7.462356	7.564857	7.520757	7.810985	7.539514	7.540098
NACA	NACA	13.96869	14.44249	13.804	13.7889	13.93637	13.92814	13.83031	13.70373	13.89758	13.71938	13.57683	13.08717
NACAL	NACAL	7.148439	7.190968	6.964036	6.987098	6.985681	7.135939	6.888225	6.949874	6.977944	7.010434	6.800093	6.92742
NACAP1	NACAP1	9.001747	9.683498	9.17517	8.926739	9.213053	8.853539	8.984983	8.33219	9.097959	8.509595	8.360196	8.028138
NADK	NADK	8.046598	8.106327	7.676417	8.184055	8.015805	8.010959	7.700669	7.639842	7.778119	7.635304	7.726459	7.569044
NADSYN1	NADSYN1	8.121308	8.666976	8.285368	8.394729	8.438812	8.180021	7.929427	7.999972	7.924031	7.927575	8.028967	7.922231
NAG	NAG	7.698858	7.7521	7.633044	8.381041	8.067029	8.112224	7.92433	8.007787	7.932118	7.83997	7.749973	7.929388
NAG18	NAG18	13.35583	13.98492	13.55476	13.93782	13.7045	13.64324	13.76609	13.59027	13.72566	13.67222	13.15312	13.60048
NAG6	NAG6	10.11443	9.916137	9.030958	9.482622	9.018139	8.688427	8.001632	7.909906	8.870203	7.67561	7.504567	8.151788
NAG8	NAG8	8.120225	8.676278	8.234791	8.949836	8.789974	8.049496	7.953635	8.180192	8.019011	7.77622	7.833587	7.410101
NAGA	NAGA	7.296424	7.410075	7.182813	7.458258	7.286091	7.211501	7.305086	7.215319	7.231621	7.119703	7.278105	7.034793
NAGK	NAGK	9.021195	10.09851	9.45744	10.05431	9.988093	10.41292	10.1346	10.25745	10.33276	10.3386	10.5483	10.25224
NAGLU	NAGLU	7.477033	7.760613	7.451646	7.598544	7.644556	7.867359	7.67066	7.656925	7.787595	7.795841	8.092413	8.225825
NAGPA	NAGPA	8.084738	8.452055	7.950092	8.171742	7.800725	7.933991	7.653814	7.758331	7.608707	7.703697	7.892407	7.562786
NAGS	NAGS	7.02554	7.106048	6.854642	7.087594	7.183231	7.062453	7.153286	7.060052	7.102954	7.07713	6.905668	7.014312
NAIP	NAIP	7.005697	7.137209	6.963829	7.072333	7.027044	7.087267	7.006704	6.969004	7.016398	7.079191	6.874038	6.883926
NALP1	NALP1	7.913579	8.14158	7.9119	8.633297	9.311298	9.264816	9.098761	9.491956	9.855133	9.299216	9.847946	8.484575
NALP10	NALP10	6.969865	7.253768	6.908315	7.16805	7.115687	7.261665	7.126576	7.070251	7.096606	7.182418	6.988295	6.87318
NALP11	NALP11	7.022614	7.113328	6.830337	7.100082	6.989044	6.922954	6.833197	6.987036	6.940356	6.880793	6.747741	6.766012

NALP12	NALP12	7.069105	7.125829	6.815029	6.935788	6.879223	6.98278	6.901575	6.917287	6.881849	6.906112	6.739846	6.834989
NALP13	NALP13	6.918265	6.959951	6.871131	7.041881	6.871415	7.076961	6.864769	6.966214	6.888749	6.89301	6.831013	6.767431
NALP14	NALP14	6.803592	6.938736	6.656842	6.931618	6.750798	6.931667	6.757547	6.83002	6.796266	6.801204	6.737657	6.704858
NALP2	NALP2	7.095918	7.124497	6.881187	6.945544	6.979027	6.892223	6.885	6.910794	6.86845	7.088383	6.683156	6.732986
NALP4	NALP4	6.933948	7.056632	6.734299	6.97664	6.877151	7.003628	6.765459	6.88176	6.831912	6.78222	6.751769	6.797785
NALP5	NALP5	6.9115	7.204009	6.847662	7.15905	6.960371	7.117861	6.988894	7.085122	6.993025	7.115694	6.886982	6.863706
NALP6	NALP6	6.820587	7.079052	6.933244	7.056025	6.818066	6.993577	6.770468	7.007208	6.858275	6.968934	6.80598	6.909964
NALP7	NALP7	7.070287	7.350546	6.847701	7.025616	6.889457	6.982832	6.937608	7.000162	6.896483	6.929835	6.863514	6.831135
NALP8	NALP8	6.894755	6.914606	6.724075	7.007248	6.798019	6.893141	6.844646	6.836978	6.89345	6.882963	6.771636	6.810726
NALP9	NALP9	6.793566	7.020639	6.780783	6.955083	6.848001	6.928878	6.827178	6.934449	6.882352	6.875952	6.786339	6.81071
NANOG	NANOG	10.22543	10.78448	8.974352	7.256797	6.924435	6.875489	6.908307	6.836681	6.859199	6.924282	6.697501	6.843591
NANOS1	NANOS1	7.088528	7.312244	6.992875	7.285865	7.105555	7.191659	7.083901	7.171451	7.108314	7.1205	6.895548	6.983602
NANOS2	NANOS2	6.875487	7.172233	6.859478	7.049262	6.863417	6.891233	6.824658	6.960873	6.897895	7.037896	6.819671	6.887091
NANOS3	NANOS3	7.146219	7.395604	8.126622	8.210054	7.740477	7.934415	8.231996	7.92682	8.456499	8.318188	8.24171	8.157518
NANP	NANP	7.256929	7.474094	7.050514	7.31403	7.184918	7.270393	7.022302	7.135415	7.083114	7.120624	7.01046	7.045579
NANS	NANS	8.494321	8.873202	8.781017	8.804631	8.621553	8.916414	8.357993	8.072093	8.544344	8.303598	8.454788	8.366646
NAP1L1	NAP1L1	11.02927	10.91913	10.55807	10.77261	10.76926	10.57055	10.28718	10.34253	10.27463	10.01016	9.990916	9.504673
NAP1L2	NAP1L2	7.583037	7.810444	7.223584	7.236804	7.111825	7.516183	7.291612	7.339189	7.364182	7.223588	7.099686	7.237996
NAP1L3	NAP1L3	10.28105	10.55251	9.339014	9.118361	9.310037	10.37716	10.10919	10.18878	10.14254	10.21416	9.916749	9.773648
NAP1L4	NAP1L4	11.49422	11.67441	11.38882	11.47074	11.29436	11.72534	11.35157	11.5096	11.24834	11.40788	11.24847	11.34659
NAP1L5	NAP1L5	7.91755	8.355712	7.80396	8.321886	8.594974	8.603787	8.436342	8.579162	8.729364	8.465599	8.40169	8.171574
NAP5	NAP5	6.878919	7.120078	6.804249	7.230349	7.195941	6.969675	6.92803	7.116772	7.243058	7.222725	7.124918	7.17866
NAPA	NAPA	7.03165	7.341204	6.935738	7.198715	7.114627	7.394724	7.147772	7.117057	7.262512	7.304036	7.05784	7.098156
NAPB	NAPB	8.945474	9.030401	8.943903	9.293714	9.273967	9.71418	8.936356	9.036793	9.189114	8.785765	8.601243	9.031682
NAPE-PLD	NAPE-PLD	7.43348	7.730197	7.287469	7.503062	7.798871	8.069549	7.844101	7.677425	7.795588	7.587193	7.277023	7.509054
NAPG	NAPG	7.455636	7.942015	7.648631	7.604234	7.386617	7.824749	7.552071	7.557746	7.556391	7.553724	7.446202	7.507216
NAPRT1	NAPRT1	10.63613	10.77202	9.968713	10.40897	10.20496	10.71596	10.3443	10.12271	10.32945	10.09608	9.268113	10.21443
NAPSA	NAPSA	6.950136	7.11958	6.784713	7.07196	6.910141	6.916488	6.966409	6.909201	6.85885	6.98139	6.767744	6.845795
NAPSB	NAPSB	6.881841	7.099648	6.83321	7.062035	6.940546	7.005283	6.917201	6.975949	6.971177	6.883798	6.800187	6.88704
NARF	NARF	10.06836	9.612848	9.756291	9.971875	9.75398	9.570907	9.693125	9.833394	9.775471	9.902869	9.487354	9.850218
NARFL	NARFL	8.107323	8.348312	7.936928	8.168991	8.008989	8.632024	8.337194	8.303971	8.397633	8.397027	8.242389	8.130236
NARG1	NARG1	9.246981	9.505499	8.881328	8.984971	8.540638	9.163819	8.433368	8.399596	8.33475	8.463627	8.046867	8.211036
NARG1L	NARG1L	8.017332	8.190996	7.794855	7.900631	7.820627	7.826851	7.468275	7.440867	7.540031	7.456451	7.179342	7.278725
NARG2	NARG2	7.496926	7.727109	7.61459	7.66461	7.452981	7.623887	7.396379	7.302457	7.392328	7.322257	7.129519	7.207997
NARS	NARS	12.55584	13.22156	12.28654	12.42806	12.11558	13.14974	12.73237	12.49547	12.76834	12.53378	12.0992	12.64605
NARS2	NARS2	9.028784	9.277506	8.669651	8.457528	8.245659	8.905776	8.420625	8.236986	8.295255	8.340463	7.927536	8.016391

NASP	NASP	10.16678	10.0642	9.733126	9.48492	9.175696	9.516763	9.250107	9.15467	8.886098	9.041182	8.128606	8.094606
NAT1	NAT1	7.228561	7.476733	7.07316	7.189912	7.2142	7.288972	7.128716	7.288299	7.207082	7.234247	7.131808	7.017124
NAT10	NAT10	10.9108	11.36371	10.47045	10.03766	9.823769	9.352649	8.87432	9.139913	9.142352	9.143954	9.208099	9.37562
NAT11	NAT11	7.265977	7.299958	7.077246	7.42273	7.368364	7.868831	7.389093	7.615695	7.361538	7.50482	7.389074	7.391284
NAT12	NAT12	7.877564	8.365103	7.873628	7.755887	7.536132	8.111884	7.749161	7.671467	7.839523	7.561108	7.565286	7.800409
NAT13	NAT13	8.596704	9.167725	8.38752	8.620935	8.156408	8.177783	8.130988	7.86685	8.170662	8.014697	8.039972	8.297184
NAT2	NAT2	7.58975	7.675643	6.979361	7.154	7.149013	7.182594	7.040893	6.956901	6.956775	7.019022	6.832718	6.913687
NAT5	NAT5	10.49563	10.73377	10.33961	10.60074	10.99535	12.26218	11.41882	11.49006	11.45296	11.38706	11.3201	10.8741
NAT6	NAT6	7.423327	7.52813	7.211712	7.495525	7.468936	7.850115	7.671433	7.66292	7.652619	7.583389	7.755831	7.615927
NAT8	NAT8	6.947977	7.107962	6.921791	7.026516	6.934963	7.121601	7.035979	6.98885	7.033318	6.967926	6.849584	6.801744
NAT9	NAT9	8.702861	9.060547	8.464546	8.672078	8.625774	8.802533	8.665503	8.770532	9.006216	8.855176	8.650216	8.529085
NAV1	NAV1	8.471703	7.719528	7.948107	9.01761	9.100986	9.610143	9.571076	10.10896	9.188705	9.556483	9.271234	9.276446
NAV2	NAV2	10.17854	11.26234	10.35892	11.32338	10.86829	11.679	10.76506	10.23676	9.820334	9.156186	8.94572	8.843442
NAV3	NAV3	7.042699	7.683401	6.92722	7.33701	7.013367	7.34623	6.972513	7.082059	7.516678	7.151795	7.536302	7.501689
NBEA	NBEA	8.038161	8.004314	7.496136	7.630292	7.848864	8.161453	7.789947	7.728303	8.048832	7.779729	7.508213	7.836339
NBEAL1	NBEAL1	6.911489	7.042046	6.825481	7.102766	6.931352	7.008168	6.760539	6.978515	6.787979	6.921934	6.837264	6.870215
NBEAL2	NBEAL2	8.090834	7.914893	7.336523	7.763107	7.63743	7.54764	7.587057	7.629972	7.529793	7.527604	7.1556	7.262986
NBL1	NBL1	7.858767	7.615187	7.485267	7.908782	7.870172	7.344015	7.425773	7.901901	8.580722	8.139527	9.333174	9.26156
NBLA1038	NBLA1038	8.666125	8.514258	8.30096	9.038981	9.136883	8.430857	8.098399	8.137931	8.068881	7.516023	7.653526	7.557726
NBN	NBN	8.036493	8.568746	8.430499	8.448663	8.265297	8.505079	7.93883	7.973352	7.924725	7.78943	8.029295	7.800785
NBPF1	NBPF1	7.028455	7.240503	7.066128	7.420434	7.389928	7.276761	7.203187	7.242983	7.315166	7.147979	7.033394	7.032658
NBPF10	NBPF10	7.499735	8.049491	7.924721	8.67422	8.760404	8.884635	8.422401	8.246404	8.497992	8.097299	7.783413	8.889322
NBPF11	NBPF11	8.946138	9.238501	9.58027	10.60213	10.31953	10.05194	9.783912	9.717052	9.869028	9.334777	9.163426	9.030664
NBPF12	NBPF12	6.965437	7.080044	6.792722	7.109497	6.981949	6.989308	6.956602	7.011788	6.911893	6.950311	6.902633	6.940911
NBPF14	NBPF14	7.434247	7.791524	7.727627	8.962655	8.427228	8.102188	7.957923	7.95915	8.04148	7.765958	7.614446	7.846246
NBPF15	NBPF15	6.874118	7.092613	6.793808	7.11194	6.941133	7.232476	6.982858	7.112663	6.962548	7.049315	6.962129	6.938359
NBPF20	NBPF20	7.513233	8.077135	7.805362	8.502227	8.708837	8.784856	8.287706	8.138737	8.309175	7.961097	7.599291	9.123989
NBPF3	NBPF3	7.320904	7.592275	7.633093	8.210348	8.026489	7.859474	7.737818	7.67991	7.795472	7.563875	7.425487	7.409259
NBPF4	NBPF4	7.019586	7.102358	6.847623	6.988067	6.846236	7.016219	6.912542	7.051787	6.938608	6.851649	6.864609	6.762149
NBPF5	NBPF5	6.826263	6.969755	6.750196	7.130469	7.044313	6.931212	7.014821	6.998997	6.949252	6.873167	6.82302	6.814106
NBPF7	NBPF7	6.949289	7.05792	6.776346	7.083363	6.967388	7.031413	6.922854	6.907647	6.914286	7.000371	6.776806	6.901705
NBPF9	NBPF9	6.88752	7.140818	6.946175	7.288732	7.156453	7.120113	7.051477	7.057705	7.047587	7.062971	6.835775	6.918457
NBR1	NBR1	6.962749	7.130707	6.881593	7.049454	7.050868	7.195117	6.978943	7.068528	7.072171	7.086586	6.92182	6.959237
NBR2	NBR2	7.223115	7.580523	7.208331	7.334676	7.307531	7.322911	7.076297	7.153445	7.121581	7.070785	6.913782	7.025461
NCALD	NCALD	7.582121	7.231072	6.987249	8.23319	8.832953	9.358351	8.896232	8.625593	9.141087	8.388782	7.730852	7.646473
NCAM1	NCAM1	6.965431	7.239836	7.376941	8.106734	8.026595	8.804629	8.683937	9.00178	8.577871	8.61554	8.180594	8.251574

NCAM2	NCAM2	6.981307	7.237646	6.75587	7.018213	7.145397	7.196237	6.852292	7.111474	7.735926	7.134462	7.182749	7.217564
NCAPG2	NCAPG2	8.658543	8.679897	7.890533	7.987791	7.729755	7.553942	7.396427	7.46589	7.224838	7.409038	7.012521	7.059674
NCBP1	NCBP1	10.044	10.58825	9.706016	9.902657	9.23777	9.801646	9.192697	9.0279	9.072212	8.981696	8.842868	9.007693
NCBP2	NCBP2	9.436692	9.865336	9.110519	9.163364	9.201374	9.502082	9.041829	8.883874	9.029581	8.746202	8.790784	8.759061
NCDN	NCDN	7.391985	7.818212	7.138803	7.387666	7.262135	7.583271	7.386651	7.373235	7.302122	7.427629	7.562077	7.422888
NCF1	NCF1	6.7812	7.030938	6.710929	7.008061	6.805993	6.923759	6.79885	6.925262	6.880004	6.860104	6.746367	6.802572
NCF1B	NCF1B	6.769162	7.121664	6.722245	6.928927	6.856073	6.965667	6.842486	6.895144	6.839641	6.921344	6.683477	6.799098
NCF1C	NCF1C	6.912068	7.069963	6.840267	6.99271	6.962069	6.96721	6.826824	6.882737	6.914928	6.924805	6.782184	6.867537
NCF2	NCF2	6.996842	7.212941	6.955042	7.112834	7.059175	7.094329	6.968745	6.949301	6.967649	7.103171	6.81093	6.989009
NCF4	NCF4	6.937449	7.099996	6.800189	7.064805	6.948005	7.077221	6.944793	6.985964	6.962067	6.956481	6.748172	6.887015
NCK1	NCK1	9.460967	9.71707	9.355035	10.0477	9.906527	10.29661	9.581282	9.792683	9.70769	9.540762	9.92866	9.578535
NCK2	NCK2	10.00837	10.11195	9.607575	9.865784	9.663668	9.728653	9.593494	9.322595	9.628112	9.245065	8.73342	9.008959
NCKAP1	NCKAP1	9.246818	9.317848	9.250781	9.576765	9.194462	10.02692	9.429302	9.945461	9.438524	9.790786	10.28533	9.746754
NCKIPSD	NCKIPSD	8.588788	8.98714	8.018575	8.18172	8.198733	8.628943	8.475771	8.096963	8.181231	8.024503	7.768438	8.333513
NCL	NCL	12.36381	12.68375	11.92734	11.79403	11.5661	11.55444	11.13674	11.12072	11.23139	10.96454	10.97534	10.89744
NCOA1	NCOA1	8.339918	8.737789	8.846854	8.902737	9.127655	9.112164	8.903467	8.931621	9.084179	8.842812	8.291961	8.736893
NCOA2	NCOA2	6.987809	7.138596	6.861564	7.080502	6.992905	7.110074	6.835524	7.046691	6.908973	6.875217	6.88661	6.903117
NCOA3	NCOA3	8.882684	9.114601	8.63512	8.837914	8.790343	8.816164	8.648864	8.580786	8.70375	8.483528	8.265764	8.340948
NCOA4	NCOA4	12.31547	12.92982	13.60602	13.39542	13.28408	13.98473	13.58764	13.5844	13.51634	13.38736	12.9738	13.24725
NCOA5	NCOA5	8.972779	9.568985	9.337998	9.669121	9.448808	9.396374	9.087667	9.166061	9.035957	8.991227	8.75062	8.687771
NCOA6	NCOA6	8.673101	8.586525	8.699864	9.489921	9.666485	9.7058	9.38168	9.603691	9.564073	9.60688	9.583745	9.345142
NCOA6IP	NCOA6IP	8.921243	9.264108	8.637042	8.504797	8.31449	8.325323	7.941599	7.869862	7.907938	7.922409	7.488935	7.721422
NCOA7	NCOA7	8.178995	8.321046	7.738221	8.274801	8.333491	8.422873	8.773608	9.389753	9.292431	9.045761	9.790723	8.993182
NCOR1	NCOR1	7.8331	8.139391	7.7166	7.97921	7.744874	7.985997	7.719542	7.960044	7.735387	7.880059	7.854602	7.865471
NCOR2	NCOR2	9.957008	10.17501	9.235156	9.616295	9.694038	9.46873	9.253524	9.477712	9.43054	9.350524	9.837007	9.38548
NCR1	NCR1	6.940491	7.144516	6.879711	7.035183	6.994321	7.043759	7.007736	6.959259	7.000434	6.986888	6.977458	6.868238
NCR2	NCR2	6.965794	7.044286	6.881324	7.024947	6.993208	6.940001	6.835466	6.900719	7.013463	6.922351	6.674271	6.772215
NCR3	NCR3	6.920874	7.032142	6.753878	7.07498	6.903671	7.033494	6.832372	7.004082	6.918132	6.943193	6.789627	6.823444
NCSTN	NCSTN	10.80983	11.28184	11.04417	11.16003	11.3583	11.01098	10.67857	11.04867	10.75202	10.92157	11.26931	10.7944
NDE1	NDE1	9.348106	9.33943	8.862829	9.019504	9.066438	9.133163	9.01173	8.81025	9.09167	8.908691	8.395451	8.610722
NDEL1	NDEL1	9.863138	10.23377	10.18689	10.52223	10.26548	9.998123	9.948648	10.11303	10.22	9.956996	10.3852	10.16086
NDFIP1	NDFIP1	7.957845	8.213503	7.847462	8.810389	9.002934	9.694518	9.024533	9.064226	9.15783	9.091807	8.926054	9.099829
NDFIP2	NDFIP2	10.21542	10.28564	10.08918	10.97587	10.90618	11.97104	11.19332	11.34993	11.19253	11.20901	11.15991	11.11624
NDN	NDN	10.8927	10.76891	10.81188	11.52076	12.07535	12.46053	12.20033	12.30447	12.1317	12.33946	12.0587	11.93406
NDNL2	NDNL2	7.111959	7.419176	7.218436	7.563996	7.328872	7.687298	7.41071	7.364382	7.495367	7.576932	7.420519	7.517235
NDOR1	NDOR1	6.849654	7.100935	6.83923	7.001477	6.915696	7.005749	7.106954	7.0134	6.950009	6.934379	6.85037	6.853243

NDP	NDP	7.208195	7.383898	6.911494	7.202212	7.180024	7.202253	7.233003	7.226229	7.529619	7.280803	7.371097	7.160769
NDRG1	NDRG1	7.234603	7.788805	7.468523	8.054094	8.010743	7.755699	7.308221	7.423028	7.662045	7.351071	8.024275	8.052745
NDRG2	NDRG2	7.429262	8.109664	7.604197	8.689985	9.067144	10.495	9.689466	9.848076	9.321974	9.859356	9.860707	9.927908
NDRG3	NDRG3	8.452307	8.586302	8.201126	8.200276	8.333764	9.430552	9.197773	9.167663	8.965732	9.235704	9.014723	8.866299
NDRG4	NDRG4	8.384356	8.692397	8.32486	8.196397	8.359773	9.277987	8.746735	8.883055	8.915336	9.256626	8.878347	9.541697
NDST1	NDST1	7.415918	8.169218	7.864751	8.129101	8.079464	7.991579	7.524096	7.69408	7.580839	7.677567	7.981091	7.854675
NDST2	NDST2	8.413263	8.47059	8.241043	8.588922	8.682425	8.48582	8.516193	8.529453	8.495525	8.553062	8.094659	8.387702
NDST3	NDST3	6.936755	7.046736	6.899283	7.286753	7.264129	7.0274	7.148441	7.064357	7.260418	6.845817	6.852983	6.865649
NDST4	NDST4	6.869575	7.138959	6.779353	7.16517	6.974925	6.796158	6.917388	6.855464	7.089078	6.93188	6.693538	6.762782
NDUFA1	NDUFA1	12.99829	13.61234	13.01769	13.34021	13.73396	14.63162	14.55577	14.64512	14.67313	14.78421	14.60906	14.25022
NDUFA10	NDUFA10	8.634653	9.154875	8.373169	8.683974	8.981976	10.19848	9.940788	9.981928	9.774246	10.16809	9.859214	9.820609
NDUFA11	NDUFA11	11.2638	11.88758	11.47198	11.86645	12.07762	12.93534	12.74128	12.91389	12.89478	13.33844	12.95744	12.25818
NDUFA12	NDUFA12	11.46944	12.30023	11.66835	11.81631	12.02388	13.31744	12.89725	12.91015	13.09783	13.13293	12.94856	12.1809
NDUFA13	NDUFA13	10.83875	11.63313	11.04362	11.10986	11.11725	11.93282	11.77263	11.87963	11.87716	12.16958	11.96064	11.71415
NDUFA3	NDUFA3	11.78878	12.51274	11.6892	11.90227	12.27138	12.90473	12.97586	12.78521	12.85596	13.20784	13.02005	12.46155
NDUFA4	NDUFA4	13.80436	14.55487	13.76302	14.06457	14.12597	14.50991	14.77542	14.56976	14.85375	14.80979	14.42288	14.29509
NDUFA5	NDUFA5	7.031638	7.335768	7.066611	7.287905	7.220747	7.516855	7.520255	7.269038	7.868583	7.530974	7.148839	7.414466
NDUFA7	NDUFA7	10.05643	10.45749	10.05198	10.01114	9.992978	10.53181	10.30677	10.09332	10.39523	10.54296	10.24482	10.15339
NDUFA8	NDUFA8	11.76743	12.14565	11.78375	12.11771	12.32246	13.76756	13.28471	13.30267	13.38592	13.42544	13.03933	12.92373
NDUFA9	NDUFA9	10.34341	11.34931	10.39787	10.80666	10.55722	11.88734	11.29679	11.49781	11.3191	11.57709	11.48579	11.2436
NDUFAB1	NDUFAB1	12.46448	13.19416	12.39717	12.33469	12.70426	13.27576	13.29999	13.05738	13.39014	13.43555	13.03402	12.86726
NDUFAF1	NDUFAF1	8.474212	8.724351	8.179241	8.469118	8.466785	10.10166	9.402432	9.564177	9.498116	9.60022	9.41418	9.686711
NDUFB1	NDUFB1	7.549139	8.278869	7.520467	7.491729	7.544876	8.432645	8.087002	8.041062	7.947458	7.996459	7.886118	7.862377
NDUFB10	NDUFB10	11.29861	11.88073	11.05564	11.13797	10.99653	11.60625	12.00465	11.62023	12.00141	12.25487	11.77961	12.11373
NDUFB11	NDUFB11	11.86803	12.42683	11.85885	12.24649	12.05572	12.66029	12.38657	12.25484	12.37497	12.62342	12.24767	11.87089
NDUFB2	NDUFB2	11.84266	12.71279	12.20354	12.50198	12.61084	13.61515	13.47482	13.39706	13.65512	13.73703	13.46844	12.76756
NDUFB3	NDUFB3	11.14914	12.33765	11.71333	11.86595	12.31945	13.35053	13.2728	13.14957	13.39604	13.49093	13.26753	12.72954
NDUFB4	NDUFB4	6.938041	7.346665	6.944455	7.008854	6.953967	7.094435	6.859889	6.972417	6.908683	6.968957	6.846245	6.901163
NDUFB5	NDUFB5	11.95971	12.38106	11.91424	12.1765	12.78625	13.89149	13.26982	13.4624	13.34801	13.37656	13.45805	12.84099
NDUFB6	NDUFB6	10.58255	11.11969	10.71512	10.80153	10.94229	12.01553	11.72947	11.69739	11.90195	12.03469	11.86004	11.42843
NDUFB7	NDUFB7	11.65719	12.13329	11.63131	11.65365	11.83504	12.56389	12.37103	12.33797	12.47043	12.66582	12.22905	11.96191
NDUFB8	NDUFB8	13.07786	13.64524	12.87643	13.18994	13.29282	14.13653	13.8026	13.94646	13.83719	14.02633	13.66381	13.47335
NDUFC1	NDUFC1	9.507853	10.10806	9.402553	9.092425	9.6201	10.68108	10.44936	10.33576	10.57497	10.55774	10.65638	10.30499
NDUFC2	NDUFC2	7.368974	7.642536	7.497082	7.933927	7.886284	8.138095	7.872604	7.598623	7.958942	7.756774	7.242847	7.425775
NDUFS1	NDUFS1	8.101881	8.521138	7.825474	8.321046	8.295652	9.267222	8.700694	8.486678	8.591872	8.537511	8.007126	8.554332
NDUFS2	NDUFS2	7.698868	7.804576	7.230825	7.378963	7.444463	8.643115	8.257029	8.203595	8.110769	8.189919	7.800909	8.077563

NDUFS3	NDUFS3	12.10682	12.5479	11.96841	12.19229	12.12326	13.32039	12.79587	12.75755	12.83906	12.83997	12.44256	12.54316
NDUFS4	NDUFS4	11.46092	12.10936	11.2297	11.44589	11.91943	12.45141	12.02509	12.01183	12.31279	12.19113	12.07065	11.29305
NDUFS5	NDUFS5	13.47341	14.23533	13.37728	13.32341	13.45209	14.16229	13.90777	13.88168	14.05651	14.16796	13.84686	13.21024
NDUFS6	NDUFS6	6.957833	7.189697	6.929517	7.07814	7.051612	7.417942	7.067099	7.013214	7.054658	7.029435	6.895876	6.990515
NDUFS7	NDUFS7	11.34789	11.72933	10.77749	11.3503	11.56416	12.71616	12.59258	12.4194	12.51423	12.82149	12.25117	12.46319
NDUFS8	NDUFS8	11.92431	12.53473	11.45386	11.98568	12.12575	12.71598	12.6186	12.4886	12.56313	12.96567	12.7368	12.34564
NDUFV1	NDUFV1	10.42674	10.64264	9.702487	10.35464	10.73498	11.80418	11.45483	11.64221	11.4013	11.57547	11.3425	11.47304
NDUFV2	NDUFV2	12.2906	12.66582	12.03401	11.75011	11.95866	12.91328	12.62632	12.72888	12.72376	12.91044	12.7419	12.14865
NDUFV3	NDUFV3	7.571888	7.810702	7.267454	7.623338	7.599233	8.214292	8.161345	7.955261	8.15404	8.24727	7.627195	8.10911
NEB	NEB	7.062207	7.190568	6.887346	7.072923	7.133531	7.182501	7.050385	7.144023	7.97628	7.778591	6.968546	6.914817
NEBL	NEBL	7.166429	7.41924	7.661726	9.663947	9.752379	11.21396	11.02084	10.90641	10.691	10.87663	10.22996	10.4773
NECAP1	NECAP1	9.302782	9.54223	9.029393	9.512553	9.674968	10.70294	10.09344	10.40908	10.2612	10.3527	10.51898	10.11334
NECAP2	NECAP2	9.101618	9.34919	9.745533	10.03307	9.688741	9.080665	8.56794	8.796382	8.72028	8.491139	9.251304	8.878025
NEDD1	NEDD1	7.414831	7.659926	7.440447	7.710612	7.660946	7.982612	7.46363	7.617382	7.474707	7.487658	7.411338	7.471313
NEDD4	NEDD4	7.08544	7.38387	7.115675	7.569474	7.448819	7.646126	7.297935	7.422163	7.323348	7.333661	7.289502	7.301499
NEDD4L	NEDD4L	8.651941	8.59976	7.759547	8.707167	8.384832	8.536902	8.100361	8.075833	8.24963	7.90536	7.738742	7.92418
NEDD8	NEDD8	12.73756	13.1846	12.51985	12.83105	12.83347	13.34343	13.07082	13.25753	13.28563	13.29808	13.21872	12.77156
NEDD9	NEDD9	7.026713	7.131123	7.398249	7.997405	7.968016	7.846547	7.552985	7.414362	7.446431	7.465086	7.308851	7.186995
NEFH	NEFH	7.544575	8.057345	7.164164	7.418557	7.288929	7.335299	7.140356	7.081876	7.189173	7.077689	6.955824	6.979845
NEFL	NEFL	7.541149	7.590962	7.012918	7.241944	7.322682	7.962402	7.490797	7.356848	7.700269	7.336352	6.901979	6.981506
NEFM	NEFM	8.03964	8.371089	7.35882	7.403842	7.849852	7.465316	7.123265	7.116718	8.743808	7.727592	6.924509	7.219931
NEGR1	NEGR1	6.797442	6.932007	6.707513	7.034731	6.871852	6.92442	6.823111	6.865228	6.915232	6.921869	6.808009	6.77194
NEIL1	NEIL1	7.177951	7.418278	6.940536	7.287869	7.311439	7.37866	7.232524	7.420553	7.24069	7.393004	6.968099	7.221404
NEIL2	NEIL2	8.285971	8.272735	8.279556	8.271371	8.410015	8.36195	8.553033	8.437903	8.45755	8.461645	8.366286	8.266099
NEIL3	NEIL3	7.460029	7.68644	7.215157	7.567959	7.379528	7.254538	7.110831	7.271924	7.161777	7.052694	6.906929	6.902379
NEK1	NEK1	8.31112	8.855073	8.33037	8.832982	8.930127	9.04761	8.824457	8.685547	8.944321	8.668596	8.399074	8.496892
NEK10	NEK10	6.853163	7.121927	6.86251	7.007743	6.996348	7.129671	6.93983	6.998306	6.941715	6.969478	6.844388	6.96009
NEK11	NEK11	7.008468	7.240178	6.958823	7.244781	7.091348	7.226821	6.924044	7.030698	6.996901	6.958537	6.864066	6.861416
NEK2	NEK2	8.835051	9.222579	9.380828	9.082539	8.738998	9.156045	8.715873	8.305137	8.714086	8.501141	7.579256	7.340052
NEK3	NEK3	7.511187	7.678009	7.562169	7.756907	7.544032	7.635959	7.383842	7.293868	7.265983	7.244858	7.188628	7.089157
NEK4	NEK4	7.122797	7.392718	7.096562	7.263039	6.99836	7.203679	7.038091	7.110891	7.046955	7.020743	6.929546	7.111207
NEK5	NEK5	6.740031	7.036937	6.706292	6.923217	6.899642	6.856357	6.797582	6.777439	6.851147	6.945184	6.75462	6.671466
NEK6	NEK6	7.26218	7.660586	7.326095	7.723612	7.554039	7.10699	7.270889	7.41307	7.439192	7.362056	7.786597	7.620945
NEK7	NEK7	7.044565	7.163996	6.870181	7.187175	7.22691	8.282721	7.714939	8.393526	7.724762	8.099589	8.112593	7.651898
NEK8	NEK8	7.913753	8.285723	7.65957	7.667308	7.445622	7.429138	7.248542	7.121867	7.058925	7.175516	6.768786	6.835805
NEK9	NEK9	6.985398	7.068203	6.824394	6.975505	6.941407	7.101418	6.965419	6.940736	6.876823	7.008715	6.933943	6.908398

NELF	NELF	9.515151	9.573552	9.138268	9.655554	9.479891	9.478535	9.314025	8.924575	9.397544	9.035289	8.567984	9.259591
NELL1	NELL1	7.204534	7.261236	7.112917	7.42253	8.256682	7.703035	7.660985	7.550674	7.940768	7.210166	7.044325	7.090017
NELL2	NELL2	10.52698	10.52457	9.12649	8.533354	7.817263	7.117579	7.121437	7.161487	8.992194	7.217551	7.051048	7.006251
NENF	NENF	10.19792	10.50479	9.794698	10.49743	9.964052	10.00291	10.27812	10.25125	10.92069	11.05119	10.57452	11.12198
NEO1	NEO1	8.956432	9.353869	9.648869	9.756378	9.258921	8.522216	8.216584	8.228662	8.341252	8.075066	7.962124	7.85032
NES	NES	9.598555	11.48473	9.878165	10.24465	10.3709	11.69366	11.26737	11.4212	10.98659	11.24018	10.84306	9.684098
NET1	NET1	9.797031	9.766092	9.439071	9.873366	9.564181	8.82674	8.005228	8.116085	8.997462	8.138653	8.190762	8.661374
NETO1	NETO1	6.939032	7.112638	6.855458	7.031941	6.958062	6.972375	6.888057	6.929166	6.804089	6.916304	6.7573	6.792532
NETO2	NETO2	9.01118	10.19361	10.67364	11.23433	10.68112	10.1302	9.395342	9.438775	9.719689	8.91994	9.365429	9.388161
NEU1	NEU1	8.983297	9.909482	9.092114	9.55768	9.313457	9.415197	8.760952	8.847662	8.965377	8.84474	9.252258	9.220839
NEU2	NEU2	6.89047	7.102591	6.738732	6.935638	6.896943	6.885588	6.92397	6.874122	6.973186	6.968618	6.719773	6.929914
NEU3	NEU3	7.077556	7.187686	6.861047	7.011157	7.024111	7.043282	6.965797	6.910409	6.895326	7.114159	6.865145	6.74931
NEU4	NEU4	7.074659	7.231069	6.883796	7.034271	6.996246	7.164729	6.898	6.913475	6.933432	6.876712	6.731224	6.882711
NEURL	NEURL	6.969113	6.988002	6.846031	7.042457	6.841502	7.040507	6.996025	6.929421	7.055984	6.928557	6.846292	6.871449
NEURL2	NEURL2	7.301068	7.681972	7.196551	7.305784	7.983582	9.63381	8.919935	8.857052	8.532273	8.648449	8.359062	7.985885
NEUROD1	NEUROD1	6.925673	7.208419	6.757263	7.075264	7.027238	7.078931	7.021305	7.024999	6.865461	7.092491	6.845543	6.908085
NEUROD2	NEUROD2	6.854986	7.014272	6.819468	7.08304	6.986694	7.042076	6.919696	7.012457	6.892689	7.078494	6.871958	6.937165
NEUROD4	NEUROD4	7.021971	7.232126	6.770019	6.984361	6.998032	6.959878	6.897382	6.899676	6.895739	7.088405	6.771144	6.907239
NEUROD6	NEUROD6	6.927469	7.207952	6.854833	7.252213	6.943418	7.034063	6.928955	7.005731	6.960157	7.006791	6.938486	6.890569
NEUROG1	NEUROG1	6.858795	7.089135	6.804384	7.131238	6.951433	7.006332	6.847778	7.009905	6.988203	6.9905	6.847847	6.848358
NEUROG2	NEUROG2	7.145166	7.311002	7.030297	7.18694	7.252347	7.27514	7.039554	7.145046	7.197839	7.135014	6.902613	7.053652
NEUROG3	NEUROG3	6.874497	7.019187	6.757881	6.933328	7.019808	6.931504	6.803938	6.98896	6.870877	6.915863	6.771365	6.859553
NEXN	NEXN	7.508617	7.849654	7.507836	9.48479	10.08204	12.19964	11.69669	11.96367	11.55388	11.89083	11.38839	11.13163
NF1	NF1	7.233307	7.405953	7.330854	7.793539	7.541605	7.662118	7.565046	7.614915	7.363695	7.481064	7.13937	7.25562
NF2	NF2	7.003252	7.241184	6.961081	7.117492	7.15438	7.182958	7.018669	7.148345	7.022522	7.082077	7.093431	7.137138
NFAM1	NFAM1	6.86474	7.198071	6.897061	7.191956	7.018255	7.00461	6.944887	7.046711	7.061309	6.956736	6.892733	6.911663
NFASC	NFASC	6.999134	7.133764	6.981063	7.061755	6.930903	6.999408	6.927122	7.027299	6.941256	7.063544	6.844281	6.872831
NFAT5	NFAT5	7.330575	7.640657	7.414488	8.058481	7.670925	7.822239	7.465603	7.310231	7.35781	7.313999	6.992612	7.57566
NFATC1	NFATC1	7.258515	7.497194	7.79709	7.580476	7.181658	7.282177	7.193112	7.184612	7.190404	7.232635	7.057017	7.200417
NFATC2	NFATC2	6.906989	6.954863	6.776122	6.986626	6.90755	6.910585	6.806417	6.841282	6.814809	6.852885	6.676461	6.694007
NFATC2IP	NFATC2IP	7.355571	7.615901	7.175502	7.362255	7.164506	7.379961	7.198299	7.198882	7.153712	7.228688	7.0299	7.031464
NFATC3	NFATC3	7.367213	7.511707	7.307226	7.73144	7.533795	7.641068	7.413493	7.435538	7.412589	7.410365	7.267024	7.334865
NFATC4	NFATC4	7.003727	7.064283	6.963225	7.292109	7.357422	7.202681	7.150925	7.134972	7.160603	7.075149	6.819601	7.151863
NFE2	NFE2	7.860175	8.523547	8.091031	8.066609	7.901067	8.252621	7.744939	7.520474	7.28657	7.08433	6.854901	6.933724
NFE2L1	NFE2L1	9.86946	10.36591	9.097673	9.447562	9.137907	9.828603	9.813499	10.15603	9.841653	10.2167	10.17219	10.38034
NFE2L2	NFE2L2	9.021089	9.860212	9.24771	10.35996	10.18971	10.97778	10.67328	10.76778	10.74962	10.57959	10.83177	10.61291

NFE2L3	NFE2L3	10.58533	10.48005	9.475771	7.904078	7.362449	7.099222	7.105717	7.190778	7.373166	7.342476	7.483119	7.690889
NFIA	NFIA	6.992491	6.963246	6.808207	7.068896	7.018589	7.57396	7.971917	8.009718	8.350463	8.120587	7.793687	8.026579
NFIB	NFIB	8.183931	8.761015	7.386214	7.394601	8.2474	9.393103	9.905339	10.32941	10.37347	10.4219	10.05554	9.797472
NFIC	NFIC	7.061945	7.288277	7.202772	7.322453	7.408978	8.039318	8.056571	8.000618	8.207726	8.198207	7.655995	8.45492
NFIL3	NFIL3	8.221252	8.370527	8.158751	8.504993	8.450803	8.927768	8.617076	8.327347	8.666978	8.595658	8.307803	8.899884
NFIX	NFIX	6.766836	6.955049	6.918052	6.959953	7.081613	7.192959	7.353444	8.500003	8.906313	8.785226	10.15412	8.843905
NFKB1	NFKB1	9.358413	9.551836	9.063778	9.868386	10.27748	10.8628	9.997082	10.17217	10.06871	9.998175	10.03513	10.07461
NFKB2	NFKB2	7.184815	7.366106	6.975707	7.27053	7.097655	7.254478	7.057854	7.16713	7.144588	7.261292	7.232049	7.109933
NFKBIA	NFKBIA	10.85789	11.08428	11.13884	10.93314	10.71898	11.24621	10.6834	10.73363	10.80071	10.63841	10.52825	10.57914
NFKBIB	NFKBIB	7.447924	7.735848	7.279184	7.420977	7.294445	7.49671	7.330954	7.357859	7.294818	7.475647	7.345173	7.458343
NFKBIE	NFKBIE	8.274286	8.450291	7.402948	7.606148	7.491436	7.799082	7.37254	7.263182	7.214217	7.319324	7.28107	7.444646
NFKBIL1	NFKBIL1	7.106778	7.347606	7.002382	7.142843	7.149136	7.196263	7.008091	7.089304	7.023207	7.22616	7.034353	7.102873
NFKBIL2	NFKBIL2	7.392552	7.640213	7.270477	7.418361	7.194279	7.161517	7.081717	7.1407	7.064272	7.124376	6.938934	6.914363
NFKBIZ	NFKBIZ	8.516918	8.436819	7.734597	8.414637	9.180507	9.97567	9.629263	9.802321	9.37796	9.335013	9.793321	8.836315
NFRKB	NFRKB	7.454865	7.491162	7.40288	7.764722	7.466252	7.37995	7.248102	7.389094	7.244635	7.198861	7.180239	7.059166
NFS1	NFS1	7.142261	7.327932	6.974394	7.135113	7.184837	7.221949	7.149899	7.268428	7.187463	7.188837	7.101398	7.194837
NFU1	NFU1	10.09893	10.81993	10.14059	10.00392	10.23997	11.40355	10.93533	11.09594	11.02535	11.21036	11.15415	10.53315
NFX1	NFX1	8.422889	9.17504	8.207781	8.386029	8.346428	8.75726	8.523267	8.342964	8.527577	8.572742	8.032826	8.260604
NFXL1	NFXL1	9.18144	9.619682	8.909676	9.047167	8.63488	8.711608	8.157234	8.145925	8.165644	8.003013	7.732363	7.774595
NFYA	NFYA	7.327671	7.575074	7.336407	7.740161	7.420574	7.258546	7.077031	7.180229	7.205317	7.14555	7.070941	7.160205
NFYB	NFYB	7.429945	7.853901	7.397753	7.790673	7.724532	8.003908	7.751794	7.511586	7.422531	7.474159	7.022282	7.201102
NFYC	NFYC	8.676425	9.132321	8.809565	9.336284	9.328453	10.56264	9.970439	10.15834	9.767448	9.974494	9.714538	9.535336
NGB	NGB	7.465117	7.719729	7.33949	7.490075	7.431423	7.6674	7.493963	7.451514	7.564992	7.653314	7.331351	7.506541
NGDN	NGDN	9.940563	10.29828	9.78183	9.784142	9.630077	10.28977	9.38152	9.555131	9.790079	9.525139	9.575658	9.496616
NGEF	NGEF	7.205252	7.421452	7.0568	7.086145	7.008721	7.011911	6.765319	7.050231	7.025701	6.860151	6.938609	6.954825
NGFB	NGFB	7.213155	7.472068	7.204868	8.16526	7.491185	8.146177	7.138828	7.289187	7.357936	7.130886	7.404198	7.343566
NGFR	NGFR	6.820802	7.083717	6.889693	7.075551	7.091721	7.059222	7.066215	7.040575	7.016959	7.02113	6.81203	6.881637
NGFRAP1	NGFRAP1	11.75221	12.56692	11.8257	12.25544	12.38026	12.51512	12.39962	12.14059	12.22186	12.15769	11.85584	11.38612
NGFRAP1	NGFRAP1	8.606898	9.227759	9.004701	9.689663	8.387101	7.396135	7.147991	7.224309	7.715146	7.160554	7.068898	7.177049
NGLY1	NGLY1	8.885022	9.444589	8.749506	9.055614	9.121965	10.08698	9.442399	9.41405	9.424661	9.392005	9.20912	9.180486
NGRN	NGRN	11.80148	12.35207	11.81574	11.83186	12.16137	12.71754	12.28375	12.36536	12.35038	12.26115	12.18787	12.03216
NHLH1	NHLH1	6.923802	7.004793	6.773194	7.114129	6.871566	7.077704	6.796055	6.919621	6.952652	6.946031	6.745846	6.823359
NHLH2	NHLH2	7.263419	7.263485	7.097269	7.050846	6.953335	6.985228	6.802105	6.927463	7.116405	6.92397	6.757148	6.89782
NHLRC1	NHLRC1	6.847137	6.965841	6.769388	6.923912	6.815242	6.868428	6.790681	6.929919	6.813812	6.836606	6.706	6.754381
NHLRC2	NHLRC2	7.826502	8.1856	7.755159	7.815083	7.457072	8.199889	7.647333	7.616846	7.592361	7.603363	7.637736	7.660001
NHN1	NHN1	7.835105	8.023989	7.599235	7.794094	7.615853	7.697046	7.447252	7.297903	7.496482	7.376536	7.379926	7.655709

NHP2L1	NHP2L1	10.73138	11.10867	10.29797	10.48415	10.55478	11.24066	10.82458	10.83456	10.94028	11.19491	10.896	10.98352
NHS	NHS	7.415069	7.668637	7.301628	7.899109	7.419947	7.102276	6.9672	6.999801	7.12754	6.995263	6.914667	6.987815
NIBP	NIBP	7.352125	7.258224	7.046437	7.450006	7.601476	7.831878	7.598378	8.015251	7.475258	7.964809	8.132064	7.800281
NICN1	NICN1	9.475131	10.13801	9.412319	10.36439	10.66395	11.25374	11.12129	10.97154	10.86867	10.75156	10.10248	10.02487
NID1	NID1	7.269583	7.476913	7.098597	7.538942	7.450393	7.489053	7.502789	7.730643	7.504984	7.43249	7.375646	7.32812
NID2	NID2	6.9713	7.356508	7.063714	9.868564	9.800095	8.943781	8.867984	8.10404	8.274332	7.994435	7.694829	7.748417
NIF3L1	NIF3L1	11.8446	12.203	11.5427	11.29065	11.07109	11.64429	10.92914	10.90577	10.97548	10.82406	10.30427	10.46236
NIF3L1BP1	NIF3L1BP1	11.75776	12.24313	11.61226	11.59186	11.63758	12.2157	11.99999	12.1906	12.191	12.2412	12.17286	11.74862
NIFIE14	NIFIE14	11.72854	12.14004	11.50746	11.42	11.52846	12.28114	11.60589	11.77202	11.69052	11.86088	12.05533	11.65468
NIFUN	NIFUN	8.797343	9.3437	8.865211	8.932457	8.898282	10.06553	9.478023	9.343799	9.674242	9.757698	9.58218	9.6014
NIN	NIN	7.296232	7.497459	7.126737	7.798037	7.869821	7.916899	7.854465	7.928925	7.936338	7.919784	7.635197	7.716484
NINJ1	NINJ1	9.329366	9.355762	8.567224	9.264243	9.281826	9.239206	9.017594	8.888366	9.163535	8.972271	8.793163	9.124417
NINJ2	NINJ2	7.003438	7.202576	6.881885	7.062867	6.942303	7.10568	7.102717	7.275837	7.226602	7.511746	7.173758	7.943675
NIP	NIP	6.790016	6.963775	6.75698	6.942693	6.907701	6.955553	6.92443	6.869812	6.782283	6.999871	6.74432	6.848577
NIP30	NIP30	8.079537	8.248251	7.875736	8.326004	8.199465	8.990297	8.503483	8.629903	8.326411	8.657956	8.405771	8.163303
NIP7	NIP7	10.75973	10.9782	10.43033	10.10273	9.882041	9.93677	9.15549	9.03145	9.270739	9.050723	9.022639	8.791866
NIPA1	NIPA1	8.313798	8.943798	8.995087	8.847364	8.334352	9.001154	8.796917	8.566282	8.553234	8.386062	8.565636	8.497655
NIPA2	NIPA2	10.39207	10.829	10.50555	10.38053	9.949099	10.37031	9.773811	10.06521	9.783342	9.679407	9.906431	9.493726
NIPBL	NIPBL	8.483158	8.891859	8.556616	9.202859	8.841125	8.853768	8.410852	8.329319	8.380916	8.172109	7.866814	8.287999
NIPSNAP1	NIPSNAP1	10.49765	10.6232	9.724286	9.701452	9.858171	9.734388	9.232501	9.445297	9.203093	9.217366	9.138109	8.712581
NIPSNAP3	NIPSNAP3	7.291724	7.557101	7.606255	8.24561	8.12262	8.921046	8.755709	8.637961	8.766433	8.638953	8.418422	8.362466
NIPSNAP3	NIPSNAP3	6.92388	7.038374	6.928652	7.206108	7.034549	7.149409	6.989555	7.178863	7.210888	7.259461	6.958131	7.124044
NISCH	NISCH	10.42568	10.57118	10.20968	10.90317	10.86329	10.54622	10.27512	10.4081	10.28122	10.28131	9.890355	9.918565
NIT1	NIT1	7.437663	7.695053	7.275031	7.472354	7.463874	7.625634	7.608725	7.565594	7.647082	7.657211	7.488541	7.548757
NIT2	NIT2	9.088832	9.584613	9.006441	9.234049	9.282169	10.04257	9.813659	9.597791	9.728748	9.656735	9.260096	9.003674
NKAP	NKAP	7.37931	7.607176	7.342781	7.587917	7.454224	7.768694	7.640789	7.5041	7.610662	7.644864	7.416569	7.667821
NKD1	NKD1	7.012785	7.172156	8.749531	8.97115	8.086501	7.918264	7.428697	7.2349	7.47317	7.230328	6.964699	7.102047
NKD2	NKD2	9.028901	8.50788	7.786662	8.107138	8.531201	8.424279	8.701631	8.527105	9.211324	7.77628	7.636527	7.326342
NKG7	NKG7	6.773242	7.008316	6.867418	7.069897	6.868521	6.888075	6.814612	6.956741	6.876688	6.957958	6.795963	6.862462
NKIRAS1	NKIRAS1	8.604074	8.860961	8.428348	8.762924	9.19414	10.73773	10.50641	10.61636	10.53234	10.67219	10.25409	10.27931
NKIRAS2	NKIRAS2	7.485395	7.694932	7.387862	7.815395	7.71284	8.054399	7.960978	8.004216	7.860165	8.075389	7.939024	8.121552
NKPD1	NKPD1	6.919924	7.026537	6.869963	7.018839	6.932749	7.015087	6.845258	6.95038	6.823566	6.960877	6.821166	6.835197
NKRF	NKRF	8.609273	8.690524	8.55382	8.779885	8.294948	8.623283	8.071636	8.183846	8.159164	8.119683	8.118249	8.035851
NKTR	NKTR	10.3609	10.37919	10.39161	10.87464	10.54211	10.23089	9.838689	9.857441	9.997923	9.286223	9.094522	8.99343
NKX1-1	NKX1-1	6.879555	7.051601	6.897858	7.08084	6.959714	6.995278	6.890117	6.948798	6.892916	7.038423	6.784013	6.915826
NKX2-2	NKX2-2	6.930855	6.987898	7.20483	7.090315	6.85146	7.019356	6.904842	6.93455	6.888913	6.915353	6.734424	6.881026

NKX2-3	NKX2-3	6.886585	7.007643	6.959887	7.362215	7.415721	7.034027	6.898957	7.006576	6.852359	6.995044	6.845116	6.853937
NKX2-5	NKX2-5	6.761305	7.000131	7.569844	8.981077	9.308746	11.58347	10.83404	11.18591	10.45645	11.09697	11.20968	10.71273
NKX2-6	NKX2-6	6.928064	7.123739	6.894221	7.2322	7.303712	7.618114	7.314336	7.405886	7.144817	7.216698	6.884037	6.998952
NKX2-8	NKX2-8	6.820441	7.05089	6.814029	7.072084	7.035479	7.083043	6.946264	6.954496	7.000383	7.019292	6.789086	6.907526
NKX3-1	NKX3-1	7.329641	7.286559	7.356506	8.605632	8.105865	8.417306	8.130968	7.837508	7.83705	8.018368	7.793589	8.212968
NKX6-1	NKX6-1	6.911853	6.960296	6.757694	6.982654	6.994588	6.937955	6.781524	6.851139	6.780992	6.945964	6.870061	6.726458
NKX6-2	NKX6-2	6.894343	7.10157	6.905152	7.123807	7.072755	6.988705	7.0141	6.973365	6.868374	6.957089	6.794963	6.856086
NKX6-3	NKX6-3	6.911939	7.207744	6.869677	7.155538	7.004347	7.227953	7.060158	7.059262	7.019598	7.158319	6.951204	6.914792
NLE1	NLE1	7.840753	8.074799	7.384459	7.502952	7.318087	7.289488	7.119491	7.161151	7.10103	7.198016	6.989492	7.12947
NLF1	NLF1	6.772796	6.918664	6.811648	7.052551	6.82101	6.924829	6.791631	6.909757	6.895068	6.844009	6.734656	6.755179
NLF2	NLF2	6.983921	7.142127	7.054004	7.039162	6.896928	6.948817	6.8317	6.872817	6.842762	6.941498	6.757458	6.820727
NLGN1	NLGN1	8.826476	8.7025	8.002818	7.904564	7.974033	8.086752	8.334238	8.656383	8.92747	9.061161	8.653596	8.630448
NLGN2	NLGN2	9.065143	8.833619	8.608328	8.985739	8.944759	7.823272	7.87109	8.109277	8.182332	7.996049	8.259799	7.697359
NLGN3	NLGN3	7.52554	7.715527	7.014317	7.242836	7.131087	7.139525	7.134526	7.138779	7.188237	6.952575	6.795972	6.832872
NLGN4X	NLGN4X	11.46746	11.44505	9.833029	8.564883	8.337079	7.673402	7.589477	7.517703	8.232074	7.228435	6.948589	6.962968
NLGN4Y	NLGN4Y	6.839303	6.914229	6.6698	6.954099	6.84539	6.956185	6.859284	6.994813	6.85623	6.845732	6.606887	6.774193
NLK	NLK	9.035578	9.574014	8.681203	8.926409	8.694425	9.418524	9.380223	8.615698	8.888008	8.681941	8.018979	8.470068
NLN	NLN	8.849365	8.789647	8.079747	7.988463	7.585421	7.542809	7.098254	7.235254	7.209715	7.200324	7.060928	7.232298
NLRP1	NLRP1	6.882732	6.891657	6.750265	6.93959	6.810091	7.000672	6.78997	6.765171	6.848919	6.83614	6.792018	6.769404
NLRP3	NLRP3	6.845918	7.129278	6.779068	7.037299	6.882567	6.997471	6.8093	6.9344	6.845029	6.895558	6.774979	6.757403
NLRP8	NLRP8	11.09835	12.40373	11.74715	12.15314	12.4398	12.00105	12.25592	11.46985	12.03277	11.54017	11.09905	11.85092
NMB	NMB	8.693041	8.762462	8.087412	8.050548	7.726103	7.756803	7.573967	7.628432	7.629864	7.592976	8.177647	7.872607
NMBR	NMBR	6.938841	6.989104	6.920557	7.013831	6.966031	6.936321	6.843372	6.900736	6.950667	6.897543	6.790358	6.910546
NMD3	NMD3	9.338864	9.961586	9.363832	9.76631	9.685665	10.53556	9.754297	9.847652	10.06009	9.875903	9.772361	9.825901
NME1	NME1	11.97349	12.64681	11.52744	11.54006	11.44619	11.77453	10.9393	10.66075	10.76532	10.52489	10.91174	9.970401
NME1-NMI	NME1-NMI	8.049683	8.447531	8.069585	8.178431	8.161705	8.616487	8.005368	7.760039	7.9888	7.896263	8.195819	7.962935
NME2	NME2	10.74795	11.22829	10.5939	10.45946	10.35577	11.06842	10.42501	10.27703	10.30563	10.40279	10.72063	9.737598
NME2P1	NME2P1	6.931758	7.078	6.760739	7.076511	7.088345	6.931184	6.88058	6.989525	6.97129	7.011542	6.813327	6.943287
NME3	NME3	10.53041	10.7929	9.743534	9.499269	9.78187	10.3361	10.10098	10.11914	9.988825	10.14162	9.875972	9.520067
NME4	NME4	11.04046	11.20488	10.61178	11.50058	11.59128	11.06851	10.71248	10.55764	10.45634	10.22608	10.51455	9.398939
NME5	NME5	6.910797	7.260389	7.491366	7.911451	7.974832	8.564356	8.295947	8.389274	8.437257	8.277746	7.619186	7.426307
NME6	NME6	7.568833	8.091981	7.672665	8.108625	8.135149	8.763018	8.206101	8.235705	8.064198	8.226557	8.170533	8.12201
NME7	NME7	9.130452	9.295127	9.141837	9.408453	9.250608	9.211856	8.70137	8.661864	8.86299	8.608224	8.600026	8.373983
NMI	NMI	8.248986	8.658998	7.492714	7.212287	7.285297	7.369865	7.183536	7.118333	7.400072	7.298657	7.425295	7.469603
NMNAT1	NMNAT1	7.171051	7.562982	7.13891	7.350154	7.721211	8.722355	8.138682	8.095363	7.902698	8.040267	7.63717	7.590572
NMNAT2	NMNAT2	7.778766	8.058604	7.271685	7.345661	7.192964	7.213424	7.107444	7.220788	7.587162	7.425299	7.032315	6.936915

NMNAT3	NMNAT3	7.254266	7.385729	6.907372	7.164557	7.456374	8.072636	7.969636	7.981032	8.076749	8.166866	7.534517	7.667336
NMS	NMS	6.796739	7.104251	6.748214	7.085902	7.006989	6.929928	6.843435	6.923697	6.947933	7.047008	6.742627	6.746354
NMT1	NMT1	9.114349	9.463285	8.430873	8.929564	8.743015	8.893212	8.618418	8.388064	8.396375	8.37953	8.0905	8.626458
NMT2	NMT2	8.087048	8.380154	8.573847	8.538099	8.537991	8.485369	8.114676	7.914519	8.122656	8.069589	8.043164	8.16838
NMU	NMU	9.995883	11.03432	9.95141	8.464113	7.670619	7.342846	7.197706	7.303716	7.440217	7.312999	7.114184	6.867604
NMUR1	NMUR1	6.805852	7.135949	6.899013	7.055209	6.893405	6.882468	6.895146	6.93707	6.892094	6.919139	6.754903	6.79564
NMUR2	NMUR2	6.810521	6.908413	6.809939	6.915756	6.869588	6.884714	6.774767	6.865917	6.94243	6.734724	6.780987	6.786308
NNAT	NNAT	9.092153	8.818873	7.975119	7.732256	7.219305	6.967248	7.010229	7.024075	9.194138	7.181386	6.880801	7.011877
NNMT	NNMT	7.796179	8.090223	7.602199	7.922306	7.723886	7.863714	7.804736	7.796586	8.292683	8.610868	9.558374	9.227497
NNT	NNT	7.674138	8.09855	7.728998	8.584825	9.23064	10.50908	10.17646	9.965127	9.941358	10.12265	9.510026	9.705073
NOB1P	NOB1P	8.317192	8.32476	7.783474	7.842164	7.629531	7.699961	7.406091	7.233224	7.447121	7.361705	7.305474	7.455134
NOBOX	NOBOX	6.923345	7.128681	6.825428	7.111387	7.066966	7.059931	6.945729	7.057686	7.019995	7.042692	6.89381	6.889243
NOC2L	NOC2L	7.747074	8.057566	7.381109	7.587537	7.600768	7.756948	7.276943	7.446693	7.377951	7.36699	7.362245	7.432664
NOC3L	NOC3L	10.44563	10.96543	9.915924	10.3108	9.870136	9.784181	9.103655	8.931099	9.324242	9.075866	9.282222	9.579541
NOC4L	NOC4L	7.492473	7.682777	7.226072	7.541808	7.348632	7.395836	7.249921	7.393244	7.266755	7.343865	7.259639	7.265534
NOD1	NOD1	7.347341	7.512623	7.436936	8.311255	8.32139	7.774521	7.816203	7.908654	7.513182	7.772265	7.959722	7.955554
NOD27	NOD27	6.89268	7.099682	6.840478	6.954142	6.990984	6.984387	6.967067	7.080598	7.100576	7.00877	6.918841	6.891119
NOD3	NOD3	6.892487	7.032591	6.804137	7.111601	7.0846	7.012202	6.96269	7.026646	6.945546	6.951031	6.937429	6.933212
NOD9	NOD9	8.549869	8.492303	8.008192	8.173819	7.988336	8.324507	8.247505	8.226102	8.282039	8.359749	7.918131	8.640711
NODAL	NODAL	7.797688	8.110011	9.337416	9.907158	7.623155	7.109238	7.087337	7.054861	7.045715	7.001107	6.822993	7.055148
NOG	NOG	6.88526	7.140158	6.912268	7.389954	7.384163	7.502719	7.060757	7.04301	7.038153	6.964627	6.839833	6.985689
NOL1	NOL1	10.23473	10.47554	9.563538	9.697436	9.364506	9.836555	9.038183	8.977722	9.076251	8.834677	8.673788	8.871986
NOL10	NOL10	7.319105	7.70865	7.368025	7.945176	7.743729	7.624499	7.671962	7.603594	7.645176	7.447122	7.170549	7.46462
NOL11	NOL11	11.78987	12.38562	11.331	11.58907	11.04177	11.352	10.88583	10.73253	11.08733	10.76256	10.28428	10.51207
NOL12	NOL12	8.399471	9.035644	8.65465	8.402702	8.707276	8.460914	8.393849	8.188043	8.493549	8.272297	7.775265	7.742366
NOL3	NOL3	6.913924	7.071995	6.867329	7.157176	7.197175	7.550248	7.51925	7.639828	7.674498	8.007375	8.210552	8.506858
NOL4	NOL4	7.018605	7.034763	6.876177	7.180136	7.083871	7.228531	6.927366	6.943231	7.117778	6.96245	6.853113	6.818278
NOL5A	NOL5A	12.86074	13.11264	12.22279	11.89286	11.48588	11.50448	11.02823	10.83862	11.12069	10.74587	10.50783	10.83183
NOL6	NOL6	9.71321	10.03193	8.997125	9.423493	9.478364	9.550436	8.892553	8.887364	8.913121	8.781327	8.911472	8.872511
NOL7	NOL7	12.67591	13.0347	12.19208	12.34354	12.273	13.23238	12.52168	12.52631	12.63831	12.60119	12.7641	12.50703
NOL8	NOL8	8.643667	9.268257	8.93827	9.164923	8.83595	9.089849	8.652384	8.669574	8.714798	8.49342	8.336567	8.402018
NOL9	NOL9	7.699773	7.836152	7.480975	7.827889	7.524171	7.6967	7.328522	7.374334	7.163803	7.364181	7.065362	7.484607
NOLA1	NOLA1	10.49055	10.89289	10.21266	9.922815	10.06914	10.16631	9.315015	9.193417	9.416673	9.11214	9.235615	9.202723
NOLA2	NOLA2	10.48413	10.9425	10.30514	9.873601	9.77582	10.14251	9.787443	9.411834	9.704015	9.808785	9.634104	9.378993
NOLA3	NOLA3	12.8444	13.46117	12.79335	12.62541	12.54758	13.19668	12.97021	12.90025	12.94158	12.9603	12.97919	12.51483
NOLC1	NOLC1	9.794506	9.939608	9.205065	8.873206	8.340577	8.840671	8.167281	8.4271	8.258346	8.162635	8.118824	8.05772

NOM1	NOM1	7.00005	7.184204	6.906539	7.124692	7.024316	7.005883	6.938458	6.950151	6.90727	6.970237	6.821332	6.908393
NOMO1	NOMO1	8.961674	9.128557	8.539497	9.303932	8.800098	9.182289	8.774723	9.050683	8.85123	9.056442	9.194745	9.377217
NOMO2	NOMO2	9.390727	9.614962	9.074371	9.638864	9.4237	9.438871	9.117528	9.245064	9.112309	9.23787	9.590276	9.490268
NOMO3	NOMO3	7.774716	7.925609	7.357405	8.004159	7.647497	8.115655	7.732057	7.98653	7.736958	7.906117	7.763603	7.89368
NONO	NONO	11.92359	12.23525	11.78055	11.89222	11.78309	11.76592	11.21033	11.50023	11.05519	11.15439	11.14058	10.44275
NOP5/NOF	NOP5/NOF	10.67978	11.25112	10.50248	10.22605	9.937477	10.1954	9.582613	9.155531	9.691804	9.334752	9.012515	8.933633
NOPE	NOPE	8.321048	8.194216	9.024493	9.018513	9.583005	9.857469	8.8791	8.542565	8.988351	7.929996	7.618126	7.457693
NOS1	NOS1	6.954029	7.036691	6.687658	6.9926	6.885485	6.916292	6.832484	6.949787	6.862241	6.888788	6.799438	6.866581
NOS1AP	NOS1AP	7.066636	7.542032	6.99799	7.526008	7.489076	7.42442	7.431503	7.315411	7.228972	7.301346	6.879111	7.090889
NOS2A	NOS2A	6.980742	7.128389	6.834595	7.072056	6.965632	7.051986	6.933188	6.950378	6.941381	6.906601	6.806804	6.872338
NOS3	NOS3	7.30739	7.511909	7.189342	7.936063	7.989373	7.546537	7.390565	7.340305	7.237977	7.178834	6.807333	6.92184
NOSIP	NOSIP	10.80566	11.29406	10.48542	10.72679	10.47304	11.44669	10.78961	10.77334	10.70986	10.8738	10.70994	10.24718
NOSTRIN	NOSTRIN	6.805108	7.051356	6.774283	7.287647	7.334888	7.56949	7.557104	7.612825	7.340062	7.478517	7.291584	7.115716
NOTCH1	NOTCH1	10.95989	10.43964	9.868909	10.11946	10.56406	9.27814	8.847176	8.583394	9.21085	8.095767	7.832121	8.117144
NOTCH2	NOTCH2	6.979965	7.21491	7.042822	7.423646	7.422856	7.401979	7.206647	7.283286	7.262915	7.346132	7.279044	7.24026
NOTCH2N	NOTCH2N	6.959175	7.078197	6.886266	7.069922	7.042425	7.129028	7.001817	7.038757	7.041643	7.080749	6.894834	6.905308
NOTCH3	NOTCH3	10.1227	10.3732	9.739767	9.821728	9.51123	8.622018	8.343727	8.12077	8.620613	8.037247	8.814055	7.674438
NOTCH4	NOTCH4	7.169368	7.078967	6.979159	7.158809	7.335495	7.054192	7.075267	7.063268	7.092877	7.085856	6.886748	6.90645
NOTUM	NOTUM	6.885859	7.106229	7.533513	7.246198	7.068783	7.086866	6.994655	7.009283	6.914882	6.926849	6.805669	6.886914
NOV	NOV	6.97376	7.189783	7.085968	7.210586	7.0408	7.302547	7.399515	7.635047	8.089905	7.303654	7.74369	7.541073
NOVA1	NOVA1	7.573584	7.881879	7.216301	7.32499	7.368092	7.670349	7.485107	7.393776	7.644095	7.550227	7.446396	7.347056
NOVA2	NOVA2	7.08803	7.329968	6.928665	7.178038	7.194134	7.262291	7.091047	7.145916	7.188299	7.199476	6.963292	7.045834
NOX1	NOX1	7.034264	7.209881	6.932184	7.210206	7.049858	7.052498	6.928549	7.044116	7.011015	7.008175	6.945433	6.919079
NOX3	NOX3	6.805502	7.034553	6.650027	7.019376	6.881454	6.905691	6.808539	7.022068	6.805948	6.854651	6.779946	6.764192
NOX4	NOX4	8.1753	8.408766	8.197846	8.981312	9.697681	7.737586	7.549895	7.683956	7.826219	7.559743	8.692717	9.280756
NOX5	NOX5	6.851789	7.27868	6.838429	7.154415	6.999617	7.056533	6.907111	6.978573	6.955313	7.075447	6.830553	6.887999
NOXA1	NOXA1	6.962819	7.133863	6.804699	7.154293	7.148645	7.379722	7.498618	7.338666	7.289823	7.125276	6.907072	7.031957
NOXO1	NOXO1	7.081217	7.221554	6.814218	7.081555	7.018975	7.047373	6.90286	6.949832	6.932384	6.986181	6.854315	6.856334
NP	NP	10.55689	11.01139	10.62299	9.697267	9.051928	9.007909	8.123808	8.091561	8.371907	8.226671	9.028145	8.185922
N-PAC	N-PAC	9.475432	9.875004	9.313199	9.736081	9.557445	9.618222	9.205203	9.119607	9.017002	8.963869	8.631067	8.332345
NPAL1	NPAL1	7.374933	7.758698	7.055508	7.501928	7.263868	7.599841	7.325102	7.194088	7.187835	7.157171	6.866928	7.059534
NPAL2	NPAL2	6.875176	7.140717	6.92173	7.071777	6.964631	7.011104	6.973226	7.049283	6.956947	7.00303	6.944975	7.015271
NPAL3	NPAL3	7.714696	8.087708	7.182462	7.893544	8.58376	8.522782	8.523963	8.861172	8.428674	8.768479	8.906446	8.760336
NPAS1	NPAS1	8.416038	9.378897	8.027249	7.836837	7.366802	7.568895	7.369257	7.365638	7.278708	7.415284	7.127089	7.152477
NPAS2	NPAS2	6.987473	7.122454	6.852072	7.108499	7.02863	7.129517	7.081162	7.410433	7.434248	7.687479	7.901445	7.868677
NPAS3	NPAS3	6.873228	7.104134	6.743186	7.055143	6.919756	6.98288	6.914812	6.954537	7.031502	7.067258	6.77847	6.920349

NPAS4	NPAS4	7.089471	7.289759	7.008751	8.022948	7.456161	8.028469	7.575728	7.37703	7.246999	7.299429	6.953609	7.009355
NPAT	NPAT	7.93896	8.055828	8.029897	8.130977	7.738558	7.911621	7.575318	7.635259	7.572528	7.332003	7.412451	7.304733
NPB	NPB	6.931548	7.013175	6.830257	7.093392	6.999048	6.975223	6.916685	7.027125	7.023513	6.972072	7.059085	6.819066
NPBWR1	NPBWR1	6.810914	7.01469	6.718459	6.994926	6.87595	7.054816	6.789785	6.899958	6.949665	6.909135	6.801579	6.858955
NPBWR2	NPBWR2	7.070169	7.113009	6.858838	6.997657	6.984269	7.099026	6.928394	7.03812	7.004947	6.948574	6.881535	6.997472
NPC1	NPC1	9.236478	9.718811	9.039281	9.131372	8.761278	9.473491	8.43992	8.656559	8.67786	8.558922	9.029138	8.587584
NPC1L1	NPC1L1	6.895409	7.153397	6.977192	7.150332	6.98691	7.444238	6.963426	6.950801	6.952285	7.036675	6.819033	6.868503
NPC2	NPC2	13.28872	13.52784	13.24501	13.65753	13.8038	13.88938	13.54692	13.57222	13.5596	13.50494	13.64926	13.07122
NPCDR1	NPCDR1	6.998207	7.236276	6.906605	7.106563	6.994266	7.068701	6.971937	7.083041	6.985134	7.062758	6.888449	6.967066
NPDC1	NPDC1	7.541607	7.47024	7.117158	7.436629	7.509586	7.865889	7.756191	8.196205	8.041787	8.098602	8.500875	7.6704
NPEPL1	NPEPL1	8.786101	8.737156	8.078641	8.58776	8.502272	8.305221	8.295672	8.078478	7.918512	8.064793	7.601945	7.701506
NPEPPS	NPEPPS	9.115034	9.608229	9.07683	9.53615	9.414102	9.56297	9.234021	9.144691	9.129863	9.07111	8.97956	9.074913
NPFF	NPFF	6.93795	7.099054	6.892792	7.124259	6.989879	6.89221	6.888454	6.989159	7.048934	7.066435	6.746828	6.904332
NPFFR1	NPFFR1	6.81811	7.034878	6.780945	6.958182	6.865043	6.842422	6.74654	6.905884	6.984178	6.945617	6.773591	6.898953
NPFFR2	NPFFR2	7.187196	7.338659	7.007468	7.224274	7.106941	7.073604	6.869832	6.927854	6.896478	6.897849	6.733987	6.857352
NPHP1	NPHP1	6.937171	7.146616	6.907785	7.115245	7.101388	7.120437	6.984328	7.069081	7.032392	7.120161	6.901806	6.928579
NPHP3	NPHP3	8.325399	8.479718	8.656513	9.284249	9.427403	9.565991	9.090391	9.044588	8.97568	8.67248	8.580348	8.279289
NPHP4	NPHP4	7.580312	7.815527	7.475976	7.78597	7.7225	7.371065	7.26619	7.327521	7.369674	7.191364	7.145245	7.041921
NPHS1	NPHS1	6.946848	7.055913	6.869294	7.225937	6.937933	6.970719	6.928582	6.981488	6.903559	6.920572	6.760476	6.950595
NPHS2	NPHS2	6.94015	7.158904	6.882761	7.100137	6.904008	7.073495	6.910276	7.020802	7.045139	6.937618	6.828994	6.837078
NPIP	NPIP	9.824276	9.5873	9.198631	9.632479	9.323061	9.480908	8.975606	9.038478	9.080065	8.929762	8.838053	8.578862
NPL	NPL	7.299602	7.503656	7.269102	7.393198	7.145303	7.162425	6.932634	7.038237	7.009177	6.956832	6.746238	6.912855
NPLOC4	NPLOC4	8.244979	8.494212	8.032486	8.485251	8.160006	8.673699	8.350426	8.51104	8.209601	8.529389	8.601497	8.405229
NPM1	NPM1	13.9889	14.27246	13.77801	13.7495	13.62851	13.36565	12.98644	12.86121	13.17368	12.92597	12.90758	12.63792
NPM2	NPM2	7.018661	7.219871	6.886654	7.230532	7.038212	7.021024	6.940669	6.982268	6.951897	7.012356	6.842862	6.846448
NPM3	NPM3	11.57643	11.86247	11.00863	10.38135	10.42382	9.943053	9.510011	8.919839	9.446487	9.265297	9.431297	8.959379
NPNT	NPNT	6.939609	7.002375	6.844208	8.348005	9.899664	7.432028	7.972755	8.182508	7.966576	8.481061	8.28569	7.921817
NPPA	NPPA	6.835346	7.045457	8.025584	8.145023	12.07666	14.05625	14.57679	15.1817	15.18543	15.50788	15.48754	15.21826
NPPB	NPPB	7.018542	8.773229	9.206891	11.04528	12.44005	13.7581	13.48366	14.21956	14.25916	14.8258	15.09326	13.97855
NPPC	NPPC	7.0003	7.349072	6.872011	7.203706	7.017949	7.110395	7.051579	6.985914	6.99304	6.926617	6.90014	6.853013
NPR1	NPR1	6.920861	7.313871	6.904142	7.128264	7.146465	7.241594	6.92582	7.063716	6.976905	7.201239	6.999978	6.997046
NPR2	NPR2	7.454411	7.668515	7.354146	7.630515	7.432726	7.500494	7.412955	7.440554	7.400312	7.271379	7.402314	7.395854
NPR3	NPR3	6.908547	7.086483	6.917645	7.154783	7.094847	7.27077	6.918239	7.082099	7.192119	6.940532	7.012754	7.402587
NPTN	NPTN	12.35927	12.43236	12.14211	12.44337	13.0719	13.98337	13.68975	13.72883	13.60557	13.5477	13.50397	12.9579
NPTX1	NPTX1	7.945956	7.017703	6.852121	6.987959	6.920828	6.967172	6.821079	7.037857	7.340048	7.551085	9.872295	9.346744
NPTX2	NPTX2	9.08205	9.509593	8.454647	7.847728	7.640077	8.684726	7.26159	7.399593	8.475891	7.715677	7.359416	7.050184

NPTXR	NPTXR	7.06312	7.453086	6.946061	7.295639	7.169431	7.488564	7.363275	7.340688	7.357328	7.478187	7.115535	7.355851
NPY	NPY	7.132561	8.263548	9.16363	9.403693	8.428177	7.271331	7.362524	7.345886	7.306588	7.611562	7.512674	6.89971
NPY1R	NPY1R	6.8517	6.968061	6.829215	7.033837	6.977059	7.04765	6.855465	6.930136	6.88324	6.85577	6.805738	6.837253
NPY2R	NPY2R	6.789181	7.10338	6.874931	7.009083	6.944822	6.900671	7.005162	7.062015	6.898759	6.920425	6.913779	6.897365
NPY5R	NPY5R	7.25712	7.413481	6.965895	8.035617	7.109109	7.139502	7.051009	6.98474	6.976888	6.959284	6.823509	6.854495
NPY6R	NPY6R	7.168642	7.246802	6.913845	7.214124	7.079742	7.417046	7.524329	8.370265	8.31151	9.146651	9.603776	9.514953
NQO1	NQO1	9.204112	9.848568	8.597678	8.398351	8.109208	7.794927	7.646726	7.502896	7.633583	7.657771	8.792639	9.03896
NQO2	NQO2	10.5932	10.42698	9.408772	9.108641	9.062655	9.212796	8.920217	8.602516	8.682971	8.682691	8.515594	8.474656
NR0B1	NR0B1	6.88329	7.092686	6.844842	7.113342	7.119684	6.909281	6.866765	6.929589	6.96391	6.977408	6.855977	6.783019
NR0B2	NR0B2	6.873887	6.921706	6.766799	7.072473	6.867329	6.957341	6.741689	7.030145	6.730209	6.863163	6.752112	6.778065
NR1D1	NR1D1	7.005792	7.151226	6.98192	7.174227	6.986366	7.098159	6.994936	7.055555	7.021337	7.095861	6.912693	6.952683
NR1D2	NR1D2	7.524808	7.7527	7.747686	7.844598	7.624323	8.17224	7.776819	7.848449	7.768509	7.727292	7.551278	8.541277
NR1H2	NR1H2	8.138513	8.312451	8.08135	7.902884	7.797736	8.373095	8.383127	8.541266	8.343792	8.771647	9.106877	8.671536
NR1H3	NR1H3	9.115993	9.704768	8.69713	8.850329	8.504954	8.329365	8.054047	7.678194	8.189849	8.06761	7.720158	8.233904
NR1H4	NR1H4	6.926618	7.157037	6.884163	7.210009	7.240548	7.06466	7.185648	7.045103	7.21343	7.02927	6.816121	6.870697
NR1I2	NR1I2	6.893661	7.054435	6.887188	7.038272	7.019417	6.993737	6.965099	6.927661	6.911749	6.956022	6.833942	6.890027
NR1I3	NR1I3	6.82824	7.022564	6.801964	6.977712	6.903196	6.941129	6.759697	6.920699	6.816358	6.853869	6.751005	6.8224
NR2C1	NR2C1	8.562829	8.998029	8.771667	9.175726	8.730599	8.95458	8.418532	8.452942	8.383187	8.250672	8.023034	8.00988
NR2C2	NR2C2	7.687919	7.876488	7.594808	7.689161	7.50202	7.316118	7.330879	7.397274	7.371409	7.342917	7.27846	7.268573
NR2E1	NR2E1	7.015156	7.098942	6.887773	7.095644	7.026037	7.124897	6.890993	7.048145	6.910176	6.95114	6.845572	6.946421
NR2E3	NR2E3	7.031812	7.195577	6.867414	7.07824	6.983163	7.002354	6.908606	7.003557	7.03266	6.987618	6.818553	6.878644
NR2F1	NR2F1	6.842077	6.809233	6.878766	7.302449	7.959467	7.286594	7.238862	7.347204	8.518063	7.189675	7.53866	7.729973
NR2F2	NR2F2	6.945396	7.277842	7.045535	7.82171	8.617046	8.168794	8.048031	8.040123	8.481514	8.179069	8.387395	8.250329
NR2F6	NR2F6	9.96194	10.19998	9.727663	9.799151	9.593982	9.434078	9.113963	9.313205	8.960703	9.069726	9.032152	9.094856
NR3C1	NR3C1	6.910176	7.215782	7.024457	7.149215	7.172572	7.352734	7.114767	7.161046	7.061547	7.059985	7.010542	7.186675
NR3C2	NR3C2	7.047801	7.223219	6.897983	7.103112	7.039555	7.135137	7.168969	7.289367	7.25426	7.596428	7.43777	7.99015
NR4A1	NR4A1	6.9144	7.125509	6.876943	7.15826	6.931995	7.082921	6.96387	6.99924	6.96251	7.013929	6.840874	6.918215
NR4A2	NR4A2	7.246469	7.211077	6.968433	7.157036	7.058906	7.516766	7.027072	7.152337	7.21978	7.292248	7.463559	7.586104
NR4A3	NR4A3	6.812953	7.000716	6.770412	7.002783	6.931999	6.973052	6.829629	6.896621	6.883909	6.917647	6.743506	6.825216
NR5A1	NR5A1	6.891243	7.069449	6.81164	6.99445	6.857362	6.898512	6.947617	6.869705	6.807527	6.873591	6.864662	6.775276
NR5A2	NR5A2	7.318819	7.277841	7.121011	7.427185	7.08958	6.938788	6.887481	6.958607	6.936887	6.931631	6.77091	6.838923
NR6A1	NR6A1	7.146315	7.460058	7.213497	7.346011	7.095973	7.115446	6.949306	7.005731	6.903169	6.961749	6.808637	6.845661
NRAP	NRAP	6.779751	6.963063	6.759636	6.955203	6.925931	6.907089	6.892161	6.90236	6.823722	7.137309	7.03096	7.315588
NRAS	NRAS	9.458372	9.873956	9.56619	9.693166	9.246556	9.691942	8.967679	9.209373	8.956466	8.981648	9.333346	9.093743
NRBF2	NRBF2	9.532702	10.04817	9.515749	9.413573	9.253598	9.556109	9.063669	9.433997	9.174258	9.108436	9.139029	9.21728
NRBP1	NRBP1	7.792233	8.364051	8.125435	8.490388	7.970035	8.434162	7.977961	7.939357	8.163396	8.168526	8.151732	8.221906

NRBP2	NRBP2	8.939509	9.083899	8.522405	9.254522	9.71353	10.22264	9.947254	10.08521	9.932626	9.747617	9.528531	8.975226
NRCAM	NRCAM	7.267832	7.946571	8.196081	7.922963	7.163319	7.317058	7.389744	7.306927	7.628615	7.177717	7.024504	7.031063
NRD1	NRD1	11.35932	11.51306	11.19769	11.38279	10.85418	11.29466	10.86565	11.15959	10.83967	11.0897	11.17556	10.96714
NRF1	NRF1	6.964185	7.20651	7.00962	7.178886	6.99255	7.065315	6.840616	6.998441	6.915309	6.934895	6.828248	6.837959
NRG1	NRG1	6.914501	7.193639	7.132296	7.078056	6.927204	7.013668	6.882001	6.978698	6.969908	6.995616	6.862209	6.864848
NRG2	NRG2	6.87557	7.023271	7.431841	7.213431	6.993653	7.069544	6.896676	6.972546	6.874549	7.029634	6.809494	6.892825
NRG3	NRG3	7.002859	7.147175	7.002232	7.100233	6.957352	7.072203	6.871848	6.975267	7.099711	7.009209	6.850279	6.810698
NRG4	NRG4	6.898207	6.964494	6.78443	7.105095	6.901	6.823245	6.79557	6.869935	6.922694	6.851566	6.747852	6.744504
NRGN	NRGN	6.919252	7.01369	7.041245	7.277666	7.139623	6.977061	6.92623	7.104825	7.053572	6.895229	7.106902	6.892172
NRIP1	NRIP1	8.524482	9.509634	10.05314	10.29251	9.628832	9.771959	9.221064	9.112166	9.014973	8.92296	8.80264	8.806635
NRIP2	NRIP2	7.030703	7.251321	6.853332	7.15775	7.066996	7.176098	7.094356	7.054881	7.1199	7.239924	6.88312	6.994854
NRIP3	NRIP3	9.566107	10.08393	8.216039	7.903254	7.609981	9.128031	7.654658	7.832952	8.202375	8.110094	8.537089	9.000398
NRK	NRK	7.180539	7.341797	7.117157	7.448564	7.115122	7.380075	7.143135	7.282429	7.391373	7.180465	7.048635	7.059399
NRL	NRL	6.882736	6.93256	6.82736	6.965485	6.839574	6.830208	6.871754	6.943135	6.811269	6.927549	6.810363	6.824155
NRM	NRM	7.892854	8.042628	7.897881	8.050209	7.86877	7.439954	7.552724	7.526484	7.377152	7.356559	7.372957	7.112202
NRN1	NRN1	6.915639	7.136122	6.811137	7.107289	7.009692	7.119909	6.90921	7.104748	6.954048	6.902332	6.909322	6.82447
NRP1	NRP1	7.029116	7.331184	8.074192	9.715787	9.377735	9.702215	9.391947	9.398384	9.066693	9.130348	9.34169	9.564835
NRP2	NRP2	7.343715	7.525574	7.275571	7.755471	7.251901	7.102045	7.023003	7.036419	7.022469	6.957861	6.947193	6.980139
NRTN	NRTN	7.132423	7.123338	7.037225	7.591534	7.747613	8.879594	8.594684	8.980698	8.625088	9.110759	8.952669	8.665789
NRXN1	NRXN1	7.061779	7.206685	6.858344	7.06023	7.000028	7.113979	7.04376	7.007811	7.109759	6.941885	6.837002	6.845076
NRXN2	NRXN2	7.266809	7.406683	6.929231	7.104042	7.150569	7.100494	6.950169	6.902684	7.656874	7.026834	6.79218	6.824641
NRXN3	NRXN3	6.92608	7.114929	6.940136	7.0796	6.970355	6.954976	6.886409	6.938693	7.020926	6.996956	6.828481	6.872616
NS4ATP2	NS4ATP2	8.66761	9.015468	8.978159	9.127967	9.010898	9.141646	8.89635	8.813253	9.109915	8.872003	8.839539	8.689383
NSBP1	NSBP1	9.018679	9.4497	8.27553	8.202815	8.026249	8.699414	8.252425	8.212465	8.233067	7.979121	7.362668	7.290306
NSD1	NSD1	8.012273	8.328717	7.753869	7.948073	7.583357	7.559539	7.42897	7.553975	7.380303	7.44791	7.137132	7.130879
NSDHL	NSDHL	10.34309	10.40929	10.11379	10.50341	10.32883	10.82059	10.31518	10.19838	10.37466	10.22784	9.721899	9.679929
NSF	NSF	8.989242	9.711061	9.325957	9.813462	9.654875	9.73316	9.242633	9.266447	9.233337	8.977797	9.10902	9.168205
NSFL1C	NSFL1C	9.470491	9.5359	9.282805	9.642105	9.573077	10.42621	9.820751	9.973841	9.825126	10.1177	9.783882	9.772907
NSL1	NSL1	7.144429	7.388199	6.960569	7.332114	7.133437	7.327783	7.109946	7.225701	7.097021	7.231137	7.026806	7.065177
NSMAF	NSMAF	9.839487	10.57618	9.97239	10.09518	9.894248	9.994033	9.485515	9.534538	9.633503	9.314286	9.299371	9.327135
NSMCE1	NSMCE1	8.502931	9.30884	8.332949	8.245664	8.422595	8.346189	8.24175	8.291359	8.436041	8.428026	8.412181	8.059579
NSUN2	NSUN2	11.37601	11.82059	10.9723	10.88926	10.39571	10.70312	10.04067	10.19443	10.12638	10.12074	10.3239	10.27006
NSUN3	NSUN3	7.541542	7.650793	7.554205	7.681819	7.5964	8.19935	7.871342	7.882719	7.815054	7.928969	7.78457	7.743463
NSUN4	NSUN4	8.795458	8.874064	8.28352	8.84331	8.795974	9.219465	9.002742	8.983164	8.749477	8.802894	8.518261	8.524071
NSUN5	NSUN5	8.715013	8.996136	8.160062	8.573492	8.347185	8.708652	8.326178	8.154602	8.151209	8.152569	7.842673	7.771368
NSUN5B	NSUN5B	9.138794	9.221735	8.501754	8.886732	8.705675	9.141223	8.53992	8.530671	8.339307	8.40074	8.03097	7.99985

NSUN5C	NSUN5C	7.910746	7.961964	7.383583	7.807555	7.808899	7.886856	7.630846	7.682566	7.584472	7.506225	7.200299	7.142766
NSUN6	NSUN6	7.414879	7.785184	7.321426	7.609203	7.526817	7.606454	7.390268	7.406195	7.609143	7.475499	7.235384	7.295504
NSUN7	NSUN7	8.450817	7.848644	7.318072	7.552935	7.426829	7.467078	7.122448	7.12405	7.200292	7.086812	6.809157	6.965845
NT5C	NT5C	11.11496	11.49459	10.86744	10.8002	10.82612	11.65406	11.2403	11.01022	11.10671	11.11676	10.77223	10.99989
NT5C1A	NT5C1A	6.763584	7.062947	6.685819	6.856666	6.84948	6.779219	6.836893	6.832621	6.759429	6.951503	6.738506	6.807189
NT5C1B	NT5C1B	6.798417	7.039239	6.804073	6.91917	6.853919	6.949675	6.840668	6.895759	6.853125	6.819736	6.740665	6.812317
NT5C2	NT5C2	10.08556	10.43843	10.27671	11.10891	10.73735	11.14115	11.04209	10.89088	11.07385	11.09721	10.30827	10.06338
NT5C3	NT5C3	9.526439	9.558388	9.124569	9.476673	9.387027	9.940228	9.328899	9.369616	9.443938	9.102007	9.195076	9.044482
NT5C3L	NT5C3L	9.589373	9.744947	9.313526	9.929048	9.803126	10.18507	9.534548	9.563514	9.642663	9.417794	9.234951	9.09659
NT5DC1	NT5DC1	9.062511	8.765346	8.687611	8.590812	8.286469	8.528744	8.058853	8.035064	7.884402	7.979066	7.752258	7.754688
NT5DC2	NT5DC2	10.82134	10.97101	10.5454	11.04841	10.70586	9.37468	9.35774	9.907777	9.559863	9.616988	10.53499	9.587422
NT5DC3	NT5DC3	8.547599	8.244147	8.116174	8.017532	7.771833	7.470449	7.219668	7.425217	7.480304	7.48581	7.635674	7.570659
NT5E	NT5E	7.60206	7.680876	7.453643	7.611865	7.483154	7.568969	7.460935	7.591054	7.681153	8.033103	9.51211	9.726353
NT5M	NT5M	7.381819	7.463546	7.027181	7.327901	7.229674	8.162811	7.610905	7.718335	7.516108	7.615334	7.362773	7.301168
NTAN1	NTAN1	9.202761	9.622304	9.436698	9.416094	9.023595	9.592614	9.294031	9.400026	9.399888	9.410036	9.607646	8.983812
NTE	NTE	9.778193	9.754001	8.577439	9.215747	8.957561	8.928573	8.446132	8.748633	8.653649	8.63093	9.181182	8.94587
NTF3	NTF3	7.043097	7.201447	8.213029	8.437372	7.702338	7.594365	7.016067	7.081285	7.44842	7.188783	7.328518	7.007794
NTF5	NTF5	6.891799	7.171712	6.919267	7.42506	7.600531	7.390737	7.152454	7.326361	7.235998	7.231809	6.999789	7.121878
NTHL1	NTHL1	9.917802	9.734121	8.733964	8.704111	8.614083	9.377475	8.849894	8.854051	8.720192	8.717465	8.432818	8.43556
NTN1	NTN1	6.873203	7.012773	6.736682	7.016201	6.86659	7.009742	6.898987	6.875787	6.932767	6.965612	6.755056	6.924955
NTN2L	NTN2L	6.857349	7.049	6.73689	7.036927	6.967131	7.090604	6.855683	6.824355	6.839435	6.817171	6.754887	6.813397
NTN4	NTN4	6.854909	7.057218	7.189181	7.097122	7.039924	7.348526	7.13879	7.315935	7.62498	7.533894	8.644705	7.663214
NTNG1	NTNG1	6.876929	7.37798	6.958445	7.094315	7.069033	7.161277	6.8874	7.075355	7.545507	6.922157	6.868016	6.935718
NTNG2	NTNG2	7.033553	7.302736	6.974556	7.146894	7.061069	7.11303	7.053167	7.095558	7.036417	7.092602	6.85493	7.054722
NTRK1	NTRK1	6.861557	7.080843	6.946881	7.385569	7.083199	7.249167	7.085654	7.215242	7.07637	7.077228	6.78799	6.867529
NTRK2	NTRK2	6.875852	7.030594	6.874789	7.274432	7.77874	7.170876	6.982889	7.049297	7.448705	7.024335	6.850671	6.88064
NTRK3	NTRK3	7.116232	7.333021	7.0244	7.281096	7.066462	6.948729	6.952529	6.95163	7.048523	6.93411	6.824876	6.840391
NTS	NTS	8.260101	9.310071	11.74473	9.858576	7.286707	7.500857	7.814417	7.402703	7.201674	6.906482	6.856209	6.807809
NTSR1	NTSR1	7.080536	7.334397	6.927787	7.042251	7.209915	7.01548	6.87772	6.986314	7.038063	7.071704	6.95914	7.413272
NTSR2	NTSR2	6.870498	7.076243	6.787064	7.082853	6.89916	6.979107	6.88868	6.996357	6.883961	6.957934	6.833008	6.86113
NUAK1	NUAK1	9.779712	9.570785	9.695927	11.08136	10.54174	10.19967	9.757751	10.01811	9.990393	10.11302	9.843292	9.656365
NUAK2	NUAK2	7.62929	8.039517	7.489516	8.17413	7.313164	7.644989	7.055032	7.012545	7.00304	7.099874	6.967806	6.861775
NUB1	NUB1	8.458587	8.674852	8.50808	8.864103	8.822032	9.041156	8.767499	8.934083	8.83602	8.73527	8.624155	8.70377
NUBP1	NUBP1	8.23362	8.589948	8.379144	8.635895	8.717723	9.405111	8.98308	9.123501	8.94231	9.177783	9.044173	8.775304
NUBP2	NUBP2	7.840531	7.951735	7.556426	7.893127	7.752639	7.841382	7.659138	7.96747	7.836274	7.996825	7.893005	7.69142
NUBPL	NUBPL	9.972212	10.82857	10.28295	10.71987	10.96275	11.01578	11.04922	10.62252	10.84224	10.70024	10.05456	10.73389

NUCB1	NUCB1	12.71774	12.96984	12.58721	13.10786	13.28718	13.37136	13.23104	13.34916	13.1573	13.12767	13.23247	13.3424
NUCB2	NUCB2	8.275827	8.627272	8.816873	9.263879	9.313638	9.698388	9.823394	9.871985	10.19921	10.1648	10.23702	10.0898
NUCKS1	NUCKS1	8.919495	9.695866	9.26144	8.932196	8.816404	9.07376	8.899124	8.094671	8.781329	8.449738	7.734788	8.518264
NUDC	NUDC	12.67301	12.83727	12.17711	12.31658	11.79823	12.21447	11.76318	11.69811	11.75426	11.81959	11.70003	11.71645
NUDCD1	NUDCD1	8.053489	8.231452	7.530523	7.91896	7.720286	7.715155	7.432022	7.488561	7.451072	7.526917	7.15522	7.167613
NUDCD2	NUDCD2	8.522697	8.747784	8.024924	8.009106	8.094549	8.234881	8.199212	7.895338	8.276497	8.089911	7.889925	7.883053
NUDCD3	NUDCD3	8.769457	8.962982	8.673064	8.980074	8.810548	8.973797	8.847423	8.953942	8.829009	8.900763	8.862947	8.880292
NUDT1	NUDT1	10.00144	10.43102	9.797474	9.335856	8.984154	8.883101	8.725324	8.562226	8.732369	8.672847	8.335398	7.909119
NUDT10	NUDT10	7.817921	8.180048	7.817227	7.644216	7.50097	7.311683	7.103662	7.040747	7.072558	7.070737	6.782422	6.925127
NUDT11	NUDT11	10.34491	10.31629	9.840818	10.04236	9.911571	9.585781	8.773667	8.626341	8.745985	8.041684	8.388096	8.016181
NUDT12	NUDT12	6.914474	7.133634	6.829609	7.116356	6.971949	7.107019	6.940679	7.108589	7.008271	7.121973	6.954538	6.957592
NUDT13	NUDT13	7.352397	7.596013	7.179072	7.345209	7.311463	7.49482	7.349181	7.435243	7.230024	7.44056	7.10989	7.308013
NUDT14	NUDT14	8.890797	9.212514	8.957902	9.187673	9.24241	9.385177	9.325701	9.326565	9.391786	9.372375	9.57616	9.072619
NUDT15	NUDT15	8.968276	9.699639	9.122315	8.676464	8.24224	8.35213	8.243947	7.982552	8.058123	8.046606	7.806701	7.811131
NUDT16	NUDT16	7.828589	8.090375	7.506411	7.892695	8.053424	8.752851	8.113934	8.238581	8.178425	8.374837	8.043406	8.081163
NUDT16L1	NUDT16L1	9.03046	9.622933	8.854215	9.003102	9.132105	10.1073	9.6967	9.904464	9.85116	10.02382	9.696146	9.652266
NUDT17	NUDT17	6.918911	7.127038	6.787419	7.054999	6.946376	7.174495	7.063765	7.15978	7.020561	7.035763	6.922153	6.935426
NUDT18	NUDT18	7.256068	7.313468	7.066508	7.651657	7.808527	7.657526	7.479629	7.699637	7.821026	7.803082	8.140948	8.389079
NUDT19	NUDT19	7.012698	7.262888	6.940726	7.130857	7.084309	7.223002	7.096779	7.14135	7.034285	7.015857	6.964459	7.121715
NUDT2	NUDT2	8.898919	9.312125	8.808279	9.025715	9.31445	9.728911	9.562064	9.600769	9.717299	9.842013	9.656153	9.435876
NUDT21	NUDT21	9.795346	10.26657	9.874212	10.0562	9.352867	9.577443	9.065685	8.949009	8.819644	8.783985	8.545272	8.620517
NUDT22	NUDT22	8.060633	8.226241	7.690027	7.905842	7.967083	8.629943	8.498473	8.643948	8.417883	8.82222	8.799631	8.545145
NUDT3	NUDT3	9.990726	10.40661	9.637107	9.563048	9.727352	10.39106	9.990296	10.03762	10.2108	10.14864	10.05349	9.885928
NUDT4	NUDT4	6.929794	7.201132	6.923074	7.153035	7.025783	7.111961	7.056739	7.075727	7.022076	7.105467	6.908594	7.010864
NUDT4P1	NUDT4P1	6.764315	7.045729	6.857254	7.007849	6.940398	7.061298	6.951035	7.012364	6.973403	6.991102	6.911977	6.927272
NUDT5	NUDT5	11.02145	11.83251	11.20792	11.11023	10.58033	11.47836	10.64493	10.45594	10.37374	10.19198	10.28634	9.68044
NUDT6	NUDT6	7.814956	7.926044	7.62533	7.666112	7.596788	8.260578	7.977992	8.055677	7.989452	7.995099	7.663846	7.373488
NUDT8	NUDT8	6.771616	7.140442	6.846044	7.019989	6.920432	7.051973	7.034013	6.962348	6.870072	6.971196	6.766817	6.900036
NUDT9	NUDT9	9.162468	9.444749	8.746367	8.628524	8.965321	9.921536	9.161826	9.121746	9.193322	9.150703	9.003291	9.139954
NUDT9P1	NUDT9P1	6.900794	7.020091	6.830753	6.927125	6.97454	7.310378	6.995545	7.145699	6.897462	7.228662	6.843781	7.006967
NUF2	NUF2	7.425302	7.975627	7.794025	7.739215	7.462276	7.332891	7.492006	7.352643	7.536396	7.311199	6.983453	6.955558
NUFIP1	NUFIP1	7.521022	7.644711	7.141328	7.567859	7.349525	7.826829	7.412482	7.340007	7.367898	7.381048	7.159718	7.271685
NUFIP2	NUFIP2	9.651281	10.03797	9.483251	9.583401	9.459442	10.05995	9.315443	9.122655	9.177939	9.065723	8.662513	9.166427
NULP1	NULP1	10.33991	11.09811	10.63644	11.26216	11.42848	11.69636	11.50129	11.30196	11.41975	11.37537	10.99302	11.09881
NUMA1	NUMA1	7.682524	8.208144	7.65563	8.112757	8.135549	8.345315	7.988337	7.832375	7.873051	7.83975	7.69317	7.886792
NUMB	NUMB	9.60926	10.08216	9.684911	10.13412	10.1497	10.82037	10.37619	10.2433	10.05741	10.10009	10.05302	9.943237

NUMBL	NUMBL	7.204341	7.290614	6.933574	7.261585	7.13629	7.338267	7.109183	7.167957	7.278386	7.129433	6.93208	7.061183
NUP107	NUP107	11.22112	11.71485	11.27091	11.23683	10.46153	10.74413	10.16717	10.07694	10.08058	9.999916	9.292871	9.546323
NUP133	NUP133	10.13746	10.60524	10.24405	10.51935	10.21173	10.65955	10.02516	10.15212	9.842676	9.9083	9.585055	9.467906
NUP153	NUP153	9.735174	10.05382	9.741427	9.723979	9.18642	9.147793	8.354465	8.615195	8.589221	8.408125	8.518669	8.545644
NUP155	NUP155	9.518739	9.692029	9.392272	9.301748	8.588909	8.878108	8.243579	8.336096	8.252247	8.239641	8.177516	8.212549
NUP160	NUP160	10.93048	11.33074	10.92205	10.65668	10.25634	10.1386	9.301525	9.533152	9.417506	9.356945	9.560451	9.661743
NUP188	NUP188	9.088129	9.441705	8.732197	8.924517	8.499623	8.614432	8.144551	8.397549	8.04035	8.393254	8.152427	7.855398
NUP205	NUP205	11.65666	11.97186	11.40413	11.27817	10.51233	10.18484	9.458498	9.526658	9.575333	9.34734	9.307534	9.169135
NUP210	NUP210	8.273967	8.437426	7.40303	7.839707	7.571117	7.807061	7.541001	7.666735	7.387276	7.425447	7.236025	7.266344
NUP210L	NUP210L	6.83038	6.979092	6.712844	6.936117	6.922262	6.97316	6.819647	6.830455	6.810155	6.815623	6.64588	6.813385
NUP214	NUP214	8.868106	9.383329	8.86233	9.111679	8.946324	9.138879	8.510837	8.618104	8.429047	8.530124	8.395016	8.300779
NUP35	NUP35	9.394392	9.698081	8.888029	8.646694	8.326591	9.239915	8.482348	8.574866	8.642603	8.470507	8.256482	8.155618
NUP37	NUP37	11.81256	12.27718	11.54162	11.3186	11.14434	12.20527	11.25818	11.12266	11.22512	10.93699	10.65979	10.6608
NUP43	NUP43	10.84518	11.25243	10.63911	10.81135	10.47067	10.9068	10.33314	10.00604	10.07578	10.1013	9.44786	9.668896
NUP50	NUP50	8.018703	8.353989	7.732031	7.743769	7.404511	7.527853	7.191444	7.301108	7.218563	7.266928	7.196041	7.312324
NUP54	NUP54	10.4576	11.02652	10.70763	10.18791	9.619438	9.748079	9.395811	9.248768	9.347133	9.229459	8.950549	9.091522
NUP62	NUP62	11.18758	11.31703	10.74004	10.73695	10.63888	10.58231	10.07178	10.17948	10.04532	9.961877	9.729951	9.414744
NUP85	NUP85	10.58403	10.75945	10.60505	10.39792	9.94335	10.20317	9.703492	9.874067	9.758465	9.767247	9.643987	9.424444
NUP88	NUP88	11.41584	11.83465	11.22602	10.97001	10.72989	11.18084	10.39998	10.44176	10.41858	10.42979	10.31158	10.00561
NUP93	NUP93	10.88387	10.88096	10.50506	10.72536	10.1517	11.08475	10.36007	10.54954	10.10222	10.20714	10.12653	9.729792
NUP98	NUP98	7.216949	7.594085	7.279932	7.692319	7.335683	7.831479	7.390822	7.501122	7.361391	7.482914	7.280284	7.338303
NUPL1	NUPL1	7.236583	7.41174	7.106265	7.366871	7.213068	7.572054	7.252818	7.194604	7.248364	7.267165	7.074076	7.339993
NUPL2	NUPL2	9.700915	10.08032	9.667983	10.01053	9.697192	10.2455	9.69304	9.780291	9.701712	9.705645	9.3439	9.260283
NUPR1	NUPR1	6.995121	7.265213	6.75235	7.144854	7.108785	7.361763	7.452544	7.613474	8.533763	7.948502	8.671469	9.151219
NUS1	NUS1	7.523284	7.542696	7.224047	7.462448	7.306292	7.245018	7.275241	7.111474	7.115833	7.137636	6.977865	7.035372
NUSAP1	NUSAP1	11.25235	11.49982	11.30409	11.30806	10.91699	10.90355	10.37944	10.23647	10.2894	10.04803	8.997889	8.197497
NUT	NUT	7.238535	7.523005	6.86493	6.995572	6.985064	6.993433	6.946065	6.921927	6.961182	6.969072	6.806434	6.862201
NUTF2	NUTF2	8.595308	8.914524	8.473885	8.768451	8.244425	8.094168	8.173299	7.994461	8.293677	8.344819	8.02177	7.930225
NVL	NVL	8.349813	8.942784	8.36557	8.754533	8.239772	8.574191	8.167115	8.129209	8.047408	8.18024	7.642425	7.754912
NXF1	NXF1	9.83057	9.998605	9.676435	10.30883	10.1438	10.96591	10.21696	10.28475	9.928175	9.908159	9.829544	9.717477
NXF2	NXF2	6.935391	7.029914	6.757962	7.014481	6.939	7.014769	6.906621	6.961467	6.854183	6.902932	6.75039	6.85023
NXF3	NXF3	6.785012	7.055992	6.782204	7.044891	6.94368	7.022012	6.892765	6.953054	6.884925	6.898355	6.761793	6.811717
NXF4	NXF4	6.949166	7.141452	6.84623	7.088181	6.951409	7.082792	6.889465	6.990709	7.004869	6.954574	6.85778	6.848384
NXF5	NXF5	6.903802	7.086244	6.836381	6.999963	7.080147	6.923469	6.881679	6.985442	6.928645	6.914286	6.778145	6.944121
NXN	NXN	9.402198	9.722015	9.393034	10.19408	10.01495	10.21774	9.669594	9.42765	9.158774	9.156275	8.548142	8.314958
NXPH1	NXPH1	7.209116	7.302592	6.895389	7.315452	7.3205	7.367498	7.041627	7.048053	7.000684	7.102962	6.885046	7.027912

NXPH2	NXPH2	7.208465	7.335863	7.325827	8.575581	8.32039	8.444474	7.686845	7.664867	7.493007	7.32554	6.970941	6.920532
NXPH3	NXPH3	6.924829	7.122818	6.95174	7.064656	7.001175	7.086115	6.96912	7.041341	6.99665	7.131541	6.888912	6.853466
NXPH4	NXPH4	6.875388	7.04589	6.829239	7.053523	6.904229	6.912478	6.882585	6.921594	6.91155	6.98094	6.94412	6.972197
NXT1	NXT1	10.07655	10.61152	10.41959	10.60794	10.50522	10.41208	9.892411	9.83575	9.978198	9.800871	9.724815	9.249645
NXT2	NXT2	8.347567	8.885617	8.269545	8.39123	7.927005	7.440055	7.400696	7.126538	7.56205	7.122239	7.199046	7.271794
NYD-SP11	NYD-SP11	7.000451	7.212607	6.907704	7.195012	7.146976	7.015592	6.977309	6.985039	6.941715	7.073062	6.838328	7.003793
NYD-SP14	NYD-SP14	6.924871	7.017536	7.876599	7.44563	7.986224	6.85427	6.877855	6.947443	6.760898	6.847449	6.734955	6.842354
NYD-SP18	NYD-SP18	8.06327	9.943416	7.104593	7.09519	6.909707	6.953523	6.939826	7.048451	6.955036	7.034334	6.757649	6.982347
NYD-SP21	NYD-SP21	6.852726	7.078866	6.790158	6.980489	6.830619	6.910737	6.851001	6.947975	6.886102	6.852667	6.731603	6.778682
NYD-SP26	NYD-SP26	6.929691	7.046153	6.82845	7.056121	6.930409	6.934947	7.031752	6.950587	6.819583	6.961404	6.770745	6.851004
NY-REN-7	NY-REN-7	6.984383	7.228284	6.867011	7.170801	7.002425	7.160467	7.010711	6.976476	6.990586	7.064248	6.91664	6.984821
NY-SAR-48	NY-SAR-48	8.00002	8.357508	8.045557	8.199109	7.8223	8.07482	7.798496	7.798756	7.647343	7.756445	7.40102	7.419377
NYX	NYX	6.970361	7.10892	6.809174	7.006015	6.981333	6.895736	7.001264	6.942463	6.911299	6.979381	6.888988	6.875962
OACT1	OACT1	8.286446	8.854028	7.93767	7.982577	7.764743	7.968767	8.242943	8.320575	8.173275	8.172175	7.496604	7.742667
OACT2	OACT2	7.265233	7.575538	7.269836	7.736426	7.617642	7.99377	7.833808	7.86642	7.731561	7.936602	7.686065	7.856763
OACT5	OACT5	8.741847	9.035625	8.309588	8.393044	8.147226	8.541427	8.220153	8.341958	8.116094	8.264407	8.511424	8.353825
OAF	OAF	7.285637	7.28515	7.929142	9.746006	9.174671	8.614599	8.049669	8.171372	8.44265	8.066181	8.672449	8.0989
OAS1	OAS1	6.893786	7.184985	7.046061	7.079758	7.053596	7.077326	6.95618	6.951952	6.941715	6.991733	6.815132	6.945536
OAS2	OAS2	6.816725	7.015885	6.833709	7.012649	6.867583	6.886157	6.840495	6.92032	6.827036	6.841191	6.75212	6.807373
OAS3	OAS3	6.886252	7.182664	6.785944	7.033959	6.906397	7.005773	6.867092	6.925419	6.893682	6.961818	6.788117	6.788668
OASL	OASL	6.870754	7.02094	6.810375	6.973964	6.939655	6.928437	6.857052	6.930825	6.897539	6.925956	6.783583	6.843629
OAT	OAT	10.86058	10.73285	10.7339	10.14717	10.12138	9.856191	9.308963	9.675141	9.704687	9.365567	10.34997	9.864973
OATL1	OATL1	6.987274	7.350084	6.914145	7.255473	7.218635	7.465643	7.314915	7.379882	7.238114	7.342552	7.204171	7.125882
OAZ1	OAZ1	14.71342	15.03439	14.45621	14.44742	14.2798	14.68995	14.46785	14.58374	14.61146	14.66739	14.61387	14.42504
OAZ3	OAZ3	7.37784	7.630239	7.212961	7.468394	7.416372	7.413433	7.478965	7.264808	7.460574	7.41746	7.226556	7.334682
OBFC1	OBFC1	8.709606	8.764422	8.506895	8.556582	8.93662	9.769221	9.579887	9.632585	9.606122	9.912022	10.04545	9.958035
OBFC2A	OBFC2A	7.511971	8.341367	7.677272	8.333758	7.94213	8.166083	7.719348	7.779297	7.795374	7.783666	8.269481	8.037535
OBFC2B	OBFC2B	9.042658	9.181864	8.30825	8.264514	8.134379	8.622941	8.392558	8.355579	8.334274	8.560171	8.757864	8.512679
OBP2A	OBP2A	6.840206	7.101173	7.000465	7.086576	7.002295	7.034275	6.905719	6.964908	6.941175	7.001769	6.744439	6.934466
OBP2B	OBP2B	6.862109	7.002919	6.69671	6.997096	6.934997	6.820942	6.782189	6.933168	6.778368	6.816451	6.661181	6.758103
OBSCN	OBSCN	7.227008	7.331997	7.353476	7.725309	7.775595	7.837096	7.856001	7.790259	7.618916	7.821341	7.26541	7.393883
OBSL1	OBSL1	7.055194	7.138881	6.940802	7.063864	7.187304	7.7553	7.761223	7.676707	7.54883	7.589602	7.216019	7.440131
OC90	OC90	6.827687	6.958033	6.817918	6.991277	6.892014	6.921741	6.733539	6.836046	6.819925	6.885297	6.739053	6.801753
OCA2	OCA2	6.736954	7.024374	6.734272	7.041968	6.934266	6.889485	6.80214	6.904012	6.916864	6.89613	6.739577	6.865406
OCIAD1	OCIAD1	11.6024	12.24346	11.73971	12.12084	12.18207	12.37786	12.26173	12.00615	12.14399	11.90081	11.59719	11.82451
OCIAD2	OCIAD2	11.1399	11.9686	10.69296	10.05584	9.616162	10.38896	9.976549	10.11828	10.21337	10.20297	10.59336	9.73911

OCLM	OCLM	6.978888	7.196486	6.970063	7.152399	7.122433	7.006529	6.913505	6.960263	6.978897	7.04524	6.852988	6.913901
OCLN	OCLN	6.882412	7.143802	6.826836	7.063824	6.941474	6.982964	6.892365	6.945641	6.873082	6.926955	6.877317	6.735136
OCM	OCM	6.875187	7.219271	6.805971	6.91971	6.841921	6.913887	6.923923	6.91578	6.832382	6.838015	6.788335	6.876537
OCRL	OCRL	8.530326	8.80688	8.527467	9.500826	9.448695	9.616448	9.109619	9.278578	9.008191	9.090479	9.381678	9.152635
ODC1	ODC1	11.56232	12.76701	12.47037	13.0442	12.73427	12.64458	11.31733	11.41971	11.58169	11.18732	11.41449	11.34243
ODF1	ODF1	6.79005	7.067895	6.734162	7.030793	6.879639	6.845128	6.933314	6.955481	6.917972	6.896868	6.775747	6.807301
ODF2	ODF2	7.560749	7.624784	7.878953	8.342574	8.127995	8.009014	7.808879	8.00017	7.915171	7.81814	7.809398	7.528887
ODF2L	ODF2L	7.468846	7.710311	7.646878	7.895251	7.693569	7.888284	7.782114	7.794822	7.667611	7.614009	7.32057	7.362483
ODF3L1	ODF3L1	6.892882	7.088529	6.851927	7.017815	6.973356	7.102525	7.028309	6.963941	6.932394	6.900543	6.841034	6.958831
ODF4	ODF4	6.929669	7.186477	6.989915	7.02588	7.024394	7.132415	6.999745	7.082963	6.900946	7.127214	6.772377	7.032161
ODZ1	ODZ1	6.881689	6.934883	6.822156	6.941531	6.850661	6.907785	6.780492	6.859248	6.819994	6.795219	6.683885	6.759884
ODZ2	ODZ2	6.928921	7.167582	6.859219	7.178606	7.134486	7.096075	6.921931	6.975539	7.025387	7.036625	6.891119	6.799396
ODZ3	ODZ3	11.09659	11.03269	10.35964	11.29708	10.87212	11.33386	10.34062	10.09668	10.05754	8.727958	8.748249	9.461069
OFCC1	OFCC1	7.018592	7.031074	6.812029	6.96839	6.96985	6.907121	6.9816	6.843838	6.85527	6.98857	6.857994	6.821942
OFD1	OFD1	8.116005	8.568031	8.017302	8.132511	8.096771	8.168579	7.940815	8.063257	7.912928	8.031301	7.814961	7.762261
OGDH	OGDH	7.503714	7.674529	7.113446	7.591899	7.551347	8.422209	7.986164	8.091119	7.974112	8.224664	8.299786	8.263333
OGDHL	OGDHL	8.254155	8.219424	7.218119	7.567366	8.05127	8.806824	8.377168	8.265223	7.984448	8.118828	7.794194	7.666813
OGFOD1	OGFOD1	9.052863	9.429488	8.748487	8.826734	8.58665	8.977744	8.528855	8.730093	8.53613	8.642173	8.928546	8.478214
OGFOD2	OGFOD2	7.038565	7.365941	6.895043	7.092326	6.96383	7.275287	6.975048	7.133172	7.023607	7.040988	6.994707	7.054366
OGFR	OGFR	7.844574	7.943523	7.433065	8.218297	8.093217	8.115728	7.862706	7.92895	7.947013	8.017961	8.541557	8.489634
OGFRL1	OGFRL1	7.319076	7.66666	7.745534	7.514123	8.103717	7.296211	7.020499	7.207139	7.09863	7.130623	7.069733	7.043907
OGG1	OGG1	7.894716	8.294407	7.740018	7.753847	7.71944	8.162068	7.74381	7.904992	7.858813	7.855879	7.720792	7.420082
OGN	OGN	6.842243	7.002801	6.805133	7.155995	7.028575	6.918244	6.794798	7.063392	8.137245	7.50271	7.747998	7.446304
OGT	OGT	10.16193	10.50822	10.28429	10.71075	10.30421	10.35052	10.02922	9.925612	10.04005	9.585094	9.042284	9.52125
OIP5	OIP5	10.81071	11.26266	10.44047	9.779937	9.347642	9.191502	8.755312	8.749834	8.740079	8.731368	8.037367	7.409391
OIT3	OIT3	6.813547	7.070805	6.888142	7.308617	7.239771	7.281636	7.106641	7.107284	7.129219	7.048964	6.915717	6.967012
OLFM1	OLFM1	9.812688	9.634405	9.62133	8.157118	7.467305	7.645912	7.542329	7.546767	9.504202	7.650304	7.366884	7.6251
OLFM2	OLFM2	7.340388	7.491376	6.966967	7.115673	7.107957	7.25417	6.961378	7.000047	6.996186	6.929058	6.934187	6.96654
OLFM3	OLFM3	6.744173	6.958542	6.788846	6.976895	6.85262	6.892038	6.766961	6.844676	6.777698	6.826526	6.662594	6.745637
OLFM4	OLFM4	6.869719	7.038693	6.863711	7.031404	6.887709	6.928194	6.907532	6.905029	6.967095	6.945442	6.697716	6.848609
OLFML1	OLFML1	6.872385	7.040087	6.855083	8.018481	8.256587	7.035331	6.801598	7.019272	7.624798	6.954289	6.832135	6.82194
OLFML2A	OLFML2A	8.168311	8.914455	8.938976	8.554722	8.131466	7.927316	8.441187	8.895996	9.088784	9.455726	9.589767	9.689426
OLFML2B	OLFML2B	7.304956	7.284907	6.952297	7.318047	7.127891	7.098711	7.041294	7.019841	7.303503	7.075753	6.890652	7.079148
OLFML3	OLFML3	8.757736	10.04295	8.163462	9.05611	9.517175	7.854897	7.657212	7.898797	8.246606	7.475673	7.56783	7.520252
OLIG1	OLIG1	6.845801	6.901665	6.771823	6.971725	6.866533	6.938086	6.917668	6.925194	6.918776	7.050896	6.776321	6.724686
OLIG2	OLIG2	6.828143	7.015426	6.91071	7.0539	6.980502	6.90946	6.834548	6.970518	6.914396	6.923045	6.78164	6.777403

OLIG3	OLIG3	6.996988	8.365577	6.852035	7.024397	6.951459	7.069625	6.844342	6.955424	6.97595	6.943619	6.713256	6.934524
OLR1	OLR1	6.915365	7.111456	6.906375	7.543139	8.731673	7.28943	7.000759	7.283278	7.611709	7.282301	7.604989	7.144523
OMA1	OMA1	8.106077	8.785812	8.072296	7.961379	8.185609	9.126791	8.47395	8.566016	8.545969	8.534882	8.28075	8.43735
OMD	OMD	6.945936	7.245294	7.033751	7.197994	7.073486	7.061196	6.99262	7.065641	7.008276	7.058236	7.025871	7.072593
OMG	OMG	6.803524	6.889576	6.811142	6.959637	6.782335	6.939074	6.88182	6.789326	6.800607	6.785861	6.661811	6.818652
OMP	OMP	6.756997	6.954744	6.74714	6.846238	6.904725	6.900402	6.757105	6.862823	6.754117	6.87892	6.734694	6.8133
ONECUT1	ONECUT1	6.989203	7.141105	6.904481	7.017271	6.990141	7.065455	6.919012	6.974941	6.898957	6.935612	6.844693	6.906912
ONECUT2	ONECUT2	7.025072	7.118497	6.897958	7.100521	6.977069	7.050657	6.88586	6.931649	6.97823	6.951212	6.816694	6.853705
ONECUT3	ONECUT3	6.760797	7.043699	6.714751	6.96181	6.853473	6.817848	6.712931	6.795267	6.794677	6.87937	6.743347	6.772015
OPA1	OPA1	8.684587	8.769958	8.421297	8.578064	8.487167	9.32763	8.651244	8.877655	8.484472	8.635678	8.688699	8.726039
OPA3	OPA3	7.679691	7.891791	7.324287	7.74725	7.83083	8.390876	7.986181	7.856803	7.958785	7.918525	7.531315	7.84667
OPCML	OPCML	7.13564	7.356396	7.042514	7.348324	7.300438	7.423943	7.193665	7.288631	7.632829	7.481504	7.235247	7.351457
OPHN1	OPHN1	6.871622	7.131475	6.83722	7.00259	6.961086	7.235638	7.100966	7.081644	7.047423	7.102514	7.173764	6.988356
OPLAH	OPLAH	8.228045	8.258654	7.651355	7.936901	7.78135	8.031068	7.97186	7.889805	7.812307	7.951143	7.461764	7.66779
OPN1LW	OPN1LW	6.828406	7.044114	6.871948	6.963182	6.923418	6.931996	6.926865	6.916234	6.785433	6.888835	6.76767	6.839153
OPN1MW	OPN1MW	6.868247	7.006393	6.835049	6.982515	6.92034	6.86168	6.783359	6.958136	6.794766	6.928802	6.751786	6.858422
OPN1SW	OPN1SW	6.907389	7.110371	6.865571	7.090214	6.960439	7.079073	6.972485	7.03047	6.790779	7.021903	6.819152	6.9269
OPN3	OPN3	7.594298	7.40109	7.462262	7.611032	7.587608	7.920644	7.364705	7.423541	7.321213	7.424307	7.394321	7.245449
OPN4	OPN4	6.763815	6.994099	6.788048	6.98949	6.911875	6.927515	6.863071	6.967032	6.808282	6.909119	6.803483	6.74021
OPN5	OPN5	6.92622	7.068855	6.868218	7.088725	6.932152	7.027656	6.89157	6.933688	6.920091	6.963835	6.771434	6.944894
OPRD1	OPRD1	7.019952	7.268074	6.979092	7.232027	7.172341	7.303692	7.040669	7.170126	7.172691	7.168811	6.941857	7.012887
OPRK1	OPRK1	7.127297	7.359675	7.099968	7.223818	7.164204	7.114335	7.064459	7.000268	7.0498	7.235277	6.824064	7.064109
OPRL1	OPRL1	7.021347	7.22818	7.008517	7.28623	7.270733	7.282263	7.122729	7.137527	7.171294	7.038641	6.837866	6.883831
OPRM1	OPRM1	6.937469	7.115761	6.830886	7.086158	6.993874	7.00211	6.934541	6.987756	6.982343	6.973754	6.831076	6.914399
OPRS1	OPRS1	8.252108	8.396022	7.735071	7.987447	7.978902	8.195501	7.996272	8.150544	7.963303	8.104869	8.314504	7.824905
OPTC	OPTC	6.975377	7.201993	6.828898	7.047811	6.973992	6.926202	6.870967	7.011687	7.031689	6.982041	6.894724	6.8889
OPTN	OPTN	7.888913	7.904185	7.726377	8.327552	8.845133	9.559989	9.459388	9.772553	9.512336	10.04107	10.47951	10.21657
OR10A2	OR10A2	6.966857	6.917988	6.787787	6.982027	6.859596	6.938486	6.708921	6.914931	6.780555	6.896334	6.729958	6.757715
OR10A3	OR10A3	6.778911	7.080469	6.867652	6.949218	6.785538	6.880087	6.880384	6.850904	6.950352	6.906122	6.717543	6.767093
OR10A4	OR10A4	6.820307	6.903732	6.594914	6.916695	6.855793	6.967789	6.813017	6.913136	6.804253	6.882945	6.673088	6.725026
OR10A5	OR10A5	6.667344	7.0205	6.6764	7.071868	6.827018	6.799171	6.928877	6.815764	6.763951	6.823467	6.674796	6.710012
OR10A6	OR10A6	6.856981	7.116862	6.856094	7.052797	7.04797	6.997798	6.85047	6.963095	6.970365	6.936407	6.889702	6.911106
OR10A7	OR10A7	6.885973	7.07072	6.868409	6.976957	6.927964	7.053579	6.941497	6.97547	6.882833	7.073947	6.748595	6.862487
OR10AD1	OR10AD1	6.966257	7.098443	6.80215	7.007224	6.905049	6.968041	6.87282	6.919544	6.829847	6.921463	6.764368	6.7886
OR10AG1	OR10AG1	6.969877	6.915822	6.725165	7.025816	7.009447	6.938	6.77431	6.855588	6.817317	6.939735	6.755009	6.831353
OR10C1	OR10C1	6.870928	6.930011	6.724288	6.925178	6.952664	6.951448	6.843908	6.929439	6.901519	6.833172	6.697564	6.811547

OR10G2	OR10G2	6.927776	7.038106	6.747917	7.080388	6.961498	6.988032	6.900745	6.947745	6.971317	6.813196	6.889531	6.782851
OR10G3	OR10G3	6.845015	7.046538	6.878654	6.956676	6.83095	6.964402	6.88753	6.919295	6.877389	6.999963	6.826798	6.82885
OR10G4	OR10G4	6.845077	7.085471	6.777188	6.903034	6.873923	6.958771	6.848952	6.91942	6.948209	6.919365	6.710069	6.724857
OR10G7	OR10G7	6.8064	7.099112	6.852012	7.069691	6.948835	6.923399	7.006479	6.906827	6.845868	6.994915	6.86748	6.80254
OR10G8	OR10G8	6.900076	7.006659	6.740082	6.933991	6.889403	6.944353	6.740109	6.959739	6.845305	6.923466	6.737846	6.802954
OR10G9	OR10G9	6.957176	6.917441	6.774143	6.943812	6.870674	6.807647	6.773334	6.817895	6.887728	6.859438	6.73784	6.753598
OR10H1	OR10H1	6.720289	6.903378	6.719817	6.884361	6.8823	6.844728	6.7321	6.822424	6.6669	6.884395	6.653056	6.781172
OR10H2	OR10H2	6.820116	6.971913	6.841798	6.983082	6.944029	6.898855	6.913137	7.026701	7.022727	6.951231	6.882044	6.815741
OR10H3	OR10H3	6.89193	6.913241	6.838758	6.973436	6.886093	6.843939	6.797541	6.880794	6.876094	6.894245	6.741276	6.814156
OR10H4	OR10H4	6.906268	7.135583	6.805137	6.983733	6.960793	6.957381	6.9028	6.844461	6.869672	6.959012	6.737138	6.788306
OR10H5	OR10H5	6.846902	7.086559	6.765132	7.051301	6.8894	6.942263	6.896033	6.889273	6.840851	6.929918	6.828421	6.860724
OR10J1	OR10J1	7.003407	7.135411	6.844461	7.157948	6.975388	7.091273	7.001597	7.016965	7.008929	7.074851	6.930683	6.998368
OR10J3	OR10J3	6.832673	7.003304	6.865974	6.886488	6.918298	6.908431	6.76199	6.951562	6.833573	6.806876	6.719792	6.772512
OR10J5	OR10J5	6.891444	7.039424	6.848088	6.996928	7.019692	6.986483	6.861607	6.86491	6.863844	6.832194	6.706048	6.80182
OR10K1	OR10K1	6.860071	7.067277	6.75303	6.965529	6.939297	7.01095	6.841183	6.845631	6.808105	6.862233	6.781219	6.693515
OR10K2	OR10K2	6.801835	6.876325	6.737682	7.045167	6.939508	6.855582	6.886602	6.841834	6.806557	6.760988	6.714772	6.804854
OR10P1	OR10P1	6.837596	6.965055	6.851272	7.080471	6.873722	6.925013	6.919018	6.919582	6.810101	6.827612	6.687445	6.949268
OR10Q1	OR10Q1	6.880939	6.953694	6.878356	7.02235	6.879451	6.942037	6.857013	6.917567	6.878871	6.976756	6.765324	6.82527
OR10R2	OR10R2	6.829708	6.899843	6.761229	6.996687	6.845046	6.886792	6.895484	6.858133	6.947201	6.809764	6.744291	6.974445
OR10S1	OR10S1	6.892231	6.990512	6.813868	7.027624	6.937567	7.161233	6.866501	6.919616	6.770382	6.925852	6.826232	6.809069
OR10T2	OR10T2	6.787303	7.071959	6.798586	7.042071	6.854839	6.991284	6.849017	6.993658	6.896	6.878601	6.762832	6.84455
OR10V1	OR10V1	6.92715	7.051985	6.838855	6.984273	6.973051	7.026804	6.772912	6.931072	6.791752	6.923659	6.791906	6.798061
OR10W1	OR10W1	6.94777	7.073431	6.778849	7.016557	6.882885	6.984746	6.911438	6.934235	6.937231	6.946596	6.81183	6.791989
OR10X1	OR10X1	6.72184	6.987477	6.695889	6.901254	6.843252	6.910221	6.753589	6.918994	6.713504	6.762564	6.796902	6.872741
OR10Z1	OR10Z1	6.727015	6.959853	6.787602	6.922215	6.866993	7.035305	7.000629	6.968379	6.812391	6.88404	6.735987	6.781217
OR11A1	OR11A1	6.909058	6.988634	6.830335	6.979156	6.929329	7.026488	7.004543	6.952828	6.877123	6.958359	6.802644	6.869876
OR11G2	OR11G2	6.8846	7.152467	7.016492	7.115267	7.029638	7.01261	7.002188	7.004151	6.872357	6.955303	6.890729	6.843717
OR11H1	OR11H1	6.945758	7.11164	6.794102	7.011348	6.971297	6.986404	6.826055	6.896386	6.896754	7.020835	6.864328	6.863476
OR11H12	OR11H12	6.894185	7.164517	6.871358	7.029197	6.941729	7.135505	6.993316	7.053544	7.036172	7.02044	6.787751	6.91346
OR11H4	OR11H4	7.009243	7.117155	6.867609	7.053602	7.0393	7.160234	7.101993	7.037496	6.923695	7.086995	6.839137	6.847985
OR11H6	OR11H6	6.836464	7.01313	6.863964	7.028485	6.980317	6.987121	6.915647	6.848325	6.871299	6.854498	6.717245	6.856107
OR11L1	OR11L1	7.356214	7.49635	7.13603	7.425171	7.35994	7.350724	7.427196	7.424542	7.359754	7.403504	7.251203	7.25249
OR12D2	OR12D2	6.816129	7.189096	6.758187	6.998716	6.915363	7.023462	6.846251	6.90366	6.893979	6.944651	6.8644	6.867157
OR12D3	OR12D3	6.853528	7.026958	6.796658	7.057883	6.828213	6.948958	6.84879	6.924694	6.873818	6.924801	6.722858	6.799811
OR13A1	OR13A1	6.947705	7.074143	6.883814	7.086928	6.994913	6.945354	6.952241	6.92218	6.970749	7.050952	6.797276	6.90133
OR13C2	OR13C2	6.680826	6.990627	6.797584	7.018253	7.00326	6.978748	6.866786	6.954879	6.895178	6.869786	6.748105	6.805809

OR13C3	OR13C3	7.004138	7.042475	6.817609	7.006348	6.932829	6.934548	6.984174	6.913962	6.899986	6.940237	6.817651	6.809686
OR13C4	OR13C4	6.846892	7.0844	6.723735	6.955177	6.935373	6.869082	6.837863	7.023674	6.924643	6.921963	6.72627	6.850215
OR13C5	OR13C5	6.933196	6.972046	6.727284	6.97147	6.830314	6.850557	6.826069	6.861007	6.878697	6.826343	6.705898	6.818502
OR13C8	OR13C8	6.736576	7.037275	6.729295	6.920807	6.844156	6.828888	6.758206	6.914823	6.733826	6.815205	6.693582	6.758644
OR13C9	OR13C9	6.908768	7.170283	6.848095	6.998308	7.013788	7.105369	6.98749	6.99741	6.940333	7.04955	6.770804	6.859916
OR13D1	OR13D1	6.780494	6.855278	6.723447	6.815673	6.966053	6.917643	6.864049	6.99407	6.771231	6.869707	6.714691	6.711582
OR13F1	OR13F1	6.729342	6.929167	6.655646	6.872808	6.781445	6.799842	6.823159	6.996142	6.773128	6.822338	6.709205	6.853427
OR13G1	OR13G1	6.938524	7.099922	6.828829	6.978738	6.835842	6.885342	6.899964	6.91922	6.849532	7.055886	6.957656	6.802931
OR13H1	OR13H1	6.897307	6.920791	6.85131	6.996554	6.997414	6.994751	6.762249	6.854431	6.981005	6.959448	6.852632	6.795247
OR13J1	OR13J1	6.815688	6.926509	6.740804	6.968495	6.798133	6.949539	6.893352	6.905008	6.888559	6.819623	6.777107	6.821352
OR1A1	OR1A1	6.745944	6.990029	6.726689	6.971585	6.834655	6.946673	6.908876	6.859979	6.95062	6.924461	6.787794	6.859479
OR1A2	OR1A2	6.929235	7.045172	6.741207	6.997914	6.844219	7.084817	6.848051	6.952244	6.820042	6.915817	6.78961	7.066419
OR1B1	OR1B1	6.844299	7.040408	6.845304	7.030086	6.930507	6.913806	6.923073	7.04386	6.868665	6.893594	6.656682	6.848103
OR1C1	OR1C1	6.853278	7.056652	6.767111	7.141467	6.977668	6.935874	6.778557	6.90225	6.879108	7.03842	6.799778	6.834683
OR1D2	OR1D2	7.025423	7.062732	6.922255	7.072667	7.03716	7.092003	6.90311	7.003333	7.007461	7.083466	6.832577	6.88364
OR1D4	OR1D4	6.85709	7.159012	6.859259	7.100735	7.019765	7.063531	6.846515	6.939361	6.954233	7.014698	6.882247	6.913965
OR1D5	OR1D5	6.730973	7.056137	6.879815	7.110024	7.003881	6.954619	6.806657	6.958573	6.853935	6.975116	6.849433	6.854105
OR1E1	OR1E1	6.849245	7.076421	6.812631	7.071112	6.966463	7.023293	6.934187	7.025267	6.862622	7.012264	6.969819	6.833159
OR1E2	OR1E2	6.870455	7.068585	6.832461	7.073474	6.939374	7.03812	6.907938	6.862772	6.984742	7.014136	6.768228	6.866127
OR1F1	OR1F1	6.838479	6.999277	6.873166	7.198271	6.956449	7.131647	6.928518	7.012539	6.901167	6.912404	6.653093	6.938784
OR1F2	OR1F2	6.914874	7.062734	6.777014	7.040588	6.877263	6.956413	6.872542	6.980818	6.948195	6.949965	6.883444	6.783286
OR1G1	OR1G1	6.951152	7.184206	6.964964	6.994268	6.921913	7.12022	6.873885	7.078335	6.941816	6.901095	6.824366	6.913943
OR1I1	OR1I1	6.863755	7.145239	6.767529	7.031384	6.973597	6.945931	6.894171	6.982316	6.947727	6.943324	6.847979	6.815822
OR1J1	OR1J1	7.027321	7.196416	7.018788	7.261359	7.077298	7.03742	7.048124	7.081727	6.982819	7.089355	6.956578	7.003178
OR1J2	OR1J2	6.956339	7.103629	6.826409	7.110722	7.033944	7.087786	7.0004	7.098425	7.035536	7.050637	6.936142	6.925124
OR1J4	OR1J4	6.895733	7.102609	6.823861	7.105984	6.901328	7.091809	6.950619	6.902954	6.903081	6.964724	6.808398	6.989673
OR1K1	OR1K1	6.858636	7.121506	6.854534	7.139876	6.902933	7.141015	6.881248	7.034646	6.97668	7.199989	6.688771	6.875294
OR1L1	OR1L1	6.902814	6.917995	6.784495	6.9788	6.937944	7.009133	6.827112	6.807583	6.901698	6.908756	6.69245	6.806156
OR1L3	OR1L3	6.838097	6.922524	6.782473	6.917271	6.881569	6.96349	6.748252	6.838075	6.975386	6.860205	6.695534	6.853131
OR1L4	OR1L4	6.965129	7.207965	6.81882	7.186485	7.015373	7.085631	6.928013	7.015624	6.954628	7.027029	6.847134	6.91519
OR1L6	OR1L6	6.913397	7.055722	6.857412	6.909565	6.931654	7.01389	6.83017	6.926617	6.924814	6.865917	6.767648	6.79265
OR1L8	OR1L8	7.011667	7.250532	6.925085	7.185181	7.088226	7.211308	7.01888	7.078597	7.073565	7.141117	7.014643	7.005852
OR1M1	OR1M1	6.910624	7.06474	6.706292	6.92688	6.844913	6.852306	6.85619	6.86351	6.847635	6.89948	6.577503	6.769827
OR1N1	OR1N1	6.871158	7.138324	6.869631	7.074815	6.97599	7.059572	7.029882	6.96748	6.928497	7.066587	6.890642	6.943329
OR1N2	OR1N2	6.93116	7.087061	6.91358	6.995585	7.059871	7.117188	6.95336	7.032786	7.002648	7.019823	6.791821	6.978165
OR1Q1	OR1Q1	6.82395	6.96069	6.706494	6.958169	6.838116	6.885808	6.85187	6.827853	6.773646	6.943949	6.811414	6.804163

OR1S1	OR1S1	6.885949	7.010132	6.746885	6.985748	6.919571	7.024737	6.861189	6.845682	6.85032	6.936381	6.751422	6.805661
OR1S2	OR1S2	6.876591	7.108051	6.752694	6.989424	6.952507	7.029797	6.826523	6.936457	6.906934	6.973968	6.793045	6.789645
OR2A1	OR2A1	7.1739	7.222106	6.989739	7.178295	7.075516	7.058904	6.939735	6.946081	7.006397	7.026344	6.819493	6.906061
OR2A12	OR2A12	6.795512	6.932324	6.762816	7.067283	6.786103	6.934516	6.83263	6.937948	6.768107	6.951116	6.68138	6.817257
OR2A14	OR2A14	7.08949	7.157086	6.831264	7.004507	6.942271	7.034073	6.956276	7.012351	6.997783	7.186261	6.807431	6.961257
OR2A2	OR2A2	6.856011	7.106632	6.869233	6.98679	6.936492	6.996701	6.865382	6.938396	6.841738	6.901251	6.796474	6.762219
OR2A20P	OR2A20P	7.159409	7.178178	6.99202	7.066881	7.005181	7.102247	7.032327	7.042222	7.002778	7.000754	6.872582	6.955388
OR2A25	OR2A25	6.872525	7.125048	6.912435	7.106343	6.977116	7.058863	6.96522	7.011805	7.044641	6.986576	6.881358	6.913236
OR2A42	OR2A42	7.035681	7.20247	7.007702	7.12641	7.03744	7.06383	7.078358	7.082871	7.02198	7.050628	6.869509	6.982868
OR2A5	OR2A5	7.195252	7.641873	7.305417	7.408195	7.361054	7.44541	7.352128	7.329289	7.245283	7.433154	7.250163	7.366637
OR2A7	OR2A7	6.898424	6.958507	6.777279	7.027698	6.871446	6.928648	6.781875	6.857812	6.799858	6.874023	6.745221	6.854674
OR2A9P	OR2A9P	7.639904	7.461815	7.272916	7.28376	7.12122	6.9805	6.861967	7.038597	7.018845	6.965987	6.804473	6.842127
OR2AE1	OR2AE1	6.919694	7.017045	6.765594	7.120199	6.902346	6.878506	6.846666	6.882012	6.943622	6.993777	6.793257	6.822623
OR2AG1	OR2AG1	6.989859	6.953783	6.789666	7.135265	6.855387	6.976635	6.890345	7.038578	6.943909	7.113109	6.810312	6.820297
OR2AG2	OR2AG2	6.971983	7.181528	6.875675	7.096207	7.044343	6.996184	6.787386	7.010625	7.009382	6.938443	6.997852	6.875802
OR2AK2	OR2AK2	7.014821	7.162177	6.911198	7.09739	6.991927	7.164799	6.913858	7.060926	6.920514	7.086823	6.782885	7.002981
OR2AT4	OR2AT4	6.669038	6.985087	6.692988	6.883031	6.862766	6.93671	6.938243	6.86298	6.866638	6.87408	6.817221	6.750042
OR2B11	OR2B11	6.795328	7.048907	6.867794	7.0907	7.018964	6.921182	6.925992	6.983138	6.869178	7.021918	6.922164	6.741318
OR2B2	OR2B2	6.908499	7.192807	6.863496	7.000738	7.039027	7.013831	6.944085	6.9938	6.918811	6.965024	6.77725	6.852284
OR2B3	OR2B3	6.936656	7.290433	6.959033	7.179466	7.033337	7.116737	6.98868	6.977558	6.973138	7.026875	6.843015	7.021296
OR2B6	OR2B6	6.824807	7.069608	6.843928	6.921114	6.899286	6.909792	6.831082	6.899653	6.856893	6.921997	6.679924	6.844331
OR2C1	OR2C1	6.836832	7.039798	6.945501	6.966041	7.032659	7.004154	6.843228	6.991755	7.035201	6.975603	6.852197	6.786073
OR2C3	OR2C3	6.793544	7.129084	6.812003	6.94695	6.925609	6.9096	6.81897	6.839201	6.850368	6.894021	6.814267	6.888785
OR2D2	OR2D2	6.829274	7.102925	6.81349	7.124542	6.878326	6.978838	6.934437	6.905568	6.816261	6.890231	6.716532	6.889362
OR2D3	OR2D3	7.029104	6.95411	6.718266	6.958748	6.954986	6.872268	6.807602	6.951364	6.815369	6.958946	6.802723	6.805787
OR2F1	OR2F1	6.83999	7.013206	6.838524	7.046055	6.958859	6.954444	6.932392	6.931856	6.85152	6.938254	6.845222	6.866135
OR2F2	OR2F2	6.969616	6.937883	6.760018	7.096483	7.02176	7.05549	6.81172	6.951256	6.855106	6.93466	6.813852	6.851025
OR2G2	OR2G2	6.813526	6.920933	6.688876	7.003101	6.946508	6.874714	6.882184	6.878542	6.846171	6.843905	6.759793	6.862551
OR2G3	OR2G3	6.948694	7.12518	6.87406	7.07499	7.001012	7.013455	6.887361	6.961233	6.854611	6.946719	6.828919	6.88943
OR2G6	OR2G6	6.88953	7.086669	6.798455	6.976537	6.893649	6.930379	6.805914	6.897767	6.776933	6.846612	6.714088	6.72258
OR2H1	OR2H1	6.84516	6.959946	6.731517	6.880694	6.763385	6.808196	6.794018	6.807406	6.703139	6.753325	6.708182	6.72143
OR2H2	OR2H2	7.289773	7.494713	7.103447	7.400833	7.284792	7.488304	7.364479	7.385224	7.396506	7.441658	7.091047	7.510546
OR2J2	OR2J2	6.842543	6.897553	6.633753	6.929164	6.776997	6.966243	6.884876	6.958001	6.701808	6.876136	6.686752	6.83253
OR2J3	OR2J3	6.854673	6.970102	6.862042	6.997011	6.989603	6.943388	6.908509	7.057166	6.936031	6.929187	6.851693	6.848218
OR2K2	OR2K2	6.878245	6.992791	6.72904	6.88989	6.89479	6.868714	6.837942	6.966915	6.752048	6.859019	6.743741	6.902041
OR2L13	OR2L13	6.795034	7.030068	6.756447	6.890373	6.850692	6.888704	6.83237	6.854822	6.840231	6.929427	6.796446	6.793329

OR2L1P	OR2L1P	6.784237	7.031337	6.719038	6.957487	6.845512	7.025951	6.769895	6.844993	6.889032	6.86832	6.777392	6.831242
OR2L2	OR2L2	6.87884	7.038857	6.76101	6.966042	6.844093	6.803442	6.823426	6.985442	6.841479	6.910461	6.669422	6.764539
OR2L3	OR2L3	6.993581	7.19575	6.89472	7.044756	6.948833	7.182176	6.915961	6.988421	7.023916	7.015891	6.851584	6.924681
OR2L8	OR2L8	6.940902	7.115164	6.762573	7.021073	6.886647	6.897289	6.956988	7.003195	6.830547	7.024676	6.772263	6.767378
OR2M1P	OR2M1P	6.810803	6.976948	6.793903	6.942687	6.833545	6.952604	6.899232	6.921268	6.823732	6.926114	6.739598	6.78427
OR2M2	OR2M2	6.723582	7.031387	6.759552	7.023771	6.949519	7.106805	6.857643	6.968368	6.906339	7.003686	6.785228	6.870264
OR2M3	OR2M3	6.897389	7.010304	6.782468	6.979458	6.989021	6.979469	6.853126	6.967222	6.907734	6.910239	6.80498	6.849152
OR2M4	OR2M4	6.83731	7.05688	6.884871	7.03288	6.902307	7.063124	6.862831	6.961336	6.912847	6.842745	6.806352	6.918505
OR2M5	OR2M5	6.857569	6.910667	6.826894	7.072432	6.918958	7.002807	6.882249	6.938656	6.837901	6.868177	6.895994	6.863463
OR2M7	OR2M7	6.880244	7.119428	6.833273	6.939277	6.976048	6.866559	6.957541	6.907965	6.868581	6.876901	6.739909	6.779723
OR2S2	OR2S2	6.856603	6.914603	6.664632	6.958638	6.822659	6.760675	6.796928	6.888628	6.885251	6.875668	6.732732	6.781361
OR2T1	OR2T1	6.806788	7.139589	6.928103	7.112325	6.945903	7.068977	6.902954	7.015413	6.943725	7.135008	6.763808	6.884794
OR2T10	OR2T10	6.853976	6.994458	6.831468	6.946531	6.814378	6.813124	6.804703	6.823045	6.77532	6.757555	6.720457	6.705196
OR2T11	OR2T11	7.096448	7.209301	6.925628	7.074906	7.050517	7.150232	7.09742	7.059854	7.009052	7.085592	6.835947	6.878504
OR2T12	OR2T12	6.935801	7.083192	6.822423	7.082801	6.94582	6.898117	6.94231	7.021306	6.844147	7.019561	6.906801	6.858965
OR2T2	OR2T2	6.950155	7.069687	6.847376	7.092817	6.980018	7.053741	6.963656	6.986021	6.874249	7.001062	6.849456	6.86686
OR2T27	OR2T27	6.937312	7.105088	6.779644	7.154444	6.897055	7.001542	6.900607	6.907987	6.924069	6.815166	6.700353	6.767057
OR2T29	OR2T29	6.797952	7.018551	6.803557	7.048704	6.851562	6.903857	6.798473	6.910292	6.707145	6.753269	6.726211	6.805478
OR2T3	OR2T3	6.89345	7.000498	6.868053	6.945655	6.862727	6.932135	6.862059	6.859441	6.769017	6.806253	6.822062	6.715091
OR2T33	OR2T33	6.93717	7.207212	6.862572	7.054096	6.955847	6.989851	6.901791	6.965585	6.936683	7.00972	6.865774	6.884871
OR2T34	OR2T34	6.861969	7.013841	6.784266	6.961409	7.016527	6.988859	6.801909	6.922245	6.82092	6.959296	6.73116	6.738412
OR2T35	OR2T35	6.871162	7.146815	6.888961	6.979391	6.974029	7.048058	6.845519	6.960844	6.943569	6.922838	6.802087	6.909254
OR2T4	OR2T4	6.848866	7.077439	6.702815	6.983787	6.853755	6.871248	6.895174	6.932606	6.858919	6.919409	6.75207	6.810633
OR2T5	OR2T5	6.759001	7.002412	6.740684	6.917734	6.836623	6.935903	6.659014	6.960038	6.782018	6.929261	6.773876	6.785165
OR2T6	OR2T6	6.95558	7.057184	6.905673	7.029669	6.869187	6.959782	7.067364	6.994779	6.956713	6.928661	6.847307	7.052602
OR2T8	OR2T8	6.885475	7.144268	6.862074	6.935179	7.001655	7.024359	6.86881	6.918081	6.868664	6.866958	6.90479	6.827112
OR2V2	OR2V2	6.951848	7.079677	6.844439	6.982192	6.956807	7.164501	6.980284	6.975563	6.852721	6.951039	6.826376	6.79807
OR2W1	OR2W1	6.722668	7.062123	6.725051	6.89761	6.881976	6.941876	6.777597	6.871762	6.788012	6.893321	6.677879	6.808546
OR2W3	OR2W3	7.033885	7.280448	6.966534	7.229144	7.073218	7.405209	7.024603	7.078326	7.11031	7.095212	7.063363	7.000203
OR2W5	OR2W5	7.118615	7.270209	6.968067	7.156267	7.120353	7.264359	7.057536	7.139935	7.010364	7.148566	6.90031	7.0087
OR2Y1	OR2Y1	6.752607	6.996368	6.767206	6.893937	6.805469	6.746664	6.751455	6.821339	6.733997	6.85825	6.736789	6.761729
OR2Z1	OR2Z1	6.869971	7.039818	6.842741	7.013708	6.874075	7.081679	6.761349	6.9474	6.837971	7.018696	6.758568	6.844603
OR3A1	OR3A1	6.854495	7.054117	6.850089	7.11571	6.867402	7.040682	6.914875	7.029006	6.785495	6.897724	6.71774	6.821754
OR3A2	OR3A2	6.922627	7.222637	6.851557	7.101332	6.944305	6.93144	6.896466	6.978171	6.806713	7.039256	6.771667	6.822487
OR3A3	OR3A3	6.822627	7.028292	6.767414	7.064927	6.904738	6.869339	6.783161	6.947659	6.930751	6.890549	6.727022	6.821151
OR3A4	OR3A4	7.475463	7.956731	7.918187	7.709408	7.597476	8.175734	7.986907	7.749427	7.98813	8.01818	7.729502	8.168448

OR4A15	OR4A15	7.007968	7.30369	7.037921	7.106641	7.007738	7.13416	7.126749	7.087623	6.967602	7.01348	6.985968	7.075554
OR4A16	OR4A16	6.939278	7.054575	6.799241	7.068415	6.918609	7.080312	6.877551	6.938729	6.898663	6.879983	6.861076	6.924273
OR4A47	OR4A47	6.83524	6.840914	6.667388	7.018628	6.872041	6.901872	6.742318	6.787636	6.785329	6.803916	6.613029	6.801533
OR4A5	OR4A5	6.740872	6.94532	6.702519	6.956127	6.890241	6.893603	6.765659	6.901409	6.7434	6.891866	6.772691	6.855665
OR4B1	OR4B1	6.911983	7.106112	6.819937	7.061155	7.022458	7.018404	6.928377	6.961799	6.913593	6.986487	6.811666	6.832996
OR4C11	OR4C11	6.980227	7.033246	6.846166	7.004736	6.920305	7.057237	6.982171	7.026031	6.991195	7.022386	6.77708	6.957564
OR4C12	OR4C12	6.962253	7.132166	6.89749	7.149428	7.007905	7.141214	7.084593	7.04445	6.950045	7.055514	6.892426	6.959908
OR4C13	OR4C13	6.988372	6.988009	6.763686	6.972053	6.938742	7.13478	6.811196	6.927013	6.927528	6.93281	6.685104	6.78919
OR4C15	OR4C15	7.001371	7.263893	6.910632	7.133673	6.97467	7.022286	6.98833	7.006199	6.99732	7.111655	6.83044	6.894706
OR4C16	OR4C16	7.013758	7.29431	6.962973	7.178081	7.009879	7.296106	7.045101	7.119027	7.067875	7.036027	6.915196	6.937702
OR4C3	OR4C3	6.923079	6.970464	6.755269	7.004705	6.958666	6.920431	6.79144	6.950381	6.926525	6.885289	6.894792	6.828897
OR4C45	OR4C45	6.918606	7.049646	6.79769	6.994784	6.965948	7.093811	6.917928	7.120979	7.053285	7.048925	6.805364	6.814552
OR4C46	OR4C46	6.991447	7.199506	6.819041	7.100125	6.945839	7.050135	6.936064	7.019819	6.942716	6.983865	6.777247	6.906365
OR4C6	OR4C6	6.785252	7.079765	6.843092	7.041688	6.9487	6.978556	6.96069	6.965537	6.853523	6.941696	6.776283	6.843251
OR4D1	OR4D1	7.034852	7.164896	6.924551	7.191458	6.965931	7.131893	7.088665	7.086951	6.956977	7.039044	6.823958	7.042142
OR4D10	OR4D10	6.875526	7.14756	6.827878	7.018895	6.962678	7.052159	6.877341	6.968677	6.965307	6.945731	6.801061	6.832568
OR4D11	OR4D11	6.939406	7.150801	6.758799	7.087836	6.893148	6.91309	6.930884	6.968389	6.837211	6.971261	6.851321	6.87435
OR4D2	OR4D2	6.960983	7.137676	6.832139	7.091104	6.931821	7.053341	6.974968	6.952969	6.931551	7.0185	6.80034	6.840772
OR4D5	OR4D5	6.90449	7.15378	6.817702	7.065056	7.024359	7.053988	6.932957	7.003681	6.911254	7.105316	6.852158	6.813723
OR4D6	OR4D6	6.917705	7.188919	6.732959	7.153838	7.046592	7.167736	6.918186	6.996464	7.078915	7.040702	6.758115	7.007538
OR4D9	OR4D9	6.884165	7.019701	6.896141	6.994753	6.844767	6.988387	6.931503	6.900693	6.879406	6.952266	6.745246	6.856806
OR4E2	OR4E2	6.889083	6.901562	6.701099	6.924653	6.852731	6.84792	6.859256	6.887311	6.832368	6.903253	6.696607	6.749824
OR4F15	OR4F15	6.909496	7.077077	6.768228	7.013271	6.889039	6.830294	6.966743	6.892193	6.849346	6.994654	6.770178	6.857728
OR4F17	OR4F17	6.837807	7.070707	6.804208	6.91034	6.871836	6.915544	6.809787	6.948612	6.800735	7.022243	6.779389	6.868464
OR4F21	OR4F21	6.90396	7.077985	6.947732	7.209158	7.191368	7.128986	7.034071	7.067078	6.990121	7.032313	6.911442	6.919836
OR4F29	OR4F29	6.798272	7.072457	6.849786	7.020967	6.971302	6.88156	6.853091	6.891614	6.946246	6.835814	6.713051	6.803926
OR4F3	OR4F3	6.917672	7.051532	6.837254	7.094983	7.020541	7.124013	6.957421	6.988194	7.072439	7.029237	6.760621	6.948015
OR4F4	OR4F4	7.006929	7.145995	6.904617	6.978145	6.977914	7.040809	6.896095	6.993777	6.94862	6.971	6.812972	6.913512
OR4F5	OR4F5	6.886321	7.152188	6.908831	7.010251	6.922741	6.916862	6.904811	6.937277	6.909107	6.894779	6.809773	6.87936
OR4F6	OR4F6	6.824045	7.010084	6.724409	6.97795	6.987923	6.930292	6.735254	7.022955	6.85155	6.965898	6.764482	6.81008
OR4K1	OR4K1	6.881822	7.074563	6.855812	7.08347	6.99185	7.118052	6.985358	7.019943	6.921845	7.046155	6.885729	6.952427
OR4K13	OR4K13	6.916998	7.048819	6.869902	7.104981	6.90942	7.078393	6.973058	6.922303	7.008601	7.001074	6.872901	6.904781
OR4K14	OR4K14	6.8525	7.057179	6.889188	7.010284	6.976756	7.005339	6.907399	6.939652	6.959651	6.891014	6.791099	6.77566
OR4K15	OR4K15	6.846577	7.013601	6.795556	6.938204	6.851761	6.889351	6.804541	6.958957	6.819036	6.891153	6.738244	6.803214
OR4K17	OR4K17	6.944755	6.99914	6.820201	6.965084	6.923957	6.939517	6.862315	6.916143	6.813364	6.912126	6.808289	6.873923
OR4K2	OR4K2	6.880957	7.114845	6.831099	7.098102	6.913154	7.031304	6.925464	6.941556	6.987554	6.902348	6.826793	6.804132

OR4K5	OR4K5	6.762795	7.004212	6.755563	7.121916	6.899869	6.947678	6.848312	7.027049	6.862219	6.976977	6.71171	6.838221
OR4L1	OR4L1	6.93118	7.120677	6.834495	7.103765	6.938765	7.007807	6.968594	6.940861	6.942515	6.999612	6.831987	6.837642
OR4M1	OR4M1	6.912724	7.16361	6.878732	7.158032	7.044278	7.043928	7.031472	6.987433	6.977892	7.020771	6.88817	6.878324
OR4M2	OR4M2	6.912499	7.110863	6.881135	7.063537	7.061335	6.989851	6.90506	7.046064	6.934301	6.94641	6.813105	6.950622
OR4N2	OR4N2	6.86395	7.028779	6.785096	7.001891	6.928523	7.036376	6.829851	6.881786	6.896392	6.98407	6.625752	6.914346
OR4N4	OR4N4	6.742692	7.088819	6.714099	7.003676	6.963011	6.844504	6.822595	6.8951	6.782163	6.836268	6.787657	6.90138
OR4N5	OR4N5	6.75814	6.990854	6.641215	6.93288	6.863157	6.957956	6.776886	6.894012	6.964911	6.80674	6.705141	6.708281
OR4P4	OR4P4	7.214722	7.305562	7.12097	7.202002	7.045426	7.075097	7.010076	7.095576	6.981141	7.185065	6.968854	6.99208
OR4Q3	OR4Q3	6.775037	6.968208	6.842326	7.034698	6.891276	6.980379	6.854339	6.918466	6.82439	6.964434	6.771465	6.782454
OR4S1	OR4S1	6.887993	7.106173	6.867245	7.108356	7.015186	7.038579	6.974411	7.096608	6.892441	6.995759	6.871323	6.834626
OR4S2	OR4S2	6.808115	6.96315	6.798826	6.983072	6.930074	6.868142	6.979645	6.880722	6.938373	6.949863	6.706933	6.799808
OR4X1	OR4X1	6.782458	7.123346	6.891059	7.075253	6.992341	7.034127	6.945142	6.968138	6.959899	6.915527	6.759196	6.807469
OR4X2	OR4X2	6.774349	6.928749	6.691443	6.992345	6.856382	6.883079	6.820453	6.96366	6.791968	6.79759	6.802679	6.758998
OR51A2	OR51A2	6.849511	7.060327	6.856509	7.032301	6.873884	6.956705	6.938359	6.936087	6.98767	6.927282	6.738587	6.906245
OR51A4	OR51A4	6.744454	7.002303	6.715925	6.873439	6.874532	6.893613	6.816618	6.918714	6.722488	6.82045	6.788085	6.710669
OR51A7	OR51A7	6.904603	7.077384	6.796916	6.941231	6.995996	6.928768	6.864011	6.946225	6.929773	6.911235	6.721726	6.769403
OR51B2	OR51B2	6.79892	7.039872	6.730094	7.019061	6.889773	6.97727	6.863369	6.893681	6.859818	6.863265	6.815088	6.791529
OR51B4	OR51B4	6.763202	7.119473	6.78954	7.019325	6.954278	7.130994	6.998838	6.937924	6.91459	6.95365	6.799896	6.866221
OR51B5	OR51B5	6.787227	7.016641	6.781044	6.981253	6.884746	6.921181	6.798835	6.93121	6.805266	6.851824	6.712224	6.842037
OR51B6	OR51B6	6.731514	6.871053	6.704292	6.925735	6.871747	6.862658	6.871291	6.93745	6.773932	6.848176	6.614555	6.712919
OR51D1	OR51D1	6.98472	6.908597	6.858071	7.14467	6.968715	6.991527	6.903146	6.895939	6.772483	6.930666	6.800815	6.794884
OR51E1	OR51E1	6.697451	6.789226	6.632401	6.946753	6.956351	6.850922	6.824539	6.922803	6.69366	6.834242	6.655381	6.755848
OR51E2	OR51E2	6.846378	7.04866	6.939322	6.925713	7.133759	6.985478	6.856649	7.098705	6.919886	7.018363	6.862344	6.824979
OR51F1	OR51F1	6.941549	7.240593	6.993987	7.115511	7.057416	7.066373	6.943521	7.096675	6.934894	7.08827	6.831738	6.955355
OR51F2	OR51F2	6.830119	6.925883	6.834828	6.966009	6.852929	6.877698	6.85303	6.875067	6.825006	6.868723	6.759772	6.703219
OR51G1	OR51G1	6.829009	6.915756	6.696042	6.947993	6.95555	6.916649	6.840149	6.880554	6.791858	6.71848	6.669711	6.812367
OR51G2	OR51G2	6.976637	6.980487	6.800277	6.978416	6.920052	6.941385	6.858832	6.982855	6.863564	6.989336	6.724551	6.811946
OR51I1	OR51I1	6.897739	7.249724	6.786489	7.162808	6.957797	7.018586	6.982734	7.028131	6.994704	7.075838	6.836349	6.904013
OR51I2	OR51I2	6.976751	7.036706	6.874081	7.061408	6.93785	6.977818	6.924212	7.015394	6.880214	6.985785	6.851978	6.880838
OR51L1	OR51L1	6.830484	7.062385	6.731491	7.034186	6.811688	6.991475	6.808281	6.931109	6.746333	6.880789	6.758501	6.882052
OR51M1	OR51M1	7.060416	7.068783	6.872888	7.01766	7.019294	7.001128	7.018443	6.900935	6.855578	6.9763	6.721384	6.845211
OR51Q1	OR51Q1	6.945006	7.280333	6.944122	7.177159	7.024549	7.281496	6.934585	7.092042	6.98954	7.201847	6.955989	7.046876
OR51S1	OR51S1	6.829561	7.021177	6.751585	6.958356	6.850644	6.959285	6.866418	6.890719	6.829878	6.935637	6.748348	6.777433
OR51T1	OR51T1	7.24796	7.550491	6.978116	7.277889	7.150375	7.460262	7.316368	7.1929	7.203512	7.310641	7.112078	7.223464
OR51V1	OR51V1	6.691339	6.959953	6.845631	6.931619	6.913891	6.839885	6.677571	6.817831	6.831869	6.910156	6.7241	6.728932
OR52A1	OR52A1	7.521105	7.109939	7.085589	6.992602	6.887424	6.93001	6.868177	6.882321	6.956885	6.847006	6.767387	6.80798

OR52A4	OR52A4	6.810711	7.140889	6.71461	7.029145	6.862548	6.919625	6.730516	6.899095	6.955092	6.891657	6.685971	6.73277
OR52A5	OR52A5	7.442539	7.537993	7.118278	7.448619	7.277928	7.51743	7.326266	7.257452	7.318984	7.427987	7.111298	7.200046
OR52B2	OR52B2	6.921162	6.972842	6.755615	6.963447	6.862232	6.843089	6.871948	7.054127	6.855866	6.892288	6.864562	6.750126
OR52B4	OR52B4	6.827298	6.947713	6.612771	6.965358	6.872745	6.817749	6.812567	6.805194	6.733267	6.763419	6.683537	6.734468
OR52B6	OR52B6	6.969988	7.193501	6.992677	7.172532	7.064175	7.106253	7.053434	7.00601	6.968073	7.041307	6.773143	7.036747
OR52D1	OR52D1	7.146885	7.247901	6.912817	7.078747	7.167358	7.255374	7.185695	6.956966	7.06186	7.151205	7.001368	7.008558
OR52E2	OR52E2	6.791425	7.007644	6.776796	6.927075	6.88405	7.11727	6.777577	6.883776	6.849491	6.802056	6.656033	6.773913
OR52E4	OR52E4	6.875008	6.977517	6.821059	6.985425	6.82833	6.928525	6.880473	6.870864	6.752078	6.843338	6.769442	6.823538
OR52E5	OR52E5	6.887056	7.083328	6.720161	7.039147	7.036408	6.921341	6.920997	6.863495	6.953696	6.957881	6.794645	6.874381
OR52E6	OR52E6	6.93039	7.10201	6.788263	7.083487	6.979731	7.000902	6.869882	7.009117	6.858856	7.09234	6.874294	6.867182
OR52E8	OR52E8	6.80219	6.981748	6.684412	6.933991	6.814685	6.940349	6.77908	6.830026	6.779886	6.869036	6.741256	6.760486
OR52H1	OR52H1	6.936642	7.25947	6.865916	7.170874	6.996647	6.879003	7.036454	7.004084	6.942794	6.949898	6.894612	6.976252
OR52I1	OR52I1	6.810531	7.020169	6.843962	6.941097	6.955903	6.903885	6.826107	6.961708	6.818089	6.779817	6.816567	6.736899
OR52I2	OR52I2	6.649982	6.983217	6.786762	6.837148	6.975066	6.907184	6.817924	6.911648	6.789622	6.735433	6.714581	6.773621
OR52J3	OR52J3	6.839634	6.993701	6.75984	6.973528	6.840873	6.918186	6.742675	6.841513	6.923357	6.964808	6.837294	6.835266
OR52K1	OR52K1	7.01086	7.197332	6.932954	7.041326	7.005043	7.199358	6.919213	6.993251	7.01113	7.084463	6.894439	7.044194
OR52K2	OR52K2	6.869802	7.054593	6.792752	7.055593	6.949376	6.982557	6.883352	6.961827	6.91979	6.888397	6.762571	6.850449
OR52L1	OR52L1	6.88774	7.118286	6.814996	6.978832	6.905285	7.07859	6.779586	6.932376	6.869668	6.961106	6.839811	6.857433
OR52M1	OR52M1	6.858745	6.990161	6.714253	7.034886	6.975318	6.906295	6.877212	6.890219	6.880366	6.930157	6.813076	6.775149
OR52N1	OR52N1	6.865069	7.055579	6.762045	7.031198	6.901438	6.857903	6.853591	6.985603	6.895552	6.860627	6.676536	6.857616
OR52N2	OR52N2	6.97911	7.272954	7.021849	7.187752	7.174221	7.362172	7.20774	7.142745	7.070285	7.062909	6.955878	6.923187
OR52N4	OR52N4	6.804659	7.164551	6.829872	6.976827	6.813288	6.969071	6.817516	6.912794	6.930368	6.775335	6.935645	6.807427
OR52N5	OR52N5	6.990594	7.183872	6.893827	7.091692	7.00589	6.994166	6.888622	6.939246	7.03716	7.038318	6.869766	6.97492
OR52R1	OR52R1	6.887572	7.070088	6.828716	7.051275	6.918184	7.049547	6.851898	6.912476	6.88871	6.950878	6.72368	6.880274
OR52W1	OR52W1	6.984977	7.086579	6.874608	7.042443	7.032564	7.158298	6.986999	7.027753	7.034746	7.018153	6.911498	6.847447
OR56A1	OR56A1	6.872057	7.069217	6.884832	6.996313	6.965863	7.005384	6.933861	6.952052	6.937334	6.919322	6.859638	6.910289
OR56A3	OR56A3	6.740341	7.065729	6.744138	6.968298	6.854984	6.885223	6.792512	6.781677	6.93229	7.0047	6.769534	6.781364
OR56A4	OR56A4	6.748578	7.104389	6.765881	7.029241	6.898885	6.94344	6.870211	6.952864	6.831014	6.924467	6.743024	6.847753
OR56B1	OR56B1	6.95556	7.122328	6.848712	7.189906	7.002183	6.981441	6.89969	7.043009	6.922303	6.983195	6.880623	7.08705
OR56B4	OR56B4	7.071372	7.441654	6.966527	7.255528	7.169361	7.263412	7.106164	7.126734	7.172282	7.240823	7.141887	7.068728
OR5A1	OR5A1	6.874826	7.084189	6.885698	7.081422	6.934866	6.985923	6.889818	6.968468	6.878484	6.910513	6.681921	6.885901
OR5A2	OR5A2	6.826475	7.025614	6.710377	6.93097	6.773059	6.907521	6.81782	6.788064	6.71682	6.824863	6.682161	6.783904
OR5AC2	OR5AC2	6.947632	6.895079	6.742725	6.886498	6.913043	7.037656	6.806121	6.875917	6.839982	6.914826	6.776961	6.758163
OR5AK2	OR5AK2	6.875926	7.030425	6.835896	7.008117	6.934158	6.869326	6.754575	7.020562	6.855182	6.847418	6.847987	6.717283
OR5AN1	OR5AN1	6.733152	7.104694	6.762519	7.02208	6.861989	6.944594	6.814776	6.916803	6.92089	6.969227	6.79497	6.792156
OR5AP2	OR5AP2	6.89851	7.09091	6.78483	6.970537	6.883051	7.104694	6.989222	6.991155	6.813088	6.908423	6.782005	6.949401

OR5AR1	OR5AR1	7.036351	7.123429	6.915766	7.120129	6.971867	7.144881	6.873988	7.088981	7.013905	6.930488	6.840529	6.848624
OR5AS1	OR5AS1	6.926334	7.082299	6.800613	7.053764	6.965385	6.990066	6.859833	6.976148	7.033135	7.024548	6.876503	6.967294
OR5AT1	OR5AT1	6.874246	6.938715	6.678772	7.010439	6.88462	6.910722	6.813429	6.903311	6.822279	6.93369	6.770625	6.904589
OR5AU1	OR5AU1	6.856262	7.157396	6.732009	7.018361	6.931682	7.003025	6.889136	6.899495	6.929163	6.940769	6.745866	6.862697
OR5AY1	OR5AY1	6.898888	7.094007	6.777824	7.031324	6.926573	7.045769	6.883694	6.957426	6.788259	7.081914	6.726632	6.872171
OR5B12	OR5B12	7.031967	7.489195	7.010004	7.317331	7.004125	7.079373	6.973944	7.015938	6.851961	6.925349	6.775394	7.00349
OR5B17	OR5B17	6.936427	7.081119	6.793893	6.980207	6.852493	7.033823	6.828416	6.918688	6.795775	6.915926	6.800348	6.863925
OR5B2	OR5B2	6.946399	7.222104	6.965275	7.163434	7.056701	6.992509	6.968688	7.029642	6.901622	6.981679	6.940703	6.926469
OR5B21	OR5B21	6.923719	7.144866	6.898798	6.997242	6.961436	6.994665	6.809428	7.044037	6.969812	6.977375	6.819585	6.835978
OR5B3	OR5B3	6.857391	7.014295	6.699676	6.909579	6.886996	6.876237	6.728961	6.974669	6.752675	6.904535	6.787622	6.674584
OR5BF1	OR5BF1	6.802622	7.033539	6.845772	6.957132	6.876657	7.005205	6.882473	6.910332	6.845291	7.026761	6.899712	7.007262
OR5BU1	OR5BU1	6.880597	7.027369	6.678376	6.981339	6.845546	6.944754	6.840144	6.804874	6.821707	6.806697	6.675709	6.806134
OR5C1	OR5C1	6.889273	7.086442	6.812698	7.050853	6.951269	7.015978	6.864445	7.112148	6.915556	6.927862	6.815891	6.933982
OR5D13	OR5D13	6.898035	6.995134	6.717178	6.97404	6.913219	7.020403	6.941974	6.906251	6.882364	7.098624	6.77221	6.827923
OR5D14	OR5D14	6.884088	6.935809	6.775104	7.07772	6.982084	7.037949	7.016762	6.992256	6.855929	6.926719	6.743041	7.006409
OR5D16	OR5D16	6.898045	7.072348	6.835685	7.075337	6.970766	7.057335	6.862749	7.00006	6.942625	6.973995	6.876516	6.923117
OR5D18	OR5D18	6.943971	7.055811	6.770641	6.971177	6.878219	6.959973	6.858019	6.88754	6.933118	6.910477	6.779488	6.813484
OR5F1	OR5F1	6.870034	7.079918	6.759022	7.010507	6.939525	6.959126	6.862146	6.957832	6.939904	6.866976	6.806028	6.924836
OR5H1	OR5H1	6.87392	7.00033	6.848938	6.955985	6.83759	6.931767	6.82013	6.876337	6.862746	6.956981	6.781653	6.874639
OR5H14	OR5H14	6.752965	7.053275	6.73843	6.946798	6.832449	6.939195	6.747411	6.925447	6.880536	7.013366	6.844134	6.79093
OR5H15	OR5H15	6.847512	6.993741	6.675517	7.001037	6.855559	6.897194	6.877989	6.915721	6.821364	6.892715	6.726361	6.731453
OR5H2	OR5H2	6.823884	6.943302	6.811771	6.987556	6.88407	6.853208	6.779616	6.94634	6.837941	6.890221	6.785332	6.776834
OR5H6	OR5H6	6.824423	7.011052	6.643086	7.119465	6.922333	6.98927	6.850576	6.877592	6.894856	6.890335	6.828471	6.836406
OR5I1	OR5I1	6.807766	6.94966	6.759514	6.931121	6.875762	6.907621	6.832129	6.913007	6.792577	6.913592	6.732918	6.750619
OR5J2	OR5J2	6.818875	6.942944	6.678294	6.928797	6.845686	6.838588	6.800283	6.808293	6.803254	6.858324	6.689636	6.809463
OR5K1	OR5K1	6.819832	7.02095	6.670026	7.077951	6.889928	6.979676	6.863848	7.059639	7.031222	6.884832	6.69931	6.839411
OR5K2	OR5K2	6.922648	6.980042	6.823512	7.022826	6.908356	6.851606	6.915336	6.933963	6.838493	6.868204	6.835344	6.677018
OR5K3	OR5K3	6.938469	7.07908	6.778767	7.068836	6.922528	7.036421	6.858772	6.931976	6.860105	6.944678	6.800237	6.788522
OR5K4	OR5K4	6.865861	7.194513	6.827843	7.05003	7.022292	7.053078	7.014924	7.015283	6.815728	7.035241	6.837476	6.922511
OR5L1	OR5L1	6.942506	7.122424	6.752499	7.055788	6.946662	7.011509	6.884772	7.034906	6.918825	7.027169	6.812847	6.876009
OR5L2	OR5L2	6.928158	7.067724	6.856184	6.990249	6.926704	6.924012	6.839717	6.93849	6.872192	6.901401	6.783413	6.790642
OR5M10	OR5M10	6.951344	7.075502	6.871386	7.042588	6.980255	6.987488	6.972638	6.982287	6.892765	7.008264	6.840574	6.837334
OR5M11	OR5M11	6.852857	7.092333	6.778726	7.000626	6.932222	6.965394	6.881454	6.965017	6.852913	6.923715	6.796003	6.808717
OR5M3	OR5M3	6.972854	7.082284	7.019563	7.090788	6.99143	7.294231	7.029657	7.060297	7.046529	7.018368	6.844877	6.904129
OR5M8	OR5M8	6.930103	7.136551	6.888457	7.079936	6.965429	7.016434	6.880794	6.992402	6.885483	7.016889	6.807998	6.920938
OR5M9	OR5M9	6.870754	7.156169	6.92173	7.297875	7.010036	7.158374	6.937955	7.068502	7.039543	7.051504	6.895967	6.975462

OR5P2	OR5P2	6.898245	7.086936	6.802604	6.932957	6.926786	6.907865	6.861087	6.982934	6.934344	6.809083	6.816709	6.851819
OR5P3	OR5P3	6.849043	7.059164	6.805913	7.067091	6.873972	6.968067	6.89241	6.959474	6.900951	6.981575	6.717202	6.813833
OR5R1	OR5R1	6.95253	6.962781	6.769209	6.942772	6.908803	7.108451	6.93106	6.980871	6.794359	6.889661	6.734988	6.833712
OR5T1	OR5T1	6.83963	6.980017	6.678203	6.93157	6.841007	6.919604	6.752483	6.87512	6.888097	6.760071	6.722809	6.704434
OR5T2	OR5T2	6.870628	7.032197	6.836841	6.986375	6.916351	6.978057	6.88329	6.919034	6.850438	6.95522	6.729134	6.881381
OR5T3	OR5T3	6.782465	7.0355	6.862739	7.091264	6.995993	7.052854	6.945208	6.933626	6.983107	6.996473	6.853266	6.787691
OR5U1	OR5U1	6.970968	7.048433	6.773794	7.059783	6.970787	7.014386	6.77021	6.963442	6.839284	6.903254	6.860506	6.843478
OR5V1	OR5V1	6.821301	7.030143	6.799752	7.056606	6.978983	6.923022	6.80033	6.962882	6.780442	6.913945	6.796968	6.898623
OR5W2	OR5W2	6.830173	7.022856	6.718957	7.010842	6.889933	6.871513	6.844541	6.883255	6.825844	6.814672	6.684279	6.855036
OR6A2	OR6A2	6.931901	7.020893	6.846339	7.08402	6.873897	7.026479	6.680781	6.893876	6.871706	6.973727	6.673812	6.960779
OR6B1	OR6B1	6.852781	7.055878	6.817966	7.061822	7.037393	7.056008	7.007414	7.025279	7.027974	7.139863	6.957428	7.083298
OR6B2	OR6B2	6.843615	7.053077	6.702423	6.878738	6.925202	6.980677	6.859974	6.917475	6.758653	6.905324	6.732823	6.791027
OR6B3	OR6B3	6.93001	6.936071	6.790977	6.941452	6.948399	6.990139	6.88338	6.983458	6.834965	6.931555	6.786972	6.752354
OR6C1	OR6C1	6.941776	6.957002	6.81145	7.003889	6.967323	7.00304	6.960029	7.061857	6.892089	6.926352	6.774737	6.783461
OR6C2	OR6C2	6.833277	6.895317	6.831696	7.055381	6.849984	6.94299	6.804063	6.898514	6.730727	6.796107	6.677603	6.718784
OR6C3	OR6C3	6.89547	7.179642	7.033908	7.004972	7.116401	7.090333	7.038207	7.079269	7.05992	7.06717	6.904687	6.933361
OR6C4	OR6C4	6.832792	6.966951	6.833489	6.952423	6.989551	6.970487	6.837813	6.994766	6.794964	6.890252	6.832538	6.836245
OR6C6	OR6C6	6.917182	6.965108	6.787977	7.069541	6.946739	7.090805	6.920046	6.925115	6.923261	6.972444	6.686991	6.832716
OR6C65	OR6C65	6.859738	6.988721	6.74754	6.950523	6.848293	6.967038	6.937713	6.919522	6.849584	6.94298	6.8088	6.834625
OR6C68	OR6C68	6.854471	6.961743	6.760525	6.801515	6.91067	6.649375	6.813341	6.788313	6.79637	6.934302	6.64766	6.671767
OR6C70	OR6C70	6.887567	6.917237	6.786875	6.986763	6.860988	6.918544	6.850061	6.953656	6.66384	6.865304	6.730318	6.76726
OR6C74	OR6C74	6.816018	7.053737	6.795725	6.958607	6.851234	6.955091	6.875131	6.832642	6.898829	6.888278	6.72932	6.941511
OR6C75	OR6C75	6.89051	7.105552	6.863854	6.945738	6.865408	6.994337	6.807437	6.985474	6.783721	6.928897	6.69233	6.858465
OR6C76	OR6C76	6.839359	6.870764	6.866453	7.032702	6.826962	6.972448	6.720105	6.869183	6.858894	6.966306	6.862614	6.946279
OR6F1	OR6F1	6.80863	6.899949	6.733304	7.017311	6.905916	7.206568	6.909392	6.917093	6.858792	6.949363	6.812676	6.94859
OR6K2	OR6K2	6.880455	6.997274	6.722257	6.983803	6.884336	6.831599	6.77882	6.871309	6.737954	6.840666	6.777945	6.700472
OR6K3	OR6K3	6.850191	7.015903	6.724971	6.960832	6.900381	6.903855	6.921478	6.91882	6.83826	7.080759	6.732718	6.82462
OR6K6	OR6K6	6.720296	6.783568	6.793133	6.937859	6.8802	6.841433	6.946484	6.867447	6.767002	6.836793	6.734279	6.755656
OR6M1	OR6M1	6.887994	6.894666	6.763223	7.01154	6.90775	6.887113	6.886637	7.006657	6.951426	6.784457	6.718877	6.859512
OR6N1	OR6N1	6.862135	7.023939	6.753209	6.965459	6.876727	6.967802	6.892796	6.985515	6.83588	6.937606	6.851481	6.751926
OR6N2	OR6N2	6.7916	6.971986	6.844755	6.97713	6.905446	7.142623	6.984339	7.046655	6.857179	7.000638	6.788528	6.900332
OR6Q1	OR6Q1	7.01329	7.001491	6.724759	7.050937	6.849498	6.993053	6.802635	6.917209	6.969279	6.932212	6.884727	6.804679
OR6S1	OR6S1	6.855629	6.899489	6.71186	6.958819	6.879556	6.921159	6.810347	6.930919	6.856174	6.86146	6.788023	6.83117
OR6T1	OR6T1	6.797272	6.824999	6.600969	6.914788	6.827193	6.820016	6.837196	6.900369	6.657307	6.870052	6.852444	6.723585
OR6V1	OR6V1	7.007918	7.323249	6.88655	7.118012	7.066184	7.231845	7.091988	7.137543	7.084201	7.189221	6.877625	6.995577
OR6W1P	OR6W1P	6.848823	7.099655	6.819421	6.859571	6.998374	6.888074	6.844449	6.885724	6.865583	6.952131	6.746175	6.884366

OR6X1	OR6X1	6.829141	7.003957	6.7698	6.937708	6.899236	6.888342	6.857998	6.926367	6.829799	6.942086	6.769167	6.857003
OR6Y1	OR6Y1	6.75689	7.038197	6.764976	6.981036	6.8633	6.910888	6.838144	6.938683	6.854947	6.927047	6.762011	6.764157
OR7A10	OR7A10	6.857045	6.966849	6.763653	6.945544	6.824838	6.85338	6.83639	6.898027	6.856308	6.958263	6.921375	6.916678
OR7A17	OR7A17	6.855141	7.184802	6.976531	7.103421	6.983154	7.154878	7.030548	6.910783	6.990654	7.007323	6.745854	6.832543
OR7A5	OR7A5	6.883015	6.979811	6.831103	7.043774	6.817136	6.839642	6.903626	6.893261	6.906791	7.013672	6.748029	6.818223
OR7C1	OR7C1	6.764815	6.917955	6.714555	6.917523	6.859085	6.881743	6.781474	6.773458	6.830462	7.011162	6.662227	6.7085
OR7C2	OR7C2	6.973303	7.182844	6.82644	7.112928	7.025305	7.056861	6.923248	7.015682	7.000012	6.918414	6.799292	7.022158
OR7D2	OR7D2	6.945574	7.030332	6.746551	6.959657	6.838343	7.135637	6.910088	6.874207	6.913445	6.941222	6.785096	6.810473
OR7D4	OR7D4	6.92696	7.126171	6.796276	7.154442	6.895619	7.006454	7.008986	7.012219	6.994149	6.936453	6.773151	6.926528
OR7E156F	OR7E156F	7.253429	7.502042	7.346925	7.883047	8.079004	8.399835	8.28085	8.505056	8.425311	8.409045	7.974288	7.83182
OR7E24	OR7E24	6.932344	7.101269	6.839252	6.992875	6.945769	6.892968	6.890748	6.89968	6.900266	6.954824	6.751045	6.808418
OR7E37P	OR7E37P	6.925718	7.408005	6.729258	7.084823	6.934033	7.100773	6.919961	6.945082	6.902567	6.998013	6.812703	6.85698
OR7E91P	OR7E91P	6.760803	6.974024	6.795188	6.970314	6.849853	6.97283	6.800144	6.869446	6.798218	6.905807	6.711265	6.808556
OR7G1	OR7G1	6.958821	7.102452	6.878927	7.036645	7.064491	7.037287	6.870889	7.040668	6.819467	7.036547	6.888452	6.885321
OR7G2	OR7G2	6.842272	7.063114	6.798028	7.051671	6.994231	7.049139	7.022943	6.919451	7.06523	6.916719	6.875721	6.803742
OR7G3	OR7G3	6.938236	6.946937	6.846381	7.130782	6.954575	6.997838	6.867707	6.938663	6.952056	6.994431	6.80035	6.874264
OR8A1	OR8A1	6.794608	7.082379	6.842086	7.097926	6.91888	6.998342	6.899792	6.979767	6.832884	7.009606	6.805678	6.794059
OR8B12	OR8B12	6.965542	7.118835	6.906833	7.071553	7.051854	7.063754	7.013998	6.987823	6.922921	7.03302	6.904914	6.87729
OR8B2	OR8B2	6.856092	6.957854	6.831019	7.042088	6.84404	7.109181	6.857821	6.868387	6.704982	6.962099	6.68851	6.878009
OR8B3	OR8B3	6.805242	6.960847	6.751787	6.936599	6.853729	6.970354	6.838589	6.96515	6.810174	6.866944	6.753549	6.811949
OR8B4	OR8B4	6.89308	7.074374	6.763039	7.045095	6.903187	7.005886	6.93365	7.002622	6.856329	6.942985	6.685965	6.786981
OR8B8	OR8B8	6.781064	6.829894	6.69332	6.91299	6.816824	6.96842	6.705372	6.82568	6.633222	6.841313	6.670283	6.764988
OR8D1	OR8D1	6.819296	7.039437	6.855961	7.039972	6.943637	7.063584	6.935178	6.983222	6.791898	6.930474	6.839819	6.885265
OR8D2	OR8D2	6.803877	7.04544	6.825142	7.005412	7.006327	6.913157	6.926324	6.97987	6.883942	6.941009	6.73943	6.806856
OR8D4	OR8D4	6.779702	7.012662	6.814484	7.044692	7.032287	6.999646	6.783779	6.90898	6.852133	6.921155	6.783264	6.745402
OR8G1	OR8G1	6.917135	7.156194	6.835685	6.951944	6.903009	6.926421	6.881288	7.007248	6.840777	6.943082	6.772125	6.898091
OR8G2	OR8G2	6.917124	7.106584	6.731438	7.126144	6.949093	7.021478	6.911919	7.019071	6.959676	6.997862	6.868464	6.943939
OR8G5	OR8G5	6.794968	6.954463	6.709738	7.129983	6.880093	6.942216	6.746361	6.849159	6.922489	6.863039	6.840326	6.800873
OR8H1	OR8H1	6.877737	7.063914	6.852756	6.998253	6.99578	7.011005	6.908313	6.93221	6.965278	6.872673	6.816026	6.845858
OR8H2	OR8H2	6.887617	7.034957	6.784659	6.936676	6.918761	7.023007	6.874712	6.890061	6.804729	6.904091	6.697571	6.814049
OR8H3	OR8H3	7.310348	7.587489	7.44389	7.58436	7.304708	7.615141	7.21035	7.243631	7.28237	7.303019	7.012749	7.159155
OR8I2	OR8I2	7.006705	6.896276	6.751219	6.994064	6.938165	6.850515	6.839896	6.884897	6.697536	6.92767	6.744726	6.836118
OR8J1	OR8J1	6.927599	7.081084	6.830129	6.998614	6.836668	6.966064	6.910944	6.986141	6.887265	6.955523	6.743894	6.902361
OR8J3	OR8J3	6.907569	7.007957	6.818265	7.037074	6.955656	7.069323	6.813224	6.962884	6.896423	7.025314	6.7714	6.796329
OR8K1	OR8K1	6.710928	7.072062	6.779866	6.976624	6.884524	6.938228	6.9305	6.926768	6.818874	7.00059	6.711311	6.728652
OR8K3	OR8K3	6.912031	6.91235	6.815681	7.025249	6.872426	6.863697	6.763058	6.947865	6.819135	6.78135	6.774463	6.723789

OR8K5	OR8K5	6.896308	7.189394	6.847482	7.111083	7.062694	7.040487	6.980032	6.993614	6.952745	7.084105	6.876654	6.89379
OR8S1	OR8S1	6.886812	7.014215	6.659369	6.927969	6.882715	6.967521	6.84108	6.851211	6.866097	6.894188	6.725085	6.812664
OR8U1	OR8U1	6.917987	7.215584	6.869553	6.979475	7.038572	6.955263	6.926291	7.002242	6.952215	6.894316	6.895682	6.873923
OR8U8	OR8U8	6.810622	6.952103	6.836217	6.991015	6.852053	6.872408	6.872165	6.783496	6.784213	6.941552	6.838493	6.887975
OR8U9	OR8U9	6.900342	7.015977	6.725437	7.030056	6.866609	6.940885	6.845747	6.87602	6.849244	6.91518	6.791958	6.786425
OR9A2	OR9A2	6.938299	7.06831	6.780549	7.121073	6.999794	7.117807	6.997833	6.898573	6.861895	6.953051	6.82868	6.926827
OR9A4	OR9A4	6.841979	7.032894	6.713624	7.025551	6.976219	7.100861	6.78663	6.886363	6.98624	7.033395	6.754935	6.91064
OR9G1	OR9G1	6.786677	6.988576	6.77761	7.019069	6.91164	6.898924	6.907624	6.939264	6.846393	6.958172	6.704952	6.846529
OR9G4	OR9G4	6.817769	7.093577	6.802489	7.000381	6.849137	6.924046	6.809147	6.941149	6.9237	6.861917	6.717899	6.831634
OR9G9	OR9G9	6.86067	7.10486	6.789879	7.020375	6.86445	6.944232	6.959626	6.937162	6.892082	7.000679	6.747918	6.795767
OR9I1	OR9I1	6.947512	7.127809	6.892748	7.07934	7.017854	6.942506	7.009418	6.964806	6.956722	7.040507	6.816779	7.057077
OR9K2	OR9K2	6.777734	6.983216	6.76173	6.920218	6.834235	6.939909	6.809787	6.859541	6.925144	6.889299	6.834531	6.810502
OR9Q1	OR9Q1	6.787904	6.939234	6.782071	7.033676	6.784358	7.016635	6.72605	6.743558	6.845691	6.952997	6.710536	6.809722
OR9Q2	OR9Q2	6.826683	7.006997	6.790119	6.879389	6.934013	6.926958	6.869513	6.939107	6.803753	6.914609	6.811917	6.770988
ORAOV1	ORAOV1	8.820937	9.254165	8.926498	8.994423	8.942081	9.31752	8.732416	8.60799	8.860313	8.622409	8.359584	8.431581
ORC1L	ORC1L	8.722061	9.04867	8.379149	7.980175	7.503498	7.255729	6.984944	7.128007	7.054963	7.060901	6.865985	6.923006
ORC2L	ORC2L	10.04758	10.43723	9.857869	9.577632	9.105974	9.21714	8.803945	8.677341	8.881974	8.756837	8.723799	8.628597
ORC3L	ORC3L	10.07832	10.58778	9.853609	9.795563	9.476439	10.04486	9.709917	9.841983	9.941685	10.01386	9.554797	9.589603
ORC4L	ORC4L	7.410357	7.703335	7.278377	7.69504	7.446142	7.872954	7.36226	7.478588	7.46945	7.507678	7.266854	7.220619
ORC5L	ORC5L	7.841959	8.333127	7.906116	7.985359	7.911804	8.311417	7.805575	7.785578	7.785767	7.704325	7.545466	7.517907
ORC6L	ORC6L	13.46878	14.15746	13.6165	14.07253	13.89921	13.79148	13.91358	13.52653	13.75943	13.55153	12.97211	13.55256
ORF1-FL4	ORF1-FL4	8.35371	8.608927	8.183435	8.139614	8.390018	10.21158	9.922553	10.09291	10.2667	10.36355	10.71802	10.09193
ORM1	ORM1	6.787561	6.965528	6.791378	6.941091	7.007494	6.966564	6.850842	7.016496	6.868026	6.82083	6.853093	6.799321
ORM2	ORM2	7.249486	7.591281	7.145259	7.013517	6.995291	6.93092	6.831275	6.950516	6.851477	6.909036	6.808324	6.743169
ORMDL1	ORMDL1	9.355057	10.05212	9.473896	9.800384	9.622865	10.19209	9.869616	9.680936	9.781827	9.702843	9.542033	9.447923
ORMDL2	ORMDL2	6.979667	7.539329	7.135851	7.224269	7.304842	7.299381	7.153189	7.154457	7.164255	7.156031	7.138402	7.069235
ORMDL3	ORMDL3	7.470974	8.34823	7.842754	7.819611	7.874825	8.160365	8.408809	8.495322	8.322273	8.463321	8.046349	7.862732
OS9	OS9	7.469192	7.533086	7.368482	7.829513	7.621578	7.68702	7.46965	7.629956	7.531413	7.637346	7.615338	7.575128
OSAP	OSAP	7.914012	7.476555	7.025078	7.675766	8.462795	8.575187	7.543471	7.408415	7.454592	7.400983	7.550127	7.333675
OSBP	OSBP	11.34676	11.45002	10.66057	11.21482	11.16038	11.66976	11.0141	10.96095	10.99407	10.81526	10.62537	10.8384
OSBP2	OSBP2	7.13552	7.702164	7.002734	7.154803	7.791162	8.539485	9.283897	9.598771	9.396777	9.564506	8.563774	8.698997
OSBPL10	OSBPL10	10.30064	10.5589	8.352282	9.067724	9.176868	9.351467	8.604748	8.338312	8.322085	8.034285	8.271515	8.104516
OSBPL11	OSBPL11	7.934375	8.468366	7.792527	8.336899	7.975273	8.230302	8.127676	7.894949	7.889516	7.878799	7.831432	7.956664
OSBPL1A	OSBPL1A	9.969167	9.946008	8.963511	9.053501	9.051718	9.322493	8.936475	9.003517	9.193125	9.088868	8.795174	9.203982
OSBPL2	OSBPL2	7.805542	8.151736	7.501721	8.239398	8.382292	8.736288	8.522519	8.459448	8.543549	8.467181	8.111846	8.536934
OSBPL3	OSBPL3	7.567264	7.465388	7.993156	7.664109	7.482785	8.227228	7.610362	7.739873	7.557436	7.592378	7.328066	7.373646

OSBPL5	OSBPL5	7.542521	7.714439	7.561542	8.016653	8.088308	8.354111	8.122393	8.24784	8.284563	8.169199	8.210518	8.247184
OSBPL6	OSBPL6	7.390095	7.754046	7.352048	7.517062	7.241811	7.251263	7.177403	7.251224	7.319227	7.272188	7.342074	7.176889
OSBPL7	OSBPL7	7.363406	7.514498	7.202172	7.622518	7.529807	7.571825	7.43904	7.672172	7.528042	7.563811	7.389642	7.223861
OSBPL8	OSBPL8	8.439899	8.926913	8.452696	9.143786	8.575828	8.759766	8.394602	8.313184	8.273697	8.256254	8.293327	8.984472
OSBPL9	OSBPL9	9.478391	9.868431	9.800233	10.55007	10.33861	10.88081	10.18136	10.364	10.07842	10.14044	10.0812	9.717841
OSCAR	OSCAR	7.114236	7.318101	6.859136	7.164508	7.012543	7.341972	7.107091	7.00886	7.034129	7.072501	6.909484	7.01809
OSGEP	OSGEP	8.291552	9.221879	8.333131	8.670091	8.548701	8.912131	8.562476	8.302376	8.532232	8.371215	7.869828	8.114425
OSGEPL1	OSGEPL1	8.034534	8.026216	7.531016	7.712741	7.941436	8.530913	8.205168	8.267996	8.285282	8.298979	8.028152	8.102663
OSGIN1	OSGIN1	6.993846	7.331243	6.928512	7.149233	7.128139	7.317376	7.099181	7.077054	7.169621	7.277021	7.220003	7.621828
OSM	OSM	6.834982	6.99641	6.864134	6.921511	6.847236	7.07762	6.775974	6.958016	6.878507	6.927058	6.797195	6.887057
OSMR	OSMR	6.929488	7.116871	6.818837	7.120147	6.801397	6.797252	6.825697	7.030836	6.887506	7.062628	7.525856	7.432613
OSR1	OSR1	6.919038	7.002648	7.151123	9.786647	9.926134	10.63438	10.21206	9.891071	9.883249	8.946005	8.321908	7.871587
OSR2	OSR2	6.864828	7.077924	6.940744	7.025978	6.921066	6.984506	6.849971	6.951745	6.997999	6.939032	6.808014	6.867174
OSRF	OSRF	7.460506	8.058356	7.574022	8.213265	8.304923	8.656556	8.279607	8.239113	8.616029	8.360472	8.080377	8.205457
OSTALPH/	OSTALPH/	7.959215	7.878402	7.134164	7.147614	6.947343	6.880765	6.906903	6.956394	6.971868	6.887458	6.767417	6.898488
OSTBETA	OSTBETA	6.782088	7.053897	6.687185	7.016242	6.923035	6.908496	6.851092	6.896974	6.831664	6.832571	6.691317	6.841533
OSTF1	OSTF1	9.133446	9.704161	9.325219	9.114193	9.343516	9.875626	9.246159	9.424833	9.383998	9.206867	9.691532	9.21326
OSTM1	OSTM1	7.561337	8.084477	7.587978	7.839485	7.832109	8.628955	8.149975	8.269409	8.222934	8.357399	8.299355	7.932798
OSTN	OSTN	6.859756	7.046513	6.750696	6.966451	6.838115	6.797049	6.773182	6.83584	6.754588	6.884179	6.699683	6.718923
OTC	OTC	6.866542	7.050858	6.782356	7.059727	6.819758	6.999602	6.819315	6.830589	6.895214	7.029931	6.789456	6.789883
OTEX	OTEX	6.851349	7.065223	6.792642	7.155557	6.960133	7.19696	7.16991	7.078017	7.029258	7.034761	6.727374	6.898555
OTOA	OTOA	6.865361	6.985509	6.738798	6.962738	6.883032	6.915223	6.822793	6.912599	6.844745	6.919704	6.75054	6.818291
OTOF	OTOF	6.919208	7.03968	6.87976	6.984355	6.934255	6.941382	6.82152	6.91153	6.895064	6.896101	6.871144	6.844185
OTOG	OTOG	6.898454	7.035548	6.841315	7.099576	6.976874	7.142303	6.963579	6.942372	6.93029	7.022636	6.773218	6.889203
OTOP1	OTOP1	6.956747	7.220667	6.91541	7.222984	7.087474	7.196231	7.036415	7.06871	7.013887	7.130766	6.959173	6.982402
OTOP2	OTOP2	6.824544	6.990067	6.770753	7.030658	6.956028	6.892454	6.804096	6.926304	6.866091	6.906129	6.891394	6.808022
OTOP3	OTOP3	6.927955	7.026998	6.84773	7.061716	6.962215	7.074485	6.850071	6.906985	6.965235	7.021106	6.773817	6.978216
OTOR	OTOR	6.8466	7.029906	6.766697	7.071647	6.957456	6.9752	6.907326	6.946376	6.900745	7.045223	6.800085	6.83913
OTOS	OTOS	6.794269	7.049901	6.783608	6.904547	7.030924	6.940131	6.832836	6.980356	6.89773	6.86164	6.804566	6.783183
OTP	OTP	7.015132	7.208827	6.946252	7.175616	7.068686	7.157807	7.125208	7.051029	7.03304	7.094511	6.978443	7.015895
OTUB1	OTUB1	8.255454	8.354547	8.006996	8.235265	8.312984	8.641009	8.22926	8.112914	8.127947	8.196648	7.920152	8.062454
OTUB2	OTUB2	7.350029	7.498234	7.125335	7.30097	7.339721	7.246434	7.192007	7.249161	7.213205	7.10229	7.043578	7.14601
OTUD1	OTUD1	7.222892	7.396395	7.094854	7.640726	7.558311	8.007297	7.595114	7.599798	7.517639	8.046629	7.659346	8.040149
OTUD3	OTUD3	7.279451	7.412282	7.10912	7.408913	7.292939	7.450232	7.062967	7.117132	7.144163	7.130558	7.109835	7.069939
OTUD4	OTUD4	7.570476	7.853708	7.44713	7.739394	7.705985	7.816646	7.583835	7.745024	7.519354	7.596934	7.543898	7.822202
OTUD5	OTUD5	7.154032	7.755959	7.242555	7.477233	7.474629	7.534869	7.527463	7.294003	7.314647	7.342367	7.242544	7.277313

OTUD6A	OTUD6A	6.831185	7.074301	6.961568	7.088318	6.91634	7.1155	6.982113	6.997341	6.911399	6.952285	6.766077	6.916946
OTUD6B	OTUD6B	9.236675	9.692551	8.791461	8.90936	8.410761	8.897975	8.451217	8.39822	8.468701	8.254685	8.20725	8.151472
OTUD7	OTUD7	6.7728	7.005639	6.725578	6.944946	6.884667	6.827476	6.713488	6.935612	6.802294	6.817177	6.674641	6.763719
OTUD7A	OTUD7A	7.079312	7.311424	6.924351	7.102531	7.106813	7.082778	6.933646	7.144719	6.919129	7.097536	6.879668	7.046578
OTX1	OTX1	6.964167	6.935034	6.945487	6.899869	6.836693	6.690574	6.717621	6.814953	6.913984	6.69206	6.650928	6.739716
OTX2	OTX2	9.302146	10.11874	9.763917	7.85758	7.129679	7.05802	6.934449	7.000501	6.916117	6.931352	6.825649	6.824122
OVCA2	OVCA2	7.149961	7.247637	6.939118	7.224997	6.973586	7.258661	7.112229	7.196599	7.081062	7.192876	6.964209	6.923061
OVCH1	OVCH1	6.93392	7.085124	6.738098	6.990855	7.026608	6.998989	6.90924	6.914101	6.902668	7.026324	6.793608	6.882262
OVCH2	OVCH2	6.866267	6.861876	6.729929	6.887735	6.927941	7.000375	6.828659	6.816486	6.839896	7.037484	6.700748	6.898817
OVGP1	OVGP1	8.208497	8.226039	8.055448	8.303092	8.354226	8.983993	7.914608	7.823597	7.848728	7.858643	7.633051	7.791739
OVOL1	OVOL1	7.015587	7.060423	6.851331	7.044402	6.966831	6.945808	6.85065	7.00818	6.82581	6.970329	6.809771	6.750238
OVOL2	OVOL2	9.707176	9.72213	9.286518	8.92138	7.719569	6.929034	6.878171	6.961097	7.072427	6.954244	6.840345	6.806254
OVOS	OVOS	6.938844	7.106091	6.986101	7.099244	7.023635	7.087313	7.015999	7.082006	6.98837	7.072154	6.850226	6.954259
OVOS2	OVOS2	6.998413	7.17209	6.936268	7.113114	6.999936	7.080155	6.918831	6.982378	7.027515	7.023176	6.824617	6.963456
OXA1L	OXA1L	10.26476	10.44387	9.944763	9.985239	10.20106	11.09574	10.54142	10.6223	10.46106	10.64797	10.32345	10.14216
OXCT1	OXCT1	8.553218	8.772684	8.184653	8.754086	8.901255	10.2051	10.00213	10.09309	9.863228	10.16366	9.692351	9.845531
OXCT2	OXCT2	8.046413	7.51658	7.063072	7.175185	7.066381	7.199988	6.993253	7.04292	6.909562	7.055629	6.985949	6.887258
OXER1	OXER1	6.926722	7.042833	6.877516	7.082336	7.062844	6.878693	6.819318	6.991265	6.840005	6.852867	6.696081	6.809468
OXGR1	OXGR1	7.007418	7.278834	7.010873	7.019306	6.977697	7.048583	6.924737	7.037176	7.002617	7.101937	6.87083	6.835361
OXR1	OXR1	9.308328	9.411453	9.130865	10.11425	10.69185	11.40254	11.00494	11.21957	11.21402	11.10371	10.82807	10.61755
OXSM	OXSM	7.050543	7.377822	7.098315	7.376694	7.428873	7.830255	7.612671	7.62788	7.654821	7.686881	7.444884	7.500326
OXSR1	OXSR1	10.64158	10.69475	10.28301	10.63453	10.49669	10.79748	10.02026	10.27532	10.12698	9.964362	10.29726	10.03303
OXT	OXT	7.061717	7.080491	6.860744	6.919077	6.888301	6.954254	6.824854	6.910572	6.863567	6.874739	6.754861	6.93395
OXTR	OXTR	7.733095	7.955167	7.261977	7.752932	7.400479	7.587915	7.164576	7.153654	7.095293	7.158633	7.169066	7.241935
P11	P11	6.938459	7.244247	6.877718	7.102614	7.074236	7.11894	6.94727	7.027916	7.06148	7.016173	6.918878	7.036971
P15RS	P15RS	11.35285	11.18533	10.86325	10.86828	10.43524	10.78522	10.11437	10.23249	10.08825	10.06674	9.904339	9.891672
P18SRP	P18SRP	7.411639	7.538431	7.265019	7.375904	7.141797	7.482009	7.068425	7.297988	7.15981	7.113094	7.08187	7.149259
P2RX1	P2RX1	7.189299	7.402192	6.93699	7.226382	7.111232	7.328304	7.963629	8.929801	8.411986	9.492005	9.23657	8.593574
P2RX2	P2RX2	7.261911	7.574616	7.149249	7.11741	6.941639	6.882335	6.884843	6.93635	6.966414	6.846193	6.793997	6.828684
P2RX3	P2RX3	6.944448	7.109425	6.854374	7.112737	6.969711	7.032768	6.911652	6.996454	6.991183	6.957294	6.881363	6.898192
P2RX4	P2RX4	7.64664	7.731707	7.890181	8.030857	7.73009	8.047585	7.587869	7.694384	7.643295	7.633287	7.568685	7.352929
P2RX5	P2RX5	7.139206	7.247846	6.831823	7.078559	7.011342	7.040592	6.922669	7.02175	7.036212	7.000065	6.876065	6.96367
P2RX7	P2RX7	7.571165	7.944138	7.495004	7.923422	7.846541	8.281171	8.007677	7.994243	8.13356	8.053037	7.655704	8.088963
P2RXL1	P2RXL1	6.910306	7.078553	6.669122	7.066003	6.999232	7.036656	6.862675	6.852426	6.796921	6.830997	6.834152	6.907017
P2RY1	P2RY1	7.003888	7.132867	7.014312	7.074486	7.166388	7.217896	7.029844	7.04685	6.880689	6.912936	6.908275	6.787588
P2RY10	P2RY10	6.944612	7.190739	6.902133	7.14336	7.00078	7.112876	6.909402	7.003713	6.95882	7.00968	6.795468	6.933273

P2RY11	P2RY11	7.757726	8.295322	7.856552	7.960827	8.022646	7.934163	7.600183	7.4997	7.495731	7.539433	7.247187	7.491985
P2RY12	P2RY12	6.847381	7.029739	6.884614	6.946355	6.935312	7.036102	6.942684	6.879091	6.969294	6.969799	6.861062	6.914259
P2RY13	P2RY13	6.812411	7.041955	6.836508	7.026865	6.929089	6.926647	6.893241	6.93127	6.879441	6.903817	6.820449	6.794952
P2RY14	P2RY14	6.863342	6.981083	6.69869	6.916287	6.841941	6.976921	6.91946	7.079843	6.995481	7.027126	6.788254	6.911388
P2RY2	P2RY2	7.04655	7.196949	6.962134	7.159416	7.056609	7.12296	6.972089	6.990388	6.949806	6.946783	6.882605	6.935205
P2RY4	P2RY4	6.796365	7.037413	6.817872	7.009793	6.988994	7.140674	6.813362	6.931493	6.958359	7.057001	6.824014	6.951866
P2RY5	P2RY5	7.458663	8.253511	8.16796	8.455531	8.204696	7.438458	7.255648	7.142118	7.338495	7.008844	7.212311	7.149009
P2RY6	P2RY6	6.936333	7.296959	7.032017	7.339347	7.121637	7.227488	7.17841	7.14571	7.195191	7.247613	7.00282	7.142084
P2RY8	P2RY8	6.934194	6.900945	6.754113	6.949664	6.906924	6.791453	6.835018	6.939627	6.745752	6.799048	6.768448	6.877371
P4HA1	P4HA1	8.260794	8.534268	8.548937	10.06801	10.1561	8.854629	8.851706	8.849227	9.178536	8.848878	9.43364	9.687122
P4HA2	P4HA2	7.668919	7.656242	7.893952	9.077576	9.438539	8.565839	9.034148	9.694161	9.532379	9.383998	10.32994	9.960701
P4HA3	P4HA3	6.791082	6.997605	6.855264	7.010923	6.839739	6.991333	6.940891	6.953327	6.943936	7.109752	6.968815	6.898716
P4HB	P4HB	11.24401	11.48411	11.46703	12.07562	11.9516	11.47215	11.44368	11.835	11.65341	11.66457	12.38478	11.72549
P518	P518	6.813482	6.973575	6.922788	6.953506	6.876787	6.936926	6.802155	7.040387	6.819141	6.88789	6.684566	6.896721
P53AIP1	P53AIP1	6.857929	7.027082	6.732153	6.949506	6.928467	6.912337	6.887878	6.899918	6.866018	6.927328	6.801393	6.873382
P8	P8	6.90569	7.209284	6.999546	7.236008	7.120712	7.047929	7.199323	7.508362	8.245837	7.809012	8.471428	8.859881
PA2G4	PA2G4	10.47244	10.77028	10.13273	10.04473	9.466156	10.18316	9.621513	9.768083	9.462136	9.76212	9.937419	9.412806
PA2G4P4	PA2G4P4	6.926734	7.158688	6.841388	6.935394	7.092028	7.207656	6.943633	6.929591	6.885484	6.991749	6.824067	6.878565
PABPC1	PABPC1	12.90186	13.18689	12.36041	12.702	12.15226	11.47799	11.14154	11.12629	11.29033	11.08031	11.30896	10.89866
PABPC3	PABPC3	7.231563	7.390078	6.959369	7.227199	6.976119	6.877883	6.935856	6.963657	6.906846	6.882644	6.929303	6.807299
PABPC4	PABPC4	11.4206	11.69694	10.96983	11.08752	10.9767	11.16278	10.71145	10.9566	10.84148	11.00366	10.97349	10.68863
PABPC5	PABPC5	7.056787	7.224668	7.06207	7.467519	7.323883	8.086328	7.523775	7.562122	7.546664	7.438243	7.184094	7.281459
PABPN1	PABPN1	11.19924	11.92949	11.12444	11.38842	11.18903	11.53277	10.82725	10.56721	10.50096	10.3526	10.14043	10.20676
PACRG	PACRG	6.871477	7.061512	6.819036	7.089387	6.97811	7.05686	7.000537	7.011707	6.999939	7.080829	6.836114	7.104105
PACS1	PACS1	7.318672	7.642422	7.227532	7.748237	7.796945	8.363371	8.049732	8.464048	8.116847	8.407915	9.286593	8.240245
PACS2	PACS2	7.708941	7.869434	7.298158	7.573327	7.711345	7.560686	7.314485	7.582608	7.566856	7.611404	7.551043	7.551206
PACSIN1	PACSIN1	9.336683	8.619128	7.72786	7.87458	8.243196	9.214576	8.179058	8.062408	8.333191	8.287058	7.746218	8.378209
PACSIN2	PACSIN2	10.92116	11.44796	10.73692	11.08378	11.17743	11.48659	11.25933	11.14589	11.21518	11.06463	11.05526	11.30332
PACSIN3	PACSIN3	8.180083	9.20892	8.309654	8.068157	8.339479	8.762146	8.041985	7.867609	7.823989	7.838781	8.021978	8.128861
PADI1	PADI1	6.862759	7.187102	6.875485	7.047542	6.90176	6.98513	7.01265	7.064087	7.070632	7.122841	6.835174	6.916673
PADI2	PADI2	6.928705	7.206132	6.92288	7.12548	7.00579	6.980454	6.910242	7.013372	7.046767	6.889546	6.905669	6.911701
PADI3	PADI3	7.027319	7.360797	6.872504	7.070265	6.938762	6.933571	6.770944	6.974589	6.914756	6.941097	6.883115	6.791152
PADI4	PADI4	6.989368	7.257121	6.826	7.106219	6.912977	6.971006	6.924842	6.939717	6.829818	6.903355	6.762882	6.730675
PADI6	PADI6	6.907667	7.142011	6.996245	7.183037	7.102184	7.113308	7.004461	6.997264	6.987908	6.950953	6.794925	6.941594
PAEP	PAEP	6.837544	7.045709	6.818758	7.1297	6.969283	6.939483	6.89885	6.904625	6.845832	6.972971	6.714547	6.828148
PAF1	PAF1	9.356361	9.465406	8.982508	9.824333	9.885052	10.69449	10.44504	10.39192	10.36684	10.43713	9.950218	10.35273

PAFAH1B1	PAFAH1B1	8.981214	9.681494	9.455364	10.28368	10.03381	10.57481	10.18734	10.33544	10.10431	10.29734	10.21017	10.38052
PAFAH1B2	PAFAH1B2	7.438835	8.024549	7.473439	7.650759	7.482381	8.028047	7.599636	7.578614	7.645976	7.737358	7.729373	7.692568
PAFAH1B3	PAFAH1B3	12.00324	12.04018	11.29127	11.88672	11.46238	10.73977	10.61893	10.45476	10.69051	10.30453	9.760872	9.345422
PAFAH2	PAFAH2	7.698876	8.133426	7.256753	7.621645	7.42856	8.048057	7.859019	8.070481	7.725958	8.079739	8.255089	8.340631
PAG1	PAG1	6.914233	7.292205	7.107442	8.239468	8.647427	8.079074	8.207657	8.272667	8.252368	8.394845	7.974913	8.053025
PAGE1	PAGE1	6.767046	6.93753	6.680935	6.924452	6.87622	6.788771	6.838123	6.953109	6.751601	6.763409	6.742767	6.738749
PAGE2	PAGE2	6.781039	6.894417	6.720765	7.061015	6.847473	6.880154	6.863468	6.936436	6.931847	6.744523	6.85456	6.765043
PAGE2B	PAGE2B	6.894078	7.083311	6.813435	6.954763	6.974113	6.877434	6.822026	6.800476	6.83898	6.854134	6.755832	6.9063
PAGE3	PAGE3	6.840717	7.12437	6.847413	7.037711	7.032446	7.005956	6.813646	6.900299	6.971617	6.925927	6.768055	6.892445
PAGE4	PAGE4	6.867239	7.11517	6.737078	9.268874	8.804553	6.995588	6.78262	6.998284	6.94395	7.024847	6.781408	6.91228
PAGE5	PAGE5	6.962057	7.056999	6.837267	7.008143	6.879281	6.889017	6.835838	6.967765	6.935532	6.945723	6.782699	6.841989
PAH	PAH	6.984929	7.221479	6.732351	7.019803	7.050646	6.972987	6.853544	6.904566	6.86929	6.89677	6.713634	6.762376
PAICS	PAICS	12.68888	12.782	12.406	12.2311	11.75207	11.7129	10.69799	10.7187	10.50061	10.30703	10.31087	9.939916
PAIP1	PAIP1	7.282126	7.592353	7.524408	7.727207	7.334183	7.446658	7.159411	7.256375	7.204269	7.145442	7.144301	7.132807
PAIP2	PAIP2	10.76102	10.96344	10.54524	10.18503	10.27773	11.19329	10.74599	11.02803	10.9265	11.04262	10.87459	10.55523
PAK1	PAK1	10.05846	10.15121	8.978951	8.934967	8.414075	8.351252	7.926636	8.018158	8.143081	7.779856	7.907277	8.008128
PAK1IP1	PAK1IP1	10.42378	10.6878	9.885382	9.511924	9.197351	9.546641	8.703863	8.924685	9.087795	8.810873	9.044425	8.90264
PAK2	PAK2	8.213561	8.559618	8.073588	8.805332	8.454351	8.372433	8.079337	8.102862	8.092399	8.099028	8.178593	8.388096
PAK3	PAK3	6.894074	7.20909	6.977829	7.006475	7.006414	6.972879	6.949664	7.042259	7.112077	6.924393	6.836316	6.926781
PAK4	PAK4	7.795472	7.890619	7.594571	8.097548	8.119296	8.023854	7.741073	7.819031	7.700847	7.803842	7.569721	7.533975
PAK6	PAK6	7.570153	7.801083	7.020778	7.140608	7.227839	7.385686	7.220188	7.196895	7.161373	7.179609	7.075168	7.218428
PAK7	PAK7	7.094655	7.288293	6.9365	7.144726	7.106797	7.125676	6.998143	7.039938	7.116788	7.064427	6.872536	6.864101
PALLD	PALLD	9.614545	10.32573	9.606535	11.60887	11.62654	12.59325	12.43134	12.65383	12.25861	12.51529	12.27876	12.19385
PALM	PALM	8.272014	8.257983	8.410373	9.275598	9.460407	8.99544	8.906995	8.823305	9.006372	8.675849	8.522285	8.730354
PALM2	PALM2	6.89559	7.190891	6.791584	7.382886	8.051922	9.576078	8.511228	8.28568	8.143348	8.100555	7.572949	7.575734
PALM2-AK	PALM2-AK	6.935652	7.151381	6.828859	7.142954	7.062984	7.43915	7.165984	7.181832	7.095076	7.176063	6.924207	7.179927
PALMD	PALMD	6.865163	7.149448	6.841182	6.975524	6.979569	7.094348	6.891456	7.084823	6.887511	7.118168	6.814819	6.967084
PAM	PAM	11.36785	11.76062	11.4397	13.07527	13.04727	14.24343	14.17739	14.60788	14.34443	14.6543	14.23618	14.21748
PAMCI	PAMCI	6.856133	7.081552	7.111877	7.13449	7.020306	7.014302	6.899503	7.033313	6.89803	7.190364	6.90826	6.935159
PAN3	PAN3	10.22204	10.59415	10.73238	10.18982	9.992982	9.80611	9.206672	9.039131	9.358452	8.743187	8.523196	8.449523
PANK1	PANK1	9.6115	9.828351	9.146705	9.664315	9.648693	9.859401	9.256503	9.017644	8.923637	8.783121	8.126948	8.550876
PANK2	PANK2	9.754667	10.19155	9.558514	9.331683	9.257359	9.434716	8.770119	8.93165	8.885033	8.68281	8.824454	8.485015
PANK3	PANK3	7.82304	8.050439	7.621372	7.867825	7.73277	8.166264	7.837201	7.911464	7.797148	7.791271	7.665146	7.621341
PANK4	PANK4	7.679031	7.800325	7.550488	7.773337	7.817248	8.408544	8.273234	8.324606	8.365804	8.651865	8.250554	8.462587
PANX1	PANX1	8.071661	8.308098	7.937484	7.961517	7.732793	7.864748	7.725323	8.020995	7.734944	7.911416	8.128458	7.791767
PANX2	PANX2	8.835354	9.104482	8.183449	9.254395	9.663452	9.82957	9.239943	8.833543	8.713032	8.761166	8.411382	8.911833

PANX3	PANX3	7.052651	7.178688	6.937614	7.137395	7.06124	7.171071	6.968791	7.04695	7.03256	7.051532	6.820265	7.016641
PAOX	PAOX	7.819286	7.999234	7.534211	8.122528	7.998735	8.319415	7.876015	7.667883	7.777398	7.62895	7.395379	7.84334
PAP2	PAP2	7.967044	8.137658	7.772713	9.118554	7.674271	7.260763	6.929197	6.890588	7.220806	6.903179	6.723202	6.692135
PAP2D	PAP2D	7.032517	7.080964	6.81225	7.261025	6.928277	6.944618	6.812378	6.868496	6.84594	6.897558	6.759036	6.730051
PAPD1	PAPD1	9.766983	10.10276	9.565714	9.42034	9.224136	9.726224	9.12897	9.067909	9.063274	8.908136	8.727144	9.001498
PAPD4	PAPD4	9.165018	9.761902	9.270063	10.00932	9.974601	10.48845	9.76232	9.873221	9.69292	9.392171	9.411446	9.200731
PAPD5	PAPD5	9.151373	9.289909	8.983675	9.157586	8.955492	9.645997	8.962875	8.697172	8.883484	8.466617	8.129722	8.68292
PAPLN	PAPLN	7.832975	8.356642	7.0999	7.062603	6.884907	6.980563	6.89805	6.807935	7.002667	6.951339	6.752608	6.778138
PAPOLA	PAPOLA	12.08423	12.30257	11.83082	12.17052	11.56947	11.93174	11.23616	11.0798	11.2031	10.87133	10.60082	11.05017
PAPOLB	PAPOLB	6.875918	7.068482	6.822081	7.05861	6.890236	6.997918	6.921891	6.915255	6.973741	6.863714	6.683184	6.764765
PAPOLG	PAPOLG	7.461526	7.770933	7.310865	7.643495	7.474439	7.724731	7.377636	7.429908	7.415832	7.511188	7.131967	7.401321
PAPPA	PAPPA	6.940763	7.705559	7.936002	8.829813	10.28474	8.817059	9.51681	10.46249	10.42228	10.2161	11.26945	8.900944
PAPPA2	PAPPA2	6.805183	7.042157	6.786654	6.966801	6.922	6.949887	6.89899	6.967282	6.89717	6.931486	6.872607	6.810298
PAPSS1	PAPSS1	10.30991	10.50114	10.74094	10.84845	10.53229	9.937302	9.533002	9.403957	9.630263	8.993249	9.479427	9.299336
PAPSS2	PAPSS2	9.503416	9.389287	8.58471	8.040837	8.159967	7.946857	7.904461	8.18942	8.205858	8.056607	9.077614	9.22483
PAQR3	PAQR3	9.364235	9.642855	9.424522	9.25676	8.783283	9.118984	8.633346	8.912418	8.841052	8.833622	8.909303	8.672761
PAQR4	PAQR4	10.10686	10.31891	9.580253	9.111242	8.847709	8.936539	9.022266	8.872629	9.164693	9.07054	8.379745	8.353876
PAQR5	PAQR5	7.345477	7.433041	6.910197	7.118757	6.930248	6.986595	6.860807	6.953413	6.877734	6.877923	6.734712	6.933985
PAQR6	PAQR6	7.428331	7.67555	7.494653	7.897972	8.010345	8.962344	8.504107	8.317443	8.235999	8.1531	7.338978	7.300513
PAQR7	PAQR7	7.585638	8.005303	7.871319	8.048315	8.159535	7.857282	7.630501	7.653971	7.589538	7.524117	7.533141	7.78116
PAQR8	PAQR8	8.625358	8.84385	8.60844	10.37268	9.881895	8.931425	8.564084	8.32292	8.203304	7.986957	7.316411	7.639476
PAQR9	PAQR9	7.366238	7.352189	7.107475	7.147509	6.94318	7.043499	6.896254	7.026082	6.913422	7.057314	6.734643	7.012522
PARC	PARC	7.067807	7.377439	7.095263	7.424326	7.310005	7.376476	7.183215	7.20393	7.330276	7.218007	7.045541	6.998361
PARD3	PARD3	7.283787	7.41812	7.034735	7.22503	7.057811	7.221926	7.09685	7.179101	7.158453	7.235988	7.011119	7.041211
PARD3B	PARD3B	6.958118	7.057978	6.71287	7.061373	6.964606	7.089809	6.982538	7.030495	6.980179	6.824375	6.745004	6.883018
PARD6A	PARD6A	8.07877	8.256239	7.279938	7.237134	7.039279	7.256231	7.149158	7.126653	7.21076	7.157497	7.042322	7.21076
PARD6B	PARD6B	7.073566	7.32475	6.91256	7.408142	7.400025	7.208557	7.159276	7.082654	7.055157	7.12571	6.783136	6.978999
PARD6G	PARD6G	7.633763	7.548351	7.546519	8.04946	7.833113	7.70787	7.339777	7.35122	7.251383	7.192002	7.027732	7.172418
PARG	PARG	7.827976	8.088753	7.66843	8.163706	8.169643	8.163956	7.607145	7.764299	7.527723	7.523138	7.491354	7.563229
PARK2	PARK2	6.832848	7.032819	6.767954	7.050703	6.994898	7.089597	6.912287	7.156737	6.882394	7.191957	6.945313	7.058718
PARK7	PARK7	12.66295	13.17622	12.74814	12.73952	12.50069	13.00921	12.7307	12.68028	12.89263	12.95166	12.55636	12.4237
PARL	PARL	10.69192	11.12542	10.47799	10.45508	10.41502	10.99552	10.26982	10.32597	10.28917	10.32514	10.19684	9.899009
PARN	PARN	9.901678	10.46283	9.381356	9.501472	9.041123	9.532984	9.367093	8.954909	9.060248	8.992198	8.657326	8.987339
PARP1	PARP1	13.12391	13.72326	12.21484	12.13955	11.83497	12.38049	12.15997	12.07164	11.90196	12.09002	11.27874	11.62509
PARP10	PARP10	6.922168	7.161535	6.867756	7.169167	7.12292	7.111994	6.960001	7.03474	7.004869	7.126955	6.874072	6.998752
PARP11	PARP11	7.377076	7.708759	7.625923	8.102461	7.956611	7.915064	7.383065	7.394404	7.386863	7.398169	7.22712	7.217431

PARP12	PARP12	8.101514	8.417606	7.358383	7.404181	7.392678	7.287735	7.761284	7.982363	7.712701	8.241353	8.057101	8.228177
PARP14	PARP14	8.103615	8.624084	7.58791	7.802219	8.117977	7.353825	7.555069	7.561925	7.784471	7.68945	7.49432	7.825903
PARP15	PARP15	6.995771	7.147354	6.839348	6.904189	6.905859	6.970779	6.888897	7.075347	6.915992	7.020428	6.777963	6.759352
PARP16	PARP16	7.225228	7.279441	7.093182	7.515488	7.537474	7.579654	7.413668	7.613738	7.457971	7.342111	7.378372	7.29328
PARP2	PARP2	8.909236	9.45929	8.811335	8.747558	8.588835	9.083566	8.978085	9.113424	9.050755	9.075868	8.646027	8.645916
PARP3	PARP3	7.201395	7.511355	7.156268	7.573573	7.891547	8.465407	8.120132	8.005802	8.035023	8.101962	7.903843	8.21048
PARP4	PARP4	10.10972	10.56952	9.815019	10.01894	9.810612	9.946593	9.735092	9.933382	9.633993	9.716069	9.87233	9.72888
PARP6	PARP6	7.305215	7.59777	7.554451	7.773176	7.686351	7.630605	7.491736	7.522511	7.635512	7.463972	7.360385	7.420134
PARP8	PARP8	7.849201	7.967838	7.47527	7.648405	7.557491	7.821909	7.512377	7.54616	7.504559	7.429485	7.623733	7.620893
PARP9	PARP9	7.501933	7.764857	7.22484	7.359911	7.507236	7.518924	7.736712	8.050015	8.146116	8.203239	8.434928	8.260961
PARS2	PARS2	7.280446	7.717686	6.970978	7.322287	7.204639	7.353924	7.301454	7.138941	7.228456	7.331909	7.035634	7.16354
PART1	PART1	6.83505	7.025744	6.82813	6.990516	6.865807	6.904792	6.745437	6.94703	6.835852	6.847583	6.790398	6.81951
PARVA	PARVA	7.183243	7.315496	7.489341	8.371218	8.306355	8.233635	7.884836	8.286247	8.122555	8.259224	8.658595	8.002403
PARVB	PARVB	7.362493	7.472142	7.110799	7.432676	7.325861	7.613964	7.317213	7.407016	7.261211	7.267778	7.259675	7.17297
PARVG	PARVG	6.915998	7.322839	6.858438	6.980061	6.974268	6.990154	6.870616	6.870621	6.987376	7.095286	6.895518	6.840574
PASD1	PASD1	6.756748	6.941758	6.688697	6.911903	6.858015	6.958282	6.874395	6.955988	6.860355	6.934997	6.817637	6.710135
PASK	PASK	8.593842	8.693269	8.262903	8.053386	7.633873	7.633009	7.222767	7.250634	7.289	7.348832	6.986045	7.02856
PATE	PATE	7.065628	7.188001	6.946402	7.120196	7.133916	7.081621	6.975909	7.05313	7.020889	7.139287	6.92407	6.985097
PATZ1	PATZ1	7.200869	7.404202	6.987981	7.153984	6.929627	7.158004	6.988156	7.051621	7.043398	7.034191	6.993093	6.978011
PAWR	PAWR	10.13146	10.20835	8.922632	9.034473	8.994211	9.80191	8.667874	8.855494	8.56287	8.536071	9.053245	8.466127
PAX1	PAX1	6.931855	7.04336	6.852627	7.100961	6.978904	7.033066	6.840964	7.014495	6.805871	6.893843	6.87004	6.894353
PAX2	PAX2	6.88768	7.120782	6.875785	7.110213	6.943339	6.943632	6.919462	7.000002	6.919773	6.980017	6.824675	6.9097
PAX3	PAX3	6.85499	6.968287	6.796119	7.005676	6.880514	6.980919	6.825488	6.887298	6.846186	6.890156	6.754632	6.793793
PAX4	PAX4	6.917906	7.084936	6.803625	7.039973	6.962949	7.029538	6.95235	7.11693	6.938486	6.992891	6.865891	6.790829
PAX5	PAX5	6.797411	7.090713	6.801305	7.119823	6.921963	6.801703	6.843704	6.884745	6.902307	6.81415	6.673312	6.750016
PAX6	PAX6	6.897631	7.097349	6.810425	7.0351	6.98654	6.970398	6.919027	7.054284	6.98209	6.962652	6.868805	6.897046
PAX7	PAX7	8.615851	9.065724	8.783158	8.814355	8.720718	8.68192	8.75225	8.640531	8.823312	8.786051	8.543619	8.530124
PAX8	PAX8	6.924009	7.145625	6.84654	7.013153	6.98731	6.997879	6.934438	6.971177	6.909475	6.936212	6.797306	6.892769
PAX9	PAX9	7.08876	7.253819	7.011268	7.150938	6.951389	7.002981	6.994155	7.05098	7.025836	6.958322	6.770899	6.93234
PAXIP1	PAXIP1	10.49402	10.36329	10.006	10.02049	9.659766	9.408476	8.932649	8.844212	8.837173	8.662059	8.056136	8.35164
PB1	PB1	7.405576	7.831298	7.571802	7.813561	7.551099	7.609499	7.310858	7.452382	7.305298	7.41187	7.220824	7.321815
PBEF1	PBEF1	7.9793	8.19203	7.823657	7.885089	7.672233	8.436499	8.030173	8.372665	8.346248	8.519466	8.729983	8.824108
PBK	PBK	8.137678	8.34297	8.574846	9.543345	9.573811	10.34378	10.05509	9.659717	9.820935	9.748665	8.57026	7.951211
PBOV1	PBOV1	6.875808	7.024559	6.842618	7.04315	6.903617	6.942448	6.868385	7.024562	6.854998	6.979984	6.823123	6.880558
PBX1	PBX1	8.85433	9.941515	8.007903	8.95857	8.632852	8.697609	8.621893	8.401667	8.417916	8.578461	7.862199	8.632124
PBX2	PBX2	9.004226	9.76341	9.337812	9.480682	9.600722	9.904137	9.752506	9.129117	9.191004	8.987963	8.32307	9.092751

PBX3	PBX3	10.36199	11.14207	10.74271	11.42802	11.78474	11.85453	11.73842	11.94715	11.69914	11.07529	11.12868	10.7936
PBX4	PBX4	7.111448	7.289907	7.10763	7.466232	7.470341	7.361641	7.129609	7.176851	7.344581	7.042698	6.836257	6.790311
PBXIP1	PBXIP1	7.152869	7.264684	7.124408	7.361464	7.275317	7.601878	7.647249	7.51846	7.493101	7.709965	7.364032	7.323965
PC	PC	7.068239	7.457049	7.058206	7.263671	7.317018	7.254171	7.152491	7.150364	7.094118	7.205363	7.127955	7.072959
PC-3	PC-3	7.069103	7.343648	6.937595	7.003692	7.019392	7.024592	6.923644	6.979036	6.881363	7.010179	6.923342	6.79277
PCAF	PCAF	6.901527	7.095361	6.84962	7.189734	7.019414	7.123776	6.930938	7.065822	6.992135	7.038472	6.986441	7.068581
PCBD1	PCBD1	8.112152	8.686712	8.529808	8.745943	9.135775	10.40861	10.1147	10.02495	9.874313	10.05788	9.694182	9.424932
PCBD2	PCBD2	7.704229	8.085246	7.579924	7.963841	7.992042	8.070409	7.897021	7.573631	7.629008	7.531502	7.2671	7.388214
PCBP1	PCBP1	13.18404	13.43201	12.60883	12.74811	12.75974	13.283	12.77134	12.71027	12.75448	12.75823	12.51751	12.71433
PCBP2	PCBP2	12.97242	13.24803	12.78812	13.10976	13.00945	12.99112	12.66303	12.63933	12.59677	12.54993	12.30622	12.29762
PCBP3	PCBP3	7.163178	7.125366	6.848029	6.971867	7.027776	6.996734	6.943093	7.100906	7.034794	7.051205	7.018364	6.876883
PCBP4	PCBP4	8.084337	8.3551	8.096284	8.398897	8.244243	8.899852	8.503997	8.50131	8.570938	8.583732	8.433751	8.340873
PCCA	PCCA	9.806001	9.761465	9.211756	9.31181	9.133499	9.778532	9.313088	9.492902	9.321789	9.45643	9.103414	8.962831
PCCB	PCCB	11.1485	11.62734	10.76317	10.52751	10.44837	11.68256	11.13252	11.31811	11.14059	11.2529	11.1864	11.1319
PCDH1	PCDH1	7.167988	7.254078	6.932519	7.051751	6.945835	6.913571	6.894084	6.98088	6.911733	6.904672	6.770937	6.850708
PCDH10	PCDH10	7.020556	7.232554	8.462234	7.569724	7.291581	7.297335	7.146821	7.367054	7.31576	7.224589	7.853567	7.128169
PCDH11X	PCDH11X	7.286497	7.660962	7.077464	7.189174	6.997089	7.102614	6.930302	7.028422	6.991516	6.973334	6.830478	6.855239
PCDH11Y	PCDH11Y	7.089117	7.372699	6.894562	7.048811	6.901206	6.955265	6.882788	6.967314	6.946308	6.911012	6.776792	6.81888
PCDH12	PCDH12	7.045725	7.206472	6.87597	7.046867	7.077471	7.117255	7.173555	7.000915	7.135219	7.115088	6.872934	7.003128
PCDH15	PCDH15	6.943539	6.984975	6.768439	7.07476	6.885556	7.005332	6.99478	6.901623	6.864905	7.022308	6.824107	6.834372
PCDH17	PCDH17	7.455137	7.69979	10.42125	10.75946	9.649146	9.405674	7.852255	7.618011	8.51445	7.371427	7.014539	7.313117
PCDH18	PCDH18	10.24782	10.67189	9.109165	10.35986	10.74657	9.232094	8.624217	8.527665	9.735674	8.097423	8.016101	8.003115
PCDH19	PCDH19	7.460686	7.544925	10.21634	8.719941	8.435419	8.316545	7.225645	7.075101	7.788728	7.07184	6.992549	7.051462
PCDH20	PCDH20	7.349848	7.364157	7.81392	8.416549	8.726508	9.180286	9.352942	9.662352	9.152648	9.59706	9.698646	9.642846
PCDH21	PCDH21	7.078804	7.19154	6.933717	7.08779	6.944923	7.187316	7.069532	7.016407	6.928767	7.119981	6.976006	6.852714
PCDH7	PCDH7	7.104888	7.845798	8.404857	9.155447	8.493148	7.789647	7.369895	7.412384	7.166128	7.118895	7.030505	7.110089
PCDH8	PCDH8	6.85214	7.173989	6.991751	7.087953	6.95311	6.808022	6.89561	6.926973	6.927369	6.957346	6.854875	6.787574
PCDH9	PCDH9	6.881078	7.057066	6.791439	7.074862	7.012958	7.095175	7.047512	7.071824	7.103893	7.050168	6.887001	6.931878
PCDHA1	PCDHA1	6.802504	6.995202	6.810911	7.048184	6.925722	6.901134	6.755139	6.921581	6.819679	6.925223	6.718674	6.797557
PCDHA10	PCDHA10	6.88953	7.058593	6.80726	6.96685	6.910857	6.930107	6.874343	6.898385	6.810975	6.788909	6.727674	6.749673
PCDHA11	PCDHA11	6.97881	7.160705	6.962249	7.084526	7.139074	7.154135	7.039675	7.137898	7.004741	7.089966	7.008082	7.012894
PCDHA12	PCDHA12	7.03336	7.27896	6.936942	7.278828	7.236296	7.283697	7.069991	7.090041	7.085245	7.067116	6.934867	7.140439
PCDHA13	PCDHA13	6.823553	7.175058	6.803264	7.056757	6.990069	6.947334	6.8278	6.902536	6.851155	6.924975	6.874578	6.783143
PCDHA2	PCDHA2	6.876212	6.975632	6.826851	7.078094	6.97782	7.051348	6.830794	6.968981	6.917899	6.85304	6.775506	6.787554
PCDHA3	PCDHA3	6.965869	7.267892	6.88025	7.14527	7.086166	7.092205	6.863862	7.024547	7.045159	7.01598	6.866819	6.933132
PCDHA4	PCDHA4	7.706035	8.351617	7.48306	7.920208	8.066621	8.085363	7.829392	7.685673	7.923223	7.645283	7.407562	8.246084

PCDHA5	PCDHA5	7.315609	7.480244	7.353729	7.512734	7.326372	7.713876	7.403247	7.337904	7.506301	7.496831	7.253695	7.37475
PCDHA6	PCDHA6	6.960811	7.116997	6.901723	7.033837	6.890956	6.889742	6.860625	6.899455	6.768508	6.856477	6.83622	6.842759
PCDHA7	PCDHA7	6.927602	7.119239	6.839162	7.122738	6.920467	7.014398	6.92415	6.996878	7.024529	6.971696	6.835932	6.880955
PCDHA8	PCDHA8	6.91795	7.103803	6.862755	7.046727	7.02261	7.052507	6.847377	6.986913	6.815605	6.932078	6.786514	6.867204
PCDHA9	PCDHA9	6.978038	7.239642	6.900549	7.135336	7.100328	7.152671	7.028057	7.084427	7.121896	7.011032	6.893119	6.926937
PCDHAC1	PCDHAC1	6.827558	7.242779	6.780593	6.962421	6.943013	6.988045	6.873088	6.954127	6.896763	6.940585	6.817041	6.87224
PCDHAC2	PCDHAC2	7.031939	7.47786	6.93083	7.089772	7.169111	7.147599	6.980356	7.031936	7.054699	6.998496	6.831829	6.96571
PCDHB1	PCDHB1	6.818821	6.944477	6.683639	6.96703	6.840261	6.817466	6.840843	6.879366	6.925668	6.852194	6.787098	6.752896
PCDHB10	PCDHB10	6.954323	7.181921	6.818295	7.120697	7.160984	7.274974	7.150152	7.219285	7.169588	7.113545	7.000451	7.078919
PCDHB11	PCDHB11	6.795637	6.964972	6.715436	6.942281	6.878087	6.922212	6.882041	6.966194	6.879645	6.917548	6.75456	6.732468
PCDHB12	PCDHB12	6.806592	7.08815	6.719557	7.027891	6.920761	7.08279	6.81348	6.951155	6.876697	6.972402	6.774271	6.776461
PCDHB13	PCDHB13	6.884982	7.228506	6.87378	7.096785	6.971383	6.9984	7.015363	7.081311	6.846276	6.887558	6.708981	6.852616
PCDHB14	PCDHB14	6.934091	7.171685	7.010987	7.159551	7.118395	7.136199	7.085044	7.048775	7.201906	7.1667	6.849697	6.978903
PCDHB15	PCDHB15	6.884587	6.951598	6.783002	6.908923	6.827302	6.983491	6.935358	6.939802	6.761086	6.835308	6.724707	6.822561
PCDHB16	PCDHB16	6.973456	7.026747	6.788218	7.039945	6.987429	6.97394	6.982193	6.94135	6.963072	6.955042	6.826634	6.820333
PCDHB17	PCDHB17	7.495887	7.726172	7.231879	7.577682	7.560051	7.772325	7.521745	7.678024	7.616314	7.539268	7.478956	7.37876
PCDHB18	PCDHB18	6.920228	7.022532	6.806154	7.079524	6.79915	6.823422	6.76919	6.91086	6.861585	6.851165	6.832434	6.832809
PCDHB19P	PCDHB19P	7.834619	8.479895	8.230183	8.513297	8.57753	8.570302	8.663504	8.209619	8.413385	8.056406	7.351083	8.000725
PCDHB2	PCDHB2	9.929406	10.16367	9.49559	9.500367	9.652419	9.562706	9.585593	9.627507	9.865509	9.530619	9.606577	9.274758
PCDHB3	PCDHB3	6.964242	7.224165	6.920734	7.179383	7.162028	7.112105	7.061407	7.094855	7.085754	7.081982	6.8975	6.828369
PCDHB4	PCDHB4	7.02206	7.167475	6.906423	7.147269	7.178193	7.214046	7.041707	7.118254	7.151604	7.116737	6.911818	7.010785
PCDHB5	PCDHB5	6.909719	7.176317	6.899441	6.987	6.800379	6.846926	6.885214	7.012708	6.889373	6.96548	6.852333	6.827662
PCDHB6	PCDHB6	6.92974	6.999811	6.764989	7.013975	6.92469	6.869771	6.79852	6.944342	6.85341	6.867717	6.726256	6.810632
PCDHB7	PCDHB7	6.809736	7.03676	6.681817	6.895057	6.908578	6.844426	6.788017	6.841216	6.682033	6.743877	6.75182	6.804051
PCDHB8	PCDHB8	6.797026	6.978121	6.789502	6.924944	6.915286	6.882994	6.88023	6.927803	6.916796	6.881276	6.677682	6.760437
PCDHB9	PCDHB9	8.421	9.318987	8.611164	9.07482	9.085249	8.602281	8.792063	8.032491	8.474091	8.041076	7.517481	7.97371
PCDHGA1	PCDHGA1	6.913598	7.105727	6.773573	7.100616	6.880862	6.938825	6.830107	6.952631	6.910491	6.865383	6.811396	6.811848
PCDHGA1	PCDHGA1	7.141453	7.362524	7.01392	7.215599	7.124451	7.137112	7.003902	7.082606	7.056404	7.129767	6.902975	7.040548
PCDHGA1	PCDHGA1	6.885089	7.063209	6.804429	7.059799	6.805238	6.92832	6.864313	6.87646	6.792884	6.862527	6.811586	6.788163
PCDHGA1	PCDHGA1	6.926483	7.11454	6.74183	7.001663	7.000282	6.970587	6.898964	6.923939	6.827867	6.956955	6.759875	6.830544
PCDHGA2	PCDHGA2	6.937741	7.005781	6.779941	6.964847	6.884947	7.012497	6.813252	6.880779	6.787463	6.898254	6.808092	6.8077
PCDHGA3	PCDHGA3	6.918228	7.069027	6.762391	7.048055	6.92876	6.886295	6.832516	6.866957	6.813279	6.931286	6.713847	6.865033
PCDHGA4	PCDHGA4	6.76365	6.985622	6.808918	7.037665	6.864902	6.864208	6.879262	6.841142	6.80303	6.830001	6.709655	6.822956
PCDHGA5	PCDHGA5	6.934019	7.162275	6.872258	7.051357	7.008036	6.974122	6.897026	7.0458	6.978417	7.000623	6.877023	6.846224
PCDHGA6	PCDHGA6	6.921658	7.048065	6.869686	7.056761	6.904558	6.922143	6.868048	6.927815	7.073419	6.866724	6.765423	6.855152
PCDHGA7	PCDHGA7	6.910715	7.014416	6.830592	6.952347	6.897886	6.844804	6.792817	6.873779	6.764766	6.859085	6.751916	6.799699

PCDHGA8	PCDHGA8	6.819437	6.971733	6.828938	6.896639	6.834405	6.825227	6.759806	6.855541	6.886357	6.90878	6.804689	6.810785
PCDHGA9	PCDHGA9	6.991957	7.194878	7.035551	7.168455	7.068999	7.124106	7.033489	7.023765	7.072257	7.118804	6.942696	6.985675
PCDHGB1	PCDHGB1	7.096293	7.198799	6.887702	7.030723	7.061349	7.02131	6.966065	6.99289	6.96488	7.028008	6.809599	7.045054
PCDHGB2	PCDHGB2	6.978812	7.154807	6.854201	7.066853	6.917812	7.008581	7.041103	6.99988	6.978142	6.991196	6.829445	6.999364
PCDHGB3	PCDHGB3	7.048116	6.964196	6.894275	6.959568	6.918146	6.904758	6.830301	6.984015	6.881678	6.811181	6.776743	6.770432
PCDHGB4	PCDHGB4	7.12572	7.309536	6.983896	7.509666	7.270787	7.484368	7.598569	7.419542	7.534567	7.410224	7.135808	7.379655
PCDHGB5	PCDHGB5	6.816185	7.062565	6.772572	6.91575	6.842976	6.909729	6.79129	6.930282	6.702682	6.805545	6.65173	6.67415
PCDHGB6	PCDHGB6	7.122694	7.309439	7.009119	7.336153	7.290243	7.345868	7.247982	7.284258	7.28355	7.297555	7.16241	7.15704
PCDHGB7	PCDHGB7	6.759743	6.987728	6.697953	7.055745	6.882415	7.029609	6.824612	6.934743	6.885875	6.886062	6.833338	6.8438
PCDHGB8	PCDHGB8	6.788911	7.02733	6.898304	6.93889	7.019684	6.982573	6.872181	6.976601	6.908537	6.960086	6.821181	6.855283
PCDHGC3	PCDHGC3	7.033766	7.205502	6.827747	7.148314	7.022993	7.093049	6.96361	7.012197	7.060737	7.021035	6.848873	6.992065
PCDHGC4	PCDHGC4	6.832211	7.080522	6.747163	6.942143	6.965616	6.983442	6.928302	6.980675	6.88906	6.917791	6.767324	6.857479
PCDHGC5	PCDHGC5	6.835262	6.97451	6.743239	6.964183	6.90646	6.892517	6.829393	6.921386	6.846929	6.84965	6.727975	6.799582
PCF11	PCF11	8.507358	9.181922	8.794745	9.239124	8.968123	9.474698	8.692426	8.629306	8.608919	8.327869	8.00658	8.351859
PCGF1	PCGF1	7.773964	8.020961	7.872825	7.851848	7.777909	8.043051	7.794193	8.073419	7.975222	8.218584	8.605099	8.095361
PCGF2	PCGF2	9.309705	9.161259	8.794379	9.20138	9.026182	8.714963	8.466291	8.820607	8.706468	8.697302	8.665353	8.375972
PCGF3	PCGF3	6.93561	7.198733	6.910497	7.100469	6.992329	7.002735	6.893746	7.050174	6.819622	7.009587	6.8349	6.903299
PCGF4	PCGF4	8.298298	9.215559	9.333523	10.45371	10.45833	10.34471	9.71913	9.986356	10.3704	10.08913	10.0238	10.63462
PCGF5	PCGF5	6.925255	7.006629	6.784752	7.159029	7.27224	7.901587	7.584139	7.838444	7.513352	7.821713	7.572659	7.540868
PCGF6	PCGF6	8.90808	9.311717	9.181085	8.934693	8.755822	9.450176	8.853794	8.8006	8.805457	8.696851	8.71064	8.643719
PCID1	PCID1	11.85257	12.10566	11.4539	11.45901	11.60934	12.24235	11.87735	11.97348	12.12273	11.97923	11.5999	11.33989
PCK1	PCK1	6.820853	6.994354	6.714323	6.956892	6.900504	6.930046	6.868426	6.825312	6.808314	6.906582	6.81724	6.776071
PCK2	PCK2	8.951756	9.495266	7.790311	8.043599	7.878677	7.606794	7.465167	7.684426	7.797883	7.497186	7.95931	7.733844
PCLKC	PCLKC	7.146447	7.517972	6.99589	7.338289	7.157098	7.338727	7.104345	7.261451	7.14437	7.399942	6.983496	7.062967
PCM1	PCM1	10.50272	11.13929	10.82744	11.02564	10.62806	11.12161	10.83022	10.72546	10.66505	10.70861	10.14912	10.35136
PCMT1	PCMT1	12.07813	12.52798	12.18467	12.27692	12.35885	13.41541	13.02666	13.03293	13.13597	13.06847	12.64607	13.01354
PCMTD1	PCMTD1	8.990496	9.406876	9.009748	9.473388	9.615098	10.5438	10.22318	10.24042	10.15584	10.23603	9.538376	10.08443
PCMTD2	PCMTD2	9.572387	9.89246	10.15004	10.11541	10.52697	10.38647	9.708086	9.821142	9.651503	9.368351	9.194271	9.343323
PCNA	PCNA	10.36956	10.92009	10.24947	10.17624	9.691019	10.07531	9.774767	9.487934	9.704174	9.666763	9.116607	8.803996
PCNP	PCNP	12.07642	12.17138	11.90569	12.12923	11.98266	12.49419	11.75663	12.10016	11.85889	11.9097	11.97696	11.82867
PCNT2	PCNT2	9.594051	9.819313	9.728166	9.932575	9.413129	9.423282	9.25705	9.190096	9.221425	9.031756	8.688359	8.401425
PCNX	PCNX	9.84996	10.31771	9.845823	10.05045	9.760739	9.642279	9.357625	9.266793	9.242997	9.029759	8.833256	9.292146
PCNXL2	PCNXL2	7.820555	8.229838	7.198863	7.451944	7.241311	7.249221	7.015496	7.138593	7.05032	7.021385	6.998604	7.039932
PCNXL3	PCNXL3	7.992019	8.370659	7.934692	8.25193	8.126437	7.960115	7.873656	7.82415	7.79334	7.805161	7.938767	7.658969
PCOLCE	PCOLCE	8.632265	8.240229	7.490415	9.24105	9.70036	7.851361	8.464492	8.424971	8.815817	8.24642	9.141293	9.215541
PCOLCE2	PCOLCE2	9.686052	9.687963	10.05303	9.35884	8.395727	7.964446	7.654211	7.573193	7.641268	7.339733	8.928337	8.066608

PCOLN3	PCOLN3	9.347281	9.586358	9.247605	9.58685	9.484262	9.811523	9.297898	9.347106	9.291809	9.547101	9.583719	9.207212
PCOTH	PCOTH	6.813887	7.137027	6.8074	7.12688	6.960767	7.160408	6.948876	7.057021	6.943902	6.850661	6.91837	6.920241
PCP2	PCP2	6.929479	7.104695	6.922628	7.018336	7.049102	6.930733	6.926321	7.086256	6.924167	6.998417	6.872471	6.877505
PCP4	PCP4	7.705482	7.579254	6.989975	7.191289	7.4701	7.946599	7.195803	7.329847	8.514421	7.462564	7.413806	7.02956
PCQAP	PCQAP	7.222191	7.33129	7.006514	7.378838	7.198048	7.440794	7.283274	7.340699	7.218644	7.225622	7.17462	7.159257
PCSK1	PCSK1	7.065924	7.775797	7.078152	7.215348	6.902393	6.940853	6.838286	6.937516	7.013678	7.008715	6.901326	7.003178
PCSK1N	PCSK1N	7.124611	7.538349	6.99313	7.478055	8.065524	8.016275	7.907729	8.474456	8.710482	8.445326	9.058049	8.187419
PCSK2	PCSK2	6.896172	6.970974	6.839915	7.019515	6.830964	6.771503	6.765742	6.987149	6.845466	6.831041	6.689822	6.848236
PCSK4	PCSK4	7.073648	7.245794	7.05424	7.185808	7.081834	6.958164	6.946076	7.00396	7.00546	7.016047	6.893585	6.991542
PCSK5	PCSK5	9.125353	8.824069	8.322816	9.223419	10.25059	8.028069	7.44341	7.685806	7.748663	7.564394	7.797533	7.233734
PCSK6	PCSK6	6.930924	7.187847	6.964511	7.111119	7.007775	7.018242	6.922391	6.954043	6.929402	6.958925	6.809898	6.848139
PCSK7	PCSK7	8.488725	8.771688	8.396527	8.80212	8.416128	8.623096	8.692329	8.719834	8.822968	9.139595	9.297592	8.934724
PCSK9	PCSK9	8.4399	7.735759	7.061336	7.190971	7.0351	7.016918	6.906908	6.924175	7.126137	7.035445	6.911858	6.779243
PCTK1	PCTK1	7.070346	7.216537	6.985157	7.257932	7.166892	7.217861	7.14973	7.308127	7.110465	7.305224	7.136936	7.081658
PCTK2	PCTK2	7.021645	7.392634	7.02163	7.269241	7.073423	7.454922	7.185224	7.14902	7.286221	7.171503	7.063574	7.11692
PCTK3	PCTK3	7.167159	7.259346	7.026895	7.168077	7.123517	7.02634	7.023735	7.11347	6.99777	7.084501	7.020899	7.263114
PCTP	PCTP	7.712046	8.398694	8.316417	8.491924	8.152224	8.190752	7.858227	7.645992	7.759739	7.664289	7.408266	7.66843
PCYOX1	PCYOX1	8.872645	8.89955	8.85269	9.579869	9.535904	9.536627	9.155926	9.013676	8.843852	8.947046	8.8726	9.494134
PCYT1A	PCYT1A	6.87186	7.197203	6.856286	7.180812	6.94887	6.995853	6.904288	7.053223	7.022887	7.157984	6.821851	6.920067
PCYT1B	PCYT1B	7.120489	7.397347	6.960266	7.100952	7.099122	7.128672	6.995245	6.98096	6.880876	7.043081	6.719211	6.795781
PCYT2	PCYT2	7.732657	7.89128	7.549588	8.226163	8.279683	8.937216	8.189205	7.999852	8.282919	8.181224	7.69533	8.182348
PDAP1	PDAP1	6.8441	7.257766	6.869603	7.183586	7.052296	7.115152	7.033068	7.020528	7.081278	7.067408	6.90561	6.984978
PDC	PDC	6.850871	7.005875	6.85355	6.953747	6.948184	6.953211	6.861052	6.951734	6.884677	6.917684	6.76368	6.830697
PDCD1	PDCD1	6.897049	7.165503	6.846934	6.930649	6.87584	6.970777	6.871556	6.93785	6.79456	6.837641	6.754663	6.848784
PDCD10	PDCD10	9.127853	9.464713	9.068935	8.944771	8.70436	9.178068	8.866799	8.782525	9.107868	9.056473	9.000755	8.836665
PDCD1LG	PDCD1LG	6.742096	6.896266	6.684956	6.856626	6.736526	6.693892	6.773527	6.866463	6.7495	6.910451	6.724548	6.786562
PDCD2	PDCD2	10.12058	10.43379	9.578493	9.73047	9.864909	9.886285	9.363238	9.480892	9.380357	9.40389	9.472696	9.022744
PDCD4	PDCD4	9.034773	9.859978	9.447578	10.0925	10.19499	10.00475	10.01198	9.440779	9.791987	9.524959	8.886943	9.584074
PDCD5	PDCD5	10.26598	11.12241	10.63318	10.48697	10.66741	11.29489	11.04226	10.93174	11.05383	11.02427	10.97989	10.22807
PDCD6	PDCD6	11.45892	11.77818	11.13314	11.31489	11.36595	11.88176	11.26825	11.23357	11.34511	11.10925	11.39007	10.86414
PDCD6IP	PDCD6IP	8.093611	8.162773	7.942363	8.483243	8.428223	8.763832	8.218134	8.369972	8.269216	8.380065	8.075754	8.124512
PDCD7	PDCD7	12.33357	13.16184	12.46723	13.04469	12.99101	12.79663	13.02152	12.65589	12.90983	12.8137	12.29531	12.78676
PDCD8	PDCD8	8.170066	8.132488	7.771396	8.300857	8.233536	9.370768	8.865409	8.856078	8.670094	8.80953	8.304159	8.427398
PDCL	PDCL	7.762687	7.926347	7.760829	8.085311	8.005751	7.832329	7.513653	7.624154	7.558143	7.427128	7.474977	7.81389
PDCL2	PDCL2	6.891138	7.030397	6.896821	7.080207	7.007183	6.989019	6.898297	6.928953	6.817955	6.910386	6.819479	6.878519
PDCL3	PDCL3	9.804185	10.71872	10.33157	10.10386	9.869598	10.61439	9.895169	9.690643	9.949069	9.761213	9.382429	9.453028

PDDC1	PDDC1	7.928128	8.040393	7.71191	7.947857	8.144021	8.269944	7.957693	7.90537	7.94499	7.924365	7.587498	7.505474
PDE10A	PDE10A	6.792531	7.073588	6.829985	7.061172	6.933587	7.034781	6.90288	6.939629	6.948598	6.981399	6.76426	6.863766
PDE11A	PDE11A	6.845247	6.987288	6.848655	7.02557	6.998453	6.966112	6.851941	6.904635	6.855701	6.937651	6.786138	6.857846
PDE1A	PDE1A	6.878225	7.150353	6.855688	7.1308	7.190536	7.120908	7.126896	7.225094	7.422947	7.149548	7.138147	7.2965
PDE1B	PDE1B	7.04664	7.30387	7.073523	7.235854	6.967551	6.960582	6.910441	6.986394	6.961286	6.983592	6.760973	6.750436
PDE1C	PDE1C	6.833179	7.016307	6.810807	7.055684	7.018166	7.024114	6.871263	7.076759	7.032376	7.319851	7.458456	7.829676
PDE2A	PDE2A	7.143108	7.09186	6.772704	7.059589	6.893101	6.977426	6.781371	6.88885	6.857731	6.972974	6.755569	6.809536
PDE3A	PDE3A	7.10989	7.364189	7.019558	7.453324	7.192867	7.239972	7.020249	7.186594	7.167235	7.23669	7.048629	7.265203
PDE3B	PDE3B	7.358628	7.851505	7.891624	7.7963	7.394311	7.499532	7.296175	7.23968	7.257063	7.347762	7.086468	6.967942
PDE4A	PDE4A	6.973264	7.167072	6.919383	7.067715	6.96122	7.050445	6.983562	6.978468	6.838052	6.957371	6.901166	6.870379
PDE4B	PDE4B	7.472962	8.101666	7.623662	7.289164	7.246436	8.124165	7.978795	8.315201	8.259054	8.643795	8.69756	8.968293
PDE4C	PDE4C	12.33722	13.26566	12.81566	13.27155	13.2245	13.13502	13.15078	12.66887	13.10501	12.54075	11.9299	12.6072
PDE4D	PDE4D	7.111818	7.328789	7.738734	8.337916	8.112949	9.596135	8.885543	9.134239	8.710265	8.775447	8.624556	9.04066
PDE4DIP	PDE4DIP	6.934037	7.166889	6.887249	7.110489	7.0196	7.117991	7.043785	7.095358	7.055004	7.141474	6.949819	7.012957
PDE5A	PDE5A	7.941509	7.892963	7.477733	8.564298	8.338931	7.531486	7.384078	7.48283	7.891514	7.228222	7.279937	7.123896
PDE6A	PDE6A	6.917231	6.941401	6.730274	7.006576	7.042342	7.053639	6.960231	7.056994	7.019657	7.071025	7.088493	6.901558
PDE6B	PDE6B	7.184329	7.810863	7.170898	7.368516	7.549518	8.399316	7.851105	8.224383	7.688117	7.933494	7.604614	7.6435
PDE6C	PDE6C	6.884216	7.146847	6.647027	6.896073	6.849391	6.984316	6.842968	6.818707	6.860771	6.890353	6.629414	6.798001
PDE6D	PDE6D	8.934828	9.095199	8.703863	8.79612	8.518554	9.556412	9.111167	8.835933	9.030392	8.932864	8.57951	9.066654
PDE6G	PDE6G	7.151397	7.266097	7.085	7.068852	7.037215	7.191504	7.029134	7.130409	7.040674	7.086583	6.869755	6.889899
PDE6H	PDE6H	6.97246	7.215569	6.92506	7.171432	7.192585	7.006377	7.014559	6.990124	7.043113	7.044475	6.867596	6.875622
PDE7A	PDE7A	7.73328	8.181317	7.784005	7.787081	7.660011	7.493962	7.26185	7.322032	7.463088	7.256599	6.987658	7.149216
PDE7B	PDE7B	7.008983	7.070288	6.796789	7.083618	7.253869	7.539676	7.403644	7.509541	8.006947	7.265331	7.706356	7.829928
PDE8A	PDE8A	7.417962	7.599916	7.456099	7.582106	7.504272	7.719077	7.551533	7.535575	7.59405	7.743058	7.548214	7.668153
PDE8B	PDE8B	7.104003	7.163166	7.003882	7.29655	7.691198	7.0918	6.974286	7.230361	7.285424	7.751374	7.535092	7.293362
PDE9A	PDE9A	8.450467	8.198825	8.062693	8.125699	7.997578	7.397148	7.27727	7.283557	7.326315	7.212326	7.007834	7.083255
PDF	PDF	7.072689	7.491259	7.022069	7.16615	7.053444	7.110954	6.98904	7.04728	7.01644	7.053486	6.940474	6.901297
PDGFA	PDGFA	7.173186	7.470395	7.075645	7.244264	7.149199	7.213951	7.094714	7.150748	7.151207	7.201356	7.035449	7.146698
PDGFB	PDGFB	7.009483	7.282766	6.990767	7.240884	7.084954	7.259192	7.030934	7.187153	7.109424	7.241892	7.105473	7.056021
PDGFC	PDGFC	7.044052	7.567668	7.464694	8.176312	8.844965	8.447304	8.308272	8.301467	8.910431	8.47686	8.960699	9.115179
PDGFD	PDGFD	7.281968	7.411615	7.259324	7.589554	8.215145	9.674041	9.142681	8.947861	8.263632	8.27143	7.66655	8.318031
PDGFRA	PDGFRA	7.569351	7.818585	10.53676	11.76445	10.98768	9.514868	9.49624	9.369475	10.11615	8.895807	9.146424	9.193408
PDGFRB	PDGFRB	7.515454	7.297395	8.303352	9.604228	9.589316	8.19641	8.57038	8.735406	9.746304	8.829063	9.784542	9.153576
PDGFRL	PDGFRL	8.310782	8.69099	7.68883	7.80598	7.722126	7.921292	8.407173	8.630382	9.036545	8.651592	8.765301	8.812133
PDHA1	PDHA1	9.982247	10.55804	9.797864	10.18372	10.13709	11.8942	11.62241	11.32874	11.41735	11.44997	10.91846	10.97786
PDHA2	PDHA2	6.794951	6.972417	6.795967	6.939814	6.914552	6.971888	6.904357	6.89805	6.881236	6.86866	6.806684	6.856075

PDHB	PDHB	12.67889	12.7326	12.59474	12.67393	12.80108	13.91077	13.4674	13.56523	13.51088	13.37933	13.12061	12.84473
PDHX	PDHX	9.503882	9.912198	9.378753	9.598164	9.725538	10.91024	10.32888	10.57041	10.39474	10.65744	10.75289	10.57249
PDIA2	PDIA2	6.885566	7.101209	6.843516	6.99869	6.945367	7.044269	6.897913	6.923602	6.996787	7.036153	6.819645	6.770754
PDIA3	PDIA3	6.869381	7.072076	6.832241	7.048059	6.917507	7.086763	7.006936	6.875358	6.928438	6.9113	6.825733	6.941233
PDIA3P	PDIA3P	8.2669	8.953495	8.102253	8.360763	8.432501	8.305283	8.211457	7.992146	8.218923	8.285472	8.608299	9.646681
PDIA4	PDIA4	8.660011	9.065023	8.571086	8.792836	8.366348	7.905647	7.85592	7.632826	7.797683	7.721274	7.719817	7.761209
PDIA5	PDIA5	8.849663	8.836	8.386275	8.571595	8.770199	8.052962	8.314214	8.67263	8.609238	8.363555	9.237224	8.381746
PDIA6	PDIA6	10.39792	10.6266	10.2985	10.50702	10.17231	9.802936	9.534831	9.836068	9.600234	9.564306	9.946993	10.00289
PDIK1L	PDIK1L	7.673663	8.018173	7.894679	8.105683	8.302707	8.304418	8.105315	8.002042	8.212335	7.799276	7.556678	7.748211
PDILT	PDILT	6.783667	7.020245	6.800637	6.876842	6.842206	6.898167	6.887793	6.870221	6.879169	6.946402	6.695948	6.756644
PDK1	PDK1	7.167566	7.292526	7.166478	7.597859	7.512551	7.627237	7.286338	7.105723	7.266452	7.234593	6.970189	7.138407
PDK2	PDK2	6.921211	7.237906	7.062511	7.380947	7.603682	8.181041	8.077997	7.970849	8.117368	8.268285	7.619353	8.146476
PDK3	PDK3	8.751802	9.305336	8.314641	8.267182	8.050829	8.367171	7.937244	8.091681	8.159443	8.337606	7.98199	8.19221
PDK4	PDK4	6.900211	7.026721	6.809624	7.116395	7.536065	7.656447	7.210381	7.485676	7.269875	7.514515	7.680761	7.946895
PDLIM1	PDLIM1	10.47635	10.73671	9.96794	9.964903	10.24524	12.39374	11.5652	11.69021	11.24081	11.77658	11.22088	10.65881
PDLIM2	PDLIM2	6.974518	7.078357	6.823152	7.000244	7.05274	6.988024	6.850895	6.985722	6.842815	6.923031	6.834383	6.873916
PDLIM3	PDLIM3	7.640096	7.752057	7.268523	8.171481	9.119801	11.45415	12.49605	13.30489	13.09499	13.31212	13.3539	11.81467
PDLIM4	PDLIM4	6.956327	7.065639	6.791847	7.054286	7.044841	7.120473	6.988553	6.947167	7.018075	6.997057	7.16844	6.856219
PDLIM5	PDLIM5	7.28429	7.595777	7.291932	8.212124	8.34922	10.97097	10.07494	10.51013	10.11551	10.79783	10.46901	10.2943
PDLIM7	PDLIM7	9.124731	10.38891	9.504907	10.44057	10.49762	11.22669	11.40395	11.52427	11.68983	11.81055	11.71369	11.4362
PDP2	PDP2	7.434807	7.522683	7.169624	7.378001	7.336445	7.452686	7.228498	7.186825	7.244523	7.291117	6.955214	7.153917
PDPK1	PDPK1	8.176245	8.413811	8.019853	8.269861	8.373386	8.942576	8.397106	8.396987	8.374134	8.331567	8.408113	8.378691
PDPN	PDPN	10.54389	10.81075	9.116439	9.383069	10.72504	8.491089	8.581233	9.137101	9.052195	9.633686	8.788257	8.596296
PDPR	PDPR	8.86981	8.975185	8.38826	8.765862	8.566563	8.776777	8.366011	8.52961	8.247575	8.481089	8.297459	8.430406
PDRG1	PDRG1	9.564222	9.783892	9.546703	9.884624	9.828345	10.632	10.32497	10.42879	10.49674	10.42532	10.36137	10.61117
PDSS1	PDSS1	9.003175	9.44937	8.828762	8.872566	8.534972	9.204799	8.432769	8.456523	8.382894	8.391604	8.301312	7.993367
PDSS2	PDSS2	10.58688	10.9937	10.3603	10.83777	10.61573	10.7565	10.8169	10.57176	10.74305	10.73588	10.23731	10.76944
PDXK	PDXK	10.74506	10.94396	9.887089	10.55314	10.63128	10.58602	10.14494	10.21262	10.18714	10.14555	9.892586	10.3691
PDXP	PDXP	10.61911	10.41756	10.07022	10.35692	10.25022	10.94882	10.70735	11.03807	10.67466	11.12644	10.91106	10.6034
PDYN	PDYN	7.293465	8.345419	7.309978	7.56232	7.540462	7.820834	7.190395	7.34046	7.256438	7.340178	7.32048	7.488024
PDZD11	PDZD11	6.968743	7.106471	6.829641	7.009172	6.943174	7.028619	6.948839	6.955041	6.930143	7.029825	6.886237	6.919108
PDZD3	PDZD3	6.896335	7.279798	6.872476	7.218355	7.056431	7.321879	6.961692	7.043101	7.032434	6.942974	6.892276	6.851937
PDZD4	PDZD4	9.66701	10.07913	8.448411	7.798314	7.762893	7.343857	7.279998	7.089322	7.87035	7.04141	6.932311	6.88029
PDZD7	PDZD7	6.916233	7.055605	6.729252	6.984618	6.888842	6.927736	6.812539	6.86741	6.833064	6.83942	6.753809	6.855352
PDZD8	PDZD8	8.406464	8.295082	8.01162	8.240676	7.858127	7.747431	7.518701	7.587365	7.702047	7.670125	7.764871	7.94906
PDZK1	PDZK1	6.920928	7.055787	6.864868	7.175582	7.006888	7.001691	6.84376	6.947484	6.93969	6.990823	6.812608	6.816582

PDZK1IP1	PDZK1IP1	6.768969	7.029182	6.781007	6.965449	6.77228	6.91282	6.748607	6.842403	6.819685	6.792502	6.741831	6.781
PDZK3	PDZK3	7.062457	7.419247	7.100081	7.152902	7.059104	6.981541	6.878341	6.985962	6.929335	7.032231	6.798889	6.941451
PDZK5B	PDZK5B	6.904108	7.084502	6.781761	7.012544	6.935823	7.124106	6.853216	6.948904	6.913254	6.940641	6.795981	6.835515
PDZRN3	PDZRN3	7.057773	7.098744	6.84078	7.716757	7.647819	7.199592	7.122723	7.166421	7.207241	7.183462	6.963832	7.227319
PDZRN4	PDZRN4	6.910081	7.005869	6.923462	7.181397	7.838004	7.129997	7.017551	6.977956	7.381117	6.953424	6.796365	6.818438
PEA15	PEA15	10.50075	11.56818	10.80056	11.44627	11.64421	13.20428	12.96625	12.93414	12.9317	13.05482	13.05927	12.61428
PEAR1	PEAR1	6.867803	7.177247	7.036799	7.370692	7.402827	7.020489	6.923215	7.073435	7.168066	7.008628	6.97503	6.975733
PEBP1	PEBP1	11.13161	11.94778	10.44793	10.68073	10.39971	10.63976	11.00263	10.46765	10.79853	10.99599	10.46002	10.73143
PEBP4	PEBP4	6.960067	7.007176	6.770033	7.096762	6.888517	7.078265	6.934747	7.113854	6.997681	7.262258	7.063551	7.953423
PECAM1	PECAM1	7.215452	7.484445	7.137757	7.608602	7.474653	7.534989	7.127584	7.231484	7.340416	7.343349	7.227939	7.304368
PECI	PECI	10.19836	10.60662	9.532676	10.24488	10.36447	11.13866	10.84314	10.60321	10.98571	10.84209	10.5125	10.51432
PECR	PECR	9.07179	9.270404	8.268346	8.623495	8.46499	8.598263	7.895604	7.946751	7.959148	8.071512	7.728347	7.909808
PEF1	PEF1	8.584141	9.174962	9.050435	9.253511	9.175247	9.943879	9.335349	9.332872	9.345768	9.308006	9.293513	9.082921
PEG10	PEG10	8.284077	8.833104	8.775624	9.322408	9.685849	8.31082	8.019373	7.544044	8.464891	7.676985	7.218949	8.063817
PEG3	PEG3	6.987549	6.958395	6.792373	6.913293	6.944632	7.066994	6.950426	7.020777	6.848999	6.936527	6.798632	6.772651
PELI1	PELI1	9.70352	9.501198	9.981798	9.795528	8.894771	8.740837	8.056775	8.188761	8.306582	7.651812	7.944136	7.5773
PELI2	PELI2	8.966691	9.264879	9.009347	9.808512	8.847062	7.936494	7.297333	7.401495	7.724534	7.229492	7.351633	7.334772
PELI3	PELI3	7.06163	7.48534	7.098548	7.221998	7.232243	7.367565	7.121998	7.334338	7.297021	7.257953	7.234599	7.085842
PELO	PELO	10.49705	10.79126	9.887437	10.25461	10.53238	11.23623	11.05862	11.41219	11.13579	10.95468	11.49864	10.819
PELP1	PELP1	10.00952	10.22228	9.015583	9.53117	8.959833	8.83046	8.670929	8.666836	8.540876	8.879341	8.825766	8.804551
PEMT	PEMT	8.409965	8.307493	8.049283	8.333574	8.496452	8.639937	8.370012	8.464078	8.406109	8.582205	8.595651	8.378779
PENK	PENK	7.075765	7.248222	7.063736	7.560306	7.528598	7.504868	8.164009	8.196443	9.48984	7.851343	8.3939	8.120587
PEO1	PEO1	8.755165	8.885639	8.217608	8.050944	7.71859	7.736305	7.487013	7.413436	7.387908	7.345218	7.307103	7.514639
PEPD	PEPD	11.15422	11.33317	10.39281	10.63982	10.44927	11.15462	10.36047	10.56824	10.43816	10.50654	10.5621	10.44231
PEPP-2	PEPP-2	6.939068	7.06141	6.829061	7.002817	7.038505	6.987126	6.895788	6.995332	6.95137	6.983732	6.763042	6.887395
PER1	PER1	6.868342	7.114346	6.886462	7.091873	6.993879	7.039382	7.016413	6.947819	6.92911	7.07451	6.939698	6.814284
PER2	PER2	7.983973	8.034802	8.008069	8.341322	8.517018	8.382788	7.731443	7.679537	7.915445	7.680083	7.28888	7.794874
PER3	PER3	7.765876	7.578576	7.144776	7.321799	7.477038	7.771442	7.737469	7.745093	7.787725	7.810258	7.489005	8.124662
PERF15	PERF15	6.911958	7.154797	6.841626	7.038133	7.010515	6.963161	6.848067	7.020754	6.963693	7.058228	6.75879	6.919599
PERLD1	PERLD1	8.511244	8.962131	8.587425	8.638561	8.847333	8.771081	8.630789	8.779912	8.614465	8.678951	8.49324	8.564292
PERP	PERP	8.237686	9.404129	9.400564	8.815235	8.52498	8.984813	8.762146	8.395884	8.810817	8.858535	8.670545	9.431472
PERQ1	PERQ1	7.651609	8.063861	7.49062	7.672602	7.404128	7.426677	7.294986	7.349646	7.297342	7.183143	6.922881	7.367842
PES1	PES1	8.199484	8.493631	7.953564	7.863482	7.753702	7.908132	7.533791	7.380277	7.633031	7.465574	7.373261	7.585095
PET112L	PET112L	9.411836	9.642939	9.067811	9.308852	9.029906	10.17331	9.580534	9.154691	9.376896	9.576699	8.750192	9.30601
PEX1	PEX1	8.344304	8.694685	8.323671	8.45668	8.27281	8.948853	8.416923	8.539205	8.236038	8.34336	8.177742	8.011126
PEX10	PEX10	8.60866	9.121625	8.673017	8.661144	8.622962	8.529748	8.172085	8.015201	8.302296	8.234879	7.873694	8.265444

PEX11A	PEX11A	7.200773	7.707404	7.260831	7.506023	7.357419	7.76049	7.574991	7.500313	7.494867	7.593655	7.161162	7.573959
PEX11B	PEX11B	8.580733	8.597726	8.965436	9.732401	10.00567	10.80992	10.38991	10.63374	10.51754	10.50539	10.44275	10.26143
PEX11G	PEX11G	7.132564	7.302094	7.027562	7.171307	6.99474	7.356317	7.320234	7.250136	7.11966	7.275112	6.89245	7.092582
PEX12	PEX12	6.89479	7.116272	6.869701	7.054587	6.985096	7.014075	6.938845	6.98063	6.995193	6.959131	6.8167	6.886339
PEX13	PEX13	7.50961	7.971268	7.664453	7.824713	7.887643	8.560907	7.882133	8.077748	7.862064	8.01218	8.088116	7.811465
PEX14	PEX14	7.907014	7.915634	7.676919	7.829432	7.957069	8.333099	7.967272	8.097448	7.865345	8.172968	8.235744	7.829434
PEX16	PEX16	8.532404	8.685512	8.07198	8.255393	8.319607	8.680704	8.400803	8.440446	8.377708	8.595773	8.394057	8.328897
PEX19	PEX19	9.201431	9.426436	9.687939	9.830355	9.504746	10.00485	9.621088	9.774281	9.46583	9.622943	9.625374	9.698311
PEX26	PEX26	7.249881	7.569262	7.174272	7.404347	7.205426	7.343342	7.145151	7.143261	7.206242	7.09949	6.914344	6.969142
PEX3	PEX3	7.040971	7.109191	6.990645	7.110182	6.898916	7.111276	6.96218	6.997191	7.162136	7.076374	6.905093	7.03183
PEX5	PEX5	10.88897	10.87987	10.26277	10.17262	10.38352	10.41641	10.15349	10.14314	10.19714	10.10277	9.89522	9.965184
PEX5L	PEX5L	6.991501	7.150869	6.810432	6.9843	6.897048	7.02688	6.917365	6.968501	7.009767	7.012651	6.723717	6.840146
PEX6	PEX6	7.794621	8.013162	7.521628	7.833529	7.859761	8.160792	8.253196	8.052653	8.129159	8.279932	8.095897	8.279105
PEX7	PEX7	8.872098	9.136506	8.634721	8.421798	8.434861	9.493469	9.183068	9.274769	8.984362	9.354043	8.976329	8.88882
PF4	PF4	6.805542	6.836703	6.801987	6.944531	6.839489	6.970199	6.895304	6.831185	6.767901	6.842854	6.749476	6.888871
PF4V1	PF4V1	7.157834	7.222136	6.902289	7.165293	7.091362	7.216266	6.971124	7.075702	6.976358	7.237385	6.889976	6.959661
PFAAP5	PFAAP5	8.700755	8.934603	8.788141	9.477416	9.624169	10.0629	9.547633	9.548922	9.681111	9.457001	8.734683	8.918363
PFAS	PFAS	11.40381	11.71671	10.38122	10.23021	10.05576	9.547518	9.346748	8.940651	9.20314	9.05443	8.743792	8.643709
PFC	PFC	6.804587	7.036395	6.914466	7.135966	6.908743	7.005563	6.896748	6.999924	6.911256	7.10259	6.832767	6.74693
PFDN1	PFDN1	10.26792	10.72794	10.43893	10.97542	10.75047	11.24988	10.70658	11.03063	10.65666	10.93556	11.03312	10.28572
PFDN2	PFDN2	6.915716	7.354692	6.838511	7.176417	7.004943	7.09349	7.055639	7.079063	6.891523	7.060202	6.936695	6.915044
PFDN4	PFDN4	7.83638	8.227518	7.879524	7.806139	7.857385	8.186388	8.00681	7.856731	8.189902	8.013512	7.726527	7.540139
PFDN5	PFDN5	12.19107	12.97824	12.55727	12.69967	12.75993	12.92101	12.99366	12.70894	13.16398	13.12364	12.71038	12.54853
PFDN6	PFDN6	9.013688	9.743643	9.014317	8.937217	8.735837	9.49088	9.072212	8.851243	9.10491	9.136477	8.749217	8.994539
PFKFB1	PFKFB1	7.008337	7.081895	6.875232	7.111343	6.940569	6.848113	6.954262	6.885459	6.900234	6.891224	6.789382	6.805567
PFKFB2	PFKFB2	7.240115	7.38756	7.071691	7.204765	7.176447	7.678071	7.29295	7.449913	7.343306	7.355057	7.174133	7.314692
PFKFB3	PFKFB3	9.526846	9.152994	9.489515	10.49652	10.67819	10.20995	9.0325	9.061924	9.279161	8.681405	9.255727	9.044112
PFKFB4	PFKFB4	10.13533	9.332849	8.822884	10.08105	10.7663	9.271006	8.504847	8.2493	8.893119	8.158323	8.730528	9.592875
PFKL	PFKL	7.814131	7.916068	7.745876	8.041734	8.045653	7.8126	7.554591	7.691349	7.543512	7.616581	7.802758	7.793284
PFKM	PFKM	10.58638	10.64677	9.921114	10.89263	11.13871	12.01017	11.86207	11.74027	11.79241	12.01789	10.95302	11.70443
PFKP	PFKP	10.57659	10.44744	9.537832	11.37758	11.86248	12.50811	11.975	12.12515	11.74912	11.82126	11.81423	12.34096
PFN1	PFN1	13.84832	14.44788	13.49281	13.58764	13.31734	13.75947	13.3313	13.2072	13.14317	13.11782	13.37852	12.55192
PFN2	PFN2	10.50393	10.85261	10.68726	10.74516	10.72099	10.53643	10.31904	10.25761	10.51337	10.14399	10.21742	9.695732
PFN3	PFN3	6.812645	7.270526	6.83889	7.026348	6.963584	6.980842	6.901004	7.084549	6.922362	6.942706	6.913943	6.824461
PFN4	PFN4	6.897465	7.260894	7.035361	7.169265	7.258981	7.571063	7.300714	7.293853	7.414129	7.332009	7.122578	7.212903
PFS2	PFS2	11.84016	12.38562	11.7075	11.6629	11.27621	11.40112	11.19586	10.94829	10.95879	10.9085	9.768209	8.806185

PFTK1	PFTK1	7.685474	7.55547	7.466137	9.026131	8.544753	9.029784	8.289548	8.330764	8.152862	8.393191	8.252588	8.524687
PGA3	PGA3	6.923638	6.992733	6.785916	7.213478	6.879799	7.043678	6.850336	6.931679	6.859131	6.895174	6.858135	6.770478
PGA4	PGA4	6.861096	6.921632	6.774251	7.092714	6.882339	6.965003	6.755033	6.794021	6.815907	6.882635	6.753849	6.687846
PGA5	PGA5	6.944569	7.181053	7.507556	8.337822	7.326064	7.188201	6.808769	6.899564	6.812907	6.824675	6.680193	6.723847
PGAM1	PGAM1	12.26404	12.08642	11.12501	11.49847	11.2861	11.93391	11.24057	11.635	11.21103	11.5542	11.86364	11.66056
PGAM2	PGAM2	6.915653	7.186909	6.772434	7.11003	7.666156	9.730131	9.43864	9.592339	9.522604	10.30957	9.33445	10.07893
PGAM4	PGAM4	11.66649	11.87663	10.89264	11.33984	11.19613	11.67329	11.11786	11.22935	11.03719	11.28989	11.63934	11.56242
PGAM5	PGAM5	6.880494	7.095037	6.761033	6.983378	6.85641	6.888117	6.734378	6.88543	6.882135	6.828592	6.864478	6.772934
PGAP1	PGAP1	7.928287	8.117539	7.77337	8.26794	8.001137	7.849807	7.540835	7.628056	7.82354	7.532312	7.200684	7.189818
PGBD1	PGBD1	8.228762	8.695206	8.396797	8.868045	8.493124	8.882527	8.385298	8.471578	8.362338	8.204357	8.050066	8.035994
PGBD2	PGBD2	7.37259	7.854156	7.555453	7.582151	7.569362	7.46599	7.207964	7.262878	7.24816	7.157122	7.015983	6.997368
PGBD3	PGBD3	7.084463	7.388452	7.149226	7.363256	7.581946	7.374183	7.177645	7.211904	7.257277	7.287627	7.171133	7.162085
PGBD4	PGBD4	6.969617	7.227379	6.983495	7.126639	7.10044	7.425223	7.187704	7.27027	7.220391	7.28793	7.13052	7.175815
PGBD5	PGBD5	8.17704	8.142742	7.154578	7.882185	7.451544	7.689992	7.484492	7.704399	7.857959	8.069011	7.915554	7.671079
PGC	PGC	6.75084	6.942934	6.721199	6.976964	6.979287	6.865882	6.876162	6.835506	6.823209	6.825667	6.752684	6.7719
PGCP	PGCP	7.089154	7.28424	7.368248	7.750809	7.628882	7.597472	7.591069	7.606996	7.630966	7.555042	7.573363	7.710416
PGD	PGD	11.98946	12.13195	11.45996	11.48028	11.17557	11.16044	10.58263	10.81252	10.73574	10.41968	10.45966	10.04542
PGDS	PGDS	6.907679	7.183476	6.794417	7.034163	7.029766	7.041725	6.837642	6.874706	6.945213	6.95749	6.826571	6.917821
PGEA1	PGEA1	8.654674	9.129469	8.943096	9.206823	9.036427	9.308401	9.123928	9.352005	9.292792	9.361812	9.190021	8.93661
PGF	PGF	6.929327	6.961285	7.110988	7.820612	7.492001	6.983757	6.983615	6.823702	6.974907	6.994121	6.913255	6.849871
PGGT1B	PGGT1B	7.595301	8.16763	7.709385	7.698042	7.735473	8.227978	7.707923	7.757303	7.707038	7.68907	7.82887	7.897644
PGK1	PGK1	11.54896	11.47567	10.94756	11.55018	11.65401	11.91667	11.48362	11.58354	11.48316	11.68708	11.94891	12.47284
PGK2	PGK2	6.897688	7.057429	6.855453	6.992479	6.984056	6.91094	6.948076	6.897275	6.85468	6.870581	6.744537	6.806823
PGLS	PGLS	9.759556	10.24348	9.894313	10.00249	10.06755	10.20763	9.721982	9.71082	9.707879	9.70772	10.01571	9.18181
PGLYRP1	PGLYRP1	6.981736	7.267746	6.93975	7.060414	6.962556	7.116329	7.110334	7.079643	6.94959	6.954701	6.818224	6.937809
PGLYRP2	PGLYRP2	6.8341	6.95732	6.856298	6.970884	6.821228	6.858521	6.913417	6.908363	6.914687	7.002016	6.777435	6.925274
PGLYRP3	PGLYRP3	6.904094	7.086294	6.883773	7.046088	6.926683	6.936274	6.896895	6.980296	6.901646	6.930846	6.843201	6.842611
PGLYRP4	PGLYRP4	7.207039	7.432573	7.020865	7.274341	7.171502	7.338322	7.211198	7.202402	7.271816	7.348703	7.070237	7.168562
PGM1	PGM1	11.7927	11.12764	12.08548	11.47141	11.9739	12.7627	12.28665	12.58839	12.38074	12.74933	12.64532	12.41956
PGM2	PGM2	8.632075	9.368323	8.878258	8.896727	8.82769	8.595084	8.133049	8.215982	8.037738	7.751365	8.046622	8.002761
PGM2L1	PGM2L1	9.654877	8.876939	8.149178	8.311284	7.869788	8.39727	8.088974	8.288581	8.653672	7.955762	8.205511	7.937416
PGM3	PGM3	8.755119	9.157472	8.881096	9.47951	9.366475	9.701661	9.043156	9.155083	9.173794	9.033761	9.405236	9.100932
PGM5	PGM5	6.895584	7.014475	7.599136	9.402943	9.726857	11.05729	10.45685	10.56189	9.931467	10.28874	9.670144	9.706768
PGM5P2	PGM5P2	6.911786	7.072016	6.798968	7.054838	6.955805	7.117705	7.036548	6.997688	6.981587	7.023668	6.895987	7.014046
PGPEP1	PGPEP1	6.984407	7.154812	6.774872	6.890688	6.899941	7.11529	7.058207	6.958587	7.046816	7.037884	7.053283	7.146336
PGR	PGR	6.760788	7.000313	6.679132	6.963653	6.900175	6.807034	6.776095	6.881268	6.910148	6.919153	6.916767	6.856815

PGRMC1	PGRMC1	13.08055	13.30526	12.70196	12.795	12.54467	12.56703	11.81792	12.07494	12.02485	11.69712	11.93043	11.6474
PGRMC2	PGRMC2	12.06014	12.17541	11.45782	12.23981	12.02021	12.06293	11.98124	11.89807	11.84631	12.05263	11.78589	12.33544
PGS1	PGS1	9.170968	8.97157	8.643541	9.12693	9.016634	9.092431	8.759513	8.860653	8.779404	8.830454	8.828649	8.558505
PH-4	PH-4	7.892904	8.144522	7.25655	7.668769	7.908931	8.434266	8.396271	8.40259	8.450798	8.627273	8.190339	8.779272
PHACS	PHACS	7.150711	7.3499	7.102514	7.147002	7.206688	7.14223	7.051097	7.21821	7.110446	7.018453	6.87568	7.031481
PHACTR1	PHACTR1	7.870611	7.767515	7.30085	7.307866	7.41604	7.632178	7.843192	8.005354	7.847293	8.006947	7.179411	7.943524
PHACTR2	PHACTR2	10.63463	11.139	11.11187	11.27526	11.2118	10.91695	10.06777	10.25234	9.96998	9.904533	9.635571	9.93873
PHACTR3	PHACTR3	6.962476	7.045034	6.807392	7.265152	7.42634	8.02823	7.991829	7.922622	7.808853	7.523135	7.090166	7.047949
PHACTR4	PHACTR4	9.611019	9.585399	9.081429	9.209695	9.391683	9.428016	9.083348	9.142412	9.129385	9.014283	8.922539	8.537767
PHB	PHB	11.50727	11.89394	11.01873	10.90749	10.57979	11.57581	10.91269	10.74408	10.77069	10.79658	10.43022	10.8847
PHB2	PHB2	10.99366	11.14473	10.32569	10.42176	10.3095	10.70323	10.22655	10.19656	10.25298	10.29978	10.19898	10.17269
PHC1	PHC1	10.86171	10.37107	8.570896	8.338973	8.262114	8.595253	8.124509	8.280016	8.013637	8.12708	7.756773	7.884751
PHC2	PHC2	7.037924	7.169088	7.241216	7.582687	7.462092	7.5148	7.317045	7.622	7.486008	7.637787	7.561153	7.399981
PHC3	PHC3	7.182393	7.383716	7.100085	7.415785	7.211565	7.443435	7.086035	7.124019	7.153359	7.141475	6.971019	7.212753
PHCA	PHCA	8.391353	8.440052	8.455501	9.42002	9.203658	9.736088	9.171696	9.273829	8.972762	9.02575	8.54595	8.761078
PHEX	PHEX	6.968497	7.196227	6.838415	7.031537	6.995211	6.946402	6.95406	6.990511	6.992235	7.132364	7.119455	7.210167
PHF1	PHF1	7.87427	8.018069	7.73708	8.070067	7.893337	8.298408	8.086138	8.174532	8.207531	8.263532	8.289055	8.145691
PHF10	PHF10	8.706394	8.793112	8.447121	8.49739	8.168287	7.921364	7.386394	7.586998	7.671037	7.515091	7.729036	7.500519
PHF11	PHF11	8.708839	9.042245	8.517575	8.076995	7.825201	8.441844	8.697702	8.797245	8.801808	9.127999	9.160372	9.008491
PHF12	PHF12	7.312358	7.474758	7.123422	7.449632	7.344185	7.402302	7.217517	7.441711	7.169058	7.264789	7.164902	7.159151
PHF13	PHF13	10.50154	10.82167	10.26363	10.4256	10.31435	10.13483	9.765151	9.792069	9.658298	9.753458	9.667653	9.461975
PHF14	PHF14	8.86372	9.267072	8.65298	8.800774	8.640876	8.711031	8.317775	8.133682	8.288785	8.015603	7.803828	7.753722
PHF15	PHF15	8.199476	9.280008	8.319616	7.453539	7.583346	7.373157	7.279926	7.412348	7.493496	7.559177	7.507621	7.670573
PHF16	PHF16	9.128882	9.416479	9.037633	9.340294	8.828562	8.787936	8.052088	8.187413	8.026475	7.896549	7.851248	7.663781
PHF17	PHF17	9.680648	9.516807	8.229612	8.745351	8.026948	7.619436	7.270605	7.405008	7.417556	7.412587	7.355274	7.442159
PHF19	PHF19	7.641039	8.278603	7.305987	7.727016	7.748032	7.712591	7.704412	7.708659	7.744782	7.821549	7.532468	7.298202
PHF2	PHF2	7.342749	7.567364	7.31735	7.910462	7.925207	8.039016	7.757727	7.845217	7.816648	7.696092	7.712568	7.829146
PHF20	PHF20	8.454415	8.620083	8.002362	8.518773	7.779404	7.974807	7.581745	7.748288	7.605526	7.978214	7.898457	8.162569
PHF20L1	PHF20L1	7.543781	7.845864	7.755805	8.198074	8.142533	8.825096	8.422622	8.523571	8.229652	8.258598	8.101638	8.12382
PHF21A	PHF21A	10.36999	10.92021	9.934109	10.51066	10.73432	10.66556	10.29946	10.24934	10.16824	9.993226	9.33848	9.732244
PHF21B	PHF21B	8.519216	8.290668	7.643193	7.69893	7.348659	7.542743	7.20875	7.135091	7.599914	7.149794	6.91254	6.97191
PHF22	PHF22	9.404584	9.521657	9.893236	10.39654	10.20999	11.2623	10.54098	10.65259	10.6999	10.82044	10.5854	10.54452
PHF23	PHF23	9.62412	10.29129	9.438216	9.873164	9.666129	9.944613	9.600133	9.376166	9.794187	9.520581	9.339987	10.07834
PHF3	PHF3	10.38598	10.62582	10.25038	10.4464	10.1758	10.32367	9.800047	9.880393	9.789433	9.580689	9.369227	9.601288
PHF5A	PHF5A	11.48566	11.92201	11.35271	11.02819	10.57826	10.86428	10.20115	10.26639	10.41606	10.211	10.07995	9.493971
PHF6	PHF6	6.957792	7.167293	6.904476	7.191695	7.082363	7.334424	6.908851	7.014435	6.927806	6.932407	6.789727	6.877671

PHF7	PHF7	7.0103	7.233432	6.97537	7.076994	7.007934	6.982439	6.946959	6.978525	6.953098	6.932491	6.808547	6.813107
PHF8	PHF8	6.986023	7.227248	6.778017	7.021697	6.947111	7.031115	6.837339	6.975194	6.869031	6.957943	6.732	6.857274
PHGDH	PHGDH	14.27991	14.48385	13.11858	14.17405	13.81231	12.36046	12.34325	12.10745	12.59132	11.63849	11.545	12.16086
PHGDHL1	PHGDHL1	9.979175	10.32824	9.551202	9.990432	9.803082	10.23997	9.96806	9.59968	10.05437	9.894343	9.091876	10.25169
PHIP	PHIP	10.7217	11.24936	10.5377	10.81171	10.54974	10.71839	9.944914	9.889017	9.915588	9.448316	9.057173	9.293836
PHKA1	PHKA1	7.417583	7.530542	7.185619	7.53143	7.439445	7.522436	7.34512	7.522628	7.382378	7.440983	7.205811	7.483804
PHKA2	PHKA2	9.429858	9.372147	8.913943	9.308586	9.491464	9.386349	9.047212	8.950988	8.707868	8.547116	8.033249	8.298769
PHKB	PHKB	8.229156	8.809185	8.350001	9.290733	9.106869	9.734579	9.192493	9.281265	8.898796	9.096048	8.911756	8.803279
PHKG1	PHKG1	6.991812	7.07168	6.838501	7.038744	6.982949	7.044887	6.953103	6.844197	7.040669	7.077096	6.910118	6.95064
PHKG2	PHKG2	7.692463	8.060643	7.72295	8.168499	7.769304	8.083935	7.637451	7.729507	7.632926	7.769727	7.639876	7.83546
PHLDA1	PHLDA1	8.972788	11.09605	9.958056	9.304515	8.988652	9.872358	10.0328	10.81879	10.47598	10.86932	11.957	11.09166
PHLDA2	PHLDA2	7.072488	7.900127	7.274644	7.337402	7.011025	7.266048	7.029502	7.13629	7.159128	7.324598	7.41864	7.215015
PHLDA3	PHLDA3	7.876504	7.885635	7.344896	8.211028	8.226899	9.484687	8.774586	8.930861	8.736428	8.86407	9.146927	9.000147
PHLDB1	PHLDB1	10.12176	10.11577	9.218039	10.09455	10.12452	10.30908	10.05036	10.11586	10.12159	10.11869	10.00572	10.2213
PHLDB2	PHLDB2	7.675431	7.779371	8.376174	9.144879	8.933291	9.241748	9.25703	9.349729	8.832535	9.106708	8.965752	8.842809
PHLDB3	PHLDB3	6.919537	7.051102	6.877765	7.119385	7.063923	7.203899	7.020729	6.965796	7.049536	6.985336	6.764522	6.846021
PHLPP	PHLPP	8.401165	8.38165	7.491498	8.027861	7.707996	7.485512	7.186064	7.132455	7.101722	7.248073	6.936573	6.949964
PHLPPL	PHLPPL	8.305601	7.980578	7.800645	8.134063	7.754367	8.120644	7.715662	7.744625	7.744433	7.720398	7.456546	7.481663
PHOSPHC	PHOSPHC	6.822696	7.093943	6.868174	7.081266	7.008646	7.02027	6.932802	7.012597	6.977797	6.986677	6.816127	6.87712
PHOSPHC	PHOSPHC	7.845428	8.124068	7.408017	7.603562	7.531367	7.77094	7.532431	7.490763	7.482524	7.386196	7.217168	7.207454
PHOX2A	PHOX2A	6.967626	7.071846	6.686889	7.059206	6.962984	7.096151	7.004516	7.002572	6.979062	6.853817	6.876135	6.789461
PHOX2B	PHOX2B	6.906913	7.018752	6.807413	6.978455	6.905001	7.033082	6.936894	6.966151	7.092162	6.984381	6.808959	6.874214
PHPT1	PHPT1	10.79276	11.46759	11.06959	11.88231	12.24017	12.89858	12.73251	12.15402	12.46774	12.38369	11.85801	11.99757
PHTF1	PHTF1	8.308312	8.880108	8.394872	9.066411	8.815016	9.371209	8.960453	8.750172	8.598667	8.548266	8.329918	8.230319
PHTF2	PHTF2	7.142042	7.384899	6.974202	7.240791	7.287064	7.484796	7.29895	7.729971	7.416751	7.555007	7.543779	7.393172
PHYH	PHYH	9.308848	9.376942	8.673202	8.718055	8.708914	9.989506	9.720119	9.681725	10.05075	10.08342	9.757513	10.12395
PHYH2	PHYH2	11.60653	11.95509	11.13774	10.38544	9.727697	10.4199	9.659312	9.761827	9.726714	9.639765	9.322341	9.502622
PHYHD1	PHYHD1	7.130538	7.572774	7.034632	7.507005	7.42922	7.531919	7.466823	7.421357	7.198124	7.397585	7.067295	6.940844
PHYHIP	PHYHIP	7.16016	7.427927	7.081475	7.229324	7.197809	7.352054	7.243297	7.239894	7.305096	7.478058	7.095534	7.239664
PHYHIPL	PHYHIPL	6.933237	7.139313	6.787383	6.998841	7.003479	7.125917	7.140132	7.195143	7.439783	7.092972	6.917546	6.9161
PI15	PI15	7.337503	7.494441	7.310766	7.516385	7.402326	7.581608	7.585069	7.473151	7.639525	7.576152	7.467293	7.324748
PI16	PI16	6.840659	7.102302	6.822335	6.985858	6.898871	7.026611	6.956444	6.89299	6.909909	6.915723	7.032023	6.895571
PI3	PI3	6.727838	7.076215	6.771786	6.976607	6.88495	6.935454	6.946564	6.898052	6.872239	6.9157	6.879399	6.823066
PI4K2B	PI4K2B	8.35074	8.78161	8.567846	8.723397	8.56222	8.01024	7.634402	7.819202	7.622543	7.415371	7.754077	7.656669
PI4KII	PI4KII	7.715286	8.100418	7.586231	7.974542	7.727354	7.908315	7.636525	7.758356	7.64793	7.710459	7.609276	7.528132
PIAS1	PIAS1	9.011204	9.441311	9.186801	10.0608	9.726216	10.21894	9.662167	9.952433	9.785573	9.833988	9.322086	9.50218

PIAS2	PIAS2	8.402883	8.51138	7.810804	7.842115	7.684295	8.023668	7.800226	7.819678	7.76098	7.748219	7.621372	7.958822
PIAS3	PIAS3	7.877192	7.986949	7.546872	7.741898	7.734615	7.667003	7.627562	7.670607	7.59155	7.631319	7.719775	7.432084
PIAS4	PIAS4	10.86703	11.10266	10.52242	10.94344	10.69892	10.75405	10.07685	9.904963	10.17037	9.901478	9.361207	10.25193
PIB5PA	PIB5PA	7.442359	7.849087	7.122037	7.592372	7.718641	9.130802	9.233537	9.297437	9.318324	9.288777	8.437594	8.746945
PICALM	PICALM	7.957635	8.687925	8.165741	8.976848	9.014397	9.943554	9.149411	9.28278	9.122748	9.378504	9.830593	9.761423
PICK1	PICK1	9.101363	9.386879	8.623526	9.111085	9.173005	9.550883	9.397884	9.05227	9.337525	9.230497	8.32847	9.348941
PIF1	PIF1	9.9206	9.563136	8.758331	8.65378	8.171947	7.595981	7.482444	7.532833	7.362748	7.264744	6.94882	6.946326
PIG38	PIG38	6.863286	7.065765	6.772249	7.057537	7.056987	7.247762	7.011288	7.020803	6.923679	7.049804	6.997198	6.9457
PIGA	PIGA	8.309183	8.453053	8.395124	8.586712	8.383612	8.430998	8.026268	8.097584	8.155638	8.043319	7.935611	8.006411
PIGB	PIGB	8.056393	8.271502	7.841063	8.1018	8.268203	8.193141	8.020921	8.239032	8.201612	7.946183	8.137267	8.246446
PIGC	PIGC	9.235797	9.493591	9.424017	9.521069	9.508085	9.520945	9.193936	9.316054	9.309902	9.162284	9.28065	8.954839
PIGF	PIGF	9.093849	9.346246	8.757344	9.036128	8.971723	9.380122	8.839617	8.781027	8.863104	8.669538	8.901396	8.34191
PIGG	PIGG	7.709604	8.082561	7.677299	8.027526	7.684205	7.811937	7.590384	7.65997	7.628889	7.531342	7.595576	7.584091
PIGH	PIGH	7.477667	7.758844	7.522917	8.211932	9.027009	8.804103	8.492734	8.466959	8.594002	8.57936	8.46586	8.653857
PIGK	PIGK	8.569522	9.200646	8.684186	8.84184	8.582768	9.032902	8.696164	8.969354	8.926263	8.87316	9.04128	9.311236
PIGL	PIGL	7.533405	7.425735	7.205979	7.390718	7.173255	7.248718	6.980244	7.121192	7.076817	7.13024	6.915933	6.978943
PIGM	PIGM	8.499576	9.257266	8.268936	8.468442	8.38935	8.801429	8.633164	8.308226	8.644445	8.525787	8.281658	8.489352
PIGN	PIGN	8.529348	8.612531	8.723765	8.838795	8.66276	8.955704	8.474837	8.703245	8.488743	8.51299	8.273672	8.422448
PIGO	PIGO	7.660147	7.822348	7.499044	7.693724	7.609434	7.749001	7.497026	7.597175	7.493407	7.560038	7.516531	7.701421
PIGQ	PIGQ	8.77093	9.434836	9.202742	10.00933	9.827382	9.534705	9.488138	8.939384	9.282525	9.103603	8.431818	9.324367
PIGR	PIGR	6.93854	7.133694	6.866264	7.069306	6.931342	6.986974	6.867057	6.919585	6.910501	7.013513	6.821476	6.854575
PIGS	PIGS	8.404513	8.557801	8.192284	8.617582	8.771843	9.456674	9.126926	9.196508	9.058957	9.329166	9.167696	8.96139
PIGT	PIGT	9.831487	10.03761	9.514399	9.857526	9.754028	10.32663	10.02947	10.41265	10.01278	10.33403	10.50955	10.53734
PIGV	PIGV	8.62926	8.895013	8.169595	8.171664	8.368236	8.414441	8.217073	8.033038	8.241723	8.183913	8.032873	8.087384
PIGW	PIGW	7.960021	8.31829	7.661926	7.691386	7.408374	7.68076	7.316133	7.491009	7.381665	7.419044	7.327597	7.417714
PIGX	PIGX	7.350347	7.886918	7.311085	7.699428	7.551481	7.665193	7.781756	7.41636	7.56209	7.435378	7.199959	7.443263
PIGY	PIGY	10.98402	11.26938	11.00413	11.28934	11.47118	12.19374	11.77729	11.76331	11.90184	11.79015	11.77321	11.27726
PIGZ	PIGZ	6.83733	7.065883	6.808183	7.082323	7.168158	7.518513	7.523719	7.743305	7.39037	7.822182	7.679818	7.342138
PIK3AP1	PIK3AP1	6.90899	7.13818	6.733177	6.967119	6.952451	6.962447	6.951364	6.835374	6.843653	6.951825	6.830375	6.795731
PIK3C2A	PIK3C2A	7.888562	8.128018	7.817679	8.291929	7.644591	8.019886	7.62049	7.647894	7.56187	7.704967	7.641611	7.626762
PIK3C2B	PIK3C2B	7.979016	8.026187	7.990796	8.51134	8.508457	8.054233	8.063443	7.914054	8.123808	7.691726	7.299765	7.505573
PIK3C2G	PIK3C2G	6.759426	7.042295	6.819464	7.002679	6.809947	6.92546	6.847014	6.927509	6.816301	6.825535	6.690533	6.72676
PIK3C3	PIK3C3	7.511634	7.968765	7.607665	7.972586	7.704622	7.922281	7.733754	7.560336	7.61188	7.643919	7.402951	7.782093
PIK3CA	PIK3CA	7.265059	7.576433	7.374981	7.737858	7.762988	7.927383	7.707387	7.48463	7.575515	7.549453	7.410069	7.849313
PIK3CB	PIK3CB	7.5671	7.892793	7.672471	7.593382	7.37155	7.656597	7.430408	7.698454	7.568881	7.532872	7.639962	7.520847
PIK3CD	PIK3CD	7.976615	8.357794	7.172385	7.548228	7.197403	7.400074	7.0948	7.10424	7.203177	7.198156	6.965594	7.025553

PIK3CG	PIK3CG	6.830212	7.052472	6.762658	6.955903	6.988724	6.849678	6.80643	6.891387	6.956983	6.909866	6.809153	6.875032
PIK3R1	PIK3R1	7.119254	7.31527	7.745687	7.833172	7.920126	7.940291	8.153713	8.236855	8.226975	8.315208	7.663344	7.897923
PIK3R2	PIK3R2	12.03239	11.92047	11.46444	11.7922	11.64844	11.57226	11.72228	11.72178	11.75456	11.60924	11.24275	11.71568
PIK3R3	PIK3R3	6.998465	7.290038	7.191174	7.318646	7.175295	7.396057	7.195763	7.278033	7.200143	7.399277	7.002878	7.210699
PIK3R4	PIK3R4	7.884102	8.186261	7.808075	8.061514	7.655465	7.965757	7.601116	7.527963	7.399791	7.603531	7.460396	7.534214
PIK3R5	PIK3R5	6.793335	7.001029	6.773921	6.993606	7.044072	7.013753	7.140918	6.955061	6.897122	7.022484	6.798259	6.89268
PIK4CA	PIK4CA	9.233583	9.466883	9.369598	10.11907	10.16526	10.04401	9.917366	9.698629	9.86467	9.669602	9.038448	9.493099
PIK4CB	PIK4CB	8.052322	8.431631	7.91563	8.351381	8.418995	8.892565	8.339181	8.645345	8.286069	8.541971	8.722854	8.228333
PILRA	PILRA	6.943172	7.275696	6.936187	7.207161	7.147558	7.264139	7.144346	7.145593	7.091901	7.14278	6.910854	7.042228
PILRB	PILRB	7.47832	7.744149	7.419419	7.770287	7.651883	7.645317	7.439186	7.502459	7.43567	7.40004	7.097131	7.034082
PIM1	PIM1	9.503077	10.16519	9.255077	9.607014	8.768442	8.859431	8.182767	8.578038	8.925071	9.317503	9.72379	8.91018
PIM2	PIM2	11.21296	11.7406	9.726259	8.395706	7.969193	8.164335	7.899252	8.031651	8.058485	8.079522	8.056776	8.162036
PIM3	PIM3	7.273569	7.537706	7.087716	7.306198	7.30643	7.433133	7.085116	7.230167	7.188459	7.247411	7.151526	7.275487
PIN1	PIN1	11.43058	11.73628	11.29273	11.65355	11.76423	12.22846	12.10696	11.98749	12.02976	12.38101	12.07528	11.92634
PIN4	PIN4	7.764203	8.08744	7.699345	8.063799	8.036097	9.008015	8.497897	8.506772	8.506747	8.329326	7.877751	7.828591
PINK1	PINK1	7.455415	7.863815	7.637261	7.850125	8.20707	9.312633	9.159299	9.244887	9.09325	9.493719	9.347971	9.41402
PINX1	PINX1	8.683869	8.962752	8.313036	8.213143	7.928485	7.984211	7.756913	7.716238	7.728414	7.78299	7.68641	7.757428
PIP	PIP	6.835792	6.961161	6.786083	7.013244	6.952775	6.90875	6.811337	6.938116	6.806458	6.882702	6.665408	6.835766
PIP3-E	PIP3-E	7.035688	7.215284	6.923067	7.202329	7.055105	7.311838	6.958312	7.046111	7.044593	7.04868	6.890901	6.982488
PIP5K1A	PIP5K1A	6.970573	7.415838	7.018842	7.175716	7.141529	7.519199	7.556636	7.474219	7.381076	7.44154	7.210236	7.556902
PIP5K1B	PIP5K1B	6.979302	7.157121	6.823523	7.072905	7.145072	7.365934	7.25059	7.395661	7.364442	7.451369	7.107066	7.397375
PIP5K1C	PIP5K1C	8.739495	8.754767	8.537372	9.223301	8.832664	8.5008	8.361704	8.774161	8.467779	8.540651	8.857332	8.734752
PIP5K2A	PIP5K2A	7.408946	7.41429	7.096402	7.447878	7.115373	7.37979	7.248014	7.341301	7.193605	7.334955	7.226186	7.220207
PIP5K2B	PIP5K2B	9.21679	10.04756	9.534072	9.909366	9.981965	9.98818	9.812782	9.349725	9.631202	9.344137	8.775256	9.373345
PIP5K2C	PIP5K2C	8.034879	8.189955	7.957361	8.040863	8.008174	8.149415	7.843699	7.81101	7.822722	7.896103	7.979917	7.909147
PIP5K3	PIP5K3	6.885607	7.099102	6.857837	7.029647	6.960923	7.076751	6.915278	7.014595	6.943279	6.985637	6.848673	6.872969
PIP5KL1	PIP5KL1	7.263029	7.362996	6.941559	7.134395	7.152215	7.074846	7.069838	6.945099	6.905219	7.073659	6.85589	6.920393
PIPOX	PIPOX	8.784889	8.182021	6.849103	7.058476	7.046037	7.219129	6.952293	6.995088	6.924444	6.961868	6.841936	6.894087
PIR	PIR	8.58509	8.615564	8.113552	8.343781	7.894685	8.480537	8.42428	8.519259	8.698138	8.739674	8.514029	8.340513
PISD	PISD	8.704576	9.138576	8.354188	8.624488	8.423947	8.38839	8.149702	8.281691	8.155522	8.327545	8.538456	8.160653
PITPNA	PITPNA	8.040656	8.140316	7.99252	8.495225	8.510302	8.788248	8.328574	8.323645	8.398211	8.586595	8.133169	8.276609
PITPNB	PITPNB	8.859398	8.837772	8.742838	9.447635	8.946032	9.686971	9.442551	9.503918	9.256792	9.455448	9.05339	8.970454
PITPNC1	PITPNC1	8.57047	8.802525	7.750262	7.620281	7.281559	7.130897	7.182642	7.350609	7.229377	7.197236	7.387139	7.225969
PITPNM1	PITPNM1	9.163451	9.470808	9.497391	9.435436	9.15582	9.247236	8.926151	9.268467	9.100841	9.424587	10.04263	9.275805
PITPNM2	PITPNM2	7.030582	7.380808	6.918393	7.159912	6.97695	7.194613	7.032723	7.154845	6.994529	7.135232	7.004778	7.039632
PITPNM3	PITPNM3	6.775108	7.095886	6.746355	6.92826	6.989563	6.855707	6.788357	6.968199	6.816923	6.835528	6.758414	6.771013

PITRM1	PITRM1	8.127827	8.261436	8.298288	8.828321	8.668843	9.533538	9.221566	9.372706	9.156538	9.445356	9.634031	9.498377
PITX1	PITX1	6.889094	7.013523	9.024054	12.23357	12.44294	9.984753	8.048627	8.038203	9.318879	7.60661	7.375083	7.207012
PITX2	PITX2	6.925683	7.094099	7.038833	9.478375	9.921083	8.632724	7.903737	7.889205	8.402118	7.913713	7.550111	7.529754
PITX3	PITX3	7.017785	7.167739	6.874662	7.025555	7.106691	7.111874	6.973371	6.982523	6.975968	7.089497	6.935431	6.927288
PIWIL1	PIWIL1	6.807648	7.039927	6.823384	7.022612	6.945307	7.01502	6.878739	6.942954	6.949222	6.89935	6.764287	6.860535
PIWIL2	PIWIL2	8.011031	7.66483	6.984663	7.034933	6.938982	7.06487	6.933292	6.95388	6.943764	6.996617	6.824164	6.879503
PIWIL3	PIWIL3	6.742753	7.041861	6.862372	7.006203	6.897041	6.900949	6.972456	6.940567	6.846789	6.888649	6.742956	6.825471
PIWIL4	PIWIL4	6.841097	6.977093	6.860492	7.080369	7.021899	7.25353	7.021883	7.084628	7.059941	7.070748	6.862904	6.893094
PJA1	PJA1	7.795484	8.300625	8.338399	8.540082	8.615772	9.017434	8.439051	8.78106	8.580091	8.617139	8.453458	8.019232
PJA2	PJA2	11.40038	11.69768	11.48133	12.16873	12.27436	12.78867	12.44599	12.50694	12.73057	12.33858	11.99954	12.02927
PJCG6	PJCG6	6.847366	7.329055	7.117382	7.180718	7.233104	7.70768	7.371315	7.376479	7.348329	7.377014	6.995512	7.185392
PKD1	PKD1	7.45402	7.583149	7.380345	7.807977	7.547847	7.806892	7.736474	7.91908	7.904523	7.917931	8.035433	7.77728
PKD1L1	PKD1L1	6.937536	7.09993	6.891715	7.118786	6.993372	7.043803	6.88853	7.050571	6.89608	6.928296	6.8768	6.927575
PKD1L2	PKD1L2	7.055334	7.190976	6.858962	6.981817	6.94953	7.022987	6.818016	6.955068	6.940023	6.967771	6.860364	6.9192
PKD1L3	PKD1L3	6.872695	7.099771	6.802998	7.142507	6.991355	7.065528	7.046909	7.012635	6.970601	7.031775	6.845545	6.898891
PKD2	PKD2	8.939349	9.351458	8.854473	9.302432	9.291017	9.224793	9.090374	9.09878	8.997433	8.829491	8.880256	8.73821
PKD2L1	PKD2L1	6.854089	7.011094	6.812247	6.916106	6.843445	6.90517	6.810779	6.914216	6.746063	6.894085	6.623597	6.737341
PKD2L2	PKD2L2	6.900853	7.173217	6.914953	7.071918	6.964477	7.044916	6.901943	6.97918	6.944192	7.015035	7.040166	6.902753
PKDREJ	PKDREJ	6.916723	7.119874	6.904456	6.916162	6.890942	6.994973	6.881975	6.91253	6.848191	6.891296	6.805237	6.992727
PKHD1	PKHD1	7.002338	7.199205	6.838664	7.127068	7.004256	7.098483	6.97066	7.030613	6.989002	7.056112	6.864567	6.921416
PKHD1L1	PKHD1L1	6.893318	7.172023	6.995386	7.058785	7.146179	7.132958	6.986109	7.149866	7.081697	7.061393	6.939926	6.876897
PKIA	PKIA	9.266142	9.388932	8.445215	10.38031	10.68145	10.97135	10.50482	10.29925	10.38836	10.1237	9.587213	9.997527
PKIB	PKIB	7.247104	7.347565	7.294149	7.191034	7.150465	7.339722	8.121196	8.63555	8.498364	8.533955	8.861974	7.889703
PKIG	PKIG	6.917665	7.297515	7.066375	7.401314	7.202438	7.34946	7.397854	7.47345	7.517761	7.904218	7.808284	7.812154
PKLR	PKLR	6.948632	7.140529	6.844871	7.015934	6.961046	6.98298	6.90265	6.975202	6.923615	6.971337	6.820536	6.870917
PKM2	PKM2	9.73761	10.02838	9.91051	10.07023	9.749126	10.2611	9.788605	9.96691	9.83714	10.05635	10.61758	10.40647
PKMYT1	PKMYT1	8.037763	8.325687	7.66054	7.744469	7.346727	7.461064	7.313867	7.361515	7.198428	7.238619	7.049621	6.856055
PKN1	PKN1	7.382991	7.538287	7.054368	7.331579	7.237915	7.453348	7.242487	7.331618	7.304213	7.351697	7.454814	7.284866
PKN2	PKN2	7.693354	8.324761	8.339405	8.897035	8.635744	9.151791	8.387468	8.266957	8.280044	8.323213	7.836247	8.324975
PKN3	PKN3	7.886104	7.946792	7.567665	7.999171	7.571777	7.429869	7.126644	7.288067	7.228498	7.167258	7.111789	6.977143
PKNOX1	PKNOX1	7.767732	7.950388	7.280329	8.167433	8.059622	7.985196	7.761591	7.778077	7.756799	7.806453	7.522353	7.616221
PKNOX2	PKNOX2	7.070897	7.25361	7.849657	8.089629	7.711299	7.557979	7.204252	7.322495	7.659657	7.271206	7.217348	7.056998
PKP1	PKP1	6.851944	7.084443	6.878024	7.012208	6.916763	7.018097	6.870982	6.953634	6.877981	6.966698	6.919346	6.885301
PKP2	PKP2	8.465121	8.338138	8.542512	11.0535	11.15566	12.18147	11.16244	11.50384	10.49163	11.03367	10.8031	9.95924
PKP3	PKP3	6.934728	7.112389	6.878373	7.098933	6.982565	7.047238	6.945578	6.977472	6.947424	7.025943	6.918238	6.885791
PKP4	PKP4	9.87957	9.802917	9.284666	9.334917	8.877468	9.232762	8.672725	8.768556	8.78236	8.8938	8.490306	8.800755

PLA1A	PLA1A	6.816605	6.983489	6.761271	6.946918	6.82598	7.026417	6.821082	6.917996	6.846291	6.835974	6.795121	6.850002
PLA2G10	PLA2G10	7.866298	8.068506	6.976799	7.158966	7.072648	7.126102	6.928942	6.987369	6.854968	6.909673	6.775238	6.863172
PLA2G12A	PLA2G12A	7.222641	7.562301	7.200757	7.517057	7.738638	7.868603	7.766375	7.588024	7.713315	7.521866	7.525505	7.624555
PLA2G12B	PLA2G12B	6.906525	7.209277	6.964987	7.544175	7.156977	7.319854	6.978419	7.159778	7.208879	7.09974	6.917874	7.221441
PLA2G1B	PLA2G1B	6.759982	7.032498	6.739064	6.98515	6.96014	6.883142	6.84806	6.906243	6.887458	6.880515	6.816907	6.857682
PLA2G2A	PLA2G2A	7.103535	7.195756	6.887699	7.114997	6.999768	7.049324	6.867779	7.025387	7.024673	6.933321	6.896889	6.872857
PLA2G2D	PLA2G2D	7.758111	8.465795	7.981844	8.368075	8.411908	8.336108	8.390552	7.991899	8.261976	7.990984	7.600885	7.926853
PLA2G2E	PLA2G2E	6.879373	7.122294	6.939223	7.105338	6.86887	7.007666	6.891348	6.98502	6.940193	6.936632	6.898334	6.75484
PLA2G2F	PLA2G2F	6.897072	7.034727	6.858679	7.083353	7.032666	7.066348	6.872927	6.926812	6.9209	7.010302	6.968396	6.888301
PLA2G3	PLA2G3	10.27614	9.07371	7.900839	7.579493	7.39992	7.242061	7.188201	7.053989	7.207895	6.999159	6.843057	6.859872
PLA2G4A	PLA2G4A	6.921794	7.149068	6.868968	7.142382	7.069801	6.979962	7.144792	7.020062	7.185711	7.142696	7.26473	7.352834
PLA2G4B	PLA2G4B	8.796835	8.952524	8.623862	9.427924	9.453705	9.384417	9.420099	9.057702	9.157246	8.816047	7.867922	8.321042
PLA2G4C	PLA2G4C	7.857346	7.674229	7.129637	7.239818	7.579791	10.1723	9.946939	10.34912	10.19757	10.6515	9.742364	10.33587
PLA2G4D	PLA2G4D	6.820449	7.038198	6.758513	6.997541	7.005936	6.9523	6.859819	6.959544	6.885187	6.995127	6.836968	6.886228
PLA2G4E	PLA2G4E	6.922806	7.159288	6.804623	7.015733	7.002519	7.081618	6.925595	7.032038	6.873884	6.978104	6.811606	6.885734
PLA2G4F	PLA2G4F	6.87966	7.062961	6.790048	6.997202	6.959897	6.938448	6.860146	7.054378	6.962749	7.02763	6.740361	6.838389
PLA2G5	PLA2G5	6.840114	7.027535	6.788582	6.96379	6.80592	6.882637	6.844973	6.928843	6.933189	6.979906	6.800488	6.923844
PLA2G6	PLA2G6	6.941394	7.131146	6.927163	7.140527	7.103411	7.134407	6.989351	6.963611	7.024463	7.103682	6.987849	6.939246
PLA2G7	PLA2G7	7.898746	8.082181	7.294935	7.223165	6.976474	6.839659	6.736849	6.933822	6.87544	6.862643	6.7528	6.851403
PLA2R1	PLA2R1	6.960993	7.069134	6.778421	7.019162	6.912855	6.91207	6.909386	6.943994	6.901228	6.912281	6.791216	6.825976
PLAA	PLAA	7.347303	7.662232	7.162373	7.335445	7.189587	7.393221	7.280707	7.283444	7.268273	7.258863	7.108929	7.227995
PLAC1	PLAC1	6.957876	7.181951	6.836635	7.471313	7.537498	7.676287	7.518766	7.673382	7.437285	7.313216	7.046295	7.016646
PLAC2	PLAC2	7.397029	7.625935	7.207768	7.522452	7.408979	7.721066	7.229245	7.403773	7.383214	7.433949	7.228969	7.362723
PLAC4	PLAC4	6.854085	7.14199	6.759004	7.032778	7.038662	7.035238	6.977351	7.015994	6.853963	6.899405	6.776585	6.870166
PLAC8	PLAC8	6.904186	7.233753	6.973242	7.097289	7.161697	7.672827	7.003525	7.000267	6.881057	6.959724	6.796074	6.840751
PLAC8L1	PLAC8L1	7.270595	7.679358	7.115254	7.465754	7.459232	7.528742	7.165023	7.145014	7.123721	7.194607	6.928863	6.935042
PLAC9	PLAC9	8.354083	8.853979	7.523322	8.073473	9.43463	7.295498	7.347385	7.552482	8.968842	7.515976	8.364235	7.13043
PLAG1	PLAG1	7.898653	8.13963	7.951645	8.217997	8.308048	8.584811	8.315318	8.20132	8.290723	8.033424	7.517558	8.046902
PLAGL1	PLAGL1	6.958082	7.105582	7.488478	8.538645	8.782225	8.20561	7.863508	7.912197	7.887161	7.665157	7.758626	7.570127
PLAGL2	PLAGL2	9.527071	9.59104	9.282111	9.90072	9.761804	10.09705	9.6926	9.815613	9.388122	9.409712	9.202096	8.965621
PLAT	PLAT	7.215398	8.485969	8.143267	10.69398	10.45352	9.843752	9.705408	9.837386	9.320658	8.842451	10.45739	10.01052
PLAU	PLAU	8.67161	10.52621	9.453828	8.891365	7.55227	7.681102	7.646468	7.988272	7.90268	8.37784	10.06094	9.980546
PLAUR	PLAUR	7.379926	7.724681	7.306194	7.246258	7.104319	7.407595	7.28006	7.664065	7.696157	7.896393	8.693292	8.160386
PLB1	PLB1	7.034962	7.239434	7.03209	7.169101	7.026808	7.37147	7.085591	7.087007	7.119387	7.110176	6.906745	6.971525
PLCB1	PLCB1	7.157332	7.280381	7.314585	7.35447	7.51191	7.431032	7.403722	7.521474	7.630839	7.530202	7.284619	7.242522
PLCB2	PLCB2	7.133654	7.366943	6.860398	7.372972	7.235273	7.411564	7.491107	7.865964	7.342572	7.778176	7.194252	7.47314

PLCB3	PLCB3	7.196562	7.288746	6.924407	7.199693	6.959415	7.221289	7.037793	7.051116	7.038956	7.086701	6.879443	6.949121
PLCB4	PLCB4	7.16852	7.437414	7.116536	7.400443	7.400798	7.75632	7.458932	7.447097	7.278884	7.389529	6.976797	7.372924
PLCD1	PLCD1	7.466147	7.510209	7.390435	7.874944	7.652869	7.415267	7.330977	7.415174	7.303343	7.308657	7.232995	7.191545
PLCD3	PLCD3	6.992712	7.427713	6.925528	7.28585	7.188274	7.712626	7.521816	7.415997	7.318228	7.441349	7.466551	7.414223
PLCD4	PLCD4	6.951663	7.059051	6.936923	7.142783	6.945441	6.994442	7.038186	7.096261	7.061309	6.988644	6.922108	7.029817
PLCE1	PLCE1	6.82153	7.233387	7.19224	8.089471	7.657222	7.49927	8.009946	8.375106	8.051153	8.265611	7.680078	7.326187
PLCG1	PLCG1	8.898344	9.24559	8.961304	9.285788	9.213737	8.619985	8.541513	8.089854	8.719961	8.25112	7.933934	7.904839
PLCG2	PLCG2	8.413121	8.807167	8.724346	7.94331	7.861711	8.478341	8.758275	8.988178	8.925822	9.18567	8.138042	8.136705
PLCH1	PLCH1	8.026269	8.490821	7.442768	7.467465	7.120075	6.881531	6.878739	6.936155	7.015	6.965428	6.631065	6.757476
PLCH2	PLCH2	7.229809	7.624312	7.183945	7.446839	7.75544	7.36658	7.24569	7.259614	7.609617	7.262312	7.097367	7.251786
PLCL1	PLCL1	6.902417	7.268804	6.928494	7.13418	7.182756	8.062561	7.733963	7.877694	7.835913	7.892113	7.635573	7.710993
PLCL2	PLCL2	9.594967	10.22402	8.906425	9.952759	9.80191	10.75394	9.995208	9.973443	9.690793	9.840796	9.03009	9.825694
PLCL4	PLCL4	6.998809	6.924193	6.774855	6.909407	6.932394	6.900156	6.82251	6.851924	6.748089	6.886425	6.711744	6.861283
PLCXD1	PLCXD1	10.86942	10.68921	9.864366	9.608824	9.46592	8.905075	8.806897	8.608454	8.612117	8.34678	8.073458	7.76387
PLCXD2	PLCXD2	6.853311	7.083703	6.816885	6.972879	6.985484	7.007261	6.926552	7.010975	6.957925	6.954547	6.779535	6.856697
PLCXD3	PLCXD3	6.888034	7.102617	8.463071	7.21364	7.42609	8.79604	8.919126	9.119105	8.532465	8.829307	7.988753	8.638435
PLCZ1	PLCZ1	6.852762	6.981663	6.865044	7.068987	6.961433	6.887161	6.864114	6.952349	6.929321	6.916771	6.870828	6.786935
PLD1	PLD1	7.165568	7.404057	7.291746	8.099707	7.908902	8.482972	8.425655	8.43644	8.458952	8.443217	7.962515	8.074171
PLD2	PLD2	7.769762	7.982662	7.533177	7.801407	7.702599	7.138523	7.087077	7.14384	7.190766	7.105465	6.951142	7.132041
PLD3	PLD3	10.0137	10.72067	9.633223	10.75661	11.17886	10.75154	10.69602	10.43903	10.60778	10.17374	9.668304	10.42686
PLD4	PLD4	6.755798	7.080178	6.852923	7.067646	6.909303	7.100723	6.963163	6.934988	6.945113	6.95284	6.673929	6.83208
PLD5	PLD5	8.090996	7.418153	7.315614	7.234148	7.354693	7.0108	6.98279	7.06777	6.93409	6.959787	6.836107	6.781007
PLDN	PLDN	9.307084	9.787111	9.535141	9.810117	9.785656	9.822165	9.61577	9.331008	9.522562	9.378467	9.327277	9.678758
PLEC1	PLEC1	6.942141	7.140965	6.893978	7.128815	7.017536	7.016112	6.938999	7.041095	6.974631	7.051784	7.200051	6.996286
PLEK	PLEK	6.918983	7.261444	6.959369	7.073149	7.084845	7.070533	7.036877	6.999757	7.020691	7.068261	6.932979	6.989792
PLEK2	PLEK2	7.199771	7.305682	7.017589	7.443181	7.192332	7.238074	6.997086	7.144542	7.123097	7.138257	7.309302	7.161445
PLEKHA1	PLEKHA1	10.40267	10.58041	9.895533	10.21962	10.28813	10.65762	10.43186	10.42704	10.32373	10.21028	10.09745	10.53177
PLEKHA2	PLEKHA2	7.644959	7.997805	7.117501	7.623653	8.307509	8.488505	8.469655	8.492084	8.488546	8.480979	8.279186	8.742954
PLEKHA3	PLEKHA3	7.613995	8.092495	7.649336	7.825493	7.982306	8.479802	8.130057	8.303011	8.25887	8.321199	8.621411	8.367869
PLEKHA4	PLEKHA4	7.795848	8.348559	7.272121	8.086129	8.399243	8.118764	8.83073	8.972936	8.881734	9.345998	9.011659	8.429455
PLEKHA5	PLEKHA5	8.628321	9.120862	8.531265	8.712771	8.656927	9.339277	9.434501	8.786657	9.19455	8.891055	8.02686	8.691904
PLEKHA6	PLEKHA6	7.464719	7.322271	7.840474	8.582027	8.463822	9.331822	9.443159	9.121534	9.126139	8.930266	7.462824	7.470992
PLEKHA7	PLEKHA7	7.446437	7.824862	7.237583	7.927383	8.149397	10.08362	9.875713	10.10126	9.825652	10.33563	9.562755	9.359666
PLEKHA8	PLEKHA8	6.873116	7.048619	6.988363	7.0844	7.146499	6.949189	7.002195	6.996222	6.942574	6.964358	6.806426	6.895068
PLEKHA9	PLEKHA9	9.174284	9.113784	8.552763	8.96668	8.492654	8.670401	8.311183	8.228896	8.137203	7.958357	7.827479	7.849344
PLEKHB1	PLEKHB1	7.641304	7.988379	7.702864	7.662605	7.376867	7.465157	7.425511	7.371153	7.233969	7.413202	7.12899	7.12999

PLEKHB2	PLEKHB2	8.763801	8.995999	8.339851	8.413447	8.169228	9.021441	8.605918	8.744094	8.640079	8.826433	9.047636	9.138946
PLEKHC1	PLEKHC1	12.19995	12.861	13.36998	13.39586	12.58801	13.56025	12.98977	13.02551	13.12672	12.8929	12.56769	12.62826
PLEKHF1	PLEKHF1	8.901	8.137914	7.653667	7.537367	7.436717	7.335554	7.398699	7.449195	7.606179	7.658154	7.750332	7.861203
PLEKHF2	PLEKHF2	7.315662	7.558679	7.201343	7.443151	7.27158	7.526997	7.302873	7.439603	7.47702	7.442931	7.215642	7.28049
PLEKHG1	PLEKHG1	7.005016	7.350215	6.910205	7.233105	7.250185	7.351664	7.203335	7.290157	7.272781	7.287298	7.023362	7.185543
PLEKHG2	PLEKHG2	7.598664	7.833246	7.900123	8.048959	7.617164	7.7918	7.611956	7.631213	7.483176	7.575716	7.575398	7.211579
PLEKHG3	PLEKHG3	9.362227	9.535447	8.943819	10.00366	9.85342	9.64128	9.168307	9.033869	9.0024	8.646872	8.208805	8.111078
PLEKHG4	PLEKHG4	7.658096	7.984382	7.208036	7.309062	7.137439	7.079313	7.167124	7.128418	7.121799	7.128366	7.243937	7.177986
PLEKHG5	PLEKHG5	6.902172	7.115858	6.807363	7.037646	6.928273	6.980137	6.866087	6.984353	6.957657	6.905531	6.769743	6.881559
PLEKHG6	PLEKHG6	7.513636	7.794024	7.095862	7.132543	6.996232	6.886315	6.919436	6.914539	6.884668	6.910426	6.79444	6.785395
PLEKHH1	PLEKHH1	8.510597	8.629862	7.858315	7.972085	8.173046	7.579191	7.536622	7.453036	7.257101	7.50863	7.16951	7.230076
PLEKHH2	PLEKHH2	7.554	7.360714	7.324842	7.478998	7.49637	7.16441	7.073164	6.961192	7.263368	6.88549	6.796637	6.823464
PLEKHH3	PLEKHH3	7.957915	8.139688	7.898916	7.890345	7.672116	8.328491	8.277511	8.189101	8.272686	8.329099	7.838182	8.302854
PLEKHJ1	PLEKHJ1	8.312095	8.542535	8.278468	8.254064	8.203145	8.954622	8.609374	8.556146	8.259092	8.464159	8.54607	8.243501
PLEKHK1	PLEKHK1	7.738049	7.636984	7.188749	7.427239	7.21582	7.092603	6.942501	6.923779	6.905319	6.975365	6.832967	6.788207
PLEKHM1	PLEKHM1	7.38075	7.529798	7.211455	7.589544	7.475224	7.635176	7.379432	7.564488	7.536807	7.61736	7.479978	7.391937
PLEKHM2	PLEKHM2	9.640222	9.796446	9.547772	9.913283	10.05813	10.74038	10.25164	10.62461	10.24542	10.66804	10.93333	10.59715
PLEKHN1	PLEKHN1	7.375607	7.625411	7.397156	7.542566	7.575052	7.610655	7.554195	7.555161	7.638298	7.753326	7.586676	7.546162
PLEKHO1	PLEKHO1	9.037181	9.396325	9.09012	9.538804	9.521768	10.10062	9.8158	9.593675	9.672391	9.724606	9.276584	9.808794
PLEKHQ1	PLEKHQ1	7.749378	7.865089	7.405869	7.593669	7.440663	7.417325	7.114472	7.112453	7.062661	7.251749	7.171557	6.974266
PLG	PLG	6.910587	7.076279	6.77267	7.211395	7.006908	6.983722	6.844306	7.00912	6.899375	6.99052	6.864319	6.784839
PLGLA1	PLGLA1	6.919997	7.074949	6.847707	7.021711	7.003056	7.08953	6.978209	6.999231	6.924916	6.929484	6.833173	6.894156
PLGLB1	PLGLB1	6.900904	7.219183	6.878798	7.196727	7.145569	7.489046	7.300074	7.293295	7.276023	7.365922	7.213979	7.296156
PLGLB2	PLGLB2	6.914136	7.004996	6.835194	7.002046	6.96207	6.9823	6.813473	7.020417	6.890398	7.014054	6.750718	6.883265
PLIN	PLIN	6.904854	6.806567	6.695344	7.070367	6.951623	7.006294	6.857762	6.898733	6.895204	6.874316	6.665017	6.688138
PLK1	PLK1	8.986348	8.998655	8.536211	8.678046	8.397294	8.280512	8.006858	8.062924	7.99874	7.995834	7.632195	7.615599
PLK2	PLK2	6.950753	7.725614	7.226896	7.951806	7.662485	7.62253	7.368314	7.290408	7.55425	7.488425	7.700347	7.650655
PLK3	PLK3	6.974466	7.163294	6.907526	7.128928	7.063697	6.961566	6.941601	6.869213	6.960959	6.947418	7.027028	6.908497
PLK4	PLK4	10.37118	10.4882	10.30047	10.24276	9.445683	8.84507	8.448696	8.403045	8.294011	8.252153	7.873381	7.442812
PLN	PLN	6.877403	7.053546	6.818239	8.295312	8.942681	10.85348	11.31226	11.34578	11.59886	11.7427	11.19133	11.50126
PLOD1	PLOD1	10.70094	10.99801	10.85546	11.70043	11.97047	11.64632	11.89888	11.90945	11.99364	11.83223	12.23412	12.57224
PLOD2	PLOD2	9.167979	8.84221	9.415714	11.00561	10.88207	10.68372	10.11922	10.05066	9.9865	9.761544	10.88112	10.95714
PLOD3	PLOD3	9.614117	10.0367	9.375191	10.28433	10.20603	10.2188	9.851777	10.14527	10.00465	10.03106	10.95985	10.1787
PLP1	PLP1	8.15806	8.849127	7.598757	7.424275	7.101531	7.077878	6.878608	7.014923	7.036326	7.001773	6.812398	6.972755
PLP2	PLP2	7.192836	7.328785	7.127092	7.197369	7.165194	7.490266	7.570181	7.585157	7.558537	7.855117	7.934412	7.637895
PLRG1	PLRG1	10.78087	11.19519	10.84624	10.90978	10.52612	11.3731	10.53606	10.63339	10.81027	10.70056	10.39929	10.46551

PLS1	PLS1	9.197897	9.023293	7.880752	7.896254	7.627875	8.161916	7.689265	7.8065	7.574667	7.646492	7.363297	7.575724
PLS3	PLS3	11.24493	12.14895	10.94351	11.56394	11.72778	12.08459	11.35139	11.38889	11.36504	10.90941	11.51673	11.19078
PLSCR1	PLSCR1	7.649445	8.285748	7.988135	7.627173	7.539386	7.56082	7.436627	7.560437	7.351597	7.283404	7.31842	7.26864
PLSCR2	PLSCR2	6.961133	7.066167	6.808157	7.118715	6.998041	6.954375	7.002134	6.935538	6.863456	6.962436	6.832053	6.854866
PLSCR3	PLSCR3	11.73491	11.83268	10.84686	11.68098	11.79888	11.33399	11.26524	11.26103	11.50613	11.13663	11.34597	11.29188
PLSCR4	PLSCR4	7.23045	7.368259	7.585313	7.470612	7.884673	7.274266	7.481259	7.7168	7.883908	7.7298	8.48046	8.154816
PLSCR5	PLSCR5	6.837574	7.031211	6.939736	7.427865	7.176604	7.026994	6.765135	6.951128	6.942566	6.952943	6.682614	6.858536
PLTP	PLTP	9.198441	9.474077	8.644007	9.062992	10.32796	8.389445	8.263181	8.447926	8.51455	7.973571	8.575982	7.715931
PLUNC	PLUNC	6.909197	6.990792	6.858773	7.001112	6.809014	6.90285	6.751958	6.909916	6.820936	6.917625	6.761754	6.815851
PLVAP	PLVAP	6.932423	7.136382	6.776752	7.115099	7.292497	6.973146	6.957446	6.87664	7.006666	7.022766	6.798739	6.903854
PLXDC1	PLXDC1	6.943966	7.22643	6.897379	7.161932	7.135334	7.158047	6.934958	7.113526	7.065407	7.168714	6.917954	6.927154
PLXDC2	PLXDC2	8.993968	9.565048	8.721433	8.047895	7.845578	7.726533	7.990573	8.174333	8.435273	7.94618	8.368146	7.816655
PLXNA1	PLXNA1	8.578953	8.298548	8.130855	8.716454	8.731137	8.850824	8.554234	8.776558	8.467436	8.516687	8.57254	8.139527
PLXNA2	PLXNA2	7.080062	7.314584	7.107703	7.349816	7.308961	7.090575	6.999092	7.048703	7.145398	7.110234	6.842686	6.951181
PLXNA3	PLXNA3	7.300612	7.392566	7.282836	7.872719	7.947095	7.69158	7.56346	7.801959	7.710737	7.744172	8.19559	7.37264
PLXNA4B	PLXNA4B	6.944874	6.975019	6.756818	6.969549	6.948832	7.021678	6.886271	7.136768	6.920607	6.982697	6.90574	6.878808
PLXNB1	PLXNB1	9.040056	9.289709	8.744419	8.837528	8.47512	7.73022	7.538964	7.726976	7.86284	7.506353	7.636531	7.693188
PLXNB2	PLXNB2	8.26417	8.222692	7.772413	8.728181	8.822679	8.7048	8.526347	8.771592	8.625455	8.856617	9.078096	8.994105
PLXNB3	PLXNB3	6.731661	7.050994	6.792057	7.03537	6.999643	6.870274	6.860538	6.947939	6.892157	6.861127	6.967965	7.051813
PLXNC1	PLXNC1	6.898966	7.016328	6.802634	7.064669	6.980132	6.970509	6.837954	7.061008	6.990392	7.083108	6.822886	6.98148
PLXND1	PLXND1	7.054143	7.261166	6.877501	7.185057	6.993634	6.95935	6.909967	6.970725	6.956684	7.02586	6.869799	6.898777
PMAIP1	PMAIP1	10.13342	10.5222	9.269265	7.731888	7.3061	7.658597	7.401238	7.302218	7.533981	7.293001	7.499247	7.582434
PMCH	PMCH	6.904071	7.122825	6.886278	7.159338	6.966312	7.093551	6.892045	6.935991	6.95706	6.937939	6.833892	6.886704
PMCHL1	PMCHL1	6.977855	6.987762	6.927646	7.16853	7.008096	7.035463	6.955923	6.972717	6.961427	6.985889	6.834385	6.888493
PMCHL2	PMCHL2	6.826504	6.992189	6.843711	7.04923	6.875773	6.982841	6.87398	6.966797	6.927289	6.918256	6.792192	6.831821
PMF1	PMF1	8.961988	9.424365	8.791491	8.828351	8.600898	9.416133	9.010762	8.878974	8.750146	8.996355	8.66552	8.453128
PMFBP1	PMFBP1	6.924644	7.1022	6.905731	7.071017	6.931494	6.853086	6.819822	7.026661	7.003809	7.015823	6.856927	6.834635
PML	PML	7.027342	7.242989	6.957866	7.20172	7.142128	7.170782	7.021537	7.099823	7.062141	7.108972	6.93377	6.981481
PMM1	PMM1	8.587582	8.915241	8.883153	9.529585	9.830477	10.35333	10.46326	10.45554	10.47573	10.63386	10.71856	10.46348
PMM2	PMM2	8.985578	9.133098	8.632763	8.833357	8.561375	8.314625	7.873559	8.084169	7.991544	8.101729	8.316385	7.935043
PMP2	PMP2	6.885925	7.057045	6.684789	6.939008	6.805665	6.95556	6.79032	6.828321	6.800896	6.955089	6.64763	6.825783
PMP22	PMP22	7.384267	7.199455	8.95494	10.88167	10.05601	10.06351	9.905843	10.25074	10.14834	10.32115	10.08934	10.04472
PMP22CD	PMP22CD	6.961331	7.170656	6.876858	7.101267	6.962785	6.876468	7.065435	7.054611	6.936413	7.042142	6.824725	6.933285
PMPCA	PMPCA	10.11382	10.21358	9.718296	10.11357	9.815103	10.22221	9.901396	9.988846	9.854479	10.04353	9.803713	10.13657
PMPCB	PMPCB	11.6231	11.86127	11.26606	11.31793	11.46197	12.08408	11.46833	11.32025	11.36485	11.29602	10.91826	10.87433
PMS1	PMS1	8.271871	8.519395	7.799895	8.061554	7.982166	7.889921	7.838714	7.674976	7.704033	7.789357	7.254614	7.280249

PMS2	PMS2	7.489577	7.892125	7.430355	7.520471	7.542564	7.739128	7.66133	7.575353	7.590231	7.520182	7.382823	7.29871
PMS2CL	PMS2CL	7.138969	7.33021	7.059698	7.30528	7.202855	7.259331	7.107428	7.169914	7.109053	7.137142	6.931277	7.043844
PMS2L1	PMS2L1	7.14685	7.517235	7.228022	7.458025	7.382383	7.496973	7.387576	7.341368	7.343604	7.305159	7.047236	7.105881
PMS2L11	PMS2L11	7.197535	7.429154	7.0622	7.326887	7.291207	7.378849	7.130557	7.120281	7.210833	7.18921	6.941889	7.01849
PMS2L2	PMS2L2	6.96725	7.396684	6.901996	7.371459	7.318242	7.430608	7.361625	7.206371	7.259884	7.079238	6.953108	7.124705
PMS2L3	PMS2L3	7.263867	7.6238	7.403028	7.599936	7.509749	7.642338	7.495933	7.411869	7.452874	7.495505	7.214864	7.267845
PMS2L5	PMS2L5	8.081076	8.663202	8.044518	8.254679	8.525654	8.988416	8.85565	8.625257	8.855595	8.627302	8.521814	8.214809
PMVK	PMVK	7.81664	8.281607	7.430607	7.60359	7.795445	8.734747	8.703507	8.480307	8.429185	8.783284	8.20905	8.548308
PNCK	PNCK	9.030089	9.327241	7.448166	7.870308	8.159868	8.697352	8.81443	8.805895	8.424568	8.134116	7.860979	7.390999
PNKD	PNKD	7.471558	7.810465	7.399077	7.829851	8.387303	9.27578	9.007833	9.062248	8.81345	9.034177	8.600567	8.21141
PNKP	PNKP	9.78735	9.688085	9.35788	9.487735	9.182512	9.412036	9.237255	9.458729	9.162817	9.421956	9.353733	8.858507
PNLDC1	PNLDC1	6.984135	6.985048	6.714233	6.884648	6.875926	7.013238	6.791579	6.83946	6.826418	7.035615	6.73443	6.82759
PNLIP	PNLIP	6.925684	7.108491	6.895211	7.14887	6.990184	7.084974	7.10727	7.46112	7.343319	7.349819	7.106524	6.995387
PNLIPRP1	PNLIPRP1	6.949469	7.065537	6.822317	7.009257	6.92841	6.895563	6.808666	6.905805	6.782757	6.848433	6.979804	6.859363
PNLIPRP2	PNLIPRP2	6.828891	6.932715	6.791898	6.931779	6.920839	6.946882	6.794979	6.918845	6.903967	6.886862	6.756043	6.807848
PNLIPRP3	PNLIPRP3	6.843604	7.072294	6.786976	7.047287	6.828218	6.867713	6.77246	7.009724	6.831389	6.836592	6.649421	6.871848
PNMA1	PNMA1	8.571175	9.026685	8.539611	8.471162	8.561932	9.706933	8.871079	8.852947	8.920445	8.815483	8.995564	8.898766
PNMA2	PNMA2	8.397403	8.683245	7.782591	7.383626	7.638603	8.175619	7.77901	8.028364	8.632179	7.791298	8.354105	7.613972
PNMA3	PNMA3	9.613291	10.25662	8.602696	8.9709	9.323229	8.937945	8.394605	7.965215	8.328682	7.462311	6.98366	7.643553
PNMA5	PNMA5	6.920799	6.955914	6.708845	6.990789	6.811816	6.742453	6.895511	6.789346	6.893625	7.022183	6.809465	6.85033
PNMA6A	PNMA6A	7.237124	7.564039	6.894168	7.248626	7.137885	7.111551	6.948882	7.0388	7.03709	7.003161	6.861218	6.898506
PNMT	PNMT	7.056552	7.334274	6.816067	7.026246	7.127023	7.655794	7.618102	7.558661	7.304113	7.487523	7.295899	7.375954
PNN	PNN	11.38809	11.69201	11.44154	11.20011	11.03943	11.27665	10.60186	10.71714	10.47786	10.24903	9.832947	9.752291
PNOC	PNOC	6.79113	7.079397	6.823869	7.047738	6.91722	7.024834	6.909228	6.93362	6.803721	6.802602	6.950792	6.787731
PNPLA1	PNPLA1	6.859958	7.038991	6.831292	6.952012	6.894391	7.019368	6.911946	6.905933	6.825764	6.879746	6.821582	6.810581
PNPLA2	PNPLA2	7.728724	7.72141	7.479787	7.693631	7.665118	8.224455	7.938987	8.252918	8.093933	8.3111	8.733108	8.292943
PNPLA4	PNPLA4	6.916207	7.262391	6.994507	7.295746	7.409464	7.319046	7.397137	7.458619	7.438777	7.607735	7.234157	7.335893
PNPLA5	PNPLA5	6.953962	7.149482	6.759609	6.942802	6.956058	6.99613	6.833224	6.824393	6.868502	6.892254	6.683226	6.812557
PNPLA8	PNPLA8	7.533785	7.839857	7.602533	8.026427	8.09254	8.966677	8.725019	8.710916	8.933097	8.854014	8.503123	8.487464
PNPO	PNPO	7.368686	7.641395	6.970946	7.181841	7.04567	7.608187	7.451957	7.424546	7.481851	7.468517	7.272205	7.409932
PNPT1	PNPT1	12.28958	13.07554	12.39628	12.89604	12.83058	12.72909	12.84175	12.25	12.57923	12.25283	11.62356	12.3006
PNRC1	PNRC1	7.009535	7.09471	6.943458	7.211251	6.920608	7.193035	7.027273	7.194623	6.984678	7.044389	6.811212	6.978086
PNRC2	PNRC2	10.84699	11.21551	10.88241	11.13682	10.54137	10.51597	10.08689	10.15858	10.17049	10.21816	9.659156	9.564768
PODN	PODN	6.87809	6.972779	7.048328	7.384014	7.099756	7.8662	7.51588	7.976101	7.842092	8.367921	8.108112	7.653661
PODXL	PODXL	12.01	12.54793	11.32996	12.02353	12.16708	8.458918	7.716081	7.954614	7.945821	7.443648	7.853939	7.393575
PODXL2	PODXL2	8.480366	8.149687	7.715675	7.850263	7.737514	7.490214	7.482065	7.619559	7.798389	7.373846	7.361241	7.17346

POF1B	POF1B	7.044615	7.237288	6.810625	7.201315	7.073202	7.011789	7.089716	6.999705	7.130106	6.935889	6.828979	6.907338
POFUT1	POFUT1	9.073389	9.735206	9.320562	9.748868	9.691072	9.629042	9.748751	9.273003	9.581313	9.5248	9.305013	9.347735
POFUT2	POFUT2	8.840957	9.23939	8.998115	9.777833	9.71796	9.253775	8.967303	9.157013	9.172861	9.15211	9.568234	9.0837
POGK	POGK	10.62723	10.75311	10.53384	11.24851	10.74792	10.60669	10.18723	10.32946	10.01425	9.868115	9.846807	9.511135
POGZ	POGZ	7.297709	7.666425	7.356406	7.604307	7.683074	7.684431	7.435191	7.458668	7.502578	7.320563	6.980472	7.217501
POL3S	POL3S	7.181558	7.257793	6.994341	7.283141	7.039688	6.981347	6.883245	6.927057	6.922464	6.878173	6.806092	6.939566
POLA	POLA	7.056106	7.691432	7.159075	7.435797	7.130535	7.251294	7.043005	7.063721	7.083533	7.207442	7.03813	6.98989
POLA1	POLA1	9.207173	9.694502	9.184278	9.497991	8.709611	8.997545	8.723036	8.621695	8.382967	8.73257	8.071191	7.776959
POLA2	POLA2	9.889104	10.59213	10.13455	10.29326	9.828729	9.889593	9.389428	9.271125	9.459717	9.310905	8.736509	8.612537
POLB	POLB	10.51515	10.81054	10.45392	10.62997	10.31152	10.43396	10.0742	10.11233	10.21491	10.02143	9.654421	9.733061
POLD1	POLD1	9.251322	9.409254	8.556441	9.105133	8.477052	8.32111	7.953526	8.037845	7.686977	8.020464	7.774413	7.593821
POLD2	POLD2	12.93087	13.01252	12.31131	12.56964	12.76735	12.93557	12.51462	12.584	12.72998	12.82814	12.17566	12.44448
POLD3	POLD3	7.953827	8.095118	7.844937	8.026318	7.608198	7.636267	7.361377	7.514301	7.405396	7.44699	7.167645	7.262491
POLD4	POLD4	7.144235	7.348137	7.288455	7.405255	7.516556	7.815338	7.87935	7.913114	7.951632	8.134396	8.186107	8.013124
POLDIP2	POLDIP2	8.272907	8.529381	8.028773	8.556029	8.421266	9.095407	8.408178	8.668247	8.497177	8.566304	8.517464	8.682152
POLDIP3	POLDIP3	8.946251	9.312694	8.902708	9.165397	9.021311	8.929697	8.622672	8.729905	8.629639	8.675167	8.588168	8.543457
POLE	POLE	9.072079	9.26829	8.969608	9.075747	8.279253	7.794182	7.623057	7.870095	7.836818	7.765666	7.486335	7.231483
POLE2	POLE2	10.57134	10.96735	10.26016	9.820361	9.192518	9.314924	8.841107	8.861346	8.745207	8.633186	8.039249	7.493643
POLE3	POLE3	12.31171	12.52233	11.89903	12.14333	12.02657	12.4106	11.79976	11.64596	11.6054	11.67968	11.30164	11.50589
POLE4	POLE4	10.72698	11.17149	10.46009	10.38105	10.86145	11.76167	11.28693	11.36699	11.42554	11.64807	11.59982	11.25526
POLG	POLG	8.821332	8.796049	8.560874	8.864176	8.697742	8.789164	8.549851	8.766429	8.638623	8.591694	8.445015	8.373671
POLG2	POLG2	7.92857	8.22806	7.455394	7.629704	7.45083	7.921019	7.831586	7.460846	7.736925	7.664178	7.399684	7.494681
POLH	POLH	7.032627	7.324141	6.9937	7.238588	7.215446	7.372052	7.224021	7.15107	7.220353	7.133983	6.941463	7.205287
POLI	POLI	6.936316	7.132459	6.940829	6.995761	7.092602	6.89615	6.875017	6.854062	6.797999	6.878191	6.867486	6.911559
POLK	POLK	6.770482	7.060384	6.84558	6.984409	6.959719	6.932189	6.951912	6.854472	6.880616	6.916126	6.697476	6.793928
POLL	POLL	7.266204	7.37996	7.027774	7.256906	7.163394	7.300452	7.039268	7.170289	7.107395	7.055237	6.979513	7.037557
POLM	POLM	7.633183	7.766461	7.313151	7.593592	7.714595	8.042588	7.726112	7.788885	7.648451	7.556251	7.444918	7.372359
POLN	POLN	6.957453	7.045447	6.929084	7.058268	7.12251	7.269018	6.953073	7.046337	6.979752	7.072786	6.907411	6.887911
POLQ	POLQ	9.888723	10.48239	9.756654	9.947752	9.371609	9.223751	8.786208	8.53477	8.452968	8.192861	7.621329	7.475557
POLR1A	POLR1A	7.170431	7.4335	7.014195	7.252811	6.978385	7.136364	6.990631	7.093259	7.008795	7.028277	6.865249	6.879527
POLR1B	POLR1B	7.355817	7.592612	7.079198	7.416142	7.346108	7.46343	7.220439	7.271849	7.179427	7.280374	7.163682	7.272323
POLR1C	POLR1C	9.82569	10.33278	10.09469	9.853399	9.677277	9.905177	9.328622	9.240108	9.490786	9.231753	9.287074	9.30913
POLR1D	POLR1D	13.25778	13.46402	12.56483	12.44372	12.56804	12.49196	12.07085	11.98192	12.22702	12.11413	11.92565	11.96605
POLR1E	POLR1E	9.533027	9.701519	8.758702	9.09781	8.894689	8.949444	8.537271	8.410904	8.71878	8.520935	8.325972	8.451323
POLR2A	POLR2A	11.01691	11.2913	10.60254	11.07736	10.7961	11.05778	10.11963	10.17273	10.15979	10.04758	10.47498	10.02398
POLR2B	POLR2B	9.991949	10.28771	10.1404	10.59898	10.02718	10.6281	10.13163	10.52255	10.21141	10.48586	10.49293	10.335

POLR2C	POLR2C	9.306119	9.646199	9.63428	9.850174	9.557032	10.11885	9.521702	9.865416	9.464807	9.890415	10.13433	9.741169
POLR2D	POLR2D	9.96929	10.14933	9.311848	9.239332	8.901062	9.468896	8.707143	8.994123	8.793882	8.723442	8.932708	8.769399
POLR2F	POLR2F	11.79715	12.3541	11.68594	11.62805	11.53095	11.72816	11.5578	11.55317	11.49284	11.79031	11.96484	11.29304
POLR2G	POLR2G	11.67062	12.35415	11.57816	11.47409	11.45193	12.16731	11.46372	11.35383	11.65236	11.50473	11.36745	11.07177
POLR2H	POLR2H	11.51655	11.63131	10.91783	10.99823	10.79478	10.9518	10.54163	10.1159	10.56724	10.47494	10.08003	10.13896
POLR2I	POLR2I	10.95956	11.47126	10.57243	10.60041	10.55946	10.69185	10.78945	10.62892	10.68894	11.11514	10.80038	10.4206
POLR2J	POLR2J	7.403489	7.769968	7.5308	7.712564	7.501325	7.934397	7.598375	7.545968	7.44089	7.527155	7.644572	7.448328
POLR2J2	POLR2J2	6.896936	7.126885	6.857975	7.063635	6.928896	7.017534	6.983918	7.071042	6.902222	7.036083	6.787211	6.817751
POLR2J3	POLR2J3	9.828523	10.53448	9.916932	10.17499	10.32059	10.71738	10.77994	10.24526	10.74741	10.77223	10.27588	10.35478
POLR2K	POLR2K	7.58127	7.881835	7.428441	7.60494	7.496999	7.693546	7.576982	7.382468	7.699112	7.634392	7.338462	7.470811
POLR2L	POLR2L	8.35244	8.911868	8.2829	8.515808	8.40866	9.086123	8.786339	8.798137	8.791418	9.11465	8.96419	8.783926
POLR3A	POLR3A	9.632892	10.07297	9.185863	9.52291	9.495685	9.964317	9.215768	9.216148	8.969939	8.996249	9.110576	9.195089
POLR3B	POLR3B	9.500922	10.20908	9.701994	9.919168	9.889908	10.10366	9.427423	9.354771	9.460718	9.131268	8.716732	9.037962
POLR3C	POLR3C	10.32889	10.91438	10.53085	10.55266	10.32749	10.96465	10.09537	9.980576	9.96246	9.858386	9.569495	9.72245
POLR3D	POLR3D	7.838491	7.973994	7.31952	7.874031	7.635453	7.426245	7.166557	7.368942	7.446408	7.418276	7.558188	7.317129
POLR3F	POLR3F	8.106442	8.588058	8.009147	8.522021	8.060057	8.191119	8.079752	8.014917	8.239286	8.378715	7.987497	8.269854
POLR3G	POLR3G	8.34771	8.420013	7.136421	7.066506	7.01724	7.131895	6.945505	6.955355	6.876915	6.893058	6.833479	6.899369
POLR3GL	POLR3GL	8.862229	8.924689	9.121295	9.654383	10.39846	11.36102	11.43241	11.3897	11.32769	11.3832	10.84228	10.94739
POLR3H	POLR3H	7.883948	8.095784	7.80204	8.040215	8.020132	7.605064	7.464842	7.471756	7.517775	7.385449	7.286677	7.503206
POLR3K	POLR3K	9.83527	10.38375	9.74578	9.397089	9.188582	9.551906	9.014234	8.97048	8.9331	9.105343	8.773997	8.624576
POLRMT	POLRMT	9.542199	9.45088	8.634355	8.806768	8.645737	9.039824	8.482938	8.622084	8.434696	8.428704	8.534589	8.652448
POLS	POLS	9.51425	9.421916	9.037682	9.702804	9.31125	9.040225	8.825728	8.813533	8.926556	8.760782	8.70093	8.771347
POM121	POM121	11.32714	11.38085	10.85181	11.12659	11.10152	10.93075	10.44095	10.34606	10.54431	10.19663	9.670478	9.976501
POMC	POMC	7.077659	7.206618	6.978782	7.002209	6.921168	7.08641	6.893058	7.020976	6.946999	6.975522	6.824029	6.822729
POMGNT1	POMGNT1	9.370422	9.86392	9.706292	10.16397	10.17926	11.04325	11.0248	10.94648	10.95939	11.36514	10.8419	11.20274
POMP	POMP	12.20864	12.74513	12.09926	12.01485	11.94003	12.4017	12.18293	12.1236	12.4395	12.36291	12.19831	11.78037
POMT1	POMT1	8.04262	8.223009	7.833544	8.363839	8.223199	8.294225	8.195507	8.217176	8.250367	8.193961	7.926881	7.997943
POMT2	POMT2	8.44344	8.501719	7.959227	8.378465	8.239431	8.609359	8.483929	8.3539	8.409195	8.284529	8.171784	7.91487
POMZP3	POMZP3	7.108799	7.367579	7.128373	7.298466	7.265736	7.657002	7.412333	7.400802	7.478927	7.541948	7.317933	7.418063
PON1	PON1	6.776641	7.036998	6.734606	6.980751	7.028458	7.088374	6.79298	6.942259	6.895277	7.019923	6.86754	6.816268
PON2	PON2	10.10229	10.47115	10.52539	11.43703	12.33754	11.61973	11.31089	11.45713	11.38555	11.01455	11.00391	10.62855
PON3	PON3	6.803388	6.992939	6.816905	7.022033	6.960607	7.001858	6.854852	6.896939	7.019364	6.979968	6.805749	6.937339
POP1	POP1	7.682379	7.95323	7.60282	7.803024	7.506014	7.662569	7.365031	7.303038	7.432367	7.398224	7.577849	7.138737
POP2	POP2	6.824819	7.088519	6.795859	7.054751	6.813704	6.850094	6.844387	6.925665	6.91479	6.842147	6.817371	6.807035
POP4	POP4	7.663004	8.282117	8.000921	7.95396	7.910747	8.761796	8.503181	8.304943	8.427287	8.595745	8.352712	8.239464
POP5	POP5	8.970202	9.473901	8.790331	8.789877	8.549095	9.41241	8.829965	8.832167	8.971933	8.972971	8.641454	8.507709

POP7	POP7	9.578995	10.04684	9.17505	9.173379	8.661137	8.442569	8.158136	8.245003	8.282114	8.344868	8.536467	8.239062
POPDC2	POPDC2	6.946591	7.174489	6.980843	8.512307	10.36951	12.79722	12.38421	12.46613	12.03973	12.60137	11.86183	12.10261
POPDC3	POPDC3	6.900668	7.298828	6.96893	7.896593	8.673036	10.49025	9.920274	9.832744	9.908463	9.995436	9.303716	9.458504
POR	POR	8.491888	8.316079	7.82042	8.024564	7.941715	8.22362	7.822221	7.98692	7.97455	8.075867	8.052912	7.87877
PORCN	PORCN	7.173023	7.304258	7.075054	7.350779	7.241242	7.542429	7.220536	7.350445	7.269488	7.392703	7.374856	7.159488
POSTN	POSTN	6.797826	7.084204	6.867425	9.401764	11.25925	7.940558	7.769195	8.340669	9.096551	8.66014	10.56782	10.62815
POT1	POT1	7.2014	7.277466	7.112606	7.334862	7.240575	7.352515	7.178771	7.234531	7.140422	7.206308	7.062664	7.079658
POTE14	POTE14	6.896583	7.080673	6.910939	7.07635	6.972096	7.072636	6.895639	6.99422	6.911052	7.00624	6.783398	6.884388
POTE15	POTE15	6.907934	7.055871	6.79268	7.034066	6.887648	6.969235	6.915153	7.021894	6.864729	6.926827	6.794944	6.751481
POTE2	POTE2	6.900715	7.159259	6.867967	7.168067	7.029656	7.11201	7.05226	7.012559	6.997033	6.974164	6.805311	6.927032
POTE8	POTE8	6.832235	7.1615	6.800478	7.039577	6.919922	6.995959	6.879851	6.897507	6.911299	6.927755	6.703661	6.795981
POU1F1	POU1F1	6.833152	6.995625	6.641034	6.979651	6.864872	6.861578	6.828259	6.823792	6.826043	6.78552	6.764614	6.715804
POU2AF1	POU2AF1	6.959339	7.282813	7.022848	7.080463	6.948924	7.097113	6.94704	7.042398	7.104465	6.962953	6.888758	6.945084
POU2F1	POU2F1	8.246077	8.520859	7.782469	8.033341	7.739474	7.550088	7.295865	7.29385	7.391251	7.303609	7.079527	7.05668
POU2F2	POU2F2	6.818713	6.895892	6.744975	6.916321	6.844964	6.945606	6.840941	6.942046	6.811472	6.790121	6.83287	6.796645
POU2F3	POU2F3	6.921743	7.254718	6.876609	7.061208	6.988657	7.056843	6.904001	6.892553	6.944752	7.017006	6.840389	6.869223
POU3F1	POU3F1	7.446364	7.365096	6.922418	7.023587	7.062958	7.157774	6.873582	6.940836	6.959597	6.858033	6.809184	6.8752
POU3F2	POU3F2	7.020074	7.166127	6.986249	7.437147	7.592489	7.208054	7.037699	7.027831	7.489541	6.991051	6.859579	7.098686
POU3F3	POU3F3	6.761425	7.036024	6.741542	6.895281	6.864899	6.797678	6.833452	6.842402	6.732379	6.812786	6.829083	6.735766
POU3F4	POU3F4	6.907117	7.043583	6.963706	7.120785	6.995366	7.226622	6.918254	7.064878	7.016519	7.071239	6.946174	7.023174
POU4F1	POU4F1	7.001136	7.296923	7.089106	7.158726	7.317001	7.306091	6.900024	6.994075	8.566542	6.978768	6.757701	6.768693
POU4F2	POU4F2	6.854132	7.003883	6.798933	7.015665	6.955032	6.950416	6.749122	6.840694	6.858164	6.76976	6.772964	6.76604
POU4F3	POU4F3	6.836732	7.061355	6.794649	6.94344	6.90306	6.858989	6.860728	6.896471	6.917664	6.853655	6.771221	6.754756
POU5F1	POU5F1	11.86417	12.62165	10.86774	7.804018	7.20653	7.06835	6.994507	6.97975	7.046914	7.069822	6.831369	6.973368
POU5F1P1	POU5F1P1	11.92222	12.79995	10.89822	7.785811	7.078304	7.028372	6.818173	6.985294	6.909427	7.015272	6.814279	6.903312
POU6F1	POU6F1	7.250491	7.264606	6.915065	7.053458	6.964186	7.1878	6.914243	6.986298	6.950789	7.104896	6.887157	7.066951
POU6F2	POU6F2	6.815602	6.936541	6.792406	6.946987	6.816495	6.93892	6.762951	6.827175	6.771171	6.776441	6.692598	6.797303
PP2447	PP2447	11.57918	11.56649	10.96018	11.54014	11.51057	10.63962	10.57624	10.57004	10.57239	10.42223	9.942333	10.2153
PP8961	PP8961	6.911188	7.226371	6.935864	7.069632	7.03765	6.979145	7.090444	7.036373	7.223537	7.058804	6.823494	6.983123
PPA1	PPA1	12.65646	12.97525	11.82249	11.73715	11.94742	12.19646	11.57692	11.78931	11.9998	11.66922	12.23629	11.41527
PPA2	PPA2	10.5455	11.39244	10.90767	11.35108	11.39903	11.44558	11.46574	11.00031	11.31473	11.17131	10.71933	11.10526
PPAN	PPAN	8.191376	8.579766	8.008205	8.002323	7.781108	7.83752	7.578956	7.756737	7.565042	7.571646	7.855799	7.665148
PPAN-P2R	PPAN-P2R	7.336835	7.529858	6.989457	7.168953	7.138559	7.202645	7.147229	7.107056	7.11338	7.145438	7.039952	7.18813
PPAP2A	PPAP2A	8.754928	9.747813	8.410958	8.07933	8.034679	8.798848	8.628162	9.38842	9.539834	9.545476	10.3841	9.287283
PPAP2B	PPAP2B	9.179292	9.576916	9.268197	9.635202	10.43119	9.637297	9.362029	9.352113	9.684121	9.186696	8.766489	9.053944
PPAP2C	PPAP2C	8.603002	8.473643	7.331792	7.146378	6.965028	7.061764	6.908648	6.936951	7.006291	6.932064	6.891197	6.861397

PPAPDC1A	PPAPDC1A	6.937146	7.201278	7.329752	7.250116	7.066046	7.277055	7.327071	7.362127	7.378769	7.324395	7.472833	7.416277
PPAPDC1B	PPAPDC1B	8.222408	8.649724	8.102485	8.275863	8.011149	8.541466	7.98638	7.916032	8.131787	8.048737	8.144515	8.003829
PPAPDC2	PPAPDC2	8.647094	9.026926	8.500595	8.636527	8.661651	8.927141	8.174528	8.111039	8.174786	8.121326	7.959757	8.289216
PPAPDC3	PPAPDC3	7.386422	7.397983	7.087724	7.404671	7.5331	8.653937	8.920155	9.55213	9.698795	10.8084	10.65358	10.78024
PPARA	PPARA	7.039885	7.162067	6.899638	7.252081	7.216718	7.30662	7.125212	7.223604	7.136489	7.350379	7.045285	7.320623
PPARBP	PPARBP	8.861395	9.798307	9.164484	9.02803	8.808736	9.034011	8.792586	8.286612	8.717613	8.322948	8.078647	8.377706
PPARD	PPARD	7.067714	7.316451	7.010006	7.162617	7.237075	7.401313	7.227739	7.29032	7.245773	7.315408	7.434749	7.266819
PPARG	PPARG	6.86242	6.971052	6.960619	7.184794	7.129278	7.059168	6.880206	7.032793	7.172282	7.019347	6.989726	6.852368
PPARGC1A	PPARGC1A	7.123085	7.495476	7.000323	9.30682	9.572953	11.92937	10.88663	10.67027	10.49983	10.71545	9.889345	10.21145
PPARGC1B	PPARGC1B	7.437072	7.795825	7.095708	7.169293	7.298675	7.875719	7.623598	7.598436	7.631918	7.661738	7.179653	7.496763
PPAT	PPAT	10.72958	10.93182	10.31053	10.36387	9.527978	9.723957	8.567065	8.475519	8.387065	8.213758	8.018892	8.194664
PPBP	PPBP	6.88414	7.117663	6.797925	7.033577	6.884551	6.936198	6.770856	6.940171	6.854981	6.943714	6.765874	6.739347
PPCDC	PPCDC	6.95282	7.172537	6.899008	7.054614	6.949511	7.07202	6.876409	6.962897	6.900747	6.920562	6.795567	6.787739
PPCS	PPCS	9.39826	9.900473	9.506251	9.485019	10.00819	10.76998	10.45829	10.34556	10.56181	10.44429	10.12754	10.01443
PPEF1	PPEF1	6.887105	7.026087	6.862434	7.150257	6.968018	6.970899	6.985187	7.025304	7.151237	6.995989	6.812807	6.839148
PPEF2	PPEF2	6.843343	6.947829	6.805033	6.934742	6.933501	6.905238	6.822227	6.873066	6.77151	6.903545	6.746778	6.713921
PPFIA1	PPFIA1	9.227227	9.231152	8.869383	9.181391	8.950803	8.983797	8.515911	8.575627	8.515174	8.452044	8.283909	8.37273
PPFIA2	PPFIA2	6.874553	7.012963	7.198964	7.098912	7.052883	7.084863	7.334889	7.298545	7.412346	7.225992	7.048172	6.993093
PPFIA3	PPFIA3	6.960593	7.081506	6.890249	7.078538	7.068917	7.19816	7.119365	7.062016	6.989542	6.967181	6.836745	6.808705
PPFIA4	PPFIA4	7.812179	7.348388	7.21687	7.659684	8.884434	9.157413	9.617434	9.811074	9.414321	9.526631	8.464017	9.47196
PPFIBP1	PPFIBP1	7.453219	7.738243	7.953938	8.283738	7.919134	8.359823	8.21227	8.131627	8.205142	8.027185	8.09034	8.473732
PPFIBP2	PPFIBP2	8.31431	8.039814	10.54901	10.13701	9.339106	8.081241	7.758242	7.7397	8.279237	7.461368	7.547573	8.106835
PPGB	PPGB	7.996188	8.54716	7.903558	8.11455	8.071626	8.507647	8.582235	9.042656	8.677023	9.001657	9.273208	9.066362
PPHLN1	PPHLN1	8.681514	8.826364	8.528278	8.697904	8.68272	9.478764	8.886998	8.941245	9.021728	8.949484	8.95708	9.14728
PPIA	PPIA	8.239148	8.398988	7.935116	8.328551	8.064263	8.309847	7.967482	7.903029	7.933526	7.994101	7.582709	7.636302
PPIAL4	PPIAL4	12.15779	12.73803	12.17706	11.79419	11.66463	12.01219	11.60549	11.42405	11.60742	11.54608	11.77634	10.77722
PPIB	PPIB	7.72089	7.996408	7.889635	7.857965	8.124998	7.633653	8.07078	7.581621	7.897935	7.526087	7.647798	7.710672
PPIC	PPIC	8.466092	9.032014	9.055793	10.66051	11.52951	12.73143	12.06994	11.97478	11.859	11.82147	11.48858	11.23523
PPID	PPID	7.610667	7.759694	7.427745	7.791533	7.462008	7.501781	7.487935	7.391024	7.629154	7.59105	7.353078	7.649536
PPIE	PPIE	8.902791	8.858697	8.747037	8.806717	8.733962	9.416949	8.831036	9.039813	9.110388	9.07521	8.844523	8.79084
PPIF	PPIF	7.48102	7.594957	7.111537	7.260182	7.233622	7.690268	7.361452	7.496168	7.246718	7.406511	7.109133	7.313254
PPIG	PPIG	9.027341	9.619837	9.149091	9.204274	8.745626	9.176935	8.626324	8.588205	8.753993	8.468856	8.106556	8.663627
PPIH	PPIH	10.5218	11.15383	10.63494	10.43053	9.998613	10.21329	9.733188	9.512701	9.887213	9.735293	9.619526	9.069145
PPIL1	PPIL1	10.1091	10.47612	9.917855	9.75252	9.540145	10.37597	9.892933	10.15928	9.930091	10.22171	10.34912	9.697702
PPIL2	PPIL2	6.924157	7.187913	6.862849	7.09364	7.02898	7.076267	6.919125	7.056738	6.985167	7.017855	6.905084	6.88135
PPIL3	PPIL3	9.84561	10.2815	9.926891	9.912362	9.94035	10.2496	10.04912	9.951978	10.12063	9.816216	9.482577	9.335102

PPIL4	PPIL4	6.999493	7.36926	7.143914	7.544083	7.290819	7.813201	7.295867	7.245864	7.335304	7.307554	7.104917	7.313327
PPIL5	PPIL5	8.926666	9.32302	8.739962	8.598151	8.358977	8.671946	8.394598	8.414209	8.28694	8.290537	7.998609	7.743265
PPIL6	PPIL6	6.915815	7.225354	7.033168	7.340772	7.337955	7.411233	7.219221	7.291576	7.163735	7.288552	7.00387	6.970282
PPL	PPL	7.663414	8.669254	7.485121	7.524213	7.381072	7.279051	7.255365	7.170504	7.07618	7.052112	6.950502	6.974828
PPM1A	PPM1A	7.587237	7.786439	7.477076	7.611897	7.553039	8.066318	7.696272	7.787722	7.707996	7.656225	7.688394	7.739952
PPM1B	PPM1B	9.89748	10.34075	8.623087	8.76502	8.395574	8.872	8.579994	8.471653	8.477709	8.457323	8.06381	8.235149
PPM1D	PPM1D	9.45239	9.769467	9.135891	9.799047	9.709948	10.38599	9.454691	9.053258	9.300748	8.8891	8.36943	9.082785
PPM1E	PPM1E	9.277771	8.840794	7.604814	7.414164	7.467954	7.554767	7.280667	7.372246	7.985764	7.516985	7.447986	7.221919
PPM1F	PPM1F	9.681823	9.645728	9.761056	10.4326	10.42693	10.34397	9.935428	9.758912	9.87855	9.634472	9.2654	9.663793
PPM1G	PPM1G	12.12647	12.29466	11.56298	11.61122	11.254	11.33415	11.00198	10.86914	10.78002	10.83281	10.35929	10.64937
PPM1H	PPM1H	9.258937	9.21651	8.847951	8.825797	8.045101	7.356068	7.250655	7.257057	7.211028	7.136864	7.118667	7.09196
PPM1J	PPM1J	7.636226	7.29613	7.032784	7.08239	6.995748	7.417045	7.131022	7.099149	7.109848	7.098121	6.860112	6.906012
PPM1K	PPM1K	7.448807	7.739078	7.480537	7.839768	7.989169	9.173243	8.988935	8.90242	8.552771	8.61842	8.132762	8.234896
PPM1L	PPM1L	6.972979	7.115954	6.991523	7.050914	7.047208	6.89604	6.862817	6.900428	6.864848	6.95505	6.777471	6.824084
PPM1M	PPM1M	8.052577	8.102673	7.899208	8.639567	8.550752	8.636849	8.406741	8.323245	8.494789	8.151531	8.063478	8.334387
PPM2C	PPM2C	7.088087	7.516972	7.164313	7.273472	7.163059	7.262033	7.201758	7.187969	7.390798	7.226097	7.15822	7.520419
PPME1	PPME1	8.520191	8.742626	8.34933	9.177692	8.682794	9.39805	8.566327	8.987448	8.806436	9.079317	9.295419	9.314338
PPOX	PPOX	8.830187	9.004146	8.312853	8.527626	8.496488	9.060684	8.563259	8.507731	8.443237	8.393036	8.343719	8.226302
PPP1CA	PPP1CA	9.845418	10.15935	9.852674	9.925107	9.610079	9.918024	9.249469	9.590343	9.175093	9.450081	9.786212	9.289481
PPP1CB	PPP1CB	9.255106	9.349846	9.198083	10.15835	9.69414	10.44112	9.945792	10.13671	9.879635	10.1714	9.4524	9.701865
PPP1CC	PPP1CC	13.55668	13.50945	12.96345	12.93884	12.67377	12.83075	12.42398	12.38856	12.36823	12.24059	11.85933	11.99289
PPP1R10	PPP1R10	8.608808	9.000925	8.265317	8.812612	8.623462	9.082864	8.459442	8.435702	8.354109	8.178513	8.417979	8.02358
PPP1R11	PPP1R11	10.56159	10.96974	10.71974	10.95262	11.07146	11.6654	11.22081	11.73251	11.61765	11.67622	11.86956	11.54385
PPP1R12A	PPP1R12A	8.164671	8.840674	8.177886	8.888161	8.641726	9.378538	9.066836	8.789075	9.016151	8.702079	8.660802	8.965432
PPP1R12B	PPP1R12B	7.397665	7.606855	7.197118	7.574123	7.418497	7.726415	7.621777	7.733103	7.550419	7.784861	7.485549	7.50171
PPP1R12C	PPP1R12C	7.473407	7.751285	7.354056	7.785862	7.582827	7.941666	7.684985	7.760712	7.752749	7.811527	7.812656	7.454732
PPP1R13B	PPP1R13B	7.710564	8.607749	7.865763	9.098553	10.06538	11.60412	11.13215	10.97045	10.74028	10.75664	9.467822	10.15662
PPP1R13L	PPP1R13L	7.617131	7.885338	7.46245	7.694494	7.634665	7.791315	7.425063	7.612975	7.426329	7.689564	7.785298	7.872997
PPP1R14A	PPP1R14A	9.041323	8.897345	8.036688	8.666611	8.423643	8.542224	8.036204	7.69331	8.020249	7.687115	7.530549	7.367779
PPP1R14B	PPP1R14B	11.60439	11.80902	10.9588	10.76566	10.7656	10.80429	10.41918	10.37491	10.26298	10.31172	11.40136	10.00283
PPP1R14C	PPP1R14C	6.975187	7.054599	7.76822	9.181086	10.30512	12.48975	12.18665	12.39918	11.70554	12.26134	11.55214	11.52026
PPP1R14D	PPP1R14D	7.163119	7.385404	7.194268	7.283137	7.252749	7.429548	7.290327	7.166029	7.139301	7.132323	7.047555	7.142908
PPP1R15A	PPP1R15A	9.888786	10.42079	10.64075	11.34412	11.13535	12.5467	11.02305	11.21709	11.36612	11.68356	11.47826	11.90929
PPP1R15B	PPP1R15B	7.076109	7.267381	7.007216	7.199071	7.131323	7.182703	7.130889	7.071216	7.141413	7.086046	6.969863	7.106205
PPP1R16A	PPP1R16A	8.441908	8.743371	8.79555	9.095587	8.883672	9.467576	9.253241	8.726903	8.965149	9.03492	8.101418	9.076239
PPP1R16B	PPP1R16B	7.656121	7.610639	7.073881	7.098822	6.963111	6.814092	6.643513	6.829106	6.796854	6.823998	6.718651	6.738418

PPP1R1A	PPP1R1A	7.837668	8.568619	7.810826	8.42717	8.33688	9.954473	10.10797	10.3519	9.974016	10.56301	9.333074	9.408893
PPP1R1B	PPP1R1B	7.389238	7.532121	7.40937	7.118996	7.016993	7.348065	7.151342	7.433435	7.41093	7.549465	7.35294	7.520293
PPP1R1C	PPP1R1C	6.900363	7.14407	6.874607	7.022897	6.961358	7.094375	6.99862	7.138442	7.260831	7.466225	7.389383	7.667746
PPP1R2	PPP1R2	9.075612	9.230213	9.44106	9.942466	9.609602	10.75928	9.70691	9.973369	9.771175	9.972177	9.852158	9.599266
PPP1R2P3	PPP1R2P3	6.876758	7.03537	6.801644	6.981748	6.894098	7.032483	6.884138	6.877026	6.846465	6.958572	6.783969	6.787021
PPP1R2P9	PPP1R2P9	6.785211	7.097498	6.784647	6.956543	6.916436	6.904771	6.887973	6.812962	6.870938	6.865535	6.670903	6.824704
PPP1R3A	PPP1R3A	6.869349	7.054983	6.83596	7.055765	7.005552	7.536105	7.702319	8.03433	7.994125	8.336982	7.738159	8.495042
PPP1R3B	PPP1R3B	7.132948	7.201762	7.026372	7.102614	6.981326	7.374331	7.148691	7.213342	7.04575	7.046316	6.867046	7.103373
PPP1R3C	PPP1R3C	7.367921	7.370366	7.076012	7.532801	7.857297	9.12112	8.980488	9.225091	8.834225	9.196135	9.241817	9.097384
PPP1R3D	PPP1R3D	7.670622	7.644471	7.260831	7.699404	7.670684	7.971663	7.774588	7.919128	7.867407	7.995913	7.68013	7.482076
PPP1R3E	PPP1R3E	7.199875	7.275724	7.094737	7.443745	7.667528	7.892702	7.829996	7.621193	7.65011	7.538314	7.078662	7.788041
PPP1R3F	PPP1R3F	7.955779	8.410401	7.942975	8.33633	8.436689	9.580982	9.228959	9.263664	9.270965	9.601738	9.232851	9.404049
PPP1R3G	PPP1R3G	6.846166	6.99989	6.832058	6.916461	6.810004	6.862895	6.899828	6.856999	6.838275	6.980099	6.756195	6.800491
PPP1R7	PPP1R7	8.980277	9.514026	8.932241	9.325556	9.264058	9.950715	9.401357	9.614502	9.472049	9.504886	9.447233	9.301238
PPP1R8	PPP1R8	8.246452	8.693909	8.485598	8.560927	8.358071	8.700343	8.055515	8.197265	8.264436	8.049332	7.975915	7.82267
PPP1R9A	PPP1R9A	7.799697	8.244199	7.499019	7.89012	7.721701	8.073239	8.089014	7.806089	7.915215	7.536003	7.059275	7.682066
PPP1R9B	PPP1R9B	6.948989	6.920023	6.816534	7.013959	6.940513	6.986176	6.878997	6.9347	6.901356	6.929888	6.80375	6.79571
PPP2CA	PPP2CA	12.50636	12.97951	12.51143	12.64223	12.43185	13.36612	12.69877	12.6808	12.65631	12.69772	12.41334	12.44639
PPP2CB	PPP2CB	9.532438	10.14229	9.887791	9.815737	9.865809	10.45433	9.736237	9.854131	9.996158	9.838678	9.941239	9.807488
PPP2R1A	PPP2R1A	11.93759	12.10994	11.53077	11.60099	11.47295	12.3032	11.71175	12.11083	11.71396	12.06108	12.45125	11.95182
PPP2R1B	PPP2R1B	8.062317	8.688597	7.911635	7.640347	7.395872	7.466312	7.275512	7.342475	7.229867	7.398809	7.250892	7.263234
PPP2R2A	PPP2R2A	10.50059	10.56775	9.963635	10.3712	10.28493	10.89502	9.990896	10.37461	10.08422	10.09258	10.39087	10.5149
PPP2R2B	PPP2R2B	9.579229	10.25842	8.089021	7.951779	8.525134	9.011251	8.765654	8.734688	8.781814	8.797293	8.326145	8.196056
PPP2R2C	PPP2R2C	7.376268	7.499311	7.311794	7.022357	6.924601	7.000124	6.876399	6.973693	7.048218	7.006026	6.931973	7.058038
PPP2R2D	PPP2R2D	8.425028	8.782655	8.385862	8.998162	8.759	8.675852	8.527564	8.639503	8.574591	8.638058	8.502147	8.453833
PPP2R3A	PPP2R3A	7.276047	7.656403	7.435655	8.069908	8.110236	8.533009	8.294802	8.319206	8.187233	8.421932	7.770224	7.934666
PPP2R3B	PPP2R3B	7.654475	7.777909	7.368227	7.719043	7.649705	8.523965	8.028934	8.384575	8.151792	8.453437	8.20986	7.997897
PPP2R3C	PPP2R3C	9.674809	9.732666	9.748748	9.590052	9.717893	10.59847	10.32209	10.35458	10.60079	10.48889	10.43873	10.25072
PPP2R4	PPP2R4	9.386802	9.673228	9.302152	9.536106	9.666807	10.27432	9.777825	9.790557	9.778439	9.744853	9.368391	9.343991
PPP2R5A	PPP2R5A	9.08701	9.131272	8.808645	8.995567	8.98267	10.28596	9.484097	9.720487	9.191362	9.637337	9.165189	9.458079
PPP2R5B	PPP2R5B	7.247495	7.46658	6.981914	7.41646	7.411925	7.953763	7.774999	7.899968	7.82821	8.0296	8.185986	8.037945
PPP2R5C	PPP2R5C	8.897232	9.17531	8.886715	9.011029	8.829144	9.463548	8.917052	9.202481	9.065587	9.178366	9.146598	8.78318
PPP2R5D	PPP2R5D	8.223522	8.351428	7.944459	8.13947	7.925858	8.033771	7.973048	8.030895	7.947708	7.964406	8.033868	7.866399
PPP2R5E	PPP2R5E	11.60459	11.98084	11.43191	11.65826	11.21358	11.46338	10.76445	10.92736	10.81297	10.80801	10.85981	10.87552
PPP3CA	PPP3CA	7.669144	8.027882	7.643827	7.867249	7.707725	7.855985	7.701414	7.4537	7.585299	7.470336	7.375325	7.761001
PPP3CB	PPP3CB	9.829582	10.15534	9.968767	10.66807	10.41288	10.53741	10.57479	10.83387	10.70738	10.79932	10.74604	10.62127

PPP3CC	PPP3CC	7.435072	7.497965	7.890223	8.984651	9.081056	9.373092	8.881444	9.011747	8.930843	9.009641	9.397525	9.131876
PPP3R1	PPP3R1	9.98327	10.6032	10.1785	10.08177	10.05522	10.59532	10.03466	10.18635	10.15807	10.06199	10.14288	10.3617
PPP3R2	PPP3R2	6.794296	7.026944	6.775044	6.938251	6.908086	6.804686	6.901886	6.853188	6.808734	6.992644	6.831255	6.806248
PPP4R1	PPP4R1	10.39235	11.29513	10.85146	11.26496	10.73234	11.00249	10.51689	10.61442	10.37262	10.43863	10.42706	10.3286
PPP4R1L	PPP4R1L	7.008869	7.177809	6.917292	7.031602	6.891381	6.967016	6.802818	6.953145	6.888296	6.914922	6.796519	6.807269
PPP4R2	PPP4R2	7.055842	7.218649	7.144937	7.256547	7.137514	7.278539	7.028558	7.032442	7.084592	7.122984	7.050204	7.108349
PPP5C	PPP5C	6.943407	7.10214	7.032913	7.127024	6.969571	7.084964	6.985167	7.022416	6.929657	7.091811	6.840857	7.09421
PPP6C	PPP6C	11.71688	11.95237	11.22898	11.35535	11.34149	11.73353	11.08354	11.30188	11.28461	11.20965	11.25974	10.93482
PPRC1	PPRC1	10.4388	10.67395	9.592019	9.858052	9.445657	9.300501	8.834873	8.883888	8.959576	8.788944	8.96533	8.764469
PPT1	PPT1	12.45862	12.91926	12.2699	12.14794	11.58962	11.43079	10.90927	10.79148	11.16005	10.86798	10.68607	11.11842
PPT2	PPT2	7.536729	7.906089	7.783463	8.495028	8.256263	7.835137	7.478131	7.680424	7.516588	7.506484	7.592321	7.511949
PPWD1	PPWD1	9.30258	9.832945	9.391516	9.428309	9.104402	9.551767	8.931326	9.009567	9.013957	8.801111	8.691964	8.615295
PPY	PPY	6.914922	6.969791	6.763626	7.070957	6.89155	6.960874	6.814733	6.903369	6.865571	6.881106	6.711803	6.8177
PPY2	PPY2	6.899579	7.128427	6.699082	6.960659	6.951889	6.836269	6.806108	6.849233	6.852257	6.784077	6.67554	6.807602
PPYR1	PPYR1	6.824524	6.912529	6.750703	7.007597	6.882977	6.915208	6.791088	6.913823	6.855783	6.837661	6.691494	6.830374
PQBP1	PQBP1	8.66685	9.09661	8.34485	8.628881	8.53463	9.055194	8.545651	8.560858	8.511479	8.591659	8.396534	8.28643
PQLC1	PQLC1	9.655398	10.10477	10.317	10.49583	10.50226	10.4302	9.789226	10.25758	10.11017	10.17196	10.32103	9.858253
PQLC2	PQLC2	6.890749	7.150174	6.867914	7.107287	7.024606	7.124343	6.929338	6.976372	7.022539	7.101388	6.908988	6.926088
PQLC3	PQLC3	9.241531	9.135091	9.047395	8.538003	8.64003	8.542921	8.245334	8.534852	8.674291	8.411474	8.827184	8.374586
PRAC	PRAC	6.919502	7.021895	6.81022	7.042479	6.832948	7.157266	6.893631	6.937343	6.983749	6.983054	6.696601	6.934736
PRAF2	PRAF2	7.076126	7.266178	6.936605	7.451833	7.410514	7.739211	7.714733	7.442165	7.526722	7.51407	7.766147	7.84363
PRAM1	PRAM1	6.889464	6.9878	6.750653	6.993872	7.021207	7.017845	6.845316	6.887554	6.824088	6.985315	6.841445	6.846028
PRAME	PRAME	7.032858	7.158776	6.883716	7.108545	7.027799	7.105186	6.957923	7.075809	7.003011	6.998338	6.82143	6.879182
PRAMEF1	PRAMEF1	6.840874	6.991465	6.793319	7.024121	6.902778	6.939808	6.85968	6.896458	6.820484	6.879247	6.811941	6.833847
PRAMEF1(	PRAMEF1(	6.867421	7.067307	6.836208	7.021535	6.933909	7.005643	6.863107	6.947724	6.893826	6.930353	6.782564	6.853168
PRAMEF1(	PRAMEF1(	6.780141	7.097533	6.733997	6.909118	6.94874	6.907915	6.747091	6.93465	6.757871	6.795143	6.812157	6.671571
PRAMEF2	PRAMEF2	6.875959	7.079867	6.76116	6.893443	6.882352	6.987425	6.839721	6.858612	6.855523	7.069283	6.803542	6.864469
PRAMEF3	PRAMEF3	6.788786	7.160545	6.728199	6.977798	6.917437	6.969908	6.90751	7.042016	6.974437	6.960994	6.769335	6.886869
PRAMEF4	PRAMEF4	6.979656	7.082946	6.824554	7.06894	6.948085	6.992802	6.930183	6.960721	6.853429	6.897731	6.845189	6.766739
PRAMEF5	PRAMEF5	7.248924	7.522968	7.183033	7.458334	7.296066	7.194622	7.306249	7.249414	7.270602	7.318004	7.147629	7.1431
PRAMEF6	PRAMEF6	6.808448	6.928607	6.820782	6.968542	6.995715	6.9439	6.916851	6.975997	6.889474	6.851855	6.811984	6.78773
PRAMEF7	PRAMEF7	6.91542	7.111964	6.872133	7.030349	7.00636	7.119641	6.890114	6.993612	6.902923	6.997275	6.82688	6.883852
PRAMEF8	PRAMEF8	6.860366	7.081384	6.763877	7.089915	6.922454	7.019091	7.061467	7.003173	6.911115	6.9511	6.732009	6.72144
PRAMEF9	PRAMEF9	7.000529	7.057779	6.929543	7.015179	6.992312	6.988088	6.855058	6.873469	6.905208	6.869296	6.758613	6.830367
PRAP1	PRAP1	6.926407	7.123065	6.838288	7.055417	6.95128	7.012911	6.898973	7.004712	6.943104	6.86178	6.736547	6.907598
PRB1	PRB1	6.883437	7.187212	6.976883	7.110501	7.028717	7.101926	7.005126	7.020787	6.951192	7.045202	6.807722	6.900932

PRB2	PRB2	6.953818	7.124479	6.866386	7.108274	6.998301	7.054156	6.947681	6.987124	6.867003	6.877097	6.874923	6.932027
PRB3	PRB3	7.100606	7.312241	6.966138	7.196957	7.085324	7.007187	7.038138	7.058989	6.950321	6.98359	6.911099	6.948365
PRB4	PRB4	6.842079	7.019634	6.847894	7.014855	6.933789	7.022379	6.931402	6.879143	7.009977	6.991591	6.777918	6.851079
PRC1	PRC1	10.55763	10.80267	10.51415	10.93648	10.9019	11.42711	10.74046	10.95337	10.67482	10.5858	9.943493	8.703293
PRCC	PRCC	8.283291	8.468372	7.995777	8.346963	8.047756	8.311048	8.008845	8.145512	7.908977	8.102316	7.936831	7.823529
PRCP	PRCP	11.52836	11.60257	11.81919	11.64134	11.59635	11.94803	11.4462	11.31662	11.48765	11.15228	10.98093	11.17655
PRDM1	PRDM1	7.028362	7.365974	8.911432	7.881893	7.343922	7.04968	6.918423	6.99587	6.997714	7.004963	6.963532	7.067593
PRDM10	PRDM10	8.362194	8.393971	8.119036	8.235077	8.117997	7.952576	7.691312	7.828663	7.797306	7.564427	7.666126	7.602437
PRDM11	PRDM11	6.911885	7.081312	6.766006	7.077667	6.858773	6.967542	6.968463	7.022207	6.78765	6.963047	6.828198	6.888458
PRDM12	PRDM12	6.790285	7.005741	6.76847	6.989144	6.771273	6.830794	6.873484	6.930698	6.882643	6.900711	6.784577	6.770487
PRDM13	PRDM13	6.878085	6.961362	6.753119	7.024986	6.986072	6.881748	6.882202	6.890608	6.8626	6.887197	6.719861	6.91551
PRDM14	PRDM14	8.42711	9.48271	6.995904	7.087462	6.950918	6.948536	6.907405	6.93699	6.907933	6.920334	6.811755	6.860083
PRDM15	PRDM15	6.887145	7.024342	6.984265	6.989041	6.962455	7.101298	6.915642	7.021845	6.800986	7.059825	6.775209	6.825609
PRDM16	PRDM16	6.917238	7.007682	6.782532	6.997601	6.940194	7.261216	7.179995	7.144809	6.982439	7.006399	6.869945	6.978578
PRDM2	PRDM2	6.983394	7.106717	6.904084	7.121989	7.088433	7.13337	7.052955	7.0425	7.004191	6.99375	6.901289	6.942998
PRDM4	PRDM4	9.083769	9.586804	8.964804	9.479764	9.430569	9.472784	9.127654	8.821151	9.212082	8.937292	8.619937	9.280406
PRDM5	PRDM5	6.92646	7.116722	6.959892	7.059653	7.065136	7.078417	6.873609	6.985269	6.854986	6.991875	6.803075	6.943372
PRDM6	PRDM6	7.028324	7.245783	7.120321	7.947634	7.769794	7.620404	7.252271	7.274709	7.234354	7.265352	7.024597	7.045983
PRDM7	PRDM7	7.090406	7.287085	6.975429	7.483311	7.260401	7.213784	7.139177	7.194365	6.989811	6.995835	6.852513	7.045037
PRDM8	PRDM8	6.92417	7.077882	7.13385	7.287438	7.116538	7.211309	7.01637	7.165653	7.331101	7.269408	7.972634	7.452691
PRDM9	PRDM9	6.998664	7.234852	6.873337	7.24959	7.038848	7.176755	7.136063	7.177449	7.088316	7.050543	6.925262	6.886334
PRDX1	PRDX1	13.93744	14.26041	13.64181	14.09747	13.27571	13.79124	13.17188	12.79494	12.73212	12.63677	12.76931	12.40333
PRDX2	PRDX2	11.13225	11.30172	10.78881	11.26617	11.24042	12.34249	12.08785	12.04983	11.90562	12.18971	12.0255	11.67855
PRDX3	PRDX3	12.18251	12.32741	11.89071	11.84529	11.9684	12.88912	12.41561	12.65	12.54147	12.56335	12.51023	11.90898
PRDX4	PRDX4	12.40678	12.72895	12.36114	12.60189	12.23478	12.20024	12.10064	11.86904	12.14032	11.96856	12.22535	12.11963
PRDX5	PRDX5	12.29002	12.73754	11.94153	12.47162	12.84623	13.59281	13.17708	13.18786	13.237	13.19398	13.30391	12.81593
PRDX6	PRDX6	13.43977	13.4652	12.99721	13.71786	13.48149	13.51784	13.00092	12.93401	12.98041	12.80116	12.70373	12.41391
PREB	PREB	7.847778	8.253952	7.5438	8.068865	7.983011	8.58837	8.333929	8.462147	8.207	8.496327	8.550013	8.468164
PRED57	PRED57	6.845196	7.194301	6.869956	7.11101	7.027085	7.1945	6.886997	6.974671	6.921022	7.050892	6.878672	6.892206
PREI3	PREI3	9.666914	9.448032	9.445498	9.726519	9.38629	10.58173	9.882028	10.03574	9.912082	10.03587	9.655933	9.786868
PRELID1	PRELID1	10.95672	11.22355	10.57142	10.64577	10.0671	10.43835	9.706428	9.831767	9.861907	9.832328	10.18266	9.64169
PRELID2	PRELID2	7.028457	7.290699	6.876022	7.185447	7.167038	7.27152	7.113126	7.099241	7.052964	6.903271	6.882501	6.940042
PRELP	PRELP	6.971113	7.032216	6.886892	7.077785	6.966811	6.984905	6.933623	6.998638	6.932401	6.964172	6.85659	6.95913
PREP	PREP	9.474242	9.606332	9.190283	9.580869	9.568246	10.90332	10.03237	10.08099	9.932361	10.35438	9.808312	9.949393
PREPL	PREPL	8.772776	9.107751	8.545471	9.017606	9.371718	9.983574	9.653519	9.686037	9.923794	9.783788	9.241055	9.720348
PREX1	PREX1	7.102303	7.200906	7.471297	7.4021	7.107214	7.07732	7.002666	7.037705	7.132589	6.982427	6.860073	6.800461

PRF1	PRF1	6.875464	7.000763	6.78463	6.976052	6.944601	6.984617	6.813802	6.87855	6.872578	6.835908	6.612571	6.721771
PRG2	PRG2	7.387944	7.503699	7.30731	7.511205	7.363686	7.258986	7.0689	7.032007	7.049556	7.079516	6.856168	6.890834
PRG3	PRG3	6.745187	7.092071	6.735975	6.965935	6.84517	6.823296	6.836608	6.900134	6.824273	6.857376	6.685473	6.764785
PRG-3	PRG-3	7.317333	7.589036	7.298359	7.640984	7.339226	7.120865	7.071515	7.143916	7.325682	7.029545	6.905923	6.931037
PRG4	PRG4	6.955036	7.106709	6.880058	7.051191	6.996213	6.895328	6.935836	6.993653	7.28697	7.132944	8.379335	7.266963
PRH1	PRH1	7.028095	7.255677	6.9912	7.138849	7.065056	7.021408	7.102042	7.083067	7.056551	7.152501	6.96703	7.045297
PRH2	PRH2	6.977038	7.065844	6.783817	7.06877	7.0406	7.008632	6.991949	7.083558	7.027631	7.016158	6.837785	6.887031
PRIC285	PRIC285	9.321252	9.496796	8.539551	8.860945	8.48255	8.142504	7.869753	7.975272	8.146756	7.672519	7.720157	7.752798
PRICKLE1	PRICKLE1	11.26682	11.66212	10.69602	11.76763	11.98616	12.46698	12.25293	12.44737	11.77094	12.05837	11.27973	11.12687
PRICKLE2	PRICKLE2	7.886665	8.587256	8.522632	9.532173	9.203149	10.18207	9.441218	9.301614	9.165815	9.109629	9.06002	9.101962
PRIM1	PRIM1	10.19488	10.76958	9.767024	9.267645	8.885266	8.845021	8.313134	8.365611	8.317522	8.266291	7.737265	7.566548
PRIM2A	PRIM2A	7.707645	7.99641	7.62181	7.693225	7.401579	7.409892	7.1526	7.237061	7.267119	7.289283	7.054757	7.171166
PRIMA1	PRIMA1	6.890401	7.081889	6.837284	7.0381	7.01333	7.013612	6.880722	6.970735	6.861065	6.899391	6.778648	6.820853
PRKAA1	PRKAA1	8.464988	8.644934	8.707751	8.929502	9.28369	9.892188	9.546445	9.31521	9.383511	9.378277	8.934365	9.225942
PRKAA2	PRKAA2	7.051745	7.547479	6.902479	7.01583	7.023283	7.498253	7.671525	7.559265	7.557883	7.864559	7.377271	7.517961
PRKAB1	PRKAB1	8.472873	8.752351	8.36884	8.772415	8.460451	9.38338	8.6446	8.715853	8.514105	8.664764	8.409323	8.533818
PRKAB2	PRKAB2	8.789822	9.011664	8.732581	9.155133	8.894767	9.79295	9.219302	9.198741	9.16751	9.095066	8.813518	9.048704
PRKACA	PRKACA	6.879875	7.130048	6.834636	7.051707	7.062164	7.078535	7.0278	7.081292	7.045798	7.034531	6.886258	6.964826
PRKACB	PRKACB	7.006867	7.133189	6.884685	7.041133	7.033348	7.246209	7.034766	7.11674	7.053529	7.178134	7.034116	6.944277
PRKACG	PRKACG	7.162447	7.207631	6.952472	7.16219	6.99033	7.200305	7.099287	7.230515	7.117813	7.079038	6.956787	7.003112
PRKAG1	PRKAG1	8.502326	8.566279	8.006995	8.260083	8.67615	9.656483	9.26443	9.248771	9.221904	9.386795	9.353501	9.581702
PRKAG2	PRKAG2	7.986505	8.183553	7.697433	8.698952	8.807371	10.71458	10.3233	10.41234	10.29029	10.64339	10.16775	10.00066
PRKAG3	PRKAG3	6.926083	7.012319	6.799338	6.917113	6.867875	7.009406	6.844689	6.932045	6.856673	6.860497	6.773596	6.791561
PRKAR1A	PRKAR1A	10.17103	10.96481	10.61255	11.05038	11.5389	12.38367	11.89202	12.11082	11.91947	12.08809	11.6437	11.80667
PRKAR1B	PRKAR1B	8.658188	9.291835	7.623774	7.515966	7.611477	7.892493	7.472618	7.563615	7.349587	7.481482	7.557519	7.493426
PRKAR2A	PRKAR2A	7.632384	7.82124	7.656102	7.705978	7.704606	8.528508	8.22535	8.399916	8.073935	8.170326	8.231764	8.341306
PRKAR2B	PRKAR2B	7.026092	7.296304	6.933252	7.164596	7.095941	7.163864	7.12982	7.195969	6.962388	7.036431	6.912712	7.000957
PRKCA	PRKCA	8.326208	8.006734	7.492893	8.856256	9.177411	9.894019	8.839011	8.817947	8.643272	8.460998	9.082362	8.759404
PRKCABP	PRKCABP	7.507292	7.523005	7.218566	7.49965	7.41968	7.704061	7.434636	7.70388	7.530224	7.72892	7.527141	7.52467
PRKCB1	PRKCB1	8.207	8.229581	7.52882	7.259684	7.533633	7.253115	7.152284	7.232719	7.204997	7.005398	6.806691	6.857657
PRKCBP1	PRKCBP1	8.854223	9.20708	8.205896	8.546946	8.21079	7.878004	7.80112	7.748694	7.820431	7.702227	7.586725	7.609174
PRKCD	PRKCD	8.395818	8.745601	8.709857	8.196245	7.980245	7.28384	7.190404	7.26646	7.364941	7.184544	7.493157	7.462412
PRKCDBP	PRKCDBP	9.469636	9.666814	9.448549	9.306498	9.672723	9.727825	9.78478	9.984765	9.595213	9.981581	10.18487	9.844047
PRKCE	PRKCE	6.821404	7.011923	6.826975	8.141279	7.381258	7.658233	7.389344	7.404439	7.199446	7.247366	7.252108	7.297549
PRKCG	PRKCG	7.112453	7.237701	6.872839	7.024322	7.024824	6.951343	6.920748	6.931801	6.859153	6.976324	6.757432	6.760164
PRKCH	PRKCH	8.793781	8.30712	8.227756	8.720581	8.150104	8.934595	9.216694	9.864312	9.299283	9.741751	9.124304	8.268832

PRKCI	PRKCI	9.21016	9.592631	8.778888	8.80044	8.536808	8.296753	8.348542	7.881177	8.161604	7.833111	7.650953	8.13594
PRKCQ	PRKCQ	10.17049	9.925694	9.170103	9.475385	9.506659	9.30079	9.263258	9.146663	9.201038	9.354482	9.565261	10.00558
PRKCSH	PRKCSH	9.429858	9.650306	8.932411	9.410308	9.232741	8.69263	8.572961	8.50844	8.662594	8.44359	8.461901	8.572514
PRKCZ	PRKCZ	8.419081	8.620726	7.888835	8.071249	8.208341	8.287118	8.12868	8.088241	8.097362	8.084432	7.65176	8.000735
PRKD1	PRKD1	7.855397	8.365538	8.921729	10.0124	9.820238	9.466691	9.082303	8.735532	8.837174	8.477816	8.018066	8.040649
PRKD2	PRKD2	7.565381	7.992403	7.406856	7.594385	7.30413	7.310683	7.112683	7.277325	7.182885	7.147164	7.168828	7.176577
PRKD3	PRKD3	7.269582	7.607387	7.28467	7.566285	7.313373	7.380218	7.286824	7.136605	7.090417	7.187352	7.066637	7.120403
PRKDC	PRKDC	9.682064	9.981319	9.278889	9.700732	8.84123	8.766597	8.26154	8.326552	8.113865	8.141581	8.036943	8.245157
PRKG1	PRKG1	6.845113	7.088754	6.846662	7.016486	7.028354	6.981347	6.892113	6.96947	6.982487	6.984599	6.905513	6.91162
PRKG2	PRKG2	6.860173	7.088738	6.8068	6.95397	6.886596	7.064788	6.848514	6.904786	6.857723	6.906833	6.825248	6.885061
PRKRA	PRKRA	10.66616	10.89531	11.06088	11.08356	10.98418	10.99397	10.73714	10.50818	10.84571	10.63031	10.32737	10.4831
PRKRIP1	PRKRIP1	8.877972	9.271751	8.93291	9.134831	9.250765	9.436587	9.134542	8.91538	9.092755	8.934081	8.457569	8.676916
PRKRIR	PRKRIR	10.76044	11.09193	11.1666	11.5381	11.63018	11.18156	10.43895	10.42948	10.50945	10.15344	10.17759	10.01189
PRKX	PRKX	8.947407	8.737211	8.172787	8.03744	7.674267	7.59577	7.068469	7.216903	7.220981	7.062818	6.977134	7.003181
PRKY	PRKY	6.783255	7.02481	6.85558	7.039432	6.850101	6.905814	6.712848	6.955559	6.809823	6.935205	6.777497	6.656601
PRL	PRL	6.826923	6.942169	6.690522	7.174936	6.878271	6.948522	6.831654	6.94502	6.709154	6.794149	6.684526	6.76606
PRLH	PRLH	6.861115	7.01188	6.757761	6.966491	6.931638	6.838826	6.855826	6.927616	6.804292	6.895446	6.637123	6.793647
PRLHR	PRLHR	6.863713	7.078967	6.78301	6.988599	6.859151	6.840221	6.844573	6.770043	6.774516	6.904415	6.839769	6.874317
PRLR	PRLR	7.013638	7.374427	7.041214	7.182987	6.971871	7.077231	6.930795	7.089203	7.050813	7.052907	6.829618	6.947432
PRM1	PRM1	7.039014	7.091692	6.862276	7.119492	7.014826	7.00632	6.89245	7.025113	6.940575	7.016831	6.80142	6.904703
PRM2	PRM2	6.808978	7.006722	6.762941	6.997534	6.783892	6.932916	6.825735	6.833144	6.869804	6.811988	6.843061	6.695204
PRM3	PRM3	6.905854	7.11656	6.838187	7.026369	6.965857	7.028985	6.898133	6.99724	6.924306	7.055156	6.883864	6.943467
PRMT1	PRMT1	11.64422	12.00532	11.5045	11.22734	11.12857	10.97167	10.39769	10.48587	10.31511	10.48924	10.6773	10.43692
PRMT2	PRMT2	8.480162	9.103906	8.777717	9.161505	9.242762	9.733027	9.362139	9.358133	9.433612	9.28529	9.134527	8.893214
PRMT3	PRMT3	10.57706	10.48314	10.24542	9.743185	9.749779	9.905876	9.246875	9.172738	9.40488	9.088899	9.26419	9.345897
PRMT5	PRMT5	10.26459	10.70113	10.28451	10.25965	9.877071	10.24655	9.637105	9.596679	9.595752	9.645038	9.439635	9.619883
PRMT6	PRMT6	9.997972	10.71056	9.377822	9.553648	9.451318	10.44825	9.791017	9.674402	9.70117	9.532365	9.454634	9.725152
PRMT7	PRMT7	8.151557	8.508795	7.979575	8.239492	8.19858	8.553438	8.011989	8.083982	7.889463	8.22395	7.835506	7.905402
PRMT8	PRMT8	6.946286	7.173309	6.76777	7.086094	6.905818	7.004375	6.830838	6.954254	6.82114	6.92962	6.98087	6.800734
PRND	PRND	6.803514	7.189031	7.034076	7.023813	7.506053	7.029581	7.047586	7.042621	7.425286	6.991974	6.823685	6.807717
PRNP	PRNP	10.16429	11.50193	10.39828	11.07065	11.39589	12.5855	12.35945	12.59685	12.53694	12.64078	12.57058	12.90925
PRNPIP	PRNPIP	8.546533	8.620994	8.193281	8.232792	8.344036	8.393006	8.348888	8.152738	8.241284	8.249711	7.802318	8.18151
PRNT	PRNT	6.901499	6.946474	6.724831	6.973565	6.897755	7.062241	6.763036	6.963002	6.863495	6.96781	6.672953	6.835725
PRO0132	PRO0132	6.899203	7.042969	6.77199	7.041776	6.971889	6.914781	7.073799	6.898783	6.841986	7.049523	6.857671	6.881944
PRO0149	PRO0149	9.377053	9.568672	8.941111	9.278594	9.01584	9.718832	9.076443	9.325463	9.19914	9.09962	9.238888	9.292212
PRO0611	PRO0611	6.971436	7.075486	6.728153	7.028365	6.889375	7.023311	6.791488	6.862952	6.907632	6.8834	6.755491	6.721894

PRO0628	PRO0628	7.441894	7.63052	7.455719	7.842853	7.923231	7.772808	7.609027	7.573338	7.524957	7.384974	7.02002	7.144358
PRO1768	PRO1768	6.904004	6.870689	6.657416	7.011173	6.814837	6.817297	6.743355	6.899861	6.716421	6.948943	6.735126	6.816667
PRO1853	PRO1853	9.366085	9.935219	8.806685	8.745712	8.426933	8.866259	8.450282	8.390231	8.6291	8.48966	8.469404	8.571258
PROC	PROC	6.945071	7.153499	6.804548	6.946833	6.875518	6.858426	6.787899	6.890887	6.843651	6.945716	6.690892	6.881238
PROCA1	PROCA1	7.141219	7.448049	6.967439	7.182426	7.134259	7.198611	6.994151	7.016906	7.033523	7.00517	6.740312	6.906637
PROCR	PROCR	7.73812	8.243784	7.376638	8.107221	7.677633	7.544181	7.469969	7.865944	7.682851	7.679118	7.881544	7.4583
PRODH	PRODH	8.90612	10.18491	8.948807	7.933349	7.49168	7.452574	7.097831	7.065585	7.192791	7.118026	6.929351	6.780682
PRODH2	PRODH2	6.834978	7.11342	6.823885	7.046303	7.038867	6.966018	6.758976	6.967397	6.830053	6.835174	6.740708	6.779907
PROK1	PROK1	6.809083	7.159823	6.83159	7.173258	7.666739	6.945182	6.838203	6.957462	6.830271	6.869542	6.909594	6.854488
PROK2	PROK2	7.977533	7.643179	6.97022	7.182562	7.09559	7.240565	7.050888	6.958614	7.004857	7.045211	6.929603	6.779381
PROKR1	PROKR1	6.827532	6.948407	6.768257	6.987418	6.81441	6.848206	6.793912	6.97558	6.768634	6.861365	6.713409	6.812344
PROKR2	PROKR2	6.879609	7.144055	6.749915	6.985061	7.051812	7.01456	6.946659	7.010808	6.985354	7.175921	6.806478	6.86895
PROL1	PROL1	6.869385	7.071453	6.840183	7.041792	7.027027	7.055657	6.892149	6.947888	6.841206	6.972437	6.826364	6.830328
PROM1	PROM1	12.14545	12.07956	11.1763	12.14125	11.42136	9.252439	8.871466	8.451001	9.102734	8.275069	7.278878	7.416363
PROM2	PROM2	7.726218	7.942544	7.142893	7.494813	7.555175	7.491039	7.419863	7.264834	7.624643	7.22096	6.965484	7.023524
PROP1	PROP1	6.978151	7.245211	6.950337	7.139995	7.044095	7.302196	6.82366	7.091801	7.024355	7.11067	6.823178	6.904811
PROS1	PROS1	8.577052	9.451055	10.47607	10.50746	10.83436	11.79687	11.92166	12.37377	12.47439	12.41932	12.26509	12.51658
PROSAPIF	PROSAPIF	8.19815	8.259652	7.300129	7.589657	7.569662	7.614818	7.282008	7.429541	7.372274	7.187719	7.190252	7.171628
PROSC	PROSC	9.771458	10.5483	9.730724	10.32199	10.28175	10.71236	10.27073	10.25811	10.16633	10.2236	10.36529	10.14879
PROX1	PROX1	6.960146	7.125669	7.30214	7.563062	7.666839	8.832959	8.401234	8.190625	8.250114	8.069841	7.33935	8.723437
PROZ	PROZ	6.787324	6.867984	6.745316	6.957292	6.961422	6.975211	6.688728	6.81674	6.753682	6.844732	6.778892	6.734778
PRP2	PRP2	7.182996	7.09647	6.892649	7.032329	6.83915	6.853453	6.785015	6.854189	6.718247	6.807466	6.900782	6.800843
PRPF18	PRPF18	8.035595	8.404534	8.236426	8.152651	8.164015	8.394917	8.24044	8.106547	8.5116	8.421503	8.316562	8.556079
PRPF19	PRPF19	9.652149	10.52325	9.816502	9.80595	9.651526	9.516648	8.979414	8.618301	9.107839	8.838908	8.636261	8.60078
PRPF3	PRPF3	9.66921	10.02449	9.472402	9.866863	9.555985	9.639857	9.256935	9.275135	9.125585	9.256221	9.309037	8.934919
PRPF31	PRPF31	10.29495	10.66963	10.17982	10.31707	10.11054	10.28688	10.0313	10.14714	9.903753	10.25078	10.21188	9.894736
PRPF38A	PRPF38A	8.596474	8.889393	8.349716	8.546616	8.180629	8.413001	8.014766	7.988781	8.016629	8.100729	7.800514	7.853381
PRPF38B	PRPF38B	8.223122	8.530607	7.945652	7.97423	7.843344	8.204258	7.623574	7.794045	7.677978	7.693981	7.506994	7.411248
PRPF39	PRPF39	7.192169	7.20392	7.05917	7.466263	7.294463	7.307495	7.154581	7.111363	7.158741	7.180268	6.929398	7.126725
PRPF4	PRPF4	10.16709	10.52305	10.13707	10.19351	9.906683	9.931492	9.42014	9.457194	9.361478	9.376283	9.697772	9.441145
PRPF40B	PRPF40B	6.924651	7.175176	6.797493	7.016554	7.00287	7.095344	7.018559	7.090791	7.106623	7.073618	6.933688	7.148604
PRPF4B	PRPF4B	7.879209	8.135124	7.840403	8.205206	7.9497	7.98362	7.751604	7.621896	7.714991	7.556448	7.319981	7.384286
PRPF8	PRPF8	11.45999	11.43923	10.82738	11.21298	10.84296	10.57976	10.30372	10.70194	10.45348	10.80818	10.87269	10.75189
PRPH	PRPH	7.864337	8.050484	8.029354	9.189701	11.81229	7.770984	7.448501	7.383488	9.76681	7.203672	7.01362	7.259322
PRPS1	PRPS1	11.55891	11.52983	10.83991	10.7087	10.60902	11.03933	10.4053	10.47052	10.47874	10.32855	10.30685	9.960809
PRPS1L1	PRPS1L1	7.046052	7.344568	6.886892	7.179214	6.973285	7.210404	6.970373	7.073394	7.001232	7.096233	6.91286	6.994551

PRPS2	PRPS2	9.324501	9.480696	8.688162	8.571792	8.046332	7.617415	7.455459	7.48834	7.74738	7.502612	7.456538	7.458818
PRPSAP1	PRPSAP1	10.8058	11.10577	10.53038	10.79243	10.77668	11.39728	10.73506	10.82475	10.84739	10.70531	10.61799	10.53586
PRPSAP2	PRPSAP2	9.862339	10.44428	9.863212	10.27418	9.99174	10.48145	9.834786	9.556228	9.790749	9.675458	9.40216	9.556105
PRR10	PRR10	6.800863	6.985355	6.73695	6.886813	6.940256	6.903728	6.952898	6.879339	6.77492	6.904123	6.831432	6.904403
PRR11	PRR11	8.905403	8.816398	8.364289	8.368373	7.958015	7.912603	7.641471	7.513323	7.543384	7.477742	7.337014	7.084454
PRR13	PRR13	13.30539	13.55511	12.73897	12.78524	12.81476	13.1348	12.60352	12.49997	12.75857	12.55136	12.4112	12.26686
PRR15	PRR15	7.106382	7.314714	6.905837	7.249965	7.089015	7.208033	7.122236	7.078181	6.931086	7.089953	6.874675	6.951852
PRR3	PRR3	7.262073	7.673367	7.372876	7.818004	7.677721	7.546151	7.474103	7.388997	7.478249	7.490178	7.253561	7.273095
PRR4	PRR4	7.074472	7.128077	7.023847	7.325004	7.262922	7.471734	7.369028	7.418248	7.388401	7.376166	7.256649	7.119113
PRR5	PRR5	7.736363	7.598194	7.244307	8.11483	8.672576	7.99742	7.586256	7.667677	7.707074	7.343396	7.239242	7.034573
PRR6	PRR6	11.7787	11.48287	11.43605	11.38206	10.68502	9.826777	9.311946	9.431188	9.544981	8.928798	9.1645	8.703528
PRR7	PRR7	7.436678	7.617466	7.002748	7.220851	7.106915	7.365627	7.178302	7.17213	7.084241	7.280174	7.412341	7.179206
PRR8	PRR8	7.146783	7.32634	7.011788	7.477606	7.184773	7.368831	7.012547	7.00584	7.11291	7.211026	7.031645	6.906963
PRRG1	PRRG1	8.575183	8.647287	7.918562	9.208153	8.818768	9.097299	8.388076	8.450764	8.302384	8.301113	8.324318	8.317845
PRRG2	PRRG2	8.010335	8.227149	7.424709	7.449818	7.32504	6.974227	6.864517	6.85499	6.945596	6.864656	6.813481	6.833358
PRRG3	PRRG3	6.895694	7.325347	6.872899	7.203095	7.035901	7.197808	7.042292	7.137672	6.959314	7.055063	6.623683	6.772123
PRRG4	PRRG4	7.144032	7.52081	7.196497	7.435484	7.358699	7.356391	7.400543	7.197594	7.318266	7.217289	7.0357	7.165935
PRRT1	PRRT1	7.169504	7.372243	7.023786	7.192304	7.204949	7.305862	7.16371	7.193399	7.087944	7.180672	7.214046	7.06334
PRRT2	PRRT2	9.409144	9.79938	8.430468	8.857723	8.722161	8.515878	8.512598	7.954889	9.111071	8.009173	7.369957	7.766972
PRRT3	PRRT3	7.573992	8.585907	7.734109	7.688425	7.601441	7.740047	7.498213	7.416355	7.416659	7.374445	7.246004	7.139891
PRRX1	PRRX1	6.823054	7.029097	7.815639	10.35242	9.110043	9.219527	9.018159	9.536381	9.22518	9.47301	9.825637	9.491271
PRRX2	PRRX2	8.409625	9.570539	8.139902	9.600732	9.053863	7.582428	7.473631	7.206311	7.644517	7.299791	7.477569	7.478151
PRSS1	PRSS1	6.876742	7.138711	7.116088	7.302897	7.14359	7.163234	6.86279	6.909225	6.947607	7.023681	6.785396	6.899519
PRSS12	PRSS12	7.354781	7.389278	7.119289	7.420817	7.291222	7.049319	6.817937	6.996722	7.089386	6.985966	6.990302	7.073597
PRSS15	PRSS15	10.85396	11.06453	9.919893	10.22191	10.19503	10.27097	9.874184	10.06344	10.00698	10.07709	10.23608	10.31834
PRSS16	PRSS16	7.572221	7.896935	7.082299	7.576681	7.429678	7.265652	7.045256	7.151186	7.115704	7.018092	6.872044	7.147592
PRSS2	PRSS2	6.764329	7.19053	6.997096	7.092498	6.981679	7.091463	6.944422	6.977555	6.882149	7.021342	6.714589	6.889003
PRSS21	PRSS21	6.975669	7.076748	6.833491	7.134772	6.963061	7.02927	6.959439	7.030179	6.940881	6.994016	6.838165	6.915826
PRSS22	PRSS22	6.905546	7.064578	6.844997	6.963445	6.951276	7.018606	6.801915	6.975145	6.829026	6.915703	6.77608	6.880705
PRSS23	PRSS23	7.456707	8.584722	8.389283	10.97928	9.746328	9.623253	9.402898	9.46676	9.676275	9.362047	10.14257	9.651214
PRSS27	PRSS27	7.031434	7.123137	6.899611	7.116524	7.158223	7.296026	7.060416	7.247853	7.02505	7.125259	7.02701	7.007467
PRSS3	PRSS3	6.906426	7.129105	7.266918	7.341801	7.249894	6.871292	6.874088	6.999148	6.84402	7.013502	6.790151	6.872293
PRSS33	PRSS33	6.801291	6.9399	6.760808	7.066907	6.933249	7.010183	6.798258	6.868748	6.81715	7.013317	6.697017	6.777087
PRSS35	PRSS35	7.68422	8.09696	7.662828	9.765566	11.12019	12.81954	11.75196	11.90939	11.59088	11.34345	10.58951	9.913832
PRSS7	PRSS7	6.999028	7.36108	6.959287	7.19431	7.089537	7.140073	7.050188	7.123551	7.064202	7.02373	6.976098	7.056182
PRSS8	PRSS8	10.67263	10.89548	10.29271	9.964935	8.764833	7.551717	7.40911	7.472099	7.805832	7.507117	6.930823	7.018256

PRSSL1	PRSSL1	6.872162	7.130349	6.737407	7.008547	7.029809	6.938124	6.764649	6.925231	6.839295	6.862797	6.722561	6.803198
PRTFDC1	PRTFDC1	8.266212	8.998063	8.8543	8.906967	8.407012	9.09187	9.050487	8.671589	8.870286	8.584947	8.000685	7.729683
PRTG	PRTG	6.823315	6.983843	7.055048	7.576811	7.142282	6.937311	6.799655	6.853928	6.782874	6.94292	6.744684	6.784397
PRTN3	PRTN3	6.953832	7.094605	6.797052	7.104465	6.866218	7.058426	6.988865	6.947439	6.903497	7.016143	6.79079	6.881608
PRUNE	PRUNE	8.591417	8.95974	8.321606	8.628106	8.57044	9.474709	9.076998	9.053392	8.676804	8.936181	8.54828	8.550149
PRUNE2	PRUNE2	7.095601	7.244861	6.835906	7.02156	7.009845	7.038938	6.97483	6.989165	6.995381	6.967073	6.786965	6.90361
PRX	PRX	6.909846	7.101382	6.828602	6.997738	6.915407	7.044673	6.851966	6.964287	6.897966	6.957068	6.810873	6.872273
PRY	PRY	6.908024	7.115321	6.797941	7.090241	6.944157	7.015559	6.932894	6.948487	6.950933	7.045214	6.852751	6.931091
PSAP	PSAP	12.78286	13.07073	12.44446	12.75982	12.63849	12.73213	12.91431	12.92733	13.12252	13.17347	12.81288	13.38599
PSARL	PSARL	11.20427	11.58488	11.02746	10.95706	10.91087	11.37251	10.6225	10.66632	10.54429	10.58349	10.5862	10.28274
PSAT1	PSAT1	11.14094	11.63795	10.18097	10.26563	9.64638	8.310058	8.178205	8.375779	8.94296	8.04314	8.852706	8.585619
PSCA	PSCA	6.908014	7.20168	6.922693	7.083291	6.967584	7.123358	6.910007	7.057403	6.984831	7.047178	6.794124	6.845043
PSCD1	PSCD1	8.2976	8.460058	8.267225	8.744083	8.700098	8.823398	8.620948	8.572672	8.570778	8.553058	8.339271	8.370765
PSCD2	PSCD2	7.367096	7.778121	7.621856	7.987181	7.734785	8.09173	7.886742	7.871369	7.940784	8.039616	7.804247	7.543922
PSCD3	PSCD3	7.421453	7.47162	7.257163	7.65607	7.71758	7.870448	7.740134	7.777755	7.795456	7.811465	7.564129	7.656791
PSCD4	PSCD4	6.754181	6.957074	6.734439	6.862879	6.870602	6.966756	6.845444	6.866301	6.840534	6.904262	6.786155	6.819968
PSCDBP	PSCDBP	6.852162	7.114307	6.826786	7.09481	6.917639	6.980656	6.873908	7.004565	6.924106	7.069187	6.852439	6.823519
PSD	PSD	6.950256	7.142413	7.003718	7.398515	7.196	7.296844	7.122958	7.132918	7.047255	7.137168	6.856217	6.919582
PSD2	PSD2	7.040161	7.067748	6.893318	7.06297	6.904386	7.054876	6.807892	6.985222	7.48982	7.007624	6.7238	6.789392
PSD3	PSD3	7.478793	7.545417	7.415221	7.776279	7.766688	9.013766	8.436854	8.636401	8.156561	8.239392	8.191636	8.349131
PSD4	PSD4	6.958215	7.21461	7.276257	7.269506	7.185122	7.123033	6.973832	6.942889	6.991969	7.008714	6.807974	6.95955
PSEN1	PSEN1	7.011289	7.291925	6.988144	7.28477	7.104476	7.234254	7.0017	7.158061	7.021172	7.124169	6.945737	7.075046
PSEN2	PSEN2	8.41736	8.887948	8.174863	8.437491	8.585297	9.335882	8.797596	8.816651	8.742521	8.825944	8.524342	8.570873
PSENEN	PSENEN	7.721901	8.309319	7.912798	8.163091	7.979573	8.248622	8.000177	7.941538	8.063875	8.110412	7.865167	7.5937
PSF1	PSF1	6.999978	7.258509	6.88403	6.991292	7.004624	7.183462	6.917361	6.944662	6.783729	6.991056	6.874375	6.945497
PSG1	PSG1	6.673988	6.880532	6.714179	6.942053	6.802341	6.907795	6.800688	6.8118	6.77085	6.820199	6.755442	6.769449
PSG11	PSG11	6.840668	7.077625	6.805052	7.124433	6.902282	6.970072	6.811322	6.867012	6.87703	6.839046	6.754741	6.795738
PSG2	PSG2	6.780665	6.962391	6.812708	6.910802	6.86845	6.932369	6.787258	6.911029	6.874533	6.830858	6.678492	6.807468
PSG3	PSG3	6.722278	7.01132	6.741227	6.96841	6.856056	6.887695	6.79403	6.887793	6.870504	6.782788	6.757449	6.768066
PSG4	PSG4	6.871817	7.069341	6.857324	7.053889	6.904683	7.159793	6.878514	6.900674	6.870317	6.860627	6.857138	6.915334
PSG5	PSG5	6.825154	6.996934	6.767325	6.954961	6.890058	6.879637	6.782189	6.879174	6.76948	6.811643	6.756859	6.851393
PSG6	PSG6	6.919888	7.084147	6.801947	6.969615	6.951563	6.957963	6.825747	6.868252	6.864078	6.900404	6.808317	6.85779
PSG7	PSG7	6.923393	7.075036	6.801356	7.015196	6.900036	7.008389	6.894374	6.973435	6.837028	6.934828	6.834945	6.885308
PSG8	PSG8	6.868481	7.073711	6.763675	7.041041	6.85845	7.041354	6.893187	6.907925	6.867329	6.898737	6.811163	6.803722
PSG9	PSG9	6.809504	6.983291	6.812742	7.10204	6.856182	6.881667	6.837353	6.975538	6.8377	6.951804	6.799918	6.794322
PSIP1	PSIP1	10.80459	11.31548	10.35398	9.73592	9.728597	9.500954	9.007549	8.930474	9.069917	8.874229	8.320258	8.369357

PSITPTE2	PSITPTE2	7.205918	7.258781	6.960705	7.060064	6.904094	6.939791	6.883787	6.893697	6.848455	6.920563	6.841078	6.829606
PSKH1	PSKH1	6.989983	7.143578	6.985938	7.134907	7.116095	7.317574	7.233053	7.248834	7.093676	7.28521	7.055703	7.135358
PSKH2	PSKH2	6.836127	6.927797	7.65674	7.03919	6.91991	6.735203	6.718576	6.776645	6.825711	6.843008	6.705479	6.822741
PSMA1	PSMA1	10.73912	11.30495	10.65533	10.79456	10.86574	11.44285	10.94951	11.12069	11.09717	11.06068	11.0532	10.56572
PSMA2	PSMA2	10.12138	10.41529	9.894986	9.611693	9.603789	10.19662	9.589991	9.675962	9.777309	9.682388	9.257863	9.085066
PSMA3	PSMA3	11.01401	11.52158	10.76871	10.66983	10.37558	11.06925	10.56806	10.54268	10.72027	10.85351	10.69924	10.15049
PSMA4	PSMA4	11.7219	12.33186	11.64599	11.72521	11.36279	11.84697	11.45206	11.37985	11.6407	11.49472	11.30965	10.72984
PSMA5	PSMA5	12.35988	12.90764	12.20519	11.99314	11.8851	12.43238	11.84671	12.0451	12.16724	12.02181	12.16349	11.49923
PSMA6	PSMA6	12.69804	13.1327	12.78656	12.81673	12.6597	13.38621	12.84869	12.81146	12.97469	12.83707	12.58611	12.23486
PSMA7	PSMA7	7.073525	7.221754	7.102686	7.285918	7.119724	7.321529	7.195368	7.175714	7.116479	7.133579	6.952115	7.095581
PSMA8	PSMA8	6.867903	6.929891	6.770168	6.934118	6.836892	6.867498	6.775771	6.878915	6.811765	6.919068	6.784131	6.674587
PSMAL	PSMAL	6.753606	7.05602	6.774625	6.954164	6.845541	6.866622	6.849918	6.926485	6.856213	6.787639	6.740972	6.827998
PSMB1	PSMB1	13.34893	13.99358	13.26342	13.48643	13.28679	13.24953	13.25143	13.06539	13.31682	13.22847	13.13531	12.78048
PSMB10	PSMB10	10.94855	11.56288	10.26077	10.09781	10.52028	11.54011	11.24337	10.95865	11.24907	11.40003	10.98206	10.9269
PSMB2	PSMB2	12.00227	12.42313	11.83767	11.69184	11.33715	11.85579	11.18905	11.34764	11.39114	11.40273	11.53551	10.99518
PSMB3	PSMB3	12.5449	13.00304	12.44842	12.30454	12.10731	12.80749	12.41282	12.4166	12.53591	12.57331	12.42517	12.01552
PSMB4	PSMB4	12.15397	12.68426	12.02522	11.9121	11.74771	12.17318	11.78332	11.88352	11.88588	11.9904	11.9675	11.60632
PSMB5	PSMB5	12.26525	12.81425	12.29104	12.31897	11.99638	12.36872	11.99482	11.98703	12.10271	12.16124	12.0467	11.75931
PSMB6	PSMB6	13.1166	13.54618	12.8461	12.8536	12.87761	13.25356	12.97249	12.88747	13.0495	13.06152	12.90946	12.64516
PSMB7	PSMB7	12.55891	13.05913	12.69421	12.71771	12.5944	13.037	12.50889	12.66632	12.69607	12.75157	12.61471	12.47453
PSMB8	PSMB8	7.913217	8.445622	7.111271	6.98248	7.023203	6.917154	7.098902	7.401281	7.492359	7.997193	8.501215	8.404401
PSMB9	PSMB9	6.945935	7.295306	6.712068	6.888773	6.908089	6.920684	6.862502	7.027578	6.959815	7.192161	7.220603	7.215934
PSMC1	PSMC1	13.02038	13.47831	13.20352	13.34136	13.06423	13.81694	13.31052	13.51787	13.52049	13.38227	13.14327	13.15771
PSMC2	PSMC2	11.81096	12.3326	11.83713	11.85972	11.62818	12.58923	12.02995	12.26566	12.26998	12.15134	12.14009	11.79294
PSMC3	PSMC3	11.48638	12.11176	11.70963	11.84508	11.26791	11.93894	11.4746	11.28826	11.38809	11.49494	10.94275	11.41463
PSMC3IP	PSMC3IP	8.510549	8.80826	8.363105	8.342345	7.9554	7.994172	7.819059	7.842402	7.816818	7.730691	7.463139	7.207193
PSMC4	PSMC4	9.516308	10.00309	9.39396	9.726602	9.325559	9.982715	9.441725	9.801937	9.515232	9.74573	9.631241	9.194998
PSMC5	PSMC5	11.52293	12.40764	11.56331	11.71168	11.3761	11.88793	11.86629	11.31229	11.71321	11.66941	11.08337	11.56263
PSMC6	PSMC6	10.72049	11.08548	10.76859	10.65125	10.59444	11.43339	10.83409	11.11415	11.17829	11.02985	10.9786	10.69311
PSMD1	PSMD1	11.14834	11.66995	11.12145	11.25909	10.71008	11.30867	10.98055	11.31879	11.01798	11.23898	11.2752	10.77261
PSMD10	PSMD10	10.04088	10.48886	10.27827	10.65589	10.6583	11.07431	10.35336	10.47431	10.53607	10.34402	10.52183	10.31014
PSMD11	PSMD11	8.154198	8.529159	7.847396	7.875948	7.708493	8.151866	7.890511	7.691628	7.727925	7.789925	7.648464	7.784697
PSMD12	PSMD12	10.66394	11.45237	10.80112	11.16978	11.03248	11.13559	11.23114	10.88417	10.99336	11.0244	10.59253	11.02367
PSMD13	PSMD13	7.496813	7.965981	7.461968	7.70855	7.469889	7.997038	7.60143	7.644549	7.637723	7.767361	7.622784	7.685097
PSMD14	PSMD14	11.47942	11.97877	11.51168	11.2655	10.95854	11.62327	11.17736	11.0224	11.36552	11.10193	11.14294	10.67255
PSMD2	PSMD2	10.7185	11.12479	10.44016	10.77919	10.10924	10.6886	10.47083	10.61962	10.44156	10.697	10.89431	10.59005

PSMD3	PSMD3	7.812955	8.169955	7.674924	7.702743	7.580462	7.750713	7.661492	7.687616	7.617788	7.836199	7.730704	7.875117
PSMD4	PSMD4	10.80573	11.2457	10.64772	10.71878	10.59815	11.15216	10.56763	10.7742	10.7391	10.73725	10.64293	10.42108
PSMD5	PSMD5	8.637409	8.84349	8.346761	8.374598	8.194556	8.594289	8.234371	8.246914	8.170325	8.112672	8.028764	7.99227
PSMD6	PSMD6	11.37656	11.93547	11.46032	11.50542	11.34373	12.18303	11.53479	11.66089	11.65738	11.68057	11.71118	11.5008
PSMD7	PSMD7	11.65017	11.95844	11.61887	11.7013	11.3789	12.46103	11.71535	12.03624	11.9315	11.92766	12.04089	11.38882
PSMD8	PSMD8	10.36467	10.87841	10.36205	10.54218	10.38617	11.24707	10.69084	10.45662	10.66667	10.81398	10.56565	10.95557
PSMD9	PSMD9	7.511964	7.73613	7.662115	7.802408	7.705747	8.234927	7.773658	7.779862	7.685447	7.772376	7.902329	7.784462
PSME1	PSME1	10.47243	10.88749	9.878683	10.21646	10.46176	11.40423	11.28022	11.21342	11.21074	11.43842	11.09761	11.09541
PSME2	PSME2	10.40892	11.16102	10.30434	10.41036	10.16228	11.09654	10.98905	10.60894	10.79605	10.87836	10.54797	10.51729
PSME3	PSME3	9.973546	10.31053	9.370419	9.494845	8.95621	9.38797	8.826054	9.074996	8.785275	9.088779	9.199172	8.700046
PSME4	PSME4	11.22265	11.70597	11.09737	11.44082	10.67264	10.80482	10.29007	10.24417	10.15115	10.24559	10.28872	10.44209
PSMF1	PSMF1	9.304305	9.691309	8.966824	9.283525	9.743972	10.32216	10.02426	10.03503	10.0115	10.06948	9.744418	9.894772
PSORS1C	PSORS1C	7.676874	7.817916	7.537852	7.805322	7.609833	7.867836	7.691501	7.537584	7.584345	7.742015	7.376967	7.697801
PSORS1C	PSORS1C	7.022951	7.085647	6.824721	7.131145	6.919173	7.045185	6.987966	6.937834	6.842074	7.011985	6.752605	6.876355
PSPC1	PSPC1	8.663705	9.102841	8.61226	8.911653	8.4251	9.51621	8.851087	8.913048	8.841009	8.977552	8.678295	8.945633
PSPH	PSPH	9.030187	9.358425	8.180986	9.063689	8.488122	9.009979	8.487119	8.487008	8.388323	8.330016	8.319283	8.0905
PSPHL	PSPHL	6.995009	7.212812	6.931427	7.038622	7.009822	6.963623	7.024824	7.113252	6.930724	7.045475	6.765924	6.868966
PSPN	PSPN	6.837115	7.029399	6.782769	7.06571	6.899703	7.053629	6.760085	6.991092	6.861347	6.907228	6.687188	6.846607
PSRC1	PSRC1	8.762028	9.094221	8.465673	8.529873	8.019479	7.687561	7.503782	7.560634	7.670014	7.41117	7.178821	7.051126
PSRC2	PSRC2	7.699308	7.860249	7.630483	8.200826	7.914702	8.178686	7.726133	7.893868	7.713164	7.62175	7.760175	7.705767
PSTPIP1	PSTPIP1	6.852444	7.061871	6.876506	7.013469	7.048613	7.061892	6.900609	6.986133	6.891361	6.869789	6.77573	6.856876
PSTPIP2	PSTPIP2	7.376641	7.673133	8.318849	9.051894	8.151264	9.041355	8.030592	7.773724	7.759009	7.471738	7.514127	7.436596
PTAFR	PTAFR	6.89268	7.321492	6.988273	7.173837	7.142695	7.103009	6.951051	7.038183	7.019135	7.003709	6.858352	7.023207
PTBP1	PTBP1	14.08959	14.28561	13.67508	13.76854	13.39893	12.73973	11.84886	11.80581	12.06699	11.58327	11.86179	11.6215
PTBP2	PTBP2	10.34129	10.9644	10.38879	10.42221	10.15818	10.5369	9.944032	9.753795	9.883147	9.361833	8.900971	9.137165
PTCD1	PTCD1	10.54086	10.61529	9.96876	10.60077	10.13434	10.18268	9.56872	9.435188	9.554171	9.375624	8.937705	9.633135
PTCD2	PTCD2	8.324804	8.626259	8.048202	8.067396	8.187609	8.960021	8.244041	8.336981	8.293893	8.239726	8.133886	8.318136
PTCH	PTCH	7.426204	8.120214	7.88179	9.656988	8.627928	7.4832	7.182853	7.167872	7.170412	7.188036	7.040499	6.997523
PTCH2	PTCH2	6.964131	7.161306	6.919572	6.981509	6.993364	7.152917	6.986818	6.911489	6.833894	6.983964	6.904791	6.832334
PTCHD1	PTCHD1	7.893803	7.850284	7.883889	7.50302	7.661841	7.610869	7.591079	7.432218	7.660162	7.199358	7.035999	7.097352
PTCHD2	PTCHD2	7.24352	7.219669	7.426586	7.190917	6.975412	6.95218	6.868433	6.895916	6.858078	7.006307	6.773929	6.7808
PTCHD3	PTCHD3	6.881797	7.054211	6.834577	7.019668	6.923937	7.047568	6.867648	7.005037	6.966187	6.928368	6.798471	6.899871
PTCRA	PTCRA	6.82944	7.09142	6.758196	7.048763	6.987494	6.953712	6.871976	7.005639	6.915898	6.927312	6.808829	6.895833
PTD004	PTD004	6.87718	7.166569	6.842734	7.070482	6.921359	6.989165	7.004873	7.052876	7.014741	7.020548	6.859561	6.824165
PTD008	PTD008	10.86371	11.62403	11.13079	11.59649	11.69939	12.02586	11.85469	11.61412	11.96797	11.97167	11.6925	11.79049
PTD015	PTD015	9.311621	10.17781	9.43166	10.16736	10.23737	11.42882	10.96414	10.94781	11.07571	11.41	10.98438	10.99841

PTDSR	PTDSR	7.104182	7.284375	6.944874	7.278546	7.126692	7.232752	6.997716	7.083798	7.052166	7.137812	7.094502	7.256289
PTDSS1	PTDSS1	10.47929	10.58711	10.11648	10.31508	9.934433	9.726619	9.672853	10.08263	10.01937	10.08613	10.4816	10.3881
PTDSS2	PTDSS2	8.291509	8.754854	8.012896	8.549796	8.452304	8.742022	8.543079	8.564375	8.353836	8.640271	8.562941	8.459713
PTEN	PTEN	8.970075	9.402099	8.946668	9.175392	9.081171	9.437517	8.849372	8.915461	8.942418	8.762963	8.865204	8.885167
PTER	PTER	6.96645	7.09688	6.88988	7.021968	6.918521	6.887857	6.904147	6.912871	6.873851	6.909454	6.810713	6.85034
PTF1A	PTF1A	6.858973	7.07735	6.787593	7.023836	6.871236	7.036293	6.883273	6.867196	6.90076	6.906068	6.847611	6.945863
PTGDR	PTGDR	6.884605	6.977189	6.772674	7.221321	6.962244	6.999427	6.855993	6.932248	6.845427	6.966571	6.702468	6.827125
PTGDS	PTGDS	6.88211	6.994172	6.840231	6.88437	6.913152	7.038365	6.869905	7.125146	7.509678	7.215433	7.404736	9.07389
PTGER1	PTGER1	7.124649	7.40172	6.896139	7.068503	7.063517	7.280982	7.107569	7.137159	7.12295	6.984626	6.985837	7.010696
PTGER2	PTGER2	7.279502	7.299906	6.891173	7.310902	7.116995	7.114916	6.907279	7.103068	7.011637	7.108518	7.158981	7.249449
PTGER3	PTGER3	6.899871	7.046788	6.80115	7.018321	6.92784	7.015818	6.908984	6.978888	6.911992	6.998389	6.783663	6.841528
PTGER4	PTGER4	7.557287	7.822894	7.341033	7.994134	9.117343	7.625809	7.207227	7.262399	7.418807	7.061124	7.164091	7.158878
PTGES	PTGES	7.400692	7.327621	6.847545	7.592277	7.433212	7.029249	6.826157	6.949049	6.985638	7.080881	7.277879	7.334037
PTGES2	PTGES2	10.26395	10.45865	9.476954	9.677568	9.995945	10.89691	10.55659	10.5396	10.37944	10.57047	10.25105	10.56369
PTGES3	PTGES3	11.78201	12.03103	11.13465	11.09048	10.68335	10.6486	10.69242	10.19146	10.834	10.47478	10.75919	10.64811
PTGFR	PTGFR	6.948945	7.16077	6.87277	7.047053	7.083488	7.163828	6.961824	7.013072	7.09204	7.004225	6.848855	6.877614
PTGFRN	PTGFRN	8.059544	8.116212	7.980044	8.674616	8.676885	9.106878	8.915935	9.226833	8.882425	9.050474	9.170502	9.157696
PTGIR	PTGIR	6.874529	6.978459	6.836408	7.033948	6.954369	6.907479	6.896796	6.970231	6.919337	6.921299	6.83312	6.848334
PTGIS	PTGIS	8.372629	8.042523	7.594475	8.663777	9.029654	7.184424	7.931607	8.552786	8.664326	8.118281	8.791542	7.556783
PTGS1	PTGS1	6.963988	7.024296	6.937115	7.049094	6.963365	7.044738	7.110761	7.576048	7.657258	7.672375	7.920655	7.07283
PTGS2	PTGS2	7.175352	7.320835	7.101239	7.596158	7.306396	8.218576	8.96286	9.134463	9.586631	8.68615	10.43754	10.39235
PTH	PTH	6.771429	7.033806	6.734313	6.953757	6.889323	6.968395	6.856116	6.833563	6.796237	6.916838	6.725162	6.816789
PTHB1	PTHB1	8.989929	8.688999	7.963462	8.256649	8.059844	8.261728	8.199336	8.642217	8.710295	9.4044	10.00178	9.305258
PTHLH	PTHLH	6.891082	7.425823	6.905646	7.271158	7.035352	7.33478	7.398457	7.835322	8.174099	8.431867	10.79158	10.34654
PTHR1	PTHR1	7.244546	7.8953	9.755464	9.198975	9.776689	10.9793	10.72285	10.5082	10.47712	10.53301	9.438124	10.0909
PTHR2	PTHR2	7.074623	7.318021	6.888907	7.088998	6.998706	7.05001	6.841715	6.995036	6.96242	6.962514	6.904489	6.987131
PTK2	PTK2	11.02119	11.29097	11.17467	11.36838	11.17351	10.9397	10.53031	10.61434	10.62272	10.48677	10.53542	10.21052
PTK2B	PTK2B	6.998521	7.253622	7.023618	7.242247	7.241852	7.346002	7.075128	7.107461	7.110759	7.123349	7.017991	7.032622
PTK6	PTK6	6.964717	7.205575	6.945095	7.170201	6.991173	7.123722	6.984364	7.009848	6.974316	7.052335	6.862545	6.958752
PTK7	PTK7	8.007718	8.408252	8.440481	8.652044	8.336765	7.883221	7.697182	7.676404	7.916388	7.765167	8.013171	7.856153
PTK9	PTK9	7.046452	7.39529	7.051034	7.364064	7.234107	7.343959	7.230789	7.320422	7.272436	7.335602	7.303243	7.303185
PTK9L	PTK9L	9.206865	9.383944	8.505067	8.586954	8.774485	8.627126	8.491523	8.491301	8.351066	8.490446	9.286516	8.764784
PTMA	PTMA	10.94266	11.57047	10.76349	10.1638	10.16057	8.815559	9.417475	8.388131	9.247732	8.676754	8.875817	8.595917
PTMS	PTMS	9.185911	9.232923	9.401254	9.828236	9.507616	9.508183	9.21274	9.604275	9.425294	9.657985	10.56281	9.156796
PTN	PTN	9.158128	10.232	9.154681	9.434739	9.587841	9.869311	9.661683	9.434742	10.07887	9.599823	9.272498	9.557318
PTOV1	PTOV1	11.25707	11.37519	11.09335	11.46262	11.67833	11.96992	11.39181	11.80698	11.23975	11.61255	11.79761	11.21456

PTP4A1	PTP4A1	8.041914	8.204592	7.881927	8.413305	8.274943	8.821268	7.914917	8.056723	8.070004	7.93015	8.225006	8.177895
PTP4A2	PTP4A2	9.993477	10.06224	10.12548	10.2732	10.19583	10.52687	10.0909	10.02827	10.0284	10.01595	9.863336	9.89783
PTP4A3	PTP4A3	7.462585	7.532827	7.374564	7.949645	7.945551	9.264478	9.840042	10.26359	10.03871	10.41313	10.02751	9.707671
PTPDC1	PTPDC1	7.210787	7.414314	7.073943	7.293816	7.206713	7.259444	7.221861	7.306935	7.282123	7.177562	7.025248	7.089436
PTPLA	PTPLA	9.581651	10.44329	9.621346	10.95727	11.86708	13.60076	13.19225	13.38102	13.20871	13.24557	13.13896	12.35248
PTPLAD1	PTPLAD1	10.93316	10.92672	10.73429	10.88167	10.84111	10.64485	9.739913	9.78693	9.70106	9.143098	9.287925	9.048349
PTPLAD2	PTPLAD2	9.674218	10.52994	10.1368	10.51594	10.46637	10.26674	10.53354	9.599408	10.29762	9.727273	8.972478	10.13162
PTPLB	PTPLB	10.49373	10.7291	10.49177	10.9331	10.48117	10.85526	10.26682	10.20909	10.38548	10.29074	10.38322	10.21648
PTPN1	PTPN1	9.684825	10.04437	9.805088	10.10228	10.03414	10.53971	9.60149	9.707826	9.607687	9.698448	9.960739	9.799804
PTPN11	PTPN11	11.29572	11.65769	11.22549	11.3707	11.00985	11.34962	11.14802	11.1323	11.14862	11.10631	10.73505	10.66566
PTPN12	PTPN12	10.52501	11.22863	10.58179	10.19241	9.566902	9.50794	9.239861	9.120501	9.362986	9.07374	9.377641	9.309293
PTPN13	PTPN13	8.718086	9.34978	9.367273	10.53827	9.43695	8.788041	8.199604	8.120916	8.131015	7.782861	7.711342	7.56114
PTPN14	PTPN14	7.168924	7.54252	7.193602	7.591585	7.069637	7.11419	6.873504	7.105622	6.956696	7.08809	7.158453	7.126904
PTPN18	PTPN18	6.98954	7.146851	7.040824	7.201866	7.203995	7.178148	7.062055	7.066104	6.980757	7.029215	6.854892	6.894025
PTPN2	PTPN2	8.221211	8.619936	8.174723	7.919482	7.71898	7.820191	7.502128	7.505153	7.573144	7.425828	7.425661	7.296441
PTPN20	PTPN20	6.953134	7.137777	6.863209	7.053418	7.073563	7.067651	7.036028	7.006151	6.920932	6.946354	6.880388	6.919327
PTPN20A	PTPN20A	6.79103	6.829609	6.695954	6.964307	6.891179	7.12317	6.88802	6.904423	6.818993	6.783123	6.775384	6.774874
PTPN20B	PTPN20B	6.806072	7.038891	6.749437	7.035505	6.923567	6.991146	6.845744	6.876879	6.918152	6.933536	6.817218	6.940694
PTPN21	PTPN21	7.190182	7.677616	7.211972	7.498798	7.428284	8.127492	7.967501	8.059888	7.838593	7.966645	7.532278	7.660853
PTPN22	PTPN22	6.913833	7.023153	6.809478	6.971642	6.951832	6.978116	6.804671	6.876741	6.89829	6.950707	6.789735	6.897933
PTPN23	PTPN23	7.422839	7.730242	7.197565	7.52586	7.357108	7.52615	7.214255	7.258267	7.264539	7.285155	7.290412	7.34804
PTPN3	PTPN3	7.151497	7.227232	6.850755	7.232323	7.016687	7.101632	7.135915	7.185518	7.211601	7.28806	7.209515	7.26319
PTPN4	PTPN4	9.478476	10.11239	9.043467	8.737113	8.83949	9.498139	9.140748	9.216208	8.943564	9.05477	8.447163	8.416985
PTPN5	PTPN5	6.960732	7.111836	6.860584	7.136334	6.928727	7.055954	7.034332	7.060035	7.059791	6.984285	6.857553	6.901051
PTPN6	PTPN6	7.270243	7.508379	7.138301	7.307577	7.057726	7.055796	6.902547	6.8818	6.968112	6.987838	6.799749	6.853191
PTPN7	PTPN7	6.90701	7.102343	6.908247	6.996409	6.925462	6.999516	6.877091	6.962707	6.906407	6.983155	6.780686	6.84303
PTPN9	PTPN9	7.278033	7.516246	7.170876	7.358868	7.193997	7.250054	7.078018	7.280283	7.127566	7.238919	7.148384	7.091432
PTPNS1	PTPNS1	7.891112	8.765856	7.739675	8.347994	9.345788	11.09396	10.733	10.70338	10.22326	10.78346	10.46412	10.16904
PTPNS1L3	PTPNS1L3	6.97017	7.050152	6.818949	7.081492	6.896951	7.032491	7.071457	6.946427	6.929957	6.96061	6.876912	6.897239
PTPRA	PTPRA	8.273225	8.377648	8.039751	8.483655	8.432998	8.548948	8.244885	8.202161	8.295839	8.175429	8.039436	8.018985
PTPRB	PTPRB	6.882653	7.052636	6.791535	7.028411	7.017167	7.096323	6.862244	7.130004	7.111681	7.050983	7.535652	7.235258
PTPRC	PTPRC	6.872856	7.051238	6.779812	6.973398	6.932164	6.981368	6.791469	6.917896	6.881974	6.936394	6.737454	6.799986
PTPRCAP	PTPRCAP	6.908113	7.250332	6.936576	7.148054	7.12184	7.152017	6.938229	6.986334	7.013751	7.146639	6.891205	6.985127
PTPRD	PTPRD	8.603063	8.884399	8.307701	9.96724	9.940417	10.04754	9.449936	9.31457	8.985059	8.793115	7.894519	7.641536
PTPRE	PTPRE	6.930082	7.064879	7.014596	7.430052	7.205154	7.236337	7.107399	7.378087	7.210366	7.370427	7.602137	7.22468
PTPRF	PTPRF	11.03332	11.23776	10.08785	10.82425	10.76555	9.314861	8.897093	8.84136	9.494692	8.681004	9.496879	8.734787

PTPRG	PTPRG	7.964188	8.515993	8.467058	8.189706	7.560412	7.555488	7.339459	7.211321	7.489626	7.269735	7.166445	7.247113
PTPRH	PTPRH	6.989655	7.194386	6.996867	7.11841	7.452371	7.144622	7.167672	7.331448	7.128058	7.337557	7.190895	7.047115
PTPRJ	PTPRJ	6.971818	7.112332	6.873912	7.002269	6.916261	6.976383	6.886913	6.925284	6.863373	7.086346	6.845336	6.93705
PTPRK	PTPRK	9.741434	9.998516	9.480635	10.35081	10.32172	9.936362	9.342219	9.2677	9.331845	9.138628	9.251131	9.062206
PTPRM	PTPRM	9.567346	10.07169	10.21697	10.85344	10.65765	11.05367	10.61508	11.0688	10.85623	11.02751	11.12152	11.09558
PTPRN	PTPRN	6.987229	7.671828	6.993371	7.184719	7.013551	7.082408	6.877901	7.280809	7.10379	7.08672	7.460829	7.220552
PTPRN2	PTPRN2	6.891677	7.085503	6.77418	7.081121	6.888372	6.871806	6.960055	6.94461	7.017659	6.934656	6.829654	6.868206
PTPRO	PTPRO	6.813938	7.078147	6.791991	6.92389	6.888529	6.820769	6.769782	6.94997	7.575268	7.029597	6.803893	6.822181
PTPRQ	PTPRQ	6.951606	7.134898	6.819314	7.161274	6.967291	7.02869	6.959254	6.992822	7.064755	7.035831	6.905517	7.081529
PTPRR	PTPRR	6.95287	7.23627	6.886614	7.152106	7.104655	8.175007	7.793891	7.943574	7.811453	7.599541	7.400394	7.32474
PTPRS	PTPRS	6.993294	7.172334	6.927719	7.079683	6.970951	7.052109	6.90684	7.025259	6.977886	6.996969	6.719887	6.869209
PTPRT	PTPRT	6.8995	7.109003	6.840908	7.092292	6.944971	6.998413	6.893185	6.98253	6.885268	6.987201	6.880184	6.870984
PTPRU	PTPRU	7.278366	7.494175	7.328088	7.299198	7.337517	7.214408	7.172316	7.212927	7.090434	7.179073	7.09799	7.255739
PTPRV	PTPRV	6.967987	7.080672	6.778663	7.118658	6.877108	6.904435	6.825126	6.927056	6.873344	6.949108	6.768289	6.845477
PTPRZ1	PTPRZ1	10.11312	10.6756	9.07042	7.942801	7.22503	7.182718	6.958432	7.082728	7.491928	7.111514	7.127968	6.904668
PTRF	PTRF	9.71688	10.90779	8.995817	10.39874	10.88892	12.12106	12.12559	12.32341	12.30694	12.68619	12.68121	12.76748
PTRH1	PTRH1	7.650317	8.249627	7.571596	7.574081	7.882643	8.080845	8.06057	8.05803	7.962389	8.178365	8.416407	7.98583
PTRH2	PTRH2	9.73217	10.04264	9.52096	9.236558	9.04798	9.423525	8.861187	8.921108	9.268468	9.036071	9.327492	8.764147
PTS	PTS	9.907083	10.55353	10.49394	10.61895	10.47015	11.33122	10.66707	10.32103	10.79645	10.61943	10.8908	10.48615
PTTG1	PTTG1	12.60737	12.84021	12.24315	12.34647	11.98044	12.1309	11.89083	11.72659	11.92596	11.6967	10.70565	9.009482
PTTG1IP	PTTG1IP	11.65641	12.1038	11.89067	12.52996	12.46029	12.72015	12.36837	12.52282	12.35341	12.52991	12.66478	12.74878
PTTG2	PTTG2	8.876235	9.137361	9.43039	9.644945	9.157258	9.728491	9.30557	9.170522	9.209632	9.217264	9.101635	8.954895
PTTG3	PTTG3	11.61556	11.86245	11.34485	11.299	11.14448	11.01742	11.04607	10.7754	10.96944	10.81692	9.897567	8.261144
PTX3	PTX3	6.827305	7.192907	6.926871	7.018797	7.055107	7.043283	6.913498	6.998107	6.965711	6.970851	7.140087	6.965106
PUM1	PUM1	11.38038	11.61984	11.32428	11.5555	11.41228	11.67724	10.8754	11.07075	10.90658	10.72804	10.73442	10.6999
PUM2	PUM2	10.26199	10.11357	10.21684	10.55254	10.44109	10.55307	9.948556	9.917841	9.843254	9.624262	9.398888	9.602447
PUNC	PUNC	11.08555	9.823237	11.22027	12.96065	12.56763	10.94961	8.997405	7.944392	8.54938	7.259319	6.893947	6.869282
PURA	PURA	7.171827	7.235338	7.332521	7.759227	7.914737	8.206283	8.016806	8.109075	8.081166	7.9918	8.017575	8.136862
PURB	PURB	10.59466	10.72357	10.37981	10.69053	10.94924	11.2766	10.71398	10.67793	10.57971	10.4363	10.28306	10.29154
PURG	PURG	7.283754	7.324985	7.074542	7.358406	7.088948	7.343949	7.092714	7.133959	7.185008	7.104393	6.894445	6.987152
PUS1	PUS1	10.31273	10.58983	9.488059	9.397175	8.918616	8.596428	8.130082	8.112142	8.294059	8.012363	7.90194	7.912413
PUS3	PUS3	8.908372	9.380374	8.816384	8.773311	8.628	9.159846	8.555869	8.495051	8.654712	8.486872	8.449517	8.459086
PUS7	PUS7	10.5693	10.91299	10.39061	10.07645	9.633149	9.414458	8.717471	8.454662	8.467516	8.256804	8.262059	8.186715
PUS7L	PUS7L	8.041235	8.24402	7.630684	7.710462	7.620156	7.596861	7.503009	7.521345	7.399097	7.468971	7.277318	7.167618
PUSL1	PUSL1	8.258835	8.28751	7.733878	7.871793	7.694542	8.02004	7.692153	7.769388	7.657598	7.846992	7.899259	7.655884
PVALB	PVALB	7.329507	7.111421	6.799387	6.987887	6.858826	7.510769	7.563075	7.180251	7.320886	7.15009	6.880352	6.841859

PVR	PVR	7.466174	8.0523	7.531137	8.440554	7.972285	8.075607	7.93174	8.097079	8.108638	8.442293	8.946498	8.865693
PVRL1	PVRL1	7.138857	7.3297	6.901155	7.040767	6.928052	7.010822	6.943324	7.089546	6.943772	7.101972	6.926928	6.899285
PVRL2	PVRL2	8.295963	8.308469	8.403509	9.38192	9.036762	9.103971	8.511917	8.736711	8.393914	8.652117	8.742518	8.322845
PVRL3	PVRL3	10.53597	11.6065	9.887218	10.49377	10.24025	10.27495	9.361918	9.357933	9.743089	9.196586	8.907884	9.006456
PVRL4	PVRL4	6.966807	7.119159	6.789788	7.034716	6.883727	6.907124	6.834155	6.852871	6.944002	6.960865	6.796358	6.695659
PVT1	PVT1	7.457446	7.60446	6.985991	7.092766	6.886897	7.114763	6.834223	6.902318	6.847627	6.860085	6.88514	6.777479
PWP1	PWP1	11.08005	11.36787	10.89961	10.8669	10.48525	10.40386	9.734639	10.04871	10.10407	9.715789	10.15161	9.748495
PWP2H	PWP2H	7.261393	7.567972	6.999114	7.229161	7.150969	7.245105	7.09888	7.131339	7.040087	7.208914	7.059465	7.082261
PWWP2	PWWP2	7.189564	7.39659	7.111454	7.356357	7.341572	7.450349	7.203111	7.30315	7.263255	7.305222	7.206618	7.154429
PXDN	PXDN	9.749321	10.58058	10.2729	10.64917	10.5132	9.346038	9.724822	9.320535	9.71258	9.159856	9.85955	9.524667
PXDNL	PXDNL	6.840151	7.009762	6.802641	7.002475	6.869088	6.940398	6.872768	7.011769	7.082162	7.418439	7.416583	7.560258
PXK	PXK	6.95153	7.122238	6.886713	7.665719	7.571664	7.384654	7.289918	7.206061	7.233529	7.355031	7.268922	7.402145
PXMP2	PXMP2	8.370354	8.861117	8.73639	9.015445	9.309052	9.972393	9.593004	9.611399	9.456208	9.751483	9.382426	8.937471
PXMP3	PXMP3	9.261152	9.173327	9.33028	9.619113	10.20669	10.50737	10.07721	10.17675	10.27815	10.13145	9.925197	9.831712
PXMP4	PXMP4	7.354038	7.671915	7.081731	7.17878	7.11045	7.242713	7.187281	7.270033	7.18005	7.403153	6.987336	7.201147
PXN	PXN	7.263243	7.831792	7.440429	7.639658	7.448826	7.375194	7.200078	7.245417	7.34392	7.352795	7.297722	7.27319
PXT1	PXT1	6.772291	7.001054	6.679343	6.858543	6.895403	6.940527	6.736881	6.94609	6.782135	6.897036	6.75777	6.841116
PYCARD	PYCARD	8.912319	9.44656	8.43867	7.712757	7.240708	7.038615	7.061743	7.05546	7.169135	7.110126	7.08806	6.952938
PYCR1	PYCR1	8.012876	8.209983	7.655527	7.952105	7.858081	7.766218	7.654163	7.59279	7.637307	7.560131	7.843236	7.420007
PYCR2	PYCR2	9.806936	10.04703	9.093774	8.882375	8.97065	9.688442	9.362044	9.37779	9.288748	9.564601	9.677227	9.342082
PYCRL	PYCRL	6.874479	7.158549	6.895204	7.1526	6.9178	7.027976	6.882995	6.860966	6.917096	6.919532	6.941026	6.862085
PYDC1	PYDC1	6.915635	7.080384	6.958523	7.06593	6.915475	6.959985	6.910247	6.976883	6.873761	6.957825	6.730765	6.936544
PYGB	PYGB	8.779133	9.190415	8.671962	9.091706	9.470976	10.81668	10.55171	10.77265	10.32778	10.70007	10.3668	9.93875
PYGL	PYGL	9.331949	8.949433	7.709556	8.195383	7.873944	7.909689	7.809433	7.669996	7.509004	7.62476	7.880509	7.780142
PYGM	PYGM	7.048678	7.171296	6.734497	7.029494	7.171551	7.591106	7.460117	7.502333	7.245401	7.356107	7.23213	7.219876
PYGO1	PYGO1	7.02143	7.027507	6.787404	7.220253	7.095883	7.086026	6.842482	6.949948	6.888833	6.991737	6.856148	6.879559
PYGO2	PYGO2	7.806912	7.9483	7.515734	7.908407	7.662681	7.708613	7.608817	7.666231	7.477604	7.571622	7.412881	7.318227
PYHIN1	PYHIN1	6.893261	7.047098	6.814372	7.079059	6.979781	7.002796	6.895059	6.973359	6.84581	6.934611	6.768891	6.911809
PYY	PYY	6.909737	7.036771	6.758706	7.002719	6.885864	6.921079	6.865439	6.963141	6.81356	6.946242	6.727229	6.720337
PYY2	PYY2	6.848188	7.006863	6.765768	6.934842	6.913439	6.946676	6.844634	6.886651	6.81424	6.818697	6.787537	6.850669
PZP	PZP	6.960232	7.114894	6.881113	6.990685	6.940985	6.967	6.905879	6.829708	6.846783	6.865427	6.758181	6.942211
QARS	QARS	13.05835	13.17116	12.77489	12.90523	12.86588	13.04349	12.64094	12.52796	12.59935	12.37464	11.95934	11.97702
QDPR	QDPR	9.857895	10.89818	9.628101	10.42492	10.64604	11.16241	10.55639	10.64204	10.57936	10.4448	10.36451	10.01322
QIL1	QIL1	9.180392	9.688696	9.638479	10.15837	10.86004	12.34415	12.10428	12.02623	12.23128	12.42174	12.42117	11.95092
QKI	QKI	7.773795	7.982962	7.535262	7.988994	7.963619	9.005492	8.28667	8.428591	8.164723	8.31759	8.014387	8.129965
QP-C	QP-C	12.51739	13.16578	12.65741	12.6695	13.18257	14.26801	14.28768	14.22162	14.35954	14.55411	14.33061	13.83616

QPCT	QPCT	7.822884	8.394786	8.226766	7.760511	7.441045	7.453415	7.384179	7.431516	7.445249	7.423952	7.385651	7.256217
QPCTL	QPCTL	7.617297	7.597053	7.360618	7.427216	7.366594	7.171725	7.116081	7.221547	7.082356	7.090641	6.987853	6.983964
QPRT	QPRT	11.354	11.82302	11.20177	12.12909	12.06355	12.01854	11.51188	11.34519	11.4068	11.01628	10.12051	10.58583
QRICH1	QRICH1	9.794919	10.10902	9.716084	9.77258	9.637844	9.987229	9.358559	9.31627	9.186613	9.160721	8.946484	8.954201
QRICH2	QRICH2	6.953495	7.150574	6.92075	7.156793	7.01439	7.010184	6.941279	6.946061	6.989307	7.028417	6.798841	6.848231
QRSL1	QRSL1	7.014442	7.252642	7.025397	7.178939	7.147869	7.357083	7.058227	7.258454	7.162691	7.156384	6.969154	7.058719
QSCN6	QSCN6	8.197766	8.450583	7.953314	8.011145	7.688289	7.618395	8.036802	7.971289	8.32017	8.458446	9.142449	8.827466
QSCN6L1	QSCN6L1	9.230581	9.042746	8.603513	8.999074	8.794557	8.27237	8.016293	7.899971	8.156028	7.913045	7.956967	7.951136
QSER1	QSER1	7.15906	7.410968	6.990218	7.225404	7.143517	7.299764	7.081788	7.172979	7.098303	7.097535	6.960469	7.06027
QTRT1	QTRT1	7.795478	8.163374	7.422847	7.586794	7.693676	7.577412	7.574931	7.413038	7.596166	7.521833	7.179666	7.369837
QTRTD1	QTRTD1	8.429962	8.855891	7.933698	7.946478	7.725973	7.589989	7.303995	7.350012	7.417979	7.30004	7.194071	7.310301
R3HCC1	R3HCC1	9.595726	9.805565	9.573213	9.851774	10.16629	10.81019	10.5656	10.27836	10.52302	10.4631	9.704827	10.22079
R3HDM1	R3HDM1	8.106117	8.476203	7.800331	8.148693	7.979553	7.977887	7.968567	7.731323	7.940601	7.797561	7.529512	7.706874
R3HDM2	R3HDM2	7.128468	7.325931	7.1771	7.471129	7.393117	7.460776	7.471448	7.370702	7.402619	7.620543	7.239118	7.444942
R3HDML	R3HDML	6.797752	6.996982	6.808179	6.999353	6.884385	6.992114	6.803788	6.913544	6.964924	6.935435	6.777989	6.683938
R7BP	R7BP	7.230498	7.463902	6.986766	7.123774	7.017741	7.007116	7.033396	7.121577	7.078577	7.056138	6.901342	6.894919
RAB10	RAB10	12.02588	12.19216	11.80803	12.23607	11.97789	12.72107	12.12299	11.94901	12.07845	11.80927	11.61909	11.63346
RAB11A	RAB11A	11.84521	12.01976	11.81264	11.78072	11.87141	12.51189	11.97888	12.21461	12.00214	11.87203	11.72806	11.51626
RAB11B	RAB11B	7.226049	7.541404	7.254041	7.487396	7.408673	7.648209	7.422325	7.62415	7.492561	7.617905	7.635911	7.518648
RAB11FIP1	RAB11FIP1	9.671478	9.33644	8.722667	9.616503	9.75726	9.529273	8.922757	9.101098	8.861576	8.679154	8.431097	8.165574
RAB11FIP2	RAB11FIP2	8.735645	8.802046	8.98181	9.103357	9.365896	9.283048	8.927268	9.038334	9.042367	8.773866	8.606629	8.666113
RAB11FIP3	RAB11FIP3	10.17952	10.56552	10.16791	11.60165	11.1844	11.4129	10.88413	10.63248	10.67339	10.60574	9.599568	9.918524
RAB11FIP4	RAB11FIP4	7.421816	7.458781	7.082033	7.197115	7.312885	6.95674	6.964693	6.963176	6.932419	6.897059	6.689359	6.706695
RAB11FIP5	RAB11FIP5	8.168337	7.930381	7.587967	8.282907	9.096823	8.462212	8.667853	8.916014	9.013181	9.219022	9.27451	9.495147
RAB12	RAB12	8.37797	8.270561	8.011783	7.944383	7.651577	8.104012	7.761567	7.925891	7.75499	7.750841	7.462904	7.662712
RAB13	RAB13	8.004356	9.421717	7.88466	7.77004	7.907678	8.20862	8.050099	7.848124	7.824125	7.87333	7.764823	8.33251
RAB14	RAB14	6.936432	7.25054	6.897383	7.248302	7.084508	7.183154	7.077487	7.042782	7.031356	7.116494	6.961059	7.039701
RAB15	RAB15	8.351869	8.992229	8.417659	8.04548	7.507633	8.144031	7.986321	8.30093	8.507349	9.086152	9.136239	8.287381
RAB17	RAB17	11.82187	9.267008	9.896223	9.565055	8.220147	8.159745	7.722775	7.832687	7.71416	7.642655	7.179533	7.258216
RAB18	RAB18	7.780217	8.362211	8.352202	8.338053	8.343858	8.665053	8.217023	8.177553	8.374658	8.232293	8.165633	8.118619
RAB19B	RAB19B	6.742924	7.000277	6.693696	6.968192	6.848983	6.855512	6.851579	6.916325	6.961905	6.885599	6.680993	6.889343
RAB1A	RAB1A	9.505909	9.703362	9.356819	9.574563	9.486975	9.798854	9.355262	9.338703	9.27576	9.27927	8.806607	9.16478
RAB1B	RAB1B	7.671642	8.085095	7.952051	7.750687	7.849501	8.126743	7.795304	8.005815	7.854857	7.85156	8.128598	7.793958
RAB1C	RAB1C	6.885956	7.033287	6.661981	6.894295	6.793576	6.931234	6.908117	6.968097	6.959706	6.968881	6.74176	6.865548
RAB2	RAB2	8.384726	8.741063	8.346117	8.557389	8.605204	9.439789	9.048336	8.933011	9.03849	9.104814	9.171705	9.130277
RAB20	RAB20	7.347237	7.52027	7.159587	7.175579	7.35516	7.263659	7.088289	7.152625	7.004408	7.098081	7.000674	7.266911

RAB21	RAB21	8.691021	9.219929	8.520265	9.135885	9.173946	10.37702	9.956341	10.20722	10.05816	10.28034	10.01764	10.18229
RAB22A	RAB22A	8.819719	9.021537	8.877838	9.305057	9.848331	9.423225	9.093371	9.085187	9.531315	8.864874	9.063433	9.294235
RAB23	RAB23	9.34996	9.605003	9.375813	10.41489	10.32478	9.655143	9.272069	9.500406	9.58323	9.014014	9.54025	9.233288
RAB24	RAB24	8.062363	8.232764	7.814592	8.244301	8.487246	8.709098	8.328111	8.406462	8.462193	8.449179	8.382208	8.584239
RAB25	RAB25	9.524055	9.741612	9.404807	8.822846	8.278499	7.283316	7.072079	7.116472	7.523196	7.237336	6.888401	6.988899
RAB26	RAB26	7.510555	7.481302	8.111953	7.415939	7.311225	7.457438	7.188012	7.213617	7.159265	7.209873	6.915507	7.147456
RAB27A	RAB27A	6.998003	7.093456	6.964344	7.274173	7.298771	7.870114	7.423472	7.56866	7.339204	7.550909	7.56261	7.469508
RAB27B	RAB27B	6.907071	7.174518	6.859386	7.069989	6.990766	7.071636	6.908988	6.935346	6.991505	7.010677	6.846015	6.884792
RAB28	RAB28	8.499581	8.731066	8.338355	8.510206	8.426015	9.063298	8.563781	8.795848	8.680398	8.652476	8.487008	8.377586
RAB2B	RAB2B	11.25964	11.2737	11.14627	11.54202	11.49751	11.7886	11.22065	11.15192	11.33863	10.85818	10.69204	10.54419
RAB30	RAB30	7.159416	7.800329	7.290336	7.4762	7.294901	7.426205	7.16885	7.272176	7.311725	7.375222	7.257623	7.239555
RAB31	RAB31	11.32508	11.42187	12.22719	12.62745	12.138	12.22028	11.35418	11.50211	10.96018	10.78067	11.03999	10.66832
RAB32	RAB32	8.069682	8.746158	8.672339	8.686727	9.36605	9.718486	9.168541	9.326904	9.504049	9.29346	10.36503	9.656084
RAB33A	RAB33A	7.534816	7.158048	6.825294	7.225533	8.026323	8.063625	8.105402	7.999267	8.412937	7.845758	7.478604	8.036233
RAB33B	RAB33B	8.221853	8.470401	7.757421	8.266361	8.248679	8.231812	8.529797	8.074492	8.447963	8.225938	7.94895	8.208509
RAB34	RAB34	10.59885	11.16954	9.955208	10.52259	10.36033	9.947957	9.551871	9.605673	9.717035	9.615573	9.960209	9.521256
RAB35	RAB35	8.79652	9.516477	8.812087	8.971336	9.055731	9.467677	9.069495	8.80173	9.116067	8.979995	8.904802	9.415855
RAB36	RAB36	6.828203	7.190039	6.837017	7.013181	7.116606	6.942345	6.952745	6.941003	7.06179	6.884295	6.870428	6.842323
RAB37	RAB37	7.072785	7.187689	6.986133	7.517959	7.715289	6.992431	6.883037	6.98108	6.920954	6.986657	6.806613	6.859385
RAB38	RAB38	9.198819	9.417769	9.030883	8.920072	10.20043	8.203332	7.585161	7.497001	7.697069	7.267188	7.052229	7.190082
RAB39	RAB39	6.93378	7.139536	6.741072	6.985529	6.912092	7.114417	6.930498	6.96141	6.911489	6.923495	6.721852	6.925846
RAB39B	RAB39B	6.873625	7.10659	6.874209	6.895477	6.874914	6.819503	6.889179	6.871073	6.882128	6.840223	6.763505	6.91858
RAB3A	RAB3A	6.907503	7.196641	6.863353	7.042908	6.937675	7.043608	7.01284	6.989956	7.087098	7.041401	6.89943	6.911018
RAB3B	RAB3B	8.925348	9.528798	8.805654	8.101823	7.409884	7.178598	6.948356	7.014086	6.981865	7.116926	7.472952	7.524655
RAB3C	RAB3C	8.6284	8.253606	7.455717	7.9974	7.866779	7.491	7.406078	7.243369	7.567469	6.834257	6.835211	6.845373
RAB3D	RAB3D	6.900372	7.170171	6.804203	7.104317	6.888972	6.972525	6.931456	6.930168	6.869577	6.904548	6.838303	6.890847
RAB3GAP	RAB3GAP	10.41315	10.85605	10.39359	10.74565	11.04377	11.79325	11.20543	11.56226	11.55098	11.59926	11.37513	11.74203
RAB3IL1	RAB3IL1	8.522456	8.562591	8.463552	8.383315	8.974994	9.151808	8.580093	8.602222	8.847437	8.125317	8.033804	8.322596
RAB3IP	RAB3IP	10.38418	10.3853	9.517219	9.977138	9.883843	11.31202	10.42282	10.55415	10.22435	10.22582	9.77362	9.656543
RAB40A	RAB40A	6.899197	7.003326	6.696525	7.004701	6.980264	6.987316	6.877554	6.975644	6.814854	6.821769	6.726636	6.755429
RAB40B	RAB40B	8.545051	8.567349	8.676933	9.359978	9.964983	10.82899	10.71906	10.55522	10.76522	10.63147	9.832416	10.30262
RAB40C	RAB40C	10.82327	10.77779	10.44788	11.27026	11.3472	11.03442	10.90145	10.70837	10.95078	10.50842	10.159	10.52666
RAB41	RAB41	6.945747	7.111014	6.792835	7.033028	6.922062	7.031141	6.977491	6.965929	6.825463	6.931779	6.830218	6.847432
RAB42	RAB42	7.114601	7.190027	6.972016	6.994167	6.978827	7.111095	7.049779	7.014786	6.875305	6.902432	6.776838	6.850355
RAB43	RAB43	7.646051	7.895854	7.65554	7.777119	7.776262	7.723217	7.447324	7.370254	7.431521	7.359545	7.372358	7.2769
RAB4A	RAB4A	8.362988	8.324159	8.263905	8.595282	8.834073	9.346909	8.921456	9.400898	9.119117	9.269733	9.257079	8.645517

RAB4B	RAB4B	7.615073	7.62207	7.493333	7.693033	7.590241	7.688712	7.58387	7.739423	7.718547	7.778463	7.854747	7.614707
RAB5A	RAB5A	9.407761	10.16537	9.21684	9.456745	9.40353	10.35903	9.58018	9.681862	9.414333	9.577959	9.952109	10.03989
RAB5B	RAB5B	10.31064	10.50172	10.49536	11.29633	11.182	11.66717	11.29453	11.75369	11.35187	11.66819	11.73914	11.12861
RAB5C	RAB5C	8.445843	8.733907	8.32347	8.816549	8.690405	8.826884	8.409863	8.56149	8.520789	8.49588	9.08433	8.335351
RAB6A	RAB6A	7.826629	8.258077	7.771582	8.265415	7.843383	7.968739	7.957413	8.073475	8.17009	8.327589	8.63913	8.731026
RAB6B	RAB6B	8.322864	8.400363	7.595251	7.9766	8.132533	8.962243	8.694028	8.748963	9.220293	8.856288	8.898312	8.815669
RAB6C	RAB6C	6.894394	6.913539	6.792494	7.024405	6.813992	6.904957	6.75059	6.88024	6.904814	6.875796	6.680474	6.926156
RAB6IP1	RAB6IP1	10.18357	10.66164	10.20594	10.84366	10.97067	12.19751	11.8973	12.39689	11.69997	12.16104	11.90048	11.21268
RAB6IP2	RAB6IP2	6.980552	7.134219	6.866471	7.134202	7.004383	7.104929	7.006308	7.098749	7.0052	7.025358	6.897085	7.027893
RAB7	RAB7	11.47244	11.69009	11.10777	11.692	11.86408	12.7274	12.21639	12.36843	12.33579	12.45283	12.36767	12.27766
RAB7B	RAB7B	6.827769	7.268741	6.808602	7.064532	7.435787	7.397771	7.981172	8.029217	7.699074	7.398568	7.4492	6.963105
RAB7L1	RAB7L1	7.933943	7.929686	7.120126	7.407994	7.394264	7.742439	7.307285	7.544351	7.485568	7.736557	7.834774	7.836347
RAB8A	RAB8A	10.87311	10.87347	10.43726	10.79629	10.83874	11.57394	10.66661	10.52808	10.33076	10.18655	10.33143	9.856871
RAB8B	RAB8B	10.47598	10.68897	9.74309	9.82468	10.07984	8.961809	8.260848	8.050038	8.826483	7.891259	8.204257	8.558022
RAB9A	RAB9A	10.43121	10.72042	10.13721	10.21662	9.85436	10.45525	10.11163	10.21329	10.35896	10.54589	10.61444	10.28773
RAB9B	RAB9B	7.195966	7.266391	7.037022	7.710127	7.823758	9.660829	10.23973	10.83745	10.84221	11.03346	10.20246	9.882433
RAB9P1	RAB9P1	6.939065	7.091341	6.694344	6.979323	6.875221	6.911261	6.95235	6.903231	6.863092	6.857337	6.856804	6.834776
RABAC1	RABAC1	10.03052	10.46998	9.390892	9.931784	10.32327	10.66512	10.42472	10.61211	10.5499	10.75118	11.3649	10.33572
RABEP1	RABEP1	9.393025	9.692834	9.192462	10.14432	10.1317	10.81224	10.14199	10.24462	10.10028	10.04871	9.899429	10.0981
RABEP2	RABEP2	6.914192	7.12053	6.865367	7.070707	6.961757	7.087424	6.985988	7.094566	6.983843	6.964497	6.840672	7.049748
RABEPK	RABEPK	10.57451	11.03653	10.07286	10.4591	10.4123	10.36977	9.884276	9.574008	10.03667	9.785863	9.761383	9.486358
RABGAP1	RABGAP1	9.837739	10.19243	9.779362	10.59418	10.6699	10.91154	10.37023	10.76496	10.40314	10.44268	10.34356	10.33084
RABGAP1L	RABGAP1L	7.833534	8.587508	7.101808	7.257781	7.190332	8.161125	7.777189	7.784222	7.980003	8.26779	7.945839	7.919456
RABGEF1	RABGEF1	7.541253	7.69636	7.529287	7.937696	7.757126	8.04153	7.7795	7.859562	7.871948	7.825217	7.934324	8.053704
RABGGTA	RABGGTA	7.069888	7.256341	7.013862	7.287884	7.160169	7.239179	7.09993	7.287931	7.114974	7.165051	7.154264	7.090686
RABGGTB	RABGGTB	10.98636	11.13859	10.45832	10.60543	10.58768	11.02409	10.53488	10.75808	11.04016	10.89917	10.95945	10.72072
RABIF	RABIF	7.087196	7.337496	7.043216	7.277683	7.094034	7.329356	7.286069	7.327069	7.13099	7.213194	7.028867	7.218528
RABL2A	RABL2A	7.305982	7.592311	7.374251	7.689358	7.724977	7.606611	7.431997	7.37504	7.556828	7.324608	7.305354	7.193282
RABL2B	RABL2B	8.219297	8.449463	8.357687	8.821272	8.713878	8.780709	8.383014	8.175996	8.439185	8.070023	7.917715	7.641767
RABL3	RABL3	8.340139	9.134455	8.693225	8.154162	8.20569	8.800932	8.077701	8.326374	8.338486	8.311827	8.616485	8.274949
RABL4	RABL4	8.998548	9.289769	8.581347	8.872554	8.832888	9.372975	9.039198	9.086078	9.073269	9.296955	8.913191	8.837185
RABL5	RABL5	7.027346	7.341651	7.321647	7.3991	7.3359	7.666003	7.222881	7.237863	7.20962	7.257686	6.98334	7.274684
RAC1	RAC1	11.02219	11.09281	10.77834	11.05361	10.83436	10.97735	10.57649	10.90294	10.64443	10.8225	11.06518	10.72719
RAC2	RAC2	7.343015	7.425157	7.223354	7.471566	8.095136	7.343199	7.039577	7.272786	7.39117	7.27962	7.635764	7.425673
RAC3	RAC3	9.255513	9.028542	8.069228	8.237317	8.050013	7.671777	7.617833	7.573422	7.709973	7.619065	7.66691	7.656646
RACGAP1	RACGAP1	8.597944	8.908527	8.831578	8.95211	8.677047	9.102855	8.524805	8.44448	8.392369	8.320941	7.816404	7.402349

RAD1	RAD1	7.595891	7.687112	7.323763	7.462787	7.446123	7.698407	7.505936	7.489288	7.542828	7.557828	7.118211	7.162129
RAD17	RAD17	7.518188	7.685086	7.588205	7.946318	7.656584	7.950936	7.648714	7.744078	7.547794	7.580143	7.377021	7.444421
RAD18	RAD18	6.970626	7.384608	6.962921	7.18386	7.061044	7.057046	6.969086	7.039818	7.020105	7.013777	6.948031	6.976913
RAD21	RAD21	10.38581	10.67667	10.41484	10.61125	10.41721	10.0997	9.765787	9.407707	9.750356	9.540104	8.959377	9.539494
RAD23A	RAD23A	9.106773	9.374537	8.615681	9.262104	9.313889	10.09335	9.859632	10.1399	9.933712	10.43693	10.49275	10.11249
RAD23B	RAD23B	9.118464	9.601644	9.35044	9.664952	9.4593	9.859111	8.892753	9.130911	8.914918	8.777874	9.15126	8.714489
RAD50	RAD50	7.414243	7.922314	7.483109	7.632914	7.559113	7.908835	7.417698	7.58222	7.447132	7.443352	7.260293	7.483644
RAD51	RAD51	8.230027	8.732149	8.160872	8.326023	8.158855	8.003931	7.943996	7.791365	7.903364	7.771306	7.480426	7.711336
RAD51AP1	RAD51AP1	10.38231	10.71047	10.54865	10.10449	9.571718	9.738423	9.112866	9.232033	9.065855	8.894399	8.418272	7.428083
RAD51C	RAD51C	8.364557	8.768699	8.053166	8.192029	8.291734	9.049141	8.446883	8.672787	8.656217	8.665378	8.52701	8.045299
RAD51L1	RAD51L1	7.008351	7.240671	6.982153	7.157397	7.019271	7.013819	6.939856	7.084003	7.034458	7.025405	6.865802	6.902733
RAD51L3	RAD51L3	7.305737	7.782129	7.321372	7.466575	7.358098	7.625697	7.334589	7.385311	7.288024	7.377751	7.242909	7.098665
RAD52	RAD52	7.010888	7.187509	6.888835	7.133709	6.989398	7.023528	6.926801	7.012516	6.973763	7.027024	6.854151	6.890285
RAD52B	RAD52B	6.860616	7.227383	6.812802	7.069197	7.01167	7.057947	6.94205	6.867785	7.015965	6.861938	6.992272	6.821299
RAD54B	RAD54B	8.087653	8.142152	7.696362	8.073216	7.726878	7.565269	7.306971	7.524405	7.432059	7.380091	7.088009	7.140303
RAD54L	RAD54L	8.902021	9.151663	8.497275	8.677432	7.890495	7.493458	7.531085	7.358202	7.42228	7.482326	7.0662	7.147127
RAD9A	RAD9A	7.905539	7.877936	7.564807	7.862254	7.694861	7.782012	7.415994	7.386883	7.564309	7.505792	7.252174	7.242212
RAD9B	RAD9B	6.861278	7.003486	6.728609	7.120894	7.101597	7.070116	6.866186	7.05224	6.904793	6.926613	6.685444	6.764232
RAE1	RAE1	9.111308	9.481303	9.161665	9.299841	8.958897	9.679199	8.810772	8.977298	8.766	8.835807	8.956157	8.648765
RAET1E	RAET1E	6.963608	7.05626	6.87028	6.989868	6.986156	7.068298	6.928281	6.990559	6.91503	7.029919	6.757411	6.862866
RAET1G	RAET1G	6.744964	7.025509	6.703668	6.930809	6.946596	6.859718	6.892353	7.097942	6.909652	6.967005	6.868089	6.83312
RAET1L	RAET1L	6.940382	7.075527	6.846274	7.093341	6.995266	6.95467	6.995172	7.118424	6.984504	7.038188	7.015541	6.94831
RAF1	RAF1	9.477417	9.686001	9.442404	9.839294	9.528312	9.984439	9.433141	9.598045	9.282106	9.637697	9.489901	9.605828
RAFTLIN	RAFTLIN	8.822428	8.805265	7.810356	10.79134	10.67271	11.50761	10.95311	10.66637	10.48679	10.32435	10.74914	10.52485
RAG1	RAG1	6.855904	7.057788	6.699264	7.058598	6.850872	6.989821	6.84648	6.92642	6.969842	6.933614	6.771171	6.845853
RAG1AP1	RAG1AP1	8.74578	8.699327	7.999521	8.327447	8.324696	8.705599	8.194043	8.129076	8.151241	8.173358	8.421187	8.138231
RAG2	RAG2	6.766696	7.054133	6.717779	6.956969	6.996282	6.864678	6.833694	6.979519	6.909113	6.994092	6.727226	6.754392
RAGE	RAGE	7.425517	7.690786	10.29909	10.3808	9.941855	10.23773	9.823197	9.344438	9.620513	9.160915	8.579004	8.531124
RAI1	RAI1	6.977489	7.066601	7.822641	8.82824	8.916351	8.291366	8.185218	8.288861	8.385797	8.237493	8.282505	8.041958
RAI14	RAI14	10.8378	10.91124	10.23425	10.71691	10.69864	10.98581	10.6023	11.40411	10.65032	11.02146	11.84967	10.7932
RAI16	RAI16	7.119393	7.417022	7.493618	7.78597	7.793549	7.917636	7.783147	7.746338	7.826973	7.854966	7.606784	7.946727
RAI17	RAI17	9.87297	10.7407	10.6706	11.90911	11.9038	11.2292	10.96283	11.21652	11.10843	10.83308	11.01506	10.74125
RAI2	RAI2	6.922843	7.575085	7.205473	7.423627	7.200187	7.357082	7.313906	7.391043	7.540434	7.624885	7.887851	7.824798
RALA	RALA	12.23328	12.5975	11.87734	12.15727	11.7278	12.24729	11.41012	11.51601	11.48727	11.16039	11.40795	11.35141
RALB	RALB	9.410514	10.12892	10.57524	10.51896	10.75299	10.81678	10.30956	10.7041	10.60121	10.73973	11.03098	10.53899
RALBP1	RALBP1	9.554868	9.790821	9.20343	9.152339	8.886991	8.850506	8.711225	8.43588	8.674118	8.662743	8.48793	8.843903

RALGDS	RALGDS	8.691752	8.896316	8.734066	9.689601	10.23672	9.813667	9.70257	9.487094	9.758311	9.416778	9.393495	9.650947
RALGPS1	RALGPS1	9.458135	8.763474	8.113776	8.194855	8.468571	9.620431	9.150301	9.007011	9.195323	8.912	8.168782	8.53257
RALGPS2	RALGPS2	7.00605	7.465959	7.108334	7.246987	7.21148	7.193561	6.973314	6.940958	6.972157	6.905997	6.769727	6.895843
RALY	RALY	10.14548	10.28778	10.14931	10.73035	10.1442	10.76258	10.12782	10.56552	10.03248	10.3038	10.52182	9.759872
RAMP1	RAMP1	6.949385	7.059569	6.78099	7.328048	7.742287	7.611943	7.685821	8.063708	8.041865	8.734059	9.115341	9.470942
RAMP2	RAMP2	7.481086	7.734549	7.21225	7.584465	7.795219	7.561355	7.296798	7.360478	7.31582	7.115344	7.041348	6.985555
RAMP3	RAMP3	7.070107	7.14671	6.843032	7.096681	7.065451	6.990663	6.92862	6.961157	6.955586	6.959765	6.796703	6.837209
RAN	RAN	10.67841	10.9407	10.62655	10.30147	10.21646	10.92112	10.00347	10.26721	10.10161	9.924428	9.873397	9.622885
RANBP1	RANBP1	12.52613	13.00645	12.36763	12.14731	11.68176	11.00078	10.76004	10.5035	10.77184	10.67363	10.42938	9.573133
RANBP10	RANBP10	8.157506	8.478756	7.987883	8.866403	8.595683	8.514784	8.181391	8.337124	8.269489	8.267236	8.144564	7.726058
RANBP17	RANBP17	6.870591	7.111943	6.857117	7.142315	7.10061	7.334648	6.961518	7.026562	7.064485	6.974762	6.873867	6.840219
RANBP2	RANBP2	7.545218	8.001689	7.673225	7.905562	7.706449	7.753682	7.581143	7.37126	7.225512	7.323864	7.118052	7.278744
RANBP2L1	RANBP2L1	6.894847	7.090775	7.249067	7.206732	6.99513	7.106376	7.241503	7.073659	7.029537	7.094577	6.948943	7.138493
RANBP3	RANBP3	8.333095	8.400866	8.01692	8.274979	8.162725	8.399119	8.105174	8.352903	8.118189	8.233701	8.151028	8.048135
RANBP3L	RANBP3L	6.827837	7.051704	6.751025	7.136686	6.936307	7.099002	6.89052	6.947286	6.990876	6.98438	6.766787	6.924214
RANBP5	RANBP5	9.22446	9.766777	9.188557	9.519916	9.142437	9.214834	8.551337	8.604505	8.566573	8.518738	8.676611	8.653916
RANBP6	RANBP6	7.671518	8.235581	7.838008	8.162821	8.096804	8.82691	8.39673	8.653575	8.651244	8.576718	8.527248	8.375783
RANBP9	RANBP9	7.233125	7.506686	7.33466	7.755624	7.43426	7.545195	7.589672	7.466357	7.406473	7.562977	7.272099	7.648262
RANGAP1	RANGAP1	11.20523	11.86725	10.63985	10.87421	10.40582	10.7774	10.36504	10.31365	10.21662	10.41864	10.40316	10.57308
RANGNRF	RANGNRF	7.119333	7.518122	7.182901	7.32608	7.365183	7.374819	7.595564	7.200279	7.485169	7.42782	7.034304	7.472079
RAP1A	RAP1A	6.964028	7.329068	7.08976	7.384309	7.321251	7.808555	7.469106	7.574619	7.525677	7.50567	7.291541	7.312596
RAP1B	RAP1B	7.850862	8.37564	8.092975	8.255105	8.051821	8.088426	7.811735	7.591508	7.93731	7.541424	7.622309	7.688194
RAP1GA1	RAP1GA1	9.4794	9.163193	8.806521	8.791214	9.556166	8.895512	8.162034	7.856545	8.292196	7.619889	7.186276	7.503059
RAP1GDS	RAP1GDS	8.203387	8.774135	8.487106	9.032096	8.925857	9.798864	8.990539	9.171834	9.103068	9.101735	9.154145	9.074369
RAP2A	RAP2A	10.16248	10.1304	10.61295	10.64309	10.2666	10.19873	10.08304	10.22956	10.18123	10.14655	9.914085	9.528441
RAP2B	RAP2B	7.116354	7.254231	6.940116	7.034161	7.033101	7.169583	6.92654	6.984123	6.911868	6.948104	6.84877	6.913664
RAP2C	RAP2C	8.858414	9.54645	9.283438	9.799587	10.14909	10.03545	9.380979	9.082728	9.238825	9.233936	8.976483	9.190968
RAP80	RAP80	11.09038	11.2997	10.69393	10.99341	10.98915	11.31679	10.94768	10.92263	10.98881	10.85542	10.32511	10.59832
RAPGEF1	RAPGEF1	8.767172	9.220384	8.230877	8.733465	8.43412	8.800433	8.682676	8.77125	8.773558	8.799662	8.25937	8.725223
RAPGEF3	RAPGEF3	6.98516	7.168456	7.081299	7.251884	7.121963	7.131194	7.108312	7.056701	7.050843	7.066605	6.909876	7.019294
RAPGEF4	RAPGEF4	7.163253	7.267804	7.104743	7.37564	7.245918	7.702811	7.516245	7.594159	7.735084	7.782587	7.954745	7.717613
RAPGEF6	RAPGEF6	8.13515	8.531392	8.128681	8.758574	8.579871	8.890073	8.21096	8.327968	8.290224	8.032726	7.977193	7.785531
RAPGEFL1	RAPGEFL1	8.275885	8.326552	8.127845	8.157178	7.96212	7.815659	7.499819	7.504278	7.69712	7.445889	7.193089	7.148826
RAPH1	RAPH1	7.326741	7.626749	7.415782	7.722762	7.572061	7.733623	7.471565	7.522151	7.475184	7.499248	7.544613	7.386479
RAPSN	RAPSN	7.145589	7.317391	7.146811	7.302059	7.232658	7.250203	7.072481	7.153991	7.442523	7.282834	7.167319	7.068127
RAPTOR	RAPTOR	6.84293	6.986729	6.885917	6.934084	7.011482	7.071433	6.845723	6.897233	6.900449	7.020176	6.924821	6.837879

RARA	RARA	7.647627	7.539265	7.490901	8.067312	8.212	8.762205	8.198167	8.617943	8.579347	8.849139	8.96935	8.861665
RARB	RARB	6.857428	7.097304	6.908213	7.643382	7.449987	8.125503	7.962389	8.182666	8.052432	7.93891	7.729511	7.384103
RARG	RARG	7.016607	7.073818	6.896966	7.141109	6.960523	7.133084	6.857808	7.051282	6.935135	6.970049	6.918549	6.827469
RARRES1	RARRES1	6.88671	7.039709	6.846708	7.034195	7.01952	7.068928	7.13028	7.414309	7.591064	7.239581	7.532359	7.413289
RARRES2	RARRES2	10.73457	11.30796	8.405936	7.487114	7.568751	6.974757	7.021026	7.150374	7.221136	7.084217	7.250997	7.322523
RARRES3	RARRES3	7.412442	7.870702	6.971333	7.212088	7.188904	7.004656	7.197202	7.207617	7.488037	7.566388	8.865522	9.173549
RARS	RARS	11.75222	12.21106	11.77052	12.01494	11.86697	12.16308	11.52612	11.57046	11.52178	11.41337	11.40645	11.32405
RARSL	RARSL	9.969621	10.09208	10.15473	10.56821	10.35781	10.62117	10.31734	10.48101	10.26353	10.26294	10.07077	9.89955
RASA1	RASA1	9.344498	9.736791	9.382171	9.62268	9.280328	9.23847	8.998627	9.057936	9.104978	8.741182	8.996152	9.040509
RASA2	RASA2	7.318647	7.540316	7.300942	7.39002	7.284982	7.253622	7.133463	7.116003	7.372559	7.144908	7.029533	7.089781
RASA3	RASA3	7.522873	7.792292	7.310465	7.786559	7.67779	7.434434	7.359558	7.413154	7.327598	7.481545	7.32192	7.292233
RASA4	RASA4	6.926143	7.12817	6.865096	7.078434	7.052042	7.026827	6.888991	6.984909	7.017589	7.002415	6.868955	6.88113
RASAL1	RASAL1	7.27052	7.450466	6.967509	7.177791	7.244779	7.026416	6.88527	7.016424	6.891019	7.095561	6.839948	6.970561
RASAL2	RASAL2	7.416469	7.870392	7.082822	7.297404	7.192944	7.575358	7.314248	7.416153	7.309437	7.379838	7.229704	7.237418
RASD1	RASD1	7.827736	8.133504	7.326832	8.206438	8.739404	9.81229	9.365808	9.440734	9.548038	9.793493	9.648495	10.09989
RASD2	RASD2	7.762277	7.664321	6.953597	7.175678	7.558191	7.397728	7.526946	7.813239	7.788238	8.119018	7.866157	8.336823
RASEF	RASEF	7.731032	7.770377	7.034841	7.215998	7.098074	6.98312	6.670113	6.961633	7.186134	6.822796	6.682648	6.894516
RASGEF1/	RASGEF1/	6.800019	7.121084	6.89905	6.927254	7.013101	6.924579	6.853702	6.843627	6.827181	6.805535	6.709564	6.815229
RASGEF1I	RASGEF1I	6.83862	6.997521	7.018468	7.048816	6.857916	7.049114	6.960743	6.921295	6.878228	7.023881	6.790801	7.003391
RASGEF1(	RASGEF1(	6.896013	7.194922	6.866095	7.100081	6.940783	6.956876	6.918338	6.974429	6.91072	6.939507	6.808997	6.93306
RASGRF1	RASGRF1	6.963435	6.989575	6.854128	7.151246	6.989104	7.02179	6.95548	6.918521	6.989908	7.024965	6.801821	6.891303
RASGRF2	RASGRF2	6.97327	7.196501	6.702352	7.104201	6.973438	6.853523	6.758149	6.932533	6.807113	6.947985	6.77833	6.772641
RASGRP1	RASGRP1	7.299084	7.421701	7.714383	7.575804	7.292738	7.470674	7.164787	7.232263	7.248782	7.228014	7.075226	7.063618
RASGRP2	RASGRP2	7.175829	7.336038	6.849681	7.04699	6.895506	7.002448	7.034686	7.137775	7.030028	7.129668	6.876732	6.855217
RASGRP3	RASGRP3	6.839462	6.990955	9.085867	8.740785	8.263517	8.032845	8.563724	8.732021	8.818503	9.041573	8.469374	9.361132
RASGRP4	RASGRP4	6.967789	7.13663	6.795989	7.064854	6.940142	6.995327	6.836393	6.938313	6.909612	6.936115	6.802499	6.803333
RASIP1	RASIP1	7.520083	7.683905	7.154768	7.526334	7.756366	7.232148	7.227357	7.272948	7.328849	7.191152	6.967278	6.970747
RASL10B	RASL10B	7.178921	7.33097	7.572005	7.737223	7.341402	8.207145	7.810918	7.808901	7.637673	7.734131	7.372854	7.349776
RASL11A	RASL11A	7.213713	7.328263	7.021262	7.268913	7.240059	7.417181	7.07414	7.182211	7.083102	7.203424	7.235361	7.128209
RASL11B	RASL11B	12.06793	10.76714	9.992	10.47863	10.72536	12.40427	11.65684	11.88464	11.78455	11.86264	11.62146	10.99889
RASL12	RASL12	8.812705	9.057205	9.965332	8.943707	7.731375	7.830568	8.589343	8.914297	8.883573	8.998405	7.966575	8.161986
RASSF1	RASSF1	7.474091	7.953452	7.353153	7.761825	7.845052	8.209915	7.846199	7.973313	7.901253	8.06516	8.071021	8.272819
RASSF2	RASSF2	8.032818	8.183645	7.456922	7.829163	7.615003	7.717604	7.28291	7.256516	7.714352	7.111675	6.990552	6.955722
RASSF3	RASSF3	7.03784	7.365082	7.005071	7.089586	7.082685	7.245107	7.088038	7.065869	7.056308	7.022719	6.894803	7.003958
RASSF4	RASSF4	7.211266	7.367647	6.978272	7.451261	7.693006	8.827009	8.521901	8.527698	8.30581	8.48926	7.727869	8.057815
RASSF5	RASSF5	6.984804	6.995269	6.888505	7.455258	7.648104	8.948942	8.728285	8.89338	8.652713	8.795636	8.460605	8.177325

RASSF6	RASSF6	7.152749	7.376259	7.069789	7.280708	7.195721	7.31669	7.167947	7.178683	7.094862	7.225498	7.088388	7.080697
RASSF7	RASSF7	9.897013	10.20375	9.535405	9.980531	9.797139	9.376388	9.118741	9.144135	9.419414	9.093435	9.159858	9.514887
RASSF8	RASSF8	6.987986	7.284481	7.019715	7.231259	7.089929	7.308544	7.0641	7.041138	7.094139	7.062785	6.934935	7.049569
RAVER1	RAVER1	9.149792	9.071256	8.589598	8.99516	8.676745	8.44369	8.208714	8.310924	8.212364	8.281491	8.370557	8.160511
RAVER2	RAVER2	8.915547	9.159693	8.922406	9.237284	9.244234	9.577224	9.65827	10.04783	9.511711	9.858334	9.555466	8.946806
RAX	RAX	6.897338	6.977665	6.690181	7.013241	6.887409	6.932666	6.795264	6.862787	6.76777	6.899888	6.686345	6.818454
RAXL1	RAXL1	8.775815	9.556122	9.178306	9.678739	9.619225	9.653483	9.757603	9.096731	9.492862	9.126584	8.358955	9.229618
RAXLX	RAXLX	6.960816	7.049895	6.880738	7.103085	6.916998	7.019975	6.93004	7.029276	6.907535	7.111573	6.754022	6.814624
RB1	RB1	7.452606	7.761753	7.318892	7.915458	7.985036	8.82004	8.145486	8.451341	8.203275	8.29945	8.433134	8.353218
RB1CC1	RB1CC1	9.964769	10.49717	10.06275	10.16814	9.776385	10.58155	10.07389	10.20896	10.27892	10.14348	10.0899	10.20434
RBAF600	RBAF600	10.34492	10.44284	9.562322	10.58938	10.37969	10.56756	9.786959	9.951233	9.540584	9.682403	9.763886	9.413531
RBAK	RBAK	7.14643	7.229404	7.163022	7.453637	7.183086	7.467679	7.189289	7.214408	7.088681	7.215801	7.022069	7.259357
RBBP4	RBBP4	7.803337	8.271041	8.018914	8.289979	7.899238	7.98548	7.896271	7.602492	7.70359	7.709706	7.482137	7.768234
RBBP5	RBBP5	8.420818	8.817211	8.089398	8.418041	8.007299	8.316826	7.98193	7.914232	7.921485	7.977553	7.700906	8.087737
RBBP6	RBBP6	7.451627	7.502552	7.420332	7.793791	7.750605	8.065234	7.718666	7.75697	7.67976	7.692827	7.44597	7.53569
RBBP7	RBBP7	10.17347	10.39481	9.576755	10.24418	10.20427	11.0098	10.93474	10.66229	10.83481	10.93879	10.52486	10.81321
RBBP8	RBBP8	8.921792	9.409288	8.87925	8.919406	8.476108	8.871753	8.541206	8.588688	8.344788	8.429866	8.051482	8.05302
RBBP9	RBBP9	8.480557	8.961142	8.556709	8.734534	9.062453	9.076534	8.702739	8.349928	8.454105	8.194217	7.819916	7.759987
RBCK1	RBCK1	8.16682	8.544829	7.827635	8.583539	8.5553	8.537956	8.406605	8.619878	8.505053	8.684474	8.627493	8.767164
RBED1	RBED1	7.155967	7.533605	7.279163	7.483377	7.45106	7.672011	7.631944	7.517045	7.502231	7.856007	7.679671	7.35736
RBJ	RBJ	7.997164	8.284936	8.10767	8.384395	8.567201	9.414444	9.218716	9.167051	9.26325	9.154177	8.651682	8.785025
RBKS	RBKS	7.452234	7.935886	7.686051	7.820394	7.781618	7.893116	7.760519	7.611939	7.607131	7.762468	7.529784	7.821825
RBL1	RBL1	7.092653	7.381074	7.053897	7.336919	7.098695	7.3033	7.107912	7.100486	7.112198	7.124293	6.918049	7.038801
RBL2	RBL2	8.402384	8.583879	8.525855	8.889429	9.014691	9.585021	9.164122	9.137095	9.131687	9.061823	8.833373	9.135017
RBM10	RBM10	10.73466	10.92569	10.1558	10.49803	10.38507	10.67063	10.31781	10.19237	10.36181	10.26689	9.99748	10.31743
RBM11	RBM11	7.438988	7.666358	7.261068	7.42795	7.360344	7.515952	7.117812	7.173523	7.309217	7.207585	7.065858	7.045441
RBM12	RBM12	10.24719	10.52666	10.29599	10.50689	9.988166	9.84989	9.346248	9.378587	9.145993	9.099215	8.829195	8.739819
RBM12B	RBM12B	9.028877	9.414654	8.933115	9.452928	9.068148	9.218352	8.965347	8.615995	8.821811	8.317164	7.484338	8.294209
RBM13	RBM13	10.04362	10.6923	9.783005	9.951778	9.316915	9.662607	9.235317	8.900826	9.306737	9.069413	8.995656	9.203437
RBM14	RBM14	11.65029	12.04797	11.10155	11.44671	10.97791	11.01383	10.49017	10.44706	10.51777	10.3033	10.05539	10.15907
RBM15	RBM15	10.41459	10.81597	10.52352	10.58637	9.944804	10.18802	9.505969	9.209586	9.245309	9.192135	8.68457	9.080762
RBM15B	RBM15B	8.293496	8.23883	7.856837	8.04537	7.657178	7.518254	7.266528	7.288541	7.421336	7.171354	7.230343	7.085518
RBM16	RBM16	8.610248	9.111535	8.682927	8.979273	8.566511	8.885411	8.338539	8.394715	8.284054	8.337852	8.408811	8.387904
RBM17	RBM17	10.46517	10.39148	10.3339	10.82683	10.40756	10.5744	10.08599	10.09241	9.978007	9.924926	9.550202	9.553844
RBM18	RBM18	8.606643	8.99993	8.476146	8.48908	8.496021	9.563397	9.052363	9.261652	9.305434	9.344374	9.521968	9.081148
RBM19	RBM19	7.016981	7.30788	6.954829	7.171086	6.970697	7.089806	6.974691	7.054685	6.972413	7.01124	6.836324	6.967958

RBM20	RBM20	6.900308	7.387169	8.012078	9.272492	9.71845	11.004	10.33019	10.61953	10.02327	10.69521	9.81616	10.14345
RBM21	RBM21	8.101804	8.510632	7.828634	8.103727	7.902355	7.630916	7.533798	7.420919	7.502862	7.473073	7.128413	7.323017
RBM22	RBM22	11.83882	12.1426	11.69561	12.00779	11.86038	12.24153	11.62838	11.59282	11.76893	11.39834	11.17812	11.56126
RBM23	RBM23	9.69299	10.21477	10.29965	10.75284	10.57767	11.15849	10.58986	10.67464	10.52902	10.59095	10.4785	10.37388
RBM24	RBM24	6.998306	7.318896	7.849397	9.068805	9.094802	10.62792	10.56576	10.49321	10.31533	10.61169	9.950177	10.52213
RBM25	RBM25	11.08699	11.64751	10.79718	11.41892	11.12155	10.99074	10.58563	10.38006	10.69776	10.31597	9.383822	9.915772
RBM28	RBM28	8.666996	8.971191	8.439706	8.531417	8.307115	8.67221	8.431088	8.571906	8.292164	8.26508	8.204917	8.04756
RBM3	RBM3	7.482278	7.894995	7.529731	7.632414	7.767014	7.65309	7.545789	7.447762	7.601697	7.443783	7.499183	7.438103
RBM33	RBM33	9.261513	9.590195	9.481592	9.692434	9.819086	9.643262	9.349097	9.133392	9.469478	8.971065	8.335497	8.444597
RBM34	RBM34	9.729273	10.3242	9.572495	9.470527	9.331539	10.00765	9.557752	9.155947	9.809368	9.534001	9.404807	9.684402
RBM35A	RBM35A	7.875818	8.237876	7.417175	7.267677	7.115679	7.267021	6.977872	7.066282	7.049676	7.072789	6.838958	6.94426
RBM35B	RBM35B	6.760856	7.038268	6.827222	7.089025	6.946861	7.008991	6.874869	6.90024	6.901103	7.079929	6.732778	6.782858
RBM38	RBM38	8.374488	8.825081	7.958612	8.480606	9.07704	10.97781	10.3637	10.33111	9.712059	10.08676	9.621093	9.490186
RBM39	RBM39	10.60635	11.24007	10.75923	10.91831	10.6356	10.96977	10.51347	10.32354	10.5806	10.19482	9.899907	9.617058
RBM4	RBM4	9.166849	9.722534	9.188165	9.411858	9.217887	9.865694	8.985169	9.167242	8.87298	8.893251	8.853974	8.476421
RBM41	RBM41	7.723536	7.982709	7.543856	7.702961	7.608154	7.903341	7.528079	7.587435	7.522519	7.438859	7.370083	7.451232
RBM4B	RBM4B	9.027816	9.276365	9.361477	9.816139	9.85714	9.654882	9.258492	9.344645	9.462478	9.037422	8.824972	8.652419
RBM5	RBM5	10.6441	11.21809	11.15429	11.64334	11.818	12.07181	11.80481	11.7206	11.52489	11.36401	10.92524	10.57626
RBM6	RBM6	9.690105	9.918106	9.683532	10.15611	9.763443	9.981797	9.811001	9.653574	9.722916	9.487289	8.903074	8.912793
RBM7	RBM7	8.969818	9.732789	9.043066	9.263965	9.158225	9.155511	8.904596	8.712163	8.903873	8.701894	8.495863	8.793315
RBM8A	RBM8A	6.926366	7.379395	6.980751	7.131977	7.142234	7.488258	6.948787	7.054499	7.081746	7.106987	6.930075	7.106882
RBM9	RBM9	9.778199	10.00951	9.699086	10.73174	10.72849	11.29789	10.66812	10.55448	10.54528	10.275	9.970859	9.784345
RBMS1	RBMS1	8.079305	8.823107	8.599328	8.896401	9.025647	9.424606	9.00655	9.085109	9.009241	8.839992	9.128595	8.959077
RBMS2	RBMS2	7.29197	7.711122	7.532256	7.998936	7.842368	8.123407	7.730545	7.741827	7.874643	7.832413	7.906952	7.73766
RBMS3	RBMS3	6.957104	7.132788	6.911634	7.611895	7.643158	7.653184	7.174573	7.348422	7.361341	7.23841	7.332468	7.268897
RBMX	RBMX	11.54318	11.92276	11.32016	11.45848	11.03321	10.86064	10.25818	10.31236	10.37689	10.45622	10.22819	9.868943
RBMX2	RBMX2	7.991932	8.424902	7.928019	8.085977	7.931008	8.416423	8.194377	7.969807	8.112129	8.158724	7.87174	7.890518
RBMXL1	RBMXL1	7.447108	7.631354	7.296612	7.572176	7.375095	7.542437	7.308453	7.251511	7.268112	7.217491	7.061932	7.348887
RBMY1A1	RBMY1A1	6.8378	7.007106	6.812312	7.051754	6.897887	7.004831	6.807445	6.927282	6.863144	6.878053	6.743406	6.802829
RBMY1A3I	RBMY1A3I	6.868848	6.9998	6.774435	6.980482	6.871705	6.941193	6.864971	6.880639	6.862144	6.865603	6.75105	6.790784
RBMY1B	RBMY1B	6.702808	7.066715	6.703374	6.992962	6.826955	6.804974	6.836568	6.784171	6.809766	6.823762	6.788833	6.829259
RBMY1D	RBMY1D	6.857695	6.982793	6.701949	6.974217	6.901545	6.903642	6.68773	6.884136	6.730293	6.83469	6.699867	6.755478
RBMY1E	RBMY1E	6.816197	7.052839	6.716794	7.009762	6.905805	6.842712	6.897496	6.948908	6.75975	6.939379	6.697072	6.798458
RBMY1F	RBMY1F	6.855044	6.95849	6.785825	6.929185	6.884699	6.982708	6.779491	6.897231	6.798997	6.816397	6.709995	6.767559
RBMY1J	RBMY1J	6.980779	7.163141	6.823969	7.081955	6.941491	6.998244	6.917225	6.96663	6.882556	6.972098	6.807868	6.907369
RBMY2EP	RBMY2EP	6.834118	6.998817	6.7275	6.963275	6.943861	6.886427	6.765017	6.974667	6.806915	6.912744	6.79032	6.771696

RBMY2FP	RBMY2FP	6.878138	7.023006	6.850139	6.987211	6.944998	7.019397	6.902399	6.923263	6.924072	6.921839	6.852877	6.821843
RBP1	RBP1	10.20714	10.27802	11.84883	11.53316	11.79476	11.76452	11.25802	11.12641	11.72291	10.55406	10.9773	9.588261
RBP2	RBP2	6.86738	7.074122	6.831669	7.038911	6.951128	7.079918	6.840036	7.011413	6.969719	6.913485	6.826656	6.764987
RBP3	RBP3	6.865777	7.06173	6.82767	7.034853	6.899485	6.929749	6.823908	6.869364	6.954783	6.894086	6.777654	6.842115
RBP4	RBP4	6.866202	7.089255	6.824852	7.103231	7.077322	7.110118	6.851046	6.890822	6.929268	6.976447	6.856073	6.833768
RBP5	RBP5	7.154196	7.445785	7.115213	7.264031	7.200842	7.361174	7.142857	7.244247	7.291966	7.418972	7.103577	7.067682
RBP7	RBP7	7.693753	7.732451	7.146984	7.120873	7.300319	7.50156	6.901801	7.006962	7.012177	7.090344	6.9232	6.8818
RBPJ	RBPJ	7.313597	7.488265	6.949804	7.169576	7.056739	7.069482	6.942614	7.087602	6.925475	6.93803	6.853537	7.062353
RBPMS	RBPMS	8.272374	8.548344	7.769632	8.161553	7.910465	8.689487	8.112543	8.174048	7.848188	8.131091	8.068574	7.885576
RBPMS2	RBPMS2	13.39531	13.48927	12.557	12.12699	12.39099	13.70814	13.51823	13.6067	13.35251	13.5051	13.00501	12.97652
RBPSUH	RBPSUH	9.038116	9.056823	8.029456	7.981808	7.893521	7.936756	7.643127	7.58807	7.673096	7.582376	7.526929	7.473323
RBPSUHL	RBPSUHL	6.991786	7.165091	6.894256	7.080262	7.016935	7.193522	7.109074	7.155184	7.023898	7.106942	7.094134	6.976707
RBX1	RBX1	11.78899	12.622	12.12115	12.21694	12.35396	12.71248	12.72267	12.42061	12.94468	12.81749	12.41529	12.18898
RC3H1	RC3H1	6.834156	6.957135	6.833421	6.956914	6.896462	7.166299	6.851469	6.965595	6.801041	7.034297	6.837906	6.784211
RC74	RC74	9.638087	9.944781	9.272403	9.63694	9.244239	9.141406	8.931802	8.910319	8.838449	8.970847	8.727541	8.72893
RCBTB1	RCBTB1	7.922258	7.849481	7.622857	8.093944	7.826106	7.799935	7.646187	7.646033	7.63574	7.640163	7.23702	7.535644
RCBTB2	RCBTB2	8.047559	8.705135	8.605839	8.63496	8.74558	8.62993	7.945303	7.788799	8.084938	7.53415	7.432938	7.511379
RCC1	RCC1	8.336092	9.038521	8.126085	8.012104	8.050403	7.70872	7.270132	7.285903	7.376359	7.200054	7.288051	7.25396
RCC2	RCC2	13.6277	13.86244	12.83306	12.36187	11.87392	11.45295	10.95341	10.87264	10.86239	10.37803	10.47148	10.03406
RCCD1	RCCD1	7.300722	7.442032	6.981598	7.240395	7.269903	7.485136	7.38788	7.297256	7.226459	7.136721	6.943396	7.026386
RCD-8	RCD-8	10.68741	10.95406	10.04607	10.79696	10.44883	11.16936	10.37173	10.37101	10.31198	10.30422	9.73544	10.07024
RCE1	RCE1	8.525699	8.780869	8.217342	8.394657	8.093543	7.910963	7.529578	7.779171	7.620984	7.679427	8.010154	7.504018
RCHY1	RCHY1	7.46522	7.694032	7.497415	7.634687	7.570499	7.941367	7.465514	7.557629	7.40442	7.566351	7.392569	7.393674
RCL1	RCL1	8.951992	9.448738	8.485129	8.565194	8.323363	8.710359	8.007829	8.042371	7.954578	7.90402	7.996116	7.713882
RCN1	RCN1	11.20366	11.77389	11.36301	11.96514	11.6664	11.12697	10.88519	11.01529	11.10584	10.78635	11.01079	10.6766
RCN2	RCN2	11.22922	11.7017	11.61502	11.69672	10.99127	10.57052	10.12206	10.26652	10.53754	10.17517	10.46481	10.26583
RCN3	RCN3	7.395741	7.440157	7.009734	7.190255	7.255339	7.112776	6.997672	7.058462	6.980128	6.967114	6.866855	7.008237
RCOR1	RCOR1	6.807334	7.076818	6.750148	6.992399	6.915221	6.999542	6.815558	6.892636	6.885801	6.926535	6.831308	6.818028
RCOR2	RCOR2	11.49944	11.30126	10.48734	10.85733	10.57383	9.610837	9.293463	8.976073	9.38246	8.618667	7.716702	8.523508
RCOR3	RCOR3	8.513026	9.135132	9.436276	9.770403	9.870892	10.29095	9.874114	9.892958	9.729099	9.749644	9.347897	9.687353
RCP9	RCP9	9.30777	10.29789	9.724729	10.13077	10.15867	9.94707	10.28486	9.507171	9.993819	9.718971	8.990085	9.798878
RCSD1	RCSD1	8.152944	8.337074	7.849645	8.291788	8.277843	9.280739	8.972435	8.79618	8.438646	8.812798	8.122077	8.550656
RCV1	RCV1	6.803412	7.045216	6.851158	7.116648	7.290253	7.02087	6.856944	6.919827	7.030026	7.022124	6.859494	6.885208
RDBP	RDBP	8.83807	9.141272	8.777174	8.996898	8.542382	9.15959	8.748057	8.529796	8.645797	8.702798	8.437763	8.79094
RDH10	RDH10	7.813279	8.147533	8.774584	9.266687	9.193228	10.85298	10.07518	9.918957	9.435901	9.232337	10.09594	9.501469
RDH11	RDH11	11.48176	11.4497	10.78222	10.75622	10.63541	10.89284	10.58762	10.64228	10.74156	10.61138	10.51262	10.15315

RDH12	RDH12	7.215984	7.469014	6.8788	7.045575	6.908519	6.985328	6.741161	6.906149	6.918221	6.966445	6.855594	6.825972
RDH13	RDH13	8.658779	8.482371	7.810793	8.037778	8.274216	8.900488	8.458962	8.636021	8.298232	8.552528	8.256506	8.080575
RDH14	RDH14	10.73204	10.8844	10.41461	10.49772	10.73627	12.03755	11.54405	11.79727	11.64287	11.60505	11.32821	11.11915
RDH16	RDH16	7.083673	7.066549	7.020123	7.154342	6.991399	6.9787	6.959235	6.944281	6.882468	7.097729	6.657563	6.970708
RDH5	RDH5	7.747035	7.952256	7.744096	7.959717	7.677494	7.932126	7.869111	7.743227	7.888927	7.876101	7.539409	7.877853
RDH8	RDH8	6.918921	7.19279	6.90073	7.223776	7.101793	7.198269	7.004153	7.02571	7.077606	6.9955	6.875759	7.003168
RDHE2	RDHE2	6.959018	7.083842	6.873892	7.042349	7.044447	7.294817	6.970142	7.068802	6.914249	7.003211	6.798013	6.867149
RDM1	RDM1	7.948982	7.789125	7.219809	7.375771	7.354892	7.572068	7.556783	7.452931	7.469435	7.342945	6.98925	7.002819
RDS	RDS	6.951587	7.146884	6.76639	7.110433	6.959249	7.138937	7.019918	7.031089	6.953297	7.053709	6.740321	6.959232
RDX	RDX	9.915024	10.28461	10.51318	10.89189	10.68007	11.51008	11.13849	11.17803	10.70942	10.781	10.66317	10.38145
REC8L1	REC8L1	7.924611	8.262007	7.877815	8.160521	8.235127	7.422958	7.498346	7.584177	7.481899	7.47744	7.170316	7.079107
RECK	RECK	7.6457	7.794162	7.508705	8.899163	8.868984	8.150231	8.126176	8.066859	8.302222	7.917676	8.263879	7.994776
RECQL	RECQL	8.199318	8.702503	8.265901	8.561668	8.181908	8.162938	7.848982	7.889275	7.817794	7.805928	7.992048	8.33505
RECQL4	RECQL4	7.970985	8.18605	7.736735	7.801577	7.349893	7.201808	7.124584	7.138782	7.128728	7.274891	6.870903	6.774577
RECQL5	RECQL5	7.274254	7.536961	7.122735	7.36565	7.311535	7.33756	7.259921	7.217812	7.149985	7.221907	7.044117	7.188329
REEP1	REEP1	7.198135	7.391837	7.170237	9.212853	9.848106	10.88109	10.49275	10.52362	10.49175	10.39012	9.878703	9.979803
REEP2	REEP2	7.770545	7.84383	7.058503	7.250083	7.338088	7.913657	8.200736	8.018421	7.992969	8.116242	8.185781	7.942462
REEP3	REEP3	7.005489	7.205348	7.037631	7.301586	7.299852	7.976046	7.685772	7.877358	7.71271	7.927088	7.69083	7.697414
REEP4	REEP4	7.649578	7.634989	7.609216	7.754142	7.617805	7.416053	7.294797	7.380085	7.393203	7.413358	7.439843	7.210325
REEP5	REEP5	10.9804	10.88875	10.65494	10.70804	11.13675	12.48464	12.02117	12.03992	12.03166	12.18901	11.74964	12.2294
REEP6	REEP6	8.546509	8.219645	7.900408	8.088247	8.748335	9.274349	8.604038	8.378246	7.990794	8.100395	7.727925	7.569578
REG1A	REG1A	6.892531	7.129168	6.871986	7.049203	6.969504	7.017602	6.972337	6.893195	6.880217	6.975495	6.807877	6.770912
REG1B	REG1B	6.80079	7.00614	6.707286	7.015658	7.009769	6.965791	6.778772	7.101388	6.908567	6.879282	6.772356	6.769553
REG3A	REG3A	6.980677	7.096313	6.813175	7.032362	6.897945	7.230728	7.087983	6.963092	6.895351	6.898032	6.842094	6.82451
REG3G	REG3G	6.899749	7.054475	6.797285	7.015518	6.888977	7.028757	7.105618	7.049333	6.928402	6.996615	6.793308	6.804158
REG4	REG4	7.101504	7.068214	6.78448	7.113785	6.953891	7.035398	6.924181	6.971614	7.016139	6.961473	6.830376	6.900881
REGL	REGL	6.979923	7.15206	6.866184	7.064029	6.890574	6.922196	6.795102	6.914895	6.951977	6.855593	6.832142	6.848253
REL	REL	6.976196	7.166813	6.984787	7.220263	7.129692	7.225232	7.05525	7.160273	7.065246	7.121121	6.886332	6.956149
RELA	RELA	7.258382	7.446091	7.114893	7.520025	7.482318	7.799543	7.600922	7.75538	7.55434	7.811976	8.019806	7.646332
RELB	RELB	7.458541	7.847345	7.398777	7.372388	7.061222	7.638002	7.195883	7.22092	7.189446	7.25129	7.34422	7.198175
RELN	RELN	7.023752	7.236738	7.976201	11.11825	11.43949	9.569115	8.884542	8.544541	8.106848	7.58251	7.005194	7.031058
REM1	REM1	6.865127	7.176369	6.814938	7.025866	6.978178	7.22512	7.027483	7.181943	7.244107	7.142235	6.9323	6.81656
REN	REN	6.92066	7.176752	6.849941	7.187045	7.727474	7.017107	6.971173	7.143608	7.0323	7.020606	6.837307	6.804096
RENBP	RENBP	8.288737	8.289156	7.590536	7.498083	7.316048	8.19679	7.842162	8.096837	8.165018	8.165585	8.078526	8.085909
RENT1	RENT1	8.390068	8.486668	7.914825	8.355052	8.043671	8.255718	7.995961	8.103525	8.034398	7.962557	7.983476	8.229465
REP15	REP15	6.944761	7.195545	7.213365	7.434633	7.173048	7.493762	7.164353	7.221223	7.218816	7.149321	7.016228	7.277886

REPIN1	REPIN1	9.873436	9.881511	9.055764	9.82913	9.906481	10.45963	9.858971	9.732377	9.694674	9.695932	9.164343	9.551198
REPS1	REPS1	7.225684	7.642904	7.118356	7.526934	7.399232	7.644542	7.331388	7.372066	7.30125	7.503569	7.218797	7.319036
REPS2	REPS2	7.057445	7.217495	6.954408	7.140603	7.037683	7.347468	7.167277	7.313063	7.192344	7.432743	7.133699	7.268435
RER1	RER1	7.362805	7.840836	7.479098	7.748392	7.493926	7.783899	7.485812	7.654174	7.551721	7.866697	7.808428	7.778594
RERE	RERE	9.122919	9.116687	8.643572	10.04473	9.463338	9.429375	8.89672	9.086133	8.933748	8.967815	8.906998	8.779307
RERG	RERG	6.934231	6.912815	6.791224	8.732815	9.066014	9.098586	8.455843	8.430232	8.074269	7.648522	7.324263	7.160798
RESP18	RESP18	6.869467	7.047439	6.800479	7.006036	6.906385	7.079445	6.823583	6.884721	6.85656	6.850083	6.670367	6.868783
REST	REST	7.095937	7.381328	7.082315	7.391386	7.241576	7.557484	7.259098	7.36368	7.191823	7.22296	7.227554	7.27389
RET	RET	7.267283	7.455248	7.122825	7.049566	6.982914	6.972869	6.89962	6.952789	6.89624	7.01842	6.863877	6.951928
RETN	RETN	6.814629	6.940105	6.704686	6.957999	6.833408	6.903662	6.759729	6.88077	6.949026	6.785419	6.751998	6.832429
RETNLB	RETNLB	6.885754	7.07059	6.871544	7.090096	7.198815	6.988996	6.853128	7.015412	6.87225	6.940968	6.831801	6.864266
RETSAT	RETSAT	7.391487	7.58772	7.367901	7.442247	7.559181	7.80472	7.500713	7.651529	7.526874	7.468911	7.643317	7.56133
REV1	REV1	9.694012	10.14057	9.685464	9.918538	9.819408	10.19225	10.00583	9.702601	10.01188	9.647446	8.835459	9.523856
REV1L	REV1L	9.901295	10.37853	9.8549	10.1411	10.00366	10.40927	10.06941	10.01807	10.0438	9.865447	9.262897	9.598835
REV3L	REV3L	7.027806	7.368368	7.360283	7.742282	7.70209	8.086611	7.838725	8.037721	7.596362	7.68202	7.510042	7.396684
REXO1	REXO1	8.865654	8.861965	8.468096	8.880794	8.52856	8.319437	8.028668	8.048989	8.111652	8.099944	7.832525	8.308775
REXO1L1	REXO1L1	6.778573	6.982696	6.883469	6.956783	6.788909	6.918262	6.903685	6.843803	6.7596	7.008376	6.724416	6.688293
REXO2	REXO2	12.00778	12.86042	11.74639	11.91295	11.71908	12.35725	12.11397	12.1604	12.27346	12.32047	12.58781	11.92862
REXO4	REXO4	9.601969	9.919825	9.020296	9.023057	8.936622	9.181852	8.982573	8.582212	8.917045	8.830907	8.592866	9.204666
RFC1	RFC1	9.673598	9.984095	9.45217	9.847222	9.383669	9.643658	8.948873	8.965197	9.03264	8.79841	8.470894	8.795592
RFC2	RFC2	8.716165	9.045443	8.270462	8.227587	8.012054	8.30339	8.086724	7.978337	7.870996	8.069958	7.561824	7.659152
RFC3	RFC3	8.872876	9.354125	8.87565	8.97691	8.324174	8.36519	7.823174	8.027188	7.889566	7.987667	7.563915	7.299726
RFC4	RFC4	11.55535	11.68419	11.12278	10.87527	10.41711	10.83667	10.25188	10.17978	10.22071	10.17873	9.543726	9.215789
RFC5	RFC5	9.564296	9.881564	9.484379	9.578199	9.114934	9.119393	8.657713	8.631265	8.601627	8.57901	7.994919	7.992525
RFESD	RFESD	7.99662	7.830795	7.630377	7.457669	7.356079	7.520445	7.15894	7.296186	7.241964	7.279196	7.316196	7.175658
RFFL	RFFL	7.450708	7.815926	7.289493	7.400579	7.410122	7.432097	7.200483	7.252075	7.27402	7.313516	7.221931	7.141866
RFK	RFK	7.090865	7.27277	7.125129	7.238133	7.283811	7.446524	7.341688	7.311663	7.426752	7.537501	7.304194	7.489924
RFNG	RFNG	8.050049	7.989738	7.660187	8.20639	8.203227	8.183381	8.009071	8.234947	8.091097	8.185977	8.417258	8.207068
RFP	RFP	8.399	8.58932	8.006797	8.329517	8.171246	8.509968	8.080826	7.937014	8.001156	7.920104	7.776031	7.82325
RFP2	RFP2	7.087964	7.285614	6.936205	7.003135	6.947683	6.983524	6.834863	6.985407	6.907827	6.984928	6.839996	6.985652
RFP2OS	RFP2OS	6.940212	7.071393	6.895543	7.166895	7.024956	7.007091	6.956259	7.046998	7.080949	7.037312	6.871679	6.997767
RFPL1	RFPL1	6.870505	7.039761	6.730727	7.091264	6.889057	7.102881	6.91929	6.985744	6.931172	6.990823	6.850496	6.853709
RFPL1S	RFPL1S	6.941938	6.939802	6.848799	7.031525	6.861833	7.048547	6.822745	6.891692	6.854629	6.982473	6.812201	6.862183
RFPL2	RFPL2	6.794854	7.074145	6.858109	6.919087	6.888814	6.89206	6.664096	6.868588	6.756132	6.878416	6.795007	6.831992
RFPL3	RFPL3	6.861491	7.140988	6.96091	7.134049	6.960252	7.042607	6.801007	7.047326	6.966895	6.902367	6.822009	6.898571
RFPL3S	RFPL3S	6.991086	7.157278	6.932544	7.153339	7.061308	7.311832	6.90217	6.932885	6.942346	6.941134	6.77824	6.892206

RFPL4B	RFPL4B	6.804762	6.992173	6.737354	6.957354	6.900984	7.009206	6.863516	6.964546	6.931628	6.934414	6.718079	6.809236
RFT1	RFT1	7.004556	7.157796	6.809792	7.192795	7.043085	7.216989	6.910639	7.053641	6.941366	7.01808	6.833392	6.900018
RFWD2	RFWD2	10.47052	11.05869	10.86747	10.75582	10.31569	10.68036	10.27743	10.21647	10.23534	10.24785	9.873148	9.787349
RFWD3	RFWD3	11.00091	11.51817	10.77955	10.58495	9.804142	9.581396	8.980131	8.776829	8.86161	8.686438	8.314956	8.085807
RFX1	RFX1	7.833814	8.104479	7.784117	8.09414	7.844126	7.849846	7.734658	7.983052	7.810367	7.946654	7.825295	7.426421
RFX2	RFX2	6.932382	7.080076	6.852558	7.073129	7.088673	6.919893	6.908125	6.986563	7.004386	7.036684	6.939657	6.965557
RFX3	RFX3	7.062771	7.389061	7.022475	7.251364	7.160057	7.118785	6.978558	7.018676	7.001772	6.973008	6.827344	6.968534
RFX4	RFX4	6.919401	7.093003	6.905604	7.074009	6.988917	7.027662	6.906272	6.950579	6.936745	6.977195	6.818062	6.940929
RFX5	RFX5	9.442816	9.533001	9.141415	9.299045	9.25879	9.555084	9.223809	9.291186	8.918882	9.099231	8.782525	8.187355
RFXANK	RFXANK	8.655361	9.253247	8.907283	9.27219	9.194523	9.329884	8.958845	8.978397	8.833481	8.956346	8.715795	8.514608
RFXAP	RFXAP	7.966812	7.997754	7.620258	8.054321	7.79667	8.222877	7.808188	7.924045	7.89748	7.742468	7.579741	7.589402
RFXDC1	RFXDC1	6.88941	7.134204	6.86707	7.010868	6.977213	6.942185	6.8809	6.994634	6.959178	6.992121	6.83816	6.919393
RFXDC2	RFXDC2	7.281496	7.461743	6.968158	7.352964	7.104014	7.263312	7.058846	7.237372	7.229324	7.150281	7.039713	6.995255
RG9MTD1	RG9MTD1	8.48155	8.800798	8.31912	8.315146	8.181929	8.519419	8.372596	8.072622	8.301103	8.194674	7.861918	8.005395
RG9MTD2	RG9MTD2	7.382767	7.818476	7.672905	8.218124	8.028813	7.91745	7.488202	7.481925	7.583873	7.36978	7.226631	7.434013
RG9MTD3	RG9MTD3	7.153187	7.366097	7.097078	7.308599	7.177475	7.40001	7.262947	7.294085	7.189362	7.28838	7.08612	7.242967
RGAG1	RGAG1	6.922864	7.041936	6.913009	7.274073	7.063767	7.12803	7.080521	7.163646	7.117639	7.224966	7.181056	6.977308
RGAG4	RGAG4	7.08323	7.335505	7.041959	7.383831	7.203259	7.466231	7.364052	7.250187	7.288973	7.266048	7.074835	7.230726
RGC32	RGC32	7.161257	7.402727	7.497456	8.311047	9.984869	9.329761	7.828765	7.747654	7.928449	7.895029	7.96802	8.017087
RGL1	RGL1	7.773189	8.513963	9.377362	11.10898	11.31454	11.32628	11.262	11.17738	11.02712	10.70664	9.986905	9.897763
RGL2	RGL2	7.818654	8.113168	7.724031	7.952332	8.009458	7.918136	7.974477	7.87231	7.870274	8.105583	7.694194	8.067558
RGL3	RGL3	7.178853	7.409343	7.011066	7.319173	7.050457	7.147141	7.071961	7.128632	7.136944	7.028615	6.974056	6.937187
RGMA	RGMA	9.923308	10.06177	8.995486	8.476971	8.138833	7.701593	7.364768	7.421815	8.224287	7.5279	7.420319	7.467179
RGMB	RGMB	7.354677	7.475412	7.25957	7.401517	7.158206	7.203444	7.248409	7.207583	7.379083	7.177172	7.232313	7.301827
RGN	RGN	6.91886	7.1134	6.874071	7.079685	6.992483	7.020567	6.914017	6.993957	6.940917	6.956892	6.798552	6.89843
RGNEF	RGNEF	6.749872	6.985756	6.788747	7.011178	6.915455	6.941457	6.858773	6.904148	6.904672	6.921338	6.832887	6.8904
RGPD1	RGPD1	6.972662	7.038304	6.740802	7.034976	6.873634	6.908972	6.818568	7.015339	6.854064	6.860532	6.808319	6.909358
RGPD2	RGPD2	7.079392	7.265353	7.108482	7.206856	7.158838	7.29826	7.215396	7.139534	7.233126	7.246718	7.020731	7.22944
RGPD4	RGPD4	6.799495	7.023774	6.697112	6.988425	6.879966	6.897334	6.835316	6.922906	6.880592	6.962413	6.748108	6.784684
RGPD5	RGPD5	6.891609	7.051963	6.798049	7.06521	6.961376	6.998308	6.86246	7.026121	6.987966	6.976397	6.780939	6.851475
RGPD7	RGPD7	6.956022	7.082867	6.890839	7.166164	7.001681	7.351537	6.99876	7.083715	6.990067	6.88238	6.849131	6.975956
RGR	RGR	6.948487	7.154475	6.941512	7.153267	6.981297	7.104144	7.002343	7.049651	6.974875	6.984092	6.875699	6.945466
RGS1	RGS1	6.754375	7.060425	6.719198	8.913066	7.747286	6.959696	6.937734	6.857587	6.93224	6.804154	6.814694	7.062708
RGS10	RGS10	7.775116	8.235507	7.323727	7.475246	7.686387	7.454193	7.422041	7.388949	7.540603	7.357253	7.880353	7.304817
RGS11	RGS11	7.129543	7.288972	6.946125	7.417364	7.682231	7.523725	7.812117	7.977318	8.119423	8.257468	7.699272	7.763244
RGS12	RGS12	7.629289	7.771848	7.609728	7.762627	7.657973	7.489464	7.37982	7.395972	7.533133	7.391567	7.182014	7.365836

RGS13	RGS13	6.910331	7.016907	6.88513	8.636556	7.821049	7.304474	6.937593	7.018963	6.999247	6.98218	6.769157	6.940746
RGS14	RGS14	7.19132	7.238266	7.010541	7.211081	7.063935	7.326786	7.042004	7.126838	7.125245	7.077208	7.019531	7.159026
RGS16	RGS16	7.640624	7.637344	7.694072	7.353831	7.129521	6.969385	7.023319	7.018404	7.03577	7.092495	6.97662	7.039383
RGS17	RGS17	9.237944	9.146804	8.61146	7.888157	7.489847	7.606879	7.708981	7.571917	7.891463	7.401772	7.433588	7.648549
RGS18	RGS18	6.991325	7.156135	6.889458	7.172194	7.030851	7.294526	6.836631	7.112656	6.846884	7.040023	6.861178	6.830299
RGS19	RGS19	8.099746	8.269737	7.91216	8.07068	8.128371	7.995347	7.64306	7.750679	7.647512	7.535416	7.894873	7.451281
RGS2	RGS2	10.27955	10.70461	10.16425	11.81603	11.03795	11.02063	10.14394	10.20155	10.81137	9.884907	10.74162	10.64616
RGS20	RGS20	6.90182	7.344987	7.285508	7.221852	7.020643	7.192503	6.899405	6.921797	7.073587	6.956425	6.974076	6.862393
RGS22	RGS22	6.915338	7.040835	6.797591	6.886731	6.809013	6.834738	6.834672	6.882128	6.740478	6.854123	6.722323	6.775599
RGS3	RGS3	6.895125	7.117752	6.835196	7.042087	6.993559	7.069254	7.029825	7.079948	7.024532	7.093176	7.000207	7.008382
RGS4	RGS4	7.005591	6.994618	8.605285	12.32344	12.30619	10.1956	9.268438	9.670888	9.562162	9.912238	12.20493	10.7462
RGS5	RGS5	7.119109	7.065144	7.879073	9.996282	9.463823	10.43067	10.01582	10.02457	9.5691	9.442526	9.19336	8.497979
RGS6	RGS6	7.029463	7.250737	6.958839	7.141861	6.984922	7.190178	7.041945	7.143894	7.114587	7.285185	7.105679	7.337887
RGS7	RGS7	7.403891	7.478101	7.003195	7.103484	6.902848	7.131883	6.869108	6.921875	7.129175	7.046891	6.777415	6.832053
RGS8	RGS8	6.790324	7.103782	6.845784	7.108552	6.953826	6.942042	6.796732	6.918106	6.934972	6.982425	6.872655	6.859447
RGS9	RGS9	6.876521	6.981354	6.729468	6.987964	6.981422	7.184949	7.100616	7.084044	7.02169	7.043007	6.821562	6.808553
RGS9BP	RGS9BP	7.041012	7.123642	6.70734	7.124162	7.121264	7.054934	6.937071	7.022953	7.04022	6.954732	6.806741	6.931739
RGSL1	RGSL1	6.853084	6.893617	6.688146	6.926265	6.847571	6.848566	6.770566	6.816977	6.636863	6.850715	6.798165	6.724977
RGSL2	RGSL2	6.828319	7.134659	6.739924	7.093731	6.992673	6.986077	6.798363	6.901899	6.78267	6.824508	6.780389	6.828043
RHAG	RHAG	6.925877	7.041352	6.914891	7.49235	6.991461	6.9686	6.87769	6.890679	6.92234	6.889183	6.794173	6.856847
RHBDD1	RHBDD1	8.182375	8.702514	7.842359	7.989558	7.956084	8.037222	7.778397	7.887952	7.835586	7.927634	7.844348	8.092305
RHBDD2	RHBDD2	9.595484	9.468427	9.646936	10.13623	10.29028	10.70307	10.54118	10.80529	10.50668	10.64858	10.8054	10.41412
RHBDD3	RHBDD3	8.229353	8.599739	8.104339	8.033988	7.853985	8.320577	7.796376	7.885137	7.904308	7.770515	7.590969	7.347734
RHBDF1	RHBDF1	10.83536	11.03695	11.58935	11.69636	11.30291	10.99741	10.72146	10.86807	10.85652	10.63056	10.50021	10.57771
RHBDF2	RHBDF2	8.030109	8.065417	7.592801	7.480688	7.255253	7.281293	6.998642	7.086537	7.100274	7.099363	7.060251	7.025067
RHBDL1	RHBDL1	7.112097	7.281471	7.045326	7.448417	7.412294	7.420013	7.314774	7.436855	7.194128	7.191581	6.995537	6.869847
RHBDL2	RHBDL2	7.669606	8.372888	7.939625	8.239181	8.477561	8.226638	8.455224	7.920272	8.187144	8.027828	7.589584	8.117562
RHBDL3	RHBDL3	9.387219	10.59525	9.696048	7.896242	7.350055	7.126884	7.018587	7.042922	7.780841	7.158439	6.995636	6.89957
RHBG	RHBG	6.920989	6.992068	6.73083	6.957432	6.784058	6.84683	6.727335	6.898352	6.770065	6.932934	6.69062	6.748461
RHCE	RHCE	6.849912	7.117629	6.850387	7.040266	7.017279	7.003348	6.931562	6.99941	6.921213	6.996959	6.933244	6.893237
RHCG	RHCG	6.85257	7.081288	6.790518	7.067793	6.880806	6.973021	6.885075	6.852355	7.016276	6.812678	6.775756	6.894772
RHD	RHD	6.83161	7.197063	6.765076	6.841298	6.902286	7.037666	6.914075	6.976747	6.870451	7.011026	6.906475	6.794227
RHEB	RHEB	11.68349	12.23053	11.34842	11.48635	11.41157	12.35734	12.0421	12.05641	12.17565	12.15819	12.03356	11.77959
RHEBL1	RHEBL1	7.327967	7.345343	6.924755	7.060028	6.975031	7.076008	6.957914	7.050291	7.012998	6.920628	6.957432	6.922366
RHO	RHO	6.8785	6.955806	6.751512	7.026163	6.898974	6.991806	6.872479	6.843679	6.83892	6.885219	6.856503	6.760042
RHOA	RHOA	12.41582	12.73085	12.13723	12.49104	12.10165	12.39167	12.25486	12.2348	12.21968	12.40475	12.63285	12.13131

RHOB	RHOB	7.448778	8.610819	8.431956	8.682233	8.114582	8.703427	8.370204	8.345652	8.570597	8.442179	8.968408	8.213594
RHOBTB1	RHOBTB1	6.922643	7.21389	6.820745	7.216875	7.110055	7.100276	6.989571	7.099696	7.130214	7.127712	6.907354	7.015713
RHOBTB2	RHOBTB2	7.020456	7.331656	7.275925	7.311865	7.226287	7.79235	7.607818	7.621451	7.540446	7.751142	7.480954	7.634773
RHOBTB3	RHOBTB3	8.380491	7.849008	9.87116	11.52272	11.30968	11.84103	11.29514	11.71195	11.12198	11.5441	12.27296	11.63822
RHOC	RHOC	9.763508	10.06434	11.08156	11.17922	11.23125	12.19326	12.13879	11.96094	12.07344	12.11096	12.17587	11.66633
RHOD	RHOD	7.904443	7.900763	7.411447	8.413136	8.655831	9.737013	9.088535	9.472755	9.184886	9.786113	9.944014	9.49424
RHOF	RHOF	7.01513	7.152829	6.864334	7.018626	7.016202	7.065112	6.888935	6.907966	6.852193	7.074976	7.014705	6.787827
RHOG	RHOG	9.085385	9.103211	8.637064	9.083971	8.914583	9.018174	8.613164	8.983388	8.773811	8.911122	9.662485	8.886077
RHOH	RHOH	6.814068	7.166695	6.766822	7.04152	6.867776	6.893183	6.817946	7.032003	6.862387	6.932181	6.784445	6.804284
RHOJ	RHOJ	6.870173	6.943054	6.876461	7.094033	7.181463	7.348131	7.413996	7.531802	7.737586	7.334164	8.181197	7.845844
RHOQ	RHOQ	11.35495	11.51692	11.15532	11.12271	11.48561	12.65866	12.57291	12.73587	12.4636	12.7789	12.1776	13.05274
RHOT1	RHOT1	9.065813	9.269894	8.611992	9.130634	9.142262	9.994794	9.501559	9.585354	9.441834	9.514022	9.408927	9.694031
RHOT2	RHOT2	9.82254	9.729994	9.166747	9.566554	9.441054	10.19928	9.524264	9.605324	9.403437	9.425024	9.319985	9.090323
RHOV	RHOV	6.910478	6.990143	6.783383	7.034678	6.840674	6.86905	6.967029	6.916865	6.922831	6.973933	6.812938	6.963352
RHPN1	RHPN1	7.202101	7.444759	7.17932	7.431238	7.248914	7.216303	7.225781	7.152942	7.197947	7.201087	7.050335	7.147815
RHPN2	RHPN2	11.09015	11.01934	11.25122	11.09888	12.13822	10.32408	9.587612	9.177799	9.44234	8.766125	8.678719	8.57603
RIBC1	RIBC1	6.92998	7.178803	6.896821	7.103979	7.051686	6.973178	7.045104	7.060964	7.009918	7.00309	6.880686	6.899635
RIBC2	RIBC2	6.933696	6.973205	6.868227	7.00739	6.919861	6.931399	6.819816	6.867154	6.927768	6.877186	6.826037	6.809519
RIC3	RIC3	7.242621	7.53836	7.128073	7.300153	7.248604	7.813915	7.747454	7.736674	7.68498	7.948613	7.693453	7.841856
RIC8A	RIC8A	9.730719	10.33196	9.889095	10.28224	10.25083	10.52768	10.09945	10.23233	10.20228	10.35896	10.55008	10.37765
RIC8B	RIC8B	7.732036	8.203213	7.397306	7.69444	7.504346	7.895421	7.794391	7.511004	7.841599	7.734116	7.330265	7.701762
RICS	RICS	8.52308	8.718202	8.694239	8.952565	9.022997	8.54504	8.058742	8.171742	8.316709	7.865847	7.818119	7.639255
RICTOR	RICTOR	7.118426	7.267166	7.001336	7.311982	7.168495	7.366993	7.243173	7.346274	7.416689	7.443164	7.064785	7.274233
RIF1	RIF1	8.655741	9.482645	8.743995	8.897038	8.50075	8.396703	7.970494	7.89088	8.016109	7.854137	7.762074	7.893148
RIG	RIG	6.815233	7.032456	6.798161	7.046809	6.956621	6.865798	6.939087	6.961328	6.760795	6.842234	6.809755	6.980937
RILP	RILP	7.751729	7.955287	7.747128	7.931587	7.634865	7.945544	7.611947	7.556901	7.533629	7.638753	7.411407	7.545985
RIMBP2	RIMBP2	6.949071	7.216245	6.935022	7.001004	7.003184	7.129814	6.892149	7.127824	7.053555	6.978674	6.82209	6.956616
RIMS1	RIMS1	7.031929	7.273127	6.879464	7.117651	7.120259	7.050272	7.015985	7.111591	6.912184	7.018853	6.850773	6.848816
RIMS2	RIMS2	7.146162	7.666511	7.296065	7.287622	7.119964	7.150588	7.00543	7.013147	6.986772	7.198405	6.870343	6.921993
RIMS3	RIMS3	9.815321	9.149049	8.257226	8.605339	8.977831	10.26774	10.16144	9.900175	9.715312	9.636694	9.173951	8.763595
RIMS4	RIMS4	7.762829	7.922763	7.095038	7.178516	7.01512	7.309322	7.213618	7.258609	7.434757	7.248232	7.057596	7.011249
RIN1	RIN1	7.234298	7.585681	7.012475	7.405838	7.376382	7.43115	7.298498	7.183024	7.161112	7.402925	7.346394	7.350587
RIN2	RIN2	6.924039	7.133074	7.400518	9.1463	9.209457	9.329029	9.633726	9.62996	9.648044	9.952025	9.539465	9.676092
RIN3	RIN3	6.731311	7.014707	6.723362	7.024961	6.936012	7.035088	6.872744	6.922042	6.949051	6.93536	6.832627	6.85852
RING1	RING1	10.90086	11.006	10.65235	11.32541	11.79895	12.14003	11.81822	11.70036	11.86387	11.82651	11.2204	11.45793
RINT-1	RINT-1	8.022691	8.153997	7.985367	8.199649	7.96167	8.46866	7.953468	8.107115	7.965733	8.09554	8.022372	7.94386

RIOK1	RIOK1	8.26986	8.699335	8.246787	8.684508	8.576391	8.481748	8.059641	7.939208	8.118095	7.88446	7.676471	7.798295
RIOK2	RIOK2	9.797336	10.33864	9.686093	9.744505	9.525434	10.38488	9.774489	10.02341	9.933921	9.795479	9.936622	9.633121
RIOK3	RIOK3	8.375802	9.109159	8.75987	9.314739	9.498777	10.83578	9.900289	10.04993	9.674902	9.758883	9.67001	9.683086
RIP	RIP	11.06014	11.48006	11.03014	11.30338	11.336	11.77476	11.15418	11.26866	11.20372	11.11164	11.03408	10.18901
RIPK1	RIPK1	8.295502	8.614608	8.18591	8.510004	8.460273	8.367976	7.992582	8.341558	8.018675	7.967779	8.051808	7.802255
RIPK2	RIPK2	9.587189	10.00131	9.390631	9.292398	8.760564	8.989658	8.459934	8.81565	8.869757	9.123155	9.536413	9.245774
RIPK3	RIPK3	7.926144	8.116193	7.285357	7.558845	7.390722	7.788545	7.29496	7.340491	7.415954	7.47162	7.386034	7.215261
RIPK4	RIPK4	7.666931	7.61588	7.492139	7.728452	7.458192	7.402289	7.342965	7.428091	7.428079	7.18759	7.157832	7.219511
RIPK5	RIPK5	8.329864	8.577337	7.908411	8.317817	8.886585	8.85824	8.588752	8.387373	8.645928	8.469691	8.180213	8.380322
RIS1	RIS1	12.06675	12.80587	10.58485	10.15902	11.0769	9.387344	9.105132	9.571181	10.35223	10.23998	12.03343	12.10947
RIT1	RIT1	7.889953	8.385244	7.91304	8.098346	8.021385	9.414604	8.79352	9.073337	8.979088	8.921158	9.137556	8.841509
RIT2	RIT2	7.372082	7.360179	7.139836	6.949282	6.804756	6.784004	6.659604	6.841477	6.856633	6.840871	6.761838	6.661025
RKHD1	RKHD1	8.207435	8.363103	8.085189	8.361333	8.000545	7.603191	7.339011	7.377242	7.462048	7.277288	7.331392	7.139255
RKHD2	RKHD2	10.28035	10.54708	9.972907	9.864235	9.770084	9.467664	9.237814	9.001519	9.310901	8.973853	9.138386	9.071028
RKHD3	RKHD3	8.680604	8.329118	7.927276	8.425606	8.447716	8.135275	7.70371	8.033741	8.347236	7.645019	8.110118	7.438323
RLBP1	RLBP1	6.762057	6.965042	6.795415	6.965731	6.93546	6.866752	6.89588	6.942825	6.752547	6.840204	6.787885	6.805834
RLF	RLF	7.89442	8.103866	7.877747	8.168756	8.186499	8.275455	7.769458	7.836368	7.884844	7.937122	7.609109	8.130233
RLN1	RLN1	7.01285	7.178911	6.792778	7.007625	6.9602	6.955075	6.760491	6.978932	6.819356	6.920409	6.813388	6.920327
RLN2	RLN2	7.084931	7.330036	6.884521	7.004866	6.89193	6.967244	6.909155	6.902539	6.896447	6.96153	6.803025	7.013498
RLN3	RLN3	6.897658	7.16114	6.741068	7.043228	7.001823	7.282613	6.993315	6.995737	7.000948	7.037891	6.952019	7.115445
RLN3R1	RLN3R1	6.960724	7.184652	7.023067	7.129316	6.955102	6.995598	6.909484	7.044121	6.865671	6.966238	6.840512	6.865416
RLN3R2	RLN3R2	6.828527	7.118443	6.826587	7.042534	7.068242	7.019131	6.912963	6.931362	6.98541	6.993339	6.830397	6.932878
RLTPR	RLTPR	7.433125	7.712169	7.117045	7.105141	6.863558	6.935879	6.903194	7.00349	6.940458	6.994406	6.7609	6.80032
RMI1	RMI1	10.11948	10.57401	9.96547	9.685382	9.239823	9.212837	8.774301	8.645396	8.660036	8.513561	8.202153	7.996328
RN7SK	RN7SK	8.150622	10.38644	9.278149	8.582218	8.680037	9.250462	8.616114	8.412612	8.781473	8.274599	7.867636	8.363209
RN7SL1	RN7SL1	14.39748	15.05239	14.50303	14.995	14.88839	14.71142	14.97272	14.57847	14.86531	14.62592	14.24354	14.48565
RNASE1	RNASE1	7.069127	7.139921	7.005496	7.280537	7.151407	7.205519	7.144287	7.200538	7.212541	7.206427	7.464961	7.141842
RNASE10	RNASE10	7.039417	7.293713	7.052193	7.246035	7.211254	7.43968	7.0882	7.169348	7.08981	7.138905	6.977032	7.005195
RNASE11	RNASE11	6.817216	6.956167	6.839421	7.056741	6.926884	6.905569	6.854561	6.917766	6.88062	6.928422	6.738741	6.874777
RNASE12	RNASE12	6.884693	6.950667	6.746393	7.046169	6.949591	6.923885	6.80419	6.826164	6.831333	6.849848	6.764239	6.78357
RNASE13	RNASE13	6.968824	7.099818	6.907605	7.076205	7.040598	6.908761	6.890509	6.834044	6.956515	6.897068	6.751431	6.935098
RNASE2	RNASE2	6.814071	7.14747	6.807075	6.96099	6.997794	6.958476	6.853373	6.905208	6.967113	6.846834	6.822351	6.796352
RNASE3	RNASE3	6.891778	6.809939	6.781161	6.982966	6.785127	7.014389	6.805411	6.839583	6.75718	6.798213	6.692897	6.664591
RNASE4	RNASE4	7.438005	7.397634	7.329385	7.465346	7.644166	7.61548	7.464991	7.581369	7.682906	7.534028	7.997684	7.594308
RNASE6	RNASE6	6.893958	7.041952	6.823101	6.963156	6.994534	6.957626	6.82597	6.910043	6.792223	6.940593	6.897241	6.81579
RNASE7	RNASE7	6.83334	7.04352	6.718064	7.03295	6.923272	6.982924	6.725497	6.850721	6.83344	6.875058	6.710056	6.875096

RNASE8	RNASE8	6.857716	7.03287	6.77267	6.998015	6.942221	6.985016	6.834051	6.948043	6.895171	6.99131	6.769883	6.822246
RNASE9	RNASE9	6.724035	6.944458	6.728958	6.858086	6.889086	6.763414	6.816189	6.971039	6.868184	6.751607	6.711145	6.828433
RNASEH1	RNASEH1	10.60338	10.35011	10.05968	10.1766	10.01926	10.41911	9.854661	9.8978	9.770505	9.766668	9.687965	9.437184
RNASEH2A	RNASEH2A	9.425661	9.902812	9.173031	9.186174	8.516891	8.433378	8.309976	8.135946	7.930003	8.109435	7.814472	7.480678
RNASEL	RNASEL	7.089688	7.3069	7.020394	7.335552	7.384393	7.290837	7.255838	7.380182	7.484809	7.37963	7.255246	7.255205
RNASEN	RNASEN	8.984297	9.243617	8.515198	8.980713	8.535055	8.375761	8.314254	8.206073	8.162464	8.313884	8.079833	8.188802
RNASET2	RNASET2	10.75409	10.3684	9.681258	10.05379	10.5114	10.0843	9.587971	9.350767	9.959239	9.139232	9.026421	9.251228
RND1	RND1	7.905259	8.176617	7.066248	7.487111	7.333831	7.228759	7.00568	7.083551	7.145945	6.969763	6.90934	6.934923
RND2	RND2	10.72529	11.86212	9.592194	9.071665	9.180301	9.546908	9.2429	8.644642	8.987849	8.504531	7.934072	7.977198
RND3	RND3	10.27397	10.52889	10.0566	10.2182	9.955362	10.52326	9.438644	10.07696	10.36396	10.34067	10.8802	10.08702
RNF10	RNF10	7.99305	8.285692	7.738652	7.949767	7.798401	8.420902	8.058555	8.412018	8.16997	8.497426	8.225256	8.135913
RNF103	RNF103	8.484234	8.586005	8.978512	9.628207	9.764528	10.79341	10.21968	10.53195	10.23639	10.61186	10.50548	10.73667
RNF11	RNF11	7.578589	7.932181	7.672835	8.009606	7.861007	8.566096	8.328953	8.434868	8.3637	8.279076	8.490806	8.456608
RNF111	RNF111	7.199798	7.373093	6.978165	7.431998	7.097768	7.252909	7.053311	7.120287	7.146443	7.146422	6.959335	7.034387
RNF113A	RNF113A	8.824882	8.980971	8.361443	8.625554	8.70638	9.400287	8.841462	8.668416	8.845951	8.772524	8.259837	8.802935
RNF113B	RNF113B	6.928282	7.141101	6.963347	7.144913	7.058864	7.253315	6.941387	7.150598	7.097689	7.003146	6.898866	6.88824
RNF12	RNF12	6.803786	7.064538	6.765438	6.934667	6.905106	6.884657	6.86095	6.846869	6.867932	6.878879	6.71351	6.760899
RNF121	RNF121	9.072643	9.726946	9.185114	9.435874	9.470953	9.711953	9.278724	9.15295	9.247982	9.120706	9.085048	9.008892
RNF122	RNF122	7.346996	7.785823	7.468823	7.603295	7.707791	7.90199	7.724842	7.593238	7.905725	7.779957	7.414421	7.510982
RNF123	RNF123	7.810318	7.914637	7.553836	7.952431	7.802063	8.176244	8.012935	8.329847	8.11032	8.431551	8.338768	8.100514
RNF125	RNF125	7.666821	7.769745	7.211388	7.179489	7.084071	7.084235	6.913338	6.965987	6.939489	6.889473	6.862587	6.823782
RNF126	RNF126	9.156775	9.115384	8.629889	8.852611	8.688438	8.739196	8.416275	8.263415	8.441063	8.450013	8.225865	8.48608
RNF126P1	RNF126P1	7.163591	7.29224	7.041813	7.227044	7.175321	7.339662	7.166754	7.17165	7.196235	7.20416	7.037372	7.162357
RNF128	RNF128	7.052444	7.288376	6.985043	7.287212	7.145503	7.307855	7.258913	7.379848	7.386129	7.336481	7.183305	7.161076
RNF13	RNF13	7.964672	8.194571	7.741412	7.894856	7.733795	7.992652	7.777005	7.901602	7.921024	7.851168	7.809969	7.932826
RNF130	RNF130	9.63347	10.0572	9.125801	9.132298	8.918764	8.632186	8.713362	8.57654	8.591369	8.595464	8.516019	8.734355
RNF133	RNF133	6.86568	7.104173	6.843674	7.00185	6.888695	6.989661	6.796687	6.878592	6.837798	6.837949	6.837652	6.82806
RNF135	RNF135	7.609707	7.939034	7.38459	7.463999	7.31184	7.040216	7.004131	7.063761	7.019201	6.991246	6.956314	6.89621
RNF138	RNF138	8.967633	9.322877	8.639202	8.568621	8.218164	8.62988	8.04033	7.893473	7.771154	7.756611	7.537298	7.596374
RNF138P1	RNF138P1	6.846332	7.009942	6.835141	6.902519	6.90456	7.015823	6.830848	6.958533	6.943862	7.007364	6.833416	6.738443
RNF139	RNF139	6.86094	7.094328	6.782185	7.024486	6.904776	6.90677	6.892742	6.991912	6.963388	6.937313	6.862275	6.815936
RNF14	RNF14	7.919078	8.52798	8.342235	8.83003	9.134273	10.67018	9.943793	10.05338	9.881072	9.947234	10.03725	9.721623
RNF141	RNF141	7.612967	7.815467	7.609949	7.709091	7.670096	7.933692	7.63554	7.651635	7.679903	7.662798	7.383699	7.328663
RNF144	RNF144	9.84891	9.703914	9.067423	9.223247	9.378375	9.374426	8.911353	8.682347	9.424739	8.561401	8.14244	8.457209
RNF146	RNF146	8.023481	8.465962	8.306091	8.194643	8.36753	8.989918	8.543572	8.601262	8.892082	8.546921	8.273325	8.283488
RNF148	RNF148	7.294523	7.608981	7.068912	7.300376	7.120253	7.315571	7.183359	7.056603	7.04807	7.107782	6.906168	7.153797

RNF149	RNF149	9.092652	9.333971	8.692001	9.281844	9.490142	10.23738	9.779538	9.827337	9.92461	9.941946	9.600766	9.638103
RNF150	RNF150	8.358923	8.335066	8.401221	10.41696	10.33982	11.206	11.00038	10.87927	10.55096	10.78777	9.727703	11.078
RNF151	RNF151	6.833885	7.008958	6.760259	6.97277	6.8126	6.930083	6.782793	6.918602	6.834461	6.851317	6.695961	6.756912
RNF152	RNF152	6.938495	7.189952	7.027886	7.249432	7.106708	7.124244	6.948455	7.037581	6.996166	6.96809	6.823822	6.954706
RNF157	RNF157	7.281533	7.514474	7.118158	7.375939	7.2967	7.13206	7.231326	7.319398	7.290339	7.298454	6.942634	7.106172
RNF165	RNF165	8.396303	7.693742	7.78512	8.341414	8.665353	8.429558	8.06872	7.939155	8.76445	7.719168	7.335817	7.222465
RNF166	RNF166	7.324573	7.433498	7.132671	7.316186	7.202664	7.288362	7.148717	7.221087	7.194934	7.250528	7.190523	7.163369
RNF167	RNF167	9.676396	10.23439	9.189533	9.228975	8.968668	10.04333	9.499779	9.256989	9.423358	9.553852	9.209243	9.674467
RNF168	RNF168	6.977553	7.332528	6.908193	7.185854	7.049586	7.238251	6.985639	7.048043	6.971862	7.03994	6.967302	7.123873
RNF169	RNF169	7.073103	7.311073	6.985965	7.225908	7.23021	7.248267	6.984084	7.099711	7.088759	7.159436	6.939025	7.135112
RNF17	RNF17	6.831816	6.989633	6.742074	7.003023	6.845491	6.907392	6.820164	6.965334	6.827792	6.826916	6.67073	6.795888
RNF170	RNF170	7.688619	7.964433	7.794413	8.211106	8.448284	8.784334	8.153657	8.214707	8.110283	7.875885	8.042579	8.006964
RNF175	RNF175	8.815725	8.850077	8.51635	7.830116	7.497561	7.664449	7.507804	7.405466	7.867465	7.425036	7.133906	7.194007
RNF180	RNF180	6.972177	7.187718	6.914628	7.023604	7.020343	7.159323	6.971794	7.016275	6.913545	7.088774	6.843629	6.909143
RNF183	RNF183	6.920857	7.24014	6.94047	7.117976	6.985273	7.19479	6.944286	7.013194	7.065378	7.136795	6.909238	7.082756
RNF185	RNF185	7.344692	7.665376	7.444216	7.951553	7.666136	7.949606	7.566921	7.613336	7.45398	7.751445	7.610838	7.542986
RNF186	RNF186	6.94229	7.068104	6.889882	7.044637	6.9828	6.979794	6.952086	6.880526	6.813676	6.895344	6.851462	6.937988
RNF187	RNF187	7.510022	7.706613	7.482281	7.696688	7.548917	7.619992	7.577236	7.557898	7.755231	7.579723	7.489163	7.891712
RNF19	RNF19	7.292801	7.765779	8.090546	8.309083	8.125959	8.662392	8.247863	8.542312	8.368522	8.585444	8.280602	8.168993
RNF190	RNF190	6.803152	7.013415	6.847026	6.945826	6.872975	6.912478	6.830074	6.931535	6.843531	6.989161	6.69009	6.842114
RNF2	RNF2	7.021913	7.310888	6.969151	7.270468	7.186139	7.417614	7.179782	7.142177	7.156697	7.089639	6.843873	6.937368
RNF20	RNF20	10.42291	11.01098	10.43938	10.20295	10.15689	10.69775	10.24364	10.28362	10.3285	10.04989	9.728917	9.951202
RNF24	RNF24	7.764493	8.021722	8.428214	8.806818	8.011199	7.951055	7.735928	8.082226	8.130785	7.862352	8.650603	8.224085
RNF25	RNF25	7.303505	7.637275	7.481011	7.554688	7.363906	7.766413	7.415724	7.537331	7.341654	7.439422	7.454029	7.47661
RNF26	RNF26	9.281855	9.393131	8.797293	8.940498	8.475134	8.144208	7.875193	7.958433	7.791935	7.923453	8.074169	7.876066
RNF31	RNF31	8.238499	8.493788	7.91849	8.290352	8.244061	8.283466	8.084033	8.195438	8.113784	8.175242	7.996864	7.958406
RNF32	RNF32	6.9538	7.133344	6.885775	7.131118	6.956852	6.985942	6.874416	6.975181	6.909119	7.002269	6.799353	6.868045
RNF34	RNF34	10.06311	10.53954	10.02717	9.990997	9.735132	10.22169	9.898963	9.827773	9.799981	9.61842	9.245663	9.252709
RNF36	RNF36	6.919225	7.124107	6.78806	7.033515	7.042774	7.61429	7.423207	7.516033	7.499268	7.538684	7.462211	7.499475
RNF38	RNF38	8.852664	9.221691	8.711366	9.377656	8.748263	9.06636	8.65409	8.586751	8.288839	8.272871	7.972637	8.335772
RNF39	RNF39	7.288281	7.341052	6.94056	7.165117	6.917982	6.963845	6.977583	7.029627	6.930172	6.992295	6.922308	6.865271
RNF4	RNF4	9.088073	9.157419	8.94471	9.057113	8.644125	9.237931	8.558631	8.818948	8.54785	8.543445	8.620183	8.361787
RNF40	RNF40	7.571198	7.972415	7.676733	7.830691	7.77777	7.884561	7.540935	7.705277	7.503309	7.511866	7.72244	7.568142
RNF41	RNF41	7.817309	7.907739	7.296775	7.868631	7.623328	8.338325	8.030746	8.176926	8.066062	8.261073	8.213585	8.059287
RNF43	RNF43	6.810351	7.010599	6.992	7.376531	7.116583	7.215548	7.146405	7.110419	7.108592	7.066146	6.81529	7.110411
RNF44	RNF44	9.682208	9.691819	9.137565	8.975484	8.59691	8.583204	8.042553	7.994003	8.015549	7.800265	7.461315	7.616927

RNF5	RNF5	8.684503	9.127284	8.233239	8.371167	8.387237	9.159875	8.650839	8.663466	8.688163	8.829045	8.735678	8.742164
RNF5P1	RNF5P1	10.53813	10.96727	9.867618	10.01738	9.988648	10.35159	9.831559	10.0041	9.874673	9.924262	10.12903	10.11392
RNF6	RNF6	6.896633	7.147037	6.877239	7.046455	7.020849	7.483028	7.191828	7.404339	7.382266	7.430315	7.399765	7.33149
RNF7	RNF7	10.81581	11.64703	10.87394	10.9081	11.1737	11.46754	11.03816	11.22621	11.02864	11.17897	11.60193	10.81937
RNF8	RNF8	8.439677	8.591645	8.016509	8.201407	8.08108	9.008368	8.590517	8.847938	8.643493	8.639642	8.634193	8.277044
RNGTT	RNGTT	10.40178	10.49189	10.14908	10.46392	9.96373	10.49565	9.888538	9.819452	9.875546	9.71566	9.429652	9.54219
RNH1	RNH1	7.769833	8.111969	7.680498	8.156503	8.433474	9.381998	8.863735	9.058133	8.864207	9.149056	9.663637	9.260106
RNMT	RNMT	9.866384	9.997984	9.627708	9.819268	9.837611	10.2574	9.451792	9.791519	9.469643	9.647209	9.645804	9.450129
RNMTL1	RNMTL1	10.52326	10.92341	9.80978	9.707377	9.530547	10.08331	9.690929	9.672652	9.787927	9.776674	9.308578	9.907181
RNPC1	RNPC1	7.972408	8.178229	7.665311	7.966317	8.462758	10.01753	9.474318	9.618679	8.978896	9.320775	8.858286	8.835697
RNPC2	RNPC2	7.206292	7.414848	7.17163	7.466956	7.310541	7.357276	7.135095	7.190265	7.136326	7.107241	7.003303	7.051116
RNPC3	RNPC3	7.797719	7.980529	7.742825	7.951517	7.975718	8.373889	8.257099	7.854877	8.054733	7.780165	7.453696	7.694021
RNPEP	RNPEP	8.86987	9.310839	8.767308	9.218645	9.098205	9.116035	8.516306	8.315639	8.619605	8.416369	8.324988	8.36804
RNPEPL1	RNPEPL1	6.982885	7.117585	7.076779	7.121131	7.122727	7.148689	7.007355	7.12796	6.962653	7.110505	6.917779	7.110365
RNPS1	RNPS1	10.72792	10.84157	10.1504	10.38422	10.03497	10.55091	9.803583	10.07564	9.881616	10.01514	10.26504	9.809638
RNU101A	RNU101A	8.099848	8.644283	7.990363	8.093959	7.848461	7.665396	7.534362	7.406162	7.444765	7.344717	7.125219	7.131841
RNU101B	RNU101B	6.956879	7.343561	7.077843	7.076432	7.139784	7.077839	6.991887	7.02367	6.995604	7.020613	6.953129	6.899796
RNU108	RNU108	7.932439	8.528417	7.679363	7.892818	7.450943	7.517388	7.374561	7.336422	7.336535	7.508994	7.167444	7.228919
RNU12	RNU12	6.925698	7.208502	6.876116	7.121234	7.031689	7.010103	6.931053	6.978546	6.941878	7.035201	6.888991	6.883899
RNU14	RNU14	7.791207	8.491434	7.700658	7.786743	7.810634	7.987199	7.49861	7.621919	7.594317	7.41639	7.358207	7.282747
RNU14B	RNU14B	7.44907	7.53435	7.118841	7.39457	7.101379	7.216194	7.0762	7.151397	6.991915	6.904043	6.815073	7.023976
RNU15A	RNU15A	6.799533	7.120876	6.759269	6.95306	6.887047	6.941966	6.853266	6.912514	6.817963	6.939502	6.75513	6.724765
RNU15B	RNU15B	7.444203	7.814074	7.430237	7.390951	7.233178	7.269735	7.063295	7.094178	7.067966	7.14538	6.852726	6.945543
RNU2	RNU2	6.753682	7.144167	6.935902	7.101734	6.882427	6.891233	6.770228	6.86187	6.803235	6.932366	6.703412	6.903163
RNU21	RNU21	7.731269	7.788299	7.349638	7.493927	7.258223	7.303863	6.987812	7.129839	7.045986	7.023175	6.91299	6.899452
RNU22	RNU22	7.924416	8.424982	7.632209	8.105563	7.587165	7.646719	7.50056	7.578832	7.704663	7.584496	7.493407	7.492083
RNU25	RNU25	8.191633	8.269954	7.69358	7.710567	7.500669	7.737227	7.332951	7.555938	7.475918	7.705271	7.55771	7.61486
RNU26	RNU26	6.909595	7.051274	6.770525	7.022987	6.939256	6.921676	6.821715	6.917242	6.943975	6.886562	6.769749	6.884571
RNU27	RNU27	6.834799	7.097552	6.733844	6.950786	6.819608	7.012332	6.791831	6.794947	6.721682	6.858108	6.636105	6.791786
RNU28	RNU28	6.860751	7.020941	6.84923	6.977306	6.962045	7.061921	6.861916	7.074265	6.716203	6.875819	6.72736	6.841148
RNU30	RNU30	8.028483	8.651211	7.839116	7.833991	7.430241	7.385213	7.243583	7.384539	7.434739	7.219447	7.460092	7.344452
RNU32	RNU32	7.279313	7.758386	7.250467	7.332432	7.296378	7.405799	7.234076	7.306973	7.374307	7.1594	7.047518	6.997174
RNU33	RNU33	7.513423	8.129797	7.475035	7.553729	7.496674	7.950538	7.438653	7.494831	7.435758	7.262925	7.111443	7.20588
RNU35	RNU35	7.444239	7.983464	7.478343	7.557623	7.31219	7.422751	7.143004	7.246856	7.2276	7.084755	6.975991	7.037243
RNU35B	RNU35B	7.703324	8.328648	7.906557	8.072258	7.882295	7.946722	7.373182	7.383077	7.591438	7.435725	7.019166	7.058254
RNU38A	RNU38A	7.493474	7.959567	7.420112	7.807649	7.44289	7.628748	7.335835	7.304299	7.361894	7.160652	7.071572	7.088076

RNU38B	RNU38B	7.008153	7.305787	6.975152	7.104512	7.040896	7.033878	6.881828	6.962737	6.960945	6.956362	6.785347	6.796031
RNU39	RNU39	7.171702	7.622913	7.232096	7.322317	7.299246	7.876291	7.151249	7.110166	7.218728	7.164364	6.956553	7.055708
RNU3IP2	RNU3IP2	7.885769	7.830288	7.52853	7.625559	7.509332	7.516762	7.079427	7.167159	7.162909	7.13607	7.193924	7.107074
RNU40	RNU40	7.30149	8.037695	7.296661	7.296079	7.066105	7.352068	7.004488	6.872831	6.953784	6.906915	6.765683	6.955489
RNU42A	RNU42A	6.744132	6.944421	6.721243	6.822652	6.854334	6.857088	6.800989	6.845285	6.817541	6.744552	6.845506	6.737912
RNU42B	RNU42B	7.136521	7.419109	7.09123	7.260892	7.112364	7.114387	7.046374	7.036076	6.991188	7.042457	6.844165	6.987928
RNU43	RNU43	7.072622	7.381592	7.136105	7.213711	7.041025	7.020237	6.825469	7.018491	6.965956	6.93524	6.770745	6.793904
RNU54	RNU54	6.98546	7.181288	6.932204	7.067167	7.123595	7.161525	6.891209	7.013617	6.946037	6.969246	6.74719	6.962884
RNU56B	RNU56B	6.882828	7.120486	6.866025	7.024417	6.979536	6.970595	6.926674	7.103293	6.81039	6.918001	6.806321	6.819362
RNU64	RNU64	7.745474	8.130313	7.371105	7.771132	7.441744	7.402298	7.162198	7.33311	7.290588	7.192208	7.129524	7.132174
RNU65	RNU65	7.413154	7.881514	7.279782	7.410739	7.315027	7.293293	7.063117	7.152603	7.130342	7.118682	7.123455	6.90643
RNU66	RNU66	7.204046	7.37245	6.848736	7.275032	7.156294	7.2023	6.997598	7.063055	7.041825	6.964252	6.816181	6.738204
RNU70	RNU70	9.146879	9.933844	9.446689	9.493968	9.831603	9.410503	9.032374	9.136953	9.265039	8.935152	8.687301	8.207438
RNU73	RNU73	7.200691	7.705723	7.401934	7.436338	7.188335	7.525846	7.226787	7.222943	7.295026	7.115612	6.995662	7.210135
RNU83A	RNU83A	6.953145	7.13077	6.682075	7.031693	6.904552	6.98714	6.892224	6.805297	7.031917	6.896886	6.732517	6.880648
RNUT1	RNUT1	9.071864	9.587082	9.099199	8.999389	8.972487	9.253174	8.929716	9.179072	9.160989	8.968363	9.153199	8.920408
RNUXA	RNUXA	9.295416	9.719217	8.996531	8.882757	8.721946	9.16097	8.659694	8.620676	8.812303	8.66737	8.65368	8.880125
ROBO1	ROBO1	7.374851	7.533074	7.360827	7.392456	7.283331	7.314086	7.471043	7.381707	7.384624	7.361261	7.291022	7.234498
ROBO2	ROBO2	6.979625	7.108349	6.849666	7.707586	7.754074	7.267549	7.292806	7.158547	7.156513	6.92559	6.863985	6.922421
ROBO3	ROBO3	7.692641	7.883296	7.491925	7.642317	7.662163	7.602331	7.197801	7.176367	7.862922	7.133856	7.031019	7.024419
ROBO4	ROBO4	6.89033	7.121871	6.805378	7.150422	6.844345	7.090665	6.893241	7.034896	6.83956	6.837441	6.808921	6.808369
ROCK1	ROCK1	7.32883	7.712392	7.313623	7.56555	7.33724	8.060398	7.421898	7.684731	7.516513	7.502709	7.635068	8.384607
ROCK2	ROCK2	13.31832	13.91628	13.42895	13.91889	13.76766	13.63912	13.82573	13.36984	13.68591	13.49266	12.9463	13.42447
ROD1	ROD1	11.65142	11.60301	11.19742	11.04723	10.38794	9.659552	8.983841	8.998352	9.346886	8.645244	9.19066	8.735221
ROM1	ROM1	7.195624	7.232612	7.033566	7.199755	7.134494	7.50928	7.123456	7.25914	7.324503	7.397243	7.083601	7.296076
ROPN1	ROPN1	6.929837	6.913834	6.753043	6.947833	6.900739	6.948261	6.852415	6.905978	6.86977	6.986498	6.816935	6.788904
ROPN1B	ROPN1B	6.914185	7.091616	6.826102	7.02499	6.985034	6.96875	6.933765	6.973224	6.961003	6.97905	6.841073	6.933166
ROPN1L	ROPN1L	6.885289	7.177274	6.842398	7.157876	7.000985	7.083293	7.03527	7.126306	7.010811	7.086984	7.016277	6.907537
ROR1	ROR1	9.053389	9.0339	8.761241	8.812828	8.486235	9.117991	8.723729	9.199877	8.705197	9.114226	8.792576	8.359051
ROR2	ROR2	7.532216	7.802669	10.07686	9.207465	9.088531	9.35744	9.212825	9.123173	9.100495	9.179039	8.273955	8.553229
RORA	RORA	6.988511	7.312182	6.969986	7.151668	7.038756	7.130181	7.014905	7.026725	7.048939	7.033607	6.87309	6.981588
RORB	RORB	7.924376	7.718358	7.468433	7.069914	6.950781	7.060309	6.895088	6.988199	7.016847	6.886848	6.714279	6.849526
RORC	RORC	6.830832	7.093732	6.795698	7.011133	6.908747	7.035698	6.842656	6.920109	6.859821	6.94165	6.816284	6.810091
ROS1	ROS1	6.891057	6.965998	6.748513	6.971214	6.977027	6.91892	6.891002	6.909123	6.83022	6.932053	6.806431	6.966487
RP1	RP1	6.874735	7.092083	6.81747	6.963474	6.894792	6.968032	6.852694	6.922782	6.918026	6.953297	6.769336	6.816747
RP1-112K5	RP1-112K5	9.832878	10.38336	9.437447	9.458162	9.614434	10.04938	9.965616	9.792239	9.800188	10.02388	9.763617	9.99372

RP11-19J3	RP11-19J3	7.546121	7.645669	7.486141	7.880941	7.506763	7.795799	7.666169	7.645684	7.495937	7.543769	7.430802	7.423536
RP11-450F	RP11-450F	7.115859	7.124668	6.815481	7.037158	6.87337	6.928771	6.855377	6.944759	6.879667	7.04413	6.816788	6.834521
RP11-49G	RP11-49G	6.977468	7.179842	6.932705	7.153127	7.04948	7.110385	6.996364	7.025646	7.072813	7.064965	6.87473	6.956585
RP11-529I	RP11-529I	8.758459	9.025831	9.093967	9.549692	9.733235	9.716481	9.407297	9.270423	9.326492	9.355257	9.302886	9.106986
RP11-564C	RP11-564C	7.070711	7.291522	6.991649	7.305347	7.095605	7.327089	7.066937	7.186303	7.091013	7.150112	6.963388	7.149083
RP13-11B7	RP13-11B7	6.843644	7.069419	6.861793	7.017434	6.877842	7.012955	6.886418	6.881621	6.897614	6.924106	6.738237	6.841879
RP13-15M	RP13-15M	7.225229	7.312477	7.043246	7.380052	7.369668	7.632793	7.392761	7.517766	7.329125	7.46192	7.410996	7.390453
RP1-32F7.	RP1-32F7.	7.326249	7.54186	7.065564	7.229985	7.351019	7.412347	7.344114	7.404266	7.481233	7.440702	7.094038	7.361536
RP1L1	RP1L1	6.971392	7.013807	6.974617	7.111841	7.010205	7.013541	6.807586	6.913478	6.932654	7.045345	6.85763	6.883185
RP2	RP2	7.528647	7.696923	7.544485	8.09077	7.647601	7.458996	7.292996	7.566844	7.217426	7.359194	7.652569	7.54519
RP9	RP9	9.653276	9.918684	10.08179	10.45207	10.30057	11.37232	10.47969	10.42789	10.59372	10.42925	9.896155	10.15575
RPA1	RPA1	11.60658	11.85921	11.38333	11.47554	10.99951	10.95908	10.59998	10.53095	10.39678	10.27931	10.07366	10.53141
RPA2	RPA2	11.50085	12.076	11.30939	11.41166	11.02182	11.52975	11.19464	11.0507	11.13396	11.05788	10.46601	10.56789
RPA3	RPA3	12.21755	12.99546	12.0094	11.53428	11.55192	11.56202	11.35578	11.15533	11.38453	11.40316	10.9659	10.4284
RPA4	RPA4	6.950732	7.444867	7.241954	7.266856	7.102501	7.155378	6.995555	7.089134	6.988407	6.939533	6.866466	6.934948
RPAIN	RPAIN	11.79995	12.18585	11.71933	11.94041	12.01091	12.35098	11.8003	11.93937	11.9543	11.85694	11.84781	11.29438
RPAP1	RPAP1	8.55163	9.081949	8.294032	8.468711	8.08826	8.387178	7.863461	7.790781	7.940322	7.998435	8.136644	8.063265
RPE	RPE	8.411808	8.905061	8.091154	8.226823	8.109603	8.543708	7.972598	8.051683	8.02641	7.883272	8.062327	8.047902
RPE65	RPE65	6.859491	6.973958	6.738377	6.972921	6.866706	6.909835	6.969878	7.169334	7.110913	7.059518	6.833057	6.804532
RPESP	RPESP	7.411589	7.47113	7.305621	8.941693	7.438955	6.970637	6.906798	7.25701	7.61903	7.036247	7.205962	6.882348
RPGR	RPGR	7.417313	7.641232	7.488706	7.663667	7.496607	7.539058	7.359791	7.404405	7.393624	7.34684	7.15235	7.276093
RPGRIP1	RPGRIP1	7.055914	7.098136	6.895917	6.955946	6.788881	6.842311	6.758263	6.935424	6.872243	6.871677	6.735957	6.728257
RPH3A	RPH3A	6.930099	7.16875	6.856528	7.059843	6.942733	7.159193	6.911712	7.10355	6.967616	7.007742	6.857041	6.874118
RPH3AL	RPH3AL	6.967571	7.406176	7.180804	7.303244	7.273676	7.118866	7.008017	7.087048	6.95481	7.034415	6.81124	6.917365
RPIA	RPIA	9.384492	9.795157	9.153142	9.34092	9.224463	8.774181	8.667655	8.421266	8.833728	8.488676	8.341317	8.469672
RPIB9	RPIB9	7.330585	7.422491	6.990616	7.152047	7.042193	7.477777	7.162433	7.293941	7.584127	7.192049	7.059697	7.022816
RPIP8	RPIP8	7.013015	7.384037	6.976099	6.938896	6.952562	6.885574	6.890805	6.993186	7.251627	6.900259	6.738294	6.782545
RPL10	RPL10	6.97662	7.078681	6.822585	7.000543	6.946453	6.891358	6.900838	6.997844	6.86756	6.983105	6.776259	6.882414
RPL10A	RPL10A	13.91803	14.39995	13.86369	13.93924	13.86119	13.60579	13.578	13.3494	13.76964	13.5481	13.21389	12.67549
RPL10L	RPL10L	7.278446	7.715072	7.118586	7.437506	7.164689	7.234434	7.27982	7.326886	7.204517	7.575491	7.45041	7.436841
RPL11	RPL11	14.48403	15.12282	14.53549	14.70649	14.62131	14.20197	14.28768	14.1764	14.54059	14.41793	14.0041	13.73498
RPL12	RPL12	14.49326	14.7227	13.97924	13.79387	14.0866	13.83333	13.44976	13.43352	13.63005	13.49436	13.55996	12.37837
RPL13	RPL13	9.214095	9.6443	8.749467	9.038679	9.303214	9.476213	9.308101	8.798805	9.449959	9.339805	8.917439	9.181469
RPL13A	RPL13A	12.63654	12.32492	11.56571	11.29259	11.47723	11.11586	11.20165	10.92086	11.50512	11.23703	10.88139	10.78336
RPL14	RPL14	10.31465	11.0852	10.30499	10.33603	10.32538	9.758261	9.925049	9.389875	10.09961	9.905402	9.298653	9.508928
RPL15	RPL15	13.49368	13.24579	12.90249	13.20282	13.50876	13.07653	12.68303	12.85646	13.11494	12.85475	12.98723	12.63277

RPL17	RPL17	13.78049	14.14328	13.507	13.50621	13.51969	13.35026	13.07519	13.0773	13.43066	13.16165	13.1917	12.61147
RPL18	RPL18	14.21999	14.70643	14.0354	14.23416	14.29309	13.89029	13.89286	13.7029	13.97402	13.97916	13.57653	13.32174
RPL18A	RPL18A	15.00967	15.2802	14.64205	14.72267	14.74972	14.20017	14.12575	14.02867	14.35104	14.36446	14.11144	13.88355
RPL19	RPL19	14.34652	14.72134	14.15376	14.01311	14.1871	14.16851	13.7715	13.7617	13.99929	13.9761	14.00261	13.31973
RPL21	RPL21	11.89824	12.40353	11.95165	11.71164	11.84326	11.98415	11.80765	11.70526	12.19106	12.06646	12.1629	11.69139
RPL22	RPL22	12.36915	12.25535	11.81569	11.89355	12.24965	12.1837	11.73399	11.96122	11.99477	11.61667	11.45755	10.85029
RPL23	RPL23	12.37719	13.17019	12.38198	12.50671	12.44688	11.99726	12.60555	11.6891	12.77354	12.43592	11.95567	12.06491
RPL23A	RPL23A	10.87148	11.64084	10.97396	11.14691	11.00701	10.66599	10.31053	9.877566	10.42462	10.22524	9.968453	9.932346
RPL23AP1	RPL23AP1	7.330366	7.780317	7.84129	8.079734	8.331981	8.93806	8.723911	8.77413	8.505893	8.652744	7.876524	7.941308
RPL23AP7	RPL23AP7	8.043072	8.484818	8.029829	8.22284	8.389704	9.135662	8.597434	8.456428	8.616549	8.496999	8.782841	8.257107
RPL24	RPL24	14.26781	14.69491	14.20173	14.05593	14.22995	14.20414	13.97069	13.87461	14.1516	14.12444	13.97502	13.45177
RPL26	RPL26	12.30222	12.78097	12.38842	12.06275	12.39303	12.28935	12.13116	11.97261	12.40191	12.45244	12.37817	11.56454
RPL26L1	RPL26L1	9.925195	10.44538	10.18456	10.01959	10.19915	10.98718	10.21954	10.22522	10.35496	10.2944	10.42733	9.631104
RPL27	RPL27	14.40647	14.86556	14.19358	14.32761	14.42064	14.35832	14.23186	14.25402	14.53028	14.41963	14.32179	13.81412
RPL27A	RPL27A	14.23525	14.83134	14.19384	14.03394	14.1449	13.78522	13.79585	13.63666	13.87381	13.9263	13.86194	13.16294
RPL28	RPL28	8.75218	8.36488	8.080848	8.547378	8.788827	8.426763	7.870408	7.924884	7.996233	7.852994	7.752044	7.546301
RPL29	RPL29	11.6676	11.85576	11.20169	10.57025	10.28404	10.56805	9.549327	9.681359	9.717248	9.713385	10.20533	8.98222
RPL29P2	RPL29P2	7.149527	7.355337	7.026438	7.180271	7.133714	7.414784	7.302978	7.318612	7.252859	7.070025	7.043198	7.090197
RPL3	RPL3	14.41474	14.73227	14.15371	14.42364	14.23701	14.04912	14.1495	13.9928	14.24539	14.20131	13.9864	13.89253
RPL30	RPL30	13.79557	14.33987	13.73126	13.72307	13.83182	13.69938	13.49898	13.46215	13.72746	13.74582	13.73128	12.88414
RPL31	RPL31	12.55513	13.15164	12.42166	12.71178	12.50912	12.43097	12.53653	12.35826	12.78961	12.74211	12.52495	12.23538
RPL32	RPL32	8.02654	8.119706	7.661118	7.794537	8.000292	7.731084	7.554788	7.537114	7.647506	7.567717	7.57099	7.421215
RPL32P3	RPL32P3	7.07287	7.229721	6.995969	7.347573	7.192373	7.308609	7.077274	7.239229	7.238969	7.165013	7.133758	7.045596
RPL34	RPL34	11.4774	12.12843	10.99559	10.68779	10.7663	11.10085	10.30283	10.17435	10.48898	10.29677	10.22288	9.531416
RPL35	RPL35	13.60331	14.27479	13.74295	13.75845	13.63726	13.57284	13.5649	13.20595	13.60287	13.69501	13.48506	13.19682
RPL35A	RPL35A	14.14033	14.66653	14.11571	14.20571	14.40029	14.12922	14.02858	14.03203	14.24346	14.22073	14.15771	13.272
RPL36	RPL36	11.7756	12.46242	11.66725	11.57383	11.63575	11.44303	11.27563	11.05634	11.45945	11.59749	11.66662	10.85923
RPL36A	RPL36A	8.330493	8.368146	7.661806	7.328113	7.190208	7.672307	7.244176	7.302235	7.345088	7.307999	7.320532	7.218993
RPL36AL	RPL36AL	13.26278	13.72069	12.99922	13.08273	13.14691	13.68667	13.22382	13.14396	13.37686	13.23851	13.14097	12.42421
RPL37	RPL37	8.201351	7.957859	7.607647	7.942001	8.257785	8.520242	8.076801	8.129655	8.222287	8.128057	7.790252	7.68687
RPL37A	RPL37A	12.33787	13.20233	12.50365	12.66768	12.66429	12.36482	12.78201	12.2894	12.84141	12.80976	12.60177	12.43299
RPL38	RPL38	14.67455	15.07619	14.40076	14.43765	14.72558	14.37803	14.24974	14.20253	14.51807	14.45322	14.56616	13.76002
RPL39	RPL39	13.65535	14.02688	13.62174	13.55241	13.87419	13.45097	13.27632	13.42551	13.60806	13.59391	13.89238	12.76725
RPL39L	RPL39L	11.16482	11.50608	10.54518	9.813287	9.819067	10.69583	10.35776	10.45153	10.3967	10.38716	9.846541	8.882865
RPL3L	RPL3L	6.9436	7.071463	6.839121	6.970113	6.890241	6.895471	6.914945	6.848224	6.893244	6.795976	6.74966	6.866135
RPL4	RPL4	13.61585	13.87072	13.42764	13.43842	13.30375	13.17477	12.8836	12.95356	13.14239	13.03318	12.7951	12.69

RPL41	RPL41	14.19416	14.66524	14.2073	14.42711	14.42165	14.13169	14.36787	14.30871	14.46974	14.42599	14.27967	14.00085
RPL5	RPL5	13.70987	14.20838	13.55806	13.72571	13.75003	13.43573	13.68481	13.15684	13.78685	13.51763	12.9238	13.13563
RPL6	RPL6	14.33539	14.66474	14.25414	14.38755	14.29092	14.08786	13.97277	13.94654	14.22549	13.90417	13.84921	13.51284
RPL7	RPL7	10.94817	11.61899	11.00136	10.71049	10.91308	10.74319	10.76799	10.24671	11.0845	10.5961	10.36782	10.20626
RPL7A	RPL7A	9.59842	10.26074	9.548204	9.718941	9.566204	9.539899	9.452336	9.130486	9.559159	9.511709	9.225727	9.264729
RPL7L1	RPL7L1	12.36657	13.04014	12.41177	12.81567	12.8195	12.91845	12.8362	12.36179	12.64085	12.45428	11.98778	12.55039
RPL8	RPL8	13.8639	14.25793	13.553	13.46197	13.52594	13.57818	13.32015	13.30868	13.39334	13.42375	13.40851	13.06635
RPL9	RPL9	13.31573	13.864	13.26139	13.24017	13.42914	13.27912	13.31717	13.11668	13.56773	13.46112	13.09752	12.93713
RPLP0	RPLP0	13.05678	13.39409	12.83232	12.74608	12.88447	12.66417	12.3316	12.4003	12.49887	12.3481	12.61408	11.8675
RPLP0P2	RPLP0P2	6.874062	7.11115	6.784825	7.104006	6.947501	7.034594	6.865298	6.976287	6.967194	6.969956	6.793154	6.93272
RPLP1	RPLP1	13.55589	14.29123	13.60815	13.61059	13.61874	13.20764	13.59737	13.21146	13.66354	13.73961	13.39794	13.01201
RPLP2	RPLP2	14.49403	15.10729	14.48783	14.7146	14.74288	14.28738	14.59824	14.37969	14.7126	14.70861	14.53225	14.24377
RPN1	RPN1	12.14712	12.55527	12.36181	12.53286	12.40198	12.33472	11.87549	12.0193	12.1035	11.83712	12.05032	12.03854
RPN2	RPN2	10.25418	10.83255	10.46347	10.65978	10.01868	9.43882	9.519263	9.060249	9.590916	9.192858	9.394551	9.823435
RPP14	RPP14	6.974387	7.303444	6.936019	7.02652	7.010585	7.148914	7.026206	7.003413	6.97258	7.177283	6.975151	7.051201
RPP21	RPP21	11.92102	12.5797	11.78961	11.58335	11.61046	11.70562	11.39702	11.08741	11.50431	11.24066	10.91443	11.00651
RPP25	RPP25	8.170393	8.454105	7.634944	8.363713	8.643018	8.397073	7.739576	7.649974	7.564919	7.333504	7.391949	7.022253
RPP30	RPP30	7.131026	7.262607	7.03265	7.162842	7.081559	7.195765	6.998563	6.981651	6.993153	7.100883	6.910193	6.960843
RPP38	RPP38	7.599029	7.745145	7.460476	7.484334	7.404334	7.542959	7.396871	7.397524	7.33147	7.515577	7.302593	7.302589
RPP40	RPP40	10.69959	11.34339	10.61453	10.40135	10.15694	10.46368	9.742847	9.457035	9.774421	9.364572	9.276702	9.198237
RPPH1	RPPH1	7.999324	8.490153	7.894319	8.13967	7.588913	7.710495	7.474034	7.352664	7.447016	7.447	7.242901	7.148905
RPRC1	RPRC1	11.169	11.27129	11.37831	12.02609	11.67981	12.27365	11.97886	12.01614	12.08808	12.16763	11.87051	12.34605
RPRM	RPRM	9.566572	11.66569	9.889971	9.595724	8.372398	7.599253	7.425784	6.998882	8.833112	7.598122	6.822738	7.012437
RPRML	RPRML	9.16199	8.779171	8.117557	7.50169	7.07705	7.22972	7.011832	7.050897	7.044292	7.056921	6.975732	6.999875
RPS10	RPS10	14.83798	15.26395	14.7379	14.72381	14.72322	14.36995	14.31438	14.25166	14.53861	14.53644	14.30247	13.97295
RPS11	RPS11	14.35496	14.78478	14.45108	14.45002	14.50487	14.02702	14.02858	13.85261	14.16007	14.1644	13.91799	13.30273
RPS12	RPS12	15.15418	15.54241	14.91564	14.96084	14.97152	14.23758	14.12568	14.24537	14.60571	14.43396	14.57638	13.50706
RPS13	RPS13	13.43577	14.18492	13.56595	13.33561	13.46603	13.44602	13.17854	13.10261	13.51189	13.436	13.25124	12.68307
RPS14	RPS14	13.83855	14.38993	13.90949	13.93899	14.0595	13.68297	13.56982	13.38436	13.82698	13.66637	13.32142	13.03487
RPS15	RPS15	12.54989	13.06164	12.38032	12.45591	12.26043	12.12199	11.9724	11.78415	12.19851	12.32512	12.19365	11.77815
RPS15A	RPS15A	13.61441	14.14919	13.51456	13.65519	13.72152	13.38298	13.37753	13.24686	13.66618	13.48201	13.31745	12.72654
RPS16	RPS16	14.77069	15.31858	14.75272	14.99133	15.03964	14.66691	14.81731	14.70199	15.02312	15.06863	14.67668	14.56457
RPS17	RPS17	14.06366	14.63125	14.07277	14.14234	14.10712	13.89304	13.80702	13.76515	13.98115	13.96652	13.99987	13.29978
RPS18	RPS18	13.40925	14.19846	13.57452	13.34214	13.32514	13.01596	13.00558	12.62619	13.30572	13.1046	12.73922	12.55573
RPS19	RPS19	14.16774	14.82877	14.29611	14.52356	14.33913	14.02024	14.14974	13.61473	14.14381	14.01972	13.77882	13.71785
RPS19BP1	RPS19BP1	9.386274	9.681214	9.327265	9.311186	9.184669	10.03039	9.466881	9.406748	9.477116	9.782552	9.70832	9.686813

RPS2	RPS2	14.88253	15.16108	14.53494	14.67477	14.72453	14.54339	14.19496	14.26148	14.3968	14.41996	14.45228	14.05323
RPS20	RPS20	13.99911	14.69144	14.02276	14.15919	14.1131	13.80187	13.957	13.75166	14.09702	14.09767	13.81026	13.28379
RPS21	RPS21	11.83824	12.26164	11.28959	10.54431	10.44373	10.5026	10.08239	10.09579	10.3665	10.30056	10.6326	9.330775
RPS23	RPS23	10.91383	11.25555	10.9553	11.47691	11.93375	11.83893	11.5181	11.52856	11.49372	11.52768	11.20472	10.92423
RPS24	RPS24	12.76054	13.17133	12.33912	12.3984	12.43391	12.29702	12.34845	12.17375	12.43864	12.61071	12.20592	11.99133
RPS25	RPS25	15.08488	15.33657	14.91655	14.98203	15.14683	14.86419	14.81819	14.86999	15.08152	14.9943	14.87862	14.25187
RPS26	RPS26	11.71816	12.32758	11.70226	11.48236	11.56746	11.75274	11.34306	11.23128	11.39281	11.59711	11.72067	10.7839
RPS26L	RPS26L	12.00119	12.82954	12.08972	11.87283	11.97118	11.88884	11.88843	11.32597	11.95805	11.94518	12.01026	11.42742
RPS26L1	RPS26L1	12.6749	13.41728	12.71887	12.58114	12.79043	12.78845	12.54794	12.23698	12.6436	12.74014	12.7161	12.0301
RPS27	RPS27	14.90214	15.36524	14.95611	15.12591	15.22383	14.67232	14.68371	14.5703	14.86102	14.78287	14.6409	13.85098
RPS27A	RPS27A	14.44513	14.85619	14.39808	14.47929	14.43904	14.23134	14.30888	14.22669	14.51684	14.36957	14.09775	13.80284
RPS27L	RPS27L	11.72168	12.19129	11.58037	11.53552	12.08188	13.31359	12.63054	12.5223	12.65402	12.48229	12.57172	11.93547
RPS28	RPS28	12.36535	13.45095	12.89531	12.82342	12.94415	12.12314	12.74735	11.85967	12.88102	12.54038	12.34202	12.61073
RPS29	RPS29	14.34742	14.84924	14.34283	14.48875	14.49921	14.08095	14.32537	14.09079	14.46694	14.4119	14.1912	13.70078
RPS3	RPS3	14.61029	14.84387	14.40956	14.34889	14.0869	12.55192	12.51093	12.63947	13.15619	12.68165	12.79286	12.65358
RPS3A	RPS3A	13.86309	14.44086	13.68973	14.04237	13.87485	13.59917	13.83892	13.49221	14.08569	13.9454	13.35995	13.70948
RPS4X	RPS4X	12.77616	13.29865	12.6408	12.5932	12.66325	12.52974	12.14266	12.18439	12.51368	12.33686	12.26929	11.64229
RPS4Y1	RPS4Y1	6.96914	7.243565	6.980203	7.070756	7.123835	7.18478	7.119155	7.030983	7.122263	7.258299	6.942867	7.1034
RPS4Y2	RPS4Y2	7.241746	7.637149	7.212374	7.474778	7.401672	7.682714	7.322444	7.336446	7.305813	7.44724	7.184993	7.253827
RPS5	RPS5	14.15231	14.62454	14.025	14.05488	14.07041	13.85408	13.48004	13.48212	13.78609	13.69769	13.45408	12.88684
RPS6	RPS6	14.40769	14.90599	14.33039	14.28781	14.26868	13.86616	13.76935	13.71737	14.03381	13.9417	13.89318	13.59402
RPS6KA1	RPS6KA1	7.945221	8.101995	7.469739	7.744974	7.388874	7.518366	7.184958	7.154352	7.05111	7.074398	6.960903	7.002304
RPS6KA2	RPS6KA2	7.608218	7.901126	7.436336	7.86906	8.352294	8.916096	8.79164	8.91795	8.689208	8.803344	8.801012	8.792727
RPS6KA3	RPS6KA3	7.02889	7.390215	7.039691	7.592313	7.43485	7.518498	7.286906	7.373223	7.319325	7.361412	7.332461	7.353794
RPS6KA4	RPS6KA4	7.289132	7.596476	7.161871	7.835889	8.114656	7.811012	7.667188	7.680506	7.645191	7.846916	7.969173	7.669363
RPS6KA5	RPS6KA5	7.152592	7.38442	7.275406	7.714321	7.899912	7.818126	7.421984	7.369881	7.44006	7.248818	7.007372	7.027253
RPS6KA6	RPS6KA6	7.302766	7.642482	7.26845	7.342972	7.121628	7.099381	7.131811	7.150097	6.979612	7.236573	7.092553	7.039509
RPS6KB1	RPS6KB1	9.95235	10.14943	9.583876	10.46047	10.31101	10.44748	9.900174	9.728877	9.986382	9.571879	9.26558	9.423342
RPS6KB2	RPS6KB2	10.20339	10.50606	10.01888	10.44266	10.42576	10.62756	10.37423	10.22788	10.32518	10.34321	9.899867	10.40466
RPS6KC1	RPS6KC1	7.733728	8.372729	8.021921	8.321927	8.086884	8.399254	8.01629	8.097704	8.069547	8.017819	8.065439	7.869557
RPS6KL1	RPS6KL1	7.322488	7.52727	7.192465	7.360171	7.296446	7.512227	7.339502	7.394911	7.31617	7.34084	7.025963	7.225379
RPS7	RPS7	10.76302	11.516	10.4978	9.761714	9.540879	10.37065	9.010188	9.012392	9.361834	9.214998	9.509582	8.760629
RPS9	RPS9	13.42819	13.8496	13.08245	13.21246	13.43725	13.1627	12.93909	12.81631	13.10472	13.03234	12.7087	12.08903
RPSA	RPSA	14.27642	14.47895	13.99681	13.92668	13.89681	13.61247	13.3988	13.4886	13.6389	13.40067	13.45496	12.88426
RPTN	RPTN	6.808811	7.173122	6.922158	7.080656	6.950368	7.039862	7.04487	6.958257	6.95652	7.045019	6.822762	6.824989
RPUSD1	RPUSD1	8.262678	8.442029	7.932951	8.298083	7.903789	7.620704	7.597365	7.669941	7.456288	7.626372	7.905444	7.506849

RPUSD2	RPUSD2	10.77726	11.06667	10.2513	10.04315	10.12817	10.42519	9.953704	9.843009	9.812632	9.719628	9.444361	9.499854
RPUSD3	RPUSD3	10.07941	9.952936	9.292229	9.395239	9.449154	10.35265	9.913859	10.12451	9.66727	10.03242	9.751731	9.404079
RPUSD4	RPUSD4	11.54027	11.62358	11.06341	10.93362	10.87308	10.43104	10.15104	10.09984	10.28834	10.02963	9.766816	9.740479
RQCD1	RQCD1	9.028424	9.562151	8.981332	9.204149	9.182426	9.509141	9.185528	9.491207	9.440128	9.538034	9.606316	9.387402
RRAD	RRAD	6.785397	7.058186	6.792382	7.106512	7.691594	10.22076	9.303218	9.383166	9.579753	10.01558	10.10712	10.37612
RRAGA	RRAGA	11.09297	11.31418	11.1662	11.55526	11.59383	12.6098	12.17458	12.50183	12.25965	12.47375	12.72454	12.17497
RRAGB	RRAGB	7.753819	8.053523	8.290832	8.654403	9.049815	9.607848	9.108806	9.059452	9.178717	8.990321	8.717561	9.099397
RRAGC	RRAGC	8.506896	9.102022	8.416043	8.506238	8.644549	9.403726	8.441371	8.528326	8.615508	8.3368	8.60905	8.942225
RRAGD	RRAGD	9.750912	9.618271	7.815968	8.873126	9.873379	11.83728	11.40466	11.42708	11.37104	11.37961	11.05431	11.88518
RRAS	RRAS	8.792356	8.809825	8.058971	8.612189	8.952425	10.18621	10.8708	11.16812	11.10281	11.48721	11.77386	10.80496
RRAS2	RRAS2	10.89336	11.26551	10.16876	9.761998	9.260113	9.785474	9.076185	9.252368	9.113581	9.007113	9.655966	9.145083
RRBP1	RRBP1	9.709447	9.897023	9.823955	10.06481	10.03932	9.070731	8.885765	8.794916	9.330206	8.826548	9.622799	9.10498
RREB1	RREB1	7.116223	7.272372	7.03672	7.348055	7.193415	7.326441	7.074664	7.141997	7.050505	7.079076	6.976771	7.014592
RRH	RRH	6.840668	7.113137	6.817773	6.988591	6.892562	6.892116	6.967269	6.994763	6.967608	6.910084	6.762094	6.848874
RRM1	RRM1	12.19596	12.25365	12.15681	12.24188	11.7436	12.09581	11.52805	11.7184	11.4935	11.52135	11.09254	10.90889
RRM2	RRM2	8.976915	9.464857	8.968839	8.9244	8.06601	7.904801	7.686408	7.863488	7.482691	7.705221	7.560719	7.371317
RRM2B	RRM2B	8.495524	7.958543	7.774085	8.064182	7.928624	8.746107	7.97851	8.10085	8.022336	7.983939	8.388229	8.900872
RRN3	RRN3	7.907346	8.41735	7.755073	8.050315	7.851879	8.422777	7.837001	7.699541	7.79666	7.677107	7.649686	7.772308
RRP22	RRP22	7.355123	7.744697	7.62386	7.343167	7.236548	7.595637	7.520337	7.587664	7.529181	7.308768	7.008114	7.051413
RRS1	RRS1	9.965891	10.61333	9.337823	9.039073	8.630393	9.397078	8.383033	8.51447	8.395442	8.386611	8.697771	8.42607
RS1	RS1	6.905527	7.010952	6.862272	7.074039	6.995117	7.058133	6.918439	6.949059	6.926917	6.945712	6.800637	6.924221
RSAD1	RSAD1	7.902272	8.060873	7.599631	7.516795	7.751062	8.239925	7.892513	7.922526	8.013371	8.069069	7.979473	8.209387
RSAD2	RSAD2	6.96672	7.082034	6.867796	6.980065	7.079301	7.154729	6.961907	7.004065	6.925988	7.107583	6.903981	6.912102
RSAFD1	RSAFD1	8.299152	8.724809	8.185452	8.465093	8.139214	8.390081	8.172823	8.359124	8.185296	8.196027	8.161457	8.049427
RSBN1	RSBN1	9.581188	9.299578	9.271354	9.757597	9.880926	9.71217	9.20226	9.190566	9.471128	8.949787	8.793809	9.152016
RSBN1L	RSBN1L	8.091572	8.603	8.127491	8.595853	8.523333	8.831423	8.424249	8.514303	8.54608	8.369218	7.809959	8.084616
RSC1A1	RSC1A1	7.596654	8.033857	7.649591	7.968581	7.529372	7.913841	7.438105	7.580711	7.362512	7.442051	7.426611	7.526389
RSHL1	RSHL1	6.925759	7.091814	6.924577	6.996023	6.991368	7.091631	7.063265	7.113554	7.116462	7.097174	6.936287	7.056051
RSHL2	RSHL2	7.330704	7.629656	7.55852	8.059535	8.326349	8.864303	8.517399	8.575259	8.460775	8.706628	8.213695	8.368315
RSHL3	RSHL3	7.153506	7.355736	7.168265	7.33	7.233904	7.32867	7.079514	7.14101	7.079845	7.091376	6.837365	6.921704
RSL1D1	RSL1D1	11.55022	11.65063	10.89138	10.96887	10.76704	10.94791	10.05641	10.15762	10.29469	10.41958	10.36439	10.39895
RSN	RSN	6.972768	7.162697	6.912223	7.188833	7.208055	8.001668	7.632726	7.579279	7.692291	7.482684	7.024083	7.799189
RSNL2	RSNL2	6.998962	7.17882	6.990047	7.809056	7.942794	8.372495	8.275702	8.933684	8.543302	9.133307	9.302105	9.179642
RSPO1	RSPO1	6.873949	7.033556	6.792652	7.280347	8.321667	6.951992	6.823105	6.91341	7.055208	6.823594	6.701951	6.938236
RSPO2	RSPO2	7.069923	7.185591	6.926475	8.719737	9.193518	8.927345	7.679373	7.204064	7.167972	7.124262	6.928057	6.99392
RSPO3	RSPO3	7.417658	7.70628	9.167169	9.886873	10.11957	11.89867	10.89505	10.63634	10.46223	9.60265	8.47871	8.568682

RSPO4	RSPO4	7.014837	7.0497	6.830838	7.128791	6.986856	7.13446	6.849181	6.904958	6.927105	6.842009	6.782603	6.936899
RSPRY1	RSPRY1	10.66199	11.19191	10.6342	11.67827	11.95174	11.67148	10.73722	10.9123	10.79782	10.56214	10.5887	10.76709
RSRC1	RSRC1	8.321406	8.738003	8.709135	8.467017	8.364837	8.696929	8.217945	8.475386	8.4719	8.532859	8.60855	8.272097
RSRC2	RSRC2	9.807683	10.17525	9.714099	10.16888	9.786928	10.2977	9.870377	9.701867	10.10568	9.745195	9.324466	9.450137
RSU1	RSU1	8.805084	9.337151	8.531558	8.590868	8.238765	9.187145	9.034053	8.949135	8.995134	9.041041	8.781098	8.728195
RTBDN	RTBDN	6.871473	7.06935	6.853835	6.988929	6.89544	6.99953	6.901257	6.939703	6.872805	6.831585	6.749874	6.8312
RTCD1	RTCD1	9.362377	10.10983	9.320576	9.155776	9.144752	10.09704	9.798209	9.733323	9.843614	9.941911	10.06258	9.725562
RTDR1	RTDR1	6.796296	6.923282	6.655287	7.027592	6.902077	6.972007	6.839079	6.961653	7.014347	7.024494	6.736801	6.706743
RTEL1	RTEL1	7.038813	7.254035	6.98449	7.160367	7.031698	7.088853	7.017089	7.014096	6.998905	7.085249	6.855666	6.938507
RTF1	RTF1	7.521554	7.657208	7.367404	7.590031	7.513843	7.356743	7.371033	7.373865	7.276736	7.528793	7.325165	7.338724
RTKN	RTKN	8.981917	9.231522	8.779647	8.935387	8.882714	9.218052	8.818085	8.644428	8.661761	8.466155	8.108585	8.334994
RTN1	RTN1	7.447873	7.420724	7.42765	7.369025	7.192121	7.444696	7.132724	7.262667	9.00933	7.105846	7.088614	6.982997
RTN2	RTN2	7.846282	8.355252	7.875639	8.133628	8.078235	8.501824	8.230816	8.093521	8.165203	8.137597	7.74711	7.497433
RTN3	RTN3	9.423444	9.389224	8.49241	8.774443	8.65221	9.099724	9.017097	9.142474	9.165458	9.360053	9.170822	9.208825
RTN4	RTN4	10.77449	11.4459	10.75016	10.90949	10.81164	11.57479	11.19524	11.37768	11.44176	11.3466	11.62963	11.28399
RTN4IP1	RTN4IP1	9.769369	9.92793	8.614169	8.63485	8.381206	9.589305	9.063146	9.065807	9.035156	9.095381	8.713768	8.932498
RTN4R	RTN4R	8.389487	8.316113	7.46979	7.274049	7.412857	7.528312	7.334191	7.261464	7.351048	7.422978	7.00325	7.097048
RTN4RL1	RTN4RL1	6.999274	7.179575	6.947363	7.088289	7.173141	7.306421	7.24877	7.183452	7.171243	7.287912	6.931252	7.003772
RTN4RL2	RTN4RL2	6.984187	7.167913	6.934846	7.025013	6.993008	6.909364	6.897219	7.023092	6.936193	7.013477	6.848753	6.887471
RTP1	RTP1	6.928571	7.155301	6.812507	7.123527	6.940386	7.111559	6.869323	7.010792	6.978677	7.054578	6.874239	6.933782
RTP2	RTP2	7.106888	7.196701	6.896849	7.211729	7.008609	7.176129	6.998649	7.074153	7.014931	6.980387	6.852412	6.861162
RTP3	RTP3	6.864774	7.125746	6.761714	6.937137	6.882879	6.907217	6.893385	6.965106	6.758661	6.871985	6.671612	6.702664
RTP4	RTP4	7.049172	7.203254	6.876916	7.212342	7.09644	7.095005	7.117235	7.107974	7.072112	7.127735	7.033445	6.984488
RTTN	RTTN	9.933243	10.14076	10.05723	10.14187	9.959864	9.520607	9.371638	9.335283	9.192607	9.131826	8.656017	8.950204
RUFY1	RUFY1	7.539308	8.078818	7.824592	7.953285	7.799821	7.940643	7.705118	7.766446	7.611724	7.62799	7.61356	7.638121
RUFY2	RUFY2	7.159774	7.402076	7.20469	7.407698	7.320002	7.473562	7.320329	7.217883	7.327488	7.336805	7.146635	7.219045
RUFY3	RUFY3	7.559912	7.768168	7.665957	8.074507	7.797599	7.983186	7.810333	7.615471	8.377318	7.755846	7.421212	7.779817
RUNDC1	RUNDC1	8.63607	9.093386	8.445528	9.047944	9.020666	9.458594	9.105381	9.227541	9.021082	9.066535	9.120117	9.069921
RUNDC2A	RUNDC2A	6.908609	7.077351	6.739574	7.100417	6.980097	6.963326	6.879084	6.96815	6.990084	7.030505	6.7185	6.79801
RUNX1	RUNX1	6.84295	7.088508	7.10569	7.203122	7.057594	7.058211	7.162963	7.31609	7.495043	7.351839	7.548364	7.769294
RUNX1T1	RUNX1T1	7.23147	7.382834	7.202584	7.892916	8.005051	7.936224	7.78065	7.837128	7.712901	7.618229	7.307949	7.406967
RUNX2	RUNX2	6.889813	7.059377	6.844541	7.114667	7.137678	7.003462	6.931364	6.962098	6.972478	6.970643	6.912961	7.066172
RUNX3	RUNX3	7.095139	7.195766	7.327076	7.130195	6.88265	7.269034	6.805766	6.956171	6.958564	6.974718	7.026214	7.017727
RUSC1	RUSC1	11.43504	11.44588	11.20894	10.89397	10.2679	10.35456	10.04704	10.22497	10.29494	10.0822	10.17909	9.85034
RUSC2	RUSC2	6.996503	7.109246	6.990822	7.291465	7.209594	7.231731	7.407572	7.340072	7.492292	7.689874	7.652093	7.41536
RUTBC1	RUTBC1	10.97359	11.65434	10.884	11.65714	11.77552	11.65832	11.32578	11.36501	11.29393	11.13825	10.50313	10.3197

RUTBC2	RUTBC2	7.683589	7.576021	6.996293	7.158319	7.129899	7.071166	6.981782	7.023903	7.222679	7.247395	7.110898	7.419069
RUTBC3	RUTBC3	7.46984	7.76245	7.47247	7.732987	7.57938	7.834727	7.841362	7.808189	7.680403	7.900006	7.648734	7.658044
RUVBL1	RUVBL1	10.01441	10.12258	9.598771	9.546942	9.039846	9.577139	8.975492	9.136382	8.828335	9.01415	8.83079	8.582119
RUVBL2	RUVBL2	9.719219	9.736882	9.01128	9.248309	9.082863	9.499681	9.055347	9.32087	9.141198	9.352838	9.170325	9.195508
RW1	RW1	9.391608	9.835454	9.826721	9.949173	10.14909	10.29172	9.548548	9.892811	9.604872	9.665877	9.978613	9.622905
RWDD1	RWDD1	10.71522	10.97689	10.68532	10.88388	11.00694	11.56178	11.17517	11.37244	11.34229	11.4048	11.30295	10.66927
RWDD2	RWDD2	8.742251	8.82477	8.452458	9.325014	9.506349	10.34017	9.71793	9.929417	9.739453	9.699202	9.637698	9.375994
RWDD3	RWDD3	7.971678	8.185908	7.816266	7.944297	8.318807	9.255613	8.441442	8.631433	8.666683	8.540081	8.328248	8.076725
RWDD4A	RWDD4A	9.941865	9.919467	9.667288	10.06993	9.971556	10.98462	10.38647	10.37277	10.31171	10.14135	9.848933	9.753663
RXRA	RXRA	9.519108	9.678318	9.439318	10.35496	10.1287	9.420154	9.189504	9.202808	9.354279	8.973591	8.907443	8.761992
RXRB	RXRB	8.292883	8.655018	7.989024	8.717538	9.119652	9.656751	9.445243	9.056701	9.381082	9.364605	8.435684	9.266778
RXRG	RXRG	6.90842	7.114946	7.27011	7.232141	7.869322	8.84215	8.369388	7.767846	7.457058	7.292432	6.936512	7.010187
RY1	RY1	9.678161	10.27932	10.16324	10.28007	10.40249	11.14578	10.51783	10.48578	10.78178	10.60728	10.52451	10.15374
RYBP	RYBP	11.35993	11.48156	11.48186	11.366	11.31769	11.52439	10.58358	10.7049	10.67596	10.27951	10.02689	10.3111
RYK	RYK	10.09063	10.29601	10.46582	10.83243	11.04541	10.87423	10.48856	10.54602	10.44375	10.29417	9.942128	10.01036
RYR1	RYR1	7.46077	7.501552	6.920496	7.033947	6.914412	7.080815	7.002059	6.98993	7.508839	7.409806	6.862919	6.995565
RYR2	RYR2	7.176905	7.504564	7.024389	8.315458	8.567188	9.953022	9.840784	10.0086	9.215786	9.770752	8.42816	9.513519
RYR3	RYR3	7.061424	7.503359	7.581083	7.934382	7.25265	7.609883	7.565871	7.796083	7.948488	7.900821	8.041638	7.686049
S100A1	S100A1	7.160365	7.196023	6.941932	7.285749	7.05903	7.222922	7.116455	7.174805	7.005851	7.016659	6.890822	7.104982
S100A10	S100A10	11.80007	12.77719	12.37895	13.44473	13.37354	11.25654	10.8799	11.26241	11.79807	11.47113	13.24519	11.6744
S100A11	S100A11	9.545946	10.10137	10.04692	10.73745	9.581471	9.06735	9.257333	8.998699	9.700083	9.268652	10.35703	9.158178
S100A12	S100A12	6.955233	6.89167	6.799858	6.938375	6.820588	6.772998	6.766857	6.855807	6.836997	6.856785	6.769316	6.678648
S100A13	S100A13	8.236268	8.924781	8.843468	9.720562	8.942324	9.059364	9.036062	8.775415	9.150793	9.338183	9.034003	8.989608
S100A14	S100A14	6.914898	7.191628	6.96596	7.341573	7.131402	7.060882	6.992278	7.034643	7.091797	7.107482	6.955208	7.004799
S100A16	S100A16	7.93794	8.182805	8.084825	8.599327	8.657771	9.784897	9.559561	9.862711	9.786632	10.18776	10.81585	10.13587
S100A2	S100A2	7.48049	7.855958	7.408682	7.60291	7.43558	7.753656	7.65074	7.432509	7.562275	7.534138	7.376925	7.585371
S100A3	S100A3	6.837016	7.138504	7.611437	7.7331	7.159835	7.168881	7.038354	7.074833	7.266766	7.203694	7.813728	7.555025
S100A4	S100A4	9.189764	8.850207	8.852309	9.515308	9.118671	9.948427	10.05902	10.07158	9.613533	9.872071	10.18647	8.892069
S100A5	S100A5	7.00858	7.201381	6.886318	7.00587	6.979423	7.107096	7.08304	6.977828	7.032471	7.005567	6.903907	6.857049
S100A6	S100A6	8.039692	9.340645	8.455789	8.984454	8.473822	8.429335	8.992838	8.782028	9.169299	9.434646	10.82825	10.08391
S100A7	S100A7	6.788214	6.98575	6.813767	6.97981	6.849945	6.696708	6.728	6.821758	6.87096	6.771858	6.715129	6.705238
S100A7L1	S100A7L1	6.841249	6.959767	6.758601	6.945325	6.786516	6.889059	6.726297	6.850667	6.733889	6.956739	6.698161	6.7814
S100A7L2	S100A7L2	7.539286	7.600162	7.407267	7.509534	7.39665	7.843093	7.616044	7.489935	7.591947	7.67946	7.364589	7.589056
S100A8	S100A8	6.858518	6.917688	6.717887	6.942708	6.81976	7.063602	7.130227	7.331768	9.710401	7.359055	7.129476	6.857473
S100A9	S100A9	6.798028	7.017294	6.84632	7.073612	6.881193	7.047485	6.857802	6.948032	7.100946	7.100327	6.721671	6.787206
S100B	S100B	6.861	7.040747	6.751279	6.984214	6.877612	7.141633	6.815737	6.860668	6.876183	6.854444	6.732419	6.796249

S100G	S100G	6.877977	7.0191	6.726925	6.945713	6.845688	6.818169	6.75239	6.894649	6.851286	6.808866	6.630504	6.708024
S100P	S100P	6.972707	6.865965	6.775189	6.886306	6.821884	6.933647	6.786176	6.877625	6.897734	6.9252	6.741047	6.69663
S100PBP	S100PBP	8.508801	8.898048	8.072727	8.470099	8.336023	8.818024	8.808599	8.544394	8.546321	8.342709	7.979943	8.106576
S100Z	S100Z	6.841327	7.042807	6.990886	7.069933	7.059762	6.966258	6.942866	7.031371	6.951812	7.00886	6.756829	6.84215
SAA1	SAA1	6.900877	7.212276	6.854396	7.02534	7.023164	7.356736	7.038287	7.042122	6.980619	6.985571	6.772281	6.908799
SAA2	SAA2	6.8875	6.989811	6.776484	7.076083	6.99703	7.075819	6.980154	6.893233	6.969587	7.010488	6.812371	6.831106
SAA4	SAA4	6.791457	7.096987	6.814296	6.974479	7.133262	7.329602	7.111609	7.07944	7.020792	7.108298	6.794733	6.849845
SAAL1	SAAL1	11.08928	11.1013	10.46114	10.55308	10.32833	10.16296	9.343059	9.412159	9.458396	9.341297	9.226916	8.895777
SAC	SAC	6.870013	7.033161	6.903733	7.061926	6.941243	6.996607	6.830713	6.957561	6.897549	6.954538	6.828172	6.98632
SAC3D1	SAC3D1	8.962162	9.126535	8.423205	8.834046	9.011756	9.275609	8.67748	8.870737	8.532611	8.601026	8.835363	8.399063
SACM1L	SACM1L	10.19565	10.38275	9.644804	10.25224	9.889114	10.14538	9.820604	9.383198	10.00478	9.538969	9.20875	9.589963
SACS	SACS	8.343834	9.111017	8.118494	8.359133	8.180046	8.49422	8.425821	8.332036	8.584422	8.299702	8.650889	8.453433
SAE1	SAE1	13.6529	13.94253	13.27428	13.41863	13.27031	13.46038	12.89243	12.95602	12.89129	12.7288	12.52871	12.30022
SAFB	SAFB	10.7441	10.96255	10.53571	10.64206	10.37396	10.28767	9.981104	9.899896	9.990422	9.829456	9.519509	9.80982
SAFB2	SAFB2	9.205682	9.65206	8.836537	8.989273	8.937498	9.436197	8.925242	9.128257	8.841124	9.017184	8.949457	8.572902
SAG	SAG	6.913818	7.023281	6.848706	6.98405	6.920536	6.896743	6.889126	6.842224	6.768545	6.919319	6.709177	6.762176
SAGE1	SAGE1	6.820892	6.994027	6.806661	6.980703	6.88849	7.09232	6.789749	6.943579	6.788934	6.878898	6.760585	6.821546
SALF	SALF	6.860983	7.139269	6.958282	7.067618	7.022193	7.081451	7.000534	7.072288	6.958503	6.996661	6.848083	6.887861
SALL1	SALL1	7.304854	7.796348	7.815284	7.60766	7.016152	7.05223	6.88249	6.958736	6.908177	6.861379	6.752206	7.012388
SALL2	SALL2	11.89356	11.80825	10.34882	10.00279	9.648711	9.090009	8.795002	8.868734	8.653734	8.536213	8.282832	8.039187
SALL3	SALL3	8.593185	9.727451	8.552104	8.551386	8.302268	8.377491	8.21409	8.102013	8.146086	8.28369	7.985477	8.124398
SALL4	SALL4	12.31783	12.6851	11.91758	11.88107	10.46083	8.479241	7.683047	7.305206	7.191523	7.059731	6.835707	6.77607
SAMD1	SAMD1	7.721336	8.026283	7.768514	7.816	7.556026	7.729295	7.616125	7.552238	7.560355	7.476019	7.449542	7.351524
SAMD10	SAMD10	6.942587	7.149274	6.900703	7.047638	7.032022	7.072426	6.88244	7.028539	7.046745	7.102823	6.971606	6.923693
SAMD11	SAMD11	7.013541	7.311031	7.671968	7.571591	7.384993	7.491121	7.394563	7.346931	7.478924	7.257862	7.159121	7.190026
SAMD12	SAMD12	6.80222	7.034731	6.677281	6.982069	6.844553	7.015331	6.845275	6.932704	6.771928	6.892253	6.807146	6.661224
SAMD13	SAMD13	7.200019	7.272157	7.060569	7.196378	7.008723	7.212531	7.216226	7.247887	7.281415	7.152898	6.940069	7.134001
SAMD14	SAMD14	7.419478	7.722858	7.624811	7.543048	7.337745	7.239155	7.164934	7.306091	7.504126	7.184478	7.308507	7.302697
SAMD3	SAMD3	7.186294	7.268761	9.559846	7.49852	7.226258	7.060719	6.867817	6.968927	6.933302	6.965733	6.991441	7.075881
SAMD4A	SAMD4A	6.873691	7.358685	6.759517	7.351973	7.094922	7.266851	7.27011	7.572864	7.703011	8.258499	8.01899	7.737569
SAMD4B	SAMD4B	8.333788	8.373078	7.919879	8.191108	8.03811	8.022475	7.787072	7.801401	7.589731	7.71383	7.791372	7.880563
SAMD6	SAMD6	7.123954	7.249303	6.990153	7.15669	7.196711	7.017203	7.069472	7.095905	7.064737	7.065085	6.954309	6.908925
SAMD7	SAMD7	7.205823	7.4048	7.066039	7.318501	7.306502	7.433136	7.118524	7.212732	7.110797	7.162526	7.055616	6.924721
SAMD8	SAMD8	7.089385	7.444964	7.122188	7.326556	7.207104	7.346173	7.228035	7.191438	7.254654	7.355713	7.353662	7.556616
SAMD9	SAMD9	6.92608	7.235967	6.791343	6.921999	7.09207	6.982118	6.950446	7.055324	7.081096	7.206903	7.73181	7.669955
SAMD9L	SAMD9L	6.759014	6.951154	6.72739	6.930149	6.731194	6.833774	6.746701	7.008954	6.88165	6.936055	6.835998	6.889576

SAMHD1	SAMHD1	7.116575	7.249055	6.8981	7.134017	7.08218	7.074054	7.11405	7.089699	6.940013	7.048322	6.987985	7.011416
SAMM50	SAMM50	11.10139	11.32611	10.96903	11.10348	11.00078	11.70967	10.78897	10.88982	10.67582	10.83307	10.75158	10.88958
SAMSN1	SAMSN1	6.955463	6.98768	6.804475	7.093595	6.987504	6.993507	6.867008	6.944936	6.935708	6.885596	6.774595	6.913216
SAP130	SAP130	9.901692	10.03837	9.448532	9.840691	9.377826	9.682802	9.067551	9.060289	8.924231	8.874064	8.733334	8.669995
SAP18	SAP18	8.350884	8.37857	7.793326	8.163984	8.930932	10.18338	9.66848	9.860171	9.600558	9.739244	9.345513	9.231443
SAP30	SAP30	10.19633	10.58338	9.731511	9.808425	10.23899	10.71718	10.56957	10.37699	10.83994	10.59993	9.935899	10.36757
SAP30BP	SAP30BP	7.715969	8.104193	7.736504	7.95955	7.731241	7.731492	7.669874	7.788905	7.925944	7.630392	7.600365	7.566901
SAPS1	SAPS1	7.768154	7.808024	7.433405	7.727812	7.604812	7.89408	7.782207	7.856864	7.523753	7.796644	7.720858	7.670518
SAPS2	SAPS2	7.302039	7.872523	7.603568	8.097125	8.31966	9.039088	8.87761	8.823293	8.831424	8.747064	7.851236	7.892068
SAPS3	SAPS3	10.04438	10.30581	9.974704	10.38234	9.611628	10.0947	9.439289	9.514171	9.201963	9.178771	9.093674	9.40212
SAR1A	SAR1A	9.980859	10.4957	10.12343	10.64122	10.21518	10.39004	10.57054	10.06351	10.48256	10.22322	9.647119	10.12686
SAR1B	SAR1B	8.531853	9.23207	8.400097	8.900547	9.069747	10.50204	10.01789	10.12527	10.25771	10.27244	10.30302	9.996658
SARDH	SARDH	6.908322	7.00939	6.900885	7.005525	6.983665	7.073839	6.822369	7.006544	6.942652	6.968212	6.752224	6.712471
SARM1	SARM1	7.13624	7.255138	7.048671	8.143136	8.414259	7.885539	7.647749	7.742768	7.583598	7.468767	7.381483	7.414793
SARS	SARS	9.307046	10.23167	9.203094	9.724398	9.448732	9.996213	9.654794	9.65561	9.939502	9.884832	9.832514	10.21192
SARS2	SARS2	9.156345	9.457933	8.818461	8.739953	8.568093	8.603035	8.179825	8.156469	8.242168	8.207811	8.041009	7.838005
SART1	SART1	6.978725	7.275201	7.005575	7.106764	7.115708	7.00865	6.938673	7.031058	7.047375	7.153166	6.946451	6.999097
SART2	SART2	9.372931	9.330219	9.154659	8.859468	9.360719	9.045129	8.391773	8.517529	8.439967	8.273831	8.461565	8.264115
SART3	SART3	7.524342	7.99912	7.32529	7.828037	7.445464	7.477875	7.413167	7.403425	7.321906	7.460972	7.199465	7.210355
SAS10	SAS10	9.040922	9.510577	8.814696	8.668882	8.509957	8.798936	8.670459	8.427861	8.684627	8.499768	8.620044	8.593191
SASH1	SASH1	9.178262	9.362023	9.445029	9.097794	8.506001	8.323007	8.105833	8.242362	8.547839	8.191004	8.894993	8.840063
SASS6	SASS6	7.628694	8.044065	7.574534	7.886278	7.610511	7.456803	7.414031	7.306598	7.347085	7.292973	7.028157	7.246519
SAS-ZFAT	SAS-ZFAT	6.843428	7.000904	6.772749	6.97751	6.858154	6.853029	6.797175	6.957442	6.796492	6.861196	6.725544	6.793649
SAT	SAT	10.45074	11.32506	11.80742	11.20896	10.94432	11.98661	11.93203	12.20298	12.51204	12.58157	12.99946	12.59849
SAT2	SAT2	9.186038	9.648414	9.076957	9.384503	9.866805	10.23417	10.15048	9.960681	10.26268	10.28061	9.87857	9.860813
SATB1	SATB1	7.09116	7.296044	7.029831	7.139908	7.058583	7.226173	7.055655	7.036861	7.001247	7.208773	6.916064	7.126079
SATB2	SATB2	7.540391	7.318427	7.456141	8.520718	7.812334	7.351163	7.19063	7.140731	7.24128	7.191222	7.222191	7.276163
SATL1	SATL1	6.866933	7.082876	6.963758	7.145298	7.116398	7.519624	7.232663	7.219589	7.210816	7.227326	6.842689	7.07566
SAV1	SAV1	8.868685	8.841025	8.077339	8.00792	7.985753	7.816539	7.887591	7.773715	7.957764	7.875308	7.775238	8.133593
SBDS	SBDS	8.625471	9.429896	8.900111	9.407985	9.456152	10.61107	10.43025	10.04343	10.46435	10.39982	10.31955	10.7131
SBDSP	SBDSP	8.123108	8.622306	8.130959	8.40157	8.609831	10.02405	9.118608	9.460228	9.436399	9.481141	9.750335	9.540676
SBEM	SBEM	6.91158	7.217381	6.866815	7.206619	6.980858	7.062179	7.038705	6.960681	6.850764	7.011849	6.852732	6.894389
SBF1	SBF1	9.026845	9.08216	8.452865	9.079557	9.222743	9.209493	8.972003	9.020742	9.07885	9.202876	9.346448	9.236661
SBF2	SBF2	7.565346	7.867781	7.251481	7.613151	7.5168	7.845154	7.644368	7.706059	7.530916	7.562892	7.521586	7.633055
SBK1	SBK1	10.46893	10.49696	9.302553	9.361761	8.986042	8.297623	7.98288	7.727058	8.739475	7.551753	7.240452	7.33468
SBNO1	SBNO1	7.263199	7.869431	7.359532	7.461814	7.306843	7.528393	7.25606	7.175167	7.200697	7.30543	7.109152	7.268968

SBP1	SBP1	7.096526	7.34151	7.00853	7.398919	7.255856	7.450797	7.318363	7.278912	7.120929	7.195103	7.013712	7.192672
SBSN	SBSN	6.824328	6.984534	6.752472	7.059607	6.916183	6.968351	6.837471	6.903002	6.885529	6.903264	6.835085	6.88132
SC4MOL	SC4MOL	10.16062	10.0703	9.516024	9.965743	9.784589	9.97154	9.799406	9.859203	10.23864	9.872796	10.05536	9.509217
SC5DL	SC5DL	9.117158	9.383974	9.380912	10.47143	10.0314	10.29046	10.04941	10.3984	10.28656	10.07649	10.05226	9.764601
SC65	SC65	8.550039	8.769334	8.59865	9.390365	9.617001	9.407859	9.243521	9.275797	9.268852	9.215877	9.756054	9.039985
SCAMP1	SCAMP1	10.66547	10.63917	10.37323	10.76873	10.92492	11.77913	11.10914	11.16983	11.26515	10.84613	10.41558	10.61544
SCAMP2	SCAMP2	7.410932	7.54948	7.338541	7.751305	7.77345	7.876092	7.849216	7.970326	7.862998	7.944479	8.051807	7.888983
SCAMP3	SCAMP3	9.092818	9.028028	8.942651	9.212118	9.162409	9.584714	9.436541	9.733997	9.636036	9.847813	9.875606	9.92991
SCAMP4	SCAMP4	7.379343	7.734857	7.211513	7.541603	7.450281	7.464027	7.400094	7.478371	7.331308	7.376466	7.498063	7.2633
SCAMP5	SCAMP5	8.832425	9.019086	7.907496	7.968246	7.921664	8.109474	7.812871	8.004368	7.904353	7.723557	7.721953	7.706696
SCAND1	SCAND1	9.107366	9.620819	8.881607	9.203271	9.266692	9.972195	9.319151	9.414234	9.314289	9.686324	9.687036	9.240854
SCAND2	SCAND2	7.051916	7.258238	6.933706	7.204607	7.279884	7.244052	7.139655	7.166438	7.136638	7.126861	7.000554	7.226794
SCAP	SCAP	11.11054	11.28249	10.35798	10.7331	10.62443	10.35599	10.25357	10.04336	10.24344	10.23608	9.652494	10.3021
SCAP1	SCAP1	6.8961	7.182685	6.891717	7.458127	7.106474	7.030798	6.962084	6.987438	6.912426	6.932309	6.871998	6.887178
SCAP2	SCAP2	7.426978	8.062777	7.686474	8.35097	8.093162	8.155074	7.730061	7.747727	8.17217	7.796919	7.844315	7.817144
SCARA3	SCARA3	7.231609	7.297408	7.192436	7.749659	7.536545	7.193369	7.210116	7.347633	7.284041	7.474844	7.591924	7.486855
SCARA5	SCARA5	6.799954	7.011087	6.814218	6.944309	6.863571	6.951984	6.91161	6.921217	6.989644	6.94732	6.855709	6.748771
SCARB1	SCARB1	8.536281	8.374998	7.700507	7.932835	7.941257	8.424754	8.19849	8.329526	8.115482	8.339978	8.347768	8.109033
SCARB2	SCARB2	11.16713	11.00505	10.75595	11.51457	11.62637	11.91441	11.84803	12.16001	12.00997	11.87666	11.92045	11.75958
SCARF1	SCARF1	6.929983	7.137483	6.849383	7.064485	6.993715	6.974027	6.927145	6.969885	6.897245	6.923059	6.853532	6.939347
SCARF2	SCARF2	7.073609	7.159909	7.113475	7.555538	7.462596	7.496813	7.400839	7.701511	7.47955	7.683279	8.11527	7.668585
SCARNA1!	SCARNA1!	6.975098	6.945523	6.806976	6.945649	6.875542	6.987107	6.746545	6.908916	6.875985	6.892684	6.687629	6.88172
SCC-112	SCC-112	8.583925	9.036331	8.638266	9.255617	8.896838	8.750888	8.29548	8.241577	8.252641	8.163561	7.942826	8.520315
SCCPDH	SCCPDH	7.812696	8.137764	7.843671	8.321499	8.531939	9.250501	9.009478	8.91727	8.937723	8.890182	8.52954	8.639594
SCD	SCD	13.38824	12.99676	12.68893	12.91191	12.4	12.35193	11.59475	11.60908	11.81752	11.034	11.25909	11.00003
SCD5	SCD5	7.163538	7.336701	7.311844	7.62573	7.73831	8.609735	8.636434	8.986427	8.75244	8.713912	8.456371	7.908141
SCDR10	SCDR10	7.459497	7.425228	7.147086	7.880601	8.000711	7.927002	7.812474	7.873588	7.837853	7.67024	7.52632	7.441545
SCEL	SCEL	6.897109	7.204449	6.985331	7.173899	7.104036	7.016666	7.028088	7.085061	7.00532	7.056486	6.867735	6.937341
SCFD1	SCFD1	9.797521	10.25618	9.807985	9.987966	9.91302	10.50202	10.03895	10.04616	10.12353	10.01216	9.91868	9.699547
SCFD2	SCFD2	7.093365	7.287562	7.101957	7.346695	7.191758	7.27524	7.156595	7.254314	7.167144	7.149706	7.162964	7.139115
SCG2	SCG2	8.358561	8.830437	7.430587	7.306436	7.72007	8.628366	9.836035	10.55998	10.79984	10.17813	10.47448	10.80499
SCG3	SCG3	8.891896	9.358197	8.365893	7.584737	7.112003	7.02344	7.018656	7.025296	7.329913	7.070186	6.971739	6.849156
SCG5	SCG5	9.917051	10.1704	8.049209	8.807351	7.879096	8.28031	8.445424	8.857186	9.552023	9.73709	10.03512	9.146423
SCGB1A1	SCGB1A1	6.986051	7.11616	7.501602	7.44885	7.014664	7.120866	6.959212	6.922839	6.961989	7.026708	6.86963	6.887568
SCGB1C1	SCGB1C1	6.915617	7.095296	6.863387	7.004656	6.95745	6.911789	6.951571	7.047732	6.898437	7.021459	6.892308	6.885896
SCGB1D1	SCGB1D1	7.355663	7.730414	7.515388	7.278725	7.13388	6.962859	6.891196	6.988972	7.06177	7.06839	7.00737	6.991016

SCGB1D2	SCGB1D2	6.937899	7.090783	6.873406	6.989632	7.052897	6.874801	6.752294	6.89705	6.809946	7.034704	6.850268	6.811939
SCGB1D4	SCGB1D4	6.713873	6.973056	6.771643	6.819676	6.808078	6.926851	6.747784	6.824904	6.842686	6.775627	6.746115	6.798569
SCGB2A1	SCGB2A1	6.804322	6.953497	6.752918	7.100686	6.924194	6.880232	6.870639	6.840829	6.755125	6.872043	6.776457	6.850394
SCGB2A2	SCGB2A2	6.891098	7.013319	6.864149	6.90018	6.829759	6.974807	6.812498	6.89955	6.86259	6.860658	6.751158	6.834072
SCGB3A1	SCGB3A1	6.840165	6.978634	6.815966	6.977258	6.855041	7.014928	6.795179	6.889838	6.751201	6.924457	6.768659	6.733333
SCGB3A2	SCGB3A2	9.541048	10.30072	8.150691	7.153115	6.967039	6.924089	6.827367	7.019606	7.037861	7.206515	6.734572	6.689749
SCGN	SCGN	6.919801	7.00684	6.793265	7.135124	7.014618	6.878933	6.946739	7.031714	6.917995	6.928869	6.907506	6.858447
SCHIP1	SCHIP1	8.833892	9.154551	8.34597	8.95021	9.135966	11.15048	10.81945	11.18057	11.13841	11.4991	11.09749	10.82599
SCIN	SCIN	6.940638	6.985517	6.753593	7.027936	7.019735	6.887935	6.879875	6.92225	6.874005	6.933276	6.758068	6.827903
SCLY	SCLY	8.292589	8.127465	7.421378	7.590743	7.359784	7.294144	7.172084	7.244927	7.325135	7.141008	7.200052	7.177096
SCMH1	SCMH1	7.821057	7.845778	7.65658	9.290147	8.881968	9.578054	9.502206	9.295902	9.216719	9.372854	8.762805	9.096181
SCML1	SCML1	7.124665	7.359706	7.346632	7.996353	8.159908	8.850107	8.065414	8.213376	8.132893	8.049118	7.822687	7.687468
SCML2	SCML2	8.062814	8.260082	8.087334	8.25104	7.751965	7.717689	7.473266	7.580695	7.405784	7.297303	7.332093	7.416287
SCML4	SCML4	6.862044	6.96548	6.780234	7.082699	6.952954	6.911114	6.855699	6.921475	6.81823	6.880756	6.818458	6.831269
SCN10A	SCN10A	6.865601	6.997494	6.743531	7.02371	6.946329	7.009977	6.901085	6.916473	6.795117	6.920473	6.712082	6.814102
SCN11A	SCN11A	6.890369	7.005251	6.841451	7.054892	7.051124	6.969971	6.821413	6.913446	6.931937	6.861606	6.707713	6.795898
SCN1A	SCN1A	6.830061	7.125598	6.799547	6.998904	6.956843	7.067776	6.807963	6.990542	7.031683	6.979505	6.732813	6.89204
SCN1B	SCN1B	6.951256	7.084166	6.810019	6.972556	6.884835	6.9014	6.872201	7.096287	6.921345	7.035393	7.394798	7.151124
SCN2A2	SCN2A2	6.902967	7.251684	6.86031	7.000302	7.000835	7.347933	7.136658	7.114419	7.332065	7.010032	6.836798	7.12992
SCN2B	SCN2B	6.848755	7.075022	6.794112	6.991795	7.144007	7.788284	7.859013	8.088811	7.971282	8.200374	7.904422	8.05696
SCN3A	SCN3A	8.132272	8.329833	7.87689	8.132919	8.067745	8.566545	8.502777	8.409933	8.530398	8.578002	8.271761	8.473088
SCN3B	SCN3B	6.946436	7.169408	6.843898	7.126612	7.417165	7.152734	7.036534	7.099611	7.361616	7.044017	6.904753	6.873658
SCN4A	SCN4A	7.259907	7.216395	6.890209	6.987589	6.910723	6.822522	6.832342	6.92653	6.802265	7.062578	6.701966	6.80662
SCN4B	SCN4B	7.186019	7.226748	6.918472	7.205855	7.071511	7.186585	7.073442	7.113987	7.136775	7.144547	6.948219	6.974281
SCN5A	SCN5A	6.982122	7.280734	6.939779	7.183331	7.037177	7.155797	7.037387	7.04001	7.012061	7.139986	6.969452	7.041415
SCN7A	SCN7A	6.925073	7.183165	6.847593	7.117763	7.007813	7.213074	6.972151	7.14415	7.058611	7.091324	6.94681	6.876787
SCN8A	SCN8A	6.93354	7.210834	6.896924	7.018487	6.889908	6.931255	6.711332	6.791604	6.917174	6.835768	6.824269	6.827945
SCN9A	SCN9A	7.190517	7.23744	7.000548	7.153546	7.011	7.224546	7.192409	7.264434	7.331075	7.177302	7.163552	7.193322
SCNM1	SCNM1	8.833695	9.095825	8.686382	8.926298	8.734052	9.221075	8.913109	8.8545	8.901879	8.897283	8.750691	8.621024
SCNN1A	SCNN1A	12.04669	12.65519	11.07199	8.878496	7.919861	7.059593	6.843982	6.863277	7.020823	6.882968	6.710605	6.763591
SCNN1B	SCNN1B	7.064649	7.349817	6.894612	7.160012	7.173528	7.220346	7.027994	7.123776	7.081929	7.178267	6.950546	7.016507
SCNN1D	SCNN1D	7.785625	7.622864	7.521106	8.076779	8.18517	8.438377	8.12184	7.754422	8.235361	7.971294	7.322723	7.680517
SCNN1G	SCNN1G	7.139001	7.404951	6.822162	7.033637	6.942509	6.945651	6.942969	6.93273	7.049696	6.964735	6.787758	6.904269
SCO1	SCO1	11.2159	11.68	10.98878	10.81889	10.89899	11.99662	11.44303	11.46318	11.50503	11.2098	10.95806	10.9261
SCO2	SCO2	8.959902	9.31739	8.860166	9.517253	9.333368	10.27047	9.657403	9.698917	9.653965	9.647045	9.749729	9.504969
SCOC	SCOC	9.328636	9.882851	9.831598	10.36618	10.49661	11.23461	10.95341	11.07288	11.27305	11.12357	10.95067	11.11745

SCOTIN	SCOTIN	11.15792	11.92171	10.25293	10.60383	10.50147	10.39923	10.43472	10.77654	10.61073	10.60157	11.28641	10.5565
SCP2	SCP2	7.150781	7.395838	7.027583	7.260731	7.170312	7.622912	7.302514	7.513373	7.373884	7.478995	7.484237	7.332881
SCPEP1	SCPEP1	10.05188	9.739135	9.081408	9.259314	9.274295	9.354029	9.333351	9.434064	9.37504	9.344872	9.438222	9.574414
SCRG1	SCRG1	6.82864	7.053463	6.923145	7.546234	9.136651	9.384762	9.333747	9.302083	10.00011	8.845307	9.881304	8.829929
SCRIB	SCRIB	9.099568	9.335124	8.547709	9.054336	8.757813	8.863689	8.464376	8.22097	8.37289	8.311333	7.948231	8.438434
SCRL	SCRL	6.812693	7.010338	6.69727	6.911975	6.949471	6.865969	6.758351	6.854173	6.860851	6.844191	6.7466	6.763576
SCRN1	SCRN1	10.10823	10.59628	9.600018	10.03648	10.24037	10.10843	9.816681	10.07468	10.07962	9.82547	9.954827	9.951473
SCRN2	SCRN2	7.301638	7.380431	6.97694	7.380638	7.302285	7.562113	7.342681	7.372871	7.42066	7.356715	7.029381	7.297093
SCRN3	SCRN3	7.005177	7.27256	6.917301	7.190117	7.197968	7.763573	7.513052	7.665091	7.527505	7.655553	7.375123	7.434755
SCRT1	SCRT1	7.029239	7.151775	6.890244	7.062198	7.009256	6.979503	6.915122	6.96929	6.913004	6.906327	6.881066	6.877195
SCRT2	SCRT2	6.99273	7.056641	6.819646	6.934479	6.903528	7.016125	6.847688	6.931624	6.930809	6.908945	6.751891	6.881682
SCT	SCT	6.92091	7.415797	7.051244	7.100539	6.995582	7.105315	7.083177	7.018755	7.115256	7.057387	6.937752	7.029803
SCTR	SCTR	6.973142	7.181581	6.84439	7.041655	7.052723	7.093298	6.972345	7.011943	6.890914	6.951891	6.810385	6.849392
SCUBE1	SCUBE1	6.895527	6.968238	6.809052	7.08567	7.063395	6.85974	6.892852	6.858951	6.886691	6.927649	6.746184	6.786845
SCUBE2	SCUBE2	6.918133	7.107167	6.769297	7.022719	7.04701	7.327302	7.090041	7.128658	7.003069	7.016787	6.848086	7.202191
SCUBE3	SCUBE3	7.013415	7.327536	6.919044	7.731649	7.640902	7.877365	7.68835	7.624981	7.399055	7.385865	7.060321	7.213879
SCYE1	SCYE1	7.002368	7.128314	6.908614	7.108254	7.049271	7.091168	6.975228	7.030088	7.008634	7.120537	6.891515	6.985562
SCYL1	SCYL1	10.02129	10.24274	9.94268	10.7898	10.79092	10.87392	10.76043	10.61689	10.65797	10.84949	10.43668	10.85514
SCYL1BP1	SCYL1BP1	8.075461	8.531558	8.104397	8.362859	8.270912	8.38655	8.272806	8.552538	8.482003	8.620507	8.887604	8.573531
SCYL2	SCYL2	9.533953	10.12152	9.654503	10.14875	10.04322	10.56533	10.07104	10.08096	10.11368	9.974818	9.901394	9.959013
SCYL3	SCYL3	7.319954	7.753087	7.717455	8.156961	7.731977	8.022732	7.76177	7.588205	7.662809	7.67073	7.478358	7.538436
SDAD1	SDAD1	11.7072	12.03548	11.32941	11.19882	11.15737	11.16797	10.44641	10.45374	10.53103	10.28586	10.22024	10.15164
SDC1	SDC1	8.319858	8.554594	7.641634	7.714646	7.813153	7.579513	7.258897	7.168462	7.525892	7.17539	7.162676	7.646483
SDC2	SDC2	7.99627	8.149626	7.912419	8.902018	8.566522	8.655622	8.428355	8.125835	8.346379	8.307588	7.789512	7.944527
SDC3	SDC3	6.916695	7.141215	6.904125	7.133079	7.008851	7.128322	7.002298	7.112711	7.03709	7.08047	6.940556	6.959591
SDC4	SDC4	8.691099	9.373555	9.131849	10.18229	9.564394	9.118547	8.470613	8.68919	8.459441	8.694089	8.467354	8.49446
SDC4P	SDC4P	6.820924	7.000341	6.828444	6.999598	6.938495	7.013528	6.73459	6.986727	6.864081	6.966982	6.763827	6.81795
SDCBP	SDCBP	9.743382	10.13745	10.29028	10.44697	10.38884	11.4602	10.40324	10.74926	10.47249	10.27787	10.58965	10.05807
SDCBP2	SDCBP2	6.948001	7.070609	6.839498	7.064456	7.023714	7.127846	6.914431	6.994736	6.931169	6.904112	6.848886	6.896764
SDCCAG1	SDCCAG1	8.479982	8.812682	8.431678	9.145151	8.942888	9.824006	9.04112	9.184316	9.092545	8.962645	8.979787	8.797071
SDCCAG1	SDCCAG1	10.84963	11.11815	10.86192	10.60014	10.41478	11.25188	11.08077	11.03188	11.13369	10.88348	10.55532	10.23192
SDCCAG3	SDCCAG3	10.03107	9.786027	9.133574	9.270435	8.999323	8.949979	8.599214	8.685545	8.729738	8.543363	8.605172	8.526316
SDCCAG3	SDCCAG3	6.98432	7.13601	6.906416	8.188848	8.569793	8.007218	8.204462	8.320075	8.701462	8.14172	8.020499	8.02007
SDCCAG3	SDCCAG3	7.005343	7.090878	6.960874	7.153465	7.028455	6.991038	7.033723	6.960845	7.102722	7.037819	6.826327	6.992734
SDCCAG8	SDCCAG8	7.210381	7.444726	7.19096	7.717011	7.634597	8.093576	7.810899	8.035374	7.75563	8.036902	7.918356	8.00019
SDF2	SDF2	10.26599	10.63774	10.39604	10.64425	10.53845	11.08754	10.58282	10.63691	10.59739	10.60694	10.71324	10.50382

SDF2L1	SDF2L1	10.70844	10.67323	10.43915	10.79137	10.73845	10.92407	10.9338	10.94067	10.9194	11.13412	11.16126	11.19868
SDF4	SDF4	8.478758	8.85056	8.456837	8.880956	8.903	9.500788	9.178232	9.346621	9.26783	9.451991	9.892285	9.622342
SDFR1	SDFR1	9.428618	9.719749	9.28342	9.597023	10.24842	11.05221	11.04007	10.88092	11.07628	10.85368	10.61684	10.45077
SDHA	SDHA	9.793262	9.725116	8.722581	9.730537	9.932306	11.74113	11.15281	11.53294	11.06269	11.51643	11.17836	11.34719
SDHAL2	SDHAL2	7.381259	7.631048	7.325147	7.56017	7.624846	7.733926	7.511166	7.495727	7.500793	7.490596	7.269179	7.335772
SDHAP3	SDHAP3	7.265596	7.766789	7.257778	7.506059	7.492643	7.634622	7.395501	7.294471	7.382823	7.250434	6.955688	7.236287
SDHB	SDHB	11.20835	11.50431	10.7632	10.98512	11.34242	12.64536	12.17894	12.43368	12.32021	12.63565	12.50925	12.0257
SDHC	SDHC	9.672414	10.31813	9.534261	9.727538	9.584451	10.45161	10.00015	9.95971	9.851903	10.17607	10.01549	9.962587
SDHD	SDHD	10.28472	10.7189	9.944335	9.745184	9.963525	11.28771	11.05094	10.95718	11.15562	11.25104	10.90175	10.91358
SDK1	SDK1	6.925452	7.156529	6.87468	7.211028	7.211408	7.138581	6.917958	7.071276	6.893243	7.061504	6.782956	6.831728
SDK2	SDK2	7.477476	7.709044	7.725093	8.215288	8.32551	8.45739	8.072149	7.903604	7.877044	7.708337	7.499702	7.907806
SDPR	SDPR	7.115557	7.509187	7.025866	7.380468	7.540827	7.566336	7.632983	7.609188	7.848835	8.169909	8.168763	7.663421
SDR-O	SDR-O	6.819332	7.044205	6.855625	6.999976	6.9186	7.073357	6.91439	6.981486	6.884762	7.007526	6.734298	6.73418
SDS	SDS	6.845597	7.052434	6.851036	7.030917	6.970992	7.062888	6.878165	6.946611	6.947653	6.972108	6.85008	6.82404
SDSL	SDSL	6.925995	7.891608	7.184616	7.628758	7.833377	8.838289	8.370188	8.467022	8.484707	8.473296	8.588254	8.307118
SEBOX	SEBOX	6.850625	6.956807	6.785208	6.945839	6.818998	6.930987	6.784416	6.931552	6.836839	6.849436	6.734069	6.810344
SEC10L1	SEC10L1	7.694549	7.923725	7.829582	8.142457	7.637123	7.434213	7.268832	7.400059	7.297309	7.27999	7.251322	7.343893
SEC11L1	SEC11L1	12.94592	13.26713	12.6278	12.67459	12.61224	12.83115	12.40606	12.28817	12.29807	12.20816	12.42479	11.89339
SEC11L3	SEC11L3	9.413638	9.931868	8.929236	8.532666	8.650944	9.579599	9.110475	8.892578	9.489124	9.280697	9.488426	9.051422
SEC14L1	SEC14L1	7.890854	8.296431	7.840961	8.216335	8.149065	8.208076	7.910243	7.930415	8.082201	8.06189	8.084745	8.074483
SEC14L2	SEC14L2	7.060549	7.068062	6.939115	7.041435	6.912379	7.103043	6.933172	6.934329	7.052813	7.040536	7.070197	7.105019
SEC14L3	SEC14L3	7.017739	7.069352	6.914948	7.042712	6.946994	7.03456	6.917971	6.976572	6.965279	7.042362	6.887489	6.987966
SEC14L4	SEC14L4	7.003701	7.168062	6.825177	7.089821	6.9823	7.10083	7.057107	7.096374	6.971439	7.171709	6.863015	6.880108
SEC14L5	SEC14L5	7.691497	7.954293	6.902086	7.07698	7.011972	7.455061	7.529593	7.787111	7.486127	7.782341	7.001035	7.434789
SEC15L2	SEC15L2	6.962857	7.132852	6.88762	7.106178	6.977138	7.202894	7.01656	7.091012	7.05023	7.097533	6.909831	7.066936
SEC22C	SEC22C	9.43411	9.077568	8.747515	8.69763	8.950186	9.15587	8.801978	9.131341	8.995869	8.944612	9.322219	8.982668
SEC22L1	SEC22L1	9.155144	9.903426	9.542668	9.886667	10.00887	10.45984	10.04953	9.986658	10.16132	9.932287	9.886833	9.806179
SEC22L2	SEC22L2	8.819176	9.40355	8.677118	9.030114	9.08244	9.288252	8.884147	9.042754	9.226549	9.04086	9.114211	9.115878
SEC22L3	SEC22L3	8.074616	8.484896	7.889376	7.861311	7.86695	8.161841	7.825748	7.821817	7.884266	7.925375	7.856369	7.96454
SEC23A	SEC23A	7.286949	7.610089	7.341735	7.770265	7.883948	8.627429	8.15281	8.379396	8.176761	8.225949	8.636225	8.471772
SEC23B	SEC23B	10.29025	10.80159	10.21603	10.19152	9.704325	9.759814	9.239435	9.467377	9.338947	9.192028	9.501872	9.174373
SEC23IP	SEC23IP	9.208535	9.612511	9.015852	9.439482	9.299287	9.86512	9.132767	9.287006	8.957932	8.938463	8.908101	9.073898
SEC24A	SEC24A	7.678933	8.65321	7.700155	8.366566	8.314493	7.94628	7.643276	7.628816	7.69913	7.539017	7.738801	7.826769
SEC24B	SEC24B	7.552852	7.914652	7.681714	8.234021	8.082843	8.266503	7.970629	8.006716	7.986656	7.938096	7.738098	7.821805
SEC24C	SEC24C	9.544818	9.913798	9.423791	10.15066	9.988111	9.969155	9.60818	9.758128	9.543817	9.694913	9.718171	9.630332
SEC24D	SEC24D	8.551219	8.95223	7.997472	8.65741	8.9492	8.349949	8.400198	8.260456	8.574537	8.121454	9.031354	9.027129

SEC31L1	SEC31L1	9.19305	9.873408	9.581574	10.52178	10.31627	10.50615	10.21456	10.32838	10.29561	10.18693	10.28856	10.43916
SEC31L2	SEC31L2	6.999024	7.091074	6.873492	7.038226	7.08337	7.124104	6.980247	6.959742	7.031015	7.068372	6.946704	6.926205
SEC61A1	SEC61A1	11.92959	12.40184	12.07166	12.73192	12.42581	12.23849	11.92478	11.85388	11.95039	11.70422	11.73589	12.25916
SEC61A2	SEC61A2	8.30675	8.931312	8.497455	8.7569	8.576764	9.510689	8.830798	8.885888	8.626235	8.65868	8.472675	8.509114
SEC61B	SEC61B	12.33284	13.24345	12.62359	12.83749	12.85184	12.57691	12.20799	11.8143	12.37727	11.87768	12.38118	11.55239
SEC61G	SEC61G	12.70696	13.3321	12.65533	12.81971	13.08887	13.20285	12.8977	12.81028	13.21014	13.02058	13.31082	12.46542
SEC63	SEC63	7.482217	7.694448	7.324986	7.645991	7.525372	7.596759	7.420501	7.3633	7.346866	7.385036	7.210092	7.401772
SEC63D1	SEC63D1	6.991243	7.304663	7.52549	7.66613	7.522319	7.280099	7.298813	7.251264	7.281791	7.198671	7.074262	7.021742
SEC6L1	SEC6L1	8.140244	8.237068	7.797035	8.350736	8.260336	8.288923	8.111545	8.467741	8.146891	8.366059	8.508822	8.209415
SEC8L1	SEC8L1	8.056856	8.419254	7.961362	8.294718	8.115738	8.092199	8.152653	7.751856	8.08783	7.936155	7.599553	7.984358
SECISBP2	SECISBP2	9.9526	10.01647	9.655229	9.781526	9.554546	9.243881	8.777547	8.828646	8.914966	8.806908	8.429524	8.532234
SECTM1	SECTM1	7.109349	7.373219	6.826813	7.229164	7.08617	7.18126	7.133699	7.071884	7.072714	7.101427	6.970588	6.966059
SEDLP	SEDLP	8.280112	8.851488	8.311763	8.726582	8.604237	9.543135	9.121247	9.132626	9.322837	9.283083	9.012136	8.689379
SEH1L	SEH1L	8.924508	9.156457	8.631026	8.855678	8.173033	8.59236	8.002554	8.207397	8.086363	8.138551	8.179267	7.964562
SEL1L	SEL1L	7.199853	7.175986	7.060523	7.412475	7.410601	7.718878	7.271139	7.368827	7.20831	7.325216	7.157219	7.298644
SELE	SELE	7.000674	7.172345	6.885267	7.148176	7.060293	7.039853	7.064127	7.045799	6.991046	6.985355	6.857807	6.933268
SELENBP1	SELENBP1	7.907418	8.225069	7.906479	8.838186	8.419294	7.849941	7.912801	7.822039	7.83532	7.896288	7.432028	7.465571
SELI	SELI	8.70714	8.921868	8.667583	8.917888	8.427492	8.60877	8.150576	8.087356	8.09938	7.962847	7.819326	7.876811
SELK	SELK	8.970305	9.731103	9.493513	9.766585	9.706504	10.59283	10.30901	10.17472	10.52906	10.62235	10.20958	10.02245
SELL	SELL	6.951377	7.123136	6.855563	7.023551	6.923912	6.992904	6.992391	6.967021	6.971719	7.004314	6.876924	6.813283
SELM	SELM	7.99987	8.000547	7.657283	8.163576	8.693281	9.35771	9.405373	9.763926	9.706111	9.906404	10.31649	9.177746
SELO	SELO	8.24825	8.02245	8.126837	8.498824	8.884648	9.028759	8.634273	8.654929	8.656074	8.537228	8.59832	9.213661
SELP	SELP	6.850915	6.999992	6.719359	7.034446	6.94657	7.043015	7.057392	7.002399	6.981856	6.99787	6.799991	6.860921
SELPLG	SELPLG	6.9409	7.104472	6.789741	6.92032	6.99725	6.91234	6.9944	6.896037	6.822881	6.935782	6.745047	6.847542
SELS	SELS	10.23463	10.35006	10.35821	10.58688	10.5867	11.20873	10.66047	10.86165	10.8402	10.83965	11.24205	10.78129
SELT	SELT	8.774178	9.029706	8.518259	9.061983	9.08365	10.38259	9.861371	9.98815	9.926824	9.95189	9.661419	9.648272
SELV	SELV	8.416377	8.494878	7.947447	7.974785	7.695118	7.144559	6.943459	6.892933	7.048513	6.943952	6.864134	6.86936
SEMA3A	SEMA3A	8.83274	8.554773	8.293585	9.585365	8.935192	8.507912	8.226215	8.158008	8.187306	8.006175	8.454456	8.626487
SEMA3B	SEMA3B	7.313912	7.6165	7.221886	7.462066	7.383629	7.599178	7.31762	7.518914	7.337253	7.389389	7.203856	7.227355
SEMA3C	SEMA3C	6.843354	6.995759	7.06307	8.564343	8.272552	7.492786	7.318369	7.393833	7.733735	7.326164	7.827865	8.478785
SEMA3D	SEMA3D	6.788164	7.148193	6.796681	7.071887	7.053024	7.053779	6.955255	6.843786	6.89564	6.83826	6.727946	6.75844
SEMA3E	SEMA3E	8.431764	9.180647	8.622714	8.879348	9.306027	9.153402	9.227782	8.99201	8.95104	8.983101	8.919486	8.939525
SEMA3F	SEMA3F	7.774466	7.620118	7.569812	7.662672	7.396077	7.064073	6.957992	7.102661	7.339922	7.022821	6.906907	7.074436
SEMA3G	SEMA3G	6.943286	7.162255	7.231894	7.204672	6.938614	6.971194	7.014136	7.022642	7.021487	7.064284	6.869849	6.863729
SEMA4A	SEMA4A	7.676612	8.083097	7.302455	7.124563	6.997597	7.19904	6.988974	7.0523	7.147797	7.00406	6.910547	6.924365
SEMA4B	SEMA4B	8.273469	8.167391	7.50252	7.999933	7.941084	7.726446	7.868872	8.256348	8.214037	8.364741	8.752098	8.353375

SEMA4C	SEMA4C	7.207854	7.749442	7.219276	7.454132	7.542592	7.147799	7.081538	7.08322	7.151394	7.243095	6.974519	7.212182
SEMA4D	SEMA4D	10.31059	10.22123	8.656657	8.827112	8.373828	7.562547	7.594923	7.485083	7.588882	7.380584	7.053406	7.306681
SEMA4F	SEMA4F	7.98738	8.274276	7.860051	8.175774	8.320443	8.548784	8.285514	8.450426	8.431512	8.245388	8.337715	8.065523
SEMA4G	SEMA4G	7.004692	7.038195	6.940689	7.175675	7.039292	7.138405	7.136982	7.069433	7.031075	7.04627	6.799011	6.894726
SEMA5A	SEMA5A	7.248676	7.228469	7.197431	8.186052	8.16097	8.455088	8.422714	8.306757	8.248591	8.341558	8.22726	8.156188
SEMA5B	SEMA5B	7.59353	7.974153	7.358748	7.186128	7.054045	7.072846	6.989208	7.113323	7.122749	7.256455	7.267066	7.220642
SEMA6A	SEMA6A	11.74563	12.40984	12.0222	11.36318	10.26106	9.308594	8.949809	8.700599	9.140527	8.404062	7.322645	7.428505
SEMA6B	SEMA6B	7.551361	7.789943	7.400063	7.426769	7.299874	7.365832	7.195678	7.201984	7.180674	7.248394	6.948555	7.01684
SEMA6C	SEMA6C	7.273269	7.461163	7.405329	7.585571	7.501268	7.686536	7.571077	7.759229	7.622213	7.895193	7.559248	7.566688
SEMA6D	SEMA6D	6.861022	7.08254	7.43214	7.655683	7.50396	7.615012	7.498149	7.331882	7.281387	7.007542	6.841951	6.903659
SEMA7A	SEMA7A	6.866316	7.083169	6.851949	7.148782	7.04205	7.029018	6.985409	6.909003	6.919786	7.011462	6.856001	7.167225
SEMG1	SEMG1	8.683058	9.369624	7.692308	7.308042	7.299568	7.328573	7.193854	7.217613	7.244615	7.336089	7.152808	7.109756
SEMG2	SEMG2	6.724685	6.94048	6.697264	6.939553	6.883309	6.822499	6.841173	6.857376	6.792409	6.883151	6.844016	6.8235
SENP2	SENP2	8.95047	9.765199	8.910888	9.357953	8.819225	9.254919	8.780753	8.996485	8.828664	8.825555	8.785163	8.997105
SENP3	SENP3	7.071629	7.356637	6.878928	7.241468	7.185218	7.436347	7.051537	7.137023	7.25607	7.255287	6.982405	7.105196
SENP5	SENP5	7.285899	7.650101	7.495625	7.847127	7.830217	8.163527	7.921676	7.993493	7.984298	7.918202	7.874884	8.077197
SENP6	SENP6	8.52115	8.803097	8.496035	8.799866	8.828937	8.971037	8.469981	8.572516	8.369695	8.319567	8.384996	8.435775
SENP7	SENP7	7.636754	8.038815	7.993587	8.879052	9.024647	8.881036	8.755595	8.506522	8.896772	8.274105	7.714577	8.006048
SENP8	SENP8	6.906328	7.371438	7.031055	7.114775	7.040032	7.294924	7.247477	7.148929	7.313166	7.364552	7.147882	7.160823
15-Sep	15-Sep	11.63503	12.04452	11.79841	11.58907	11.71855	11.8404	11.67109	11.63393	11.98355	11.59743	12.02361	11.51402
SEPHS1	SEPHS1	12.53067	13.51139	12.04164	10.70264	10.39022	10.30357	9.819225	9.78398	9.764284	9.566852	9.048371	9.021311
SEPHS2	SEPHS2	9.333163	9.69895	8.774061	8.693858	8.523759	9.308214	8.794683	8.641024	8.567568	8.584975	8.313167	8.894467
SEPN1	SEPN1	8.735229	8.612951	8.052041	8.332386	8.315831	8.804849	8.614599	8.82089	8.509362	8.662334	9.004642	8.558715
SEPP1	SEPP1	7.052818	8.129333	8.141556	8.157383	8.149375	8.438371	8.258424	8.320385	8.693624	8.562178	8.115162	8.668174
1-Sep	1-Sep	6.983066	7.178683	6.903157	7.165119	7.032392	7.075783	7.063823	7.07055	7.115149	7.097646	6.92754	6.925772
10-Sep	10-Sep	8.005258	8.206313	8.010932	8.247795	8.04069	8.146303	7.79909	7.917203	7.808317	7.942906	7.888796	7.924469
11-Sep	11-Sep	10.33642	10.87106	10.7286	11.46202	10.89706	9.835764	9.239045	9.06129	9.696492	8.856872	9.873837	9.242313
2-Sep	2-Sep	11.92385	12.09761	11.92352	12.49977	12.25572	12.11154	11.81671	12.00755	11.78971	11.67853	11.81045	11.6511
3-Sep	3-Sep	10.24363	10.13912	8.476066	8.896443	8.824088	7.910893	7.507432	7.397311	9.205427	7.3743	7.004149	7.012746
4-Sep	4-Sep	7.770122	7.478187	7.017051	7.134828	7.092216	7.201103	7.290352	7.3614	7.726198	7.614762	7.288153	7.346629
5-Sep	5-Sep	6.902885	7.066053	6.883016	7.043441	6.936891	7.088636	7.148494	7.2911	7.182631	7.468418	7.060543	7.173684
6-Sep	6-Sep	7.529747	7.465521	7.100625	7.940285	7.719316	8.136839	7.945301	8.017886	8.08063	7.692541	7.65808	7.405277
7-Sep	7-Sep	8.152481	8.686911	8.361531	9.241487	9.066105	9.485457	9.44201	8.953623	9.34575	9.051097	8.767479	8.893502
8-Sep	8-Sep	7.053758	7.48373	7.02522	7.446426	7.279974	7.346709	7.145443	7.220996	7.199602	7.302648	7.091849	7.197535
9-Sep	9-Sep	13.65835	13.97687	13.52986	14.19687	13.88099	13.87392	13.28586	13.16886	13.10269	12.85579	12.56145	12.53593
SEPW1	SEPW1	10.67493	10.60353	10.08794	10.28874	10.77735	12.22342	12.34756	12.1545	12.14403	12.38506	12.03353	11.74079

SEPX1	SEPX1	10.53581	10.71381	10.37652	10.44812	10.11195	10.59271	10.06182	10.12997	9.98804	10.0332	10.24798	9.754332
SERAC1	SERAC1	7.263515	7.539643	7.20318	7.55424	7.367713	7.382277	7.235314	7.235768	7.200459	7.271851	7.191513	7.200541
SERBP1	SERBP1	11.34477	11.42437	10.80052	10.85499	10.58734	10.99924	10.2123	10.01291	9.892162	9.749231	9.456612	9.475722
SERF1A	SERF1A	10.24656	10.88285	10.24	9.895513	9.797495	10.28231	9.909048	9.73897	9.827727	9.89996	9.82579	9.262956
SERF1B	SERF1B	10.58347	11.09381	10.45632	10.15427	10.05844	10.5155	10.18447	10.11247	10.1554	10.0343	9.949237	9.441353
SERF2	SERF2	12.20828	13.21188	12.6122	12.85548	12.96113	13.52797	13.24059	13.10382	13.1953	13.36822	13.40803	12.75235
SERGEF	SERGEF	8.713394	8.328743	8.085837	8.524443	8.711287	8.943191	8.889785	8.916387	8.736737	8.770403	8.633	8.304108
SERHL	SERHL	7.036896	7.179188	6.96958	7.308502	7.016865	7.191124	7.006523	7.044073	7.032832	7.040373	6.891943	6.983021
SERHL2	SERHL2	6.816811	7.0603	6.966073	7.096682	6.96704	6.987974	6.865299	6.947367	6.886762	6.954173	6.821431	6.835094
SERINC1	SERINC1	8.261674	8.7747	8.825742	9.353641	9.401251	10.17795	9.919858	10.02527	9.862657	10.01089	10.06155	10.01463
SERINC2	SERINC2	7.523697	7.540528	7.046394	7.243972	7.06358	7.025339	6.953759	7.008324	7.165756	7.123994	7.218706	7.024386
SERINC3	SERINC3	8.284517	8.98934	9.477201	10.11335	9.448224	9.823483	9.40008	9.61914	9.458165	9.40205	9.331386	9.800026
SERINC4	SERINC4	6.883388	7.249518	6.93454	7.295178	6.90337	7.061022	6.955304	7.061939	6.912449	6.996701	6.764885	6.957726
SERINC5	SERINC5	6.828535	7.146359	6.835773	7.184858	7.106859	7.039286	6.898114	6.957834	6.918002	7.00808	6.848319	6.827761
SERP1	SERP1	9.181055	9.571411	8.816809	9.552964	9.038164	8.654099	8.355407	8.130231	8.656952	8.251381	8.795077	8.745396
SERPINA1	SERPINA1	6.9048	7.080289	6.845112	7.055218	8.500506	7.05483	6.901308	6.974088	7.039028	6.93678	6.792386	6.950225
SERPINA1	SERPINA1	6.879587	6.981404	6.758379	7.047698	6.919309	6.843693	6.783597	6.850936	6.799387	6.755424	6.812861	6.857893
SERPINA1	SERPINA1	6.984216	7.087862	6.865894	7.075337	7.05476	6.968309	6.956282	6.898841	6.836889	6.956406	6.82905	6.871032
SERPINA1	SERPINA1	6.838626	7.083729	6.699754	6.977939	6.883786	6.957714	6.820988	6.960522	6.965223	6.90541	6.684729	6.824978
SERPINA1	SERPINA1	6.822668	6.9663	6.747755	6.959312	6.839092	6.855431	6.871573	6.853257	6.867332	6.837227	6.887477	6.772276
SERPINA2	SERPINA2	6.852669	7.139067	6.919489	7.079452	7.007494	7.11265	6.916649	6.964288	7.015454	6.986797	6.87055	6.859168
SERPINA3	SERPINA3	6.896474	7.065394	6.794617	7.046837	7.393251	8.07832	8.390985	8.452894	8.211662	7.555584	9.427281	8.838726
SERPINA4	SERPINA4	6.845595	7.150321	6.861038	7.091972	6.946412	6.980745	7.000078	6.965939	6.871876	6.977356	6.847697	6.87052
SERPINA5	SERPINA5	7.584861	7.757084	7.285445	7.169682	8.821364	6.979033	6.879757	6.957996	6.89905	6.942488	6.794777	6.867144
SERPINA6	SERPINA6	6.894779	7.075625	6.805507	6.999334	6.951389	6.880538	6.872804	6.953432	6.844059	6.986765	6.797029	6.78348
SERPINA7	SERPINA7	6.823157	7.097789	6.77676	6.996202	6.898034	6.953395	6.833279	6.885823	6.919252	6.935336	6.69757	6.868093
SERPINA9	SERPINA9	6.931121	6.98109	6.76338	6.953852	6.89719	6.996097	6.951672	6.876577	6.860746	6.898588	6.753139	6.87831
SERPINB1	SERPINB1	8.340558	8.17694	7.750503	7.865734	7.598833	8.745481	8.509479	8.528413	8.487201	8.79526	8.798184	9.211366
SERPINB1	SERPINB1	6.963802	6.993065	6.991804	7.025689	6.901665	6.979949	6.878921	6.909586	6.915601	6.88145	6.82634	6.889762
SERPINB1	SERPINB1	6.87238	7.198866	6.819912	7.046154	7.040838	6.933677	6.855617	6.890101	6.857737	7.018033	6.820915	6.918956
SERPINB1	SERPINB1	6.773936	6.98308	6.701123	6.983551	6.766408	6.817644	6.831766	6.826112	6.796493	6.733662	6.628817	6.738043
SERPINB1	SERPINB1	6.842567	7.031698	6.695095	6.926637	6.937735	6.845785	6.788043	6.917221	6.717568	6.899985	6.88546	6.815637
SERPINB2	SERPINB2	6.877903	6.99926	6.900771	7.347558	7.022492	7.209891	7.659148	8.082718	8.440214	8.488455	8.31997	7.265012
SERPINB3	SERPINB3	6.852848	6.963319	6.721002	6.987109	6.917055	6.935086	6.821209	6.897627	6.812236	6.885197	6.812928	6.795412
SERPINB4	SERPINB4	7.125063	7.078822	6.69658	7.002583	6.819449	6.867099	6.912131	6.880606	6.821886	6.936838	6.729302	6.871758
SERPINB5	SERPINB5	6.888405	7.075142	6.759349	7.062886	7.004523	7.077165	6.910522	7.088478	6.995108	7.024698	6.944727	6.867616

SERPINB6	SERPINB6	10.99321	11.20843	11.01661	11.69554	12.46582	12.80383	12.39214	12.28317	12.40456	12.44401	11.9819	12.29622
SERPINB7	SERPINB7	6.946953	7.043018	6.839877	7.01458	6.955655	7.024493	6.900195	6.92749	7.116608	6.973499	7.606203	7.379682
SERPINB8	SERPINB8	7.053264	7.378698	7.139689	7.464144	7.334633	7.584101	7.258308	7.43054	7.42331	7.393095	7.909965	7.671775
SERPINB9	SERPINB9	7.476664	8.018252	8.235402	8.005218	8.298756	7.195702	6.981795	7.136463	6.957911	7.002247	6.810724	6.926847
SERPINC1	SERPINC1	6.815441	6.980043	6.841264	7.047621	6.944957	6.981196	6.862407	6.955766	6.888899	7.057717	6.826446	6.872566
SERPIND1	SERPIND1	6.838971	6.927907	6.694348	6.965264	6.944801	6.957087	6.881951	6.909535	6.896436	7.002016	7.012076	6.997496
SERPINE1	SERPINE1	7.107594	9.582862	7.684808	8.018375	7.372296	8.44755	8.125347	9.418165	9.704644	10.28793	12.59806	11.15946
SERPINE2	SERPINE2	12.22005	11.93663	14.37057	12.77758	11.59075	11.76582	12.35027	12.70895	12.80951	11.9661	13.87735	13.17649
SERPINF1	SERPINF1	7.397076	8.037848	7.06328	8.398878	9.185209	7.842777	8.254846	7.912176	8.142144	7.501268	7.169577	7.906413
SERPINF2	SERPINF2	7.06978	7.435323	6.998018	7.086634	7.180548	7.112199	6.851996	7.062017	6.911378	6.897855	6.789981	7.01444
SERPING1	SERPING1	7.611393	8.030936	7.679241	8.348926	7.757744	7.274156	7.203074	7.214207	7.347964	7.097676	7.015015	7.044191
SERPINH1	SERPINH1	10.78653	11.61421	11.12323	11.6605	11.48097	10.82931	10.67531	10.66742	11.0259	10.54765	11.28708	10.96004
SERPINI1	SERPINI1	7.828313	8.01233	7.338885	8.136421	7.961973	9.475688	9.18512	9.010397	8.900879	8.368127	8.014763	9.415992
SERPINI2	SERPINI2	6.91206	7.225825	6.814421	7.065804	6.97869	7.09344	7.000145	6.93929	6.982841	6.862896	6.808482	6.889458
SERTAD1	SERTAD1	8.198113	8.668057	8.282819	8.96296	8.751527	10.19406	9.415674	9.700492	9.383249	10.02113	10.42709	9.951189
SERTAD2	SERTAD2	9.302646	9.320321	10.05941	10.59391	11.07398	11.55095	10.84564	10.92493	10.87717	10.81507	10.4697	10.36439
SERTAD3	SERTAD3	7.823721	7.962876	7.921142	8.308643	8.40506	8.735877	8.439716	8.649669	8.435568	8.605602	8.247717	7.976581
SERTAD4	SERTAD4	7.525869	8.574676	8.67551	8.105983	8.444785	8.051839	7.977722	8.172503	8.463483	8.15746	7.867346	8.428162
SESN1	SESN1	9.400669	9.456733	9.01236	9.719093	9.548918	10.50484	9.658041	9.591611	9.485409	9.369715	8.810793	9.513864
SESN2	SESN2	7.344983	7.607574	7.021192	7.383139	7.423523	7.759335	7.251076	7.358581	7.176083	7.298738	7.227191	7.343008
SESN3	SESN3	7.24279	8.006596	7.656054	8.205877	7.599657	7.535378	7.217183	7.420776	7.516792	7.208416	6.984009	7.052796
SESTD1	SESTD1	8.768269	9.160427	9.023125	9.538957	9.701251	9.565619	8.890538	8.872207	8.930004	8.755556	8.823192	8.791194
SET	SET	12.66728	12.99071	12.41228	11.95831	11.76922	12.31852	11.41242	11.15467	11.31714	10.97977	10.6564	10.8826
SET7	SET7	6.854888	7.141365	6.967618	7.167364	7.060314	7.130372	7.050448	7.029342	7.020694	7.016048	6.971949	7.192351
SETBP1	SETBP1	7.627031	8.148218	7.989284	9.017234	8.776505	8.81942	8.209481	7.994834	8.619213	7.791611	7.43189	7.384028
SETD1A	SETD1A	8.945741	9.004866	8.710084	8.793623	8.519587	8.511555	8.028254	8.23365	7.95268	8.047569	8.302227	7.913509
SETD3	SETD3	10.28752	10.36257	9.939843	10.31128	10.10298	10.8347	10.6091	10.7887	10.70469	10.86279	10.60417	10.6465
SETD4	SETD4	7.857841	7.990032	7.868367	7.862174	7.583506	7.72276	7.395894	7.537874	7.434628	7.515847	7.453965	7.419023
SETD6	SETD6	6.811367	6.996172	6.851479	6.924471	6.937821	6.982316	6.760515	6.817458	6.857422	6.869506	6.657482	6.882281
SETD8	SETD8	7.525884	7.903173	7.902288	8.47158	8.261806	8.632103	8.22844	8.418639	8.27737	8.530785	8.267639	8.115554
SETDB1	SETDB1	8.695039	9.054879	8.621812	9.059784	9.137831	8.89197	8.475777	8.606124	8.447434	8.415672	8.156038	8.049238
SETDB2	SETDB2	7.992589	8.45551	7.764048	8.485439	8.401952	8.775809	8.592053	8.213204	8.395686	8.288624	7.772927	8.395023
SETMAR	SETMAR	9.782274	10.14815	10.17909	10.00769	9.765778	10.1939	9.643607	9.624083	9.508866	9.555975	9.067934	8.887158
SETX	SETX	7.664439	8.166868	7.826486	8.298454	7.661304	8.08972	7.984814	8.069428	7.761659	7.784822	7.492833	7.889676
SEZ6	SEZ6	7.604514	7.181793	6.939136	6.963256	6.882302	6.934394	6.978375	6.824691	6.929347	6.985781	6.82357	6.85068
SEZ6L	SEZ6L	6.840252	6.954362	6.964834	7.064594	6.825493	6.735623	6.802147	6.926626	6.997378	6.895574	6.595359	6.748567

SEZ6L2	SEZ6L2	9.44254	9.147706	8.559986	8.749947	9.275818	8.256226	8.166164	8.195052	8.48519	7.936426	8.058073	7.906776
SF1	SF1	7.748485	7.911633	7.619221	8.035122	7.807572	7.849524	7.68602	7.510672	7.645222	7.50483	7.228511	7.284071
SF3A1	SF3A1	7.977694	8.194733	7.617426	7.841848	7.722414	8.173377	7.650499	7.733644	7.578018	7.689607	7.531386	7.58361
SF3A2	SF3A2	10.25624	10.14217	9.392228	9.753036	9.772424	9.549326	9.335862	9.707333	9.299639	9.563056	9.612129	8.775533
SF3A3	SF3A3	12.23535	12.5877	11.92727	11.81683	11.23554	11.49323	10.71016	10.3499	10.60698	10.3175	9.739215	10.00851
SF3B1	SF3B1	10.19878	10.53239	10.35377	10.65232	10.362	10.67065	9.843953	9.97648	9.956188	9.82449	9.527523	9.729346
SF3B14	SF3B14	11.2569	11.85341	11.37519	11.36215	11.48362	12.11951	11.56406	11.44826	11.73703	11.52665	11.4786	10.59172
SF3B2	SF3B2	10.95072	10.91375	10.2438	10.73806	10.1815	10.54521	9.981365	10.29761	10.0221	10.18081	10.37223	10.27363
SF3B3	SF3B3	11.29459	11.62147	10.97162	10.96792	10.85717	10.63761	10.25332	10.1028	10.23578	10.03837	9.416492	9.840085
SF3B4	SF3B4	10.83252	11.17646	10.33408	10.21345	10.0711	10.82832	9.868963	10.37486	9.746828	10.15443	10.64415	9.453938
SF3B5	SF3B5	11.20662	11.61523	11.28536	11.33989	11.447	12.10498	11.48495	11.42358	11.58791	11.60534	11.62209	11.06589
SF4	SF4	8.581093	8.961507	8.343744	8.651101	8.507496	9.148747	8.623345	8.766106	8.684489	8.800486	8.664021	8.792874
SFI1	SFI1	6.999862	7.21254	6.925842	7.147039	7.007279	6.945386	7.011073	6.978814	6.951668	7.016664	6.824348	6.86163
SFMBT1	SFMBT1	7.675699	8.004195	7.33112	7.484919	7.306249	7.388166	7.207557	7.429029	7.228518	7.407451	7.161345	7.400326
SFMBT2	SFMBT2	7.203322	7.141093	7.02787	7.204031	7.049211	7.309979	7.292079	7.317346	7.164806	7.15776	6.850091	7.509264
SFN	SFN	6.960863	7.571976	7.318729	7.144462	6.917329	6.933158	6.90676	6.952604	6.870245	6.815632	6.818228	6.833075
SFPQ	SFPQ	8.488879	8.710852	8.33886	8.206077	8.192834	8.044933	7.835651	7.758998	7.78668	7.646578	7.418463	7.500439
SFRP1	SFRP1	12.95119	12.5772	11.58273	11.58493	12.02627	12.93828	12.97059	13.44033	13.01743	13.11999	12.67096	12.1375
SFRP2	SFRP2	10.98004	11.32089	10.09639	7.771129	7.635749	7.24499	7.537008	8.038529	9.295987	7.56622	7.072544	6.938596
SFRP4	SFRP4	6.890872	7.020751	6.881368	7.117739	6.938932	7.01749	6.93491	7.15018	7.385995	7.277912	7.464321	7.024621
SFRP5	SFRP5	6.889481	7.038703	7.001737	8.025635	7.838629	7.207558	7.26843	7.380671	7.285117	7.197441	7.10341	6.866488
SFRS1	SFRS1	12.6862	13.32649	12.56789	12.73528	12.3337	12.74654	12.163	11.81921	11.88169	11.76213	11.18667	11.42847
SFRS10	SFRS10	12.29842	12.71394	12.11995	12.33289	11.87437	12.01528	11.55445	11.14078	11.50443	11.33399	10.72451	10.65564
SFRS11	SFRS11	8.744486	9.326055	8.8603	8.888995	8.87795	8.549289	8.651219	8.108115	8.658255	8.325521	8.01061	8.455642
SFRS12	SFRS12	8.434404	9.104319	8.89235	9.370924	9.097665	9.296437	8.994809	8.704425	8.904089	8.643557	8.308276	8.617246
SFRS14	SFRS14	10.23582	10.20119	9.557587	10.15328	10.24652	10.93393	10.68551	10.54844	10.54315	10.50545	9.911198	9.799731
SFRS15	SFRS15	9.122602	9.439164	8.83923	9.075163	8.732592	8.902853	8.186521	8.393821	8.242873	8.24477	8.320601	8.219664
SFRS16	SFRS16	7.480859	7.940823	7.584684	7.93089	7.69682	7.811953	7.517526	7.508006	7.562738	7.456796	7.535673	7.403725
SFRS2	SFRS2	13.50903	13.87665	13.49546	13.37226	13.14156	13.17777	12.50513	12.60218	12.45492	12.43713	12.12104	11.90087
SFRS2IP	SFRS2IP	7.950372	8.20602	8.002381	8.26476	8.084442	8.741998	8.02919	8.215127	7.97859	8.146984	8.085887	8.153333
SFRS3	SFRS3	9.770432	10.07467	10.04522	10.08209	9.871296	9.94665	9.25169	9.409278	9.119689	9.11222	8.947721	8.373956
SFRS4	SFRS4	11.52846	11.60138	11.47687	11.78663	11.73038	12.00601	11.09762	11.32864	11.12896	10.95276	11.10557	10.96426
SFRS5	SFRS5	12.19718	12.39965	12.42157	12.52296	12.26228	12.63282	12.06452	12.00852	12.08872	11.85543	10.73876	11.63274
SFRS6	SFRS6	13.03649	13.07462	13.22653	13.60232	13.22439	13.4968	12.89661	12.69075	12.8002	12.57461	11.72781	11.95818
SFRS7	SFRS7	10.94231	11.41183	11.53849	11.55656	11.21717	11.20461	10.48696	10.71572	10.35669	10.33229	9.930034	9.436387
SFRS8	SFRS8	8.119132	8.389203	7.954825	8.317296	8.111522	8.347696	8.099426	7.971461	8.087739	8.079506	7.799071	7.863365

SFRS9	SFRS9	12.82457	13.29913	12.61384	12.75133	12.47439	11.70286	11.12716	11.199	11.31004	10.82594	11.45244	10.89313
SFT2D1	SFT2D1	11.63403	11.80737	11.31626	11.14419	11.12365	11.40137	10.93151	11.19039	11.19866	11.15089	11.54023	10.76067
SFT2D2	SFT2D2	6.99479	7.287704	6.966201	7.214744	7.066955	7.144427	7.109689	7.22412	6.950007	7.162819	6.931576	7.069946
SFT2D3	SFT2D3	7.665301	7.811892	7.758714	7.835021	7.817322	7.616296	7.496949	7.623806	7.560374	7.41445	7.374613	7.323625
SFTPA1	SFTPA1	6.853947	7.039688	6.82886	6.93855	6.876343	6.941301	6.859944	6.870889	6.834501	6.907607	6.681438	6.791323
SFTPA2	SFTPA2	6.872667	7.056469	6.816997	6.969102	6.905346	7.075438	6.896654	6.934441	6.829442	6.953467	6.833345	6.788041
SFTPB	SFTPB	6.923224	7.108923	6.847305	7.01973	6.961148	7.051315	6.941645	6.994927	6.964888	6.949222	6.788296	6.91232
SFTPC	SFTPC	6.816401	6.972301	6.772852	7.054531	6.923659	6.908867	6.835758	6.983542	6.746012	6.89436	6.858992	6.793344
SFTPD	SFTPD	6.939291	7.206364	6.895145	7.153895	7.894705	7.254933	7.056447	7.079958	7.227196	7.067608	7.067355	7.045363
SFTPG	SFTPG	7.112896	7.263478	7.029657	7.185252	7.106839	7.18717	7.14778	7.083839	7.050094	7.275516	6.892878	7.064864
SFXN1	SFXN1	8.698197	8.883603	8.853039	9.021835	8.882087	9.254632	8.600738	9.173797	8.52905	8.824776	9.221532	8.726568
SFXN2	SFXN2	7.771733	8.470514	7.867851	7.870489	7.826568	7.89142	7.6625	7.537341	7.395178	7.408707	7.191942	7.184713
SFXN3	SFXN3	7.045305	7.359012	6.957264	7.203297	7.097355	7.204814	7.187858	7.299811	7.093808	7.048832	7.239909	6.988951
SFXN4	SFXN4	9.24104	9.745504	8.944794	9.180387	9.419047	10.83071	10.13371	10.06972	9.868563	10.03538	9.795146	9.790906
SFXN5	SFXN5	8.375522	9.254475	8.470852	8.075903	7.814684	7.871229	7.796283	7.939157	7.893207	7.631064	7.592996	7.357015
SGCA	SGCA	7.064327	7.122602	6.97155	7.120402	7.162943	7.463426	7.574733	7.737039	7.804333	8.115403	8.121816	8.14817
SGCB	SGCB	7.330653	7.849732	7.394161	7.698952	7.854437	8.50675	8.607585	8.490387	8.454484	8.748185	8.379138	8.637815
SGCD	SGCD	6.876538	7.126077	6.817787	7.022433	7.010506	7.080797	7.021554	7.142774	7.237045	7.061882	6.989567	7.034123
SGCE	SGCE	10.02417	10.16553	9.727834	9.931464	10.21257	10.3358	9.879585	10.32443	10.18523	10.09305	10.19546	9.97002
SGCG	SGCG	6.836722	7.107879	6.956935	7.170904	7.097725	6.936227	6.880114	6.988752	7.402488	7.651876	7.186755	7.791785
SGCZ	SGCZ	6.940389	7.116932	6.749601	7.153848	6.993218	7.1143	6.89201	6.951863	6.88005	7.224284	6.83343	6.798412
SGEF	SGEF	6.989852	7.109414	6.90049	7.04569	6.936394	6.943311	6.920181	6.894652	6.884822	6.859907	6.753451	6.850481
SGIP1	SGIP1	6.910439	7.05809	6.857634	7.474415	7.044365	7.061617	6.971091	7.152185	7.450808	7.272813	7.789455	7.93325
SGK	SGK	9.914291	9.530888	9.255172	9.321545	8.884052	9.639624	9.06769	9.668457	9.856701	9.767502	10.93661	10.42782
SGK2	SGK2	6.879593	7.037253	6.812682	7.058524	6.987055	7.102745	6.850959	6.946794	6.875601	6.926149	6.79639	6.769405
SGK3	SGK3	7.783508	8.163171	7.440952	7.674564	7.700922	7.518935	7.338389	7.257146	7.333911	7.304831	7.034568	7.376093
SGOL1	SGOL1	8.570456	8.770492	8.40784	8.410977	8.044671	7.873316	7.511841	7.578917	7.459046	7.519621	7.282749	7.069699
SGOL2	SGOL2	8.047792	8.085772	7.854081	8.062414	7.705571	7.700249	7.525215	7.53136	7.450685	7.421113	7.127894	7.096969
SGPL1	SGPL1	7.912238	8.328047	8.060946	8.704596	8.279978	8.810876	8.343639	8.353925	8.062215	8.041541	7.743466	7.544661
SGPP1	SGPP1	7.013278	7.230633	7.006205	7.312552	7.207635	7.275504	7.033591	7.176594	7.082116	7.06295	7.228194	7.08599
SGPP2	SGPP2	6.985614	7.134574	6.836368	7.249293	7.303977	7.465269	7.59792	7.624369	7.453961	7.66285	7.093663	7.618585
SGSH	SGSH	8.046653	8.403644	8.286838	8.885577	9.272282	9.194866	8.832374	9.067766	8.736795	8.61458	9.362944	8.713078
SGTA	SGTA	8.124783	8.507322	7.798692	8.140502	8.11054	8.452278	8.028116	8.096235	8.008998	8.155205	8.38483	8.439574
SGTB	SGTB	7.071141	7.384673	6.926119	7.198204	7.163875	7.278145	7.013629	7.108731	7.127655	7.07811	6.965685	7.006081
SH2B1	SH2B1	7.899837	7.979319	7.627837	7.771906	8.02807	8.42448	8.154349	8.204346	8.05976	8.076087	7.780809	7.685669
SH2D1A	SH2D1A	7.482321	7.772866	7.146882	7.552841	7.141877	7.822443	7.512584	7.417813	7.510667	7.604538	7.209874	7.466006

SH2D1B	SH2D1B	6.866427	7.014704	6.91631	6.936034	6.966585	7.130979	6.850181	6.938656	6.763671	6.873201	6.720486	6.764242
SH2D2A	SH2D2A	7.161807	7.427342	6.975135	7.221892	7.182007	7.21584	7.039061	7.07729	7.227713	7.186986	6.903836	6.968873
SH2D3A	SH2D3A	7.379448	7.626971	7.202544	7.263158	6.954326	6.989783	6.829841	6.86843	6.971658	6.942634	6.861113	6.81642
SH2D3C	SH2D3C	7.107284	7.47152	6.826845	7.078606	7.146399	7.191367	7.017928	7.089829	7.07759	7.027623	6.895066	6.962263
SH2D4A	SH2D4A	7.371635	7.780191	7.364106	7.59089	7.26755	7.312059	7.14629	7.144441	7.029643	7.126634	7.104333	7.030665
SH2D4B	SH2D4B	6.908727	7.030313	6.918735	7.159234	6.881937	6.8687	6.833044	6.875177	6.813461	6.82623	6.702922	6.869918
SH2D5	SH2D5	7.895664	7.656753	7.188569	7.333994	7.086622	7.226393	7.048706	7.127222	7.028306	7.052443	6.987846	7.053468
SH3BGR	SH3BGR	7.158586	7.441952	7.176811	7.292185	7.371222	8.013091	8.283924	8.385762	8.508113	8.899657	8.515597	8.678357
SH3BGRL	SH3BGRL	9.681438	10.24267	9.753053	10.11414	10.48716	11.28571	10.93403	10.73762	10.73508	10.17577	10.10286	9.834712
SH3BGRL2	SH3BGRL2	9.617892	9.35801	9.591008	10.5183	10.40451	11.00779	10.30949	10.01685	9.942574	9.72206	8.629839	9.149999
SH3BGRL3	SH3BGRL3	9.351616	9.813083	8.968511	9.885943	9.548397	8.674603	9.018111	9.453398	9.544655	9.413375	11.096	9.530701
SH3BP1	SH3BP1	7.523813	7.659046	7.418564	7.690513	7.410037	7.232276	7.022002	7.179181	7.04584	7.09784	6.931262	7.048878
SH3BP2	SH3BP2	6.981568	6.972795	6.839122	7.178756	6.90862	6.954481	6.790167	7.062381	6.953756	7.021422	6.867166	6.977439
SH3BP4	SH3BP4	9.724624	10.02034	9.630234	10.81639	10.23087	10.7423	9.926199	10.09364	9.770228	9.708822	9.927605	9.844827
SH3BP5	SH3BP5	6.90084	7.074642	6.78216	7.12177	6.977109	7.041667	6.844566	7.014059	6.949572	6.964031	6.794556	6.839239
SH3BP5L	SH3BP5L	7.912722	8.444544	7.85542	8.039493	8.074511	8.335665	8.176528	8.295235	8.034947	8.244583	8.355615	8.252047
SH3D19	SH3D19	9.612527	9.883414	9.497631	9.446889	9.158361	9.562805	9.367272	9.571734	9.377694	9.747474	9.694216	9.874268
SH3GL1	SH3GL1	8.978717	9.281849	8.618868	8.984878	8.746501	8.906133	8.825879	8.374809	8.840747	8.632053	8.181244	8.718785
SH3GL2	SH3GL2	9.113861	9.341698	7.894133	7.793725	7.649863	7.890964	7.641109	8.11736	9.180335	8.892443	9.48045	9.297137
SH3GL3	SH3GL3	9.840523	9.573526	9.129291	9.756784	11.21266	12.51812	11.30552	11.32534	10.58233	10.4692	9.345904	8.345334
SH3GLB1	SH3GLB1	9.352455	10.04682	9.632185	10.38783	10.22179	11.33549	10.9371	11.45524	11.1609	11.48442	11.94067	11.44862
SH3GLB2	SH3GLB2	10.8657	10.66072	10.54831	10.81156	11.24882	11.57162	11.30779	11.4849	11.30858	11.18567	11.02398	10.73763
SH3KBP1	SH3KBP1	8.617038	9.357933	9.234477	9.861396	9.838847	10.63693	9.980589	10.16415	9.810772	10.10202	10.35036	10.29382
SH3MD2	SH3MD2	8.005586	8.502735	8.313147	8.751667	7.875782	7.747841	7.385925	7.628349	7.758711	7.721015	8.241395	8.363419
SH3MD4	SH3MD4	6.952637	7.184579	7.115267	7.180029	7.156704	7.315337	7.3835	7.462047	7.410631	7.501244	7.558152	7.40796
SH3PX3	SH3PX3	7.713791	7.962659	7.441785	7.722519	7.542188	7.339353	7.178089	7.215505	7.191143	7.184377	7.439166	7.228329
SH3PXD2A	SH3PXD2A	8.67165	8.554381	9.953453	11.30679	11.07271	11.61331	11.2553	11.09825	10.70365	10.83272	10.17771	10.73631
SH3PXD2B	SH3PXD2B	8.501253	8.51132	8.013953	8.286767	7.902265	7.43946	7.274293	7.362767	7.589037	7.150385	7.502199	7.311342
SH3RF2	SH3RF2	7.239081	8.058017	7.968289	10.20473	10.07348	10.33181	10.22162	10.06345	10.02859	10.35707	9.693705	9.926863
SH3TC1	SH3TC1	6.826223	7.135226	6.996552	7.103489	7.10081	6.968583	6.948323	6.960434	6.947168	6.848976	6.812481	6.847218
SH3TC2	SH3TC2	6.983817	7.181654	6.935001	7.147252	6.982368	7.168707	7.01537	7.032336	7.11197	7.088451	6.818723	6.87039
SH3YL1	SH3YL1	8.611052	9.091812	8.172921	8.587256	8.613701	8.366556	8.382169	8.025953	8.51611	7.976413	7.557953	7.891595
SHANK1	SHANK1	6.920245	6.972471	6.881368	6.926884	6.875359	6.972609	6.836843	6.877339	6.737317	6.847876	6.79331	6.640016
SHANK2	SHANK2	7.597482	7.406146	7.017369	7.09208	7.101106	7.009125	6.869026	6.945407	7.023047	6.947408	6.731964	6.904984
SHANK3	SHANK3	8.274159	8.385523	8.113356	8.967154	9.031032	8.669559	8.299743	8.315017	8.310757	7.916864	7.936834	7.831059
SHARPIN	SHARPIN	7.326701	7.792608	7.250452	7.525564	7.428312	7.583496	7.497656	7.576066	7.555196	7.628381	7.567692	7.631424

SHB	SHB	7.362034	7.718575	8.190546	7.6442	7.818056	7.988493	8.127421	8.598405	8.284774	8.768044	8.982937	8.12059
SHBG	SHBG	7.252971	7.553598	7.280169	8.014417	7.870159	8.148652	7.708017	7.542685	7.530591	7.634119	7.222192	7.44844
SHC1	SHC1	10.15742	10.54294	9.68368	9.807334	9.297338	9.202522	9.025377	9.569122	9.457564	9.402321	10.3913	9.485524
SHC2	SHC2	6.927053	7.263056	6.988178	7.406306	7.38584	7.325051	7.171076	7.295632	7.287472	7.300257	7.092851	7.198398
SHC3	SHC3	7.052008	7.364201	6.95662	7.086771	7.029913	7.126347	7.053608	7.067336	7.225736	7.184793	7.157367	7.041968
SHC4	SHC4	6.930547	7.170847	6.876678	7.165752	7.094176	7.249262	7.046227	7.239517	7.327033	7.210219	7.181649	7.11929
SHCBP1	SHCBP1	11.96255	12.72954	12.22808	12.69312	12.55263	12.56734	12.71042	12.19047	12.49755	12.23237	11.53018	12.34097
SHD	SHD	7.608368	7.892499	7.750142	8.824596	8.918712	11.53187	11.34177	11.275	11.53046	11.59118	10.5803	11.00714
SHE	SHE	7.068736	7.253932	7.02136	7.339996	7.29567	7.064573	7.006487	7.060901	6.980011	7.090968	6.81058	6.959333
SHF	SHF	7.049743	7.259782	7.082127	7.162658	7.027423	7.214304	6.963307	6.992857	7.063712	6.966912	6.891709	6.840272
SHFM1	SHFM1	12.54486	12.96971	12.4342	12.30967	12.15835	12.11014	11.86011	11.89766	12.14858	11.99438	12.01763	11.16098
SHH	SHH	6.889877	7.206234	6.959344	7.362531	7.191574	7.331726	7.025033	7.144213	7.208603	7.177968	7.053037	7.06931
SHKBP1	SHKBP1	7.838008	7.912718	7.766654	7.874435	7.560786	7.484193	7.404652	7.55883	7.404502	7.477434	7.628376	7.527891
SHMT1	SHMT1	8.956182	9.109754	8.672169	8.879083	8.481125	8.175398	7.81977	7.653739	7.753641	7.708004	7.341715	7.494012
SHMT2	SHMT2	12.37824	12.84084	11.44776	11.56389	11.40635	11.03895	10.86683	10.90916	11.06846	10.75575	11.23364	11.11913
SHOC2	SHOC2	7.930903	8.52256	8.068111	8.681728	8.49738	9.177997	8.854353	8.735272	8.850086	8.837609	8.617475	8.886928
SHOX	SHOX	6.763461	7.078952	6.795672	7.006113	6.929568	6.986788	6.895453	6.933747	6.899143	6.955617	6.761145	6.848336
SHOX2	SHOX2	6.971778	7.18435	6.986769	7.203578	7.123806	7.189175	7.044506	7.073043	7.143746	7.124991	6.977331	6.956818
SHPRH	SHPRH	7.964413	8.201956	7.930066	8.125923	7.944667	7.78263	7.571149	7.594215	7.465059	7.448527	7.210878	7.312534
SHQ1	SHQ1	8.389086	8.690756	8.314781	8.172443	7.975816	8.502153	7.898186	7.959695	8.00141	7.853394	8.219865	8.237569
SHRM	SHRM	9.947843	9.760705	8.630077	9.055343	9.814478	9.385977	9.02838	9.587252	9.146298	9.487204	9.602336	9.119301
SHROOM4	SHROOM4	8.429275	9.102518	8.65424	8.962451	9.182983	9.208514	9.310854	9.073917	8.981476	9.022974	8.892283	8.906102
SI	SI	6.91887	7.034416	6.848793	7.030008	6.969397	7.053979	6.937431	6.894319	6.864985	6.975077	6.723199	6.827439
SIAE	SIAE	7.233205	7.332521	7.100312	7.215623	7.127671	7.013954	7.136769	7.034542	6.958566	6.959267	6.894432	6.979145
SIAH1	SIAH1	10.11161	10.30248	10.20901	9.872976	9.653013	10.12365	9.499406	9.493376	9.549296	9.405113	9.190035	8.977452
SIAH2	SIAH2	7.82968	8.138513	7.617205	8.009068	7.893059	8.237701	7.991014	8.30254	7.930791	8.198804	8.147425	8.205503
SIAHBP1	SIAHBP1	11.86967	12.1025	11.55411	11.83112	11.74418	12.08452	11.62967	11.69702	11.59788	11.75084	11.45228	11.59639
SIDT1	SIDT1	6.732803	6.94292	6.647191	6.90234	6.847809	7.076697	6.849164	6.807054	6.762716	6.834408	6.709771	6.683565
SIDT2	SIDT2	9.08685	9.34429	9.22897	9.875831	9.602134	10.14335	9.908	9.779356	9.7677	9.80483	9.407469	9.766062
SIGIRR	SIGIRR	7.466474	7.617679	7.164716	7.290011	7.164557	7.167093	7.155892	7.122278	7.096728	7.19262	6.955128	7.059609
SIGLEC10	SIGLEC10	6.783775	6.951325	6.72451	6.950111	6.849568	6.887784	6.814133	6.881323	6.681301	6.890126	6.676471	6.695422
SIGLEC11	SIGLEC11	6.94241	7.183329	6.82437	7.138752	6.940398	7.000735	6.929931	6.86947	6.97697	6.902364	6.930594	6.910223
SIGLEC12	SIGLEC12	6.942572	7.091482	6.865883	7.032987	7.006753	7.080935	6.880198	6.958687	6.985249	6.962803	6.826774	6.887299
SIGLEC5	SIGLEC5	6.844605	6.958319	6.709213	6.931393	6.889297	6.89236	6.752488	6.917759	6.8547	6.844606	6.800675	6.784023
SIGLEC6	SIGLEC6	7.07312	7.245149	7.043031	7.231378	7.080082	7.08549	7.025472	6.951183	7.02801	7.04544	6.87764	6.960182
SIGLEC7	SIGLEC7	6.958633	7.079897	6.820874	7.045948	6.973187	6.980159	6.859077	6.931969	6.851357	7.011418	6.794834	6.844321

SIGLEC8	SIGLEC8	7.099594	7.190006	6.88383	7.186146	7.074309	7.3338	7.037639	7.076653	7.089324	7.221885	6.934254	6.964783
SIGLEC9	SIGLEC9	6.860523	6.993345	6.834789	7.0411	6.853435	6.976956	6.837505	7.01021	6.923291	6.997218	6.758849	6.875644
SIGLECP1	SIGLECP1	6.813853	6.977448	6.735545	6.988091	6.943427	6.992929	6.819503	6.945759	6.767707	6.945727	6.749429	6.802456
SIGLECP3	SIGLECP3	6.944055	7.039898	6.814135	7.071736	6.944194	7.033812	6.906726	6.96208	6.976069	6.956108	6.767459	6.904815
SIKE	SIKE	7.123975	7.283014	7.006666	7.141535	7.106156	7.329731	7.172522	7.206976	7.166719	7.073703	6.968924	7.369636
SIL1	SIL1	7.599461	7.989025	7.787812	8.432885	8.7975	9.400991	9.138469	9.146232	9.294168	9.1916	9.090711	9.601033
SILV	SILV	10.45165	10.50743	8.846626	9.617114	8.443091	7.423383	7.188896	7.140795	7.237569	6.955661	6.710719	6.960635
SIM1	SIM1	6.847488	7.126405	6.833446	7.050853	6.97044	6.970071	6.886887	6.973695	6.931767	6.949193	6.845053	6.839878
SIM2	SIM2	7.007921	7.076852	6.784403	7.011404	6.92364	6.951706	6.842021	6.987832	6.904412	6.9289	6.884903	7.002937
SIN3A	SIN3A	10.44263	10.38227	10.17707	10.0817	9.83992	9.319569	9.039436	9.085669	8.818357	8.78058	8.807171	8.888036
SIN3B	SIN3B	7.800408	8.157399	7.458341	8.087297	7.729704	7.959202	7.783665	7.770792	7.755296	7.76622	7.647866	7.551248
SIP1	SIP1	9.804901	10.07082	9.40582	9.256663	9.118099	10.14763	9.43503	9.504828	9.601105	9.503152	9.362167	9.040144
SIPA1	SIPA1	8.94347	9.061183	7.975299	8.332001	8.231596	7.814122	7.758155	7.564025	7.749313	7.690841	7.499949	7.781663
SIPA1L1	SIPA1L1	7.324385	7.785869	7.380349	7.566748	7.303621	7.417894	7.276948	7.159638	7.200323	7.284058	7.089747	7.306776
SIPA1L2	SIPA1L2	8.961754	10.21341	11.27698	13.37639	12.80174	13.4098	13.00773	12.89927	12.83138	12.72555	11.57167	12.22605
SIPA1L3	SIPA1L3	7.303463	7.404203	7.161682	7.298541	7.113812	7.352558	7.227922	7.383265	7.24124	7.213714	7.154249	7.332915
SIRPB1	SIRPB1	7.023147	7.203856	6.931555	7.192757	7.031683	7.180151	7.034079	7.044784	6.931449	7.156357	7.066066	7.014439
SIRPB2	SIRPB2	6.846963	7.014601	6.643831	6.998242	6.929645	6.796557	6.814412	6.980166	6.896639	6.933046	6.730553	6.853944
SIRPD	SIRPD	6.992501	7.056771	6.883688	7.04136	7.033198	7.037509	6.898911	6.949858	7.016934	6.8751	6.733899	6.850236
SIRPG	SIRPG	8.806614	8.984168	8.592858	8.734194	8.808471	8.785202	8.471478	8.178077	8.59219	8.261699	7.875381	8.152585
SIRT1	SIRT1	10.00464	10.93267	9.471499	9.641948	9.220937	9.743522	9.03327	8.948179	8.965286	8.830963	8.783748	9.055153
SIRT2	SIRT2	6.930227	7.161286	6.892649	7.258841	7.259634	7.490404	7.453651	7.577226	7.607699	7.843129	7.660022	7.572328
SIRT3	SIRT3	6.871125	7.199294	6.900562	7.088239	6.981296	7.061067	6.959981	7.004968	6.99663	6.985353	6.817044	6.908397
SIRT4	SIRT4	7.762813	7.486607	7.393655	8.141959	8.166943	9.028386	8.651213	8.825183	8.813499	8.597695	8.39301	8.501588
SIRT5	SIRT5	8.190562	8.647419	8.10382	7.914561	7.942406	8.859377	8.422501	8.327543	8.220734	8.336066	8.0168	8.130385
SIRT6	SIRT6	7.086957	7.148751	6.944263	7.112238	6.9989	7.139287	7.00989	7.010848	7.138676	7.148457	7.016217	6.871356
SIRT7	SIRT7	7.485038	7.422961	7.200533	7.323589	7.269533	7.464719	7.209161	7.353446	7.185607	7.290384	7.233983	7.186346
SIT1	SIT1	6.982161	7.066353	6.852599	6.973947	7.016249	7.071153	6.917629	6.973903	6.891551	7.011658	6.833052	6.841354
SIVA	SIVA	10.33911	10.96675	10.38695	10.20903	10.20287	10.03681	9.832579	9.636687	9.876801	9.859719	9.590342	9.550478
SIX1	SIX1	6.879805	7.056371	6.786312	6.912817	7.000414	6.810784	6.815713	6.920947	6.944687	6.971607	6.796854	6.956294
SIX2	SIX2	6.869008	7.024199	6.856486	6.890357	6.922607	6.916855	6.768318	7.022913	7.002414	6.926095	6.807058	6.818218
SIX3	SIX3	6.94221	7.245502	6.998191	7.084073	7.068826	7.147947	6.997814	7.076495	6.954211	7.002687	6.942886	7.018904
SIX4	SIX4	10.45241	10.53226	9.372242	9.533774	9.117091	9.307953	8.208559	8.122611	8.569187	8.043262	8.233216	8.727524
SIX5	SIX5	9.583611	9.77508	9.655126	10.01757	9.885923	10.13536	9.890488	9.7831	9.691147	9.568778	9.08709	9.528458
SIX6	SIX6	6.879206	6.897971	6.787775	6.93765	6.841747	6.850014	6.766646	6.795643	6.835671	6.835472	6.705349	6.796505
SKAP1	SKAP1	6.889961	7.047159	6.760821	7.118878	6.843789	6.92323	6.831195	6.917941	6.864385	6.861015	6.73382	6.818109

SKAP2	SKAP2	7.101709	7.573008	7.299676	7.762074	7.595171	7.282669	7.329562	7.14946	7.842054	7.384139	7.242691	7.335053
SKI	SKI	7.654235	7.91178	7.568523	7.922761	7.706269	7.796505	7.474423	7.574495	7.500006	7.544191	7.466691	7.649352
SKIL	SKIL	7.201777	7.78521	7.130706	7.209361	7.050246	7.22197	7.092333	7.044276	7.058628	7.105258	7.00646	7.140611
SKIP	SKIP	7.021036	7.161997	7.022564	7.165941	7.362532	8.1783	8.872674	9.212858	8.116988	9.151742	7.942305	8.844169
SKIV2L	SKIV2L	9.393483	9.67791	9.144863	9.589663	9.385899	9.371833	9.115719	9.113013	9.029169	9.192179	9.103971	9.235752
SKIV2L2	SKIV2L2	10.37767	10.72903	10.20541	10.4128	9.920696	10.73022	9.972338	9.943924	10.03654	10.0385	9.710978	9.837481
SKP1A	SKP1A	9.864791	10.14044	10.0882	10.10478	10.14239	11.08195	10.51135	10.61797	10.61676	10.67008	10.57334	10.36162
SKP2	SKP2	10.43796	10.36547	10.04723	10.65469	10.56184	10.56664	9.092503	8.869154	8.8488	8.49793	8.087393	7.747439
SLA	SLA	6.885788	7.02435	6.812498	7.199831	7.017474	6.910014	6.878239	6.898071	6.934028	6.949724	6.788946	6.823747
SLA/LP	SLA/LP	7.588	7.933308	7.620265	7.835311	7.663331	7.675199	7.492166	7.540395	7.50094	7.459674	7.390112	7.418173
SLA2	SLA2	6.879678	7.062361	6.801676	7.017922	6.960454	6.924998	6.871596	6.966918	6.921284	6.884747	6.782689	6.82406
SLAMF1	SLAMF1	6.786162	6.996349	6.639565	6.9218	6.800844	6.838919	6.70636	6.792144	6.813226	6.824157	6.635835	6.745143
SLAMF6	SLAMF6	6.859506	7.079156	6.837889	7.049855	6.96176	6.971544	6.947626	6.9636	6.848499	7.02256	6.802265	6.891283
SLAMF7	SLAMF7	6.868856	7.044237	6.761067	7.153264	6.874317	7.001441	6.829444	6.928381	6.969514	6.882527	6.712789	6.933135
SLAMF8	SLAMF8	6.894329	7.184715	6.857189	6.937014	7.012724	7.04229	6.936378	7.065724	6.928645	6.942817	6.764694	6.981879
SLAMF9	SLAMF9	7.012408	7.202939	6.958821	7.242889	7.056169	7.158642	6.898554	7.095409	6.970848	7.086263	6.811029	6.915405
SLBP	SLBP	9.120689	9.394293	9.488337	10.18698	9.787663	9.414497	8.703492	8.634563	8.752144	8.452695	8.563916	8.455848
SLC10A1	SLC10A1	6.796826	6.87374	6.673583	6.903417	6.8328	6.743793	6.738502	6.79346	6.785645	6.812558	6.75271	6.741464
SLC10A2	SLC10A2	6.855678	7.037212	6.801782	7.028317	6.901448	7.002423	6.879598	6.927337	6.958219	6.886042	6.790183	6.713992
SLC10A3	SLC10A3	8.613334	8.998587	8.612254	8.947336	8.813523	9.47092	9.169721	9.128015	9.046214	9.039883	9.144561	8.946424
SLC10A4	SLC10A4	7.707094	7.672244	7.326066	7.217272	6.981266	7.037333	6.9098	6.954178	6.950184	6.89407	6.755733	6.848254
SLC10A5	SLC10A5	6.853116	7.012761	6.790401	6.972226	7.011871	7.130113	6.949327	6.997193	6.858984	6.982623	6.795487	6.823334
SLC10A6	SLC10A6	6.850479	6.979547	6.780731	6.907368	6.863776	6.78309	6.739582	6.805373	6.777583	6.931978	6.720755	6.799859
SLC10A7	SLC10A7	6.877954	7.161857	6.865948	6.981857	6.898489	7.008873	6.970762	6.983482	6.878515	6.804212	6.79336	6.814642
SLC11A1	SLC11A1	6.764025	6.96591	6.769385	6.946682	6.888303	6.928558	6.84359	6.839942	6.809898	6.902613	6.752109	6.801968
SLC11A2	SLC11A2	11.32008	11.67013	11.50213	11.41136	11.18411	10.42487	9.8661	9.933228	10.04294	9.663626	9.443629	9.572358
SLC12A1	SLC12A1	6.989949	6.930847	6.783763	6.909355	6.824024	6.904374	6.93595	6.898078	6.852638	7.016997	6.85663	6.791048
SLC12A2	SLC12A2	7.909651	8.211197	8.193214	8.698513	8.354385	8.633752	8.465518	8.238269	8.620459	7.952544	7.889127	7.661617
SLC12A3	SLC12A3	6.889766	7.013999	6.719987	7.006961	6.888276	6.875875	6.778313	6.978819	6.822288	6.879595	6.71153	6.801828
SLC12A4	SLC12A4	7.421266	7.60318	7.374173	7.753953	7.851173	8.462984	8.129032	8.206201	8.130347	8.74335	8.630294	8.856185
SLC12A5	SLC12A5	6.942566	7.12582	6.912535	7.179723	7.125255	7.020798	6.912412	7.054998	7.173452	6.998105	6.897808	6.888551
SLC12A6	SLC12A6	7.018579	7.232569	6.813219	7.100226	6.987987	7.201799	7.077093	7.019473	6.959728	7.082085	6.837751	6.962052
SLC12A7	SLC12A7	6.92603	7.0303	6.912334	7.090509	7.019807	6.982469	6.893829	6.959215	6.956022	6.895207	6.762555	6.915398
SLC12A8	SLC12A8	8.195616	8.468996	7.709151	7.412437	7.263074	7.240383	8.011225	7.978422	8.61881	8.77601	8.612319	8.265182
SLC12A9	SLC12A9	10.26808	10.69556	9.411487	9.986112	10.00138	9.75419	9.472411	9.176628	9.410316	9.022161	8.658894	8.944866
SLC13A1	SLC13A1	6.865151	7.161775	6.790235	7.061869	6.888907	7.010561	6.874825	6.972877	6.86102	6.885043	6.785512	6.853599

SLC13A2	SLC13A2	6.937209	7.109788	6.884691	7.058399	6.979121	7.137555	6.89517	7.042874	7.02344	7.038631	6.941305	6.975827
SLC13A3	SLC13A3	7.214748	7.33677	7.095781	7.192553	7.11241	7.108553	7.070972	7.11272	7.067866	7.060932	6.967036	6.945317
SLC13A4	SLC13A4	7.066669	7.099978	6.839257	6.930656	6.971532	7.054587	6.939634	6.944894	6.903499	6.926393	6.779895	6.826517
SLC13A5	SLC13A5	7.685146	7.427516	7.432478	7.503949	7.481497	6.993595	6.903492	6.884011	7.102463	6.887417	6.865005	6.874799
SLC14A1	SLC14A1	6.870575	7.123413	6.940019	7.056366	7.040245	7.000532	6.856857	6.91428	6.90673	6.980695	7.156253	7.296236
SLC14A2	SLC14A2	7.02496	7.067729	6.915827	7.024916	6.961404	6.99495	6.935064	6.974669	7.01373	7.040727	6.945163	6.933748
SLC15A1	SLC15A1	6.876813	7.060918	6.84592	7.085034	7.012395	7.093352	6.874596	6.949344	6.841971	6.882914	6.767419	6.833889
SLC15A2	SLC15A2	6.934902	7.249491	6.864458	7.161936	6.938908	7.13004	6.923282	6.929989	7.006734	6.995569	6.837956	6.942472
SLC15A3	SLC15A3	9.400727	9.463491	8.499994	7.636239	7.226255	7.167712	7.187003	7.027847	7.265229	7.154546	6.914603	7.082405
SLC15A4	SLC15A4	6.910938	7.12347	6.78989	7.039123	6.911486	6.972564	6.872386	6.99278	6.873559	6.936039	6.818686	6.889892
SLC16A1	SLC16A1	6.994894	7.18809	6.910183	7.125453	7.027063	7.086909	6.978763	6.978999	7.031609	7.005582	6.825707	6.972552
SLC16A10	SLC16A10	10.2426	10.7438	9.952842	9.525546	9.090493	9.796738	8.878494	8.720135	8.831614	8.669874	7.872768	8.294546
SLC16A11	SLC16A11	6.994503	7.083967	6.80277	6.976616	6.897016	6.95089	6.836214	6.98406	7.025116	7.019566	6.79684	6.798267
SLC16A12	SLC16A12	11.9216	12.80085	12.2439	12.72358	12.68501	12.5451	12.68239	12.17728	12.52513	12.15521	11.60402	12.21623
SLC16A13	SLC16A13	6.921052	7.058955	6.932539	7.069703	6.957488	6.914191	6.858211	6.89235	6.99917	6.980849	6.696506	6.890308
SLC16A14	SLC16A14	7.114195	7.28359	6.812876	7.054575	6.978035	7.059904	6.929596	6.992985	7.221691	7.079663	6.878241	6.870917
SLC16A2	SLC16A2	8.07168	8.452869	7.863208	8.181309	7.668904	7.600175	7.584857	7.673691	7.915481	7.559924	7.724039	7.50724
SLC16A3	SLC16A3	8.329385	7.387272	9.179254	11.09697	11.60716	9.124515	9.267813	8.850679	9.194604	9.484868	10.51674	10.91739
SLC16A4	SLC16A4	6.999948	7.108994	6.859957	7.083686	6.968004	7.034339	6.899601	7.051503	7.011235	6.975788	6.833704	6.893927
SLC16A5	SLC16A5	8.557533	8.646279	8.279412	8.628006	8.61047	8.007296	7.998474	7.856495	7.887851	8.105692	7.449062	7.696452
SLC16A6	SLC16A6	6.947635	7.014037	6.751431	7.012182	6.879247	7.065972	6.865261	7.009849	6.860455	6.920929	6.846116	7.078446
SLC16A7	SLC16A7	6.972723	7.172998	6.808252	7.125344	7.013672	7.228561	7.050084	7.147575	7.006629	7.192717	7.017099	7.033486
SLC16A8	SLC16A8	6.88376	6.899537	6.762649	7.015039	6.901789	6.950876	6.815836	6.930866	6.916628	6.867103	6.762205	6.793197
SLC16A9	SLC16A9	9.738188	11.24301	9.445523	9.473985	9.519926	8.168832	7.591517	7.411484	8.283678	7.298709	7.077508	7.075977
SLC17A1	SLC17A1	6.845642	7.048129	6.841525	7.078391	6.850396	6.935059	6.831055	6.95355	6.92674	6.940303	6.851548	6.862282
SLC17A2	SLC17A2	6.993194	7.012493	6.914661	7.028221	6.87532	7.077901	6.89525	6.951406	6.909649	7.003953	6.81095	6.908452
SLC17A3	SLC17A3	7.176233	7.270482	6.885961	7.114102	7.106794	7.210932	7.141746	7.081609	7.058451	7.110569	6.965193	6.964812
SLC17A4	SLC17A4	6.809991	7.034512	6.809529	6.939526	6.913915	6.80197	6.773032	6.890718	6.87949	6.860296	6.878158	6.777343
SLC17A5	SLC17A5	6.901984	7.183778	6.908596	7.095644	7.031124	7.221806	7.014302	7.012542	6.975248	6.870981	6.88459	7.083272
SLC17A6	SLC17A6	7.311102	7.065885	6.840877	6.973766	6.941222	6.991126	6.812851	6.928182	7.741648	6.936682	6.658506	6.821547
SLC17A7	SLC17A7	7.193729	7.145096	7.058998	7.03994	7.017898	7.068828	6.988145	7.009654	6.974214	7.022108	6.982742	6.952154
SLC17A8	SLC17A8	6.868219	7.041252	6.74605	8.374934	7.992305	6.959577	6.960089	6.99949	7.100441	6.917713	6.751894	6.792667
SLC18A1	SLC18A1	7.041966	7.280208	6.953618	7.410688	7.263345	7.143786	6.959383	7.04109	6.935611	7.078078	6.915622	6.952385
SLC18A2	SLC18A2	7.168668	7.129382	6.765997	6.9658	6.870912	6.893236	6.800073	6.894696	6.837518	6.798589	6.712956	6.924097
SLC18A3	SLC18A3	6.932876	6.913506	6.781796	7.021329	7.133348	6.897093	6.833068	6.769259	6.765881	6.847207	6.735009	6.787628
SLC19A1	SLC19A1	7.896583	8.025807	7.467834	7.48883	7.372958	7.348373	7.111977	7.209632	7.039206	7.110391	7.030307	6.980111

SLC19A2	SLC19A2	6.994823	7.204284	6.867318	7.135615	7.075681	7.264137	7.071179	7.077398	7.039055	7.086431	6.837581	6.896769
SLC19A3	SLC19A3	8.031217	7.757397	6.941863	7.792743	7.262482	6.951029	6.87818	6.916454	6.985518	6.894446	6.746442	6.923939
SLC1A1	SLC1A1	7.481236	7.223553	6.838815	7.402357	7.376245	7.627126	7.120679	7.233692	7.234824	7.07912	7.13458	6.889442
SLC1A2	SLC1A2	6.985093	7.141084	6.794416	7.085055	7.079651	6.968672	7.028816	6.952947	6.98883	6.950623	6.667668	6.993608
SLC1A3	SLC1A3	8.692262	7.762735	7.645496	10.04682	9.837623	10.93503	10.01577	9.666144	9.44529	9.030065	8.052031	8.726732
SLC1A4	SLC1A4	7.015066	7.086521	6.818789	7.314111	7.442902	7.898227	7.956131	7.987994	7.817078	8.244859	8.062896	8.354201
SLC1A5	SLC1A5	10.29088	10.82401	9.320041	9.469924	8.997117	8.292754	8.088921	8.084174	8.332121	8.202557	9.086456	8.357356
SLC1A6	SLC1A6	6.897755	7.021285	6.85323	7.023135	6.970739	6.907928	6.868861	6.876768	6.869278	7.061994	6.795901	6.857767
SLC1A7	SLC1A7	6.899715	7.119103	6.951696	7.029504	7.076684	7.159231	6.965979	6.940785	6.954904	6.934603	6.877887	6.86067
SLC20A1	SLC20A1	11.34583	11.63119	11.20769	11.49059	10.72193	10.8596	10.54977	11.15195	11.00962	10.92237	11.72482	11.32308
SLC20A2	SLC20A2	7.987942	8.296061	8.263659	8.409055	8.792595	10.22603	9.930086	10.17115	9.426866	9.989541	9.476682	9.107031
SLC22A1	SLC22A1	6.85817	7.241199	6.851944	7.172989	7.022913	7.162925	6.941858	6.996662	6.900592	7.048082	6.918676	6.868774
SLC22A10	SLC22A10	6.957324	7.213216	6.794909	7.007778	7.003067	7.087458	6.942877	6.938345	6.999354	6.958205	6.844156	6.901785
SLC22A11	SLC22A11	6.858889	7.076097	6.845165	7.050561	7.042554	6.878432	6.842018	6.909326	6.868863	7.133737	6.801056	6.855665
SLC22A12	SLC22A12	6.880465	7.000797	6.828458	7.051248	7.008591	6.966243	6.907613	6.914992	6.838388	6.970102	6.78244	6.835959
SLC22A13	SLC22A13	6.849015	7.088932	6.861253	6.990409	6.970559	7.032735	6.877804	6.928256	6.960419	7.015356	6.876151	6.912293
SLC22A14	SLC22A14	6.926474	6.972667	6.812409	6.939605	7.007738	6.998878	6.962321	6.828076	6.814445	6.797417	6.812701	6.91161
SLC22A15	SLC22A15	7.522236	7.687974	7.59956	7.488353	7.599026	7.950309	7.662463	7.808916	7.797651	7.818153	7.723767	7.640162
SLC22A16	SLC22A16	6.791255	7.007101	6.769833	7.019714	6.881979	6.934855	6.764559	6.871987	6.774527	6.928505	6.662045	6.758868
SLC22A17	SLC22A17	8.706136	8.912497	8.312109	8.998833	8.997004	8.968543	8.859133	8.780603	9.100034	8.833362	8.967096	8.828821
SLC22A18	SLC22A18	7.211443	7.322847	7.09673	7.483317	7.429687	7.832684	7.732199	7.876322	7.722606	7.979014	8.055696	7.906926
SLC22A18	SLC22A18	6.990895	7.160948	6.867665	7.083072	7.083697	7.253247	7.030072	6.949052	6.881863	7.082994	6.843534	6.816861
SLC22A2	SLC22A2	6.87992	7.129927	6.835062	7.021449	6.949319	6.937926	6.897511	6.886047	6.839218	6.882638	6.784928	6.765873
SLC22A3	SLC22A3	6.776088	7.102145	6.890398	7.269232	7.20635	6.894936	6.808745	7.065906	7.015842	6.970753	7.145677	6.881562
SLC22A4	SLC22A4	6.87995	7.241099	6.844224	7.08952	7.104064	7.391954	7.124843	7.291008	7.327806	7.366706	7.785732	7.516821
SLC22A5	SLC22A5	7.256884	7.33313	7.058363	7.684917	8.216763	7.773886	7.764928	7.814691	7.746814	7.88446	7.648403	7.600042
SLC22A6	SLC22A6	6.953238	7.085532	6.802988	7.056661	7.010085	7.134731	6.915588	7.029031	6.915711	6.968541	6.943138	6.852522
SLC22A7	SLC22A7	6.904326	7.119454	6.842458	7.027593	6.910918	6.960054	6.880432	6.971492	6.895782	6.947625	6.795684	6.881589
SLC22A8	SLC22A8	6.949645	7.041463	6.597282	7.009753	6.829521	6.914364	6.902268	6.879052	6.840062	6.82832	6.692525	6.842859
SLC22A9	SLC22A9	6.893314	7.048491	6.818044	6.970122	7.00421	6.978627	6.945129	6.965342	6.927402	6.999456	6.748696	6.831834
SLC23A1	SLC23A1	7.076482	7.331131	6.940609	7.266237	7.209996	7.328967	7.165738	7.203284	7.153344	7.218429	6.96724	7.062873
SLC23A2	SLC23A2	7.064194	7.300725	7.028762	7.194458	7.185335	7.188618	7.073797	7.097671	7.179003	7.114784	6.948941	7.03648
SLC23A3	SLC23A3	6.799367	7.181959	6.838132	7.179635	6.936684	6.958073	6.860053	6.921188	6.939995	6.879282	6.859032	6.637469
SLC24A1	SLC24A1	7.551971	8.052088	7.522061	7.655365	7.764363	7.174883	7.198884	7.191794	7.346904	7.272488	7.004433	7.068082
SLC24A2	SLC24A2	6.951163	7.249074	6.733826	6.966681	6.883957	6.984101	6.940907	6.989698	7.041956	6.808546	6.762013	6.835418
SLC24A3	SLC24A3	7.253285	7.438251	7.118478	7.25519	7.725557	7.433216	7.366755	7.344601	7.519709	7.433104	7.197941	7.184442

SLC24A4	SLC24A4	6.989369	7.201765	6.896077	7.088455	6.982238	7.02043	6.920305	6.948229	6.976144	7.029755	6.930679	6.855754
SLC24A5	SLC24A5	6.945472	7.098342	6.778221	6.896108	6.855577	6.997168	6.768708	6.953622	6.898166	6.862727	6.735801	6.930719
SLC24A6	SLC24A6	8.174405	8.339409	7.724681	7.714124	7.805115	7.602462	7.388474	7.49983	7.70583	7.579776	7.589527	7.492862
SLC25A1	SLC25A1	9.589639	9.479068	8.731383	9.029469	8.905773	8.396224	8.117776	8.500723	8.167921	8.155749	9.041603	8.162833
SLC25A10	SLC25A10	8.620989	8.490307	7.918021	8.322179	8.105458	8.412197	8.088544	7.766967	7.863085	7.881792	7.428515	7.763397
SLC25A11	SLC25A11	7.993717	8.452805	7.752017	8.375529	8.316595	9.226375	9.109914	8.89272	9.018502	9.436406	8.988651	8.914291
SLC25A12	SLC25A12	7.739353	7.998691	7.896386	7.907708	8.563669	10.37039	9.783375	10.01611	9.82578	9.917473	9.707756	9.675175
SLC25A13	SLC25A13	10.76318	11.41677	10.95068	10.53512	10.09722	10.37273	9.643046	9.231074	9.440359	9.246753	8.651824	8.868662
SLC25A14	SLC25A14	8.408667	8.928233	8.593574	8.779188	8.739932	9.441492	8.813529	8.894178	8.967614	8.867347	8.581849	8.427923
SLC25A15	SLC25A15	8.724057	9.275781	8.855544	8.755246	8.532012	8.975637	8.201504	8.207251	8.220546	8.110574	7.907083	7.709656
SLC25A16	SLC25A16	7.213243	7.465978	7.213018	7.424261	7.428764	7.504435	7.376961	7.364757	7.257292	7.316515	7.136336	7.179506
SLC25A17	SLC25A17	8.110529	8.150878	8.078068	8.463506	8.193824	8.355879	7.728162	7.796559	7.642906	7.761958	7.451887	7.394679
SLC25A18	SLC25A18	7.18421	8.047092	7.652439	7.297122	7.130678	7.086033	6.93685	7.035726	6.962645	7.066358	6.806333	6.929274
SLC25A19	SLC25A19	9.471926	9.764599	8.325542	8.227829	8.233947	9.504194	8.781607	8.444325	8.610456	8.615476	7.943404	8.776587
SLC25A2	SLC25A2	6.832964	7.134366	6.804778	6.936052	6.923297	6.87499	6.847249	6.931984	6.861663	6.991103	6.774761	6.802404
SLC25A20	SLC25A20	7.357832	7.847142	7.481209	8.195874	8.380912	9.3195	8.736993	8.629122	8.437252	8.559072	8.338409	8.27902
SLC25A21	SLC25A21	8.201672	8.341537	7.440708	7.642236	7.576741	8.03916	7.516421	7.663684	7.426016	7.308938	7.235252	7.300738
SLC25A22	SLC25A22	9.639919	9.86529	9.394795	9.14463	9.024053	8.195145	8.009793	7.686004	8.220109	7.656902	7.706368	7.770394
SLC25A23	SLC25A23	10.71749	10.86044	9.870802	10.72071	11.02261	11.69851	11.55772	11.5777	11.20331	11.53359	11.49016	10.98326
SLC25A24	SLC25A24	7.303274	7.523577	7.478609	7.615351	7.431096	7.697266	7.449297	7.62717	7.461659	7.485999	7.590616	7.48572
SLC25A25	SLC25A25	8.099774	8.323778	7.825178	7.856862	7.706864	9.349428	7.772178	7.786221	7.848268	7.795036	7.722793	7.714914
SLC25A26	SLC25A26	8.277078	8.709618	8.019252	7.999701	7.97522	8.080965	7.788697	7.852867	7.790205	7.825053	7.738242	7.87172
SLC25A27	SLC25A27	7.372757	7.640979	7.279621	7.403219	7.510573	7.886359	7.734603	7.629517	7.417795	7.700353	7.204077	7.438436
SLC25A28	SLC25A28	9.251991	9.454931	9.039104	9.473246	9.586095	9.615271	9.624679	9.525651	9.711261	9.595976	9.136142	9.473027
SLC25A29	SLC25A29	8.355138	8.650014	7.922159	8.22976	7.692421	7.675215	7.360312	7.385024	7.64145	7.446925	7.227405	7.169708
SLC25A3	SLC25A3	12.33122	12.23405	11.76468	12.22391	12.48021	12.96458	12.59779	12.74436	12.75752	12.80358	12.66308	12.35355
SLC25A30	SLC25A30	6.904846	7.068675	6.820571	7.095866	7.047785	7.109165	6.813697	6.993603	7.056411	7.019311	6.970308	7.041999
SLC25A31	SLC25A31	6.962335	7.085846	6.824786	7.043408	6.984056	7.097507	6.988279	7.008294	7.007341	6.970635	6.874046	6.931241
SLC25A32	SLC25A32	6.933847	7.093774	6.874869	7.057437	7.014355	7.020616	6.913401	6.877522	6.936639	6.966005	6.709327	6.931548
SLC25A34	SLC25A34	7.071751	7.433016	7.295817	7.7296	7.742665	7.869515	7.920949	7.755389	7.760454	7.61261	7.209376	7.536231
SLC25A35	SLC25A35	7.058775	7.303457	7.006091	7.168747	7.273007	7.631909	7.257872	7.358146	7.334213	7.340543	7.113197	7.19948
SLC25A36	SLC25A36	8.505353	8.620509	8.336911	8.862414	8.754117	9.193212	8.475576	8.556188	8.388575	8.316444	8.016927	8.70585
SLC25A37	SLC25A37	8.662133	8.681361	8.719295	9.366183	8.899618	9.216623	9.11856	9.127113	8.778565	8.984469	8.521473	8.729432
SLC25A4	SLC25A4	11.04251	11.37151	9.829658	10.91446	12.28118	14.25919	13.77042	14.10916	13.82906	14.10593	14.16656	14.09845
SLC25A40	SLC25A40	7.412406	7.640684	7.518042	7.503877	7.570231	7.917121	7.549835	7.741693	7.579431	7.651734	7.622638	7.381415
SLC25A42	SLC25A42	8.276354	8.246668	7.75467	8.412485	8.683242	8.654798	8.49813	8.479578	8.498248	8.494796	8.268427	8.94768

SLC25A43	SLC25A43	8.26333	8.117636	7.9288	8.303869	8.359361	8.442086	8.0573	8.125413	8.073483	7.873513	8.329103	7.978968
SLC25A45	SLC25A45	6.875946	7.010353	6.721763	7.017265	6.880642	7.112827	6.901123	6.982087	6.928229	7.105721	6.842686	6.896711
SLC25A5	SLC25A5	13.84689	14.00518	13.41557	13.29775	13.61357	14.44156	14.08671	14.18462	14.13801	14.13575	13.95218	13.58052
SLC26A1	SLC26A1	6.998262	7.171922	6.861616	7.053903	6.967798	7.080417	6.966327	7.006409	6.964494	7.02396	6.867922	6.918873
SLC26A10	SLC26A10	6.964548	7.236379	6.900806	7.206234	7.128354	7.116717	7.110422	7.08941	7.055381	7.084072	6.972234	7.002303
SLC26A11	SLC26A11	7.4988	7.730568	7.40901	7.775288	7.7044	7.894897	7.700615	7.685287	7.614147	7.551117	7.214291	7.48235
SLC26A2	SLC26A2	7.215358	7.424047	7.362413	7.558311	7.594882	7.507799	7.37817	7.343097	7.393624	7.364686	7.199707	7.326536
SLC26A3	SLC26A3	6.825296	7.008866	6.643154	7.065001	6.926378	6.807575	6.751875	6.841059	6.765768	6.784384	6.711063	6.760082
SLC26A4	SLC26A4	6.762997	7.004337	6.765518	6.964	6.905815	6.938165	6.882757	6.876209	6.848074	6.884383	6.776294	6.813996
SLC26A5	SLC26A5	6.902228	7.110472	6.842202	7.023885	6.899768	7.005718	6.881909	6.99407	6.984907	6.910913	6.791312	6.908873
SLC26A6	SLC26A6	8.868341	8.817161	8.306951	8.368483	7.908454	8.211332	7.953988	7.77169	7.789833	7.715012	7.310256	7.610764
SLC26A7	SLC26A7	6.889548	7.071383	6.836139	6.956005	6.886196	6.882316	6.771832	6.885295	6.876014	6.973669	6.694694	6.774274
SLC26A8	SLC26A8	6.913601	7.149871	6.854579	7.066226	7.033769	7.119067	6.987485	6.972102	6.93244	7.049229	6.83608	6.951279
SLC26A9	SLC26A9	6.891734	7.148093	6.782916	7.081799	7.031302	7.129645	7.085904	7.148177	6.997535	7.218223	6.976491	7.025552
SLC27A1	SLC27A1	7.506933	7.76469	7.296562	7.620524	7.829327	7.713921	7.583232	7.775069	7.69109	7.655129	7.479312	7.516564
SLC27A2	SLC27A2	8.486079	8.667217	7.245989	7.319089	7.10825	7.032951	6.824042	6.899724	6.958368	6.895705	6.853244	6.978608
SLC27A3	SLC27A3	9.310191	9.511498	9.235773	8.895613	9.061726	9.178725	8.984015	8.492041	8.438708	8.379354	7.536439	7.844441
SLC27A4	SLC27A4	6.826107	7.002216	6.900862	6.927785	6.832117	7.045126	7.002233	7.025807	6.927337	7.047218	6.703517	6.907786
SLC27A5	SLC27A5	8.082441	8.15764	7.420263	7.604052	7.590319	7.904618	7.77919	7.650366	7.851	7.721471	7.474901	7.517384
SLC27A6	SLC27A6	7.275538	7.484654	7.343286	7.290356	7.389205	8.67612	8.723465	9.357313	8.726327	9.435871	8.60733	9.393766
SLC28A1	SLC28A1	6.910934	7.119617	6.855587	7.029501	7.025665	7.012885	6.920822	6.994171	6.978372	6.995626	6.825585	6.898266
SLC28A2	SLC28A2	6.704166	6.964842	6.7055	6.903358	6.848549	6.885178	6.836567	6.778637	6.757754	6.875956	6.631004	6.746908
SLC28A3	SLC28A3	6.801127	6.917941	6.769276	6.912085	6.847417	6.886288	6.958105	7.042764	7.060765	7.030175	6.757208	6.905534
SLC29A1	SLC29A1	9.793418	9.747741	8.65998	7.840087	7.774755	8.414204	8.167435	8.331195	8.330005	8.434698	8.390139	8.775838
SLC29A2	SLC29A2	8.871013	8.716442	7.654691	7.999974	8.025471	8.711139	8.450065	8.431084	8.26043	8.560166	8.019495	7.793448
SLC29A3	SLC29A3	7.804772	8.14102	7.692177	7.658846	7.29216	7.198144	7.037951	7.181906	7.065171	7.11813	6.877306	6.995147
SLC29A4	SLC29A4	8.001581	8.126754	8.280956	9.103143	9.162243	8.92211	8.679548	8.355102	8.449681	8.038245	7.816792	8.158043
SLC2A1	SLC2A1	11.50676	11.06612	11.21395	11.44222	12.06684	9.711622	9.033466	8.902719	9.471432	9.279369	9.930995	10.65632
SLC2A10	SLC2A10	8.105566	8.401533	7.86913	8.326791	8.205189	8.088017	7.992615	8.226735	8.084331	7.942093	8.521195	8.044504
SLC2A11	SLC2A11	7.205509	7.500628	7.054694	7.317903	7.365167	7.734359	7.48023	7.543801	7.435263	7.486169	7.340912	7.304606
SLC2A12	SLC2A12	7.70988	7.778253	7.281311	7.602022	7.546124	8.487732	8.741103	9.015604	8.89323	9.230557	8.658872	8.653137
SLC2A13	SLC2A13	6.964337	7.092526	6.892599	7.245386	7.06722	7.118478	6.941181	6.985461	6.856982	7.044981	6.913899	7.099094
SLC2A14	SLC2A14	8.040005	8.20383	8.375585	9.143884	8.052359	8.074813	7.610552	7.477381	7.79232	7.660828	7.739422	7.992708
SLC2A2	SLC2A2	6.9266	7.049559	6.780396	6.989278	6.954503	6.973132	6.865368	7.055377	6.859942	6.873964	6.833266	6.718774
SLC2A3	SLC2A3	13.66759	13.50758	13.90385	14.4215	13.20148	13.22156	12.40974	12.41057	12.14083	12.12655	12.41564	12.53588
SLC2A4	SLC2A4	6.949578	7.020068	6.848817	7.108493	6.941597	7.185772	7.074894	7.053108	6.966076	7.242303	6.962142	7.212242

SLC2A4RC	SLC2A4RC	7.690795	8.233947	7.941777	8.360789	8.411686	8.350927	7.998	7.950901	8.048742	8.124878	7.763171	7.830107
SLC2A5	SLC2A5	6.909152	7.023575	7.002499	6.992563	6.949522	7.13575	6.900136	6.995907	6.892017	6.886632	6.816106	6.986783
SLC2A6	SLC2A6	9.003502	9.079239	8.55552	8.428817	7.822652	7.841303	8.075494	8.000009	8.255387	7.969704	7.737178	7.621791
SLC2A7	SLC2A7	6.885394	7.049382	6.717886	6.909981	6.841088	6.823544	6.861436	6.863637	6.774731	6.740854	6.649642	6.711541
SLC2A8	SLC2A8	10.41874	10.41661	10.20613	10.2888	10.37398	10.16405	9.762984	9.713037	9.618684	9.58214	9.473214	10.18529
SLC2A9	SLC2A9	6.893097	7.063378	6.881312	7.040265	6.97318	6.949673	6.956983	7.017493	7.032807	6.967205	6.792072	6.85727
SLC30A1	SLC30A1	8.425302	8.767795	8.240217	7.914384	7.934812	8.962302	8.312507	8.485442	8.371097	8.691679	8.771525	8.897791
SLC30A10	SLC30A10	6.931988	7.091632	6.780763	7.083554	6.896984	6.942865	6.895339	7.001491	6.906378	6.957105	6.869518	6.813925
SLC30A2	SLC30A2	6.915777	7.149034	6.872979	7.039594	7.066397	8.038361	7.575156	7.765214	7.407056	7.417371	6.993881	6.992192
SLC30A3	SLC30A3	9.733888	10.21499	7.941875	10.04909	10.19228	11.79977	11.26298	11.2131	10.52721	11.10782	9.819583	9.851691
SLC30A4	SLC30A4	6.812354	7.03095	6.855814	6.958267	6.945425	7.027846	7.003968	6.999921	6.953842	6.924545	6.786932	6.901057
SLC30A5	SLC30A5	8.483324	8.699248	8.237177	8.641081	8.749738	9.383808	9.019975	9.113518	8.921053	9.159766	9.090481	8.717995
SLC30A6	SLC30A6	7.251198	7.546509	7.25428	7.453271	7.277066	7.358795	7.184844	7.328214	7.259482	7.307379	7.077111	7.138938
SLC30A7	SLC30A7	9.287526	9.537741	9.500248	9.959584	9.946729	9.610703	9.216282	9.254012	9.264183	8.892487	9.358078	9.215897
SLC30A8	SLC30A8	6.911216	7.013064	6.909222	7.005627	6.95591	6.954838	6.752503	6.929773	6.831526	6.872326	6.719097	6.866029
SLC30A9	SLC30A9	10.56284	11.11937	10.55599	11.006	10.86224	11.35543	10.72813	10.83491	10.74509	10.68042	10.50906	10.33494
SLC31A1	SLC31A1	9.37469	9.325666	8.74877	9.606782	9.453485	10.16572	9.397309	9.364189	8.95865	9.409261	9.367547	9.359046
SLC31A2	SLC31A2	7.384507	7.275741	7.448111	7.772478	7.738163	8.736735	8.17573	8.401681	8.260512	8.469372	8.476448	8.344449
SLC32A1	SLC32A1	6.72812	7.016789	6.740166	6.830259	6.844964	6.793568	6.724711	6.870456	6.921747	6.79796	6.635976	6.665442
SLC33A1	SLC33A1	7.509176	7.898124	7.439956	7.821293	7.443578	7.630148	7.456374	7.491086	7.574942	7.498461	7.64228	7.604726
SLC34A1	SLC34A1	7.001314	7.136113	6.808455	7.053885	7.030934	6.991902	7.039527	6.997152	7.074261	7.108139	7.082885	7.000782
SLC34A2	SLC34A2	6.94025	7.136877	6.894811	7.061491	7.154005	7.082118	6.924238	6.972867	6.947908	7.042728	6.83621	6.881592
SLC34A3	SLC34A3	6.901618	6.994826	6.786341	6.971385	6.924165	6.888692	6.800608	6.932826	6.820715	6.880373	6.717414	6.810983
SLC35A1	SLC35A1	9.505318	9.478003	9.245734	9.943318	9.992908	10.8017	10.256	10.34631	10.49987	10.01713	9.661083	9.784273
SLC35A2	SLC35A2	8.056398	8.535429	7.907003	8.194737	8.342539	8.206207	7.958757	8.149086	8.016627	8.093527	8.316891	8.16699
SLC35A3	SLC35A3	8.333637	8.870532	8.485952	8.864581	8.662033	8.802278	8.216434	8.393944	8.273941	8.393052	8.715075	8.20595
SLC35A4	SLC35A4	9.182003	9.403977	8.83741	9.483304	9.185364	9.893355	9.210549	9.697634	9.37877	9.592568	9.936383	9.410159
SLC35A5	SLC35A5	10.3368	10.9107	10.45082	10.37963	10.53368	10.80786	10.44175	10.34002	10.44374	10.13769	10.01054	9.540728
SLC35B1	SLC35B1	10.74438	11.26	11.08013	11.3282	11.2562	11.76614	11.36812	11.70177	11.59946	11.58909	11.6512	11.23662
SLC35B2	SLC35B2	9.664673	10.14673	9.911885	10.18108	9.937541	10.18518	9.771188	9.965242	10.09032	9.904767	10.43488	9.722208
SLC35B3	SLC35B3	8.489086	8.961794	8.532979	8.95123	9.490907	9.653552	9.028656	9.157126	9.100746	8.645242	9.103672	8.744726
SLC35B4	SLC35B4	8.795793	8.692196	8.341274	8.562995	8.424768	8.156054	7.91185	7.629887	7.81599	7.328005	7.511813	7.421655
SLC35C1	SLC35C1	7.61835	7.82219	7.635942	7.892073	7.639327	7.536904	7.694489	7.708902	7.833628	7.617093	8.10048	7.614805
SLC35C2	SLC35C2	7.928099	8.173862	7.812315	8.011361	7.95789	7.979411	7.744137	7.718844	7.730144	7.688141	7.678746	7.762739
SLC35D1	SLC35D1	6.82724	7.126972	6.8234	7.167551	7.007793	7.177042	7.106294	7.172594	7.078838	7.149204	7.197986	7.159378
SLC35D2	SLC35D2	7.97811	8.692576	8.134038	8.81431	8.739753	8.843118	8.54362	8.586367	8.455583	8.584463	8.548763	8.455306

SLC35D3	SLC35D3	7.178218	7.212482	6.95367	7.27789	7.165757	7.300407	7.31338	7.353571	7.151633	7.41086	7.063171	7.169427
SLC35E1	SLC35E1	9.174839	10.0404	9.476638	9.989979	10.11588	9.962048	10.04966	9.49927	9.82309	9.578642	9.460184	9.896706
SLC35E2	SLC35E2	7.017575	7.045277	6.827539	7.118742	7.029034	7.003062	6.83304	6.937041	6.931948	6.907024	6.885465	6.991491
SLC35E3	SLC35E3	9.825824	10.3466	9.463046	9.52809	9.934782	10.14359	9.768316	9.719492	9.506335	9.342664	9.138283	9.059672
SLC35E4	SLC35E4	7.14052	7.10106	6.881438	7.130656	7.088211	7.244794	7.163471	7.224229	7.145114	7.21488	7.353806	7.322748
SLC35F1	SLC35F1	8.685045	8.703052	8.40414	8.739701	7.922669	8.029418	8.028754	8.339673	8.410186	8.493599	8.22313	9.254319
SLC35F2	SLC35F2	9.822343	10.29273	9.282604	9.625694	9.417197	8.088133	7.723557	7.881141	7.759254	7.396742	8.037042	7.800849
SLC35F3	SLC35F3	6.955383	7.275796	7.022276	7.083762	7.127073	7.073892	6.950306	6.988168	6.901876	6.90225	6.757647	6.849375
SLC35F4	SLC35F4	6.975715	7.160934	6.864638	7.021192	6.92936	6.916558	6.893184	6.919873	6.998934	6.980485	6.733957	6.844134
SLC35F5	SLC35F5	7.740642	8.413335	8.002516	8.726055	8.89869	9.156076	8.810058	8.964005	8.935275	9.006273	9.230082	9.346075
SLC36A1	SLC36A1	7.480435	7.744998	7.517295	7.629262	7.53973	7.728325	7.708488	7.608617	7.576561	7.530308	7.573164	7.454469
SLC36A2	SLC36A2	6.792047	7.123088	6.816328	7.040336	6.920665	6.91755	6.729326	6.741037	6.719957	6.845772	6.726826	6.775197
SLC36A3	SLC36A3	6.892397	7.049226	6.769413	7.066839	6.896161	6.943004	6.888836	6.890519	6.906552	6.931493	6.809605	6.942735
SLC36A4	SLC36A4	8.804374	8.862468	8.866535	9.076747	8.753866	8.701427	8.465019	8.290864	8.293224	8.305438	8.13183	8.268437
SLC37A1	SLC37A1	7.914426	8.468465	7.323166	7.656925	7.485118	7.371512	7.147123	7.207582	7.248891	7.225409	7.115784	7.001121
SLC37A2	SLC37A2	6.982467	7.069865	6.917412	7.083153	6.80572	6.896605	6.770562	6.87634	6.84058	6.840756	6.718681	6.836921
SLC37A3	SLC37A3	8.48619	8.778394	8.52876	9.221888	8.904872	8.788537	8.356915	8.711994	8.36317	8.087636	8.291092	7.955231
SLC37A4	SLC37A4	11.51355	11.20938	10.81876	11.01128	10.65118	10.19868	9.753733	9.569186	9.767156	9.375236	8.672614	9.324935
SLC38A1	SLC38A1	11.11608	11.35513	10.50749	10.56567	10.24	10.82768	10.11997	10.17394	10.09684	9.956905	9.737336	10.39686
SLC38A2	SLC38A2	11.60183	11.95501	11.23622	11.74248	11.2648	11.08464	11.21472	11.03431	11.32371	11.23837	11.25739	11.33606
SLC38A3	SLC38A3	6.921016	7.119187	6.803699	6.992964	6.940653	6.984711	6.804885	6.915657	6.967043	7.119343	6.804684	6.86293
SLC38A4	SLC38A4	7.688389	7.68095	6.955412	7.00692	7.020835	6.995829	6.775437	6.946376	6.922415	6.952528	6.859657	7.023773
SLC38A5	SLC38A5	7.656541	7.867636	7.124465	7.170401	7.12982	7.167081	7.117575	7.088467	7.117351	7.197651	6.998989	7.108134
SLC38A6	SLC38A6	7.874234	8.601535	7.882144	7.815428	7.668115	7.460317	7.47579	7.464473	7.783234	7.443616	7.453307	7.709635
SLC39A1	SLC39A1	11.28723	11.45357	10.67562	10.28137	10.0144	9.8244	9.305019	9.579415	9.361656	9.490043	10.13851	9.701563
SLC39A10	SLC39A10	10.58312	10.30418	9.57844	9.879633	9.41267	9.490054	8.744148	8.831735	8.786401	8.663981	8.589623	8.485921
SLC39A11	SLC39A11	8.266444	8.162687	8.014925	8.132605	8.222851	8.139775	7.672389	7.740598	7.818071	7.517228	7.827992	7.613844
SLC39A12	SLC39A12	6.910787	7.137385	6.873484	6.970439	6.950857	6.944757	6.947373	6.969715	6.831437	7.038494	6.817437	6.827347
SLC39A13	SLC39A13	7.309553	7.369909	7.080073	7.272753	7.311687	7.440561	7.082727	7.206933	7.084382	7.172085	7.084669	7.094151
SLC39A14	SLC39A14	10.40152	10.50698	9.54281	9.440914	8.743967	9.07203	8.787	8.968078	9.011956	9.50586	9.768716	9.993683
SLC39A2	SLC39A2	6.815923	7.113396	6.916785	9.511847	9.034596	7.254934	6.897496	6.92792	6.931506	6.959781	6.761423	6.778274
SLC39A3	SLC39A3	9.056707	9.314194	8.70637	8.962205	8.851368	9.243927	9.000073	9.044397	8.910041	8.945443	8.79511	8.917147
SLC39A4	SLC39A4	6.882025	6.994509	6.795576	7.175094	6.988157	6.876618	6.822074	6.916717	6.835658	6.892271	6.721194	6.808202
SLC39A5	SLC39A5	6.893639	7.029456	6.807328	7.037303	6.953288	7.040275	6.819509	6.905117	6.885289	7.059751	6.825349	7.048198
SLC39A6	SLC39A6	8.287005	8.642892	8.174519	8.857341	8.79286	8.742341	8.195468	8.512486	8.454594	8.229869	8.77154	8.96922
SLC39A7	SLC39A7	7.297587	7.627592	7.189322	7.491944	7.579936	7.762818	7.555804	7.443014	7.518974	7.587961	7.384545	7.593548

SLC39A8	SLC39A8	8.794906	9.239359	10.80544	9.698747	9.044613	10.28989	9.384094	9.172626	9.219764	8.69222	8.128287	8.671601
SLC39A9	SLC39A9	7.17747	7.592292	7.453866	7.849876	7.475455	7.484652	7.309175	7.503686	7.390829	7.355704	7.310145	7.065174
SLC3A1	SLC3A1	6.812031	7.063084	6.717502	7.004686	6.896301	6.958602	6.703861	7.016641	6.87409	6.873888	6.713434	6.755972
SLC3A2	SLC3A2	9.636448	10.03324	9.145063	9.34869	8.72755	9.197551	8.048787	8.252884	8.457977	8.14733	8.655222	8.829888
SLC40A1	SLC40A1	6.92524	7.206816	8.407051	9.888706	10.52031	10.14408	9.157984	8.957995	9.03285	8.96583	8.533778	8.73052
SLC41A1	SLC41A1	8.552784	8.611505	8.098867	8.486687	8.471902	9.311689	9.223019	9.350667	9.020396	9.378659	8.790938	9.052254
SLC41A2	SLC41A2	7.140841	7.424611	6.990824	7.126023	7.116081	7.256884	7.223412	7.325451	7.281669	7.312055	7.388304	7.186026
SLC41A3	SLC41A3	9.008933	9.050898	8.965311	9.195931	9.285393	9.056512	9.22868	9.127581	9.403146	9.327019	8.825651	9.677896
SLC43A1	SLC43A1	7.196587	7.299694	6.942545	7.112078	6.914339	7.289825	6.975466	6.995399	7.123601	7.15308	6.874452	6.979737
SLC43A2	SLC43A2	7.66395	8.242272	7.660648	7.897032	7.866817	7.651878	7.303733	7.215182	7.279605	7.179256	7.016316	7.112858
SLC43A3	SLC43A3	7.462672	7.709352	7.149218	7.208315	7.101048	7.195476	6.987862	7.117531	7.066652	7.04619	6.900943	7.012087
SLC44A1	SLC44A1	11.48601	12.11064	11.1389	10.88397	10.25719	8.878104	8.735646	8.863809	9.372195	8.92877	9.428034	9.160245
SLC44A2	SLC44A2	11.00127	11.32259	10.52943	10.87762	10.73353	10.53141	10.40849	10.25659	10.51358	10.39737	10.44634	10.75878
SLC44A3	SLC44A3	7.689708	7.701603	7.346685	8.133141	7.936068	7.911097	7.630154	7.736636	7.496502	7.662869	7.679338	7.781781
SLC44A4	SLC44A4	11.52973	12.26376	11.6246	12.17868	12.06761	12.03814	12.09236	11.50069	12.03781	11.60827	10.90237	11.7063
SLC44A5	SLC44A5	6.948867	7.126626	6.943678	6.963909	6.965002	6.961942	6.917665	7.092778	7.05757	6.995813	6.862034	6.867826
SLC45A1	SLC45A1	6.996587	7.141336	6.90117	7.024923	6.982735	7.090192	6.98698	7.098934	7.068524	7.004472	6.89584	7.020409
SLC45A2	SLC45A2	6.869496	7.078284	6.847361	7.08489	6.98573	7.291294	7.086339	7.037166	7.03324	7.012936	6.810534	6.894991
SLC45A3	SLC45A3	8.328259	8.334246	7.629958	7.768588	7.672674	7.340562	7.06851	7.19575	7.161903	7.142759	7.46613	7.078292
SLC45A4	SLC45A4	8.135807	8.003558	7.433999	7.995118	7.734761	7.491599	7.324587	7.481965	7.406152	7.478705	7.30425	7.459053
SLC4A1	SLC4A1	6.767194	7.188802	6.824475	6.999919	6.920959	6.99636	6.842197	7.008596	6.765255	6.909735	6.749207	6.767966
SLC4A10	SLC4A10	6.947191	6.956505	6.779749	6.972862	6.920974	6.810411	6.849282	6.928438	6.798721	6.856875	6.677157	6.773848
SLC4A11	SLC4A11	8.486262	8.372888	7.557004	7.593032	7.177927	7.261796	6.922857	6.933523	7.000596	7.062614	7.023677	6.87592
SLC4A1AF	SLC4A1AF	7.462297	7.874355	7.608453	7.823477	7.553174	8.402396	7.755574	7.94498	7.851677	8.059343	7.761518	7.974767
SLC4A2	SLC4A2	8.145076	8.126992	8.075749	8.681101	8.765792	9.195405	8.676771	8.928816	8.55937	8.933778	9.362876	8.971346
SLC4A3	SLC4A3	7.061639	7.246083	7.096318	7.284742	7.236608	7.867438	8.388363	8.619528	8.303193	8.906147	8.371587	8.534979
SLC4A4	SLC4A4	6.922488	7.057419	6.944278	7.412738	7.36526	7.581289	7.534211	7.678856	7.351332	7.512761	7.521488	7.713994
SLC4A5	SLC4A5	8.600295	9.321466	8.904742	9.212573	9.20383	9.088131	9.259033	8.473058	9.029677	8.555296	8.043319	8.736728
SLC4A7	SLC4A7	9.861054	10.38901	9.671915	9.584206	9.189801	10.09433	9.032459	8.950268	8.994953	8.769387	8.594068	8.703313
SLC4A8	SLC4A8	7.387168	7.636919	7.396248	8.346771	8.373422	7.511436	7.382436	7.313569	7.336922	7.202578	6.920348	7.012657
SLC4A9	SLC4A9	6.870334	7.017309	6.800089	6.981387	6.898851	6.841955	6.808874	6.943752	6.866549	6.916064	6.82272	6.83753
SLC5A1	SLC5A1	6.878414	6.969751	6.818968	6.999866	7.185048	8.020629	7.74253	8.123757	7.731028	8.332128	7.609611	7.751972
SLC5A10	SLC5A10	6.905232	7.103399	6.796758	7.055921	6.976134	6.988447	6.891915	6.95471	6.946867	6.965644	6.819438	6.802716
SLC5A11	SLC5A11	6.812654	7.07135	6.794224	7.013816	6.947997	6.822264	6.891252	6.891954	6.857649	7.011735	6.71429	6.961424
SLC5A12	SLC5A12	6.884812	7.080968	6.840605	7.062358	6.968012	6.929482	6.92967	6.926706	6.893798	6.951939	6.748395	6.782404
SLC5A2	SLC5A2	6.984378	7.180807	6.932113	7.063009	6.912466	6.988502	6.894814	6.964937	6.951927	6.971723	6.817953	6.8496

SLC5A3	SLC5A3	7.300121	7.45001	7.249878	7.876602	7.579555	7.330268	7.254468	7.125646	7.097283	7.030873	6.942996	7.402606
SLC5A4	SLC5A4	6.899323	6.947823	6.727379	6.985837	6.904182	6.921058	6.717604	6.902142	6.799954	6.833313	6.657377	6.676641
SLC5A5	SLC5A5	6.933517	7.109436	6.805521	7.024727	6.960538	7.067711	6.865302	6.977436	6.832016	6.980881	6.901043	6.92654
SLC5A6	SLC5A6	10.86714	11.44359	10.87414	10.53215	10.1019	10.03532	9.399246	9.460052	9.134777	9.067152	9.066207	8.567819
SLC5A7	SLC5A7	6.803093	7.040684	6.754632	7.160474	8.135793	7.017409	6.985269	7.023732	6.985658	6.81738	6.731141	6.840132
SLC5A8	SLC5A8	7.501744	8.158123	7.783095	7.979373	8.217502	7.950979	8.135623	7.694319	7.841175	7.667103	7.374653	7.86053
SLC5A9	SLC5A9	6.803592	7.12402	6.766747	6.978928	6.857835	6.968598	6.944112	6.928924	6.872303	7.009801	6.836972	6.794649
SLC6A1	SLC6A1	6.956856	7.03368	7.051414	7.05682	7.00993	6.911522	6.826397	7.036512	7.132151	7.080881	7.002642	6.99698
SLC6A11	SLC6A11	7.173175	7.183827	6.895203	7.23607	7.102551	6.988868	6.991829	7.030032	6.954534	6.999271	6.789924	6.982922
SLC6A12	SLC6A12	7.087758	7.285614	6.889214	7.162868	7.347126	7.264766	7.081866	7.095	6.996472	7.043378	6.931482	6.937539
SLC6A13	SLC6A13	8.088368	8.170547	7.726988	8.081411	7.840803	8.008049	7.821204	7.79977	7.900602	7.81071	7.479301	7.817752
SLC6A14	SLC6A14	6.836968	6.945053	6.749646	6.988043	6.808764	6.882671	6.89712	6.897714	6.868577	6.936162	6.779224	6.800051
SLC6A15	SLC6A15	8.135362	7.691772	7.188851	7.291735	7.186294	7.157649	6.935002	7.037413	7.078221	7.138129	7.036322	7.091564
SLC6A16	SLC6A16	7.141315	7.192418	7.228973	7.896415	7.738131	8.289049	7.713065	7.71356	7.564753	7.536351	7.16146	7.213871
SLC6A17	SLC6A17	6.891333	7.045067	6.762646	6.990543	6.992371	6.999842	6.789664	6.835731	6.783314	7.015719	6.815702	6.836121
SLC6A18	SLC6A18	7.138103	7.472478	6.978532	7.178098	7.111836	7.483763	7.090918	7.108165	7.085969	7.301472	6.944746	7.117822
SLC6A19	SLC6A19	6.993764	7.038177	6.837319	7.033181	7.014279	7.01184	6.804731	6.909371	6.961148	6.804653	6.731634	6.852604
SLC6A2	SLC6A2	6.956238	7.276121	6.970689	7.233536	7.173758	7.309168	7.074855	7.009707	7.080826	7.14185	6.853973	6.985265
SLC6A20	SLC6A20	6.929673	7.080502	6.817049	6.964665	7.020749	7.047111	6.89629	6.962144	6.942853	6.998201	6.850048	6.851484
SLC6A3	SLC6A3	6.944252	7.207043	6.898333	6.965011	7.008069	7.14256	6.902035	7.056683	6.866629	7.002572	6.892058	6.864022
SLC6A4	SLC6A4	6.792573	6.977553	6.794198	7.133956	7.084406	7.43753	7.246008	7.211609	6.915065	6.946706	6.798383	6.797434
SLC6A5	SLC6A5	6.857413	7.094519	6.735028	7.032053	6.923165	6.886863	6.824552	6.935804	6.900737	6.927463	6.845068	6.847813
SLC6A6	SLC6A6	7.973612	7.445039	7.281585	7.572255	7.037377	6.916248	6.894813	7.048588	7.056977	7.220601	7.255543	7.053
SLC6A7	SLC6A7	6.909574	7.152144	6.911817	7.143149	6.939656	7.007276	6.867613	6.946675	6.966826	6.939539	6.802407	6.825122
SLC6A8	SLC6A8	8.551541	8.860121	7.786228	7.965398	7.623076	8.022316	7.592634	7.855628	7.708603	7.801128	8.015592	8.105091
SLC6A9	SLC6A9	7.269008	7.469533	6.976814	7.369385	7.310877	7.138415	7.022058	7.086558	7.165407	7.085067	7.146209	7.16975
SLC7A1	SLC7A1	11.69176	11.9595	10.27067	10.83868	10.09095	10.0951	9.463991	9.415792	9.835356	9.552344	9.557686	10.18245
SLC7A10	SLC7A10	7.983457	7.645611	7.181411	7.071797	6.960263	7.057902	6.882467	6.994296	6.915373	7.054044	6.910579	6.90989
SLC7A11	SLC7A11	7.151847	8.006154	7.12153	7.181019	6.889068	6.9039	6.83618	6.957506	6.806302	6.986924	7.241508	7.099063
SLC7A13	SLC7A13	6.858425	6.931755	6.751335	6.906299	6.894737	6.905993	6.765357	6.88554	6.870818	6.820631	6.612723	6.734213
SLC7A14	SLC7A14	7.399884	7.323142	7.444869	7.343049	6.911318	7.104097	6.922313	6.837278	6.991123	6.879021	6.920299	6.860989
SLC7A2	SLC7A2	8.215309	8.078802	8.105536	8.505794	8.256846	7.97248	7.811427	7.81663	7.651847	7.537131	7.624706	7.63158
SLC7A3	SLC7A3	10.75381	10.15602	9.51025	8.623092	7.744709	7.046591	6.925947	7.009521	6.98862	6.92793	6.815934	6.867689
SLC7A4	SLC7A4	6.943781	7.142094	6.88643	7.055199	7.057004	7.11632	6.956083	6.991916	7.037321	7.051405	6.889485	6.90556
SLC7A5	SLC7A5	11.82241	12.04508	11.77644	11.85615	10.81104	10.09017	9.223114	9.727596	10.07724	9.815925	10.6945	10.19714
SLC7A6	SLC7A6	7.98969	7.781943	7.955079	8.541982	8.375109	8.853129	8.403351	8.636611	8.402424	8.541643	8.240392	8.039022

SLC7A6OS	SLC7A6OS	7.931477	8.263636	7.645636	7.828917	7.602562	7.984638	7.725082	7.980053	7.727548	7.84888	7.838901	7.995954
SLC7A7	SLC7A7	7.754482	8.180854	7.89261	10.02694	10.01068	7.652727	7.908522	8.389707	8.559717	7.708628	7.589457	7.309345
SLC7A8	SLC7A8	9.007339	9.084035	7.657964	7.726846	7.28466	7.132184	6.978193	7.011971	6.944105	7.04895	6.825211	6.865021
SLC7A9	SLC7A9	7.219762	7.511413	7.151458	7.489126	7.48417	7.735762	7.265795	7.39261	7.357558	7.363019	7.309492	7.23882
SLC8A1	SLC8A1	6.841066	7.146689	6.843617	7.235829	7.391253	8.417908	7.903974	8.158107	7.943233	8.069866	7.590978	7.880008
SLC8A2	SLC8A2	8.195438	8.101044	7.287908	7.437488	7.575687	7.522669	7.115856	7.045142	7.709405	7.011439	6.772347	6.805496
SLC8A3	SLC8A3	6.981861	7.113435	6.95583	7.186888	7.027701	7.257138	7.019938	7.115028	7.089621	7.036761	6.871979	6.951067
SLC9A1	SLC9A1	9.842987	10.11266	9.502262	9.746646	9.581087	9.648795	9.155926	9.076183	9.090072	8.897971	9.200282	9.310315
SLC9A10	SLC9A10	6.911268	7.072833	6.938265	7.112214	6.943116	6.932889	6.854893	7.060105	6.833267	6.978871	6.733341	6.827829
SLC9A11	SLC9A11	6.954496	7.143668	6.799065	7.057762	7.028884	7.035628	6.834555	6.897759	6.855758	6.943019	6.870263	6.847978
SLC9A2	SLC9A2	6.88977	7.055151	6.839057	7.169171	7.011945	7.144279	6.96702	6.91377	6.96629	7.098395	6.877377	7.011467
SLC9A3	SLC9A3	7.04709	7.096802	6.943709	7.114625	7.025461	6.949896	6.890742	6.962445	6.82355	6.969738	6.804188	6.908235
SLC9A3R1	SLC9A3R1	10.3008	10.59892	10.11714	12.49927	13.19507	9.457627	8.431629	8.178291	8.482803	7.3196	7.614366	7.430187
SLC9A3R2	SLC9A3R2	6.957282	7.126166	6.794574	7.022322	7.042552	6.904805	6.979217	7.010766	6.990497	7.074513	6.957456	6.940784
SLC9A4	SLC9A4	7.261219	7.253715	7.022314	7.352677	7.162953	7.13006	7.15233	7.246643	7.210457	7.296585	7.220216	7.178448
SLC9A5	SLC9A5	7.712961	7.415556	6.985002	7.305804	7.18159	7.245361	7.047808	6.994401	7.100374	6.966632	6.968728	6.896578
SLC9A6	SLC9A6	7.836538	8.047141	7.663763	8.224169	8.215569	8.456621	8.124383	8.26636	8.11779	8.075876	8.058391	8.263648
SLC9A7	SLC9A7	7.244987	7.63567	7.106567	7.304018	7.123567	7.302682	7.068566	7.156416	7.105679	7.136893	7.243958	7.290814
SLC9A8	SLC9A8	7.513739	7.6028	7.394226	7.689031	7.72005	8.067807	7.611077	7.647292	7.591871	7.662547	7.418262	7.457318
SLC9A9	SLC9A9	6.921532	7.014778	7.038268	7.163215	7.114893	7.301196	7.157748	7.335451	7.267661	7.102305	7.121638	7.101576
SLCO1A2	SLCO1A2	6.983166	7.119746	6.80046	7.082536	7.009457	6.963719	6.877795	6.915584	6.875822	6.939489	6.796328	6.822557
SLCO1B1	SLCO1B1	6.941336	7.084736	6.830548	7.009074	6.997139	7.128305	6.947658	7.004154	6.939737	6.939281	6.741956	6.823429
SLCO1B3	SLCO1B3	6.857108	6.928609	6.698206	6.993058	6.872463	6.932818	6.784972	6.909583	6.842278	6.866116	6.804873	6.784474
SLCO1C1	SLCO1C1	6.828361	7.001171	6.777012	6.956738	6.921009	6.87497	6.833075	6.891211	6.847554	6.960659	6.797188	6.747133
SLCO2A1	SLCO2A1	7.194866	7.69892	9.984332	9.747947	8.209873	7.349712	7.070354	7.154056	7.208087	7.039949	7.271529	6.913117
SLCO2B1	SLCO2B1	6.981185	7.045273	6.898853	7.159182	7.248708	6.936396	6.905734	6.975306	6.997793	6.963527	6.856344	6.857092
SLCO3A1	SLCO3A1	7.343589	7.7468	7.078644	7.335059	7.717424	9.034772	8.853438	9.13036	8.668958	8.996815	8.895202	8.778495
SLCO4A1	SLCO4A1	8.134378	7.855284	7.0395	7.40692	7.184341	7.191975	7.162808	7.174166	7.093953	7.110289	7.020623	7.035795
SLCO4C1	SLCO4C1	7.417374	7.923612	7.034731	7.115551	7.026118	7.162849	6.82916	6.840258	6.983451	6.941418	6.759231	6.771425
SLCO5A1	SLCO5A1	7.052133	7.274847	6.971603	7.055954	6.889516	6.97423	7.168805	7.141953	6.962382	7.258089	7.77269	7.654856
SLCO6A1	SLCO6A1	6.811624	6.996965	6.727652	6.812588	6.864612	7.035073	6.801128	6.811273	6.91699	6.917288	6.728622	6.789555
SLD5	SLD5	8.809236	9.080078	8.326594	8.4341	7.960178	7.847055	7.78877	7.687024	7.667357	7.606068	7.291615	7.364456
SLFN11	SLFN11	6.944756	7.104316	6.913185	7.076813	7.027405	7.007192	6.986312	7.055022	7.187735	7.191107	7.696117	7.450147
SLFN13	SLFN13	7.576855	7.582336	7.343422	7.521575	7.23619	7.462719	7.367225	7.112682	7.071077	7.033828	6.786963	6.865344
SLFN5	SLFN5	6.812698	6.969525	6.729726	6.980913	6.864731	6.938189	6.864641	6.830446	6.929737	6.77984	6.773875	6.868596
SLIC1	SLIC1	6.871053	7.035478	6.793002	7.016763	6.878518	6.937512	6.877064	6.957418	6.875319	6.899303	6.817209	6.793866

SLIT1	SLIT1	6.963022	7.097375	6.832971	7.011223	6.92565	6.971984	6.949848	6.957371	7.139074	6.854521	6.754335	6.822355
SLIT2	SLIT2	8.432634	8.32427	9.979312	11.5487	12.39837	10.81318	10.12578	10.05023	9.933952	9.319679	9.255124	9.952338
SLIT3	SLIT3	6.811078	6.832767	7.044248	8.070636	9.065416	8.207466	8.204769	8.405308	8.191453	8.051247	8.514098	8.237166
SLITL2	SLITL2	8.611378	8.318096	9.081599	9.724932	9.747537	9.133565	8.374608	8.978372	8.892362	8.574467	9.329226	8.842038
SLITRK1	SLITRK1	7.056493	7.105633	6.848984	6.996981	6.932306	7.000526	6.912447	6.920979	6.894936	6.896035	6.7553	6.885804
SLITRK2	SLITRK2	6.769087	7.118304	6.781031	6.931436	6.918227	6.929321	6.880435	6.939496	6.920313	7.012628	6.731551	6.9148
SLITRK3	SLITRK3	7.129565	7.254527	6.857819	7.153208	7.410425	7.123077	6.896966	7.104884	7.281648	6.992766	6.780612	6.817579
SLITRK4	SLITRK4	8.282069	8.258652	8.276418	8.682404	8.268919	7.910967	7.558143	8.085908	8.230173	8.068732	7.976139	7.183923
SLITRK5	SLITRK5	7.523741	7.734969	7.412933	7.353397	7.551554	7.126834	6.936625	6.925157	7.205773	6.905434	6.892919	6.84185
SLITRK6	SLITRK6	6.940047	7.114752	6.848805	7.158013	7.013353	6.96761	6.869487	6.933121	7.098028	7.083664	6.771432	6.830018
SLK	SLK	8.335883	8.852704	8.755821	9.239421	9.148724	9.901611	9.277503	9.443907	9.410353	9.384646	9.249193	9.475406
SLMAP	SLMAP	10.39206	11.00848	9.933031	10.13004	10.11962	11.92564	11.97735	12.66374	12.60034	13.06217	12.38834	12.48493
SLMO1	SLMO1	8.195513	7.969527	7.252779	7.484991	7.508757	7.502019	7.316455	7.539225	7.50979	7.464565	7.532054	7.239854
SLN	SLN	6.926684	6.994419	6.822376	10.70903	11.819	8.934732	10.36586	10.73104	10.89154	10.08388	11.34225	9.939105
SLPI	SLPI	6.85151	7.129582	6.926415	7.122172	7.029573	6.916051	6.950755	6.999169	6.875338	7.145773	7.032348	6.969935
SLTM	SLTM	10.60324	10.76232	9.723694	10.07802	9.799497	9.895306	9.542134	9.418641	9.4954	9.292684	9.004357	9.261969
SLU7	SLU7	8.475871	8.825835	8.689464	8.727872	8.425174	9.141004	8.614581	8.837702	8.715089	8.896512	8.908004	8.723834
SLURP1	SLURP1	6.845079	7.094187	6.690063	7.050308	6.823692	6.913553	6.806248	6.988554	6.892715	6.902822	6.923781	6.825812
SMA3	SMA3	6.732353	7.121646	6.731025	7.013423	6.920574	6.937702	6.910083	6.885753	6.951973	6.890168	6.630069	6.819465
SMA4	SMA4	8.635611	9.205639	8.785492	9.155156	8.9571	8.427766	8.483929	8.269844	8.498471	8.098913	7.564285	7.817628
SMA5	SMA5	6.998344	7.082601	6.831044	7.128377	6.961571	6.981078	6.965467	7.057938	6.847496	7.004377	6.831558	6.837674
SMAD1	SMAD1	7.000566	7.059299	6.944379	7.028145	7.031683	7.024737	6.968767	6.997267	6.912183	6.965023	6.886915	6.847929
SMAD2	SMAD2	7.11703	7.38757	7.214251	7.356037	7.238422	7.162902	6.984756	7.061233	7.038071	7.043742	6.991807	6.92426
SMAD3	SMAD3	7.98978	8.644647	8.292065	10.17659	10.17114	9.657934	9.240893	9.244441	9.185531	9.076226	9.072288	8.60949
SMAD4	SMAD4	10.48319	11.24698	10.34654	10.98156	10.68158	10.76121	10.11205	10.30799	10.19581	10.26612	10.15353	10.25833
SMAD5	SMAD5	9.480478	9.230459	9.563974	9.966407	9.690329	9.747196	9.259467	9.098884	9.430663	9.011707	8.704563	8.847169
SMAD6	SMAD6	7.730474	8.123445	10.70281	11.42034	11.43997	12.27574	12.34487	12.04427	12.06322	11.74003	10.39881	10.81364
SMAD7	SMAD7	7.562487	7.951979	8.295018	9.024664	9.019772	9.005975	8.774924	8.796717	8.824201	8.748015	8.579558	8.387367
SMAD9	SMAD9	6.922262	7.173766	7.112186	7.852681	7.578237	8.094364	8.070695	7.75664	8.008222	7.709877	7.027432	7.599063
SMAF1	SMAF1	7.037901	7.221701	6.874543	7.193753	7.050445	7.261157	6.993398	7.09163	6.974748	7.054123	6.940362	6.989161
SMAP	SMAP	7.52226	7.922936	7.631855	7.759105	7.622606	7.400195	7.509285	7.249718	7.463967	7.177788	7.097746	7.502172
SMAP1	SMAP1	8.482393	8.637764	8.18076	8.356671	8.54482	9.480289	8.852458	9.156172	8.949212	9.070867	8.904737	8.806018
SMAP1L	SMAP1L	8.091356	8.426316	8.064587	8.80905	8.98427	9.555656	9.22884	9.169905	9.293959	9.202944	9.151786	9.183644
SMARCA1	SMARCA1	9.648803	10.3009	10.27031	10.75694	10.79578	11.36966	11.00826	10.8955	10.92679	10.66277	10.52806	10.51177
SMARCA2	SMARCA2	8.674995	8.689011	7.424248	9.037221	9.176939	9.845123	9.613032	9.430746	9.787532	9.555156	9.359177	9.679541
SMARCA3	SMARCA3	9.322066	9.03004	8.841549	8.820399	8.969483	10.34381	9.742838	9.868295	9.5107	9.572428	9.066809	8.964514

SMARCA4	SMARCA4	12.12262	12.43461	11.61913	12.15852	11.71702	11.30869	10.96222	10.76575	10.96315	10.63125	10.32127	10.11784
SMARCA5	SMARCA5	9.416865	10.02178	9.274281	9.382939	8.895155	9.078253	8.684966	8.733713	8.616108	8.623435	8.61834	8.879418
SMARCAD	SMARCAD	9.00539	9.486288	9.386456	9.521524	8.947069	8.828374	8.417323	8.582897	8.414801	8.189514	8.195563	7.935115
SMARCAL	SMARCAL	8.600005	9.166604	8.842389	9.009853	8.963096	8.9593	8.633598	8.755852	8.647948	8.546181	8.808237	8.375489
SMARCB1	SMARCB1	9.09684	9.394235	9.059951	9.412625	9.22483	9.3079	8.920564	9.06189	8.875804	8.931065	9.103652	8.470005
SMARCC1	SMARCC1	12.07167	12.37972	11.57845	11.61174	11.1564	10.46688	9.95459	10.03142	10.0947	9.823049	9.982117	9.739901
SMARCC2	SMARCC2	7.857743	8.025427	7.645206	7.870518	8.045753	8.136249	7.796755	8.068808	7.810488	8.027565	8.048932	7.684823
SMARCD1	SMARCD1	10.69496	10.93339	10.39389	10.4017	9.967802	9.63993	8.954503	8.924465	8.912409	8.729257	8.635348	8.19461
SMARCD2	SMARCD2	8.519051	8.901901	8.19625	8.307774	8.15752	7.878778	7.466314	7.500681	7.608439	7.477633	7.589544	7.60834
SMARCD3	SMARCD3	7.117178	7.120606	7.582335	8.618502	9.138876	10.41987	9.990142	9.990081	9.775669	10.11536	9.411943	9.431615
SMARCE1	SMARCE1	10.17662	10.42924	10.65077	11.07036	10.7632	11.02686	10.55308	10.33473	10.39597	10.33767	9.782855	10.06393
SMBP	SMBP	9.60479	10.1028	9.670677	9.737576	9.502981	9.37894	9.171006	8.868614	9.307788	8.919772	8.736909	8.963479
SMC1L1	SMC1L1	7.243535	7.296673	7.091601	7.368395	7.138297	7.069222	6.993693	7.033993	6.996862	7.019641	6.825998	6.823916
SMC1L2	SMC1L2	6.933241	7.156309	6.885874	7.062394	7.088931	7.031452	6.995042	7.02114	7.027599	6.996674	6.93854	6.872867
SMC2	SMC2	8.035459	8.374785	8.181631	8.438848	8.31855	8.867029	8.206579	8.234729	8.158883	8.033891	7.516499	7.669691
SMC2L1	SMC2L1	8.417937	9.008292	8.651185	8.790439	8.278094	8.952688	8.099708	8.225955	8.207144	8.167032	7.727218	7.712156
SMC3	SMC3	7.591005	8.00869	7.714852	7.973507	7.792349	7.646845	7.506289	7.344662	7.371546	7.369394	7.106345	7.357307
SMC4	SMC4	9.883596	10.25272	10.08297	10.29805	9.913171	10.02641	9.546262	9.414812	9.336973	9.315792	8.658812	8.383286
SMC4L1	SMC4L1	6.987767	7.281125	6.990336	7.130299	7.079374	7.237426	6.997368	7.064692	7.000874	6.966782	6.868244	6.924734
SMC5L1	SMC5L1	6.74658	7.023253	6.841482	6.917861	6.928211	6.92914	6.85613	7.021731	6.83777	6.991122	6.784697	6.770177
SMC6L1	SMC6L1	9.562963	9.733693	9.260319	9.152095	8.755409	8.714816	8.251198	8.032538	8.333447	7.951972	7.561563	7.514841
SMCHD1	SMCHD1	7.287926	7.3524	7.337481	7.463812	7.500547	7.594125	7.379577	7.445448	7.290225	7.318497	7.347642	7.227486
SMCP	SMCP	6.885808	7.0021	6.7809	7.058677	6.917075	6.975717	6.992813	6.994142	6.975331	7.018035	6.843625	6.88795
SMCR7	SMCR7	6.8813	7.045315	6.816934	7.010522	6.935538	6.978241	6.859992	6.948111	7.011392	7.03694	6.814172	6.912191
SMCR8	SMCR8	6.872104	7.102849	6.799749	7.048427	7.052497	6.955093	6.922449	7.054886	6.892354	7.02004	6.874569	6.86465
SMCX	SMCX	7.214011	7.442224	7.292163	7.447813	7.241265	7.327027	7.112851	7.246578	7.299994	7.160693	7.08104	7.29618
SMCY	SMCY	6.873824	7.025403	6.801838	6.92699	6.812709	6.776724	6.819488	6.919906	6.83762	6.875651	6.837699	6.807144
SMEK2	SMEK2	9.514244	9.910545	9.504585	9.664584	9.441779	9.671549	9.265375	9.116679	9.519621	9.047604	8.842891	9.122342
SMEK3P	SMEK3P	6.864175	7.122117	6.735894	6.970087	6.881067	6.949378	6.934951	7.003424	6.956096	6.969368	6.693006	6.849933
SMG1	SMG1	9.551917	9.991772	9.441007	9.988263	9.439976	9.433124	9.025609	8.991105	8.938221	8.737529	8.911915	9.003522
SMG5	SMG5	9.901794	10.37423	9.36765	9.565816	9.444661	10.00589	10.07442	10.04563	10.08199	10.24986	9.670271	9.961727
SMG6	SMG6	7.212659	7.40867	7.217457	7.3335	7.377491	7.471386	7.343089	7.284832	7.214956	7.101159	7.184106	7.139774
SMG7	SMG7	8.41902	8.873651	8.377645	8.799254	8.370471	8.487066	8.130237	8.149234	8.151777	8.120213	8.120356	8.155352
SMN1	SMN1	7.424979	7.801153	7.326616	7.450434	7.311914	7.278139	7.343337	7.204595	7.303914	7.238475	7.208269	7.262968
SMN2	SMN2	7.258101	7.614365	7.154175	7.355073	7.138673	7.174283	7.040811	7.103388	7.087418	7.083932	6.998423	6.994098
SMNDC1	SMNDC1	10.66396	10.95196	10.37676	10.43449	10.16507	10.63632	10.10164	9.850755	10.12165	9.812317	9.705427	10.03506

SMO	SMO	8.737517	8.974863	8.635067	9.234608	8.970729	8.9118	8.70237	8.546367	8.699338	8.441815	8.10004	7.948458
SMOC1	SMOC1	6.876805	7.068071	6.763157	7.391186	7.069058	6.993339	6.897743	6.878051	6.833579	6.92547	6.72042	6.83834
SMOC2	SMOC2	7.523525	7.151513	7.041995	7.79667	9.129427	7.185194	7.386321	7.43934	7.67907	7.275894	7.013181	6.937674
SMOX	SMOX	7.469346	8.304428	8.065929	7.851312	7.478299	7.544162	7.189129	7.200861	7.402448	7.248756	7.480841	7.627699
SMPD1	SMPD1	6.943716	7.259998	7.130675	7.448006	7.338147	7.464672	7.453871	7.604968	7.506565	7.691408	7.747695	7.905306
SMPD2	SMPD2	7.344086	7.748072	7.051961	7.37934	7.273731	7.374813	7.138285	7.282254	7.190446	7.177941	7.134906	7.198765
SMPD3	SMPD3	7.005	7.223375	6.860669	7.093197	7.068012	7.066091	7.010692	6.958705	7.052508	7.065216	6.816088	7.001036
SMPDL3A	SMPDL3A	7.400151	7.452514	7.231257	7.836686	7.848522	8.927486	8.497007	8.42935	8.407584	8.327273	8.264302	8.33475
SMPDL3B	SMPDL3B	8.771096	9.115643	7.306956	7.206434	7.025652	7.183322	7.00554	7.073697	7.001379	7.022834	6.806614	6.877721
SMPX	SMPX	6.794272	6.935977	6.847722	9.288746	11.20137	12.97897	13.03884	12.71633	13.06458	13.09789	12.32511	12.56722
SMR3A	SMR3A	6.88349	7.075482	6.863353	7.041728	6.896995	6.920733	6.899661	6.937201	6.866664	6.90742	6.806083	6.883024
SMR3B	SMR3B	6.950735	6.91764	6.752303	6.965877	6.829056	6.877283	6.781664	6.85133	6.794573	6.94476	6.714165	6.650698
SMS	SMS	12.58072	13.30508	12.28162	12.0742	11.90528	12.80918	11.96872	11.98189	11.59757	12.0001	12.18632	11.82157
SMTN	SMTN	7.318451	7.484657	7.260958	7.693684	7.591092	7.867549	7.643329	7.861773	7.631312	7.697656	7.760945	7.530441
SMU1	SMU1	8.253857	8.798409	8.255897	8.2338	7.865743	8.459884	7.907506	7.912949	7.902103	8.142115	7.730914	7.920074
SMUG1	SMUG1	9.179703	10.09722	9.627123	10.01605	10.01314	10.18837	9.880388	9.830404	9.925458	9.822436	9.475278	9.45598
SMURF1	SMURF1	7.150111	7.219498	7.004346	7.332853	7.167609	7.275507	7.028109	7.169826	7.139317	7.183248	7.026788	7.097768
SMURF2	SMURF2	6.985857	7.096941	6.891446	7.066332	7.110294	7.130999	6.980845	7.013854	7.014788	7.075752	6.935498	7.097068
SMYD1	SMYD1	6.886554	6.957346	6.715687	10.16907	11.15641	12.97622	12.97792	13.11254	12.63395	12.98642	12.32792	12.29765
SMYD2	SMYD2	7.25304	8.325603	8.185632	8.521701	8.577584	9.592146	9.207492	9.511949	9.038998	9.501362	9.029264	9.00209
SMYD3	SMYD3	9.473852	9.427754	9.222703	9.84578	9.686687	9.896475	9.560866	9.647528	9.639625	9.41696	9.695846	9.590577
SMYD4	SMYD4	8.556692	8.722973	8.205294	8.441587	8.410422	8.353126	8.142262	8.334138	8.094194	8.161192	8.06073	8.070029
SMYD5	SMYD5	7.310894	7.518671	7.173237	7.412948	7.151008	7.124778	7.057764	7.162986	7.256794	7.270022	7.110116	7.279686
SN	SN	6.873316	7.059938	6.727679	7.076864	6.919124	7.100949	6.916767	7.029941	6.850793	6.941751	6.904668	6.860262
SNAG1	SNAG1	6.852887	7.183116	6.839289	7.205306	6.979868	7.144748	6.904567	7.082064	6.968247	6.980409	6.925911	6.889924
SNAI1	SNAI1	6.831285	7.18458	7.107174	7.028271	6.925746	6.896409	6.762185	6.841928	6.868806	6.971247	6.800841	6.848281
SNAI2	SNAI2	6.968973	7.122697	9.899873	10.11518	10.27593	9.063503	8.258638	8.609194	8.782356	8.365918	9.1539	8.442936
SNAI3	SNAI3	7.071307	7.277475	6.85624	7.092778	7.021683	7.034265	7.02023	6.809499	7.074978	7.058823	6.716877	6.873861
SNAP23	SNAP23	8.879908	9.366864	8.873822	8.847134	8.710817	8.771763	8.775544	8.73923	8.696228	8.626484	8.777244	8.585022
SNAP25	SNAP25	7.225098	7.554505	7.158062	8.271596	8.340593	8.689995	8.473504	8.553235	9.209225	8.541439	8.272564	7.572774
SNAP29	SNAP29	7.32368	7.701584	7.559135	8.382114	8.301351	8.955636	8.505003	8.578163	8.338159	8.557869	8.549587	8.349982
SNAP91	SNAP91	7.26677	7.746986	7.414085	8.4796	9.746059	11.35904	11.22839	11.14783	11.28749	11.53575	10.74704	11.33587
SNAPAP	SNAPAP	7.304042	7.751849	7.309582	7.633834	7.758438	8.158963	7.987224	7.605053	7.981712	8.075461	7.52782	7.882485
SNAPC1	SNAPC1	7.828237	8.378498	8.013831	8.353521	8.383948	8.642512	8.326685	7.798796	8.103389	7.973745	7.751113	8.127566
SNAPC2	SNAPC2	8.792143	8.726989	8.178372	8.641112	8.69997	8.86548	8.530866	8.730811	8.737189	8.803546	8.789879	8.81813
SNAPC3	SNAPC3	8.071528	8.577675	8.825548	9.261776	9.062583	9.639091	9.226304	9.18872	9.111338	9.097821	8.962139	9.201024

SNAPC4	SNAPC4	10.75177	10.87868	10.39679	10.69228	10.22434	9.749016	9.430288	9.209196	9.49807	9.132093	8.680113	9.183635
SNAPC5	SNAPC5	7.881924	8.531869	7.722036	8.016191	7.965479	9.157558	8.814962	8.541222	8.801416	8.702618	8.522378	8.565009
SNCA	SNCA	9.154151	9.003645	8.914494	9.039011	9.593201	10.7656	10.77627	10.80033	10.55817	10.35549	9.872974	9.769584
SNCAIP	SNCAIP	8.956384	8.891212	8.15677	10.52595	10.8931	9.759998	9.466916	8.74741	9.403462	7.631932	7.460284	7.143355
SNCB	SNCB	6.983733	7.148222	6.775998	7.021734	6.950353	6.980899	6.835313	6.9138	6.885302	6.91143	6.792159	6.85952
SNCG	SNCG	6.936011	7.257965	6.904098	6.946322	6.948326	6.893034	6.816386	6.949099	6.928601	7.057752	6.920934	6.921452
SND1	SND1	10.57683	10.50748	9.995315	10.80687	10.71315	10.364	9.63181	10.09979	9.691816	9.870363	10.35767	9.834284
SNED1	SNED1	6.853331	7.113038	6.818143	7.057075	6.931497	7.063658	6.908516	7.011513	6.889615	6.994744	6.845593	6.835977
SNF1LK	SNF1LK	7.435888	7.419389	7.121479	7.905166	7.947723	8.659455	7.726882	7.498275	7.590414	7.558623	7.315954	7.195912
SNF1LK2	SNF1LK2	7.039828	7.298106	7.026594	7.261767	7.113596	7.468327	7.113169	7.221228	7.184858	7.265684	7.127964	7.228634
SNF8	SNF8	9.025772	9.948603	9.147949	9.688314	9.348378	9.484928	9.702153	8.872678	9.502416	9.480225	8.655414	9.167181
SNFT	SNFT	7.737963	8.038206	7.441981	7.208468	7.421495	7.398785	7.131655	7.090572	7.209713	7.075016	7.14131	7.022399
SNHG10	SNHG10	7.160255	7.525674	7.198304	7.536204	7.202134	7.332763	7.23804	7.205633	7.504973	7.509287	7.092554	7.449773
SNHG3	SNHG3	7.07303	7.246472	6.958346	7.040219	7.04515	6.999187	6.878329	6.966147	6.898559	7.022771	6.724313	6.859318
SNHG3-R(	SNHG3-R(	6.804178	7.055457	6.826647	7.075221	7.077382	7.319004	6.827515	6.901156	6.903549	7.107982	6.856182	6.893338
SNHG5	SNHG5	12.6084	13.21604	11.95852	11.44984	11.86652	11.63701	11.61601	11.31128	11.82262	11.62039	12.05107	10.61703
SNHG8	SNHG8	6.746965	7.221572	6.949994	7.084315	6.889977	7.182757	7.171172	7.008657	6.987898	7.079481	6.882706	7.007328
SNIP	SNIP	6.808345	7.076112	6.696548	7.081274	6.797381	6.882827	6.807528	6.860992	6.73294	6.828195	6.739269	6.796918
SNIP1	SNIP1	8.898751	9.184614	8.960445	9.080225	8.587208	8.84868	8.314416	8.286345	8.360541	8.439943	7.932451	8.247066
SNN	SNN	8.180339	8.53831	7.661122	8.011151	7.819737	7.567779	7.587423	7.366377	7.583337	7.414496	7.064479	7.444085
SNORA10	SNORA10	8.566066	8.921241	8.325541	8.103525	7.827104	7.901269	7.571563	7.514553	7.570549	7.619301	7.526008	7.436968
SNORA32	SNORA32	7.325102	8.195883	7.830821	7.872021	7.861007	7.545979	7.504761	7.400486	7.508513	7.358432	7.330992	7.274697
SNORA33	SNORA33	8.609117	9.236427	8.249736	8.331541	8.042655	7.728487	7.552542	7.611598	7.762029	7.737909	7.470105	7.336526
SNORD10	SNORD10	6.866182	7.06387	6.767263	6.979504	6.895814	6.948612	6.828037	6.914529	6.788527	6.848278	6.770506	6.818932
SNORD11	SNORD11	6.931273	7.030903	6.902819	7.095044	6.895872	6.980467	6.83739	6.948062	6.994984	7.063069	6.655327	6.946315
SNORD11	SNORD11	6.978861	7.198941	6.867681	6.937806	6.772137	6.916669	6.925124	6.873421	6.878694	6.88972	6.733066	6.759861
SNORD31	SNORD31	9.160664	9.606761	8.790758	9.38607	8.722563	8.539783	8.278428	8.741774	8.658961	8.263146	8.921671	8.471139
SNORD34	SNORD34	7.44932	7.686262	7.139092	7.318352	7.138596	7.583749	6.951091	7.116631	7.065504	7.200993	6.927985	6.85763
SNORD36	SNORD36	8.42792	8.935005	8.441504	8.243994	7.896737	7.881739	7.756292	7.323609	7.756702	7.637061	7.320516	7.301878
SNORD36	SNORD36	7.658276	8.175305	7.669504	8.132688	7.755224	7.775608	7.546876	7.340847	7.504787	7.27971	7.281749	7.139152
SNORD48	SNORD48	7.486877	7.800554	7.387518	7.467209	7.348405	7.374525	7.250378	7.199838	7.429875	7.282618	7.134326	7.059646
SNORD56	SNORD56	8.167376	8.497179	8.085769	7.93082	7.772331	7.870315	7.493072	7.460799	7.61516	7.382512	7.147669	7.237668
SNORD68	SNORD68	8.389104	8.624268	8.280234	8.247553	7.981605	8.284062	7.633504	7.628355	7.603203	7.499741	7.331488	7.305764
SNPH	SNPH	7.006579	7.252515	6.95382	7.258746	7.17918	7.658733	7.313042	7.47663	7.410462	7.585455	7.457283	7.270175
SNRK	SNRK	8.929904	9.039631	8.887629	9.273452	9.2801	8.865739	8.582273	8.628267	8.923144	8.664643	8.492857	9.010932
SNRP70	SNRP70	11.10817	11.15507	10.58422	10.86898	10.74439	11.14479	10.84453	10.70916	10.64485	10.60417	10.03499	10.03264

SNRPA	SNRPA	10.46342	10.43815	9.86005	9.888173	9.554633	9.273487	8.699351	8.880607	8.859494	8.823348	8.780049	8.220261
SNRPA1	SNRPA1	12.56532	12.52867	11.9264	11.90006	11.77721	12.07557	11.41318	11.62199	11.6569	11.64328	11.61786	10.99208
SNRPB	SNRPB	12.89843	12.77224	12.20723	12.16311	11.87131	11.65531	10.9682	11.00415	11.09415	11.08957	10.96062	10.64287
SNRPB2	SNRPB2	11.57923	12.09122	11.68707	11.50061	11.45634	11.9847	11.21334	11.28389	11.38697	11.12905	11.21518	10.39077
SNRPC	SNRPC	10.47847	11.09285	10.43445	10.36036	10.02084	10.7796	10.36721	10.25111	10.52889	10.6669	10.36376	9.95608
SNRPD1	SNRPD1	9.291431	9.357763	9.082598	9.025416	8.662217	8.687436	8.167215	8.242364	8.290447	8.217795	8.052326	7.896454
SNRPD2	SNRPD2	13.30155	13.81841	13.28023	13.28387	13.16671	12.96949	12.73418	12.63819	12.87622	12.7912	12.628	12.24052
SNRPD3	SNRPD3	8.49124	8.66542	8.221171	8.753002	8.66259	8.964135	8.760175	8.687846	8.653394	8.563799	7.719798	8.606022
SNRPE	SNRPE	7.200523	7.479188	7.29297	7.382761	7.221741	7.387944	7.166808	7.162737	7.277784	7.291341	6.954046	7.16073
SNRPF	SNRPF	13.33771	14.07622	13.21311	12.85318	12.70999	12.29199	11.73433	11.52039	11.91156	11.68932	11.6204	10.76054
SNRPG	SNRPG	13.83497	14.27346	13.70451	13.53023	13.44421	13.59753	13.27278	13.19367	13.41338	13.28633	13.33498	12.6391
SNRPN	SNRPN	12.67007	12.68851	10.93422	10.77015	10.58973	11.31103	11.11536	11.19277	11.31577	11.46292	11.3664	11.32475
SNTA1	SNTA1	7.992273	8.259692	7.917163	9.074625	10.0702	11.97264	11.64047	11.86022	11.45637	11.87734	11.70383	11.29039
SNTB1	SNTB1	8.798407	9.198918	7.264304	7.968756	7.397291	7.165194	7.03665	7.155682	7.762338	7.701251	7.21769	7.515511
SNTB2	SNTB2	8.758446	8.853512	8.467171	8.90097	8.850452	9.139578	8.640235	8.675012	8.749251	8.540893	8.831577	8.704688
SNTG1	SNTG1	6.73662	6.979159	6.731714	6.929497	6.886793	6.950507	6.820879	6.945637	6.847242	6.962749	6.774454	6.770001
SNTG2	SNTG2	7.123255	7.213556	6.928717	7.079905	6.879654	6.912082	6.933483	7.03372	6.948102	6.907134	6.941031	6.957551
SNUPN	SNUPN	8.854943	9.403848	8.881687	8.719778	8.704006	8.973829	8.739189	8.885626	8.881707	8.919821	8.875642	8.622841
SNURF	SNURF	12.14821	12.23224	10.41754	10.35856	10.0329	10.92997	10.55088	10.99687	10.69406	11.08455	11.24586	10.93268
SNW1	SNW1	7.977296	8.530411	8.0193	8.304641	8.073052	8.830913	8.181524	8.003859	8.293684	8.200647	7.815636	8.092137
SNX1	SNX1	7.610181	7.67778	7.432909	7.734978	7.998462	8.090183	7.902484	8.022348	7.884866	7.936365	7.734825	7.598625
SNX10	SNX10	7.99535	7.928053	7.853076	7.805962	7.794249	7.300051	7.161445	7.217509	7.39067	7.177446	6.996685	7.184322
SNX11	SNX11	8.589226	8.621885	8.212774	8.397543	8.176495	8.635317	8.359178	8.371807	8.441818	8.537657	8.462358	8.491106
SNX12	SNX12	7.665469	8.480649	7.879327	7.887204	8.01419	8.39673	8.1859	7.952654	8.076039	8.099684	8.122373	7.798296
SNX13	SNX13	7.849221	8.438049	8.003196	8.238519	8.228339	8.621388	8.42798	8.508635	8.2356	8.518305	8.232552	8.356887
SNX14	SNX14	7.938917	8.259953	8.165713	8.862297	8.675226	8.981597	8.735866	8.623596	8.848544	8.645369	8.550878	8.853588
SNX15	SNX15	7.221092	7.31335	7.044993	7.285093	7.115485	7.339385	7.118099	7.21908	7.178307	7.181478	7.018381	7.115385
SNX16	SNX16	8.253331	8.382483	8.38214	8.414993	8.253452	8.898799	8.298216	8.357841	8.542261	8.404397	7.820293	8.042567
SNX17	SNX17	9.891656	10.31225	9.948827	10.46697	10.47334	10.87335	10.46085	10.68272	10.51896	10.70434	10.86851	10.63375
SNX19	SNX19	7.80533	8.048078	7.808733	8.383346	8.339529	8.848213	8.514317	8.378391	8.245742	8.455874	8.351904	8.566352
SNX2	SNX2	10.54455	10.88147	10.75763	10.85896	10.93298	11.16937	10.54422	10.62122	10.60088	10.33474	10.22645	9.920257
SNX21	SNX21	6.898976	7.122349	6.731716	7.004271	6.905326	7.040709	6.894954	6.953546	7.011376	6.958772	6.721893	6.851835
SNX22	SNX22	7.162896	7.21732	6.885744	7.117209	7.007577	7.080985	7.098348	7.026799	7.019348	7.150252	6.931821	7.01237
SNX24	SNX24	7.536458	7.858133	7.844096	7.773693	7.843516	8.047612	7.974203	7.75616	7.831968	7.755705	7.564566	7.443241
SNX25	SNX25	7.914505	8.362744	8.362811	8.298171	8.303466	8.717788	8.281622	8.365907	8.271488	8.30607	8.606697	8.437494
SNX26	SNX26	10.36184	9.84545	8.944668	9.978153	10.16594	9.17765	9.360541	9.057853	9.536195	8.860012	7.953895	8.119682

SNX27	SNX27	11.43143	11.64053	10.61255	10.86196	10.9498	11.03472	10.52225	10.56265	10.62598	10.53705	10.35205	10.59915
SNX3	SNX3	11.04614	11.55215	11.02929	11.75049	11.90407	12.45456	12.24923	12.24606	12.24116	12.36329	12.30804	12.09483
SNX30	SNX30	8.371225	8.883191	8.123699	8.633107	8.436083	8.252679	7.659112	7.959795	8.051824	7.859655	7.944127	7.900215
SNX4	SNX4	9.490668	9.900781	9.926729	10.39462	10.26462	10.66141	10.33165	10.32318	10.62646	10.34423	10.06628	9.998862
SNX5	SNX5	10.08914	10.26812	9.653619	9.586511	9.312228	9.428707	8.827549	8.850696	8.828094	8.706258	8.524516	8.540384
SNX6	SNX6	8.841626	9.030901	8.88712	9.324246	8.929299	9.440204	8.968328	8.920121	8.881549	8.743321	8.58676	9.139963
SNX7	SNX7	8.026027	8.461614	8.206991	8.257438	8.046525	8.528732	8.279272	8.181751	8.30092	8.208721	8.423972	8.174948
SNX8	SNX8	8.115622	8.346237	8.129752	7.966205	7.770947	7.831719	7.508156	7.479331	7.646979	7.57281	7.84913	7.879112
SNX9	SNX9	6.838116	6.973041	6.886506	6.986152	6.90298	6.991758	6.911838	6.948396	6.881149	7.000957	6.894504	6.850394
SOAT1	SOAT1	7.104096	7.541943	7.608	7.855832	7.396771	7.771126	7.339083	7.410412	7.319802	7.441021	7.255962	7.250677
SOAT2	SOAT2	6.948439	7.026927	6.850033	7.084037	6.971694	7.107526	6.907521	6.985509	6.906214	6.987125	6.859987	6.902488
SOCS1	SOCS1	8.165938	7.81308	7.531229	7.468657	7.620722	7.094515	6.972365	7.118114	7.215282	7.146199	7.045064	7.024487
SOCS2	SOCS2	10.16216	11.92538	10.90866	11.10159	10.58625	9.897123	9.012213	9.210402	9.368534	8.995973	8.51393	8.112172
SOCS3	SOCS3	7.048445	7.231075	7.144476	7.312797	7.211229	7.353494	7.304704	7.512656	7.420155	7.379551	7.699793	7.457911
SOCS4	SOCS4	8.159392	8.608371	8.405899	8.435651	8.156844	8.405517	7.856219	8.008182	7.811777	7.816329	7.906873	7.796098
SOCS5	SOCS5	7.523987	7.767819	7.277646	7.552966	7.406295	7.589307	7.393968	7.399454	7.534225	7.41918	7.518581	7.441542
SOCS6	SOCS6	7.019907	7.242656	7.083344	7.275086	6.975321	7.115078	7.199404	7.293978	7.277599	7.18354	7.101142	7.14211
SOCS7	SOCS7	6.948604	7.313167	6.97422	7.087587	7.08158	7.079262	6.912323	7.004564	6.946513	7.012637	6.821471	6.919782
SOD1	SOD1	12.8294	13.36672	12.9364	12.7739	12.76509	13.45182	13.27062	13.19956	13.35046	13.41307	13.40284	13.06373
SOD2	SOD2	8.979306	9.302802	8.774976	8.517995	8.478423	10.0252	9.302988	9.484917	9.366178	9.599628	9.814322	9.679808
SOD3	SOD3	6.916004	7.090264	6.783879	7.005052	6.986548	7.057586	6.997586	7.269677	6.968101	7.602002	8.453819	7.933928
SOHLH2	SOHLH2	7.581448	7.828209	7.090621	7.431918	7.161846	7.185798	7.175626	7.077574	7.471464	7.234259	6.769123	6.971019
SOLH	SOLH	7.59528	7.69873	7.278422	7.652021	7.329692	7.453814	7.248774	7.347165	7.192483	7.380139	7.088946	7.069947
SON	SON	9.678659	9.909289	9.514914	9.696623	9.483526	9.867098	9.230922	9.293035	9.172826	9.196652	8.949225	9.21105
SORBS1	SORBS1	7.444192	7.681183	7.195803	7.434338	7.564709	8.195934	7.44713	7.50506	7.371588	7.507343	7.293283	7.817084
SORBS2	SORBS2	7.814352	7.35315	7.039971	8.251715	9.289448	12.02015	11.71492	11.95411	11.35913	11.86208	11.28512	11.37532
SORBS3	SORBS3	7.826885	7.53963	7.480467	7.798082	7.971671	7.753778	7.54538	7.847151	7.641821	7.74698	7.85298	7.434923
SORCS1	SORCS1	7.14305	7.465919	6.996088	7.175946	7.215331	7.519079	7.847728	7.468608	7.257064	7.221487	6.909497	7.148415
SORCS2	SORCS2	6.969493	7.196351	6.894146	7.182288	7.272754	7.154954	7.155607	7.193576	7.510998	7.197528	7.142432	7.299114
SORCS3	SORCS3	6.933887	7.231841	6.91619	7.049513	7.079179	7.131246	7.241833	7.195358	7.132853	7.03163	6.77292	6.94684
SORD	SORD	10.71318	10.42498	9.927494	10.61264	10.38469	10.8536	10.43647	10.00487	9.818961	9.537522	9.142102	8.904129
SORL1	SORL1	8.82087	9.214469	8.258981	8.302117	7.754485	7.465121	7.130362	7.357366	7.346174	7.265583	7.098973	7.272486
SORT1	SORT1	9.160256	9.08501	8.379459	9.40144	9.188152	9.981009	9.650929	10.00387	9.809093	9.944712	9.743048	9.584931
SOS1	SOS1	7.369185	7.817975	7.271656	8.139737	7.706274	7.558188	7.597862	7.678874	7.704252	7.481854	7.485516	7.969166
SOS2	SOS2	6.867989	7.123313	6.883927	7.289315	7.16124	7.531715	7.346119	7.421995	7.295916	7.367654	7.277795	7.1679
SOST	SOST	6.930947	7.088578	6.917347	7.388425	7.271888	7.069446	6.903176	6.911911	6.976882	6.940348	6.752702	6.823574

SOSTDC1	SOSTDC1	7.13618	7.440872	7.299697	7.399131	7.385888	7.333741	7.290287	7.412142	7.743401	7.419824	7.071801	7.072093
SOX1	SOX1	6.749883	6.954123	6.772118	6.945377	6.815012	6.863347	6.855851	6.90589	6.668382	6.80985	6.695064	6.762709
SOX10	SOX10	7.154864	7.400469	7.008296	7.109593	6.917885	7.052765	6.798989	7.050155	6.871225	6.890843	6.817744	6.749298
SOX11	SOX11	10.20479	10.34512	10.1685	9.913611	9.706932	9.688411	8.83172	8.740156	9.690192	8.55992	8.352843	7.72748
SOX12	SOX12	7.819209	7.601158	7.453284	7.913113	7.818478	7.508693	7.496644	7.420929	7.431186	7.359087	7.094865	7.057252
SOX13	SOX13	9.461732	9.475089	8.728519	8.507597	7.780951	7.474983	7.112721	7.304064	7.135287	7.109439	7.044282	6.948386
SOX14	SOX14	7.252548	7.390723	6.985233	7.152113	7.181497	7.161059	7.059418	7.14406	7.133745	7.040537	7.062271	7.051821
SOX15	SOX15	7.937639	7.954094	7.012596	7.340121	7.136393	7.138818	6.918837	6.929782	7.055002	7.117672	6.769181	6.77113
SOX17	SOX17	6.828112	7.016219	10.24616	8.180247	7.325134	7.086888	6.953963	7.095941	7.105822	7.099232	7.292483	6.922026
SOX18	SOX18	6.988466	7.254103	8.976841	7.687875	7.983347	7.012293	6.938084	6.962029	7.03774	7.000521	6.807935	6.875821
SOX2	SOX2	12.06834	12.70556	9.485309	7.558281	7.866901	7.066095	6.917074	6.981188	8.055626	7.017415	6.846744	6.814316
SOX21	SOX21	9.874213	10.92386	7.214236	7.396281	7.308507	7.0325	6.924581	6.969896	7.144251	6.94073	6.758941	6.926932
SOX3	SOX3	9.269384	9.148199	7.526824	7.286492	7.143533	7.346136	6.848617	7.011032	6.929184	6.952864	6.746143	6.811779
SOX30	SOX30	6.875408	7.093622	6.898472	7.079105	7.014324	6.987728	6.895716	6.952944	6.811225	6.98544	6.827331	6.828902
SOX4	SOX4	9.849098	9.922784	9.371367	10.35506	9.871392	8.958186	8.941873	8.871922	9.530468	8.784289	8.416404	8.73203
SOX5	SOX5	6.86018	7.080948	6.841497	7.13159	6.959277	7.034387	6.973428	6.950625	6.857699	6.920757	6.824431	6.800584
SOX6	SOX6	6.869757	7.009788	6.764238	7.382171	7.563108	7.099716	7.019392	7.02294	7.047067	6.983469	6.841225	6.90711
SOX7	SOX7	7.027851	7.206275	6.95264	7.562678	7.362902	7.10356	6.964847	7.047826	7.013926	7.011471	6.838962	6.947183
SOX8	SOX8	9.86034	9.586609	8.577263	9.830756	10.27624	8.76337	8.145283	7.867496	8.947162	8.205139	7.058094	7.28783
SOX9	SOX9	7.969243	7.843447	8.387146	8.707981	8.302539	9.249151	8.718549	8.993814	8.553101	8.496049	8.789314	8.146782
SP1	SP1	8.771404	8.939414	8.824554	8.897922	8.576464	8.427259	8.232785	8.26881	8.344899	8.233143	7.774712	8.107701
SP100	SP100	6.831518	7.029285	6.804127	7.03696	6.91883	6.930629	6.85072	7.017143	6.980015	6.977722	7.051276	7.072741
SP110	SP110	7.529172	7.879749	7.207019	7.218397	7.236435	7.141918	7.197866	7.347818	7.477607	7.449333	7.620343	7.59995
SP140	SP140	6.843569	7.298543	6.827334	6.952963	6.871479	6.90992	6.779294	6.867709	6.821192	6.928371	6.827432	6.833202
SP2	SP2	8.104869	8.27104	8.284373	8.260359	7.973865	8.602472	8.094461	8.287757	8.087129	8.525323	8.446599	8.062153
SP3	SP3	8.142871	8.847521	8.420845	8.872455	8.71425	8.527279	8.193394	8.163667	8.17537	8.123126	7.921955	7.952395
SP4	SP4	9.002183	9.178083	8.541694	8.434728	8.277587	8.606271	8.168155	7.969198	8.167722	7.870763	7.498137	7.988215
SP5	SP5	7.118684	7.418434	10.323	8.578103	7.433854	7.598325	7.25407	7.270774	7.37375	7.250252	7.329703	7.237932
SP6	SP6	7.171473	7.462118	7.355512	7.481783	7.366644	7.647789	7.222278	7.290409	7.134975	7.156632	6.992387	7.063038
SP7	SP7	6.930049	6.994389	6.839947	6.989873	6.920438	7.021581	6.753795	6.778198	6.88872	6.934169	6.812567	6.7468
SP8	SP8	8.136646	7.699312	9.321896	8.086531	7.228647	7.019561	6.986186	7.058518	6.956771	7.026403	6.862062	6.949194
SPA17	SPA17	8.801841	9.113143	9.589263	9.615824	9.59807	9.745986	9.217849	9.106185	9.25949	9.085865	8.703063	8.26207
SPACA1	SPACA1	6.975064	7.243343	6.870934	7.16431	7.065161	7.068412	6.928327	7.047765	6.917411	7.087496	6.886466	6.961181
SPACA3	SPACA3	6.901061	7.188301	6.935557	7.18552	7.151839	7.123676	6.971242	7.097633	7.095897	6.958007	6.875481	6.974744
SPACA4	SPACA4	6.984981	7.056385	6.764012	7.090021	7.044878	7.159133	6.89453	7.031119	7.034361	7.121389	6.877449	6.880561
SPACA5	SPACA5	6.882237	7.119959	6.787736	7.072677	6.923091	6.958071	6.838563	6.907374	6.889044	6.930651	6.831575	6.841693

SPACA5B	SPACA5B	6.890038	7.145161	6.794141	6.96172	7.018577	6.967726	6.920636	7.008069	6.890582	6.981908	6.762131	6.782439
SPAG1	SPAG1	7.008925	7.345094	7.121338	7.467203	7.215638	7.371471	7.150472	7.173101	7.211217	7.155418	6.98406	7.121234
SPAG11	SPAG11	6.807296	6.981378	6.723762	6.878611	6.79873	6.778896	6.829105	6.920971	6.793121	6.891473	6.734699	6.747716
SPAG11A	SPAG11A	7.10417	7.220874	6.970206	7.359708	7.275793	7.302221	7.437898	7.255627	7.404062	7.269393	6.969828	7.230349
SPAG16	SPAG16	7.352159	7.701041	7.44341	7.712648	7.736346	8.052332	7.787961	7.755123	7.765809	7.747609	7.502321	7.729888
SPAG17	SPAG17	6.719057	7.014631	6.72455	6.999682	6.864242	6.973076	6.944449	6.902331	6.821521	6.877986	6.724727	6.773811
SPAG4	SPAG4	6.961162	7.059292	6.832539	6.978358	6.840076	6.985546	6.795147	6.812207	6.968847	6.780422	6.835316	6.728923
SPAG4L	SPAG4L	6.971244	6.974574	6.96333	7.093068	7.072568	7.00676	6.885043	6.995273	6.975176	6.871709	6.792585	6.884402
SPAG5	SPAG5	8.633562	8.947388	8.480667	8.633364	8.078856	8.176616	7.874302	7.70425	7.719953	7.641644	7.3163	7.182303
SPAG6	SPAG6	6.917	7.054676	6.845621	7.093549	6.958291	6.952149	6.805856	6.83255	6.910611	6.815277	6.817345	6.801831
SPAG7	SPAG7	9.524173	9.973733	9.634311	9.736254	9.838915	11.03828	10.69926	10.95721	10.91709	11.01415	10.68627	10.47222
SPAG8	SPAG8	6.873082	7.01091	6.727241	6.973859	6.929913	6.942944	6.865289	6.974164	6.884471	6.908331	6.787031	6.839049
SPAG9	SPAG9	8.514783	9.278331	8.766587	8.773357	8.793628	9.054996	8.585818	8.56684	8.730624	8.530949	8.682645	8.496056
SPAM1	SPAM1	6.933692	7.092805	6.7848	7.044426	6.913228	7.006697	6.926661	6.923897	6.964488	7.031378	6.798354	6.904814
SPANXA1	SPANXA1	6.896776	7.163412	6.896551	6.975023	7.13413	6.98664	6.964491	6.947413	6.94779	6.921843	6.859706	6.894463
SPANXB1	SPANXB1	6.986462	7.167264	6.880191	7.069082	7.057038	6.982789	6.938239	6.924707	6.918137	7.040226	6.785211	6.892591
SPANXC	SPANXC	6.746443	6.969191	6.772316	6.937745	6.853682	6.910974	6.716797	6.89955	6.772959	6.855712	6.741737	6.738113
SPANXD	SPANXD	6.923179	7.177289	6.911148	7.033872	6.974375	7.065265	6.928757	6.95488	6.87104	7.042619	6.817373	6.874085
SPANXE	SPANXE	6.846489	7.092889	6.839218	7.014518	6.943033	6.892382	6.83141	6.935217	6.90392	6.898163	6.722722	6.893657
SPANX-N1	SPANX-N1	6.726932	6.944665	6.685138	6.979344	6.883728	6.900012	6.863174	6.958574	6.815618	6.877125	6.818205	6.833418
SPANX-N2	SPANX-N2	6.781045	6.945822	6.669295	6.806744	6.895978	7.072114	6.816147	6.821752	6.860425	6.780452	6.64557	6.676354
SPANX-N3	SPANX-N3	6.90903	6.960301	6.695211	6.994462	6.880446	6.802945	6.827836	6.891183	6.787489	6.758623	6.713649	6.747656
SPANX-N4	SPANX-N4	6.665906	6.861063	6.678304	6.915235	6.822905	6.824188	6.786197	6.910684	6.799055	6.770412	6.777505	6.707829
SPANX-N5	SPANX-N5	6.823867	6.924664	6.637772	6.891937	6.837035	6.785364	6.692439	6.742075	6.854617	6.783865	6.655348	6.64066
SPARC	SPARC	9.654987	9.923855	9.469769	10.72962	11.78235	10.50169	10.84805	11.65425	11.63401	11.4695	12.69103	11.6659
SPARCL1	SPARCL1	7.52515	7.379973	7.042323	7.072222	7.032164	6.974985	6.881613	7.134289	9.241872	7.670838	6.903263	7.002045
SPAST	SPAST	8.177722	8.480188	8.072587	8.361117	8.327637	8.294467	7.906537	7.803277	7.852702	7.576234	7.616999	7.471092
SPATA1	SPATA1	6.969648	7.177248	6.844567	7.050738	6.961699	7.097535	6.890062	7.016126	6.957465	6.964496	6.774017	6.86227
SPATA12	SPATA12	6.840186	7.01878	6.8965	7.032643	6.83797	6.881522	6.909655	6.917281	6.871196	6.91788	6.891907	6.763592
SPATA13	SPATA13	7.196606	7.45015	7.161994	7.397076	7.077176	6.917247	6.921304	6.928218	7.002873	7.069688	6.808095	6.974073
SPATA16	SPATA16	6.83343	7.056757	6.800961	6.955266	6.908302	6.965017	6.878868	6.801448	6.836611	6.867881	6.755896	6.765196
SPATA18	SPATA18	7.222533	7.282904	7.151125	7.534691	7.693666	9.212835	8.279126	8.192062	7.880902	7.602216	7.492608	7.897773
SPATA19	SPATA19	6.83002	7.092447	6.886612	6.96846	7.013144	7.013508	6.856673	6.921008	6.929989	7.099712	6.86747	6.812773
SPATA2	SPATA2	7.749077	7.814585	7.399192	7.654956	7.697445	7.733575	7.595432	7.720075	7.556687	7.685241	7.441343	7.449936
SPATA20	SPATA20	8.950113	8.937807	8.676108	8.973425	9.648262	10.16238	9.958988	10.01603	10.00367	9.829758	9.448068	9.963196
SPATA21	SPATA21	6.766675	6.95638	6.718178	6.917897	6.806136	6.960749	6.860456	6.869042	6.727634	6.791247	6.667578	6.74881

SPATA22	SPATA22	6.855878	7.095069	6.811916	6.968813	6.962849	6.907601	6.892786	6.97336	6.844375	6.900353	6.789906	6.810356
SPATA3	SPATA3	6.840615	7.035597	6.826734	7.045418	7.012869	7.041732	6.902336	6.943988	6.898371	6.970336	6.863689	6.792483
SPATA4	SPATA4	6.81	7.038948	6.775465	6.951157	6.973841	7.221598	6.97488	7.014214	7.060018	6.87126	6.889513	7.112603
SPATA5	SPATA5	6.967533	7.248329	6.914465	7.170531	6.995973	7.129311	7.017606	7.090372	7.026645	7.11885	6.906905	6.986776
SPATA5L1	SPATA5L1	8.683866	9.080367	8.726642	8.942509	8.922965	9.56015	8.799209	8.847591	8.82086	8.75241	8.95597	8.975795
SPATA6	SPATA6	7.091086	7.577987	7.476495	7.40949	7.281467	7.036599	7.039966	7.134015	7.203316	7.088421	7.023368	7.085696
SPATA7	SPATA7	8.432513	8.357992	8.243646	8.946266	8.885359	9.216205	9.026424	8.761024	8.871454	8.613247	7.934941	8.238068
SPATA8	SPATA8	6.935409	7.056086	6.958291	7.241009	7.049444	7.134875	6.986541	7.127598	6.931557	6.985222	6.752285	6.859679
SPATA9	SPATA9	6.851204	7.035687	6.812036	7.052369	7.010969	7.070047	6.906932	7.010066	6.973275	6.968767	6.883194	6.903076
SPATC1	SPATC1	6.980545	7.231254	6.835491	7.144177	6.942258	7.061339	7.024209	6.996166	6.937105	7.049603	6.849947	6.934593
SPATS1	SPATS1	6.768832	7.088976	6.75663	7.01521	6.81709	6.909242	6.842965	6.858642	6.806107	6.8185	6.705535	6.813854
SPATS2	SPATS2	7.850753	8.059397	7.813397	8.389854	8.101235	8.182629	8.082332	7.883875	7.998831	7.903771	7.955901	8.227118
SPC24	SPC24	9.795105	10.2245	9.990697	10.06038	9.899733	9.608958	9.772048	9.314341	9.474069	9.266474	8.08215	7.880745
SPC25	SPC25	8.536302	8.93923	8.719594	8.312545	7.774527	7.881851	7.703118	7.61951	7.603471	7.544964	7.111567	6.895191
SPCS1	SPCS1	12.22052	12.46954	11.93934	11.86271	12.18338	12.65112	12.18456	12.45294	12.30611	12.36249	12.57142	12.12895
SPCS2	SPCS2	10.40307	10.92799	10.58441	10.55983	10.54772	11.20338	10.58046	10.70289	10.62739	10.62632	10.70399	10.53385
SPCS3	SPCS3	7.893012	8.521005	8.391691	8.758436	8.551488	8.562225	7.955343	8.15804	8.164487	8.144613	8.553935	8.303005
SPDEF	SPDEF	6.893596	7.176282	6.812611	6.960095	7.018146	7.005279	6.858458	6.896189	6.919778	6.985257	6.814057	6.824825
SPDY1	SPDY1	6.926956	7.074962	6.860925	7.041755	6.992167	7.144253	6.946787	6.984596	6.947413	7.045396	6.817889	6.875862
SPECC1	SPECC1	7.162605	7.317135	7.131352	7.362975	7.186704	7.428378	7.037831	7.08101	7.000042	7.093915	6.825341	6.970588
SPEN	SPEN	10.05063	10.08307	9.66907	10.27237	9.936432	9.749489	9.36794	9.565349	9.528051	9.256413	9.2878	9.194761
SPERT	SPERT	6.954032	6.974101	6.926406	7.045347	6.930792	7.022609	7.005579	6.936602	6.899928	7.015364	6.784676	6.848338
SPESP1	SPESP1	6.881631	7.048999	6.791909	7.05751	6.899988	6.955024	6.864443	6.965554	6.901884	6.819193	6.782234	6.880676
SPFH1	SPFH1	7.422044	7.762962	7.379611	7.629274	7.309509	7.11837	7.095669	7.209838	7.22917	7.192982	7.17796	7.245119
SPFH2	SPFH2	8.768088	9.105211	8.765183	8.948472	8.905069	8.822151	8.11512	7.978047	8.218135	7.926896	7.667793	7.915921
SPG20	SPG20	7.912783	8.26083	7.860537	8.235352	8.098268	7.977777	7.750842	7.654884	7.81444	7.645098	7.531223	7.471776
SPG21	SPG21	8.058987	8.169582	7.955174	8.065792	8.081564	8.541052	8.057655	8.348885	8.149199	8.218731	8.221877	8.1204
SPG3A	SPG3A	8.131148	8.563006	7.438225	7.637418	7.518266	7.876183	7.460131	7.681615	8.245113	7.629132	7.683827	7.82432
SPG7	SPG7	10.05367	9.994454	9.54243	10.02584	9.935041	9.831338	9.654081	9.679158	9.645321	9.403142	9.037199	9.512655
SPHAR	SPHAR	7.308544	7.538456	7.245257	7.71521	7.794395	8.081262	8.135654	7.942947	8.097128	7.980737	7.43123	7.788565
SPHK1	SPHK1	6.99689	7.400577	7.209016	7.340007	7.201023	7.622143	7.273681	7.309829	7.283196	7.243863	7.88352	7.412389
SPHK2	SPHK2	11.56115	11.80044	10.91117	11.1105	10.75736	10.17953	10.02461	9.86024	10.08907	9.782937	9.388266	9.850881
SPI1	SPI1	6.928136	7.025172	6.818053	7.022707	6.886158	7.047662	6.800423	6.943078	6.877254	6.85728	6.860189	6.863786
SPIB	SPIB	7.534277	8.170265	7.439933	6.910063	7.06153	6.912322	6.980357	6.930654	6.911398	6.904506	6.761943	6.85541
SPIC	SPIC	6.816954	7.005787	6.742702	7.037529	6.955418	7.096209	7.005028	7.06965	6.982594	7.007391	6.866338	6.906044
SPIN	SPIN	8.774306	9.078618	8.675812	9.019104	8.869965	8.857641	8.657684	8.357147	8.739569	8.263668	7.785433	8.510026

SPIN1	SPIN1	10.10461	10.564	9.937923	10.25828	9.976363	10.69637	10.20412	9.931701	10.14694	10.0281	9.684862	10.40344
SPIN2	SPIN2	6.910776	6.986066	6.876353	7.066897	6.881529	7.186608	7.022636	7.09733	7.089997	7.236906	6.826704	6.948339
SPIN-2	SPIN-2	6.949565	7.159146	6.88071	7.120716	7.025004	7.185891	6.978313	7.042865	7.043	7.108893	6.915837	6.907492
SPIN2B	SPIN2B	7.212156	7.454941	7.137982	7.314505	7.240773	8.211188	7.581564	7.678267	7.558904	7.780115	7.556342	7.382499
SPIN3	SPIN3	8.550801	8.894687	8.495408	8.317843	8.426618	8.146227	7.687647	7.713614	7.876885	7.606893	7.401887	7.537905
SPINK1	SPINK1	7.104276	7.147777	6.929615	7.512232	9.450539	7.087697	6.839989	7.029507	8.884348	8.170246	6.747587	6.907451
SPINK2	SPINK2	7.129564	7.461085	7.053809	7.117055	7.007886	6.997477	6.942377	6.978152	6.973407	7.063662	6.779723	6.796586
SPINK4	SPINK4	6.71492	7.043639	6.808682	7.01564	6.892421	7.2053	7.014207	6.9576	6.862712	6.84499	6.841964	6.891305
SPINK5	SPINK5	7.299972	7.335906	7.116521	7.213189	7.01833	7.147452	6.885236	7.142725	7.088115	7.225924	6.951475	6.845961
SPINK5L2	SPINK5L2	6.998249	7.131251	6.902955	7.126511	6.946541	6.961933	6.883061	6.989955	6.964629	6.990752	6.766064	6.904083
SPINK5L3	SPINK5L3	6.912758	7.069369	6.884694	7.114022	6.9866	6.890184	6.905608	6.987851	6.885636	6.98699	6.868252	6.947571
SPINK6	SPINK6	6.928662	7.058749	6.797145	7.046146	6.862809	6.865755	6.870786	6.975313	6.954676	6.920641	6.737931	6.849142
SPINK7	SPINK7	6.847367	6.991974	6.750954	6.874014	6.833577	6.933367	6.861444	6.895346	6.806999	6.822626	6.784056	6.863683
SPINK9	SPINK9	7.02564	7.011899	6.969129	7.048778	6.920151	7.001907	7.069542	7.118836	6.934626	6.842623	6.9251	6.805869
SPINLW1	SPINLW1	6.948881	7.157328	6.906524	7.111778	7.006881	7.068339	6.986946	6.992742	6.965916	7.050387	6.844999	6.944463
SPINT1	SPINT1	7.77815	8.037805	7.444649	7.478522	7.196439	7.032713	6.84431	6.97936	6.898952	6.919653	6.729393	6.813196
SPINT2	SPINT2	11.68221	11.95516	11.53263	11.32646	11.05422	11.23403	10.40935	10.19244	10.0815	9.533724	9.280184	9.006833
SPINT4	SPINT4	6.837307	7.006463	6.724389	6.915041	6.924836	6.803654	6.860136	6.954798	6.834534	6.934747	6.636777	6.838129
SPIRE1	SPIRE1	9.938884	9.923452	9.302358	10.51876	10.37351	10.81074	10.35991	10.46298	10.45157	10.49749	10.27312	10.50167
SPIRE2	SPIRE2	7.724903	7.859906	7.382623	7.795848	7.537219	7.331068	7.028747	6.997792	7.100901	6.925625	6.886071	6.900053
SPN	SPN	7.188951	7.592066	7.192029	7.528435	7.535867	7.398652	7.364728	7.187659	7.330719	7.29618	7.064691	7.194894
SPO11	SPO11	6.965135	7.17133	6.842709	7.025904	6.958174	7.052708	6.98147	7.02011	6.971031	7.07271	6.894208	6.866162
SPOCD1	SPOCD1	7.204469	7.380315	7.065458	7.422862	7.22824	7.478908	7.366378	7.518803	7.483593	7.463982	7.858912	7.606792
SPOCK	SPOCK	8.633918	7.910237	7.419478	8.196039	9.176084	9.385633	9.080017	9.443963	9.74198	9.919091	11.45843	10.78317
SPOCK2	SPOCK2	7.578754	7.47265	7.169524	7.512618	7.365898	7.252955	7.396821	7.66876	8.732527	7.471364	7.625655	7.263436
SPOCK3	SPOCK3	6.807837	7.013589	6.735579	7.004927	6.824429	7.002452	6.904444	6.837049	6.84202	6.784633	6.772602	6.839365
SPON1	SPON1	7.900487	10.39891	9.781616	10.34798	10.64599	10.44843	9.900313	9.919192	10.21743	9.277129	8.441633	7.583973
SPON2	SPON2	6.774712	7.092239	6.775089	7.081851	7.163796	6.926006	6.695269	6.848091	6.966074	6.88155	6.734279	6.854993
SPOP	SPOP	9.243957	9.753969	9.060859	9.748031	10.04806	10.90258	10.35009	10.48097	10.19658	10.30773	10.0961	10.50857
SPP1	SPP1	8.874675	11.90062	9.894484	9.567068	8.942099	7.69482	8.349726	8.54332	8.842005	8.585554	8.705067	8.480226
SPP2	SPP2	6.810115	6.93184	6.720667	6.854507	6.82366	6.984716	6.868038	6.935571	6.870995	6.866339	6.733255	6.749617
SPPL2A	SPPL2A	9.073222	9.623201	9.749025	10.00456	9.460872	10.04016	9.466431	9.807657	9.677332	9.880471	10.05526	10.03365
SPPL2B	SPPL2B	7.019639	7.23068	7.002728	7.250713	7.120499	7.164702	7.061923	7.097049	7.021223	7.121607	6.947699	6.948833
SPPL3	SPPL3	7.113725	7.533211	7.117951	7.490463	7.437884	7.535106	7.20482	7.207138	7.333215	7.072506	7.058001	7.125072
SPR	SPR	7.48405	7.798144	7.262957	7.848156	7.734518	8.427936	7.997356	8.023036	8.081481	8.177637	8.315004	8.282263
SPRED1	SPRED1	11.59387	11.67159	11.42818	11.2143	10.28894	10.22523	9.667808	9.761641	10.25312	9.799268	10.02194	9.979806

SPRED2	SPRED2	8.01559	8.753293	8.940007	9.067202	8.529314	8.340667	8.221803	8.182804	8.127035	8.129733	8.161068	8.346297
SPRED3	SPRED3	7.000288	7.12923	6.760033	7.00275	6.980786	7.017976	6.88285	6.942099	6.921898	6.968791	6.906492	6.919095
SPRN	SPRN	6.830175	7.150551	6.845509	7.016008	6.913812	6.988404	6.936253	7.021873	6.903222	7.120089	6.887547	6.909296
SPRR1A	SPRR1A	6.984191	7.070003	6.783897	7.086188	6.842026	6.961838	6.936276	6.959596	7.0771	7.032235	6.750652	6.935225
SPRR1B	SPRR1B	7.171141	7.336536	6.98445	7.156099	7.102776	7.150285	7.132639	7.198818	7.069689	7.165112	6.921234	6.97483
SPRR2A	SPRR2A	6.870142	7.085312	6.81613	7.025129	6.92386	6.964459	6.810882	6.959696	6.894692	6.927436	6.834585	6.819314
SPRR2B	SPRR2B	6.839326	7.013124	6.776184	6.958627	6.853864	6.958859	6.801376	6.883558	6.788497	6.949212	6.748501	6.735931
SPRR2C	SPRR2C	6.995996	6.945379	6.767153	6.96205	6.882013	6.828456	6.853637	6.843509	6.844699	6.809844	6.801195	6.832
SPRR2D	SPRR2D	6.846671	6.934122	6.785931	6.995259	6.915724	6.962846	6.882948	7.022556	6.861026	6.838072	6.828397	6.779888
SPRR2E	SPRR2E	6.83039	6.995837	6.79741	6.993499	6.876595	6.8568	6.858793	6.884	6.818358	6.898848	6.735554	6.785613
SPRR2F	SPRR2F	7.215776	7.429277	7.056735	7.311903	8.605444	7.732408	7.647197	7.875976	8.320592	7.299885	7.829517	7.025391
SPRR2G	SPRR2G	6.924724	6.981617	6.889956	7.135032	6.960504	7.033133	6.967817	7.0395	6.989105	6.988512	6.90033	6.898842
SPRR3	SPRR3	6.807643	7.097377	6.854328	7.069585	7.0614	6.899444	6.929058	6.929523	6.896644	7.012172	6.744116	6.881723
SPRR4	SPRR4	7.002208	7.216802	6.897411	7.066946	7.052112	7.049914	6.922421	6.965039	7.026866	7.03371	6.923	6.989316
SPRY1	SPRY1	9.502542	9.367802	9.512586	9.3566	8.460902	8.833615	9.19795	9.593247	9.599395	9.399413	9.867078	9.235602
SPRY2	SPRY2	10.14229	10.50937	10.89847	11.39924	10.3685	10.88948	10.60085	10.07681	10.3564	10.15799	9.74936	10.03576
SPRY3	SPRY3	6.92407	7.156689	6.888557	7.17809	6.916175	6.937672	6.922806	7.009252	6.972659	6.946729	6.830718	6.795057
SPRY4	SPRY4	9.742853	9.420244	10.31675	9.069239	7.928261	8.818338	8.401054	8.794352	8.441442	8.543814	8.820585	8.198354
SPRYD3	SPRYD3	7.985098	8.078061	7.779413	8.010087	8.454791	9.513361	9.805536	9.94301	10.24541	10.41047	9.673555	10.59657
SPSB1	SPSB1	7.167954	7.452436	7.698793	8.241673	7.893072	7.447603	7.180483	7.222512	7.234788	7.233309	7.662369	7.548635
SPSB2	SPSB2	7.538594	8.126508	7.77546	7.473509	7.487274	7.846147	7.191911	7.252856	7.267841	7.377116	7.306266	6.941996
SPSB3	SPSB3	9.861148	10.22469	9.736931	10.5455	10.56518	11.01312	10.73682	10.54322	10.74037	10.57876	9.975888	10.60643
SPSB4	SPSB4	7.054923	7.244947	7.05946	7.297646	7.171797	7.427582	7.129825	7.220965	7.188868	7.231288	6.997929	6.98274
SPTA1	SPTA1	7.005101	7.391279	7.057132	7.219407	7.062153	7.241597	7.003841	7.05581	7.163262	7.150425	6.917911	7.017034
SPTAN1	SPTAN1	9.559057	9.851356	9.584822	10.09371	9.813527	10.20526	9.846893	10.22558	9.786901	10.07279	10.15084	9.448704
SPTB	SPTB	6.848511	7.115728	6.780302	7.040891	6.857152	7.201803	7.000297	7.103987	7.085975	7.26018	7.159563	7.005941
SPTBN1	SPTBN1	8.145783	8.371859	8.00373	8.417604	8.459242	9.709401	9.34409	9.798942	9.216031	9.649814	9.177944	9.365992
SPTBN2	SPTBN2	7.141098	7.448939	6.977031	7.660139	7.693829	7.084326	6.966618	6.992073	7.002681	7.022404	6.831988	6.918735
SPTBN4	SPTBN4	6.996334	7.128703	6.853871	7.101371	6.969923	6.952538	6.908745	6.98113	7.028352	6.953897	6.849058	6.888735
SPTBN5	SPTBN5	6.980622	7.143773	6.783141	7.211639	7.096443	7.262291	7.371819	7.30505	7.155032	7.491929	7.054419	7.049463
SPTLC1	SPTLC1	9.838861	10.58579	10.13331	10.34834	10.45498	10.35274	10.36481	9.949128	10.20247	9.92597	9.97805	10.17268
SPTLC2	SPTLC2	7.842549	7.975089	7.420367	7.874135	7.76297	8.111609	7.598824	7.893076	7.66675	7.531188	7.614585	7.416112
SPTLC3	SPTLC3	6.902753	7.072159	6.896842	7.084163	7.245038	7.58062	7.182685	7.208293	7.117741	7.120243	6.9563	7.007221
SPTY2D1	SPTY2D1	7.768946	7.841	7.601723	8.193525	8.086341	8.403421	7.767571	7.94031	7.714416	7.877177	7.817248	8.358203
SPZ1	SPZ1	6.871808	6.948392	6.786129	7.120887	6.862072	7.081998	6.990923	6.905207	6.784598	6.916252	6.776513	6.893412
SQLE	SQLE	10.91393	10.75426	10.14566	10.81707	10.66677	10.6061	10.01968	10.14673	10.26515	9.746912	10.14765	9.518806

SQRDL	SQRDL	6.8799	6.999994	6.803197	6.947612	7.017701	7.089259	6.953756	7.040132	7.004473	7.298788	7.195412	7.222583
SQSTM1	SQSTM1	9.898461	11.69778	9.997595	9.70807	9.931087	11.64543	10.65006	10.71837	10.90383	11.02629	11.17298	11.67333
SR140	SR140	9.477826	10.1223	9.826625	9.761461	9.347381	9.50658	8.890482	8.995411	9.002957	8.936453	8.847439	8.827032
SRA1	SRA1	7.850192	8.048867	7.556196	7.927726	7.81706	8.424757	8.083655	8.20411	8.176932	8.275215	8.077645	8.182754
SR-A1	SR-A1	7.102348	7.263927	6.945378	7.312508	7.210027	7.18055	7.171308	7.115973	7.041763	7.256475	7.04484	7.110536
SRC	SRC	7.945989	8.210883	8.351758	9.304623	8.563756	8.254755	7.683069	7.777859	7.85006	7.507728	7.603519	7.410687
SRCAP	SRCAP	7.026256	7.19592	7.057673	7.393925	7.216976	7.298222	7.060298	7.243472	7.081569	7.025634	6.993729	6.995621
SRCRB4D	SRCRB4D	7.06611	7.291895	6.953084	7.122424	7.075938	7.193445	6.923732	6.912025	6.961509	6.997241	6.915449	6.8943
SRD5A1	SRD5A1	8.497535	8.786401	8.090714	8.271919	7.761984	7.946117	7.650454	7.816795	7.460477	7.490249	7.628586	7.469226
SRD5A2	SRD5A2	6.972395	7.265625	6.922821	6.994951	7.118956	7.006258	6.937204	6.930199	6.909038	7.022594	6.857446	6.855856
SRD5A2L	SRD5A2L	7.313348	7.579426	7.271882	7.248598	7.084521	7.401458	7.179256	7.171596	7.165124	7.160506	6.993771	7.104808
SRD5A2L2	SRD5A2L2	6.824311	7.048895	6.682796	10.90284	10.99295	12.37288	12.19786	12.52304	11.99827	12.62467	12.11826	11.68293
SREBF1	SREBF1	7.743056	7.535079	7.157732	7.335642	7.317493	7.254911	7.213821	7.353311	7.460058	7.257305	7.202847	7.388168
SREBF2	SREBF2	7.305385	7.461295	7.149257	7.187961	7.26371	7.393017	7.371976	7.132234	7.272288	7.195393	7.052808	7.302437
SRF	SRF	11.21412	11.34502	10.73918	11.4762	11.47057	12.59103	11.98261	12.01904	11.77327	12.07745	11.37977	11.41555
SRFBP1	SRFBP1	9.371108	9.531529	9.139598	9.148406	8.722682	9.142566	8.258508	8.379105	8.551325	8.259784	7.895692	8.22235
SRGAP1	SRGAP1	7.605911	8.129681	7.128071	7.545546	7.274663	7.487418	7.26319	7.279496	7.535324	7.345139	7.218904	7.739295
SRGAP2	SRGAP2	7.481599	7.670873	7.488937	7.937972	7.586297	7.767002	7.520399	7.484013	7.5113	7.564413	7.270825	7.395545
SRGAP3	SRGAP3	7.315263	7.332266	7.13589	7.504229	7.726016	7.720017	7.421885	7.438114	8.262709	7.388365	7.080953	7.34073
SRGN	SRGN	6.974838	7.278327	6.937431	7.140734	7.132959	7.169525	6.983465	7.02286	7.019047	6.98563	7.988589	7.316167
SRI	SRI	8.69306	8.896585	8.143321	9.066603	9.160026	9.872856	9.319374	9.284008	9.11129	9.201264	9.124615	8.700945
SRL	SRL	6.894599	7.03973	6.792171	7.659945	8.919352	10.4531	10.97024	10.88595	10.64836	11.11389	9.927317	10.64654
SRM	SRM	9.732441	10.07012	8.894756	9.31964	8.946686	9.147578	8.770499	9.100859	9.02098	9.172373	9.838185	9.260855
SRMS	SRMS	6.936143	7.003736	6.883878	7.015329	7.018175	7.052347	6.921892	6.898464	6.905608	6.974418	6.861811	6.886956
SRP14	SRP14	13.54996	14.18186	13.77458	13.88954	13.99118	14.77991	14.49519	14.56656	14.43587	14.53539	14.39985	13.73477
SRP14P1	SRP14P1	11.85564	12.8043	12.23468	12.42324	12.49781	13.40733	13.31593	13.02474	13.26222	13.21527	12.76383	12.54119
SRP19	SRP19	10.3637	10.82602	10.18215	10.164	10.10833	11.1407	10.38287	10.43372	10.47086	10.41865	10.65694	9.739229
SRP46	SRP46	9.139705	9.567466	8.910036	9.74388	9.864284	10.73401	9.909905	10.08161	9.840699	9.709399	9.804281	9.808115
SRP54	SRP54	10.65182	10.95304	10.54653	10.88444	10.78265	11.54865	10.89931	11.12705	10.93471	10.97382	11.07032	10.82174
SRP68	SRP68	10.09741	10.44226	9.950857	10.24239	10.11916	10.60124	10.03507	10.3956	10.065	10.32086	10.44178	10.3451
SRP72	SRP72	10.16615	10.48908	10.12126	10.28438	9.852856	9.916659	9.234289	8.857993	9.347572	9.029246	8.811646	8.965398
SRP9	SRP9	12.79574	13.06427	12.45035	12.49733	12.37472	12.48931	12.09956	12.22614	12.19988	12.08787	12.07408	11.67999
SRPK1	SRPK1	11.71835	12.06304	11.14429	11.29109	10.89476	10.7366	10.04997	9.808841	10.13585	9.603259	9.369497	9.531185
SRPK2	SRPK2	7.515531	7.586386	7.454394	7.666	7.60362	7.626978	7.556141	7.419441	7.687462	7.575098	7.33022	7.478233
SRPR	SRPR	8.60785	8.740718	8.306307	8.803776	8.78285	9.383517	8.897049	9.313399	9.153086	9.394384	9.805054	9.55262
SRPRB	SRPRB	10.82883	11.52216	10.72354	11.10834	11.03395	11.19761	10.85573	10.97194	11.01663	10.78706	11.01345	10.97827

SRPX	SRPX	8.649205	8.627846	7.68688	8.91137	9.881041	10.80205	10.68197	11.2742	11.21022	11.27608	11.70425	11.55529
SRPX2	SRPX2	7.168873	7.184627	6.892182	7.855766	7.654806	7.917636	8.033034	7.987986	8.205159	8.273539	8.997821	8.82655
SRR	SRR	7.196587	7.429233	7.506605	8.001662	8.27625	8.717235	8.531851	8.644959	8.563912	8.622943	8.264791	8.22241
SRRM1	SRRM1	12.333	12.36177	11.80927	12.02728	11.63891	11.80733	11.27645	11.33001	11.14192	11.11397	10.60733	10.67211
SRRM1L	SRRM1L	9.162411	9.369002	8.961209	8.953611	8.667542	9.053487	8.357719	8.531862	8.461604	8.469653	8.421318	8.444848
SRRM2	SRRM2	12.02773	12.04579	11.55499	11.92533	11.88692	12.14521	11.52638	11.49075	11.10902	11.05141	10.97973	10.54681
SRRP35	SRRP35	7.988442	8.556808	8.278912	8.516264	8.298605	8.615669	8.088104	8.010623	8.179197	7.80274	7.983506	7.838086
SRXN1	SRXN1	9.181003	9.287398	8.535192	8.733334	8.61739	8.924047	8.675022	8.97529	8.878136	8.978182	9.703586	9.543342
SRY	SRY	6.875751	7.1974	6.851102	7.091504	7.060533	7.144635	7.000656	7.038487	6.888745	7.036207	6.848481	6.854926
SS18	SS18	9.429934	9.804546	9.340468	9.622348	9.623062	9.784036	9.49103	9.207542	9.289307	9.276805	9.10192	9.101735
SS18L1	SS18L1	7.8712	8.159761	7.643687	8.207064	8.034454	8.231782	7.883609	7.884934	7.906394	7.854015	7.64051	7.6446
SS18L2	SS18L2	13.32077	13.4085	12.45436	12.07955	11.79838	11.52502	11.16333	11.12952	11.33408	10.97702	10.93425	10.49893
SSB	SSB	11.34562	11.62479	10.90501	10.79737	10.65074	11.01204	10.43343	10.52017	10.54552	10.46206	10.23555	10.08035
SSBP1	SSBP1	12.4065	13.05369	12.20874	11.93002	11.83905	12.69385	12.15582	12.08971	12.28945	12.23516	12.07006	11.38674
SSBP2	SSBP2	9.430761	10.40009	9.401645	10.50859	10.7568	11.55409	11.09755	11.19699	11.22905	11.07052	10.59928	10.5683
SSBP3	SSBP3	7.854888	8.074703	7.981436	8.061302	7.899584	7.887199	7.502932	7.560566	7.372118	7.42434	7.426174	7.321159
SSBP4	SSBP4	7.982697	8.375239	8.041863	8.10132	8.236247	8.402346	8.473724	8.637392	8.437514	8.642255	8.397706	7.97061
SSFA2	SSFA2	6.898755	7.1642	7.140564	7.778739	7.625091	8.458857	7.882502	8.076683	8.179835	8.158147	8.411309	8.815232
SSH1	SSH1	7.279592	7.4135	7.437429	8.246851	7.821225	8.072529	7.978574	7.766664	7.836744	7.961695	7.882084	8.727692
SSH2	SSH2	7.926234	8.38372	7.924256	8.622692	8.883899	10.11289	9.788716	10.05643	9.664727	9.819024	9.33256	9.103373
SSH3	SSH3	7.752248	7.720608	7.525407	7.779189	7.937368	7.539473	7.620847	7.716007	7.691034	7.547222	7.546094	7.38582
SSNA1	SSNA1	9.208941	9.465383	8.882632	8.891787	9.04645	9.440038	9.279916	9.29563	9.271873	9.469626	9.445086	8.943014
SSPN	SSPN	7.197038	7.157895	7.006999	7.243782	7.69773	9.243427	9.694536	9.965884	10.35599	10.49249	9.924185	10.05126
SSR1	SSR1	10.54911	10.69511	11.02009	11.06694	11.0998	11.02893	10.47545	10.67632	10.50434	10.2817	10.91971	10.38084
SSR2	SSR2	9.23593	9.501663	9.108174	9.506993	9.501314	9.511177	9.183773	9.248801	9.225892	9.159591	9.373726	8.634704
SSR3	SSR3	7.601697	7.819605	7.311824	7.800253	7.601937	8.029768	7.774894	7.772292	7.814728	7.817801	7.767866	7.745933
SSR4	SSR4	11.56891	12.14842	11.9461	12.34479	12.26738	12.37824	12.20194	12.0481	12.24481	12.17949	12.23473	11.74488
SSRP1	SSRP1	8.542999	8.961897	8.434673	8.672015	8.263709	8.064595	8.018677	7.788701	7.728014	7.818063	7.711502	7.818154
SSSCA1	SSSCA1	8.015335	8.237555	7.535868	7.595582	7.490513	7.677291	7.551492	7.767482	7.630306	7.898877	7.97449	7.721838
SST	SST	6.744696	6.908109	6.727216	8.206444	10.75942	7.583451	7.125143	6.961557	8.473465	6.950709	6.675192	6.743747
SSTR1	SSTR1	6.894725	7.092719	6.7488	7.054152	6.885369	6.958763	6.877766	6.993329	6.927163	6.972404	6.783982	6.884903
SSTR2	SSTR2	8.112688	8.620374	8.549016	8.696964	8.849864	8.684594	8.839984	8.440197	8.681667	8.489629	8.260066	8.273276
SSTR3	SSTR3	6.874875	7.175683	6.819664	7.015599	6.974609	7.110449	6.837936	6.945909	6.870728	6.932558	6.777866	6.787532
SSTR4	SSTR4	6.903856	7.120441	6.822289	7.044491	6.969634	7.027388	6.9009	6.855579	6.913163	7.001761	6.770942	6.878726
SSTR5	SSTR5	6.830921	6.883884	6.809432	6.90452	6.838871	6.805753	6.898669	6.861993	6.935874	6.791558	6.69497	6.781148
SSU72	SSU72	12.89783	13.07658	12.21912	12.49499	12.36664	12.78876	12.42402	12.45362	12.4343	12.50122	12.40636	12.27924

SSX1	SSX1	6.861863	7.046501	6.781572	7.001679	6.980675	7.018861	6.915555	6.952511	6.974909	6.848007	6.726541	6.941115
SSX2	SSX2	6.878384	7.093232	6.844421	7.025107	6.9966	7.030612	6.934494	7.009406	6.933871	6.982657	6.824206	6.872363
SSX2IP	SSX2IP	8.049343	7.999437	7.734102	8.4847	8.402604	8.670833	8.102513	8.239579	8.127381	8.027036	7.446601	7.61585
SSX3	SSX3	6.881309	7.076205	6.768293	7.069904	6.950145	7.003422	6.928299	6.916058	6.903816	7.002399	6.859034	6.818945
SSX4	SSX4	6.869613	7.061835	6.830793	7.026441	6.927376	6.973568	6.886994	6.968054	6.9066	6.952739	6.762274	6.814534
SSX4B	SSX4B	6.932912	7.191889	6.889728	7.121314	6.953595	7.100505	6.985007	7.042052	7.019473	6.994989	6.881174	6.885672
SSX5	SSX5	6.805067	6.990479	6.790496	7.087885	6.981856	7.169729	7.036168	6.993275	6.934473	7.055193	6.827029	7.044576
SSX6	SSX6	6.906053	7.066527	6.856768	7.012902	6.981414	6.958491	6.824172	6.98605	6.900129	7.005818	6.820861	6.741275
SSX7	SSX7	6.914776	7.009435	6.669444	7.048182	6.874851	6.949905	6.758351	6.896389	6.848539	6.860864	6.799137	6.722403
SSX8	SSX8	6.888897	6.925268	6.859871	6.971152	6.806493	6.960427	6.87048	6.957923	6.757787	6.877339	6.787591	6.842453
SSX9	SSX9	7.024439	7.130814	6.832945	7.112614	7.015652	7.168395	7.042937	7.020646	7.054422	7.088757	6.834547	6.956313
ST13	ST13	11.13675	11.36681	11.10148	11.55736	11.42243	11.38238	10.80057	10.6238	10.9541	10.71536	10.30623	10.70282
ST14	ST14	7.948829	8.162249	7.278807	7.676676	7.30695	7.14546	6.852095	6.870349	7.123896	6.951805	6.74909	6.761547
ST18	ST18	6.724411	6.934896	6.765639	6.945519	6.73579	6.802393	6.696487	6.793402	6.847777	6.881873	6.636808	6.7511
ST3GAL1	ST3GAL1	7.057602	7.144613	7.568092	8.614314	9.076393	10.12969	9.692418	10.17047	9.959976	10.19222	10.14282	10.05615
ST3GAL2	ST3GAL2	8.365617	8.608235	8.108984	8.351753	8.193807	8.276225	7.924271	7.804371	7.800595	7.69749	7.2512	7.494156
ST3GAL3	ST3GAL3	7.297947	7.466245	7.336355	7.870939	8.186241	8.399676	8.236786	8.183742	8.202089	8.295451	7.81344	8.023973
ST3GAL4	ST3GAL4	7.397874	7.494465	7.208169	7.364514	7.367054	7.613347	7.824229	7.975875	8.386544	8.571389	8.541673	8.935265
ST3GAL5	ST3GAL5	7.370785	7.324234	7.374821	9.123952	8.670041	8.397344	8.124954	8.657531	8.568356	8.673268	8.913324	8.206804
ST3GAL6	ST3GAL6	7.919984	8.687009	8.750099	10.10843	9.196908	10.6373	10.36297	10.60427	10.28006	10.71433	9.978299	10.36923
ST5	ST5	7.674742	7.729342	7.342434	7.72867	7.509497	7.605217	7.473122	7.568645	7.531361	7.545961	7.472185	7.505373
ST6GAL1	ST6GAL1	9.235306	10.02252	8.791503	8.535882	8.556267	9.531875	9.419569	9.606548	9.206988	9.358479	9.283256	9.196704
ST6GAL2	ST6GAL2	7.029115	7.204415	6.7974	6.990817	6.927977	7.040876	6.948073	6.956177	6.862653	6.910089	6.81921	6.867945
ST6GALN/	ST6GALN/	6.702741	6.920239	6.749697	6.969171	6.895093	6.904434	6.75729	6.803265	6.89964	6.885929	6.677662	6.718007
ST6GALN/	ST6GALN/	6.967486	7.130133	6.751534	7.143796	7.091296	7.130553	6.963261	7.057081	7.007411	6.910317	6.793456	6.943388
ST6GALN/	ST6GALN/	8.138568	8.102407	8.321227	9.767394	9.752404	9.061604	8.608748	8.561794	8.69529	8.463844	8.330845	8.03073
ST6GALN/	ST6GALN/	7.500782	7.426938	7.051452	7.357935	7.713717	8.517175	8.247518	8.270825	8.026111	8.378682	8.32573	7.896235
ST6GALN/	ST6GALN/	7.214702	7.468789	7.367003	7.369303	7.186765	7.301014	7.440665	7.453421	7.627177	7.441443	7.273241	7.115396
ST6GALN/	ST6GALN/	8.660965	8.256049	8.029533	8.439471	8.572565	8.866425	8.929465	9.138341	9.199423	9.352486	9.477466	9.205884
ST7	ST7	8.75813	8.678474	8.066922	9.875403	9.505606	10.14372	9.295829	9.269187	9.112089	9.17691	8.806451	9.11644
ST7L	ST7L	7.145958	7.352898	7.002668	7.309621	7.237206	7.479406	7.240632	7.281345	7.267874	7.315863	7.191954	7.317837
ST7OT1	ST7OT1	7.048537	7.356273	7.305393	7.673919	7.787642	8.201636	7.377977	7.526641	7.347812	7.4489	7.028224	7.08175
ST7OT2	ST7OT2	6.936052	7.150584	6.82252	7.141449	7.071568	7.066073	6.911098	6.947907	6.961564	7.021192	6.848277	6.902087
ST7OT4	ST7OT4	6.920307	7.009099	6.78855	7.042389	6.9446	7.052034	6.874141	7.038997	6.984793	7.021061	6.784507	6.831714
ST8SIA1	ST8SIA1	7.222766	7.171235	7.02867	7.658716	7.31295	7.188001	6.935939	7.001209	6.981392	6.923702	6.81418	6.795415
ST8SIA2	ST8SIA2	7.160899	7.289228	7.324184	7.911081	7.804676	7.938408	7.63503	7.859314	8.10444	7.957667	7.694907	7.104304

ST8SIA3	ST8SIA3	7.037097	7.728813	7.244981	7.169151	7.060229	6.999289	6.904202	7.062493	6.971087	6.971497	6.888301	7.012437
ST8SIA4	ST8SIA4	6.883983	7.062125	6.989727	7.109471	7.00168	7.040365	6.939506	7.054136	7.165332	6.934737	6.860657	6.89643
ST8SIA5	ST8SIA5	8.145769	7.675244	7.031615	7.134373	7.047517	7.661057	7.47326	7.740242	7.461577	7.692617	7.109717	7.185407
ST8SIA6	ST8SIA6	6.923451	7.344145	7.110379	7.076931	6.996271	6.913202	6.984078	7.07388	6.860821	7.03143	6.763344	6.889896
STAB1	STAB1	6.795333	6.981871	6.709247	6.962771	6.818378	6.827962	6.802043	6.86648	6.811529	6.803384	6.759929	6.786182
STAB2	STAB2	6.8149	6.916038	6.761	7.060968	6.83123	6.887935	6.820933	6.895735	6.984095	6.882545	6.821862	6.732045
STAC	STAC	7.323557	7.611768	6.919213	7.649311	7.118301	7.016952	6.95069	6.921912	7.0339	6.899982	6.91602	7.042882
STAC2	STAC2	7.362348	7.269293	6.953235	7.169132	7.006062	7.21631	7.036956	7.167017	7.136768	6.974592	6.97033	7.035817
STAC3	STAC3	6.786708	7.041851	6.783916	7.116186	6.793027	7.095745	6.914042	6.925525	7.038529	7.00603	6.810994	6.868729
STAG1	STAG1	8.734852	9.456742	9.118672	9.402739	9.105669	9.536099	8.81987	8.730962	8.955385	8.730202	8.717224	8.946741
STAG2	STAG2	8.835471	9.465055	9.189186	9.239351	8.948187	9.077197	8.468474	8.513239	8.640194	8.468303	8.108887	8.363065
STAG3	STAG3	7.191511	7.483659	7.122788	7.270442	7.120014	7.330071	7.361136	7.082037	7.173828	7.316836	7.079439	7.155311
STAM	STAM	9.27895	9.466029	9.414031	9.869949	9.637526	10.1956	9.259769	9.66373	9.218227	9.553785	9.751187	9.349275
STAM2	STAM2	7.311952	7.615593	7.39348	7.596275	7.456428	7.972034	7.696396	7.950647	7.766993	7.781473	7.84202	7.753694
STAMBP	STAMBP	9.745183	10.39878	9.690983	9.727675	9.498469	10.21819	9.726232	9.680457	9.853962	9.891255	9.575423	9.851388
STAMBPL:	STAMBPL:	8.312273	8.494847	7.659934	8.400622	8.351433	9.378208	8.934863	9.146416	8.993056	8.763726	8.847624	8.638853
STAP2	STAP2	7.310573	7.564099	7.143104	7.284147	7.224279	7.282941	7.198248	7.223264	7.203809	7.269575	7.037906	7.176006
STAR	STAR	6.932974	7.156339	6.95522	7.105325	7.067305	7.0846	6.955294	6.973011	6.94366	7.041056	6.83734	6.943884
STARD10	STARD10	8.192134	8.332427	8.113126	8.696907	8.591057	9.042202	8.850762	9.457446	9.045691	9.46284	9.704412	9.482369
STARD13	STARD13	6.961157	7.258495	6.950711	7.230257	7.212008	7.399463	7.306239	7.314466	7.249849	7.322068	7.219821	7.189389
STARD3	STARD3	7.303295	7.477072	7.094641	7.253838	7.2516	7.273484	7.261199	7.314118	7.149403	7.210827	7.121689	7.127484
STARD3NI	STARD3NI	8.87043	9.373275	9.181187	9.609942	9.673842	10.42103	9.772944	9.821526	9.744152	9.67169	9.696806	8.934567
STARD4	STARD4	7.129231	7.114218	6.846919	7.168842	7.072976	7.265129	7.364673	7.161287	7.33083	7.452217	7.107802	7.429393
STARD5	STARD5	7.065664	7.238479	6.913873	7.131649	7.24963	6.994704	6.922782	6.958202	7.022222	7.05874	7.017968	6.942334
STARD6	STARD6	6.828473	6.930023	6.674936	7.006329	6.834124	6.917988	6.745897	6.906885	6.771602	6.851858	6.732383	6.757305
STARD7	STARD7	11.14286	11.34543	11.03327	11.27293	10.88533	11.60027	11.07122	11.25625	10.87474	11.06795	10.93803	10.88349
STARD8	STARD8	7.132689	7.256006	7.078584	7.466351	7.199082	7.260408	7.137214	7.162293	7.240087	7.041672	6.889782	7.056674
STAT1	STAT1	9.902472	10.10832	9.43033	9.761036	9.601748	10.26098	9.770872	9.796644	9.827623	9.905321	9.758624	9.741114
STAT2	STAT2	10.45052	10.97676	10.54383	11.15393	11.11089	10.90011	10.75431	10.81124	10.9911	10.5625	10.21619	10.48207
STAT3	STAT3	9.262569	9.031976	8.173089	8.400969	8.782216	10.01039	10.02347	10.38613	10.23749	10.54779	10.50413	10.57556
STAT4	STAT4	6.978876	7.159714	6.935263	7.211246	7.495628	9.307385	9.409509	9.720381	8.87223	9.540348	8.463496	7.685651
STAT5A	STAT5A	7.436162	7.508716	7.061411	7.283888	7.452409	7.378815	7.14034	7.239914	7.219972	7.288205	7.180943	7.336554
STAT5B	STAT5B	8.321383	8.385913	7.920794	8.350548	8.324896	8.874631	8.527506	8.696326	8.538752	8.629059	8.319461	8.297492
STAT6	STAT6	7.67342	8.040978	7.783858	7.957741	7.810337	7.979176	7.80175	7.769694	7.776991	7.715505	7.783599	7.326951
STATH	STATH	6.872751	7.059011	6.84198	7.018025	6.974673	6.940232	6.903953	7.027889	6.937898	6.989955	7.132907	6.928261
STATIP1	STATIP1	10.39669	10.5083	9.750924	9.905811	9.562281	9.522012	8.944116	9.159179	9.129971	8.9899	9.251594	9.317567

STAU	STAU	9.439075	9.637561	8.988009	9.271176	9.220895	9.690232	9.206569	9.383664	9.177048	9.231579	9.435074	9.208224
STAU1	STAU1	12.46192	12.73461	12.1049	12.27921	12.26713	12.62335	12.13689	12.37643	12.10088	12.11298	12.00745	11.96901
STAU2	STAU2	8.973941	9.524567	8.993681	9.350291	8.89021	9.332884	8.676018	8.877702	8.688567	8.482982	8.419029	8.419664
STC1	STC1	9.947143	8.829402	8.371756	8.856515	8.75933	7.527999	7.458788	7.557334	7.702499	7.739948	9.068794	9.223142
STC2	STC2	10.45811	10.14287	7.919544	9.158277	9.551452	9.879776	9.504234	10.02495	10.45097	9.822351	11.3241	10.32091
STCH	STCH	7.446121	7.841344	7.787177	8.110963	7.921824	7.793734	7.735228	7.558253	7.968637	7.679964	7.595543	7.748328
STEAP1	STEAP1	8.135454	8.666866	7.723872	7.340789	7.094783	7.025935	6.897332	6.911418	6.996555	7.048112	7.128504	7.300824
STEAP2	STEAP2	8.199463	8.381925	7.376239	7.167086	7.141868	7.428506	7.113404	7.185183	7.198316	7.229	7.027264	7.458092
STEAP3	STEAP3	7.827216	7.965233	7.367093	7.148316	7.039983	7.385094	7.13996	7.131913	7.076274	7.117074	7.086597	7.289585
STEAP4	STEAP4	6.796049	7.021295	6.674817	6.934115	6.844745	6.871665	6.782388	6.828626	6.803755	6.89092	6.648753	6.838322
STELLAR	STELLAR	6.858113	7.114978	6.774343	7.023678	6.910563	6.920322	6.980488	6.921853	6.895298	6.828073	6.794538	6.906956
STGC3	STGC3	6.923947	6.987201	6.769024	6.952708	6.801472	6.924805	6.880915	6.990043	6.874211	6.852814	6.647096	6.839603
STH	STH	7.159388	7.321442	7.052952	7.306482	7.070199	7.269278	7.050325	7.22109	7.152456	7.150948	7.063746	7.150354
STIL	STIL	10.65217	11.17437	11.36413	10.87113	9.965203	9.341073	8.825651	8.55534	8.488364	8.344815	7.854959	7.819111
STIM1	STIM1	7.597088	7.746868	7.521121	7.857349	7.681896	7.797068	7.624725	7.892837	7.824976	8.077209	8.016572	7.890824
STIM2	STIM2	7.449575	7.880088	8.023004	8.685682	7.88166	7.951313	7.62638	7.50133	7.720493	7.588084	7.406894	7.429423
STIP1	STIP1	10.94776	11.11492	10.74432	10.95111	10.15883	10.95648	10.21072	10.30409	10.10363	10.4056	10.42844	10.10298
STK10	STK10	7.532597	7.525265	7.139386	7.528889	7.245001	7.330144	7.106536	7.101575	7.164413	7.140283	7.077598	7.006463
STK11	STK11	7.257512	7.37027	7.236995	7.41949	7.385529	7.925763	7.515972	7.464682	7.379171	7.502879	7.266459	7.344358
STK11IP	STK11IP	7.968697	8.020424	7.715303	7.697117	7.741602	7.916984	7.649381	7.668645	7.716981	7.715758	7.632517	7.555061
STK16	STK16	6.979076	7.330876	6.914908	7.145039	7.190147	7.207497	7.154952	7.108378	7.089591	7.183734	7.058524	7.120715
STK17A	STK17A	7.46398	7.581607	7.076134	7.34758	7.098279	7.198629	7.007826	7.110079	7.040282	7.031722	6.970568	7.029252
STK17B	STK17B	7.034231	7.251026	6.988064	7.401582	7.070844	7.342355	7.169151	7.155529	7.106945	7.208145	7.424466	7.162712
STK19	STK19	8.48877	8.717225	8.680063	8.842164	9.087906	9.613463	9.191554	9.348387	9.510495	9.629215	10.10149	10.21758
STK23	STK23	7.124919	7.243959	6.903258	7.054155	6.986312	7.413154	7.111051	7.30377	7.439941	7.53976	7.235256	7.205267
STK24	STK24	11.59431	11.51188	10.90788	10.97091	10.89025	11.0728	10.64965	10.66557	10.6262	10.57277	10.40767	10.46713
STK25	STK25	9.86439	10.18483	9.638829	10.00541	9.820807	9.899794	9.762143	9.703249	9.555442	9.513825	9.430516	9.395465
STK3	STK3	9.270127	9.467809	9.400817	9.954428	9.95657	10.62678	10.39507	10.37169	10.4315	10.29502	9.952889	10.03616
STK31	STK31	6.851547	7.086988	6.946494	7.089347	6.93653	6.998197	6.872513	6.947191	6.936211	6.922917	6.816566	6.807426
STK32A	STK32A	6.993238	7.241739	6.961789	6.854498	7.036448	7.038849	7.015651	6.999521	6.996812	6.857467	6.776312	6.900994
STK32B	STK32B	7.719845	8.097279	7.239204	7.398329	7.254067	7.08083	6.913227	7.168009	7.662509	7.092334	7.11524	6.98148
STK32C	STK32C	7.139748	7.255061	6.920226	7.101973	6.991728	7.117352	7.017342	7.040462	7.012054	7.264529	6.748286	6.867544
STK33	STK33	7.50095	7.93326	7.423863	7.58087	7.773759	8.353915	8.07608	8.020009	7.907901	8.137961	7.765682	8.008057
STK35	STK35	8.495487	8.706866	8.091288	8.186021	8.018559	8.094068	7.457096	7.697361	7.65889	7.682716	7.771643	7.599363
STK36	STK36	10.54669	11.02245	10.47529	11.09017	10.75704	10.40121	10.20616	9.891753	10.11158	9.582952	9.074581	9.191523
STK38	STK38	8.423631	8.842556	8.560407	9.555149	9.358136	10.02839	9.540345	9.899536	9.262312	9.765765	9.90336	9.635263

STK38L	STK38L	7.698522	7.800637	7.124671	7.523796	7.485744	8.170061	8.143321	8.304584	8.190336	8.446075	8.333374	8.123014
STK39	STK39	9.952356	9.790796	9.36125	9.536055	10.12283	11.95551	11.9302	12.21929	11.50003	11.94086	11.61049	11.02475
STK4	STK4	10.56671	10.77826	9.970605	10.68173	10.09613	9.869125	9.452055	9.47789	9.37579	9.168992	9.296024	8.861332
STK40	STK40	8.201372	8.829598	8.209628	8.815139	9.043739	9.365666	9.080218	9.381937	9.012354	9.286023	9.469169	8.613729
STK6P	STK6P	7.050382	7.458509	6.982696	7.228784	7.036016	7.221342	7.062142	6.988939	6.957019	7.001402	6.943737	6.901138
STMN1	STMN1	9.63766	9.715627	9.890499	9.880027	9.196835	9.275648	8.876955	8.863278	8.960704	8.66035	8.173373	7.591387
STMN2	STMN2	7.799163	7.467098	9.677724	7.535473	10.79222	9.622071	9.970254	9.744305	10.95061	8.360079	7.69409	7.151611
STMN4	STMN4	6.918383	7.675849	6.839911	6.966032	6.913215	6.887774	6.944315	7.005436	8.837502	7.075142	6.812356	6.881574
STOM	STOM	8.595624	8.547532	8.06782	9.021545	8.310893	8.400825	8.764659	9.2547	9.233688	9.734337	9.523853	9.358574
STOML1	STOML1	7.065419	7.268047	7.064685	7.273659	7.43773	7.588487	7.558918	7.713128	7.828397	7.877887	8.133664	7.948461
STOML2	STOML2	11.94417	12.16731	11.73012	11.72083	11.38064	11.70609	11.12628	11.05799	11.00564	11.00038	11.07737	10.85418
STOML3	STOML3	6.960439	7.130984	6.844865	7.073747	6.926465	6.911584	6.820441	6.948555	6.988992	6.91255	6.741307	6.758686
STON1	STON1	7.141686	7.193427	7.022216	7.938981	8.636897	7.959801	7.647883	7.797012	7.842829	7.821228	7.415335	7.44044
STON2	STON2	6.916386	6.981657	6.787157	6.929282	6.886155	6.941263	6.738271	6.824283	6.814703	6.930569	6.761655	6.767779
STOX1	STOX1	7.192694	7.858584	7.459851	7.866832	7.630375	7.31238	7.191567	7.212027	7.155598	7.121806	6.888744	6.875259
STOX2	STOX2	9.712591	9.360619	8.918921	8.873258	8.898134	9.451116	9.155144	9.074018	9.392662	9.066385	8.31828	8.419975
STRA13	STRA13	11.5145	11.68051	11.13535	10.98237	10.8565	10.96724	11.0685	10.60516	10.77125	10.95177	10.53427	10.7595
STRA6	STRA6	7.030963	7.280328	7.926214	8.256552	8.257555	7.635897	8.017753	8.167329	8.048564	8.100605	7.982036	7.209363
STRAP	STRAP	11.4302	11.87932	11.05293	11.25668	11.0912	11.31105	10.94937	10.74595	10.95592	11.12797	10.94295	11.09843
STRBP	STRBP	9.711845	9.914828	9.112337	8.750544	8.634138	8.979478	8.401223	8.576544	8.537799	8.420448	8.05393	7.969422
STRC	STRC	7.165779	7.245305	7.026771	7.34401	7.542961	7.248537	7.129642	7.143393	7.070994	7.190328	6.925995	7.059674
STRN	STRN	7.637935	8.109588	7.544949	7.671177	7.607925	8.135777	7.803207	7.836295	7.815216	7.972912	7.868446	7.871777
STRN3	STRN3	10.04415	10.619	10.23226	10.42957	10.32407	10.69035	10.43448	10.39695	10.47776	10.1019	9.886751	10.01094
STRN4	STRN4	7.798066	7.929237	7.559411	7.824096	7.613601	7.795281	7.40915	7.636303	7.537148	7.676321	7.762796	7.489471
STS	STS	6.900821	7.025775	6.828686	7.002623	6.99613	6.915917	6.945042	6.877216	6.948646	7.05817	6.875284	6.915202
STS-1	STS-1	7.816133	7.78138	8.28955	9.510392	8.245269	8.241446	7.74942	7.798617	8.12354	7.988945	9.247093	8.29032
STT3A	STT3A	10.67457	11.47696	11.13328	11.21045	10.86903	10.86864	10.13855	10.48	10.45349	10.17543	10.84105	10.51793
STT3B	STT3B	8.973322	9.233263	9.088478	9.535617	9.127986	9.529073	8.505649	8.935113	8.584908	8.779207	8.953905	8.893858
STUB1	STUB1	9.190497	9.456077	8.77521	9.413246	9.356551	9.735198	9.526212	9.922083	9.607229	9.906488	10.05144	10.08478
STX10	STX10	9.354269	8.980586	8.357619	9.074406	9.203365	9.490933	9.244175	9.655712	9.49885	9.657046	9.776606	9.321195
STX11	STX11	6.897132	7.002943	6.96794	7.196496	7.650851	8.441828	7.713982	8.128007	7.901	8.261246	8.074992	8.346331
STX12	STX12	7.957938	8.202304	7.920851	8.815583	9.089804	9.841172	9.429448	9.265201	9.37876	9.284344	9.109626	9.111933
STX16	STX16	10.54445	10.32389	9.505319	10.01874	10.02078	10.59321	10.3766	10.4	10.13644	10.02787	9.690738	9.704584
STX17	STX17	7.123047	7.448919	7.124559	7.286087	7.228652	7.260476	7.056149	7.160614	6.962017	7.19573	7.017902	6.858382
STX18	STX18	7.098847	7.090188	7.019029	7.614196	7.30824	7.439352	6.999902	7.179025	7.037598	7.141526	6.885282	6.922407
STX19	STX19	7.036417	7.212676	6.86433	7.047518	6.96258	7.355453	6.969109	7.21329	7.032726	7.169198	7.007279	6.984553

STX1A	STX1A	7.672531	7.583051	7.395116	7.69415	7.728802	7.719734	7.372119	7.800268	7.778519	7.828579	8.622361	7.866859
STX1B2	STX1B2	6.759828	7.070469	6.785445	7.045629	6.860422	6.942949	6.838164	6.926364	6.8848	6.866064	6.711333	6.779871
STX2	STX2	9.69974	9.211857	9.402226	9.81599	10.01164	9.771073	9.670825	9.765388	9.724155	9.508705	9.713628	9.327209
STX3A	STX3A	10.11195	10.8333	10.39165	10.61103	9.619618	10.36057	9.235295	9.212418	8.92487	9.025344	8.674205	8.753249
STX4A	STX4A	9.211907	9.443905	8.709565	9.116359	9.099348	9.289499	9.250528	9.266538	9.221218	9.266529	9.394348	9.339757
STX5A	STX5A	8.974817	9.355101	9.246987	9.764123	9.769744	10.15927	9.515377	9.71386	9.499338	9.447377	9.593882	9.212576
STX6	STX6	9.808219	9.950494	9.200768	9.331859	8.89278	9.077602	8.504845	8.519051	8.631413	8.359224	8.356014	8.212912
STX7	STX7	7.704937	7.989581	7.609116	7.819968	7.85238	8.39431	8.06111	8.057732	8.245568	8.187431	8.23454	8.078318
STX8	STX8	8.814953	9.341298	9.081188	9.264199	9.260531	9.866103	9.555638	9.466107	9.940141	9.904849	9.580013	9.572865
STXBP1	STXBP1	7.327688	7.278059	6.939174	7.254128	7.179311	7.249883	7.145948	7.345969	7.381523	7.356006	7.428835	7.367509
STXBP2	STXBP2	7.929	8.045946	7.78305	7.888911	7.63367	7.821761	7.456801	7.562839	7.271648	7.180656	7.159139	6.969568
STXBP3	STXBP3	9.038546	9.453914	8.872218	8.818882	8.650701	9.874853	9.125548	9.235333	9.045139	9.056356	9.119337	8.964001
STXBP4	STXBP4	7.470002	7.808381	7.59016	8.009228	7.689578	7.807786	7.427852	7.473859	7.435519	7.315513	7.26643	7.300495
STXBP5	STXBP5	7.920291	8.101291	7.562491	7.90836	7.386339	7.671306	7.670144	7.647244	7.763335	7.490851	7.983616	7.757184
STXBP6	STXBP6	8.876518	8.562204	7.452693	8.43607	8.508731	8.62209	7.696411	7.634971	8.023891	7.688207	7.485503	7.828054
STYK1	STYK1	6.908284	7.174869	6.830511	7.051114	6.913958	6.933056	6.885915	7.018504	6.868601	6.854436	6.669098	6.802737
STYX	STYX	6.983057	7.195204	6.89242	7.067756	6.986466	7.042428	6.884484	6.97934	6.915573	6.970509	6.8902	6.955476
STYXL1	STYXL1	9.106016	10.01688	9.472024	9.529465	9.368231	10.09944	9.522652	9.728461	9.473222	9.611313	9.720128	9.69643
SUB1	SUB1	9.963731	10.66332	10.32918	10.48862	10.38323	11.26589	10.76107	10.68203	11.02042	10.5925	10.33015	10.16496
SUCLA2	SUCLA2	9.713403	10.00406	9.686391	9.924894	9.975038	11.29921	10.68231	10.91249	10.84835	10.79893	10.75432	10.45332
SUCLG1	SUCLG1	9.789322	10.24463	9.772374	10.52828	10.87951	12.20689	11.76057	11.8241	11.95585	12.10294	11.62596	11.6257
SUCLG2	SUCLG2	10.11847	10.33819	9.980367	9.814298	9.762183	10.30998	9.968153	9.65872	9.827027	9.723048	9.213415	9.479426
SUCNR1	SUCNR1	6.87303	7.174078	6.831791	8.342654	7.451223	7.264505	7.896357	8.381484	8.836708	8.367531	8.219184	9.063823
SUDS3	SUDS3	7.074548	7.351123	7.153044	7.168968	7.204896	7.259476	7.085931	7.11387	7.181384	7.241156	6.95879	7.156055
SUFU	SUFU	7.023076	7.180638	6.935455	7.157978	7.147189	7.200878	6.994722	7.075453	7.057736	7.029618	6.790968	6.9187
SUGT1	SUGT1	9.490241	10.1835	9.560473	9.719452	9.392725	10.49378	9.865171	9.917651	10.16622	9.754146	9.697153	9.874086
SUGT1P	SUGT1P	6.932928	7.115863	6.68201	7.024803	6.876069	6.872738	6.817281	6.964632	6.832261	6.940839	6.816263	6.788954
SUHW1	SUHW1	6.954076	7.295803	6.987275	7.033267	6.900138	7.042069	6.895046	7.051716	7.122667	7.074319	6.882797	6.977035
SUHW2	SUHW2	7.778554	7.777653	7.692888	7.651416	7.244879	7.234697	7.175866	7.300536	7.064255	6.982212	7.065114	6.969289
SUHW3	SUHW3	8.578697	8.888054	8.601946	8.639775	8.487768	8.275416	7.896644	7.806165	7.746357	7.550898	7.23484	7.326118
SUHW4	SUHW4	8.407227	8.713453	8.066692	7.591419	7.32881	7.436163	7.240585	7.280849	7.318413	7.281458	6.992143	6.871812
SULF1	SULF1	7.444788	7.188241	7.56848	8.514047	9.118542	8.72032	10.32814	11.1603	11.16012	10.35823	11.24201	10.47671
SULF2	SULF2	8.03988	8.67532	8.229825	9.023071	8.431827	8.402717	8.15048	8.456143	8.901502	8.720739	8.470535	7.988354
SULT1A1	SULT1A1	9.272498	10.32498	9.752722	10.2046	10.27929	9.995412	10.26071	9.757525	10.15647	9.763677	9.153713	9.698512
SULT1A2	SULT1A2	7.045963	7.337161	6.919054	7.273479	7.251275	7.218249	7.135693	7.295077	7.220324	7.361612	7.217774	7.165857
SULT1A3	SULT1A3	7.364253	7.521919	7.192073	7.452127	7.3776	7.403782	7.174838	7.26224	7.196907	7.271046	7.10905	7.103413

SULT1A4	SULT1A4	7.945926	8.200204	7.721156	8.05623	7.862682	8.007133	7.675179	7.826418	7.693965	7.800208	7.624041	7.453885
SULT1B1	SULT1B1	6.999629	7.152259	6.90048	7.09723	6.906425	7.057739	6.831518	6.937973	6.999751	7.024084	7.338279	7.057023
SULT1C1	SULT1C1	6.921553	7.167617	6.922599	7.035198	6.928497	6.92505	6.758456	6.9366	6.825138	6.891709	6.653725	6.78968
SULT1C2	SULT1C2	6.873121	7.226235	6.849329	7.262535	7.436926	7.091845	6.989711	7.00725	6.98789	7.008511	6.795124	6.974218
SULT1C3	SULT1C3	6.889952	7.024136	6.955458	7.214096	6.958611	7.180968	7.028823	7.034538	7.011467	7.053706	6.959556	7.108529
SULT1E1	SULT1E1	7.001426	7.22042	6.759887	7.038585	6.930073	6.997388	6.985695	7.073535	7.346016	7.357213	7.341358	7.267057
SULT2A1	SULT2A1	6.825129	7.007152	6.743004	6.969983	6.865901	6.937714	6.768661	6.869515	6.849505	6.854752	6.741328	6.741322
SULT2B1	SULT2B1	7.473768	7.866018	7.413477	7.50018	7.463345	7.585613	7.449326	7.388634	7.434226	7.566849	7.293151	7.494753
SULT4A1	SULT4A1	7.10207	7.292882	6.951993	7.137959	6.894756	6.939681	6.929375	7.035878	6.924152	6.851404	6.761471	6.803696
SULT6B1	SULT6B1	6.993019	7.187812	6.921986	7.212291	7.045931	7.200502	7.058855	7.0513	6.986535	7.031374	6.92978	7.012955
SUMF1	SUMF1	8.369399	8.936438	8.424468	8.802864	8.667821	8.644828	8.450612	8.612834	8.712045	8.619644	8.73427	8.939337
SUMF2	SUMF2	10.58947	11.06063	10.61654	10.90477	11.0745	10.90309	10.50728	10.22187	10.53416	10.10435	10.26063	10.44
SUMO1	SUMO1	7.392278	7.862808	7.415257	7.327645	7.369711	7.181054	7.372887	7.183497	7.365537	7.167557	7.083271	7.200987
SUMO1P1	SUMO1P1	6.895171	7.03229	6.829275	7.049983	6.890137	6.938991	6.922256	6.924873	6.918973	7.010973	6.798426	6.862147
SUMO1P3	SUMO1P3	9.919864	10.66304	9.939421	9.626013	9.535024	9.698171	9.512501	9.045131	9.562792	9.125385	9.010471	9.180186
SUMO2	SUMO2	12.09091	12.60813	12.15422	12.0016	12.02165	11.79179	11.4556	11.11582	11.53666	11.18527	10.85233	10.46965
SUMO3	SUMO3	12.52261	12.55401	12.12707	12.07191	12.2817	12.14608	11.89116	12.04542	11.81482	11.77083	11.73218	11.56752
SUMO4	SUMO4	6.971411	7.177193	6.899383	7.345277	7.170833	7.232925	7.040161	7.046572	7.114493	7.081834	6.861678	6.934873
SUNC1	SUNC1	7.249658	7.556491	7.092654	7.349596	7.168514	7.292495	6.980691	7.14591	7.145578	7.196945	6.899201	7.021075
SUOX	SUOX	9.084767	9.379159	8.615507	9.159637	9.272359	9.882036	9.609637	9.627693	9.403369	9.472395	8.957554	8.82849
SUPT16H	SUPT16H	11.93454	12.42134	11.98943	12.11662	11.33604	11.15248	10.47797	10.55893	10.29597	10.40861	10.21691	10.21875
SUPT3H	SUPT3H	8.287447	8.560224	8.204885	8.308891	8.229441	8.177848	8.006015	7.888778	7.832031	7.699378	7.586665	7.610631
SUPT4H1	SUPT4H1	9.664314	10.04904	9.941575	10.22369	10.01552	10.87861	10.2035	10.29898	10.03438	10.14103	10.03259	9.830522
SUPT5H	SUPT5H	9.828152	10.19006	9.562545	9.91675	9.745675	9.74262	9.279182	9.628009	9.460416	9.628396	9.980685	9.70881
SUPT6H	SUPT6H	7.617409	8.245954	7.642418	7.98665	7.873863	8.095599	7.663129	7.690894	7.750447	7.67752	7.828396	7.80776
SUPT7L	SUPT7L	7.104462	7.140434	6.923573	7.289162	7.196129	7.264875	7.151966	7.236838	7.165883	7.174455	7.032496	7.061862
SUPV3L1	SUPV3L1	9.161408	9.344172	9.060371	9.134371	8.711608	9.280144	8.672119	8.821149	8.672797	8.771223	8.514858	8.651122
SURB7	SURB7	7.246783	7.599183	7.186038	7.466687	7.493643	7.861381	8.113321	7.614352	8.357743	8.021359	7.599024	7.97924
SURF1	SURF1	9.312661	9.871064	9.114006	9.34294	9.197834	10.03892	9.556243	9.52912	9.626887	9.917853	9.548759	9.56317
SURF2	SURF2	7.857376	8.372337	7.515244	7.741153	7.451696	7.483816	7.397828	7.356356	7.346476	7.376364	7.422816	7.462542
SURF4	SURF4	10.36281	10.15218	9.930373	10.96413	10.68301	10.60079	10.23682	10.55231	10.35948	10.50866	11.07384	10.70714
SURF5	SURF5	10.53005	11.07394	10.04334	10.17619	10.19847	10.53771	10.17627	9.87894	9.915491	9.879679	9.374545	9.536185
SURF6	SURF6	10.29821	10.64052	9.916527	9.866467	10.17205	10.23272	9.446773	9.374253	9.341537	9.236839	9.416908	9.525964
SUSD1	SUSD1	7.706667	7.860038	7.546675	8.470248	8.408063	8.909029	8.625357	8.714017	8.439859	8.509348	8.596153	8.003456
SUSD2	SUSD2	7.515353	7.865535	8.652878	7.809499	8.132552	8.037419	8.039898	7.845455	7.727068	7.799582	7.230656	8.697708
SUSD3	SUSD3	7.742359	7.666481	7.323741	7.044986	7.022172	6.924775	6.856176	6.907414	6.928759	6.863007	6.863631	6.692409

SUSD4	SUSD4	6.892851	7.114446	6.844777	7.153359	7.005577	7.437715	7.199528	7.214144	7.160336	7.125777	6.931239	6.99207
SUV39H1	SUV39H1	10.14162	10.40814	9.428806	9.418207	9.296465	9.387071	8.989504	8.952576	8.967549	9.169742	8.363024	8.290346
SUV39H2	SUV39H2	7.151381	7.430294	7.189126	7.468938	7.237183	7.438884	7.264898	7.299816	7.151704	7.174836	6.985144	7.233241
SUV420H1	SUV420H1	8.49922	8.661014	8.526203	8.555552	8.012473	8.191592	7.63302	7.881042	7.785915	7.731729	7.60929	7.696825
SUV420H2	SUV420H2	6.94403	7.270575	6.999628	7.098479	7.071594	7.114632	7.045972	7.112307	6.939922	7.072508	6.891783	7.091706
SUZ12	SUZ12	11.35045	11.83623	11.2932	11.62297	11.4606	11.72543	11.22688	11.28824	11.08655	11.12572	10.95378	11.0373
SUZ12P	SUZ12P	7.100518	7.27911	7.021031	7.209203	7.122323	7.162112	7.021595	7.053387	7.058621	7.022927	6.882893	6.982974
SV2A	SV2A	8.570879	8.859267	8.022192	8.109633	7.767406	7.850141	7.592809	7.452828	7.650949	7.411862	7.278827	7.535208
SV2B	SV2B	7.112025	7.196112	7.009096	7.107289	6.952877	7.147637	6.967061	6.96984	6.889144	7.02015	6.878449	6.914979
SV2C	SV2C	6.796206	7.06837	6.754295	6.941623	6.878361	7.038776	6.90223	7.13023	6.914339	7.207915	6.967904	7.241764
SVEP1	SVEP1	7.026043	7.669944	8.122323	10.27324	9.878764	8.664627	7.698752	7.720265	7.794644	7.358476	7.461247	6.815006
SVH	SVH	7.678605	8.059322	7.39052	7.565966	7.429477	7.824547	7.326106	7.379612	7.553073	7.595627	7.541799	7.373234
SVIL	SVIL	8.302271	9.025828	8.819935	9.738655	10.44631	11.64731	11.25715	11.43474	11.06423	11.12009	10.68382	10.46261
SVOP	SVOP	6.809054	7.104984	6.818231	6.999677	6.913652	6.988715	6.838215	6.919626	7.005757	6.932682	6.858883	6.876592
SWAP70	SWAP70	9.620527	10.04103	9.272995	9.415706	8.654156	9.359445	8.663931	8.943845	8.642165	9.146647	9.669667	9.127009
SYAP1	SYAP1	8.394537	9.073601	8.514507	8.904559	8.535741	8.787077	8.724897	8.470759	8.562247	8.552889	8.547712	8.782071
SYBL1	SYBL1	9.654078	10.12211	10.19871	10.24554	10.18646	11.09531	10.42051	10.43237	10.47344	10.33496	10.37567	10.04391
SYCE1	SYCE1	6.884722	7.147798	6.848856	7.05917	6.996203	6.968538	6.858842	6.986351	6.95024	7.059632	6.79668	6.849907
SYCN	SYCN	6.880449	6.928722	6.759105	7.079444	6.810499	7.034996	7.014459	7.029223	6.898103	6.945156	6.782569	6.862804
SYCP1	SYCP1	6.976178	7.104	6.757807	6.980785	6.962658	6.995181	6.878084	6.925305	6.856924	6.845668	6.802945	6.773071
SYCP2	SYCP2	6.902847	7.041195	6.788162	7.1038	6.999039	7.064793	6.930457	6.985153	6.900827	6.989611	6.832359	6.896306
SYCP3	SYCP3	6.917495	7.076062	6.920614	7.018408	6.986628	6.994019	6.936216	6.98999	6.968533	7.016088	6.820997	6.868629
SYDE1	SYDE1	7.485303	7.344228	7.368253	7.856803	7.877704	8.03835	7.963775	8.294458	7.944895	8.250475	8.693211	8.250741
SYDE2	SYDE2	7.125256	7.316009	7.021374	7.417839	7.313917	7.39133	7.343376	7.406757	7.07942	7.157934	7.041467	7.088402
SYF2	SYF2	9.746497	10.26269	9.948775	9.804235	9.998124	10.65874	9.923694	10.1074	10.27577	10.01605	10.02852	10.03281
SYK	SYK	7.810006	7.789047	7.079593	7.165557	7.149235	6.984904	6.937211	6.8836	6.977529	7.015801	6.808187	6.871396
SYMPK	SYMPK	7.808119	8.323078	7.590542	7.647445	7.964945	8.618345	8.320522	7.730807	7.662421	7.920492	7.654426	7.841007
SYN1	SYN1	7.627801	7.523567	7.080142	7.128367	7.127686	7.283677	7.199549	7.406985	7.412439	7.511529	7.295264	7.483189
SYN2	SYN2	7.267786	7.708807	7.248187	7.368338	7.181786	7.272932	7.089526	7.086288	7.080468	7.08164	6.83622	6.893398
SYN3	SYN3	6.984304	7.122403	6.766145	7.029753	6.840789	6.963554	6.82458	6.930369	6.841498	6.956749	6.796552	6.827582
SYNC1	SYNC1	7.131801	7.397057	7.012511	7.332806	7.363221	7.441865	7.528947	7.745931	7.922258	8.064981	8.323578	8.322137
SYNCRIP	SYNCRIP	11.71904	12.25288	11.37193	11.37766	11.23059	11.40252	10.51035	10.5922	10.75825	10.47325	10.57715	10.35379
SYNE1	SYNE1	6.986139	7.148147	6.852555	7.151544	7.039992	7.027876	6.94417	6.946639	6.982841	7.001155	6.822221	6.855865
SYNE2	SYNE2	7.520717	7.961623	7.417699	7.804023	7.689383	8.091071	7.771764	7.636799	7.471158	7.497827	7.060004	7.144067
SYNGAP1	SYNGAP1	6.999582	7.053271	6.800477	7.070895	7.020754	7.071445	6.96507	6.982968	6.957373	7.024347	6.899846	6.85446
SYNGR1	SYNGR1	7.655933	7.722569	7.136896	7.767682	8.169954	8.436294	8.148017	8.196292	8.100512	8.202142	7.922793	7.900034

SYNGR2	SYNGR2	6.756962	6.946659	6.713723	7.05909	6.908977	7.033724	6.896944	6.928195	6.907193	6.916157	6.734252	6.932
SYNGR3	SYNGR3	7.554844	7.596273	6.883016	7.258595	7.187321	7.613942	7.455038	7.530146	7.344891	7.521333	7.542565	7.306205
SYNGR4	SYNGR4	6.964585	7.07633	6.925348	7.122977	6.898274	6.985914	7.003384	7.031981	6.975872	7.019731	6.803454	6.92369
SYNJ1	SYNJ1	7.075301	7.498478	7.695402	7.869297	7.569522	7.877936	7.764006	7.62893	7.770456	7.662526	7.463419	7.726548
SYNJ2	SYNJ2	7.579412	7.91975	7.472352	8.076916	7.658736	7.956683	7.560716	7.852803	7.960308	8.030731	8.237771	8.357517
SYNJ2BP	SYNJ2BP	10.28634	10.6662	9.696418	10.11024	10.13553	11.43299	10.69905	10.74481	10.78752	10.81519	10.44644	10.78947
SYNPO	SYNPO	7.013222	7.170459	6.972955	7.161972	6.941322	7.137182	6.996073	7.008161	7.073471	7.07478	6.984967	6.899442
SYNPO2	SYNPO2	6.926474	7.094428	6.833696	7.163882	7.323512	7.744415	7.426061	7.394254	7.26829	7.198771	6.955547	7.079181
SYNPO2L	SYNPO2L	6.996099	7.123312	7.062446	9.693788	11.6695	13.43763	13.17245	13.49008	13.35659	13.76796	13.07184	13.11888
SYNPR	SYNPR	6.909363	7.02758	6.770929	7.03157	6.846487	6.97481	6.895294	7.016539	7.119999	7.223017	6.993942	7.084623
SYP	SYP	7.096903	7.460325	6.961354	7.030018	6.802983	6.843455	6.818781	6.912483	7.231675	6.896687	6.792953	6.76952
SYPL1	SYPL1	9.755069	10.04204	10.07572	9.608088	9.682446	10.33272	9.76767	10.06965	10.04358	9.856323	10.11637	10.04442
SYPL2	SYPL2	6.916958	7.352951	6.939724	7.021684	7.298735	8.826411	8.036361	8.077138	8.05167	8.132043	7.724482	7.894274
SYT1	SYT1	8.229163	8.094001	7.52488	7.473142	7.131938	7.05568	7.037705	7.141516	7.573266	7.127198	7.104172	7.105706
SYT10	SYT10	6.783668	7.032561	6.742087	7.082209	7.038052	6.816363	6.87132	6.829864	6.790077	6.801904	6.731716	6.753512
SYT11	SYT11	9.779768	10.77949	8.646566	8.208634	8.473819	8.804653	9.229345	9.254485	9.912983	9.215451	9.627743	9.455012
SYT12	SYT12	6.970556	7.129448	6.818538	7.10569	6.980624	7.000356	6.857041	6.939198	6.961631	7.006451	6.940385	6.878923
SYT13	SYT13	8.737634	8.512688	7.440598	7.782096	7.431002	7.320517	7.084645	7.162294	8.327596	7.197236	7.154776	7.313289
SYT14	SYT14	7.195998	7.468727	7.159775	7.189629	7.031463	7.083945	7.043818	6.974559	7.008826	7.111834	6.968458	6.991444
SYT15	SYT15	7.443457	7.270455	7.175422	7.635694	7.736284	8.301453	7.953009	8.04578	8.081603	8.07747	7.845934	8.080337
SYT16	SYT16	6.888313	7.256953	6.877156	7.195704	6.749834	7.123261	6.952858	7.000624	7.072842	7.085981	7.09153	6.914837
SYT17	SYT17	7.400279	7.203525	7.072791	7.4367	7.133423	6.960752	6.904957	6.867103	7.060574	6.907041	6.844633	6.740956
SYT2	SYT2	6.860071	7.038257	6.801896	6.967995	6.804423	6.844316	6.823053	6.824615	6.96625	6.771775	6.726093	6.676383
SYT3	SYT3	7.385018	7.388572	6.959245	7.110971	7.04911	7.217126	7.067007	6.970742	7.04995	7.007173	6.917853	7.049035
SYT4	SYT4	9.206758	8.990811	9.176778	7.78473	8.141281	7.874678	8.675112	8.115741	10.89157	7.346946	7.405859	6.858419
SYT5	SYT5	6.755304	7.021767	6.861911	6.975998	6.981551	6.967601	6.934817	6.983061	7.015462	6.918934	6.917135	6.862485
SYT6	SYT6	8.392873	8.460389	7.280385	7.286904	7.059855	6.997253	6.793133	6.830614	6.863375	6.951229	6.671013	6.685421
SYT7	SYT7	7.068521	7.309846	6.984376	7.21788	7.207086	7.474404	7.319786	7.348735	7.298321	7.343165	7.173218	7.234827
SYT8	SYT8	6.846785	7.170673	6.841112	6.975609	6.86053	7.004119	6.899375	6.934678	6.938129	6.97543	6.757687	6.834558
SYT9	SYT9	7.079682	7.375596	6.907849	7.340215	7.201485	8.006365	7.915273	7.97148	7.491734	7.741294	7.381536	7.363105
SYTL1	SYTL1	7.079211	7.245907	6.926871	7.121429	7.176512	7.595378	7.345922	7.081893	7.086782	7.201381	6.764277	6.842738
SYTL2	SYTL2	7.686513	8.400647	7.120508	7.389422	7.330232	7.74485	7.263626	7.242868	7.380492	7.227225	7.174512	7.337274
SYTL3	SYTL3	7.386827	7.570262	7.310965	7.649557	7.52715	7.924116	7.996563	8.101432	7.900622	8.201948	7.70225	7.865703
SYTL4	SYTL4	6.925881	7.046104	6.929635	7.397572	7.541044	8.06516	7.7894	7.63415	7.522378	7.453921	7.362529	7.180582
SYTL5	SYTL5	6.900453	7.101715	6.897329	7.714205	7.250051	7.468336	7.282776	7.552625	7.396014	7.520224	7.465183	7.20345
SYVN1	SYVN1	8.341055	8.36276	7.902343	8.334893	8.34813	8.046205	8.062308	8.060945	8.226517	8.17836	8.200295	8.011711

T	T	6.932893	6.994205	9.816583	7.739147	6.951107	7.034454	6.827077	6.928595	6.855437	6.947124	6.778529	6.838755
T1560	T1560	6.804161	7.058061	6.71738	6.984681	6.865099	6.820493	6.960239	6.856072	6.930601	6.885911	6.724425	6.881582
T2R55	T2R55	6.793031	7.124808	6.815603	7.076464	6.979498	6.971617	6.893238	6.954226	6.88696	6.913893	6.709576	6.857219
TAAR1	TAAR1	6.960066	7.098607	6.898383	7.053572	6.983682	7.043063	6.928033	7.030842	6.994006	6.965126	6.909692	6.889162
TAAR2	TAAR2	6.965008	7.164807	6.855154	7.08414	6.964933	7.139208	6.986816	7.005358	6.920361	7.02426	6.702186	6.91873
TAAR5	TAAR5	6.801561	7.021568	6.879781	6.973384	6.865127	6.91311	6.808847	7.013862	7.003894	6.88017	6.763777	6.76574
TAAR6	TAAR6	6.904283	6.99025	6.829032	7.048907	6.947612	7.030742	6.853038	6.929992	6.947822	6.872398	6.769668	6.795122
TAAR8	TAAR8	6.970422	7.176975	6.844997	6.975059	6.985457	6.976537	6.844903	6.886901	6.902266	6.996305	6.816704	6.879479
TAAR9	TAAR9	6.790046	7.13175	6.89402	7.102332	7.021041	7.026002	6.888427	6.886645	6.994658	6.956995	6.77656	6.849389
TAB3	TAB3	6.975779	7.105074	6.918482	7.135712	7.006531	7.021331	6.895428	6.931353	6.856851	6.94165	6.844682	6.870504
TAC1	TAC1	7.290325	8.27196	7.38179	7.057269	6.982048	7.569621	7.878945	7.663684	7.758701	7.178151	6.955831	6.907237
TAC3	TAC3	7.689642	8.094334	7.163727	8.365622	9.041995	7.532068	7.29842	7.204129	7.21812	7.020101	6.900902	6.998214
TAC4	TAC4	6.89786	7.088372	6.873762	7.082945	7.075429	7.213139	7.052371	7.031219	6.956815	7.158244	6.971426	7.018315
TACC1	TACC1	9.534883	9.638902	10.01962	10.52579	10.51913	11.32283	10.7478	10.88612	10.62857	10.65896	10.65955	10.652
TACC2	TACC2	8.914125	9.39349	8.533864	8.502604	8.592484	9.506238	9.273962	9.414636	9.007171	9.248264	8.866789	9.248661
TACC3	TACC3	9.274394	9.631215	8.754885	8.948189	8.371018	8.282725	8.157792	7.947955	7.926344	7.939385	7.478823	7.162137
TACR1	TACR1	6.853609	6.985061	6.806432	7.000986	6.875782	6.962802	6.81106	6.909921	6.857835	6.889147	6.74324	6.774754
TACR2	TACR2	6.783951	7.079337	6.883199	6.988582	7.009326	7.126414	6.827095	6.946287	6.903629	6.993636	6.790785	6.925563
TACR3	TACR3	6.896079	7.283018	6.976167	7.122624	7.048162	7.087601	6.911865	6.948141	6.96676	7.087139	6.812485	6.998801
TACSTD1	TACSTD1	12.03461	12.59871	11.64042	10.96967	10.16814	8.391342	7.967224	7.971038	8.434394	7.760437	7.329067	7.163849
TACSTD2	TACSTD2	7.805695	8.321017	7.998922	7.631009	7.153728	7.118242	6.94255	7.126785	7.045578	7.059138	6.912086	7.029817
TADA1L	TADA1L	9.313888	9.640263	9.262416	9.209301	8.950991	9.340045	8.793938	8.616844	8.933425	8.576803	8.362818	8.572998
TADA2L	TADA2L	7.217715	7.564053	7.316953	7.463979	7.322692	7.615284	7.440174	7.387987	7.461699	7.496158	7.200427	7.260899
TADA3L	TADA3L	7.697085	7.945496	7.750734	8.094488	8.013872	8.37548	8.078725	8.257828	8.00108	8.179569	8.271745	7.919822
TAF1	TAF1	7.260192	7.50971	7.321594	7.369292	7.163898	7.375723	7.174362	7.207599	7.18399	7.274475	7.082178	7.383584
TAF10	TAF10	10.13745	10.54975	9.838433	9.994559	10.07402	10.52181	10.2508	10.40777	10.17891	10.54451	10.68973	9.942906
TAF11	TAF11	6.970996	7.377082	6.93093	7.186701	7.098661	7.004965	7.134528	7.101832	7.07915	7.126419	6.941091	7.115129
TAF12	TAF12	9.22739	9.679713	8.999235	9.070284	9.195723	10.26131	9.470739	9.529894	9.464227	9.190882	9.17527	8.973171
TAF13	TAF13	7.403538	7.68295	7.224294	7.435042	7.286652	7.769337	7.394854	7.385992	7.493672	7.450287	7.334022	7.705867
TAF15	TAF15	11.68514	12.44445	11.38641	11.43395	11.4463	11.09388	11.09068	10.78829	11.29468	10.6169	10.17227	10.55196
TAF1A	TAF1A	7.585324	7.931943	7.465598	7.58928	7.515612	7.382049	7.243202	7.250838	7.3117	7.258759	7.216262	7.213416
TAF1B	TAF1B	8.944311	9.55089	9.248879	9.435958	8.993837	9.075429	8.474332	8.372792	8.537366	8.280949	8.304077	8.260819
TAF1C	TAF1C	9.643646	9.877562	9.174546	9.500251	9.197725	9.155876	8.68142	8.612027	8.758111	8.496848	8.2296	8.279784
TAF1L	TAF1L	7.994625	7.985434	7.902732	7.847995	7.858518	8.163151	7.776348	7.934397	7.914697	7.623149	7.363955	7.607471
TAF2	TAF2	8.917139	9.148142	9.137996	9.367087	9.08389	9.516341	8.668563	8.808771	8.614521	8.568145	8.625899	8.704169
TAF3	TAF3	7.030372	7.212332	7.033985	7.157696	7.173907	7.144745	7.070904	6.979301	7.123921	7.128709	6.903173	6.946012

TAF4	TAF4	9.612986	9.518553	8.755727	9.092614	8.986612	8.878636	8.655721	8.772625	8.38658	8.485874	8.742915	8.319265
TAF4B	TAF4B	7.830093	8.238835	7.319405	7.238696	7.014657	7.041099	7.040025	6.977263	6.943134	6.937175	6.775624	6.88622
TAF5	TAF5	8.923182	9.280281	8.704105	8.698926	8.267341	8.151041	7.751607	7.869284	7.836014	7.843267	7.504752	7.533324
TAF5L	TAF5L	7.385476	7.701556	7.326563	7.147516	7.417379	7.307679	7.226744	7.148252	7.343883	7.218947	7.090218	7.217197
TAF6	TAF6	7.429305	7.546195	7.246504	7.495759	7.407893	8.19684	8.014195	8.03744	7.84018	8.088971	7.772108	7.80013
TAF6L	TAF6L	9.718417	10.09462	9.77845	9.913733	9.721583	9.660922	9.368894	9.207375	9.401415	9.086029	8.707099	9.111161
TAF7	TAF7	10.03213	10.52338	9.853538	10.27145	9.995699	11.02198	10.53194	10.48891	10.59718	10.59949	10.23265	10.57749
TAF7L	TAF7L	6.788118	6.964122	6.773817	7.050133	6.969845	7.220607	6.813119	6.978902	6.768864	6.800334	6.800043	6.856318
TAF9	TAF9	8.238286	8.884395	8.324882	8.338955	8.263678	8.807456	8.701728	8.18895	9.006988	8.554098	8.425889	8.410116
TAF9B	TAF9B	6.759441	7.010957	6.787763	6.951368	6.963724	6.894525	6.849284	7.02656	6.884604	6.86716	6.740577	6.78508
TAF9L	TAF9L	8.662833	9.406854	9.079767	8.991168	8.566651	9.772367	9.320264	9.291735	9.39481	9.290301	9.053941	8.919044
TAGAP	TAGAP	6.884883	7.029143	6.810517	7.018863	6.87196	6.958465	6.892123	6.870624	6.870658	6.92464	6.770521	6.834361
TAGLN	TAGLN	10.29441	11.31807	10.74174	11.66808	11.69278	12.74802	11.76879	12.09588	12.00592	12.03154	12.99561	11.83422
TAGLN2	TAGLN2	8.540762	10.22516	9.599033	9.693659	8.963234	8.424976	8.271487	9.117044	9.068548	9.027597	10.95771	9.507708
TAGLN3	TAGLN3	7.725448	7.793712	8.011393	7.433228	7.126828	7.01665	6.968551	7.140066	8.497376	7.012272	7.01446	6.985025
TAKR	TAKR	6.849557	7.013129	6.896704	7.00234	6.912172	6.881836	6.781512	6.936606	6.84598	6.831829	6.6917	6.782803
TAL1	TAL1	7.05567	7.070529	6.817188	7.169902	6.988509	7.048738	6.873269	6.963213	6.924816	6.947385	6.831757	6.720626
TAL2	TAL2	7.109879	7.357366	7.081123	7.353208	7.087306	7.259939	7.116214	7.203314	7.18711	7.117163	6.907806	7.074632
TALDO1	TALDO1	12.00104	12.21742	10.93744	10.96567	10.69987	10.97383	10.52711	10.7336	10.76811	10.86766	11.10155	10.65429
TANC1	TANC1	7.815883	8.036908	8.601473	8.555383	8.812782	10.58483	9.980855	10.27188	9.951112	10.29873	10.10576	10.38651
TA-NFKBH	TA-NFKBH	6.983171	7.242097	6.976144	7.195236	7.109935	7.02104	6.986733	7.001389	6.944463	6.947893	6.758846	6.883969
TANK	TANK	7.433694	7.538824	7.579066	7.763623	7.774405	8.126228	8.065684	8.092777	8.179407	8.095467	8.107006	8.299877
TAOK1	TAOK1	8.200728	8.575655	8.301505	8.800788	8.242163	8.295275	7.989067	7.749727	7.961127	7.642072	7.246456	8.585027
TAOK2	TAOK2	7.123244	7.364044	7.048312	7.448658	7.356746	7.365119	7.333605	7.422651	7.307656	7.349591	7.334982	7.187914
TAOK3	TAOK3	6.77958	6.91747	6.677399	6.976147	6.938035	6.862329	6.724171	6.867761	6.830438	6.830595	6.718142	6.840843
TAP1	TAP1	9.400777	9.437004	7.597668	7.494578	7.189636	7.966152	8.439198	8.954367	8.966903	9.61677	9.914879	9.857188
TAP2	TAP2	7.401232	7.561821	7.018422	7.133284	6.987589	7.044119	7.116191	7.233858	7.116836	7.252357	7.310697	7.397379
TAPBP	TAPBP	7.931568	8.453341	7.430771	7.658157	7.811207	8.03714	8.19911	8.535694	8.494302	8.782212	9.093048	8.946432
TAPBPL	TAPBPL	6.929882	7.238065	6.830033	7.199071	7.06655	7.096501	7.239219	7.115662	7.168345	7.285444	6.970361	7.241038
TA-PP2C	TA-PP2C	8.630889	8.51906	8.294646	8.820976	8.689575	9.541079	8.970712	9.055931	8.831205	8.867987	8.479057	8.645449
TARBP1	TARBP1	8.251593	8.388523	8.211807	8.379547	8.375551	8.222254	8.107581	7.979334	7.933112	7.810971	7.393177	7.73223
TARBP2	TARBP2	9.415204	9.61697	9.091803	9.19991	9.018108	9.193989	8.733307	8.650872	8.740855	8.66366	8.350188	8.421439
TARDBP	TARDBP	8.34498	8.475063	8.225956	8.712454	8.591414	8.714565	8.234331	7.95159	8.141327	7.936284	7.380269	7.673815
TARP	TARP	6.827768	6.966708	6.774464	7.099961	6.851623	7.014268	6.870912	6.841083	6.813613	6.859076	6.734622	6.789539
TARS	TARS	11.51955	12.22561	10.66098	10.90186	10.38793	11.14519	10.56073	10.49337	10.64966	10.51448	10.70964	10.64289
TARSL1	TARSL1	7.730162	7.974743	7.209912	7.635813	7.295685	8.158666	7.854887	7.741344	7.700772	7.951323	7.584279	7.653473

TARSL2	TARSL2	7.366083	7.551652	7.419199	7.916385	8.048078	8.749987	8.324827	8.425295	8.27461	8.371013	8.206601	8.051711
TAS1R1	TAS1R1	6.841837	6.974137	6.753289	6.953919	7.012582	6.913517	6.775207	6.914506	6.872857	6.969913	6.816545	6.77925
TAS1R2	TAS1R2	6.858618	7.013015	6.891626	7.029727	6.897285	6.904215	6.879609	6.901171	6.897135	6.940062	6.736114	6.824778
TAS1R3	TAS1R3	6.821267	7.002004	6.75881	6.94297	6.952777	6.891752	6.867762	6.932906	6.833578	6.885541	6.765991	6.75
TAS2R1	TAS2R1	7.000765	7.315763	6.927402	7.08915	7.071776	7.212324	6.925669	7.046268	7.088574	7.099288	6.945448	6.912724
TAS2R10	TAS2R10	6.903941	7.00237	7.05306	7.44005	7.547159	7.485186	7.427958	7.240544	7.369513	7.220398	6.868364	7.091444
TAS2R13	TAS2R13	6.826136	6.99374	6.742372	7.096619	6.905195	6.926947	6.850012	6.906281	6.807133	6.853241	6.849327	6.812247
TAS2R14	TAS2R14	7.119842	7.141316	6.84664	7.190795	7.230366	7.259673	7.177085	7.144948	7.142437	7.06458	6.981657	6.928656
TAS2R16	TAS2R16	6.952066	7.042188	6.730058	7.02159	7.084515	6.950792	6.883705	6.906252	6.852289	6.934414	6.775921	6.906235
TAS2R3	TAS2R3	6.969095	7.134765	6.859609	7.093252	6.956571	7.070356	6.988001	7.067851	6.96704	7.093347	6.850769	6.983882
TAS2R38	TAS2R38	6.897937	7.091723	6.889755	7.121782	7.055721	7.04718	6.871632	6.982604	6.985899	6.969436	6.824607	6.923062
TAS2R39	TAS2R39	6.888853	7.191276	6.812814	7.061848	7.045026	7.034334	6.929448	7.016017	6.905468	7.032527	6.897843	6.872599
TAS2R4	TAS2R4	6.835548	7.116991	6.823306	7.020426	6.990297	7.067729	6.843317	6.891425	6.899572	6.839572	6.737121	6.829639
TAS2R40	TAS2R40	6.858606	7.002711	6.723443	6.983445	6.94028	6.907959	6.788862	7.005424	6.867577	6.932635	6.746345	6.875746
TAS2R41	TAS2R41	6.921464	7.310259	6.805286	7.080199	6.871188	7.121436	6.859456	6.971028	6.874848	6.981667	6.855061	6.96514
TAS2R43	TAS2R43	6.954407	7.031156	6.826341	7.098276	7.066257	7.111514	7.131061	7.007017	7.023103	6.881232	6.780664	6.912739
TAS2R44	TAS2R44	6.897936	7.109873	6.798756	6.980141	6.986558	7.096669	6.817484	6.917688	6.888815	6.901649	6.773621	6.728082
TAS2R45	TAS2R45	7.075661	7.238395	7.001343	7.189179	7.149639	7.107404	6.941351	7.142698	6.954961	7.111804	6.835643	6.94013
TAS2R46	TAS2R46	6.859155	6.978368	6.790231	6.92617	6.846869	6.937824	6.784925	6.92494	6.954173	6.979777	6.839341	6.833494
TAS2R48	TAS2R48	6.933387	7.113083	6.900479	6.981763	7.094935	7.058346	6.942338	6.988531	6.906307	7.044235	6.789024	6.841758
TAS2R49	TAS2R49	6.966684	7.200381	6.947762	7.162527	6.984312	7.063233	6.87536	6.991876	6.933159	6.8595	6.82726	6.914058
TAS2R5	TAS2R5	6.955523	7.322013	6.97835	7.10329	7.048227	7.160852	6.949165	7.020182	7.000304	7.004479	6.82286	6.90111
TAS2R50	TAS2R50	6.75884	6.924042	6.747329	6.876524	6.885482	6.966483	6.801148	6.833279	6.892116	6.922408	6.659913	6.748859
TAS2R60	TAS2R60	6.867472	6.939445	6.861774	6.970518	6.913916	6.964195	6.875615	6.854309	6.846224	6.96421	6.649535	6.756642
TAS2R7	TAS2R7	6.826109	6.982523	6.781081	6.980485	6.742081	6.779582	6.759817	6.804104	6.893142	6.783914	6.706254	6.812482
TAS2R8	TAS2R8	6.800121	7.027852	6.864318	7.058388	6.959272	6.940399	6.836124	6.870723	6.844226	6.961126	6.763233	6.931666
TAS2R9	TAS2R9	6.955534	7.006831	6.715063	6.940799	6.941957	6.913796	6.809753	6.896091	6.903215	6.870058	6.787167	6.976443
TASP1	TASP1	7.77472	8.228449	7.910789	7.870971	7.804761	8.10439	7.714791	7.886015	7.900694	7.806041	7.838242	7.765003
TAT	TAT	6.938292	7.17139	6.872624	7.165585	6.888205	7.001462	6.819686	6.992306	6.830023	6.976821	6.931836	6.943251
TATDN1	TATDN1	9.596787	10.05467	9.313274	9.129799	9.258286	9.880059	9.387616	9.20788	9.643045	9.49449	9.374194	8.887488
TATDN2	TATDN2	8.451164	8.751551	8.155352	8.606571	8.539639	8.40288	8.393268	8.353952	8.342494	8.311989	8.156239	8.221409
TATDN3	TATDN3	8.670424	8.828964	8.320804	8.261179	8.31483	9.311724	8.644044	8.682806	8.797553	8.731376	8.704578	8.759556
TAX1BP1	TAX1BP1	10.89718	11.44581	11.65982	11.86554	11.81575	12.41239	11.85356	12.16607	11.97668	11.98928	12.01258	11.84486
TAX1BP3	TAX1BP3	10.27921	11.02973	10.05524	11.36018	11.39547	11.79379	11.7006	11.96261	11.9074	11.90804	12.00759	11.5291
TAZ	TAZ	7.279733	7.484931	7.11645	7.40017	7.218377	7.29566	7.21085	7.307398	7.3486	7.345945	7.242108	7.294194
TBC1D1	TBC1D1	7.018888	7.305802	6.841397	7.093659	6.989694	7.145892	6.974674	7.098425	6.979322	7.173502	7.029009	6.978374

TBC1D10A	TBC1D10A	7.040716	7.329289	7.027018	7.2234	7.248488	7.364427	7.047805	7.169262	7.129677	7.229706	7.113915	7.121902
TBC1D10B	TBC1D10B	7.519199	7.603408	7.306342	7.676363	7.581595	7.747555	7.691764	7.740626	7.589529	7.668366	7.727949	7.37995
TBC1D10C	TBC1D10C	6.845198	7.057667	6.916033	7.042147	6.904884	6.947901	6.821541	7.011479	6.91373	6.917956	6.695447	6.796804
TBC1D12	TBC1D12	6.899791	7.088366	6.975324	7.168165	7.116489	7.121918	7.042919	7.047447	7.075275	7.060874	6.958208	7.002067
TBC1D13	TBC1D13	8.14193	8.464076	8.319508	8.595594	8.453738	8.419109	8.217928	8.407285	8.280665	8.409509	8.259807	7.972695
TBC1D14	TBC1D14	10.07904	10.31709	9.619133	9.915193	9.847445	9.75812	9.425997	9.465682	9.402506	9.175645	9.249731	9.132743
TBC1D15	TBC1D15	9.987731	10.19835	9.782704	9.821405	9.51582	10.33554	9.544924	9.646048	9.74177	9.723804	9.415793	9.855112
TBC1D16	TBC1D16	8.86546	9.27664	8.430284	8.773559	8.570574	7.91103	7.736319	7.701074	7.87215	7.465665	7.38458	7.443781
TBC1D17	TBC1D17	7.267826	7.384984	6.994472	7.167867	7.28034	7.436877	7.268054	7.439023	7.244554	7.471086	7.444427	7.255856
TBC1D19	TBC1D19	7.410424	7.759119	7.768462	8.482896	8.414463	8.710187	8.550515	8.785147	8.866113	8.939004	9.144501	9.137393
TBC1D2	TBC1D2	7.620892	7.804838	7.507208	7.346815	7.231432	7.280023	7.207256	7.022103	7.180636	7.166966	7.422894	7.361664
TBC1D20	TBC1D20	7.690884	7.916888	7.703094	8.371464	8.262864	8.263785	7.984475	8.135487	8.072971	8.107762	8.179771	8.182159
TBC1D21	TBC1D21	6.877743	7.06135	6.859179	7.129578	6.92356	7.029045	6.970705	6.993939	7.053794	7.048102	6.913491	6.935325
TBC1D22A	TBC1D22A	6.974129	7.158797	6.850524	7.159154	7.144469	7.036323	6.975236	7.07264	6.986893	7.094269	6.949679	7.067737
TBC1D22B	TBC1D22B	8.229009	8.476038	7.923087	8.234927	7.959036	8.383551	8.127779	8.178938	8.122355	8.013777	7.950488	7.986825
TBC1D23	TBC1D23	7.421191	7.812022	7.489065	7.621768	7.669472	8.130912	7.581306	7.91102	7.819417	7.772784	7.967978	8.187023
TBC1D24	TBC1D24	7.519541	7.569648	7.190004	7.732869	7.433209	7.440699	7.262013	7.378059	7.385158	7.187642	7.069757	7.254807
TBC1D2B	TBC1D2B	8.423368	8.540891	7.733659	8.145624	8.437168	8.096972	8.251616	8.4726	8.465485	8.361066	8.888471	8.449406
TBC1D3	TBC1D3	6.783344	6.960742	6.702932	7.099063	6.965774	6.95133	6.957733	6.948565	6.777764	7.036894	6.794741	6.882973
TBC1D3B	TBC1D3B	7.154938	7.368569	7.193309	7.560365	7.398008	7.505502	7.325575	7.431522	7.339015	7.33438	7.161761	7.255723
TBC1D3C	TBC1D3C	6.888016	7.072949	6.84807	7.069913	6.955355	7.079798	6.909906	7.040382	6.989783	7.045396	6.92151	6.905882
TBC1D3G	TBC1D3G	7.125372	7.36247	7.095706	7.389242	7.373415	7.358301	7.150998	7.33696	7.230573	7.136557	7.073483	7.141668
TBC1D4	TBC1D4	8.706348	8.652184	7.842635	8.644594	8.967718	8.661065	8.515728	8.606123	8.262128	8.436813	8.027689	8.997864
TBC1D5	TBC1D5	7.093067	7.199779	6.947551	7.460649	7.255511	7.107591	6.967591	7.211157	7.154967	7.132099	6.962541	7.069433
TBC1D7	TBC1D7	9.971065	10.00429	9.386585	9.690548	9.666329	10.68163	10.45143	10.35456	10.47884	10.73075	10.48658	10.10662
TBC1D8	TBC1D8	8.174509	8.152988	7.628395	7.518795	7.608942	8.423187	8.296713	8.716367	8.67269	8.848834	8.259747	8.668643
TBC1D8B	TBC1D8B	6.776483	6.931164	6.715195	6.985645	7.018998	6.861587	6.831099	6.850858	6.765267	6.869259	6.839742	6.856945
TBC1D9	TBC1D9	7.14477	7.43439	8.307853	8.727746	8.701617	8.603181	8.67106	8.841062	8.770142	8.482932	8.683305	8.360023
TBC1D9B	TBC1D9B	7.87156	7.976206	7.752242	8.23077	8.195015	8.1192	7.980273	8.024132	8.033569	8.10281	8.006957	8.024427
TBCA	TBCA	13.50594	14.02159	13.47281	13.11764	13.59134	13.65658	13.35041	13.45624	13.53803	13.41224	13.4743	12.80666
TBCC	TBCC	8.746733	9.043513	8.489545	8.658831	8.402385	9.498408	8.81701	9.060977	8.727858	9.039297	9.017476	8.706239
TBCCD1	TBCCD1	7.366663	7.681552	7.25258	7.456061	7.290013	7.380755	7.328394	7.405254	7.352844	7.444338	7.416448	7.380995
TBCD	TBCD	9.39561	9.291762	8.378863	8.846051	8.656908	8.518611	8.470691	8.669817	8.570577	8.579125	8.53897	8.428332
TBCE	TBCE	10.30754	10.62063	10.00012	10.01084	9.856529	10.60759	9.87196	9.905175	9.844036	9.850282	9.635289	9.657516
TBK1	TBK1	9.387454	9.721606	9.22706	9.536894	9.339156	9.793868	9.219886	9.467402	9.359919	9.419991	9.38284	9.347415
TBKBP1	TBKBP1	7.03976	7.227956	7.033616	7.366519	7.229825	7.586418	7.38921	7.3136	7.395802	7.243059	7.120303	7.116585

TBL1X	TBL1X	9.64644	10.08426	9.683932	10.35431	10.03432	9.060944	9.121862	8.97633	9.195303	8.845806	8.515904	8.635621
TBL1XR1	TBL1XR1	7.73546	8.22109	8.194671	8.434665	8.142923	8.722159	8.112172	8.255889	8.331721	8.231399	8.10254	8.237274
TBL1Y	TBL1Y	6.903058	7.017491	6.73975	7.084597	6.918973	6.97109	6.835772	6.899109	6.78643	6.886264	6.815911	6.749131
TBL2	TBL2	8.191837	8.154373	8.218481	8.777388	8.787596	8.839398	8.530383	8.738321	8.441443	8.573607	8.779601	8.455343
TBL3	TBL3	7.860364	7.816571	7.384926	7.58707	7.438014	7.612371	7.344761	7.498275	7.351449	7.519898	7.460041	7.463977
TBN	TBN	7.089462	7.350063	7.08342	7.29827	7.155942	7.19859	7.244615	7.11085	7.241654	7.119662	6.934191	7.13169
TBP	TBP	9.601551	9.755925	9.447837	9.589704	9.394962	9.589225	9.03416	9.196581	9.03318	9.140898	9.012008	8.736878
TBPIP	TBPIP	6.875402	7.086378	6.79145	6.942146	6.857905	6.894056	6.823617	6.987074	6.844608	6.881047	6.718179	6.764237
TBPL1	TBPL1	10.81027	11.07449	10.38266	10.36333	10.08219	10.04271	9.641296	9.631206	9.943222	9.729867	9.904304	9.481545
TBPL2	TBPL2	7.093029	7.326774	7.006727	7.191548	7.194263	7.146792	7.079364	7.017246	7.062502	7.110287	6.914902	7.0502
TBR1	TBR1	6.916139	7.113102	6.811115	7.125033	6.905369	6.943753	6.845922	6.955595	6.82262	6.995752	6.831272	6.89592
TBRG1	TBRG1	6.973479	7.032707	6.850879	7.148031	7.003587	7.087668	6.96586	7.013295	6.971019	7.029222	6.911682	6.906251
TBRG4	TBRG4	9.397199	9.505437	8.784221	8.797187	8.62772	9.438019	8.689071	8.842843	8.718901	8.868534	8.907294	8.800452
TBX1	TBX1	6.890917	7.066041	6.81995	7.043238	6.939493	7.00263	6.851094	6.890605	6.893444	6.922451	6.80817	6.850774
TBX10	TBX10	6.93537	7.110836	6.806714	7.208404	6.895641	6.923161	6.910332	7.004671	7.006173	7.034946	6.834947	6.943679
TBX15	TBX15	6.861359	6.985472	6.836611	7.056237	6.895135	6.886474	6.883438	6.989029	7.046714	6.958402	6.787994	6.890101
TBX18	TBX18	6.915693	7.136377	6.887595	7.15749	7.342195	7.105027	7.022983	7.142514	7.151668	7.052457	7.017898	7.000461
TBX19	TBX19	7.238217	7.498599	7.20517	7.460249	7.359189	7.399903	7.214881	7.242817	7.315235	7.375327	7.138144	7.296832
TBX2	TBX2	6.778954	7.055874	7.213233	9.332341	9.818921	11.24863	10.41737	9.937695	9.45979	9.128843	8.659478	8.191643
TBX20	TBX20	6.910239	7.072609	6.830749	7.124814	7.087347	7.519596	7.136306	7.177456	7.085096	7.117288	6.857635	7.019257
TBX21	TBX21	6.983441	7.010654	6.780039	7.035308	7.079326	7.096632	7.07188	6.997426	7.023355	7.145454	6.842954	6.852404
TBX22	TBX22	7.078918	7.250656	6.874473	7.107824	6.96378	7.077127	7.011996	7.035916	7.042495	7.008865	6.791086	6.933759
TBX3	TBX3	6.97275	7.227436	8.386945	9.092594	8.439621	9.612676	9.04831	9.07812	9.13655	9.19394	8.617245	8.96399
TBX4	TBX4	6.80838	7.04754	6.814008	7.216927	7.144199	6.939539	6.870158	6.888532	6.917425	6.819361	6.905521	6.794114
TBX5	TBX5	6.831041	6.977859	6.713016	7.113565	7.056609	7.538026	7.279475	7.305529	7.22857	7.311389	7.036284	7.120961
TBX6	TBX6	6.926663	7.045081	7.199647	7.147206	6.938612	6.985089	6.921775	6.925257	6.887572	6.91178	6.794001	6.83729
TBXA2R	TBXA2R	6.87362	7.063234	6.737902	6.966632	6.88353	6.988442	6.827086	6.905344	6.811368	6.929974	6.756447	6.776906
TBXAS1	TBXAS1	6.912401	7.119381	6.827856	7.150973	6.990844	6.935233	6.908069	7.02222	6.841909	6.895578	6.950386	6.959518
TCAP	TCAP	6.941416	7.175968	6.840996	7.049654	7.187047	9.104752	10.58301	10.31229	10.29072	11.05681	10.27922	11.72097
TCBA1	TCBA1	6.799034	7.128676	6.923575	6.995691	6.915287	6.950335	6.760786	6.91311	7.066951	6.877115	6.65072	6.752022
TCEA1	TCEA1	9.396869	10.13308	9.414734	9.089844	8.805896	9.45237	8.729289	8.969612	8.763969	8.678521	8.859046	8.95253
TCEA2	TCEA2	8.186279	8.41687	8.155825	8.805938	8.90719	8.930885	8.72847	8.644948	8.516365	8.569143	8.271213	8.260468
TCEA3	TCEA3	6.869805	7.116057	7.602558	8.26765	9.226957	11.5434	11.55681	11.44779	11.09286	11.50395	10.71192	10.85307
TCEAL1	TCEAL1	7.23984	7.447212	7.05341	7.386179	7.832876	9.128425	8.726472	8.866972	9.000937	8.990655	8.749805	8.445814
TCEAL2	TCEAL2	10.77531	11.16959	9.832699	9.251454	8.716818	7.852898	7.688697	7.559793	8.839041	7.353719	7.293359	7.448914
TCEAL3	TCEAL3	9.918174	10.40835	9.056386	9.54799	10.27058	10.39398	10.34433	10.36543	10.74448	10.82579	10.90083	11.01265

TCEAL4	TCEAL4	10.63176	11.38654	10.74944	10.62665	11.00852	11.49701	11.04194	11.10766	11.23181	11.14973	10.98973	11.04332
TCEAL5	TCEAL5	6.870929	7.191804	6.761862	7.081568	6.87297	7.080596	6.948042	6.917585	6.968664	7.010576	6.929255	7.025086
TCEAL6	TCEAL6	7.066004	7.348628	6.922242	6.982211	6.953587	7.001791	6.998867	6.990787	7.006917	6.936692	6.854278	6.846105
TCEAL7	TCEAL7	7.982321	9.134711	7.472944	7.504681	7.699404	8.306678	7.992845	8.144138	8.444058	7.88068	7.897856	7.555185
TCEAL8	TCEAL8	10.81656	11.45064	11.33963	10.97708	11.16513	11.75991	11.67255	11.47514	11.81025	11.5844	11.03572	10.75639
TCEB1	TCEB1	11.26335	11.924	11.34891	11.31848	11.16877	11.85058	11.58543	11.48878	11.68626	11.71756	11.67679	11.09824
TCEB2	TCEB2	11.42461	12.15633	11.6687	11.69898	11.66567	12.12703	11.94774	11.81454	11.98309	12.21913	11.92213	11.75198
TCEB3	TCEB3	9.34811	9.95457	9.061815	9.033351	8.68721	8.820539	8.760834	8.621991	8.696729	8.583145	8.4717	8.798721
TCEB3B	TCEB3B	6.819824	6.95796	6.826781	6.931427	6.945482	6.908493	6.95587	6.846248	6.805085	6.931358	6.726798	6.69149
TCEB3C	TCEB3C	6.759293	7.07005	6.726096	6.965879	6.83571	6.847866	6.824169	6.838318	6.877795	6.822865	6.724104	6.75381
TCERG1	TCERG1	8.692269	8.861144	8.492394	8.895634	8.562921	8.49488	8.229275	8.209208	8.168688	8.279114	8.004084	8.120953
TCERG1L	TCERG1L	6.88159	6.980145	6.840715	6.923004	6.808797	6.843072	6.884144	6.923413	6.851673	6.856802	6.732793	6.798132
TCF1	TCF1	6.747481	6.927972	6.786356	6.887747	6.847506	6.879977	6.773181	6.864017	6.834884	6.838674	6.741661	6.794397
TCF12	TCF12	9.034678	9.51231	9.137586	9.487275	9.590029	9.868034	9.313703	9.193727	9.15583	8.843575	8.860442	8.920445
TCF15	TCF15	7.453562	7.642367	7.266046	7.230153	7.125095	6.987134	6.77918	6.965818	6.935245	7.121527	6.779806	7.024909
TCF19	TCF19	7.028072	7.283809	6.887451	7.101899	7.034984	7.063049	7.029654	7.083647	7.045921	7.106598	6.898289	6.885362
TCF2	TCF2	6.813745	7.054022	7.143558	7.468956	7.109276	6.931625	6.855338	6.939713	6.882435	6.89736	6.739271	6.802221
TCF20	TCF20	8.542312	8.756825	8.488736	8.639303	8.344441	8.105178	7.85103	7.735898	7.920466	7.633062	7.481339	7.615905
TCF21	TCF21	6.862928	7.066915	7.06917	8.16334	8.260892	8.066041	7.521439	7.502798	7.429234	7.022965	6.941912	6.778563
TCF23	TCF23	7.151141	7.341128	7.009432	7.154888	7.037916	7.114929	7.113284	7.16195	7.148528	7.206117	6.998146	7.05009
TCF3	TCF3	9.835497	9.720353	9.030974	9.563947	8.952398	8.553337	8.035126	8.137712	8.021266	7.829542	7.940957	7.471649
TCF4	TCF4	9.41625	9.360501	9.306795	10.31602	9.542635	8.594663	8.183488	8.185261	8.887606	7.892709	7.99788	8.607133
TCF7	TCF7	6.903465	7.14364	6.976189	7.058795	6.997353	7.024021	6.853886	6.947427	6.912672	6.90423	6.813973	6.817621
TCF7L1	TCF7L1	8.771175	8.620771	7.543107	7.737265	7.548157	7.349708	7.179017	7.324437	7.292343	7.352899	7.202156	7.077794
TCF7L2	TCF7L2	8.497969	8.991385	7.997044	8.036066	8.01004	8.38866	7.615473	7.618496	7.673575	7.429671	7.436238	7.403391
TCF8	TCF8	6.819361	6.986074	6.771874	7.045624	7.182579	7.566252	7.287909	7.474661	7.379557	7.606219	7.468484	7.481545
TCFL5	TCFL5	8.80743	8.447283	8.67716	8.574639	8.872837	8.696405	8.08712	8.262279	8.240234	8.047016	8.105094	8.045387
TCHHL1	TCHHL1	6.8555	6.921186	6.694487	6.980886	6.841317	6.696637	6.770374	6.811214	6.684875	6.800115	6.57912	6.637791
TCHP	TCHP	7.39291	7.494556	7.822163	7.861409	7.675944	7.888556	7.681701	7.724297	7.5488	7.778771	7.282946	7.246023
TCIRG1	TCIRG1	7.215588	7.362454	7.077714	7.418611	7.294132	7.029047	6.974082	7.05484	7.061969	7.041274	6.944636	6.862803
TCL1A	TCL1A	6.942068	6.979635	6.697052	6.948195	6.821171	6.854136	6.792	6.91966	6.733658	6.830481	6.78474	6.86393
TCL1B	TCL1B	7.478803	7.437394	6.979102	7.136755	7.144649	7.079844	7.055684	7.035282	7.016503	7.177437	6.842323	6.813945
TCL6	TCL6	7.046306	7.11731	6.912763	7.095546	6.976262	7.111684	6.934758	7.010462	6.902282	6.967243	6.766402	6.885362
TCN1	TCN1	7.00656	6.919883	6.659103	6.961931	7.127879	6.790327	6.817241	6.764761	6.862697	6.849564	6.67963	6.778369
TCN2	TCN2	8.49447	9.201411	9.005529	7.792357	7.368703	7.3099	7.093808	7.32183	7.157497	7.151245	7.049893	7.112382
TCOF1	TCOF1	7.240554	7.383901	7.01443	7.207823	7.064204	7.081279	6.988691	6.973724	6.935139	6.978359	6.8394	6.911607

TCP1	TCP1	10.11916	10.47546	9.809483	9.634595	9.47939	9.790175	9.613406	9.491821	9.741272	9.579846	9.609703	9.77581
TCP10	TCP10	6.926773	7.077592	6.773013	7.023483	6.977654	7.006026	6.885173	6.963219	6.867496	6.955461	6.86253	6.838692
TCP10L	TCP10L	7.223136	7.495582	7.045384	7.35111	7.289758	7.662052	7.481673	7.367545	7.315956	7.424737	7.282748	7.444803
TCP10L2	TCP10L2	6.959787	6.975537	6.795259	7.008146	6.945341	6.953946	6.993515	6.994758	6.897098	6.993096	6.753336	6.894722
TCP11	TCP11	6.80021	7.02876	6.788739	7.162355	6.888525	6.966701	7.018434	6.843525	6.834969	6.873607	6.770651	6.742886
TCP11L1	TCP11L1	7.547655	7.702836	8.033825	7.709518	7.374017	7.540485	7.386142	7.425609	7.423748	7.398364	7.382464	7.390533
TCP11L2	TCP11L2	6.95398	7.067929	6.930753	7.160167	6.937774	7.257204	7.02126	7.040571	6.929363	7.022022	6.846587	7.044106
TCTA	TCTA	7.404934	7.833759	7.400663	7.638469	7.867246	8.411797	8.094664	8.153068	8.029804	8.263932	8.343136	7.873922
TCTE3	TCTE3	6.949301	7.070828	6.763437	6.97913	6.974191	7.007766	6.98698	6.916635	6.937896	6.848282	6.803384	6.825486
TCTEX1D1	TCTEX1D1	7.359124	7.435026	7.20568	7.352542	7.298714	7.549632	7.347805	7.186252	7.16198	7.184879	6.989599	7.121293
TDG	TDG	11.27987	11.76358	11.68795	11.70478	11.4282	11.74508	10.68693	10.65452	10.65952	10.40101	10.31212	10.19425
TDGF1	TDGF1	7.441352	7.67705	7.071441	7.086436	6.860124	6.961841	6.800553	6.934708	6.834023	6.898791	6.709711	6.732223
TDGF3	TDGF3	7.018823	7.297831	6.878055	7.08062	6.951867	7.000417	6.880192	6.92286	6.849084	6.874087	6.806168	6.847887
TDH	TDH	6.96977	7.149767	6.887029	7.118225	6.954501	7.053249	6.81498	7.033045	6.81494	6.894968	6.773254	6.775204
TDO2	TDO2	6.8882	7.054927	6.779159	7.508263	7.580841	7.593061	7.012955	7.127754	7.186276	6.987994	6.785378	6.785692
TDP1	TDP1	8.585356	8.857061	8.507735	8.54513	8.541598	8.512645	8.455668	8.201857	8.172483	8.31995	8.099784	8.249796
TDRD1	TDRD1	7.930649	8.594385	8.075553	8.50606	8.621707	8.6436	8.740576	8.41239	8.457876	8.444498	8.375446	8.420576
TDRD10	TDRD10	6.871028	7.24624	6.797401	7.068476	7.017644	6.912758	7.001945	6.839302	6.839678	6.787726	6.75108	6.784473
TDRD3	TDRD3	7.592832	7.982627	7.554338	7.659641	7.826489	8.141921	7.799829	7.837068	7.891166	7.977715	7.587371	7.703298
TDRD4	TDRD4	6.820994	7.067057	6.898472	7.030664	6.835882	6.933586	6.865888	6.799152	6.839727	6.990343	6.672582	6.84714
TDRD5	TDRD5	6.771479	6.870641	6.767354	6.919437	6.874123	6.7301	6.74542	6.920082	6.908088	6.939781	6.773017	6.755535
TDRD6	TDRD6	7.083243	7.18782	7.087869	7.309001	7.171253	7.412884	7.446093	7.498905	7.445912	7.387807	6.948558	7.092628
TDRD7	TDRD7	7.792558	8.244285	8.278637	8.6786	8.654364	9.124111	8.864832	8.939722	8.941208	8.857053	8.724333	9.063462
TDRD9	TDRD9	7.039008	7.296123	7.006022	7.169076	7.083038	7.179269	7.083678	7.11891	7.06636	7.071281	6.854792	7.08972
TDRKH	TDRKH	7.227187	7.182584	6.904148	7.06652	6.886909	7.235685	6.986625	7.065524	7.14752	7.039742	6.838825	7.14349
TEAD1	TEAD1	6.939169	7.300561	6.943302	7.16158	6.918312	7.12032	6.992658	7.107935	7.135617	6.972995	6.928657	6.937848
TEAD2	TEAD2	12.79518	13.17898	12.7538	12.57404	12.28322	11.89357	11.69412	11.74966	11.61613	11.56213	11.36978	10.81705
TEAD3	TEAD3	7.101586	7.575657	7.101012	7.542488	7.717413	8.126788	7.74789	7.799777	7.702828	7.726547	7.371657	7.478813
TEAD4	TEAD4	8.564601	9.308123	8.032029	8.163142	7.85935	8.318583	7.956575	7.912429	8.057038	8.309866	8.27337	8.178614
TEC	TEC	6.95722	7.291662	7.06249	7.260755	7.106608	7.141399	7.043826	7.104923	7.186662	7.180264	6.877642	6.968374
TECTA	TECTA	7.095771	7.388248	7.167285	7.353371	7.328619	7.558386	7.415445	7.467471	7.320435	7.385466	7.066767	7.164414
TECTB	TECTB	6.835694	7.021885	6.81062	6.963921	6.931561	6.832117	6.766779	6.781708	6.762554	6.913823	6.715295	6.870354
TEDDM1	TEDDM1	6.984909	7.191453	6.932009	7.026906	6.915642	7.155268	6.949648	7.030192	7.006446	7.212231	7.084192	7.077449
TEF	TEF	7.82835	7.571705	7.365969	7.65959	7.734798	8.124381	7.761663	7.810346	7.947143	7.899933	7.859294	8.095917
TEGT	TEGT	12.52732	12.51164	12.45752	12.47784	12.07587	12.1527	11.68071	12.024	11.70771	11.59291	11.65637	11.66227
TEK	TEK	9.515921	8.403873	7.874112	10.76918	10.5982	8.304026	7.54535	7.466115	7.288525	7.070794	7.889053	7.259058

TEKT1	TEKT1	6.943512	7.098744	6.988727	7.086546	6.992957	6.989883	6.948977	6.994096	6.955488	6.920896	6.748043	6.907662
TEKT2	TEKT2	7.004548	7.338274	7.042871	7.204517	7.01344	7.127106	7.040652	7.014111	6.950748	7.0015	6.877592	6.959895
TEKT3	TEKT3	7.010162	6.968743	6.763718	7.10808	6.950753	7.015682	6.795609	6.816653	6.878941	6.914742	6.776552	6.839007
TEKT4	TEKT4	6.96271	7.002315	6.704125	6.99669	6.897704	6.985619	6.762082	6.868031	6.76794	6.770968	6.801544	6.709975
TENC1	TENC1	6.844164	7.03902	6.846299	7.025564	6.950826	7.010152	6.866992	6.978422	6.962043	6.946774	6.850945	6.923842
TENR	TENR	6.733308	6.928766	6.780045	6.94673	6.891473	6.815628	6.809902	6.857419	6.78451	6.881595	6.687804	6.674713
TEP1	TEP1	6.77121	6.976017	6.840397	6.986225	6.861488	7.009613	6.76755	6.912691	6.939445	6.807631	6.723049	6.763015
TEPP	TEPP	6.936637	7.112901	7.021967	7.10304	7.054932	7.111271	7.011036	6.99758	6.984264	6.973805	6.782865	6.929416
TERC	TERC	6.982114	7.326888	7.211893	7.254602	7.015897	6.887326	6.903451	6.972543	6.909124	6.948874	6.837991	6.758799
TERF1	TERF1	11.00308	11.72035	8.972914	8.617801	8.596402	8.505707	7.988746	7.998499	8.17359	7.948558	7.765795	7.77136
TERF2	TERF2	8.413329	8.475932	8.039919	8.612873	8.621568	9.333575	8.786321	8.864619	8.758895	8.818205	8.916806	8.75826
TERF2IP	TERF2IP	8.463091	8.893505	8.445408	9.469064	9.362633	10.40987	10.08203	10.35133	10.33917	10.69666	10.71337	10.82132
TERT	TERT	7.221752	7.296691	6.936004	7.135597	6.990632	7.063063	6.908853	6.976497	6.927484	7.033795	6.846549	6.923307
TES	TES	7.181257	7.675807	7.146304	7.468189	7.327109	7.608147	7.311754	7.375494	7.417074	7.35735	7.41735	7.401774
TESC	TESC	8.075178	8.239271	7.907311	7.38531	7.830296	8.238646	8.890627	9.029337	8.971606	9.572506	9.086797	9.556356
TESK1	TESK1	7.741404	7.857515	7.570943	8.178475	8.308417	8.438452	8.176861	8.525805	8.294459	8.548353	8.717325	8.357448
TESK2	TESK2	8.019976	8.130575	7.610505	7.866536	7.675845	7.565776	7.091765	7.272536	7.135998	7.143202	7.028524	7.035055
TESSP1	TESSP1	6.815891	7.098144	6.700365	7.124241	6.908828	6.986343	6.817604	6.999874	6.933319	6.904888	6.825517	6.780399
TESSP2	TESSP2	7.095747	7.121335	6.966113	7.161554	7.275836	7.895228	7.944066	8.190319	7.68499	7.856677	7.279199	7.439306
TESSP5	TESSP5	7.089368	7.350637	6.947264	7.15824	7.193433	7.869429	7.816155	7.913979	7.472788	7.778836	7.314932	7.45992
TETRAN	TETRAN	12.72587	12.66039	11.83909	12.25282	12.35874	11.82576	11.5228	11.45285	11.59771	11.25008	11.24508	11.5289
TEX10	TEX10	10.33856	10.93449	10.33824	10.26736	9.684272	9.744342	8.869354	9.114618	8.920377	8.907363	8.941907	8.97618
TEX101	TEX101	6.906665	7.247597	6.880114	7.063114	6.9172	7.119074	6.835123	6.890419	6.905934	7.143761	6.904636	6.909373
TEX11	TEX11	6.934849	7.055133	6.788001	7.016903	6.930908	6.989626	6.885922	6.897993	6.922304	6.941311	6.767272	6.78514
TEX12	TEX12	6.948812	7.115379	6.738355	7.05289	7.034118	7.157103	6.888252	6.966217	7.007446	7.022286	6.806398	6.945348
TEX13A	TEX13A	7.22761	7.476573	7.16778	7.337685	7.167547	7.32046	7.320718	7.176079	7.146348	7.244774	7.116574	7.069566
TEX13B	TEX13B	6.877934	6.997815	6.782327	6.943292	6.885966	6.891091	6.917511	6.822289	6.872503	6.916675	6.778276	6.819459
TEX14	TEX14	7.231843	7.344092	6.87144	7.05643	6.945874	6.964304	6.904123	6.980412	6.870145	6.947159	6.811149	6.831696
TEX15	TEX15	7.845185	7.807919	7.324403	7.214488	7.020201	6.898404	6.721767	6.848263	6.712371	6.842493	6.75136	6.825041
TEX2	TEX2	7.970941	8.088211	7.730086	9.058014	9.556268	10.22268	10.0136	10.17772	10.03193	9.986214	9.954149	9.693537
TEX261	TEX261	7.554922	7.813574	7.428859	7.914326	7.946005	8.057374	8.239651	8.206361	8.208304	8.296764	8.048821	8.238865
TEX264	TEX264	7.530634	7.696968	7.601404	8.0327	8.192347	8.655	8.394125	8.438186	8.3643	8.419585	8.308864	8.608818
TEX9	TEX9	7.128672	7.534265	7.119563	7.165436	7.074253	7.188555	6.998549	7.125761	7.002223	6.987519	6.859643	6.868323
TF	TF	6.749221	7.038445	6.857414	7.07974	7.254814	7.066146	6.995763	7.034696	6.981469	6.918939	6.833818	6.902531
TFAM	TFAM	11.24528	11.6083	11.16928	11.22206	10.63737	11.37172	10.35435	10.29937	10.29186	9.978171	9.443439	9.406997
TFAP2A	TFAP2A	7.07229	8.339385	7.919993	7.900751	7.611114	7.358807	7.233355	7.148748	7.41126	7.199808	7.177362	7.324157

TFAP2B	TFAP2B	6.838208	6.992144	6.873599	7.06585	7.136392	7.058333	6.849958	6.870825	7.044286	6.911567	6.765303	6.812684
TFAP2C	TFAP2C	8.050641	10.1833	8.977986	8.830457	7.85941	7.345316	6.833908	6.958799	7.235702	6.920778	6.806453	7.240913
TFAP2D	TFAP2D	6.842995	7.031895	6.790959	6.994418	6.906711	6.871163	6.757697	6.926008	6.908553	6.911188	6.771172	6.873064
TFAP2E	TFAP2E	6.786691	6.862116	6.866066	7.004085	6.990771	6.931829	6.852831	6.899718	6.804026	6.91332	6.733613	6.799077
TFAP4	TFAP4	7.503241	7.8636	7.329675	7.481353	7.354993	7.248462	7.189712	7.085444	7.248831	7.175246	7.036349	7.101506
TFB1M	TFB1M	10.05177	10.43497	9.407502	9.099952	8.940261	9.632579	9.083093	9.147428	9.070704	9.037348	9.130593	9.236563
TFB2M	TFB2M	10.01532	10.46171	9.762719	9.633538	9.467328	10.21203	9.335323	9.579488	9.458909	9.437306	9.467478	9.37197
TFCP2	TFCP2	9.663913	9.880414	9.347354	9.064806	8.968852	9.182033	8.987305	8.935221	8.762783	8.759419	8.758303	8.629055
TFCP2L1	TFCP2L1	7.243287	7.599305	6.896544	7.226535	6.924933	6.943557	6.82933	6.93045	6.798508	6.889865	6.747883	6.819474
TFDP1	TFDP1	11.12845	11.39692	11.01239	11.15552	10.81394	10.96677	10.58969	10.55513	10.45294	10.43385	10.32223	10.26092
TFDP2	TFDP2	8.093662	8.969356	8.147393	8.287485	7.841451	8.446735	8.025252	8.111309	7.958697	8.176417	7.70008	7.799097
TFDP3	TFDP3	6.88316	7.022664	6.794902	6.9925	6.972123	7.01683	6.864523	6.86291	6.955084	6.940818	6.731849	6.852735
TFE3	TFE3	7.943382	8.415434	7.227062	7.532198	7.558732	7.717747	7.488155	7.551461	7.33718	7.527944	7.797694	7.592936
TFEB	TFEB	6.90138	6.951261	6.854015	7.001857	6.975372	7.264181	7.206116	7.198961	7.081574	7.373251	7.098397	7.154804
TFEC	TFEC	6.914623	7.120471	6.855396	7.066974	6.944056	7.024368	6.901081	6.960358	6.897277	7.027814	6.784686	6.853381
TFF1	TFF1	6.857753	7.09762	6.806249	6.988033	6.95296	6.946151	6.841818	6.921424	6.854802	6.959473	6.748722	6.797541
TFF2	TFF2	6.956434	6.988612	6.819378	6.915265	6.867572	6.749763	6.933475	6.889225	6.819878	6.980063	6.807543	6.745794
TFF3	TFF3	7.453181	7.515971	7.560631	7.310434	7.150745	7.015256	6.8002	7.01845	7.487808	7.148002	6.846837	6.831528
TFG	TFG	10.9132	11.21923	10.80451	11.24244	11.38007	11.92233	11.45318	11.42374	11.47065	11.35093	11.319	11.15874
TFIP11	TFIP11	8.153085	8.463896	7.99574	8.486269	8.430133	8.776726	8.335475	8.314584	8.38722	8.318887	8.100595	8.193457
TFPI	TFPI	7.367765	8.387734	8.870204	10.39789	9.857813	8.346929	7.970559	7.920454	8.105398	7.765906	9.004809	8.272366
TFPI2	TFPI2	7.186316	7.806448	7.268028	7.79663	7.580819	7.802734	8.689545	8.231709	8.584858	8.545798	9.786281	10.02337
TFPT	TFPT	7.87083	8.178451	8.02474	8.392202	8.173937	8.824237	8.398868	8.393337	8.333012	8.303357	8.104898	8.190492
TFR2	TFR2	6.971875	7.308751	7.002966	7.236395	6.956196	7.025708	6.952164	6.939012	6.92671	6.953859	6.763889	6.858139
TFRC	TFRC	12.78415	13.03658	12.59583	13.25107	13.04515	13.50211	12.72804	12.87123	12.87353	12.70892	12.60882	13.04832
TG	TG	6.992481	7.075271	6.868012	7.101836	6.983932	6.917862	6.896709	7.154705	6.961821	7.049141	6.814121	6.956348
TGDS	TGDS	9.412663	9.481468	9.068767	9.367722	9.409259	9.435974	8.984505	9.001538	9.000284	8.684456	8.646395	8.832771
TGFA	TGFA	7.136958	7.237597	7.907735	7.272337	6.943156	7.055112	6.899879	6.939257	6.926369	6.978575	6.780722	6.853749
TGFB1	TGFB1	6.889919	7.069364	6.800828	7.027665	6.872231	7.06511	6.869297	6.885324	6.909982	6.984726	6.920011	6.854835
TGFB1I1	TGFB1I1	7.047413	7.412853	7.042349	7.494185	7.666051	8.831112	8.90501	9.163872	9.013573	9.440907	9.534885	8.854594
TGFB2	TGFB2	6.903922	7.101179	6.863281	8.271924	8.102155	8.55173	7.798088	8.103103	7.779756	7.753258	8.010127	7.49833
TGFB3	TGFB3	6.901908	7.151643	7.162972	8.019368	8.062294	8.488854	8.186253	8.254583	8.926747	8.246715	7.791441	7.245071
TGFBI	TGFBI	8.536015	8.478759	9.314066	11.86408	11.52083	10.75173	12.06552	12.91998	12.85256	12.73841	14.40525	13.65966
TGFBR1	TGFBR1	7.172977	7.312042	7.110135	7.322146	7.226138	7.290554	7.085538	7.05139	7.197823	7.202373	6.993056	7.061334
TGFBR2	TGFBR2	7.892551	8.183937	7.703899	8.433568	8.386382	8.7002	8.83509	9.193886	8.962942	9.066239	9.531861	9.952569
TGFBR3	TGFBR3	8.219761	8.484555	9.151628	10.853	11.77018	9.085492	8.794969	8.688767	9.013082	8.791582	8.436268	8.489505

TGFBRAP	TGFBRAP	7.785531	7.95873	7.511517	7.798679	7.627669	7.651512	7.333249	7.300097	7.53485	7.277203	7.059985	7.756608
TGIF	TGIF	7.268109	7.466112	7.227443	7.293905	7.096682	7.10288	6.908034	6.966196	6.993496	7.002196	6.90502	6.925574
TGIF1	TGIF1	10.23493	10.31487	10.25459	9.409077	8.713633	8.46311	7.951031	8.133752	8.264937	8.133846	8.470816	8.187479
TGIF2	TGIF2	9.371574	9.581709	8.8779	9.462485	9.421211	8.91998	8.411237	8.111128	8.222029	8.15807	7.663754	7.81331
TGIF2LX	TGIF2LX	6.891649	6.990861	6.782091	6.975895	6.992514	7.000462	6.787516	7.02024	6.918895	6.854946	6.838744	6.68647
TGIF2LY	TGIF2LY	6.778974	7.03153	6.746008	6.909811	6.852321	6.924685	6.839861	6.909701	6.927435	6.958526	6.648578	6.873515
TGM1	TGM1	7.082419	7.209445	6.855804	7.052868	7.151117	7.042437	6.86914	6.989398	6.935908	7.021908	6.851393	6.864855
TGM2	TGM2	6.98586	7.149957	6.949033	7.686265	7.92156	9.158372	9.704599	10.01292	9.527188	10.31117	10.09655	9.969599
TGM3	TGM3	7.059692	7.258377	6.892448	7.154293	7.069234	7.2572	6.969487	7.027525	6.943433	7.150438	7.032177	6.941326
TGM4	TGM4	6.778332	7.035422	6.734526	6.971279	6.977855	6.927578	6.783446	6.88642	6.829511	6.89993	6.727363	6.76232
TGM5	TGM5	6.886155	7.03832	6.794242	7.042692	6.899322	6.973927	6.860442	6.962994	6.88146	6.966388	6.757138	6.81294
TGM6	TGM6	6.791865	6.938384	6.787464	6.94995	6.896701	6.870705	6.853874	6.903037	6.905184	6.826636	6.79704	6.857316
TGM7	TGM7	7.022518	7.383465	6.985273	7.245564	7.130587	7.36079	7.095176	7.128154	7.096244	7.190838	6.97766	7.061336
TGOLN2	TGOLN2	9.507299	9.676184	9.464911	9.393492	9.211512	9.025783	8.88529	9.192983	9.201898	9.185222	9.600088	9.310361
TH	TH	6.819741	7.007897	6.766835	6.986861	7.021926	6.957938	6.738427	6.897516	6.84946	6.89695	6.700019	6.75336
TH1L	TH1L	9.989674	10.40287	10.19088	10.63405	10.45319	10.26047	9.806383	9.758364	9.602625	9.744387	9.802763	9.794878
THADA	THADA	7.52617	7.933227	7.590791	7.752137	7.518577	7.648145	7.345315	7.570053	7.481982	7.460224	7.444683	7.561014
THAP1	THAP1	8.159664	8.340245	8.072457	7.938716	7.910772	8.540214	7.984709	8.175693	8.24995	8.135776	8.157202	8.064016
THAP10	THAP10	8.7706	9.199564	8.426062	8.539244	8.452973	9.433755	8.984559	9.005624	8.869204	9.090391	8.685456	8.695836
THAP11	THAP11	11.01106	11.02009	10.25516	10.22602	10.58304	10.64077	10.34288	10.51542	10.38538	10.28089	10.18874	10.15972
THAP2	THAP2	6.929106	7.099827	6.829773	7.122039	7.061032	7.246684	7.083258	7.060796	7.094263	7.138955	6.973433	6.963147
THAP3	THAP3	7.108489	7.202945	6.897546	7.057702	7.049898	7.183221	6.949197	7.103897	7.039683	7.070504	7.030505	7.048464
THAP4	THAP4	7.441072	7.475703	7.17696	7.33272	7.240765	7.368734	7.141425	7.35566	7.241232	7.324879	7.268213	7.157314
THAP5	THAP5	6.92299	7.067605	6.807766	6.977985	6.940537	6.902472	6.86151	6.907526	6.910522	6.90388	6.751641	6.827996
THAP6	THAP6	7.464931	7.637553	7.506816	7.535271	7.722244	8.018572	7.914948	7.952666	7.87495	8.095436	7.77208	7.974643
THAP7	THAP7	7.377984	7.623284	7.21232	7.52068	7.503801	7.73188	7.622842	7.56603	7.486899	7.719126	7.385132	7.520261
THAP8	THAP8	6.954136	7.221292	6.937165	7.217952	6.999552	7.194985	6.947834	7.119439	7.084369	7.008617	6.924312	6.963936
THAP9	THAP9	7.126363	7.551739	7.344904	7.401866	7.137623	7.31767	7.196544	7.310348	7.240864	7.258665	7.025657	7.08079
THBD	THBD	6.892811	7.099711	6.865507	7.01432	7.444327	7.107937	6.948173	7.050198	7.241855	7.149542	7.094897	6.973304
THBS1	THBS1	8.166523	8.717045	8.315402	10.39309	9.082328	10.44594	10.03018	11.28366	10.58548	10.86644	12.41537	12.21807
THBS2	THBS2	9.505945	9.288049	7.524335	7.041392	6.844813	7.549033	7.954249	8.704337	9.627719	9.312013	10.38269	10.36381
THBS3	THBS3	6.987785	7.409754	7.566859	8.820652	8.297123	7.840901	8.055612	7.891607	8.29238	7.852454	7.905711	8.072753
THBS4	THBS4	8.925607	8.783668	7.657655	8.192426	8.311601	8.860334	9.68262	10.00609	9.394837	9.975936	9.48558	8.433198
THEDC1	THEDC1	6.801471	7.125867	6.913051	7.060255	6.880766	7.06935	6.870147	6.968427	6.948468	6.934779	6.845167	6.869231
THEG	THEG	6.981437	7.112359	6.848783	7.031024	6.997338	7.088855	6.967748	6.997715	6.891877	7.064644	6.841107	6.898014
THEM2	THEM2	11.27598	11.91988	10.65122	10.35019	10.57655	11.64414	11.20813	11.39924	11.37338	11.3935	11.36952	10.51094

THEM4	THEM4	7.170147	7.338839	7.006445	7.290034	7.17544	7.376302	7.348682	7.408876	7.344159	7.188275	6.98099	7.072662
THEM5	THEM5	6.817499	7.054031	6.750615	7.01509	6.894858	6.98575	6.769162	6.906344	6.88765	6.956639	6.834231	6.828623
THEX1	THEX1	6.986995	7.471643	7.117794	7.36493	7.195259	7.086431	6.972399	6.951186	7.057298	7.046487	6.876778	7.027838
THG1L	THG1L	7.720074	8.010867	7.593175	7.814752	7.977094	7.932628	7.795984	7.891065	7.898306	7.607357	7.592181	7.600266
THH	THH	7.089652	7.289487	7.101385	7.172489	7.061638	7.119218	7.014859	7.038491	7.000318	7.072934	6.781784	6.796634
THNSL1	THNSL1	7.968333	8.503363	7.866374	7.955099	7.915356	8.124767	7.798057	7.953179	7.655205	7.660883	7.462565	7.643691
THOC1	THOC1	10.29666	10.66165	10.17208	10.19889	9.958344	10.29839	9.467144	9.27764	9.446222	9.225048	8.513998	8.725204
THOC2	THOC2	9.058733	9.518889	9.09361	9.242014	9.065965	9.551747	8.935181	8.660847	8.922245	8.499211	8.072083	8.574913
THOC3	THOC3	10.74562	11.18994	10.56801	10.57811	10.2499	10.37516	9.763488	9.672626	9.701212	9.464154	9.30664	9.22693
THOC4	THOC4	10.07379	10.42337	9.779233	9.81964	9.450692	9.544097	9.021975	8.990695	8.890726	8.907034	8.868878	8.432747
THOC5	THOC5	9.837227	10.37463	10.06804	9.860684	9.411113	9.64557	9.218848	9.315464	9.094735	9.1148	8.878769	8.801285
THOP1	THOP1	9.622327	9.826492	9.073467	9.122625	8.837335	8.894077	8.595106	8.66114	8.582021	8.73084	8.992466	8.512693
THPO	THPO	6.971594	7.060328	6.90091	7.053318	6.955464	6.919818	6.923243	6.96101	6.942759	6.900154	6.725825	6.751328
THRA	THRA	7.044042	7.202053	7.058444	7.677266	7.968851	7.985411	7.696209	7.914985	7.904876	7.857123	7.833614	8.108798
THRAP1	THRAP1	6.935427	7.112042	6.807794	7.011652	7.018028	6.9528	6.847076	6.828259	6.94215	7.000672	6.750686	6.816886
THRAP2	THRAP2	7.187899	7.60405	7.277411	7.676918	7.719125	7.440382	7.446296	7.312035	7.419141	7.254113	7.16727	7.410071
THRAP3	THRAP3	8.055343	8.363399	8.03019	8.04552	7.832784	7.984024	7.663682	7.637693	7.583751	7.698636	7.384898	7.502171
THRAP4	THRAP4	8.928486	9.089572	8.536398	8.900907	8.721849	9.017786	8.643634	8.796061	8.641914	8.71089	8.670122	8.354787
THRAP5	THRAP5	9.321248	9.785006	9.223454	9.556317	9.372521	9.432661	9.098486	8.942567	9.161521	9.127071	8.873636	9.436396
THRAP6	THRAP6	9.727874	10.15637	9.819077	9.548693	9.743943	9.283573	8.999998	9.034952	9.25917	9.114337	9.012548	8.57035
THRB	THRB	6.812252	7.048431	6.757216	7.023812	6.996177	6.960597	6.886475	6.926177	6.833091	6.895595	6.66143	6.826793
THRSP	THRSP	6.688937	6.991585	6.880114	6.92168	6.876616	6.970853	6.898479	6.916269	6.765171	6.876949	6.689494	6.79772
THSD1	THSD1	6.849018	6.971046	6.831726	6.999965	6.969438	6.930087	6.86475	6.975808	6.857334	6.908455	6.829959	6.831999
THSD1P	THSD1P	7.050872	7.225478	6.987594	7.185948	7.188142	7.279987	7.073157	7.131107	7.098384	7.127491	6.982935	6.916053
THSD3	THSD3	6.928794	7.100297	6.845618	7.121965	6.988494	7.020773	6.858968	6.904959	6.872563	6.885666	6.783202	6.804858
THSD4	THSD4	7.152233	7.394793	6.942397	7.252191	7.105357	7.200857	7.113964	7.318509	7.219069	7.29075	7.145685	7.229569
THSD7B	THSD7B	6.780942	6.997654	6.713849	6.899324	6.732263	6.835094	6.841131	6.817937	6.752085	6.780505	6.69159	6.74373
THTPA	THTPA	6.993029	7.351975	6.925122	7.073351	7.08933	7.177189	7.238218	7.280375	7.254608	7.273108	7.27039	7.343019
THUMPD1	THUMPD1	9.205023	9.624806	9.386828	9.288079	8.836854	8.870071	8.51489	8.458609	8.572397	8.532602	8.335638	8.320891
THUMPD2	THUMPD2	9.034117	9.274437	8.682184	8.683625	8.579481	9.187017	8.281528	8.403479	8.476919	8.438915	8.114225	8.145536
THUMPD3	THUMPD3	8.01111	8.520669	7.812934	8.179294	7.905781	8.330098	7.849712	7.842232	7.806231	7.893174	7.479081	7.694014
THY1	THY1	11.02344	11.03938	9.058176	9.100061	8.668213	7.767829	8.294892	8.895581	9.071237	8.744907	9.633742	8.274155
THYN1	THYN1	10.65375	11.0613	9.678545	9.707759	9.586672	10.39514	9.677157	9.820744	9.878256	9.784319	9.423252	9.348091
TIA1	TIA1	9.840747	10.47354	10.23774	10.53991	10.44496	10.13801	9.782119	9.74899	9.819685	9.283721	9.160272	9.217534
TIAF1	TIAF1	9.194007	9.166999	8.330501	9.1048	9.821998	11.04081	11.03378	10.78597	10.54171	10.8207	9.934976	10.13059
TIAL1	TIAL1	9.278099	9.542458	8.904951	9.205252	9.030444	9.076304	8.767357	8.750715	8.875256	8.688999	8.751148	8.838309

TIAM1	TIAM1	7.468986	8.26711	8.060882	7.920417	7.553591	7.461765	7.053804	7.101782	7.224122	7.048095	7.00539	7.098271
TIAM2	TIAM2	7.859675	7.977367	7.57895	7.879803	7.687207	7.809201	7.650623	7.871153	7.556541	8.00331	7.534073	7.344978
TICAM1	TICAM1	7.094097	7.337011	7.00332	7.348818	7.304379	7.177207	7.111768	7.222607	7.292386	7.32189	7.702104	7.514972
TICAM2	TICAM2	7.753799	7.64898	7.463351	7.989687	7.986447	8.316226	7.949281	8.052101	7.984319	7.801146	8.165416	8.192867
TIE1	TIE1	7.0966	7.339483	7.01872	7.345904	7.224441	7.299813	7.069024	7.094579	7.135869	7.252822	7.077787	7.059806
TIFA	TIFA	7.000335	7.234403	6.993384	7.240049	7.14968	7.445016	7.050573	7.104055	7.279929	7.172808	6.944365	6.988765
TIFAB	TIFAB	6.882766	7.070302	6.824795	7.017318	6.903064	7.034961	6.796363	6.930331	6.886095	6.876404	6.793498	6.840219
TIGA1	TIGA1	11.90815	11.79387	11.1032	10.63331	11.30002	11.12925	10.84793	10.78823	11.07473	10.9435	10.87482	10.30253
TIGD1	TIGD1	7.087881	7.298788	7.076294	7.217799	7.138877	7.33748	6.95227	7.20505	7.029259	7.178972	6.963258	7.030978
TIGD2	TIGD2	8.211768	8.580698	8.752174	8.395599	8.39369	8.530629	7.937485	8.014741	7.860181	7.800471	7.466672	7.83745
TIGD3	TIGD3	6.948115	7.174385	6.92535	7.147896	7.002747	7.024761	6.954279	6.996051	6.910164	6.952352	6.868472	6.853078
TIGD4	TIGD4	6.810703	7.259735	6.927146	7.122897	6.911597	7.006677	6.872944	6.9192	6.850617	6.9129	6.749931	6.764678
TIGD5	TIGD5	8.881931	9.197937	8.919401	9.301909	9.340099	9.558902	8.785549	8.742743	8.759281	8.674155	8.496746	8.535861
TIGD6	TIGD6	6.986026	7.272429	7.024851	7.267599	7.153583	7.321577	7.039217	7.199592	7.121283	7.177431	7.040521	7.02434
TIGD7	TIGD7	8.580346	8.884959	7.973735	8.284005	8.287794	8.722208	8.305788	7.927559	8.146472	7.9254	7.705567	8.135354
TIMD4	TIMD4	6.778077	6.981964	6.729673	6.933402	6.863315	6.988141	6.8378	6.981027	6.823991	6.977966	6.585753	6.749228
TIMELESS	TIMELESS	11.00968	11.47503	10.74446	10.53143	9.845962	9.387704	9.165019	9.052773	8.824409	8.71448	8.055582	7.839971
TIMM10	TIMM10	10.05932	10.64434	10.02353	9.713902	9.716401	10.8257	10.03155	10.01892	10.11339	10.18769	10.14056	9.746177
TIMM13	TIMM13	6.895959	7.11864	6.900673	7.145887	6.981393	6.956342	6.818334	6.944029	6.870517	6.965391	6.828077	6.898671
TIMM17A	TIMM17A	7.120773	7.366909	7.117059	7.529249	7.505509	7.94836	7.526918	7.433416	7.399286	7.486839	7.443563	7.294999
TIMM17B	TIMM17B	8.564628	9.20683	8.88864	8.918424	9.011464	9.484188	9.335564	9.081936	9.097936	9.274851	8.96922	8.785325
TIMM22	TIMM22	9.907273	10.2623	9.711391	10.34896	10.47338	11.1674	10.64908	10.60212	10.52362	10.40555	9.882691	10.19414
TIMM23	TIMM23	11.63341	12.05271	11.64264	11.85152	11.73753	12.23337	11.64939	11.7309	11.71187	11.73048	11.66492	11.24474
TIMM44	TIMM44	8.809945	9.005873	8.17749	8.355654	8.168333	9.147839	8.446205	8.588001	8.356554	8.712075	8.744649	8.810402
TIMM50	TIMM50	6.854898	6.956385	6.74146	6.9617	6.87997	6.934473	6.833354	6.913913	6.877369	6.810042	6.813141	6.877009
TIMM8A	TIMM8A	8.704822	9.114828	8.102557	8.287496	7.912227	8.399492	8.141984	7.939974	8.093498	8.126753	7.887535	7.726313
TIMM8B	TIMM8B	7.961113	8.960711	8.425022	8.449892	8.369963	8.736413	8.769091	8.074581	8.668031	8.732326	8.437479	8.73092
TIMM9	TIMM9	9.043544	9.417551	8.761202	8.874197	9.020725	9.71441	9.305207	9.129343	9.251379	9.257699	9.157689	8.656849
TIMP1	TIMP1	10.46267	11.89578	10.97854	12.32905	12.1966	12.05311	13.28469	14.00472	13.91279	13.71285	14.34429	13.28408
TIMP2	TIMP2	8.762804	8.762478	8.263085	9.05939	8.94341	9.211801	9.25097	9.56043	9.672085	9.638926	10.55422	10.42603
TIMP3	TIMP3	6.961006	7.15913	7.363522	8.197403	8.434839	9.909616	9.56215	9.893047	9.706626	10.16768	10.32246	9.927295
TIMP4	TIMP4	7.793997	8.237996	7.115815	7.190646	6.927667	6.945205	6.961549	7.059709	6.952132	6.974505	6.795946	6.664581
TINAG	TINAG	6.937802	7.299718	6.78233	7.016169	6.950247	7.078744	6.92867	6.937339	6.857399	7.008697	6.756359	6.809973
TINAGL1	TINAGL1	6.813891	7.024716	6.615181	6.964648	6.811935	6.900857	6.795877	7.015499	6.955808	7.19219	7.032241	6.964445
TINF2	TINF2	9.219614	8.811626	8.98968	9.681528	9.444947	9.330337	9.260181	9.596082	9.35496	9.302114	9.220951	9.348284
TINP1	TINP1	11.71183	12.19075	11.74279	11.71794	11.92393	12.08305	11.48044	11.71857	11.87037	11.66967	11.77094	10.98647

TIP39	TIP39	7.377795	7.193556	6.926027	7.256439	7.116206	7.379766	7.399649	7.172742	7.031485	7.111889	6.790106	6.858937
TIPARP	TIPARP	8.697541	8.636737	10.54938	10.84504	10.61525	12.32935	11.543	11.48164	11.32035	11.3688	10.70221	10.74818
TIPRL	TIPRL	8.274915	8.974607	8.556699	8.845259	9.164499	10.10301	9.434731	9.347605	9.50878	9.363837	9.250309	8.998301
TIRAP	TIRAP	7.034723	7.241732	7.028031	7.258997	7.147718	7.328079	7.145611	7.196838	7.125999	7.233168	6.978689	7.031045
TITF1	TITF1	6.826564	6.992113	6.779885	6.993052	6.898917	6.778859	6.787759	6.902721	6.842674	6.856595	6.747488	6.770953
TJAP1	TJAP1	10.93313	11.16151	10.48301	10.83513	10.70217	10.65446	10.22711	10.1073	10.05163	10.06937	9.508892	9.732338
TJP1	TJP1	10.17718	10.72063	10.02719	10.92181	10.40642	11.12412	10.31351	10.36951	9.926429	9.978925	9.617005	9.883648
TJP2	TJP2	8.39626	8.952999	7.690116	7.933819	7.584364	8.31762	7.806914	7.848854	7.702254	7.888958	7.457506	7.769174
TJP3	TJP3	8.003131	8.308787	7.444571	7.576732	7.332109	7.059649	6.748108	6.884723	7.001671	6.884019	6.789328	6.880695
TK1	TK1	9.947321	10.25221	9.838013	9.819685	9.333908	9.079266	8.779529	9.03811	8.478637	8.888718	8.71475	7.584649
TK2	TK2	7.117792	7.356297	7.117251	7.31854	7.613809	7.670595	7.646532	7.68493	7.463965	7.443393	7.420789	7.419332
TKT	TKT	12.83958	13.00301	11.38399	11.22239	10.99101	9.783746	9.17471	9.408309	9.618337	9.424477	10.69592	10.47427
TKTL1	TKTL1	6.856209	7.031232	6.744417	6.987024	6.955722	6.94734	6.937845	6.963061	6.960335	7.0818	6.880141	7.067113
TKTL2	TKTL2	6.774483	6.968073	6.733684	6.91623	6.78678	6.837938	6.899473	6.815922	6.793209	6.810831	6.773913	6.727379
TLCD1	TLCD1	8.882657	9.146573	8.086356	7.741499	7.468393	7.386351	7.20362	7.361511	7.318939	7.255953	7.357238	7.178194
TLE1	TLE1	9.126664	9.415953	8.085041	8.482408	8.533498	7.52449	7.189632	7.368194	7.488848	7.27216	7.26595	7.324999
TLE2	TLE2	7.564911	7.632683	7.266176	8.065287	8.264039	8.606883	8.443562	8.579085	8.389385	8.253408	7.907652	8.04994
TLE3	TLE3	7.305319	7.917819	7.689416	8.196413	7.465178	7.24491	7.082575	7.239004	7.28128	7.250008	7.202138	7.128052
TLE4	TLE4	8.751297	8.920828	8.636795	9.20948	9.426731	8.571016	7.619495	7.755059	7.981836	7.524877	7.560407	7.691659
TLE6	TLE6	7.477758	7.445613	7.278212	7.803967	8.413646	9.417057	8.727638	8.388882	8.447489	8.433411	7.744678	8.375821
TLK1	TLK1	8.96193	9.216952	8.916947	8.683481	8.678589	8.555749	8.010852	7.922312	8.115873	7.996466	7.796115	7.80592
TLK2	TLK2	9.027254	9.457751	9.381242	9.432603	9.060403	9.3645	8.752702	8.926405	8.594959	8.860937	8.858976	8.66354
TLL1	TLL1	6.79966	7.05691	6.939496	7.120089	7.154341	6.992901	6.89855	6.893865	6.889878	6.907127	6.676588	6.88921
TLL2	TLL2	6.873419	7.142522	6.762166	7.009611	6.924131	6.864913	6.816409	6.917707	6.835618	6.964168	6.762001	6.858785
TLN1	TLN1	9.100129	9.307507	8.773581	9.314666	9.535617	9.920565	9.947766	9.848205	9.931185	9.852371	9.738956	10.01549
TLN2	TLN2	8.196035	8.689088	8.594465	9.987245	9.901817	8.623139	8.145573	8.318078	8.207931	8.276112	8.2055	8.518903
TLOC1	TLOC1	8.087974	7.930074	7.907094	8.332259	8.505668	8.567094	7.981916	7.924761	8.050591	7.808878	7.676215	7.583988
TLR1	TLR1	6.975269	7.187138	6.831411	7.16197	7.038302	7.125939	6.948317	6.926658	6.950316	6.991753	6.856774	6.910363
TLR10	TLR10	6.894385	7.056197	6.801638	7.068924	6.939392	7.004525	6.860989	6.938333	6.896557	6.940166	6.849498	6.827665
TLR2	TLR2	6.73179	6.926237	6.822851	6.910404	6.878418	6.925423	6.784132	6.955883	6.802391	6.93259	6.748203	6.769725
TLR3	TLR3	6.921829	7.123198	6.803361	7.047085	6.920414	6.993851	6.921552	6.935873	6.902904	6.997152	6.835734	6.948353
TLR4	TLR4	6.720414	7.011765	6.763823	7.093102	6.865285	6.990813	6.776012	6.942207	6.988323	6.981844	7.160397	7.036444
TLR5	TLR5	6.918422	7.010512	6.761863	7.04253	6.969152	7.102912	6.992236	7.159825	7.099266	6.970558	6.733739	6.808973
TLR6	TLR6	6.901952	7.140767	6.750597	7.066485	6.83156	7.014904	6.857406	7.007038	6.902434	6.881783	6.797313	6.993649
TLR7	TLR7	6.841112	7.1047	6.858507	7.078212	6.946385	6.933009	6.883349	6.863088	6.952146	6.938134	6.713638	6.801368
TLR8	TLR8	6.8345	7.025984	6.787806	6.988769	6.908376	6.902501	6.895462	6.861342	6.854361	6.907032	6.723786	6.779213

TLR9	TLR9	6.938956	7.019022	6.682405	6.939835	6.999678	6.966602	6.893883	6.947734	6.865466	6.85823	6.731652	6.794061
TLX1	TLX1	6.868137	7.013373	6.824859	6.926447	6.949951	6.885811	6.911401	7.054071	6.958714	7.009608	6.771205	6.90584
TLX2	TLX2	6.852185	7.092352	6.840354	6.978254	6.850808	6.95399	6.900855	6.930344	6.861301	6.925282	6.721435	6.88291
TLX3	TLX3	6.932694	6.984285	6.723832	6.975096	6.873724	7.027782	6.895565	6.836239	6.856232	7.071049	6.913796	6.79677
TM2D1	TM2D1	9.575729	9.773164	9.325368	10.00339	10.34273	11.39145	11.17062	11.11864	11.42978	11.26343	11.11522	11.08348
TM2D2	TM2D2	7.914964	8.220075	7.769652	8.31804	8.241578	8.445664	8.271769	8.541751	8.271306	8.32077	8.466613	8.270628
TM2D3	TM2D3	9.237143	9.501204	9.085219	9.418479	9.50079	10.0622	9.736484	9.881091	10.02534	9.906315	9.8449	9.773373
TM4SF1	TM4SF1	7.403093	7.875658	7.366484	9.010302	9.500451	9.963741	10.59302	11.33418	11.51617	11.07458	12.37239	11.90459
TM4SF11	TM4SF11	7.382089	7.561676	7.482258	7.82738	8.071968	7.176295	7.18291	7.29282	7.185388	7.080443	7.054391	6.961384
TM4SF18	TM4SF18	9.082633	8.951436	7.77619	7.636423	7.32472	7.014883	6.838245	6.982915	6.878676	6.885675	6.80653	6.809535
TM4SF19	TM4SF19	6.859158	7.034333	6.764245	7.016067	6.915986	7.006432	6.862089	6.937658	6.906434	6.851688	6.771346	6.789899
TM4SF20	TM4SF20	6.86256	6.96592	6.763371	7.019571	6.844816	6.828015	6.877303	6.806617	6.861485	6.749421	6.762711	6.868021
TM4SF4	TM4SF4	6.821297	6.934022	6.760862	7.020768	7.236744	6.931387	6.859092	6.879186	6.950899	6.89027	6.828113	6.964584
TM4SF5	TM4SF5	6.84724	7.019928	6.829327	6.939762	6.780168	6.851236	6.76945	6.86197	6.747494	6.774509	6.593424	6.844847
TM6SF1	TM6SF1	7.220751	7.461508	7.155957	7.424138	7.109768	7.674443	7.623958	7.840882	7.901921	7.809216	7.61237	7.425497
TM6SF2	TM6SF2	7.090036	7.252051	6.952769	7.296135	7.045249	7.147003	7.011427	7.105321	7.004587	7.051247	6.946932	6.845716
TM7SF2	TM7SF2	9.75669	9.898524	9.500012	10.16668	9.94324	9.612603	9.657455	9.788323	9.575047	9.608233	9.238024	8.639956
TM7SF3	TM7SF3	9.113731	9.13184	7.940243	8.583605	8.292133	8.933219	8.267287	8.436719	8.364768	8.474579	8.530171	8.609313
TM7SF4	TM7SF4	6.887321	7.087596	6.888334	6.982925	6.798072	6.953674	6.937557	7.013055	6.958796	6.976732	6.756252	6.880097
TM9SF1	TM9SF1	7.824925	8.138628	7.773706	8.154456	8.10039	8.184847	7.972971	8.180224	8.08457	8.017477	8.189269	8.024981
TM9SF2	TM9SF2	11.42622	11.78807	11.29733	11.5922	11.25875	11.3907	11.06123	11.14342	11.08755	10.83906	11.07059	11.29457
TM9SF4	TM9SF4	9.838941	10.24534	9.835857	10.29472	10.27831	10.11109	9.867705	10.02726	9.735302	9.8709	10.05137	9.373724
TMBIM1	TMBIM1	7.150789	7.302614	7.040423	7.217313	7.277124	7.287071	7.342605	7.202723	7.196059	7.410705	7.38152	7.410214
TMBIM4	TMBIM4	10.75477	11.67007	11.089	10.94423	11.26543	11.70086	11.48417	11.63384	11.69672	11.75679	11.67639	10.98555
TMC1	TMC1	6.949816	7.066125	6.92912	7.074762	6.927474	6.9891	6.879178	6.94716	6.841144	6.997773	6.749855	7.058689
TMC2	TMC2	6.873629	7.041791	6.835655	6.996532	6.874481	7.111912	6.974594	7.032168	6.874664	6.91832	6.79095	6.833366
TMC3	TMC3	6.953704	7.218881	6.791202	7.212157	7.121552	7.122895	7.000245	6.963195	7.047691	7.056912	6.945486	6.926403
TMC4	TMC4	7.004149	7.15236	6.913321	7.145452	7.104347	7.005732	6.857242	7.017514	7.024353	7.004852	6.813223	6.732382
TMC5	TMC5	6.970108	7.178147	6.808398	7.158536	6.982945	7.024811	7.04243	7.024604	6.928027	7.099074	6.871369	6.917354
TMC6	TMC6	8.36868	8.423386	9.050275	8.650245	8.233655	8.479624	8.320083	8.411359	7.935392	8.140035	7.842151	7.930646
TMC7	TMC7	7.181804	7.415773	7.249813	7.442368	7.131495	7.339769	7.08583	7.186945	7.059671	7.146971	7.061433	7.081024
TMC8	TMC8	6.875099	7.076282	6.890316	7.140676	6.981585	6.865125	6.954942	6.907537	6.998006	7.127367	6.795188	6.919677
TMCC1	TMCC1	7.169825	7.561465	7.139755	7.372221	7.39867	7.570556	7.392433	7.44107	7.468401	7.323237	7.086913	7.265068
TMCC2	TMCC2	6.942725	7.329486	6.971635	7.078012	6.975909	7.216264	6.87906	6.997863	7.035531	6.991406	6.916202	6.946257
TMCC3	TMCC3	6.913404	7.046365	6.911895	7.094536	7.016315	7.039602	6.880531	7.013203	6.937849	6.999165	6.853106	6.878167
TMCO1	TMCO1	11.32504	11.86034	11.6316	12.06563	11.80391	12.58025	11.86055	12.08084	12.08224	11.98019	11.96368	11.88736

TMCO2	TMCO2	6.854025	6.993371	6.719671	6.974234	6.943581	6.823541	6.798733	7.005863	6.950219	6.753451	6.799784	6.875208
TMCO3	TMCO3	9.201253	9.661456	9.217357	9.757276	10.08719	10.4601	9.735987	10.01191	9.771833	9.705059	10.37495	9.915338
TMCO4	TMCO4	7.459168	7.416782	7.268825	7.42235	7.333228	7.358844	7.210904	7.504271	7.368252	7.340199	7.166553	7.283081
TMCO5	TMCO5	6.920385	7.231138	6.79387	7.089172	6.975638	7.094392	7.026266	6.954427	6.968375	6.976088	6.77175	7.044784
TMCO6	TMCO6	7.810473	8.163407	7.768875	7.677363	7.450496	7.499274	7.386503	7.354718	7.433124	7.313067	7.18183	7.174338
TMDCII	TMDCII	6.90385	6.909008	6.730514	6.93351	6.911847	6.903795	6.892331	6.781408	6.819012	6.858694	6.878357	6.846717
TMED1	TMED1	9.518535	9.962201	9.856591	10.03921	10.18613	10.59408	10.47492	9.98513	10.4478	10.50722	10.06306	10.76953
TMED10	TMED10	9.22147	9.012637	9.142375	9.699938	9.51709	9.649527	9.285528	9.503111	9.101918	9.310001	9.805336	9.499923
TMED10P	TMED10P	11.28463	11.85611	11.81785	11.96875	11.86958	12.15056	11.94768	12.02399	12.13229	12.0342	12.34321	11.9319
TMED2	TMED2	10.72927	10.93561	10.60397	10.86376	10.68392	10.97262	10.41834	10.57581	10.55382	10.65623	10.91482	10.90354
TMED3	TMED3	12.05848	12.18854	11.85574	12.26897	12.49867	12.62023	12.43775	12.39749	12.61142	12.32495	12.61334	12.66455
TMED4	TMED4	9.277544	9.835076	9.498741	10.04885	10.16261	10.63918	10.21738	10.34043	10.26627	10.25514	10.21008	10.54365
TMED5	TMED5	9.232931	9.641268	9.524565	9.870836	9.837467	10.23438	9.802302	10.17198	9.928207	10.0431	10.3276	9.782876
TMED6	TMED6	6.863063	7.081165	6.791104	6.986302	6.976286	6.986017	6.877745	6.953299	6.784682	6.858639	6.82712	6.785171
TMED7	TMED7	9.760976	10.11538	9.945004	10.53664	10.54054	10.53872	10.21979	10.14504	10.23179	10.02771	10.23895	10.19443
TMED8	TMED8	6.881682	7.063672	6.73282	7.065946	6.902453	7.095077	6.84287	7.071286	6.848007	6.933092	6.760276	6.762627
TMED9	TMED9	10.65573	11.36863	10.58333	11.00301	11.07979	11.47112	10.82816	10.89361	10.82119	10.99794	11.77373	11.79828
TMEFF1	TMEFF1	8.24857	8.816935	8.354375	8.554679	7.948641	7.582104	7.418588	7.395644	7.435585	7.167013	7.264163	7.223001
TMEFF2	TMEFF2	7.673662	7.307461	7.587598	7.13287	7.203507	7.377384	7.13	7.355211	8.222806	7.444469	7.135004	7.12266
TMEM1	TMEM1	7.453532	7.727059	7.36816	7.645051	7.542433	7.677661	7.537678	7.40789	7.484814	7.482426	7.341797	7.393283
TMEM10	TMEM10	6.822261	7.000081	6.710009	6.934912	6.874291	6.928267	6.807236	6.896832	6.878115	6.880836	6.748235	6.792124
TMEM100	TMEM100	7.066329	7.316907	7.054964	8.129771	8.304914	7.551824	7.122507	7.505851	8.306753	7.154844	7.049265	7.102298
TMEM101	TMEM101	9.324054	9.324233	8.977286	9.22846	9.629508	9.583501	9.380089	9.701471	9.49093	9.70151	9.632999	9.591408
TMEM102	TMEM102	7.025805	7.071043	6.758377	7.055305	6.969863	6.98558	6.882967	6.913684	6.934102	6.957423	6.808455	6.90597
TMEM103	TMEM103	9.604763	10.00622	9.406255	9.42775	9.380177	10.08096	9.680344	9.54607	9.637316	9.496597	8.844203	9.068033
TMEM104	TMEM104	7.246277	7.2661	7.047825	7.425646	7.229562	7.366384	7.102286	7.174299	7.005313	7.109274	7.266392	7.11702
TMEM105	TMEM105	7.001549	7.027378	6.784213	7.062861	6.942572	7.034104	6.868933	6.930231	7.008869	6.874965	6.873732	6.894689
TMEM106A	TMEM106A	6.879872	7.05785	6.807809	7.031929	6.984597	6.980537	6.971473	6.962888	6.932576	6.893705	6.898353	6.794013
TMEM106B	TMEM106B	7.931184	8.281446	8.289914	8.943346	8.933199	9.350741	8.994652	9.069779	8.932293	8.916018	8.554651	9.011039
TMEM106C	TMEM106C	9.885256	9.120065	8.756821	10.01916	10.17209	11.60486	11.47718	11.05849	11.4616	11.33296	10.64965	11.11678
TMEM107	TMEM107	7.481597	7.734285	7.581853	7.770367	7.971649	7.983356	7.949537	7.826746	8.032895	7.784923	7.618101	7.654579
TMEM108	TMEM108	8.455155	8.361492	7.614604	7.521426	7.53832	7.309338	7.15164	7.287557	7.815965	7.387932	7.31954	7.116652
TMEM109	TMEM109	9.177183	9.291979	9.237675	9.813579	9.648355	9.891471	9.801428	10.28418	9.961932	10.24212	10.37459	10.09142
TMEM11	TMEM11	7.953857	8.543831	7.918601	8.021088	7.985959	8.849575	8.335224	8.305504	8.106748	8.340736	8.53373	8.423932
TMEM110	TMEM110	7.085062	7.502588	7.094804	7.149045	7.085873	7.142915	6.904342	6.986144	7.1256	7.109441	7.013422	6.876172
TMEM113	TMEM113	10.17144	10.5766	9.871217	10.41182	10.48781	10.67995	10.27834	10.2475	10.33404	10.16543	10.19117	10.30534

TMEM115	TMEM115	9.490666	9.849808	9.297527	10.03735	10.02547	10.35406	10.06265	9.892036	9.974974	9.887067	9.622093	10.067
TMEM116	TMEM116	8.320357	8.990483	8.412437	8.472633	8.714566	9.830658	9.435008	9.425255	9.432867	9.257528	9.042063	9.138953
TMEM117	TMEM117	7.175848	7.307896	6.88645	7.532304	7.864017	8.761053	8.521394	8.507114	8.686726	8.448897	8.115782	8.476422
TMEM118	TMEM118	9.833469	9.705049	8.892924	9.238574	9.045686	8.841401	8.411271	8.299269	8.464154	8.122959	7.900384	7.95138
TMEM119	TMEM119	6.778653	6.885392	6.798452	7.583811	7.355301	6.977687	6.886612	7.238741	8.361032	7.576464	6.675849	6.883885
TMEM121	TMEM121	6.839976	6.998703	6.762131	6.999902	6.907371	6.890966	6.828664	7.015103	6.830479	6.861265	6.796905	6.735031
TMEM122	TMEM122	6.942181	7.06651	6.832095	7.021042	6.922636	6.899362	6.866587	6.943332	6.866084	6.920952	6.691083	6.888109
TMEM123	TMEM123	10.85212	10.79104	11.84217	11.95466	11.56509	11.38773	10.78225	10.96472	10.6241	10.574	10.43137	10.44983
TMEM125	TMEM125	9.102953	9.625831	7.761384	7.762581	7.47995	7.238378	7.080986	7.246197	7.090676	7.138079	6.824282	6.848542
TMEM126A	TMEM126A	10.93718	11.32922	10.58728	10.63074	11.04137	11.74798	11.20471	11.40374	11.51174	11.4539	11.43691	11.0372
TMEM126B	TMEM126B	11.53938	11.91427	11.07741	10.9993	10.89659	12.04836	11.68796	11.71783	11.88394	11.92652	11.62082	11.44452
TMEM127	TMEM127	7.609905	7.754418	7.481325	7.904954	7.885144	8.252319	7.965811	7.904311	7.867639	7.767817	7.692608	7.957214
TMEM128	TMEM128	7.264627	7.739181	7.640044	7.713729	7.628194	7.739355	7.70071	7.556707	7.782355	7.595721	7.591079	7.449184
TMEM129	TMEM129	7.104579	7.393951	7.028925	7.219446	7.364283	7.822528	7.663427	7.603157	7.526474	7.640313	7.553439	7.573036
TMEM130	TMEM130	6.959756	7.27067	6.73812	7.011515	6.921162	6.980283	6.857844	6.903373	7.124475	6.933375	6.800585	6.840401
TMEM132A	TMEM132A	8.238189	8.344271	7.926406	8.735491	8.515202	8.681514	8.305702	8.639238	8.456168	8.383151	8.729509	7.88545
TMEM134	TMEM134	8.726091	9.100508	8.735378	8.994104	9.211042	9.708441	9.359623	9.470666	9.523979	9.71973	9.830766	9.484727
TMEM14A	TMEM14A	9.052438	9.494882	9.109004	9.020126	9.787883	9.674228	9.283309	9.353115	9.678772	9.00444	9.642658	8.903109
TMEM14B	TMEM14B	11.26903	12.09552	11.22036	12.09895	12.10471	12.817	12.48307	12.24522	12.50383	12.39885	11.8118	11.82483
TMEM14C	TMEM14C	12.32165	12.90375	12.20163	12.69598	12.81924	13.52334	13.01184	12.99367	13.02624	13.00201	12.76459	12.58738
TMEM15	TMEM15	8.607378	9.22328	8.79828	8.931567	8.824552	9.408905	8.764676	9.021568	8.755102	8.926833	8.96007	8.63264
TMEM150	TMEM150	9.657463	10.19928	9.625627	9.72749	9.38228	9.591212	9.217645	9.007373	9.271203	9.081494	8.843614	8.905428
TMEM151	TMEM151	6.873195	7.148777	6.732831	6.947083	7.192951	6.880274	6.894812	6.971683	6.955124	6.831889	6.756825	6.784759
TMEM154	TMEM154	7.112989	7.905754	7.784083	7.523069	7.085052	6.961918	6.893746	6.978043	7.046414	7.010993	7.002678	7.035233
TMEM156	TMEM156	7.119416	7.369829	7.184242	7.283161	7.300888	7.279853	7.331009	7.125028	7.264697	7.248342	7.124349	7.380541
TMEM157	TMEM157	7.289331	7.620862	7.253161	7.650738	8.004486	8.916325	8.514621	8.733104	8.703331	8.802625	9.085453	8.790348
TMEM159	TMEM159	8.405495	8.27232	7.708716	7.777746	7.713135	7.834257	7.576363	7.766893	7.836294	8.21521	8.174389	9.054747
TMEM164	TMEM164	6.971123	7.257191	6.931413	7.24914	7.120972	7.280634	7.156467	7.175081	7.148939	7.495425	7.327831	7.472671
TMEM16A	TMEM16A	7.370193	7.54973	7.311199	8.422156	7.726987	7.717138	7.404591	7.278043	7.277024	7.35584	7.259166	7.184639
TMEM16B	TMEM16B	7.254229	7.504473	7.125551	7.213024	7.212246	7.041212	6.924979	7.019147	7.054456	6.994406	6.834684	6.948241
TMEM16C	TMEM16C	6.791495	7.086516	6.790561	6.995455	6.776534	6.934569	6.737539	6.900739	6.767385	6.924472	6.830694	6.850348
TMEM16D	TMEM16D	6.995345	7.299093	7.164229	7.426098	7.210296	7.647779	7.769214	8.114367	7.740583	7.703077	7.406577	7.071394
TMEM16E	TMEM16E	6.86003	7.100195	6.755175	7.043392	7.026324	7.206378	6.968395	7.089801	6.943245	7.010032	6.922616	7.049534
TMEM16F	TMEM16F	9.272335	9.081658	9.379538	10.13075	9.68785	9.604854	9.406887	9.487182	9.400562	9.508038	9.6468	9.327781
TMEM16G	TMEM16G	7.110333	7.295181	6.937669	7.263983	7.132929	7.196172	7.04792	7.171668	7.011777	7.177067	6.845175	6.9806
TMEM16H	TMEM16H	7.68629	7.794288	7.365658	7.567569	7.416507	7.41807	7.368323	7.655377	7.514098	7.568234	7.427877	7.198503

TMEM16J	TMEM16J	7.104524	7.3259	6.919149	7.161656	7.039623	7.055429	6.945464	6.970018	6.985425	6.970082	6.835791	6.857494
TMEM16K	TMEM16K	9.065753	8.868806	8.207508	8.130731	7.774946	7.359966	7.35975	7.517887	7.523838	7.354357	7.843895	7.656349
TMEM17	TMEM17	10.22993	10.91152	10.63236	11.03064	11.19771	11.08706	11.05386	10.74044	10.69024	10.61355	10.41159	10.58407
TMEM170	TMEM170	8.419776	8.977272	8.2099	8.42219	8.279511	8.408135	8.261161	8.198929	8.336877	8.28988	8.160926	8.173364
TMEM173	TMEM173	6.794487	7.175662	6.84628	6.971834	7.375211	9.802875	10.24224	10.80685	10.68862	11.08531	11.1491	10.79393
TMEM176E	TMEM176E	6.938374	7.099522	6.854086	6.897768	6.886013	6.991226	7.403451	7.784151	7.672953	8.392412	8.745064	8.633119
TMEM178	TMEM178	8.601998	8.076969	7.379874	7.706447	8.846568	10.17935	9.833605	10.11345	9.478416	9.691299	8.716383	8.225306
TMEM18	TMEM18	7.818941	7.685329	7.669703	7.736106	7.963397	8.213166	7.904088	7.905897	7.615214	7.76052	7.487446	7.439527
TMEM183E	TMEM183E	12.1731	12.47537	12.19591	11.96849	11.64179	12.16609	11.49306	11.41789	11.4425	11.27603	11.38355	11.26078
TMEM185A	TMEM185A	8.548463	8.659025	9.432864	9.850731	9.723562	9.907554	9.356848	9.594709	9.241096	9.455319	9.206045	8.896269
TMEM185B	TMEM185B	7.908938	8.491568	8.173469	8.430427	8.543921	9.225202	8.713197	8.974541	8.64781	8.947752	8.965867	8.794951
TMEM186	TMEM186	7.577149	7.700534	7.331866	7.444092	7.562222	7.741631	7.582298	7.516236	7.652399	7.603608	7.383825	7.662818
TMEM19	TMEM19	6.966525	7.0221	6.801351	7.177551	7.055358	7.361529	7.410529	7.319307	7.307942	7.363108	7.073383	7.198069
TMEM2	TMEM2	9.69784	10.57659	9.90449	11.3005	9.869044	11.03905	9.838169	9.541588	9.082879	8.591977	8.700787	8.621822
TMEM20	TMEM20	7.58802	8.139897	8.210899	8.19105	8.046385	7.75851	7.466476	7.562674	7.451129	7.446408	7.491166	7.273941
TMEM22	TMEM22	7.851714	8.317907	7.47056	7.755119	7.345931	7.752278	7.449612	7.539827	7.518115	7.524674	7.674552	7.545732
TMEM23	TMEM23	7.141115	7.42034	6.86282	7.223786	7.605634	7.487873	7.090304	7.26947	7.07237	7.207753	7.279783	7.219584
TMEM24	TMEM24	6.922983	7.100051	6.795724	7.127684	7.080477	7.133581	7.02556	7.164834	7.178305	7.134442	7.122205	7.160362
TMEM25	TMEM25	6.864475	7.181899	6.856429	7.140243	7.114926	7.202241	7.071102	7.034566	7.107318	6.982621	7.070883	6.978669
TMEM26	TMEM26	7.349468	7.251078	6.943624	7.18635	7.12515	7.265701	7.551038	7.596733	7.551836	7.41765	7.220693	7.190933
TMEM27	TMEM27	7.430129	7.504943	8.987255	8.392526	7.524597	7.812202	7.224444	7.310592	7.202573	7.239967	7.015006	7.053388
TMEM28	TMEM28	7.199111	7.324843	6.990193	7.322699	7.185728	7.103076	7.099627	7.068346	7.100088	7.103566	7.03642	7.193352
TMEM29	TMEM29	8.50094	8.774669	8.460125	8.900341	9.124306	9.07983	8.714483	8.732487	8.676425	8.458971	8.500113	8.019696
TMEM30A	TMEM30A	8.970958	9.090432	8.440258	9.274838	9.257085	9.082989	9.122224	8.767939	9.310844	8.983048	9.063088	9.597023
TMEM30B	TMEM30B	9.875005	9.873288	8.2961	7.566677	7.212178	7.028288	6.86435	6.920366	6.925268	6.858584	6.834986	6.845088
TMEM31	TMEM31	7.232609	7.364353	7.352223	7.610609	7.567033	7.740545	7.093637	7.038436	7.151115	7.035997	6.913464	7.009003
TMEM32	TMEM32	10.88722	11.24794	10.93556	11.2619	11.15371	11.53563	11.05292	11.37842	11.02586	11.37548	11.41564	11.08665
TMEM33	TMEM33	8.901004	9.442921	8.798095	8.884283	8.597747	8.643317	8.28972	8.163459	8.418096	8.21876	7.955682	8.074004
TMEM34	TMEM34	7.149432	7.537954	7.1747	7.485945	7.396714	7.436893	7.361222	7.26317	7.467265	7.414898	7.280871	7.366583
TMEM35	TMEM35	7.413293	7.803856	7.341064	7.639505	7.966262	7.5504	7.400924	7.332591	7.774821	7.215938	7.180477	7.204216
TMEM37	TMEM37	7.375054	7.470918	7.315357	7.367745	7.532172	7.092026	7.086464	7.052072	6.945816	7.068402	6.895811	6.822138
TMEM38A	TMEM38A	7.10379	7.403225	6.765848	7.139149	7.324637	8.364882	8.042747	7.915314	7.953546	7.789788	7.436896	7.77385
TMEM38B	TMEM38B	8.011383	8.301079	8.102754	8.451303	8.315043	9.089765	8.441247	8.715431	8.74148	8.756927	8.62014	8.790798
TMEM39A	TMEM39A	7.96766	8.363109	8.066273	8.849368	8.725252	8.539621	8.196343	8.404319	8.211193	8.025018	8.238843	8.117133
TMEM39B	TMEM39B	8.713766	9.077094	8.98574	8.824714	8.827356	8.507729	8.166791	8.478366	8.218609	8.249748	8.277045	7.717509
TMEM4	TMEM4	10.59003	11.4399	10.86346	10.96685	10.71326	10.13377	10.1592	10.04752	10.41305	10.1966	10.37569	9.871735

TMEM40	TMEM40	6.892785	7.109019	6.827444	7.07308	7.032049	7.122766	7.096816	7.362028	7.357057	7.50928	7.479976	7.304143
TMEM41A	TMEM41A	8.123399	8.515083	7.710688	8.324472	8.39898	9.399444	9.012338	8.931026	8.524885	8.549328	8.561169	8.314291
TMEM41B	TMEM41B	11.00905	11.43852	11.00379	11.48989	11.32573	12.02466	11.51658	11.46378	11.42948	11.36827	10.43746	11.05446
TMEM42	TMEM42	8.826478	9.123857	8.527981	8.420296	8.581915	9.313527	8.849299	8.872969	8.874581	8.940802	8.780707	8.662846
TMEM43	TMEM43	9.648353	10.4973	10.18939	10.12539	10.25382	9.81158	9.469015	10.00255	9.830168	9.737034	10.46372	9.773487
TMEM44	TMEM44	7.962977	8.058603	7.866162	8.00603	7.837782	8.103744	8.150387	7.665594	7.968556	7.900365	7.512931	8.146111
TMEM45A	TMEM45A	8.418254	8.417104	7.93916	8.789532	9.64573	8.986374	8.551969	8.543224	8.787535	8.549775	9.00709	9.259423
TMEM45B	TMEM45B	6.997926	7.102409	6.929589	7.095943	7.012654	7.067964	6.881315	7.061761	7.103821	7.085757	6.701756	7.019499
TMEM46	TMEM46	9.77363	9.472101	9.172567	11.42685	10.38021	9.250033	9.0783	8.621686	8.996456	7.957695	7.615019	7.814514
TMEM47	TMEM47	10.44999	10.63437	9.573197	11.27652	11.50947	11.83387	11.49707	11.17762	11.44356	10.98211	10.537	10.73213
TMEM48	TMEM48	9.188865	9.402632	8.764345	8.394362	7.980571	7.784633	7.650901	7.637311	7.610543	7.537001	7.487706	7.554234
TMEM49	TMEM49	10.79616	11.25175	10.829	11.10812	11.00521	11.83451	11.10065	11.20299	11.22849	11.22088	11.3065	11.04449
TMEM5	TMEM5	9.369815	9.435269	9.41516	9.637399	10.12576	10.56398	9.892797	10.01197	10.01936	9.912926	9.773398	9.82392
TMEM50A	TMEM50A	7.727654	8.210865	7.718625	8.282657	7.915158	8.139741	7.810055	7.710795	7.648506	7.633064	7.785282	7.725254
TMEM50B	TMEM50B	8.214313	8.339473	8.468989	9.186508	9.309855	10.14798	10.16391	10.04717	9.914905	10.08729	9.662434	9.953842
TMEM51	TMEM51	9.52299	9.825282	10.00262	10.33416	10.39391	11.91102	10.7831	10.67212	10.00308	9.734707	9.674861	8.91058
TMEM52	TMEM52	7.425423	7.356129	6.927912	6.977891	7.047709	6.929751	6.849879	6.918499	6.830461	6.936058	6.776738	6.816723
TMEM53	TMEM53	7.417475	7.602242	7.325004	7.402338	7.280906	7.553657	7.346065	7.362593	7.503793	7.559443	7.17656	7.389028
TMEM54	TMEM54	7.643176	8.615204	8.262979	8.656642	8.010938	7.844309	7.825013	8.276861	8.287145	8.385282	8.825635	8.226027
TMEM55A	TMEM55A	9.200177	8.982127	8.646531	9.017007	8.674422	9.537219	9.095646	9.140965	9.04125	9.003144	8.956039	8.93019
TMEM55B	TMEM55B	8.689304	9.026216	8.52123	8.936217	8.712783	9.1669	8.663454	8.829039	8.922899	8.785478	9.022761	8.819306
TMEM56	TMEM56	7.091624	7.320559	6.80757	7.129906	7.34702	8.029336	7.762496	8.118479	7.754165	8.241628	7.992193	8.053488
TMEM57	TMEM57	7.319633	7.655329	7.62586	7.900868	7.617263	7.668275	7.399199	7.656094	7.518742	7.533005	7.529265	7.573314
TMEM58	TMEM58	6.945781	7.340398	6.94433	7.122272	7.181365	7.283839	6.970104	6.992459	6.995223	7.176514	6.995765	6.977885
TMEM59	TMEM59	11.75761	12.05641	11.75525	12.18956	12.55491	12.99487	12.51463	12.92769	12.85904	12.91478	13.13048	12.97634
TMEM60	TMEM60	10.63025	10.75681	10.34917	10.3482	10.75944	11.11733	10.65297	10.7402	10.86613	10.6449	10.61862	10.11483
TMEM61	TMEM61	7.055514	7.159172	6.872821	7.052384	6.978706	6.9947	6.885758	6.915358	6.907705	6.924818	6.844439	6.839789
TMEM62	TMEM62	7.416385	7.898208	7.724113	8.050859	7.838249	8.714961	8.395613	8.606792	8.469189	8.54742	8.549555	8.414056
TMEM63A	TMEM63A	7.710678	7.912027	7.261034	7.445548	7.281666	7.267081	7.361455	7.380446	7.238345	7.342706	7.290842	7.165151
TMEM63B	TMEM63B	7.648378	7.777615	7.225568	7.54348	7.565982	7.957408	7.647313	7.579891	7.645676	7.830571	7.8656	7.739121
TMEM63C	TMEM63C	6.918503	7.392576	7.032857	7.06506	7.045819	7.099166	7.029613	7.029318	7.070263	7.010448	6.830646	6.997524
TMEM64	TMEM64	8.297716	9.274969	8.468938	7.924423	7.970662	9.118302	8.362608	8.190802	8.088934	7.998123	7.773445	7.920992
TMEM65	TMEM65	6.994992	7.299061	6.936703	7.221247	7.128496	6.998495	7.153045	7.114115	7.269693	7.170359	7.033097	7.461407
TMEM66	TMEM66	12.3421	12.56555	12.15101	12.86841	13.67375	13.08484	13.00724	13.11609	13.2215	13.0681	13.0132	13.04152
TMEM67	TMEM67	7.389246	7.661735	7.57043	7.761433	7.736458	8.264573	8.385201	8.629907	8.740391	8.729447	8.503787	8.47534
TMEM68	TMEM68	7.381909	7.371701	7.041465	7.433595	7.341857	7.27292	7.12135	7.163878	7.114872	7.0452	6.833274	7.118921

TMEM69	TMEM69	9.899786	10.20603	9.447253	9.544674	9.686464	10.71039	9.865592	10.19942	9.872076	9.741228	9.565752	9.209376
TMEM70	TMEM70	8.460088	8.648692	8.365148	8.508463	8.284449	8.470429	7.934841	7.761319	8.066238	7.902387	7.485147	7.723799
TMEM71	TMEM71	6.898878	7.100291	6.827626	7.105465	7.92912	9.091709	10.38222	10.81293	9.806428	10.52735	8.869533	8.291108
TMEM74	TMEM74	7.873848	7.438266	7.189953	7.152759	7.132413	7.244281	7.026253	7.159695	7.235648	7.255713	6.954364	7.099496
TMEM75	TMEM75	6.800167	6.991006	6.710761	6.902813	6.984528	7.007084	6.779635	6.899435	6.77314	6.931046	6.768949	6.730324
TMEM76	TMEM76	6.929852	7.172223	6.852118	7.131883	6.986453	7.107818	6.998818	7.017147	7.023162	7.005474	6.854786	6.975386
TMEM77	TMEM77	8.547512	8.663357	9.015435	9.106863	8.793718	9.704638	8.823521	8.950754	8.785385	8.711797	8.393896	8.516815
TMEM79	TMEM79	7.737703	8.037013	7.479641	8.176743	7.859305	8.088594	7.772719	7.696651	7.84323	7.592936	7.454178	7.804318
TMEM8	TMEM8	8.424567	8.760552	8.078096	8.724302	8.910336	9.262775	9.063368	9.384609	8.829558	9.192251	9.491765	9.197542
TMEM80	TMEM80	7.292925	7.543239	7.3078	7.605255	7.52893	8.014396	7.753485	7.824475	7.59523	7.72289	7.508466	7.504898
TMEM81	TMEM81	6.931386	7.17175	6.776824	7.100107	6.922105	7.17511	6.904018	6.954905	7.046131	7.090382	6.84298	6.865306
TMEM83	TMEM83	7.106117	7.134092	6.855283	7.01865	6.985984	7.062805	7.094752	6.978858	7.084214	7.150666	6.891782	6.874928
TMEM84	TMEM84	7.034919	7.11904	6.75782	7.088799	7.046146	6.871298	6.911187	6.899704	6.874961	7.156946	6.793378	6.839294
TMEM85	TMEM85	11.40265	11.80424	11.18241	11.38871	11.38639	11.77002	11.32539	11.47912	11.53454	11.55177	11.39386	11.23535
TMEM86A	TMEM86A	6.950086	7.299238	6.935687	7.041027	7.135059	7.126628	7.113938	7.18875	7.191587	7.259448	7.053987	7.014781
TMEM86B	TMEM86B	7.171829	7.458279	7.260772	7.59108	7.508639	7.327771	7.322849	7.449576	7.354645	7.235658	7.09491	7.28551
TMEM87A	TMEM87A	11.84477	12.27313	11.94129	12.68702	12.24675	12.73501	11.94064	12.02585	12.06507	11.74351	11.54503	11.40878
TMEM87B	TMEM87B	6.996673	7.358475	6.984774	7.248074	7.086082	7.274676	7.146553	7.318338	7.217669	7.059219	7.239291	7.263675
TMEM88	TMEM88	6.995883	7.361936	9.358551	12.78728	12.36728	10.49305	8.384165	7.691092	7.493294	7.129566	7.089774	7.043221
TMEM89	TMEM89	6.945063	7.090235	6.862688	7.108557	7.023915	7.038167	6.924414	6.997913	6.916258	6.9085	6.725236	6.880046
TMEM9	TMEM9	9.632008	9.613127	9.304172	9.475211	9.640246	9.918131	9.304394	9.450015	9.403713	9.4184	9.33202	9.184713
TMEM91	TMEM91	8.514606	8.949999	8.482023	9.098656	9.134157	8.643128	8.980212	8.624254	9.014155	8.798757	8.185569	8.458712
TMEM92	TMEM92	7.185266	7.242116	7.046648	7.198182	7.159203	6.956491	6.855318	6.879654	6.924029	6.989731	6.821929	6.809864
TMEM93	TMEM93	10.48153	11.05101	10.41784	10.39201	10.37322	11.09932	10.63649	10.49979	10.75376	10.89225	10.55946	10.51898
TMEM95	TMEM95	6.837708	7.135491	6.855427	7.071469	6.857431	6.841298	6.885703	6.953951	7.034408	6.857568	6.762904	6.850247
TMEM97	TMEM97	12.63937	12.92359	12.08577	12.32817	12.03486	11.62773	10.98394	10.56148	10.82949	10.45651	9.60975	9.28335
TMEM98	TMEM98	10.85119	10.98255	11.3262	12.67297	12.6663	11.26605	10.68663	10.5177	10.54542	10.08978	9.954262	9.792207
TMEM99	TMEM99	9.746234	10.83224	10.02627	10.17898	10.33388	10.22466	9.643853	9.724951	10.06827	9.927444	10.0614	10.02536
TMEM9B	TMEM9B	9.223889	9.710285	9.26877	10.12263	10.1952	11.36316	10.77927	10.75432	11.03313	10.77464	10.48038	10.96509
TMEPAI	TMEPAI	7.516398	7.545951	7.400019	7.528538	7.445437	7.7441	7.630223	7.891027	8.04132	7.952762	8.63823	8.271983
TMF1	TMF1	7.647238	7.914662	7.796584	8.219133	8.149926	8.368509	7.939015	8.136619	8.113429	8.118139	8.343928	8.308192
TMIE	TMIE	7.08707	6.996141	6.781681	6.984558	6.87017	6.930485	6.923451	6.879506	6.807148	6.904468	6.777625	6.746873
TMIGD	TMIGD	6.94922	7.076691	6.909908	7.097757	6.983633	7.076152	6.916335	7.089285	6.956243	6.91502	6.76592	6.908671
TMIGD2	TMIGD2	6.761362	6.872079	6.709747	6.96106	6.907552	6.835293	6.823487	6.864362	6.75368	6.896813	6.809473	6.769197
TMLHE	TMLHE	7.689741	8.050598	7.866083	7.977858	8.109979	8.93948	8.502106	8.491066	8.477576	8.459121	7.94137	8.123794
TMOD1	TMOD1	7.104565	7.081306	8.335873	9.468839	10.50686	12.8168	12.38868	12.54539	12.01209	12.57383	11.93984	12.14782

TMOD2	TMOD2	6.730726	7.025838	6.759028	7.027329	6.858724	6.954639	6.919918	6.89527	6.824195	6.890968	6.823608	6.857809
TMOD3	TMOD3	7.344114	7.762099	7.364686	7.730178	7.256659	7.40959	7.129317	7.3447	7.27143	7.200342	7.203539	7.703717
TMOD4	TMOD4	6.952551	7.346922	6.97144	7.167094	7.083269	7.145952	6.956577	7.21596	7.03981	7.066656	6.833986	7.128065
TMPIT	TMPIT	7.610262	7.831574	7.570092	8.371001	8.249619	9.187764	8.950062	8.89434	8.792516	9.047208	8.718545	8.519873
TMPO	TMPO	8.195196	8.480551	8.374533	8.325125	7.736021	8.174432	7.491319	7.79912	7.517663	7.517941	7.536787	7.347693
TMPRSS1	TMPRSS1	6.926653	7.010425	6.826035	6.963401	6.99103	6.917043	6.885589	7.071084	6.989487	6.89706	6.85731	6.785969
TMPRSS1	TMPRSS1	6.938179	7.124976	6.903219	7.114118	6.910144	7.034104	6.856485	6.897378	6.827238	6.965329	6.827285	6.844588
TMPRSS1	TMPRSS1	6.920186	7.140198	6.80865	6.939139	6.902568	6.900614	6.908742	6.826459	6.917155	6.950492	6.756847	6.814208
TMPRSS1	TMPRSS1	6.870146	6.985887	6.789855	6.998002	6.946733	7.065863	6.971707	7.066251	6.830142	6.930948	6.857061	6.962644
TMPRSS1	TMPRSS1	6.866938	7.199077	6.949813	7.163934	7.079854	7.054587	7.006035	7.106549	7.046972	7.073258	6.886926	6.969326
TMPRSS1	TMPRSS1	6.913832	7.276829	6.926087	7.14842	7.054573	7.147494	6.952245	7.05074	7.031775	6.994522	6.850615	6.966928
TMPRSS1	TMPRSS1	7.026508	7.250465	7.023657	7.165852	7.029657	7.026068	6.935279	6.934503	7.052861	7.019456	6.860402	6.926524
TMPRSS2	TMPRSS2	8.119802	8.340705	8.510469	7.833273	7.302353	6.952738	6.894373	6.94639	6.870516	6.887941	6.81231	6.787837
TMPRSS3	TMPRSS3	6.876522	7.061067	6.778004	7.013566	6.916664	6.992046	6.847784	6.932897	6.903786	6.89598	6.812029	6.839455
TMPRSS4	TMPRSS4	6.983177	7.181171	6.893987	7.03451	7.039055	7.168849	6.979638	7.036127	7.010387	7.127964	6.884131	6.953356
TMPRSS5	TMPRSS5	6.887082	7.168142	6.930005	7.121158	6.921191	6.933187	6.821744	6.998918	7.018792	6.986301	6.763713	6.812244
TMPRSS6	TMPRSS6	6.858715	6.991648	6.726609	7.028651	7.011549	6.840419	6.894602	6.881939	6.764618	6.950957	6.75695	6.763413
TMPRSS7	TMPRSS7	6.878859	7.186102	6.831659	7.011434	7.074593	7.093201	6.992546	6.993556	6.955718	7.048411	6.984593	6.994436
TMPRSS9	TMPRSS9	6.933618	7.057494	6.76893	7.039439	6.842849	6.959356	6.90304	6.934184	6.84127	6.975328	6.785648	6.806416
TMSB10	TMSB10	13.63493	14.53738	14.02675	14.34	14.00508	13.29659	13.71561	13.38204	13.9812	13.92152	14.30965	13.16479
TMSB4X	TMSB4X	7.22486	7.910829	7.451381	7.237509	7.093555	6.994805	7.185067	7.002583	7.216665	7.031305	7.290068	7.099344
TMSB4Y	TMSB4Y	6.781867	6.981305	6.869708	6.978684	6.989393	6.806481	6.82144	6.84393	6.868401	6.762609	6.835177	6.770703
TMSL3	TMSL3	15.15545	15.6849	15.07786	15.20645	14.87363	14.21883	14.6656	14.56836	15.01775	14.71718	15.20753	14.52345
TMSL8	TMSL8	12.80474	12.68421	12.62513	12.51667	12.11719	11.188	10.93053	10.85502	11.72013	10.82157	9.909777	8.150177
TMTC2	TMTC2	7.034181	7.33763	7.231508	7.632827	7.543786	7.679324	7.555777	7.470322	7.452952	7.26034	7.011706	7.118336
TMTC3	TMTC3	8.033735	8.503202	7.935707	8.22607	7.967563	8.25584	7.93496	8.067804	8.111096	7.900596	7.763091	7.79094
TMTC4	TMTC4	7.963344	7.94688	7.629527	8.060873	8.04636	7.841611	7.545827	7.520633	7.648717	7.240995	7.257287	7.153148
TMUB2	TMUB2	8.799615	8.860052	8.78476	9.193416	9.095619	9.464013	9.047398	8.963824	9.09348	8.92971	8.5142	8.950603
TNC	TNC	7.360589	8.049007	9.682156	10.46874	9.141461	9.150472	10.71202	10.78133	10.51459	9.991425	9.957128	9.924005
TNCRNA	TNCRNA	6.86884	7.153297	6.901075	7.173383	6.955022	7.103057	7.065954	7.155862	7.21581	7.173114	7.079972	7.213089
TNF	TNF	6.837529	6.918372	6.73836	6.915254	6.84113	6.998268	6.807959	6.849166	6.99129	6.869172	6.69185	6.87679
TNFAIP1	TNFAIP1	7.986753	8.651768	8.123529	9.051116	9.196779	9.830972	9.370886	9.648848	9.455883	9.757592	10.14253	9.834532
TNFAIP2	TNFAIP2	7.229485	7.56159	7.026524	7.109749	7.059008	6.916696	6.897847	6.8497	6.99443	7.0069	6.726045	6.856168
TNFAIP3	TNFAIP3	7.31197	7.419166	7.515869	9.081329	9.691433	8.02186	7.406677	7.605925	7.549341	7.49577	8.125545	7.814584
TNFAIP6	TNFAIP6	7.250003	7.38609	6.843422	7.13701	7.042354	7.36131	7.386156	7.55804	7.927911	7.718733	9.483518	7.977546
TNFAIP8	TNFAIP8	7.530465	7.656167	7.458148	7.737489	7.699651	7.985217	7.7078	7.759499	7.800343	7.724669	7.521982	7.609099

TNFAIP8L	TNFAIP8L	7.454823	7.601061	8.084125	7.954399	8.099321	7.520342	7.505431	7.341679	7.566439	7.348818	7.026199	6.968846
TNFAIP8L	TNFAIP8L	7.016478	7.049219	6.853685	6.969968	6.999363	7.005001	6.878131	6.928732	6.88	6.854438	6.863907	6.861327
TNFAIP8L	TNFAIP8L	6.913162	7.335665	6.843373	7.165545	7.008898	7.483863	8.877351	8.861166	8.964605	8.706632	8.557184	8.080416
TNFRSF1	TNFRSF1	7.859401	7.985334	7.111661	7.053302	6.990814	7.251686	6.93354	6.930609	6.852717	6.863642	6.908919	7.040874
TNFRSF1	TNFRSF1	9.457047	9.485132	8.664229	9.429631	9.431582	9.860444	9.230213	9.103735	9.136706	8.903811	9.250462	9.21525
TNFRSF1	TNFRSF1	7.219596	7.377939	7.224339	7.267432	7.206131	7.402129	7.275653	7.146469	7.204085	7.239347	7.014202	7.141554
TNFRSF1	TNFRSF1	7.294149	7.602093	7.3019	7.839778	7.396615	8.380812	7.307925	7.381292	7.377052	7.385824	8.128447	8.472422
TNFRSF11	TNFRSF11	7.009047	7.078489	6.92641	7.034009	6.871759	6.971619	6.774143	6.729893	6.905117	6.887159	6.557459	6.820134
TNFRSF11	TNFRSF11	7.02704	7.275356	8.841946	7.487472	6.971916	7.980161	9.07878	10.09612	10.29512	10.92336	11.53241	10.90138
TNFRSF12	TNFRSF12	8.885314	10.80594	9.219338	9.305241	9.283437	11.07342	10.89116	11.1399	11.10138	12.07756	12.47122	11.73021
TNFRSF13	TNFRSF13	6.86606	7.128565	6.902367	7.048545	7.021076	6.983811	6.938442	6.946568	6.935579	6.924563	6.811083	6.830862
TNFRSF13	TNFRSF13	7.609253	8.071241	7.283531	7.436454	7.584098	8.592482	8.473489	8.281916	8.162854	8.448691	7.88827	8.040777
TNFRSF14	TNFRSF14	6.788722	7.055956	7.009138	7.171228	7.054903	6.923077	6.830202	6.894362	6.906248	6.890783	6.842785	6.697404
TNFRSF17	TNFRSF17	6.848346	6.980461	6.755872	6.960663	6.806436	6.944942	6.892302	6.915794	6.743742	6.8985	6.806979	6.907945
TNFRSF18	TNFRSF18	6.795266	6.986034	6.761954	6.956566	6.908369	7.003201	6.806027	6.991465	6.830772	6.925753	6.776199	6.860864
TNFRSF19	TNFRSF19	6.9893	7.765633	8.205384	9.367737	9.437523	10.91303	9.962314	9.548086	9.134036	8.787317	8.317918	8.573678
TNFRSF19	TNFRSF19	6.829933	7.099192	6.804162	7.041692	6.92325	6.927064	6.826374	6.947642	6.894703	6.867759	6.764695	6.80023
TNFRSF1A	TNFRSF1A	9.151486	9.799866	9.1905	9.345737	9.400018	9.287439	9.083981	9.683066	9.460609	9.685574	10.49675	9.841669
TNFRSF1B	TNFRSF1B	7.059838	7.220167	6.996698	7.139698	6.927735	7.066441	6.983433	6.9974	6.91139	6.877147	6.907803	6.810112
TNFRSF21	TNFRSF21	11.19645	11.27494	10.70823	11.4851	10.77267	10.48184	10.32376	10.81337	10.12412	10.40046	10.54869	10.1958
TNFRSF25	TNFRSF25	7.827961	7.952143	7.472332	8.132913	8.093529	7.648014	7.571086	7.598681	7.656832	7.505444	7.606784	7.308994
TNFRSF4	TNFRSF4	6.991599	7.16231	6.846205	7.099779	6.962551	6.972974	6.86164	6.953456	6.973446	6.967902	6.788569	6.865092
TNFRSF6B	TNFRSF6B	6.969419	7.224102	6.961101	7.150479	7.20592	7.227322	7.053535	7.145297	7.073391	7.139909	6.917895	6.924924
TNFRSF7	TNFRSF7	6.903409	7.020705	6.786971	7.098403	6.940423	7.042736	6.787189	7.11472	6.882308	7.107146	6.931687	6.847521
TNFRSF8	TNFRSF8	7.53559	7.707838	6.880666	7.095842	6.953736	6.983233	6.844912	6.984681	6.941101	6.987379	6.762249	6.848586
TNFRSF9	TNFRSF9	7.010443	7.457187	7.026801	7.198517	7.373964	7.675488	7.672936	7.441574	7.449086	7.333774	7.172625	7.159414
TNFSF10	TNFSF10	6.834494	6.970657	6.843609	6.977492	6.855953	6.717904	6.719355	6.841334	6.93108	7.006507	6.707833	6.96673
TNFSF11	TNFSF11	7.216107	7.218358	6.833167	7.001152	6.933746	6.959255	6.877093	6.883363	6.84743	6.892892	6.78829	6.788572
TNFSF12	TNFSF12	7.140137	7.244798	6.922369	7.030323	6.991106	7.133188	7.004187	7.037183	7.074885	7.086528	7.003392	6.896775
TNFSF12-	TNFSF12-	7.122487	7.260442	7.033794	7.169999	7.072915	7.266044	7.057091	7.037307	7.077082	7.129567	6.929293	6.916982
TNFSF13	TNFSF13	6.802984	7.059189	6.71193	6.948958	6.895596	6.985633	6.833366	6.861897	6.824115	6.947186	6.716632	6.867484
TNFSF13B	TNFSF13B	6.910958	7.134103	6.9545	7.248337	7.134891	7.290091	7.067576	7.060609	7.101398	7.125482	6.905277	6.935295
TNFSF14	TNFSF14	8.224758	9.217174	8.680753	9.104046	9.053999	8.963638	9.19428	8.380413	8.8538	8.514189	7.979228	8.814235
TNFSF15	TNFSF15	7.300432	7.868697	7.495247	7.778004	7.762009	7.760127	7.75941	7.608074	7.574692	7.621713	7.401583	7.690077
TNFSF18	TNFSF18	6.888143	6.941735	6.774764	7.044581	6.968371	6.976706	6.836187	6.945671	6.764417	6.959787	6.860056	6.808549
TNFSF4	TNFSF4	6.924212	7.01927	6.857036	7.573904	7.640092	7.390646	7.138407	7.215394	7.073862	7.172173	8.04085	7.661454

TNFSF5IP	TNFSF5IP	11.04789	11.21801	10.77356	10.74687	10.85695	11.18054	10.49009	10.80299	10.74093	10.85075	10.96459	10.1384
TNFSF7	TNFSF7	7.328952	7.354773	7.011381	7.16087	6.972748	7.059533	6.912794	6.87426	6.914891	7.130332	7.360773	7.361103
TNFSF8	TNFSF8	7.025806	7.037778	6.835281	6.994362	7.006133	6.998754	6.951968	6.954755	7.047307	7.021798	6.769333	6.888829
TNFSF9	TNFSF9	7.35576	7.341614	7.216769	7.612535	7.27079	7.500868	6.919834	7.152746	7.116504	6.971943	7.163898	7.255866
TNIK	TNIK	7.915811	8.261667	7.618388	7.687893	7.576783	8.505827	8.267331	8.325673	8.285343	8.164206	7.790235	7.982219
TNIP1	TNIP1	7.927085	8.121213	7.967225	8.23879	8.490971	8.333823	8.257303	8.522752	8.465788	8.638096	8.4357	8.917557
TNIP2	TNIP2	7.58409	7.69412	7.345669	7.625956	7.494214	7.31118	7.33488	7.447487	7.46247	7.530815	7.273396	7.477961
TNIP3	TNIP3	6.877202	7.004866	6.841145	6.98999	6.879277	7.048938	6.848984	6.886487	6.899814	6.849971	6.837624	6.924167
TNK1	TNK1	6.853387	6.948015	6.820192	6.932434	6.880545	6.855643	6.766838	6.878022	6.837791	6.849729	6.820941	6.732492
TNK2	TNK2	8.061269	8.236103	7.770374	8.040683	8.246693	9.189679	9.367323	9.424258	9.029546	9.075052	8.387195	8.381253
TNKS	TNKS	7.177853	7.468717	7.081604	7.196536	7.111468	7.226707	6.943192	7.098319	7.028329	7.036006	6.842582	7.021319
TNKS1BP1	TNKS1BP1	8.082526	8.433512	7.898898	8.196614	8.083337	7.974857	7.658338	7.919013	7.591152	7.555111	7.780869	7.399394
TNKS2	TNKS2	6.886169	7.215677	6.747778	7.122505	7.064276	6.954142	6.84106	6.86654	6.95364	6.85605	6.837169	6.848796
TNMD	TNMD	7.746396	8.206799	8.545333	7.755739	7.180714	7.291897	7.507761	8.161254	8.204884	9.035921	8.82081	8.166315
TNN	TNN	6.803729	6.950615	6.834142	6.931669	6.902924	6.994518	6.842902	6.882598	6.788114	7.039513	6.760674	6.71744
TNNC1	TNNC1	7.460988	7.71989	9.862423	10.35674	12.80433	14.84625	15.01895	15.06104	14.98249	15.12347	14.67609	14.57172
TNNC2	TNNC2	7.809369	8.101828	6.929471	7.077519	7.405311	7.574375	7.455907	7.411933	10.62984	8.97107	6.806534	7.422387
TNNI1	TNNI1	6.840929	7.025912	6.843784	7.184815	7.426992	8.450255	7.969061	8.40268	7.95694	8.357782	7.938258	7.999732
TNNI2	TNNI2	6.954225	6.907243	6.775849	6.976165	6.937053	6.929831	6.709575	6.824541	8.392982	7.326283	6.739245	6.988688
TNNI3	TNNI3	7.951469	8.002154	7.131889	7.228659	7.683163	10.15466	11.32045	11.74166	12.36358	12.87937	12.08703	12.3243
TNNI3K	TNNI3K	6.995377	7.192542	6.71398	6.977386	7.067025	8.309585	9.602079	10.65827	10.39889	11.2905	10.95661	10.82325
TNNT1	TNNT1	8.310695	8.953069	8.202245	7.802218	7.645856	8.184883	8.093638	8.110012	8.8526	8.340936	7.499448	7.514173
TNNT2	TNNT2	7.476981	7.421901	7.083116	12.17785	12.78529	14.12309	14.26787	14.09537	14.05391	14.18424	13.52175	13.71901
TNNT3	TNNT3	6.82272	7.206059	6.907648	7.054359	7.068426	7.258181	7.077614	7.050277	8.53526	7.692756	6.827439	7.004426
TNP1	TNP1	6.959721	7.248633	7.160778	7.189838	7.169609	7.010794	6.925389	7.055699	6.893574	7.051081	6.954418	6.910462
TNP2	TNP2	6.917733	7.156532	6.888284	7.046848	7.03126	7.180782	6.861312	7.033067	6.962426	6.879522	6.836197	6.801313
TNPO1	TNPO1	9.499269	10.05385	9.673208	10.10832	9.375016	9.346586	8.852075	8.824732	9.024352	8.608908	8.245805	9.098309
TNPO2	TNPO2	11.06606	11.51272	10.6983	10.67742	10.93784	10.91431	10.90535	10.72004	10.91505	10.6245	10.26679	10.23413
TNPO3	TNPO3	10.18559	10.63712	9.799004	9.839108	9.352393	9.549405	9.146508	9.193301	9.024505	9.1924	9.215147	9.054921
TNR	TNR	6.9768	7.063019	6.793445	6.985107	7.00213	6.961374	6.842702	6.890407	6.777972	6.889558	6.746149	6.821752
TNRC15	TNRC15	8.75923	9.036526	8.580638	9.143365	8.819203	8.88817	8.583484	8.72256	8.563341	8.57856	8.280322	8.596556
TNRC4	TNRC4	6.994812	7.060318	6.827863	6.953429	6.985568	6.959102	6.79731	6.929838	7.619273	6.823478	6.705627	6.865568
TNRC5	TNRC5	8.52083	8.908364	8.399405	8.604263	8.477277	8.347774	8.181826	8.017256	8.09091	8.163472	7.975466	8.042004
TNRC6A	TNRC6A	8.153057	8.545673	7.707158	7.899297	7.754427	8.00048	7.528006	7.747437	7.676278	7.524044	7.59947	7.461878
TNRC6B	TNRC6B	8.546547	9.16191	8.401662	9.059451	9.06563	8.822598	8.807674	8.732935	8.596603	8.373402	7.707377	8.210732
TNRC6C	TNRC6C	6.9949	7.020821	6.859402	7.133466	6.964491	6.923932	6.86063	7.036135	6.966975	6.947095	6.748561	6.878658

TNRC9	TNRC9	7.546205	7.979201	6.904443	7.128546	7.296477	6.907831	6.7776	6.796943	7.022976	6.84363	6.756702	6.785371
TNS1	TNS1	7.023327	7.339082	7.054814	7.539791	7.504235	7.7135	7.629096	7.864611	7.685146	8.10135	8.226501	8.263559
TNS3	TNS3	9.424507	9.902766	9.137122	10.67128	10.75426	9.815212	9.547553	9.94405	10.04621	9.983769	10.20254	9.539656
TNS4	TNS4	6.995296	7.201839	6.891627	7.129342	7.062965	7.14565	6.986409	7.014821	7.147649	7.014071	6.802757	6.942188
TNT	TNT	6.814967	7.015161	6.711644	6.852283	6.908395	6.810328	6.847328	6.788212	6.754844	6.935347	6.672013	6.721013
TNXA	TNXA	6.939645	7.112217	6.874054	7.1067	6.959711	7.102112	7.012551	7.154736	6.971483	7.077005	6.887133	6.899727
TNXB	TNXB	6.927258	7.094755	6.789046	7.028568	6.888597	7.052886	6.860822	6.915014	6.916521	6.964623	6.84858	6.832824
TOB1	TOB1	9.255997	8.918029	8.575151	8.952259	9.269807	10.13519	9.244112	9.370392	9.336186	9.133445	8.838302	9.621052
TOB2	TOB2	7.940498	8.355841	7.554255	7.763133	7.633056	7.635158	7.512117	7.483215	7.479359	7.520384	7.316179	7.462908
TOE1	TOE1	7.684664	8.22697	7.853489	7.81749	7.5742	7.723735	7.360475	7.3673	7.249227	7.490992	7.240883	7.249877
TOLLIP	TOLLIP	7.423812	7.750558	7.376473	7.640681	7.775903	7.828862	7.757479	8.080058	7.867471	7.964284	8.140838	7.974247
TOM1	TOM1	8.020002	8.534797	8.032327	8.553697	8.675569	9.472502	9.117923	9.025117	9.117809	9.236595	8.923606	9.618127
TOM1L1	TOM1L1	8.379312	8.365642	7.671497	7.833851	7.823795	7.679451	7.243518	7.37034	7.275332	7.193227	7.063848	7.157396
TOM1L2	TOM1L2	6.999716	7.425227	7.10113	7.44467	7.400642	8.063586	7.950316	7.957038	7.882	8.144945	7.61069	8.024303
TOMM20	TOMM20	12.2284	12.14506	11.95578	11.81916	11.95792	12.20498	11.38535	11.31697	11.43077	10.98417	11.04107	10.92631
TOMM22	TOMM22	10.62117	11.19087	10.74477	10.67341	10.43996	10.71419	10.4042	10.09317	10.22544	10.39509	9.738423	10.05629
TOMM34	TOMM34	10.81334	10.99887	10.88351	11.60212	10.84572	11.85472	10.87013	10.67091	10.9597	10.80424	10.39483	10.9928
TOMM40	TOMM40	12.24054	12.54814	11.76052	11.64033	11.28591	11.58655	11.0178	10.94002	10.91254	10.92843	10.6944	10.69496
TOMM40L	TOMM40L	7.705069	8.078133	7.331651	7.591824	7.575382	8.415804	8.240795	8.095224	8.248446	8.31292	8.207858	8.233714
TOMM7	TOMM7	13.742	14.11728	13.54382	13.21289	13.49449	13.67866	13.5827	13.55264	13.92257	13.81689	13.76246	13.45613
TOMM70A	TOMM70A	11.38517	11.68435	10.68252	11.12826	11.34026	12.19711	11.53283	11.49885	11.65103	11.54604	11.10695	11.36235
TOP1	TOP1	7.359927	7.681832	7.2155	7.437285	7.263923	7.326871	7.186687	7.085428	7.184328	7.157504	6.976775	7.173757
TOP1MT	TOP1MT	9.029219	8.760824	8.004466	8.00886	7.861969	7.180222	7.035671	7.140726	7.240502	7.045523	7.194457	7.11142
TOP1P1	TOP1P1	6.925611	7.163569	6.860246	7.075164	6.952589	6.937209	6.918042	6.952084	6.982226	6.913693	6.738541	6.869992
TOP1P2	TOP1P2	8.623744	9.067507	8.712003	8.944756	8.64749	8.355371	8.236177	7.821132	8.053097	7.971771	7.857499	7.987812
TOP2A	TOP2A	11.92971	11.95382	11.99977	12.06671	11.51875	11.34676	10.74454	10.82719	10.76218	10.5656	9.66293	8.640797
TOP2B	TOP2B	11.7571	12.03245	11.93702	12.16795	11.78805	11.85159	11.22321	11.48153	11.4069	11.32854	11.05237	11.15141
TOP3A	TOP3A	8.490966	8.960883	8.374967	9.375243	9.247649	8.735072	8.238856	7.911202	8.127377	7.77048	7.479351	7.928494
TOP3B	TOP3B	8.749165	8.709379	8.562625	8.698114	8.465193	8.445507	8.340209	8.638879	8.132449	8.514866	8.324944	8.080126
TOPBP1	TOPBP1	9.632442	10.11964	9.816862	10.54428	9.967335	9.591803	9.472935	9.172726	9.381759	9.18673	8.471578	8.933724
TOPORS	TOPORS	8.07606	8.551912	8.252765	8.170478	7.926782	8.224783	7.733845	7.831629	7.739645	7.773516	7.625798	7.750307
TOR1A	TOR1A	8.551266	9.242462	8.971357	9.118681	8.592532	8.904055	8.575557	8.632112	8.35807	8.380774	8.646475	8.509892
TOR1AIP1	TOR1AIP1	9.125871	9.625749	9.495914	9.64011	9.450306	9.970127	9.238288	9.447178	9.361928	9.40793	9.690052	9.544259
TOR1AIP2	TOR1AIP2	7.392786	7.725162	7.309146	7.580968	7.587584	7.584875	7.337381	7.514367	7.440809	7.39919	7.399529	7.561374
TOR1B	TOR1B	8.146263	8.523944	8.219626	8.304558	8.095016	8.17716	7.93491	8.093233	8.016458	7.918734	8.229039	8.079315
TOR2A	TOR2A	7.091373	7.36495	7.082775	7.294986	7.219109	7.166066	7.034618	7.152866	6.967772	7.121613	7.000417	7.034324

TOR3A	TOR3A	8.524289	9.112329	8.735769	8.569305	8.426488	8.825257	8.175453	8.427133	8.208992	8.413361	8.518591	8.736442
TOX	TOX	7.474827	7.666609	6.931985	7.253099	7.078969	7.122469	6.966195	7.148672	7.224421	7.202953	6.962447	7.166458
TP53	TP53	8.555762	8.625394	7.692025	7.761336	7.65201	7.551281	7.240598	7.407385	7.070526	7.287554	7.342709	7.44344
TP53AP1	TP53AP1	7.46241	7.581201	7.356808	7.526517	7.752306	7.931694	7.771571	7.567422	7.612535	7.636117	7.57935	7.313893
TP53BP1	TP53BP1	9.823506	10.16042	10.20935	10.20616	9.938324	10.1704	9.589204	9.765565	9.527138	9.428134	9.490544	9.061966
TP53BP2	TP53BP2	8.596901	8.855372	8.961229	9.221122	9.049915	9.138358	8.874007	8.964524	8.694848	8.74385	8.703078	8.538816
TP53I11	TP53I11	7.101715	7.588598	7.404886	7.613112	7.322457	7.569566	7.309985	7.815824	7.603709	7.58964	7.491375	7.063668
TP53I13	TP53I13	9.053872	9.323513	8.999465	9.437097	9.550276	10.04622	9.78369	9.422253	9.801163	9.751801	9.044731	9.777685
TP53I3	TP53I3	8.310458	9.502284	8.483867	8.819206	9.015288	9.862962	8.843137	8.690969	8.714985	8.725916	8.663475	8.541746
TP53INP1	TP53INP1	8.112296	8.574561	8.917838	9.757752	9.150607	10.08744	9.614134	9.20259	9.156685	9.039835	8.382594	9.008208
TP53INP2	TP53INP2	8.07094	8.2688	8.180938	8.903305	8.877516	10.31903	10.06977	10.61879	10.40107	11.0796	10.91963	10.84999
TP53RK	TP53RK	8.347388	8.73999	8.719876	9.16112	8.969949	9.326854	8.717734	8.752019	8.618989	8.723337	8.559198	8.563117
TP53TG3	TP53TG3	6.886252	7.096888	6.809196	6.985568	6.932366	7.016897	6.815953	6.962085	6.855823	6.955016	6.823767	6.850559
TP73	TP73	6.914903	7.091677	6.781984	6.960593	6.88706	6.974813	6.841091	6.946508	6.849631	6.821677	6.767521	6.810023
TP73L	TP73L	6.729861	6.943645	6.788544	6.965523	6.934123	6.820461	6.739991	6.940352	7.118126	6.861538	6.719322	6.733523
TPARL	TPARL	8.396269	8.644387	8.119795	8.379413	8.192806	8.433331	8.260064	8.333824	8.404211	8.317665	8.299084	7.973648
TPCN1	TPCN1	6.892949	7.112741	6.92658	7.030588	6.968681	6.917983	6.836719	6.850711	6.886457	6.846767	6.81639	6.995915
TPCN2	TPCN2	8.496371	9.016437	8.504659	8.82053	8.529257	8.616132	8.833483	8.417181	8.375889	8.165701	7.547722	8.132706
TPD52	TPD52	7.829375	8.007885	7.462019	7.378351	7.397069	7.728836	7.487879	7.520696	7.479107	7.479045	7.268943	7.306079
TPD52L1	TPD52L1	7.567411	7.909428	7.501042	8.403377	8.447665	9.77264	8.975361	8.84677	8.800965	8.519531	8.176722	8.260912
TPD52L2	TPD52L2	10.75251	11.26696	10.5187	10.94628	10.96144	11.23687	11.06299	10.8239	11.03753	11.11842	10.88988	11.14823
TPD52L3	TPD52L3	6.887005	7.050131	6.802806	7.031766	6.932927	6.946898	6.842915	6.959977	6.867936	6.895515	6.783816	6.91971
TPH1	TPH1	6.956469	7.217545	6.903328	7.121593	6.936211	7.132366	6.782487	7.049115	7.050392	6.995191	6.878105	6.847128
TPH2	TPH2	6.895849	6.961956	6.755021	6.943297	6.93302	6.978705	6.763691	6.944076	6.7973	6.909017	6.809151	6.848166
TPI1	TPI1	13.3539	13.54361	12.84674	13.14112	13.40139	13.89386	13.31626	13.49896	13.33329	13.45195	13.59031	13.75714
TPK1	TPK1	7.274659	7.406092	7.245439	7.56422	7.754566	8.008022	7.564828	7.584244	7.449352	7.488176	7.390068	7.4586
TPM1	TPM1	11.59482	11.74456	10.89652	13.23786	13.81834	14.3809	14.50718	14.52675	14.50054	14.53813	14.37812	14.33578
TPM2	TPM2	11.39449	11.86388	11.26558	12.13784	11.93399	12.39898	12.28839	12.614	12.43364	12.30626	12.92231	11.70233
TPM3	TPM3	11.31117	11.79622	11.20822	11.25219	10.62321	10.39511	9.805185	9.898599	9.945753	9.830585	10.43497	9.842591
TPM4	TPM4	8.131654	8.613703	8.125469	8.634613	8.096212	8.088658	7.825369	8.223813	7.87396	7.955564	9.08753	8.184638
TPMT	TPMT	8.731126	9.338764	9.080501	8.855495	8.985031	9.704503	9.12075	9.026384	8.923745	8.915755	9.027644	8.667658
TPO	TPO	6.871475	7.077715	6.776531	7.046375	6.922159	6.94109	6.963996	6.939814	6.860345	6.982296	6.832773	6.821539
TPP1	TPP1	8.913029	9.253401	9.159313	9.547259	8.931748	9.133162	8.779743	9.233646	8.882435	9.181369	9.528102	9.258891
TPP2	TPP2	7.843273	8.107453	7.703861	7.890093	7.499722	7.830347	7.578963	7.500596	7.512839	7.56092	7.49723	7.559645
TPPP	TPPP	6.813011	7.060404	6.822751	7.044271	7.018842	7.183045	7.034304	7.131045	7.109987	7.093597	6.876421	6.927001
TPR	TPR	10.12864	10.43115	10.33526	10.63685	10.18754	10.31693	9.936018	10.06077	9.699975	9.690529	9.451102	9.649276

TPRKB	TPRKB	8.534674	9.059435	8.758288	8.715792	8.698257	8.998423	8.544032	8.351973	8.714937	8.613036	8.335274	7.941318
TPRX1	TPRX1	6.766727	7.0392	6.783719	7.008475	6.936187	6.999656	6.921234	6.952552	6.920584	7.071535	6.840898	6.878637
TPRXL	TPRXL	6.836877	7.049371	6.752952	6.95731	6.863717	6.907409	6.81784	6.921753	6.876354	6.847611	6.684045	6.762093
TPSAB1	TPSAB1	6.835323	7.084191	6.860449	7.00176	6.909158	7.023806	6.851363	6.974844	6.922593	6.997427	6.785626	6.818077
TPSD1	TPSD1	6.860997	6.969742	6.851433	6.911455	6.793192	6.990275	6.772002	6.804693	6.76284	6.822941	6.729455	6.759046
TPSG1	TPSG1	7.001732	7.153557	6.956428	6.947066	6.923811	7.065617	7.118843	6.963434	6.921434	6.900635	6.785067	6.907283
TPST1	TPST1	8.12458	8.340001	8.630167	10.5743	10.0112	9.194159	8.752741	9.047407	8.97087	8.996473	9.710014	9.303506
TPST2	TPST2	10.3385	10.43172	10.29867	9.528702	8.66542	8.569774	8.354692	8.626461	8.611427	8.503038	8.834149	8.524129
TPT1	TPT1	14.52515	14.87739	14.51887	14.59572	14.85697	14.71576	14.74333	14.90785	14.90034	14.88316	14.92623	14.47545
TPTE	TPTE	6.885469	7.045398	6.823926	7.044675	6.946176	6.872655	6.915648	6.915664	6.947695	6.915574	6.738336	6.853877
TPTE2	TPTE2	6.978033	7.164181	6.813499	7.029236	6.977687	7.030096	6.820984	6.893634	6.85862	6.884812	6.84706	6.814007
TPX2	TPX2	10.08059	10.60443	10.07672	10.27816	9.564949	9.398869	9.016456	9.152843	8.880501	9.008865	8.565726	7.820657
TR2IT1	TR2IT1	6.871019	7.024411	6.741114	6.963931	6.912055	6.898431	6.843782	6.85641	6.864102	6.882934	6.758453	6.808209
TRA16	TRA16	8.299559	8.494789	8.241332	7.923894	7.606165	7.674075	7.503264	7.413698	7.494767	7.576198	7.376133	7.547979
TRA1P2	TRA1P2	8.454897	8.885491	8.891648	9.183871	8.818678	8.48389	8.314352	8.233004	8.468283	8.39588	8.964462	9.18963
TRA2A	TRA2A	10.31995	10.59364	10.21587	10.32742	9.923025	10.29243	9.671895	9.693314	9.586512	9.381608	8.965066	9.279425
TRADD	TRADD	6.958907	7.132459	6.868194	7.090032	7.158278	7.202599	7.128089	7.363256	7.226586	7.324234	7.466265	7.317286
TRAF1	TRAF1	7.035769	7.125385	6.90792	7.07731	7.048913	7.198499	7.076193	7.06127	7.07718	7.019524	6.913309	7.003805
TRAF2	TRAF2	8.118347	8.13331	7.640509	7.818021	7.435085	7.472616	7.183764	7.440441	7.191772	7.255685	7.19599	7.250889
TRAF3	TRAF3	7.265663	7.547889	7.370837	7.504452	7.405085	7.414599	7.12889	7.32041	7.245051	7.202638	7.224196	7.293957
TRAF3IP1	TRAF3IP1	7.492755	7.657322	7.415393	7.650888	7.539768	7.883849	7.527403	7.641318	7.653242	7.702438	7.562897	7.563608
TRAF3IP2	TRAF3IP2	8.71731	8.790632	8.337828	8.18176	8.448288	9.079371	8.720681	8.825661	8.49833	8.610611	8.200077	8.315385
TRAF3IP3	TRAF3IP3	6.777773	7.09675	6.781782	7.037137	6.922106	6.858462	6.709203	6.86256	6.86155	6.878945	6.74032	6.749712
TRAF4	TRAF4	7.482492	7.766376	7.246961	7.63737	7.220494	7.195899	7.083826	7.086559	7.099933	7.085335	6.992527	6.945196
TRAF5	TRAF5	7.730539	8.039319	7.810132	7.814232	7.530277	7.305227	7.153055	7.214867	7.339702	7.123936	7.102728	7.000648
TRAF6	TRAF6	7.240734	7.513374	7.301063	7.46661	7.396032	7.845344	7.474557	7.73523	7.472021	7.637934	7.596276	7.280975
TRAF7	TRAF7	7.853411	7.902332	7.339457	7.475505	7.381295	7.47543	7.262097	7.40179	7.275022	7.393959	7.435496	7.136441
TRAFD1	TRAFD1	8.222372	8.841187	8.347641	8.839329	8.562963	9.189156	8.705478	8.797216	8.78047	8.68587	8.862007	8.557824
TRAIP	TRAIP	7.670443	7.948915	7.713256	7.825097	7.609484	7.539199	7.388835	7.454242	7.453584	7.342637	7.174171	7.346719
TRAK1	TRAK1	8.440262	8.729734	8.11545	8.511371	8.539941	8.788639	8.646122	8.72372	8.548761	8.555939	8.248516	8.613725
TRAK2	TRAK2	8.494679	8.617589	8.440398	9.150596	9.522144	10.69711	10.18526	10.5592	10.26391	10.5867	10.32897	10.12928
TRAM1	TRAM1	11.94812	12.47146	12.2785	12.57368	12.5223	12.58146	11.95354	12.2477	12.23754	12.00717	12.50989	12.33889
TRAM1L1	TRAM1L1	7.008674	7.180489	7.030431	7.132627	7.124386	7.187174	7.115578	7.038498	7.213767	7.091269	6.875393	7.05886
TRAM2	TRAM2	8.417276	8.892796	8.88604	9.105559	8.693831	8.35669	8.111229	8.379932	8.36962	8.46638	8.992626	8.679381
TRAP1	TRAP1	9.962148	9.960576	8.912276	9.144148	9.024699	9.279958	8.743279	8.936288	8.818641	8.945581	8.694498	8.723273
TRAPPC1	TRAPPC1	9.717655	10.05878	9.4588	10.02782	10.21123	10.84261	10.65494	10.71761	10.66969	10.91427	11.06767	10.37338

TRAPPC2	TRAPPC2	7.917898	8.166307	7.652023	8.131547	8.205594	8.30077	8.016608	8.127238	8.075461	8.026796	7.865711	7.665582
TRAPPC3	TRAPPC3	10.80371	11.12905	10.72698	10.57166	10.77025	11.82105	11.36386	11.02002	11.21897	11.12726	10.73259	11.21369
TRAPPC4	TRAPPC4	10.78853	11.27743	10.25536	10.80767	10.83512	11.79285	11.09874	11.09454	11.14586	11.04237	11.19221	10.7348
TRAPPC5	TRAPPC5	9.870876	10.51353	9.81593	9.936473	9.922696	10.44831	10.24939	10.08312	10.25018	10.3233	10.40502	10.03699
TRAPPC6A	TRAPPC6A	7.885222	8.326842	7.96592	8.097669	7.970227	8.319976	8.262782	7.936503	7.947258	8.109096	7.536376	7.690774
TRAPPC6B	TRAPPC6B	7.889839	8.358499	7.995986	8.200884	8.01126	8.602004	8.304405	8.109955	8.360025	8.258961	7.885538	8.210945
TRAT1	TRAT1	6.891258	7.057483	6.889677	7.04906	6.956722	6.99383	6.909539	6.935992	6.944931	7.053692	6.876201	6.779915
TRDMT1	TRDMT1	8.232159	7.861502	7.411639	7.531515	7.358446	7.449509	7.223807	7.246086	7.213618	7.142536	6.970707	6.919828
TRDN	TRDN	6.935177	7.216245	6.914779	7.007172	6.969391	7.707345	7.37822	7.506347	7.329433	7.484202	7.193804	7.153197
TREH	TREH	6.914759	7.140912	6.948864	7.070194	6.902206	7.100304	6.815014	6.883919	6.80376	6.879731	6.938687	6.852021
TREM1	TREM1	7.046748	7.261944	6.926757	7.105347	7.116758	6.951446	6.959467	7.051882	7.095146	7.109879	6.993116	6.975263
TREM2	TREM2	6.877483	7.120608	6.880771	7.090123	6.897532	6.936689	6.919077	7.004125	6.971658	7.044683	6.7692	6.805482
TREML1	TREML1	7.012127	7.077206	6.930021	7.068749	7.011429	7.15387	6.923731	6.935303	7.011274	6.970405	6.851646	6.875577
TREML2	TREML2	6.904009	7.072107	6.789752	7.018948	7.049455	7.122986	6.931965	7.031032	6.906343	6.950172	6.751657	6.879289
TREML2P	TREML2P	6.850833	7.184914	6.818294	7.096142	7.099638	7.180706	6.912338	6.937234	6.960187	7.112013	6.857022	6.813863
TREML3	TREML3	6.928198	7.029564	6.780617	7.014367	6.909361	6.91164	6.813732	6.915463	6.83725	6.864506	6.755751	6.803802
TREML4	TREML4	6.887393	6.93173	6.907314	7.106301	7.039954	6.856584	6.911328	6.969554	6.79705	6.999832	6.85553	6.936465
TRERF1	TRERF1	7.954157	8.081219	7.039685	7.312386	7.235522	7.192807	7.058499	7.099022	7.043035	7.056789	6.947775	7.053991
TREX1	TREX1	7.987964	8.237159	7.649808	7.962416	7.685701	7.784762	7.409265	7.540114	7.380633	7.50631	7.371801	7.305312
TREX2	TREX2	6.918031	6.951782	6.780927	6.979458	6.964364	6.956638	6.777307	6.88786	6.940015	6.839114	6.757053	6.784363
TRFP	TRFP	11.32	11.74546	11.20088	11.21309	11.01018	11.70434	10.86752	10.98711	10.77143	10.76555	10.56212	10.27087
TRG20	TRG20	9.300919	9.903139	9.557498	9.802299	9.756886	10.48584	9.622074	9.810142	9.840032	9.797109	10.05739	9.921958
TRH	TRH	6.892272	7.123857	7.137534	7.943189	9.09566	10.84799	10.30688	9.586631	8.739126	8.416368	7.587225	7.87798
TRHDE	TRHDE	6.904034	7.045731	6.68724	7.054088	7.014628	6.975093	6.906203	6.981862	6.974788	6.805272	6.788329	6.801262
TRHR	TRHR	6.872461	7.069033	6.734252	7.046266	6.973811	7.045211	6.823053	6.952504	6.934362	6.955587	6.757579	6.905041
TRIAD3	TRIAD3	7.846367	8.115182	8.069492	8.212902	8.412187	8.435616	8.340628	8.652415	8.554309	8.608401	8.903032	8.631664
TRIAP1	TRIAP1	10.3413	10.69699	9.999508	9.904574	9.725884	10.59067	10.00208	9.611666	10.00618	9.722182	9.482714	10.02492
TRIB1	TRIB1	11.03244	11.26198	10.42416	11.22749	10.67051	12.40864	11.77886	11.91605	11.20335	11.66814	11.41326	11.16153
TRIB2	TRIB2	10.00217	10.02296	9.520794	9.531366	9.209886	9.875858	9.179508	9.033456	8.970507	8.653155	8.138221	8.414596
TRIB3	TRIB3	8.380632	8.53802	7.668314	7.692665	8.129532	8.025871	7.897714	8.06352	8.780525	8.507684	8.66903	9.567734
TRIM10	TRIM10	6.845235	7.000616	6.75012	6.948004	6.88973	6.917673	6.834191	6.881523	6.830011	6.903221	6.744456	6.80382
TRIM11	TRIM11	7.60404	7.802373	7.490084	7.822852	7.508913	7.773314	7.481187	7.660038	7.426798	7.681707	7.501311	7.427252
TRIM13	TRIM13	8.324654	8.976154	8.429465	8.698463	8.924846	9.062771	8.800159	8.732578	8.812924	8.696486	8.415988	8.571784
TRIM14	TRIM14	6.976981	7.121904	6.817063	7.042721	6.987213	7.01301	6.833053	6.973298	6.898287	6.987056	6.772801	6.85955
TRIM15	TRIM15	6.906862	7.019735	6.704221	6.981655	6.905051	6.926086	6.787036	6.868401	6.835013	6.787149	6.720884	6.785759
TRIM16	TRIM16	6.875483	7.069391	6.873623	6.959359	6.956989	7.053296	6.931936	6.949996	6.960374	6.979693	6.876103	6.888358

TRIM16L	TRIM16L	6.94941	7.153954	6.74153	7.120689	6.918462	6.905513	6.915886	6.987779	7.032141	7.030689	6.938412	7.102309
TRIM17	TRIM17	6.957467	7.229919	7.644523	7.807042	7.422117	7.322944	7.214964	7.218553	7.170295	7.27173	6.960282	7.011354
TRIM2	TRIM2	9.881851	10.36842	10.38758	9.863185	9.695989	10.18601	10.07621	9.611492	9.95137	9.468666	8.839354	9.309515
TRIM21	TRIM21	7.653718	8.03742	7.45855	7.642239	7.566805	7.47522	7.430529	7.545115	7.498184	7.54055	7.707021	7.554912
TRIM22	TRIM22	9.319068	8.65478	7.105066	7.168893	7.11318	7.111044	7.049837	7.321608	7.20135	7.165713	7.746592	7.783085
TRIM23	TRIM23	7.597951	7.976547	7.585302	7.949065	7.900582	8.766755	8.256514	8.336449	8.404326	8.277839	7.922033	8.189614
TRIM24	TRIM24	9.504114	10.3132	8.91547	9.345621	9.382482	9.96545	9.250252	9.328986	8.89278	8.921753	8.694074	8.568834
TRIM25	TRIM25	8.304658	8.495553	7.376236	7.700303	7.631062	7.712576	7.562681	7.69676	7.551532	7.711645	7.657983	7.576995
TRIM26	TRIM26	8.290888	8.901234	8.1382	8.749881	8.223444	8.333997	8.030243	8.215917	8.146544	8.091364	8.16391	7.810276
TRIM28	TRIM28	10.73613	10.81877	9.984077	10.06592	9.51948	9.818637	8.887661	9.355043	8.973781	9.073128	9.532281	8.89823
TRIM29	TRIM29	7.099143	7.33616	6.98514	7.283662	7.422108	8.18264	8.482041	8.333507	8.342839	8.396482	7.609109	7.954066
TRIM3	TRIM3	7.185786	7.234746	6.948084	7.247933	7.201141	7.441339	7.150646	7.183969	7.158645	7.257038	7.158761	7.158505
TRIM31	TRIM31	6.96673	7.229154	6.934409	7.052222	6.933862	7.124648	6.897102	6.957462	6.956423	6.931813	6.770986	6.920097
TRIM32	TRIM32	8.311743	8.812585	8.247707	8.306712	8.584034	9.387503	8.648334	8.954362	8.581329	8.685034	8.843059	8.625122
TRIM33	TRIM33	9.4274	9.665619	9.225435	9.70497	9.367912	9.445078	8.861861	8.864107	8.777227	8.553791	8.343009	8.326953
TRIM34	TRIM34	6.888942	7.089397	6.814777	7.053791	6.941066	7.013731	6.869525	6.972029	6.892572	6.889823	6.726587	6.812818
TRIM35	TRIM35	7.212245	7.512455	7.078406	7.387817	7.167004	7.311364	7.105729	7.108927	7.090473	7.172675	6.873222	7.067091
TRIM36	TRIM36	7.293098	7.485141	7.443201	7.398118	7.37265	7.291833	7.170321	7.182187	7.315052	7.231971	6.995428	7.030868
TRIM37	TRIM37	8.568872	8.789154	8.348582	8.365889	7.97854	8.601227	8.122421	8.305593	8.091137	8.198392	8.172999	8.104661
TRIM38	TRIM38	6.841713	7.250841	6.945736	7.121487	7.078289	7.00075	6.955749	7.01557	7.140891	7.024692	7.165955	6.955381
TRIM39	TRIM39	8.811263	8.922228	8.421624	8.265961	8.094622	8.118227	7.900455	7.965585	8.073533	7.940441	7.881837	7.891186
TRIM4	TRIM4	7.509702	7.340933	7.135647	7.539847	7.521906	7.489761	7.311176	7.267613	7.293283	7.263175	7.180602	7.375321
TRIM40	TRIM40	6.964877	7.163571	6.753755	7.077761	6.874351	6.959345	6.867124	6.896394	6.848714	6.878397	6.848312	6.752619
TRIM41	TRIM41	7.761062	8.177912	7.904693	8.116438	8.038607	8.194753	7.879783	7.944797	7.9435	7.96987	7.815406	7.880634
TRIM42	TRIM42	6.864115	6.940113	6.871818	6.941079	6.906274	7.119825	6.840291	6.965921	6.877066	7.043571	6.834144	6.791454
TRIM43	TRIM43	6.8723	7.125718	6.772603	6.958925	6.933767	6.860356	6.796621	6.765001	6.823487	6.969371	6.744641	6.846078
TRIM44	TRIM44	9.658362	9.896167	9.87531	10.48219	10.72381	10.82966	10.33895	10.67546	10.30645	10.44007	10.47358	10.5931
TRIM45	TRIM45	8.554592	8.724867	7.76746	8.040626	8.007782	8.078014	7.721116	7.749505	7.935985	7.623481	7.370164	7.508664
TRIM46	TRIM46	8.060432	7.963803	7.135023	7.400543	7.416883	7.255712	7.153583	7.190974	7.406751	7.161659	7.09411	6.941881
TRIM47	TRIM47	7.151399	7.276665	6.863149	7.208718	7.07171	7.204391	7.164684	7.383709	7.178666	7.456091	7.631497	7.317031
TRIM48	TRIM48	6.830704	6.980374	6.877196	7.016597	7.020409	6.979383	6.872966	6.894141	6.844451	6.974741	6.82312	6.795065
TRIM49	TRIM49	7.377295	7.647733	7.301455	7.441593	7.404446	7.577259	7.354022	7.392682	7.429806	7.398207	7.170128	7.374213
TRIM5	TRIM5	8.102408	8.292597	7.809406	8.46527	8.286767	8.427851	8.006198	8.182194	7.979254	7.924176	7.795459	7.682749
TRIM50A	TRIM50A	6.848891	7.071623	6.795308	7.019381	6.924482	7.048204	6.813338	6.924526	6.935967	6.83114	6.905894	6.793817
TRIM50B	TRIM50B	6.878584	7.078335	6.785086	7.074161	6.990282	7.060495	6.913236	6.973748	6.948275	7.020879	6.796474	6.873422
TRIM51	TRIM51	7.233525	7.307905	7.052552	7.277573	7.538433	7.507358	7.244453	7.297452	7.204642	7.292346	7.072733	7.360097

TRIM52	TRIM52	7.200385	7.201388	7.188974	7.433742	7.503687	7.640258	7.377442	7.327166	7.286999	7.363027	7.067686	7.167009
TRIM54	TRIM54	7.066812	7.346026	6.834048	7.101555	7.110843	8.114229	7.880669	8.064375	7.614597	8.162607	7.659856	7.786047
TRIM55	TRIM55	6.838683	7.023094	7.016075	9.014378	9.646135	11.90449	11.12123	11.32277	10.94204	11.21829	10.5364	9.724219
TRIM56	TRIM56	8.098708	8.635062	7.458328	7.482446	7.842845	7.890456	7.793028	7.778514	7.952992	7.924542	7.646847	7.72105
TRIM58	TRIM58	7.171435	7.30243	6.973428	7.295731	7.135064	7.467712	7.236324	7.524377	7.307013	7.209533	7.192825	6.98641
TRIM59	TRIM59	7.163909	7.402679	7.119678	7.107966	7.003503	7.031232	6.939844	6.916372	6.965556	7.00493	6.861035	6.703091
TRIM6	TRIM6	8.341617	8.33612	7.578678	7.846924	7.885281	7.301447	7.164843	7.324618	7.231367	7.209131	7.023616	6.939565
TRIM60	TRIM60	6.974176	7.157049	6.913817	7.205346	7.009476	7.047382	6.907556	7.040907	6.980264	7.093484	6.876813	7.000186
TRIM61	TRIM61	7.250734	7.63734	7.298794	7.511963	7.47787	7.671428	7.283888	7.473833	7.351459	7.242525	7.177935	7.165772
TRIM62	TRIM62	7.018017	7.141428	6.927906	7.065865	7.029344	7.16684	6.922792	7.046529	6.956552	6.914845	6.852138	6.994968
TRIM63	TRIM63	6.932681	7.227581	6.947542	7.116021	7.674154	9.446018	10.35352	10.39572	10.57062	11.04246	10.12934	10.91088
TRIM64	TRIM64	6.921894	7.04276	6.779673	7.033031	6.941369	7.000582	6.938574	7.049898	6.844599	7.011933	6.793821	6.895866
TRIM65	TRIM65	8.089708	8.001762	7.520042	7.640696	7.387415	7.530503	7.49362	7.502923	7.376461	7.397716	7.251121	7.166227
TRIM67	TRIM67	6.962339	7.242976	6.927892	7.251601	7.156262	7.152799	7.008453	7.06528	7.051913	7.118246	7.022613	6.978461
TRIM68	TRIM68	8.317747	8.749676	8.280528	8.550519	8.752949	8.638868	8.48831	8.620591	8.651342	8.744667	8.423682	8.396144
TRIM69	TRIM69	6.829643	7.186449	6.781627	7.122037	6.958895	7.453701	7.281143	7.372877	7.337593	7.356683	7.328926	7.513468
TRIM6-TRI	TRIM6-TRI	6.889042	7.061197	6.804175	6.947666	6.993001	6.953104	6.877278	6.923335	6.855031	6.776779	6.758166	6.850036
TRIM7	TRIM7	7.016251	7.148348	6.881479	7.046705	6.986761	7.095638	6.94918	7.011233	7.082385	7.018425	7.018903	6.919561
TRIM71	TRIM71	10.68962	10.84497	9.80761	9.396361	7.840248	7.567113	7.076524	7.145266	7.049046	6.984123	6.827832	6.830929
TRIM74	TRIM74	6.931534	7.130318	6.887419	7.057337	6.974974	7.086042	6.972347	7.108355	6.982979	6.949522	6.84965	6.905626
TRIM8	TRIM8	9.281256	10.03413	9.125689	10.17165	10.10303	10.87815	10.62861	10.69358	10.34281	10.49943	10.4969	9.996678
TRIM9	TRIM9	7.770345	7.97274	7.075751	7.183832	7.189167	7.317852	7.268162	7.358305	7.373095	7.354947	7.10034	6.945792
TRIO	TRIO	7.631249	8.304367	7.695616	7.87543	7.611688	7.856684	7.597779	7.840181	7.752139	7.624806	7.884994	7.9115
TRIOBP	TRIOBP	7.005956	7.210221	7.174281	7.452745	7.179477	7.477	7.337016	7.538418	7.467614	7.486869	7.446087	7.528129
TRIP10	TRIP10	7.971239	8.128366	8.042749	8.095621	7.817564	8.02804	7.738271	7.915377	7.696865	7.915451	8.033789	7.778701
TRIP11	TRIP11	8.558832	9.136183	8.585364	9.162576	8.679411	9.445471	8.863987	9.005456	8.846916	8.779725	8.511882	8.78885
TRIP12	TRIP12	9.445421	10.31831	9.898556	10.33972	9.97991	10.51643	10.24114	10.00147	10.02682	10.01378	9.940083	10.28928
TRIP13	TRIP13	10.20704	10.42219	9.73504	9.839871	9.332571	9.167549	8.730512	8.787498	8.403274	8.447778	8.317928	7.729232
TRIP4	TRIP4	8.65766	9.112349	9.118978	9.461618	9.146285	9.931299	9.255409	9.537316	9.26185	9.32028	9.405168	9.118195
TRIP6	TRIP6	10.76631	11.33516	10.08094	10.30716	10.01485	10.13758	9.611255	9.614687	9.590576	9.607687	9.797537	9.546754
TRIT1	TRIT1	9.983944	9.909598	9.641748	9.777049	9.803611	9.799086	9.292802	9.106022	9.446228	9.371948	9.207953	9.195768
TRK1	TRK1	7.351801	8.216885	7.718686	7.693266	7.975247	8.660228	8.041428	7.938508	8.098562	8.046166	7.87554	7.560788
TRMT1	TRMT1	9.94336	10.25619	9.15046	9.144472	8.944386	9.28462	8.596858	8.573716	8.690788	8.578654	8.390199	8.760067
TRMT12	TRMT12	9.502355	9.985965	9.246119	9.032429	8.98102	9.298414	8.831086	8.673158	8.764076	8.550135	8.279053	8.503519
TRMT5	TRMT5	11.44812	12.2056	12.13795	11.97663	11.7455	11.95566	11.6712	11.50577	11.65338	11.59678	10.97428	10.69862
TRMU	TRMU	7.619698	7.88493	7.513364	7.807052	7.605314	8.061709	7.960761	7.873422	7.811483	7.94927	7.471326	7.53136

TRNT1	TRNT1	7.849918	8.236688	7.788694	7.914631	7.94645	8.35932	7.993865	7.985418	8.028002	7.895838	7.922183	7.843063
TRO	TRO	9.638551	10.04316	10.22734	10.83233	10.83279	10.27937	10.02638	9.840613	10.12722	9.420265	8.999901	9.132954
TROAP	TROAP	9.286675	9.312693	8.842024	9.284078	9.074623	8.357522	8.214548	8.164176	8.11701	8.074484	7.546274	7.013258
TROVE2	TROVE2	10.52697	10.55651	10.38662	10.69982	10.58353	11.00225	10.33364	10.324	10.21465	9.979571	9.828442	9.952553
TRPA1	TRPA1	6.869368	7.138908	6.85409	7.075468	6.951834	6.904292	6.858562	7.034791	6.767095	7.038721	6.79772	6.803725
TRPC1	TRPC1	8.362836	8.946099	8.734684	9.380168	9.580467	10.58877	9.777995	9.731351	9.32696	9.327723	8.921465	9.154683
TRPC2	TRPC2	6.829994	6.89681	6.736432	7.053188	6.985412	6.943589	6.854775	6.93818	6.791277	6.933454	6.8075	6.78654
TRPC3	TRPC3	7.004433	7.199847	6.966476	7.357101	7.383662	8.671191	8.3787	8.190552	7.620062	7.410414	7.165583	7.000227
TRPC4	TRPC4	7.120338	7.338307	6.907683	7.151363	7.199856	7.23957	7.084541	7.108903	7.001819	7.127943	6.886952	6.931324
TRPC4AP	TRPC4AP	9.53362	9.924764	9.319737	9.902058	9.66712	9.926174	9.59967	9.98782	9.563839	9.675209	9.835534	9.318538
TRPC5	TRPC5	6.97497	7.1431	6.7899	7.154458	7.048192	7.09481	6.968498	6.964449	6.895634	6.941068	6.802322	6.910663
TRPC6	TRPC6	7.429896	7.73492	7.592227	7.514258	7.362462	7.157466	7.016143	7.194056	7.193404	7.191436	6.884364	7.066445
TRPC7	TRPC7	6.777923	7.032166	6.78199	6.947438	6.972288	6.918472	6.796189	7.03429	6.828082	6.960226	6.825982	6.763412
TRPM1	TRPM1	6.84448	7.010933	6.696814	6.972347	6.795338	6.9103	6.680594	6.905977	6.852716	6.888074	6.665522	6.768393
TRPM2	TRPM2	6.957338	7.111307	6.839609	7.013736	7.015714	6.995682	6.934731	6.949358	6.876415	6.980276	6.800899	6.827655
TRPM3	TRPM3	7.087973	7.587899	7.012356	7.094207	6.995157	6.971324	6.897406	7.003677	6.952484	6.995817	6.866193	6.879225
TRPM4	TRPM4	7.720604	7.796899	7.498557	8.308067	8.498529	9.652312	9.550116	9.09858	9.008592	9.029391	8.338502	9.003152
TRPM5	TRPM5	6.896464	7.097268	6.7475	7.038902	7.031654	6.952307	6.9449	6.852619	6.812719	6.842864	6.741708	6.800739
TRPM6	TRPM6	7.3163	7.302652	7.319571	7.205206	7.008381	7.009259	6.829504	6.951956	6.926037	6.890037	6.73828	6.846117
TRPM7	TRPM7	7.103002	7.062243	6.882049	7.12894	7.072289	7.080135	7.133509	7.032584	7.019847	7.064389	6.87031	6.952239
TRPM8	TRPM8	6.809306	7.062027	6.796554	6.963502	6.876785	6.908536	6.839267	6.913139	6.780946	6.899785	6.792662	6.819888
TRPS1	TRPS1	7.100249	7.363512	6.991079	7.170407	7.278622	7.19176	7.085153	7.282157	7.229925	7.109099	7.107589	7.010212
TRPT1	TRPT1	9.715629	9.769647	9.341134	9.55851	9.970247	10.47306	10.36983	10.08525	10.24966	10.30023	9.665135	9.619678
TRPV1	TRPV1	6.934187	7.172516	6.843874	7.095966	7.141136	7.21548	7.028023	7.097027	7.059452	7.055981	6.85697	6.8637
TRPV2	TRPV2	6.951191	6.954533	6.887698	7.172385	6.883886	7.067	6.761187	6.830446	6.851904	6.88851	6.848294	6.886464
TRPV3	TRPV3	6.999208	7.235134	7.014684	7.059675	7.037634	7.220948	6.915683	7.045436	7.006454	7.080678	6.93444	6.965405
TRPV4	TRPV4	6.932264	7.116082	6.961137	7.159926	6.917633	6.977196	6.822137	6.995595	6.899304	6.892089	6.778208	6.829687
TRPV5	TRPV5	6.916916	7.082106	6.8252	7.038521	6.884336	7.03553	6.917507	6.917749	6.932294	7.037529	6.819489	6.915787
TRPV6	TRPV6	6.895872	7.000045	6.866891	7.038316	6.972938	6.974241	6.856082	6.947821	6.828602	6.860609	6.733209	6.81888
TRQ1	TRQ1	7.376376	7.917717	7.475086	7.348448	7.519786	7.87328	7.450294	7.380148	7.381125	7.605234	7.373443	7.10862
TRR1	TRR1	6.742256	6.971125	6.843959	7.029023	6.966042	6.970514	6.81883	6.935364	6.814234	6.969456	6.732667	6.773372
TRRAP	TRRAP	10.71265	10.98139	10.72984	11.03562	10.81862	10.53465	10.02889	9.934846	9.812784	9.507104	9.399123	9.415465
TRSPAP1	TRSPAP1	7.31225	7.630302	7.322139	7.575608	7.42168	7.751065	7.559241	7.551578	7.56687	7.572972	7.206637	7.345881
TRUB1	TRUB1	7.297903	7.611863	7.23846	7.617214	7.408117	7.865856	7.299046	7.636406	7.383796	7.405061	7.433646	7.142346
TRUB2	TRUB2	7.606668	8.09993	7.425829	7.639382	7.549414	8.058183	7.912786	7.805283	7.927746	8.001125	7.600609	7.783826
TRY1	TRY1	6.882569	7.25087	6.815766	7.030938	6.996556	7.096262	6.837511	6.828001	7.009459	7.052773	6.893352	6.985472

TRY6	TRY6	6.783573	7.076732	6.945862	6.940047	6.909633	6.861281	6.969181	6.938246	6.915683	6.832767	6.635722	6.810256
TSC1	TSC1	8.393649	8.927841	8.382603	8.89635	8.859773	8.773015	8.522762	8.514947	8.535254	8.39706	8.169511	8.256301
TSC2	TSC2	7.448412	7.613148	7.219701	7.661785	7.511166	7.599497	7.505411	7.58882	7.463015	7.611814	7.384823	7.28997
TSC22D1	TSC22D1	9.743537	9.980235	9.909085	10.98484	11.06383	12.16486	11.31741	11.28743	11.15096	11.04781	11.04508	10.99995
TSC22D2	TSC22D2	9.140083	9.539392	9.071139	9.895509	9.839937	10.75645	10.33456	10.27147	10.17142	10.20551	9.830231	9.865421
TSC22D3	TSC22D3	7.468169	7.638255	7.389628	8.079806	8.081625	9.212757	8.886372	8.817106	8.576385	8.496384	8.487242	8.372774
TSC22D4	TSC22D4	7.267152	7.400062	7.236908	7.316038	7.399364	7.615861	7.566765	7.622189	7.411276	7.593189	7.705786	7.601327
TSCOT	TSCOT	7.400005	7.693887	7.508681	7.530918	7.386844	7.767926	7.651167	7.538746	7.752339	7.677646	7.363488	7.602062
TSEN2	TSEN2	9.425366	9.855305	9.339478	9.397979	9.262084	9.259378	8.685562	8.722026	8.864322	8.661553	8.298663	8.386697
TSEN34	TSEN34	10.06425	10.42496	9.964817	10.48064	10.96046	11.35824	11.00891	10.91876	10.99801	10.86004	10.6778	10.54985
TSEN54	TSEN54	8.177503	8.376194	7.730306	8.279678	8.115179	7.968016	7.934469	7.754954	7.803605	7.677723	7.408805	7.469029
TSFM	TSFM	8.538544	8.71118	8.205447	8.225032	8.13745	8.694827	8.315919	8.382551	8.180902	8.469802	8.102006	8.092044
TSG101	TSG101	10.75933	11.07985	11.00856	11.17533	11.26929	12.10305	11.64079	11.8191	11.66811	11.80714	11.84588	11.47353
TSGA10	TSGA10	7.053111	7.188439	7.006671	7.086368	7.043537	7.149768	6.912448	6.974469	6.912792	6.934539	6.786937	6.933347
TSGA10IP	TSGA10IP	7.14341	7.26474	6.935663	7.187677	7.109408	6.928603	6.881364	7.105814	6.921304	6.987521	6.840852	6.928412
TSGA13	TSGA13	6.852682	7.038744	6.756709	6.91362	7.023484	7.013684	6.897251	6.939379	6.942497	6.868369	6.756879	6.764528
TSGA14	TSGA14	7.945358	8.167301	7.978208	8.740835	8.836445	8.397391	8.037947	8.068554	8.1056	7.674924	7.909971	7.4881
TSGA2	TSGA2	6.862028	7.115821	6.982014	7.001169	6.985199	7.053772	6.905224	6.855985	6.971229	6.917767	6.769976	6.869259
TSHB	TSHB	6.815247	7.102982	6.730023	6.878474	6.910885	6.827563	6.742376	6.859737	6.832646	6.924729	6.741784	6.782259
TSHR	TSHR	6.834256	7.041518	6.791531	7.027164	6.939584	6.945598	6.860894	6.905884	6.831925	6.899691	6.810321	6.833374
TSKS	TSKS	6.894225	6.906705	6.76415	7.004103	6.93656	6.794562	6.841073	6.973264	6.842312	6.919058	6.61202	6.81515
TSLP	TSLP	7.015479	7.215051	6.890986	7.131236	7.067618	7.123045	6.94416	7.020947	6.982214	7.090457	6.956293	6.936377
TSN	TSN	7.253314	7.474289	7.252096	7.346061	7.319042	7.299182	7.150899	7.082036	7.280396	7.295416	7.011125	7.15677
TSNARE1	TSNARE1	6.902625	7.06629	6.885708	7.021294	6.999092	6.954589	6.92356	6.931698	7.031023	7.012459	6.754015	6.96583
TSNAX	TSNAX	8.302127	8.502139	8.300811	8.239166	8.40054	9.406355	8.599888	8.975138	8.633337	8.654416	9.106881	8.923184
TSNAXIP1	TSNAXIP1	6.899575	7.221024	6.953072	7.281548	7.139117	7.081507	6.984315	7.049051	7.071384	7.036304	6.930887	6.897055
TSP50	TSP50	6.947448	7.080489	6.80672	7.026307	6.974676	7.602039	7.555089	7.535443	7.299439	7.704853	7.169076	7.158497
TSPAN1	TSPAN1	7.009378	7.100858	6.970986	7.204699	7.059327	7.269339	6.947969	7.120633	7.113844	6.99668	6.968287	7.097582
TSPAN10	TSPAN10	7.016091	7.275653	7.046661	7.483275	7.391508	7.476878	7.242421	7.153079	7.205489	7.056791	7.120243	7.081298
TSPAN11	TSPAN11	6.923211	7.120789	6.887027	7.11677	6.998744	7.098961	7.01658	7.016145	7.000168	7.038909	6.8238	6.847833
TSPAN12	TSPAN12	7.639026	7.893962	7.933776	8.295716	8.169315	7.742695	7.574875	7.677187	8.018325	8.101383	7.828618	7.947397
TSPAN13	TSPAN13	9.332084	9.552257	9.024211	9.722726	9.512817	10.74689	10.13992	10.03952	10.16574	9.667347	9.945787	8.897377
TSPAN14	TSPAN14	7.342166	7.61906	7.493337	7.774489	7.471144	7.367302	7.162198	7.234179	7.182059	7.23169	7.079253	7.07152
TSPAN15	TSPAN15	7.184664	7.163626	6.937091	7.275028	7.536717	7.364311	7.188911	7.178776	7.041492	7.13368	7.045783	6.990599
TSPAN16	TSPAN16	6.885982	7.129845	6.845392	7.05672	6.94673	6.935978	6.837183	6.988694	6.916061	6.864314	6.759978	6.915732
TSPAN17	TSPAN17	10.53291	10.80956	10.09486	10.02461	10.04578	9.902707	9.96286	9.90732	9.935254	9.803087	9.757584	10.28267

TSPAN18	TSPAN18	7.377904	7.77963	7.969788	9.19073	8.962266	8.897603	9.102309	8.927399	9.179105	9.079513	7.913692	8.658812
TSPAN19	TSPAN19	7.131904	7.251642	6.892505	7.141633	7.049636	7.257504	7.048084	7.083492	7.044794	7.142587	6.864686	6.974454
TSPAN2	TSPAN2	7.013987	7.154916	6.817765	7.409744	7.594659	7.891812	7.610766	7.439439	7.329359	7.275839	6.980453	7.031989
TSPAN3	TSPAN3	10.18628	10.51878	10.72357	11.12231	10.9087	11.29689	11.20012	11.42951	11.44833	11.44553	11.35116	11.05384
TSPAN31	TSPAN31	9.714671	10.12408	9.69094	10.01025	10.32596	10.80791	10.63181	10.50599	10.69833	10.78317	10.45404	10.80931
TSPAN32	TSPAN32	6.821967	7.016942	6.890434	7.247991	7.970465	9.642649	9.643969	9.356887	9.106625	9.059859	7.941477	9.394427
TSPAN33	TSPAN33	10.00548	10.04854	8.650118	8.404549	7.662579	7.719405	7.700224	7.526695	8.226617	7.857601	7.268977	7.827416
TSPAN4	TSPAN4	8.781738	8.733904	7.81696	8.706188	9.074807	8.75585	8.352502	8.374318	8.625386	8.615402	8.669932	8.980262
TSPAN5	TSPAN5	9.166078	9.480881	9.298622	10.6651	10.8606	9.926612	9.640673	9.816849	9.864076	9.197211	8.959777	9.305626
TSPAN6	TSPAN6	9.966369	10.47464	10.32244	10.64345	10.12507	10.12737	9.21882	9.114463	8.972452	8.666437	8.619753	8.55574
TSPAN7	TSPAN7	9.183375	9.648844	8.329075	8.386186	9.060776	10.86727	9.689181	9.66017	9.707046	9.117877	8.32198	8.194559
TSPAN8	TSPAN8	6.977087	7.350337	6.800993	7.112903	7.049665	7.111277	6.963795	7.0295	7.797441	7.126676	7.134257	6.940108
TSPAN9	TSPAN9	10.84138	10.58657	11.05702	11.5148	11.95453	12.29134	12.53398	12.81996	12.91689	13.09836	12.71603	12.93597
TSPO	TSPO	9.511028	9.003113	8.289666	8.435188	8.616286	8.204914	8.756052	9.297948	9.917938	9.844005	10.72282	9.769045
TSPY1	TSPY1	6.850724	6.994906	6.84754	7.003357	6.840397	6.898826	6.868706	6.887231	6.88309	6.941644	6.703897	6.802427
TSPY2	TSPY2	6.876069	7.117553	6.784995	6.988733	6.912222	6.906586	6.845063	6.950064	6.838593	6.962332	6.736513	6.883103
TSPYL1	TSPYL1	10.05184	10.40192	9.851211	9.901738	9.885927	10.68429	10.32049	10.40302	10.33392	10.19613	10.0641	10.39059
TSPYL2	TSPYL2	7.262218	7.445305	7.226379	7.442226	7.416776	7.634427	7.22489	7.295968	7.323052	7.325467	7.219858	7.339407
TSPYL3	TSPYL3	8.754605	9.122099	8.484295	8.542613	8.502649	9.001179	8.727125	8.71861	8.772026	8.532907	8.051147	8.016064
TSPYL4	TSPYL4	7.58817	7.962766	7.756551	8.042842	7.972577	8.380635	7.934509	8.227077	8.160047	8.092249	8.260651	8.425039
TSPYL5	TSPYL5	7.620795	7.599445	7.07474	7.092684	7.005614	7.158051	7.101561	7.010689	7.051873	7.043112	6.923766	6.947281
TSPYL6	TSPYL6	6.90521	6.996466	6.796048	7.008142	6.868249	6.993521	6.874455	6.913319	6.909907	6.936264	6.733516	6.984654
TSR1	TSR1	8.223761	8.478775	7.766962	7.816459	7.826971	8.053643	7.636237	7.837571	7.560592	7.890465	7.945701	8.087292
TSRC1	TSRC1	6.917883	7.103178	6.848188	7.279238	7.605847	8.049937	7.847576	7.891771	7.498617	7.721937	7.296298	7.179826
TSSC1	TSSC1	9.518072	9.898665	9.436611	9.324159	9.09952	9.499452	9.057258	9.216712	9.002155	9.142453	9.327167	8.560341
TSSC4	TSSC4	9.066543	9.822939	9.204036	9.630599	9.622809	9.927195	9.347901	9.093821	9.436815	9.325541	9.126287	9.475085
TSSK1	TSSK1	7.078409	7.284377	6.833329	7.225079	7.078409	7.336057	7.026286	7.087623	7.076451	7.005315	6.882283	6.913404
TSSK2	TSSK2	6.850838	7.018114	6.796682	7.035731	6.965168	6.859699	6.876106	6.933336	6.82863	6.889399	6.713344	6.894843
TSSK3	TSSK3	7.29795	7.459254	7.234233	7.33143	7.192885	7.509769	7.414872	7.23331	7.316801	7.303966	7.019181	7.23817
TSSK4	TSSK4	6.937995	7.128375	6.786482	7.107412	6.951175	6.964546	6.789659	6.948679	6.863423	6.907498	6.834831	6.803584
TSSK6	TSSK6	6.926595	7.079316	6.879902	7.141747	7.056732	6.9672	6.753767	6.979328	6.861037	7.075672	6.801469	6.98548
TST	TST	11.46187	11.6574	11.22848	11.68199	11.65245	12.31078	11.6895	11.47603	11.45486	11.30284	10.87579	10.63435
TSTA3	TSTA3	8.218687	8.733701	7.945084	8.118202	7.808197	8.225121	7.856585	8.029154	7.831935	8.041882	8.200771	7.727397
TTBK1	TTBK1	6.96653	7.236028	6.872494	7.014445	6.83331	6.921113	6.940437	6.969972	6.786315	7.006076	6.652246	6.787754
TTBK2	TTBK2	6.975513	7.057744	6.858897	7.011924	7.001295	7.058966	7.152343	6.975952	7.03	6.966591	6.80411	6.977166
TTC1	TTC1	9.719	10.24556	9.612847	9.584362	9.070539	10.04352	9.640741	9.934175	9.761622	9.939387	9.809258	10.0443

TTC10	TTC10	7.148264	7.349511	7.344006	7.917021	7.947707	8.033278	7.916933	8.114565	7.907512	7.8527	7.650061	7.633166
TTC12	TTC12	7.201124	7.404465	7.710851	8.095812	8.045025	8.319287	8.021919	8.090483	7.719648	7.794222	7.304233	7.363574
TTC13	TTC13	7.857847	8.326548	7.886078	8.525536	8.292566	8.497054	8.12449	8.133494	8.144387	7.985243	8.005785	8.098504
TTC14	TTC14	8.255192	8.751236	8.389417	8.941658	9.158447	9.704633	9.092226	9.151415	9.004374	8.871905	8.777191	8.908248
TTC15	TTC15	9.274552	9.555369	9.068016	9.627312	9.60917	10.25643	9.722344	10.02431	9.65336	9.841405	10.03522	9.582125
TTC16	TTC16	7.644618	7.938451	7.506274	7.684997	7.506419	7.858748	7.490578	7.470707	7.412798	7.421805	7.275359	7.321647
TTC17	TTC17	9.317718	9.159081	9.133011	9.686907	9.524943	9.245477	8.95489	8.997395	9.029733	8.877675	8.628091	8.773418
TTC18	TTC18	6.863939	7.172384	6.822279	7.131823	7.217538	7.464972	7.250907	7.183918	7.142761	7.242083	6.896078	7.073961
TTC19	TTC19	10.28591	10.43784	9.829354	9.850027	9.576035	10.47327	9.751868	9.968667	9.654329	9.780666	10.0265	9.674627
TTC21A	TTC21A	7.042005	7.163161	7.00554	7.337943	7.33081	7.280724	6.89521	7.092653	7.119007	7.049291	6.937942	7.126949
TTC21B	TTC21B	6.870573	7.070335	6.798415	7.028562	6.893834	6.879436	6.781428	6.939707	6.931657	6.961869	6.762038	6.790204
TTC22	TTC22	6.775371	6.971155	6.729714	6.911792	6.848547	6.911367	6.760075	6.888397	6.880542	6.912864	6.798447	6.783221
TTC23	TTC23	8.288334	8.332014	7.827802	8.394982	8.525857	8.565785	8.39272	8.291816	8.182014	8.248341	8.120436	8.073569
TTC25	TTC25	7.462117	7.690379	7.697866	7.891088	8.177169	8.20739	8.020585	7.965864	8.002929	7.913356	7.283389	7.535952
TTC3	TTC3	9.460099	9.525909	10.36863	11.4793	11.50163	10.80024	10.62091	10.79342	11.15216	10.31964	10.56069	10.34034
TTC32	TTC32	7.820809	7.870747	8.03858	8.097051	8.09756	9.052721	8.462773	8.401053	8.385891	8.454277	7.999241	8.155165
TTC4	TTC4	10.21019	10.75647	10.37534	10.68678	10.67677	11.18832	10.7709	10.87915	10.91462	10.75542	10.50658	10.56365
TTC5	TTC5	8.724118	9.078599	8.767067	9.026627	8.854797	8.737757	8.397672	8.547671	8.534083	8.374397	8.484676	8.528272
TTC6	TTC6	6.756444	6.893664	6.830982	6.889584	6.853717	6.79076	6.823791	6.850191	6.780452	6.83864	6.730546	6.790252
TTC7A	TTC7A	6.990806	7.464184	6.906371	7.159199	7.244928	7.077521	7.00673	7.027676	6.882812	6.988221	6.890434	6.857062
TTC7B	TTC7B	7.130021	7.266072	7.00944	7.234607	7.139608	7.230404	7.211582	7.176991	7.12905	7.284791	6.892708	7.082862
TTC8	TTC8	7.682513	7.929599	7.926038	8.042529	8.266195	8.283841	8.111867	8.197346	8.255222	8.053271	8.071108	8.155155
TTC9B	TTC9B	6.853981	6.989827	6.89858	7.037031	6.812833	6.875945	6.746236	6.810418	6.996842	6.849299	6.797782	6.747385
TTC9C	TTC9C	7.789237	8.012536	7.659498	7.894816	7.993301	8.547941	8.136579	7.968629	8.22194	7.986358	7.901012	7.854612
TTF1	TTF1	7.972342	8.252047	7.836018	8.031039	7.736636	7.964604	7.606695	7.89567	7.664895	7.909376	7.789171	7.771449
TTF2	TTF2	10.34907	10.70562	9.965721	9.660037	9.306224	8.843547	8.124257	8.005574	8.088339	7.892395	7.858911	7.511873
TTK	TTK	10.58593	11.18973	10.72416	10.42551	9.776837	9.596731	9.004012	8.941993	9.043674	8.735164	8.088336	7.674536
TTL	TTL	9.462426	9.831234	9.213502	9.648873	9.295205	9.9442	9.775428	9.660332	9.742199	9.583564	9.407361	9.433513
TTLL1	TTLL1	7.111275	7.263801	6.87029	7.279988	7.304806	7.513039	7.506626	7.585965	7.433796	7.408676	7.294049	7.368449
TTLL10	TTLL10	6.818237	6.981327	6.831786	7.019239	6.859899	6.779329	6.924577	6.915082	6.868409	6.842963	6.681945	6.670779
TTLL11	TTLL11	6.879718	7.233479	6.863107	7.186801	7.035272	7.1061	7.026427	7.058918	7.051566	7.027288	6.960101	7.203814
TTLL12	TTLL12	10.19567	10.1195	8.674328	8.954291	8.327807	8.25094	8.025946	8.138521	8.105406	8.052437	8.194377	8.000393
TTLL13	TTLL13	6.802347	7.156351	6.792232	7.037559	7.083576	6.9379	6.850297	6.849436	7.010721	6.980442	6.782906	6.94206
TTLL2	TTLL2	6.918052	7.068201	6.789523	7.071941	6.94373	6.916251	6.820516	6.94003	6.921802	6.92888	6.831675	6.775102
TTLL3	TTLL3	7.000808	7.144906	6.923405	7.407446	7.366802	7.343217	7.265706	7.288969	7.348783	7.148613	7.072273	7.007867
TTLL4	TTLL4	8.053199	8.51545	7.948627	8.269549	7.860546	7.864008	7.374054	7.42257	7.298091	7.383252	7.249085	7.217884

TTLL5	TTLL5	8.782334	9.030302	8.706136	9.087816	8.752598	8.921394	8.697448	8.26787	8.294501	8.324505	7.673273	8.036765
TTLL6	TTLL6	7.354249	7.356485	6.994497	7.038224	6.989537	6.947834	6.831399	6.966389	6.891332	6.80204	6.779746	6.803159
TTLL7	TTLL7	7.252056	7.489896	7.215856	7.752605	7.286954	7.57047	7.415283	7.839757	7.434676	7.501185	7.738575	7.485392
TTLL9	TTLL9	6.976375	7.227512	6.759368	7.060705	7.02442	7.068969	6.864217	6.927726	6.866596	6.950774	6.790617	6.823197
TTMA	TTMA	6.937852	7.37506	6.98233	7.046048	7.036136	7.100588	7.00898	7.116681	7.127998	7.094121	7.095208	7.1487
TTMB	TTMB	6.833686	7.09703	6.810342	7.040518	6.99614	7.067954	6.788631	6.916824	6.85328	6.85177	6.808817	6.918151
TTN	TTN	6.864685	7.096938	6.844099	7.38751	7.549792	8.151154	8.232101	8.007759	7.831201	7.770894	6.976054	7.915508
TTPA	TTPA	6.775133	6.961417	6.750196	6.894149	6.789981	6.92054	6.804401	6.869215	6.827729	6.885519	6.756234	6.711067
TTR	TTR	6.95051	7.129607	6.897956	10.4676	10.54557	7.14783	6.92595	7.098251	7.051596	6.892175	6.848418	6.91546
TTRAP	TTRAP	7.557761	8.167514	7.522929	7.546047	7.368377	7.608495	7.448116	7.293291	7.580963	7.482415	7.232344	7.631821
TTTY1	TTTY1	7.009152	7.118889	6.843632	7.115086	7.014019	6.991589	6.961903	6.967316	6.841485	6.940447	6.778077	6.784403
TTTY10	TTTY10	7.026625	7.146557	7.142816	7.05698	7.118356	7.078787	7.028664	7.016666	7.083283	7.023086	6.874475	6.93854
TTTY11	TTTY11	6.86494	7.008746	6.83331	7.014248	6.917414	6.959262	6.906355	6.930696	6.864383	6.890982	6.799997	6.856265
TTTY12	TTTY12	6.870231	6.982144	6.687534	6.982905	6.953999	6.796811	6.766165	6.916072	6.776418	6.917441	6.793932	6.715158
TTTY13	TTTY13	6.809211	7.016383	6.784962	6.991312	6.890995	6.896081	6.744727	6.909784	6.777385	6.791973	6.696299	6.726055
TTTY14	TTTY14	6.972998	7.178457	6.948704	7.177086	7.020475	7.109322	7.324161	7.031337	7.006668	7.103914	6.853899	6.907098
TTTY15	TTTY15	6.821117	6.873402	6.785338	6.995937	6.821791	6.800507	6.855923	6.90425	6.780993	6.880923	6.776962	6.791992
TTTY16	TTTY16	6.882613	7.110671	6.761145	6.960542	6.885065	6.904195	6.908742	6.887324	6.920957	6.850407	6.755167	6.759224
TTTY17A	TTTY17A	6.795314	7.057806	6.846799	7.014131	6.961723	6.997015	6.865592	6.913757	6.815072	6.917372	6.855417	6.785738
TTTY18	TTTY18	6.892887	7.101804	6.781085	7.016984	6.901193	6.94549	6.901264	6.935939	6.921284	6.922209	6.813221	6.843076
TTTY19	TTTY19	6.962694	7.119603	6.821065	7.026891	7.023422	6.999652	6.955534	7.015779	6.946202	6.999671	6.775752	6.853165
TTTY2	TTTY2	6.918612	7.082945	6.853086	7.029954	6.92399	6.98266	6.906725	6.93377	6.918005	6.91097	6.821117	6.885323
TTTY20	TTTY20	6.749951	6.932334	6.777508	6.946419	6.932135	6.819593	6.825915	6.943079	6.839994	6.981545	6.730879	6.732951
TTTY21	TTTY21	6.853452	6.974989	6.712959	7.000426	6.914666	6.885747	6.840982	6.910137	6.876946	6.884962	6.732634	6.879897
TTTY23	TTTY23	6.768428	7.059308	6.855892	7.000292	6.854024	6.931083	6.77756	6.893026	6.908224	6.857717	6.770873	6.777161
TTTY3	TTTY3	6.811025	7.027794	6.840451	7.054179	6.922878	6.966413	6.854557	6.889933	6.751547	6.886599	6.737661	6.745437
TTTY4	TTTY4	6.957989	7.238793	6.885177	7.053924	6.99044	6.995845	7.053951	7.031232	6.93953	7.106435	6.93104	6.903923
TTTY4B	TTTY4B	7.01337	7.154881	6.852633	7.096002	6.94362	6.990852	6.927237	6.930285	6.947554	6.975203	6.724695	6.861064
TTTY5	TTTY5	6.912956	7.131951	6.855267	7.082371	6.986107	7.023162	6.958563	6.936855	6.923861	6.931043	6.828924	6.931082
TTTY6	TTTY6	6.915211	7.024169	6.814217	7.131022	6.96247	7.034025	6.913002	6.909174	6.831104	6.924592	6.81266	6.874684
TTTY6B	TTTY6B	6.847632	7.023792	6.790078	7.015449	6.912259	6.881535	6.882067	6.892386	6.892422	6.900219	6.759756	6.799148
TTTY7	TTTY7	6.82	7.115046	6.785737	7.015659	6.933577	6.887633	6.824783	6.901234	6.894013	6.930923	6.75704	6.795838
TTTY8	TTTY8	6.925973	7.07204	6.751885	7.090964	6.946969	7.105096	6.820651	6.891599	6.848456	7.051489	6.779795	6.86162
TTTY9A	TTTY9A	6.818684	6.998056	6.708561	6.95894	6.908766	6.820027	6.776537	6.941166	6.790569	6.897893	6.749524	6.849557
TTTY9B	TTTY9B	6.894317	7.016909	6.823169	6.95103	6.950675	6.836741	6.904361	6.968543	6.904964	6.976091	6.707785	6.843988
TTYH1	TTYH1	8.206147	8.998717	7.812071	7.27725	7.242986	7.42635	7.269711	7.446222	7.600262	7.018321	6.862097	6.831813

TTYH2	TTYH2	6.987239	7.190493	6.886168	7.313145	7.336168	7.15416	7.144856	7.249035	7.212929	7.272566	6.952188	7.021089
TTYH3	TTYH3	9.408826	9.002598	9.026056	9.38697	9.238417	8.702526	8.451438	8.58783	8.601037	8.14788	8.866309	8.119848
TUB	TUB	7.6568	7.693926	7.404364	7.898242	7.948568	7.823645	7.542464	7.53599	7.756704	7.653575	7.384379	7.546426
TUBA1	TUBA1	9.345463	9.811914	8.326735	7.276509	7.071981	7.559272	7.401636	7.365945	7.65749	8.146445	8.248282	8.955012
TUBA1A	TUBA1A	13.3393	14.06921	13.40005	13.7615	13.31255	13.69859	13.53398	13.5424	13.58962	13.45566	13.50075	13.02906
TUBA2	TUBA2	7.015293	7.108847	6.769467	7.054901	6.94222	6.928113	6.863891	6.930754	6.825026	6.994981	6.860937	6.841342
TUBA3D	TUBA3D	7.864792	8.446583	7.931333	7.84811	7.686914	7.639571	7.577362	7.417008	7.542183	7.572131	7.563116	7.47888
TUBA4	TUBA4	6.808422	6.821423	6.81572	6.892239	6.849684	6.965552	6.760489	6.795007	6.768385	6.78905	6.66496	6.81489
TUBA6	TUBA6	14.39616	14.76161	14.18421	14.28924	13.79032	14.17593	13.80738	13.91268	13.7832	13.80557	13.77523	12.97002
TUBA8	TUBA8	6.822907	7.138182	6.784136	7.038401	7.010989	6.975399	6.924589	6.955575	6.991401	6.890297	6.761036	6.835275
TUBAL3	TUBAL3	6.793784	6.914508	6.687459	6.936459	6.744518	6.995387	6.761133	6.81566	6.790985	6.835755	6.691806	6.810102
TUBB	TUBB	12.81404	13.17873	12.68495	12.58666	12.1379	11.3371	11.05182	11.36816	11.33324	11.09727	11.44977	10.73261
TUBB1	TUBB1	6.86961	7.117236	6.862369	7.128011	7.103081	7.174243	7.167071	7.102938	6.940676	7.198059	6.922949	7.040474
TUBB2A	TUBB2A	9.699427	10.97081	10.51841	8.801577	8.097761	8.627691	8.650922	8.259029	8.951202	8.59955	8.857503	8.37574
TUBB2B	TUBB2B	14.39233	14.63137	13.9328	12.61271	12.14135	10.9818	10.25745	10.20584	12.36888	9.538459	9.472895	8.244058
TUBB2C	TUBB2C	10.90341	11.24007	11.09948	11.27094	10.78618	11.86998	11.05057	11.3486	10.88287	11.18361	10.98271	10.51143
TUBB3	TUBB3	11.20459	11.70878	10.34782	9.992503	9.128027	9.403439	9.274181	9.898452	10.33104	9.663463	11.20718	9.71619
TUBB4	TUBB4	7.95972	7.886374	7.030896	7.218335	7.249121	7.049252	7.072392	7.248284	7.427153	7.021096	6.985563	6.867768
TUBB4Q	TUBB4Q	8.966594	9.94045	9.359081	8.746211	8.366359	8.825523	8.797125	8.253783	8.79417	8.557456	8.437486	8.296798
TUBB6	TUBB6	9.419497	9.69033	9.440274	10.54098	10.07044	11.3889	10.65248	10.72734	10.55446	10.77795	10.70901	10.44752
TUBB8	TUBB8	6.970446	7.123374	6.781234	7.083784	6.985635	6.951101	6.939332	6.880853	6.843997	6.826704	6.742508	6.781188
TUBD1	TUBD1	8.238596	8.854106	8.055709	8.661428	8.545441	8.076787	8.285943	7.877747	8.159236	8.001048	7.393014	7.885054
TUBE1	TUBE1	7.460502	7.685642	7.317345	7.721661	7.736753	8.036335	7.941752	7.973061	8.308483	8.249892	7.713419	8.072253
TUBG1	TUBG1	10.22294	10.24294	9.473393	9.708613	9.525806	9.809798	9.813856	9.798848	9.811171	9.885928	9.585002	9.626968
TUBG2	TUBG2	8.56405	8.615119	8.138465	8.812668	8.866089	9.203569	9.296483	9.337249	9.362781	9.560921	9.066559	9.678471
TUBGCP2	TUBGCP2	9.044046	9.350287	8.848665	9.224806	9.168898	9.456284	9.1629	9.341598	9.135492	9.369824	9.519152	9.506551
TUBGCP3	TUBGCP3	7.223321	7.33451	6.998184	7.206925	7.151711	7.19014	7.039121	7.155267	6.971694	7.029039	6.962843	6.945646
TUBGCP5	TUBGCP5	8.170317	8.355839	8.439707	8.735607	8.479491	8.819981	8.527537	8.242227	8.408159	8.369215	7.851142	8.121811
TUBGCP6	TUBGCP6	7.421033	7.636867	7.389681	7.634183	7.468923	7.460888	7.328269	7.455302	7.406913	7.502044	7.259224	7.303239
TUFM	TUFM	10.8963	10.98142	9.811159	10.36722	10.18209	11.06534	10.4527	10.59569	10.48097	10.77007	10.85319	10.87466
TUFT1	TUFT1	8.839788	9.097435	8.884107	9.511469	8.766361	9.47833	7.752801	7.905378	8.103416	8.024132	8.51119	8.061094
TUG1	TUG1	12.78674	13.2286	12.69224	13.11147	13.08342	13.17375	12.57691	12.41802	12.43327	12.03108	11.62988	11.99145
TULP1	TULP1	6.937856	7.108338	6.902002	7.085379	6.866413	6.978595	6.972356	6.950074	6.947319	7.030035	6.807407	6.983388
TULP2	TULP2	7.067267	7.072156	6.882469	6.867145	6.885365	6.888756	6.773133	6.83488	6.818505	6.828318	6.773164	6.778436
TULP3	TULP3	7.573999	8.081223	7.703264	8.069332	7.660309	7.594652	7.455498	7.481547	7.507714	7.630944	7.574476	7.396063
TULP4	TULP4	8.04281	8.311064	8.03541	8.802068	8.382728	8.219714	8.051139	8.114052	8.216943	7.900979	7.949238	8.016094

TUSC1	TUSC1	6.980391	7.106884	6.770088	7.051424	6.937327	7.038386	6.849815	6.998975	6.98474	7.053967	6.876732	6.957463
TUSC2	TUSC2	7.99135	8.088664	7.702725	7.793868	7.876259	8.623901	8.271512	8.315138	8.024136	8.200279	8.178254	7.969282
TUSC3	TUSC3	9.137505	9.466618	9.432856	9.859509	9.846245	10.5348	10.42204	10.59674	10.54265	10.69153	10.54643	10.29892
TUSC4	TUSC4	10.29183	10.5261	9.933171	10.1563	10.30997	10.81774	10.53592	10.31184	10.3951	10.30282	9.909561	9.878972
TUSC5	TUSC5	6.825009	6.97409	6.711358	7.094281	7.000589	6.920504	6.762988	7.021769	6.920021	6.969084	6.815435	6.830547
TWIST1	TWIST1	8.124895	8.524025	8.987284	9.564853	9.673432	9.561693	9.076507	9.003446	9.193859	8.870631	8.751678	8.830401
TWIST2	TWIST2	6.965812	7.163014	6.98671	7.124665	7.009147	7.024326	6.918434	7.06266	7.158448	6.981401	7.035134	6.986297
TWISTNB	TWISTNB	8.505252	8.640063	8.452763	8.821153	8.187998	8.460875	7.776147	7.934378	7.88722	8.083927	7.695459	8.198828
TWSG1	TWSG1	9.438538	9.847068	10.42555	10.55787	10.37765	10.19641	9.696647	9.887285	9.884881	9.592794	10.1724	9.949595
TXK	TXK	6.811235	7.020954	6.818525	6.975191	7.01149	7.223573	6.845715	6.986756	6.816909	6.870817	6.607955	6.748112
TXLNA	TXLNA	11.3389	11.56967	10.79343	11.29543	11.16515	11.36496	10.98539	10.71446	11.01145	10.71047	10.32802	10.71528
TXLNB	TXLNB	6.907082	7.098835	6.964139	7.03766	6.909618	7.008783	6.926475	7.003923	6.956437	7.086633	6.877539	6.922
TXN	TXN	13.20244	13.65423	13.11305	12.51758	12.34766	12.68048	12.36196	12.27922	12.6475	12.47418	13.01833	11.77764
TXN2	TXN2	7.028149	7.223751	6.966143	7.20191	7.092947	7.162793	7.138108	7.027772	7.226293	7.27312	7.102658	7.034676
TXNDC	TXNDC	12.40964	13.17833	11.51639	11.58134	11.03806	10.43943	9.718067	9.598854	9.919716	9.425881	9.815222	10.01672
TXNDC10	TXNDC10	8.095105	8.434631	8.108879	8.708398	8.730314	9.453447	8.867879	8.874649	8.916971	8.65174	8.633307	8.872255
TXNDC11	TXNDC11	7.200895	7.524916	7.384391	7.670671	7.639103	7.66223	7.410824	7.692849	7.576137	7.557532	7.789566	7.631686
TXNDC12	TXNDC12	11.88	12.36342	11.68711	11.63045	11.25383	11.47336	10.81414	11.23829	11.11353	10.96185	10.85439	10.80968
TXNDC13	TXNDC13	7.703747	8.015412	8.272738	8.82046	9.17072	10.10375	9.909019	10.00245	9.919639	9.846296	9.47613	10.00785
TXNDC14	TXNDC14	11.18485	11.50266	10.91065	11.13199	10.94547	12.17787	11.30421	11.66952	11.42784	11.52539	11.62758	11.02865
TXNDC2	TXNDC2	6.836357	6.966539	6.703663	7.045531	6.938662	6.935679	6.787415	6.942185	6.81706	6.77161	6.814297	6.780282
TXNDC3	TXNDC3	6.874232	7.006747	6.795246	7.041386	6.90999	6.950592	6.78098	6.99878	6.857269	6.93616	6.914612	6.845578
TXNDC4	TXNDC4	6.944398	7.21988	7.014813	7.324847	7.380627	7.628653	7.394503	7.440586	7.536473	7.373559	7.078739	7.11502
TXNDC5	TXNDC5	9.315072	9.552137	8.946026	9.507173	9.15312	8.802821	8.567586	9.002904	8.870854	8.960828	10.008	9.138212
TXNDC6	TXNDC6	6.827925	7.224574	6.871584	7.091621	7.003673	7.066258	6.854703	6.975606	6.910821	7.0023	6.949781	6.760145
TXNDC8	TXNDC8	6.898494	7.065115	6.833599	7.107249	6.983798	7.153977	7.064179	7.188454	7.101937	7.209635	6.845047	7.124978
TXNDC9	TXNDC9	9.237415	9.858236	9.612366	9.654327	9.086154	9.858965	9.763244	9.192348	9.816326	9.623511	9.191882	9.327746
TXNIP	TXNIP	9.38994	8.457085	8.485758	10.40909	10.0316	11.34761	11.13591	10.99949	10.82919	11.07793	10.21811	10.43675
TXNL1	TXNL1	8.467513	8.996596	8.308129	8.350151	8.542746	8.565497	8.472765	8.023886	8.565643	8.541072	8.328289	8.546245
TXNL2	TXNL2	10.30329	10.85604	10.16566	10.23676	9.96871	10.75524	10.19231	10.3327	10.42567	10.48677	10.64967	10.2387
TXNL4A	TXNL4A	7.691406	7.725676	7.196393	7.518174	7.39703	7.344702	7.290391	7.22115	7.443552	7.312211	6.991887	7.111226
TXNL4B	TXNL4B	7.048798	7.343637	7.439124	8.760942	7.3137	7.484671	7.016832	7.167753	7.033988	7.10552	6.954117	7.062767
TXNL5	TXNL5	13.16025	13.76067	12.83044	12.75361	12.83409	13.13777	12.66937	12.39029	12.73841	12.60034	12.52496	11.72676
TXNL6	TXNL6	6.87495	7.083085	7.01393	7.10162	7.051739	7.024681	6.981562	7.030096	6.974263	6.990824	6.859803	6.885635
TXNRD1	TXNRD1	9.6965	9.969596	9.307074	9.714952	9.079864	9.898804	9.069454	9.376264	9.100454	9.22752	9.747115	9.558239
TXNRD2	TXNRD2	7.521221	7.681334	7.185895	7.377443	7.227504	7.646537	7.429084	7.396304	7.333599	7.449504	7.202327	7.410298

TYK2	TYK2	10.09875	9.978345	9.616989	10.44224	10.71606	11.07015	10.91124	10.6342	10.81546	10.61027	10.08381	10.72114
TYMS	TYMS	11.15867	11.62253	11.54303	11.76607	11.39428	12.34952	11.7411	11.55391	11.40143	11.3389	10.69297	9.886942
TYR	TYR	6.860321	6.971259	6.75954	7.089961	6.858359	7.020521	6.932305	6.824009	6.853511	6.857085	6.820723	6.842116
TYRO3	TYRO3	9.367895	9.946778	9.384976	9.914775	9.495702	8.866581	8.270315	8.304908	8.226894	8.083333	8.140547	7.682564
TYRO3P	TYRO3P	6.864931	6.957967	6.805009	6.943168	6.820162	6.984211	6.905396	6.904545	6.85052	6.833797	6.710277	6.743674
TYROBP	TYROBP	6.759885	7.073777	6.865703	7.20607	7.698414	7.214128	7.006494	6.983911	6.992511	6.963809	6.91008	6.8139
TYRP1	TYRP1	6.868391	6.895588	6.860212	10.03695	9.24804	7.088666	7.041291	6.968235	7.372042	7.021836	7.30876	7.741384
TYSND1	TYSND1	8.647239	8.805604	8.115971	7.684638	7.720646	8.205709	7.786485	7.892867	7.887805	7.948063	7.671228	7.852092
U101	U101	6.983649	7.268585	6.871295	7.081901	6.921723	6.936283	6.957171	6.999231	6.903139	6.933853	6.736685	6.851857
U16	U16	8.011578	8.280588	7.810524	7.72037	7.444462	7.703808	7.390295	7.35323	7.425541	7.291351	6.976916	7.222225
U18B	U18B	6.89846	7.011053	6.80892	6.880662	6.870785	7.036073	6.820052	6.923733	6.76282	6.85574	6.817613	6.725884
U18C	U18C	6.820609	7.038494	6.683296	6.978663	6.771694	6.839822	6.891989	6.831355	6.890961	6.931518	6.713439	6.701926
U1SNRNP	U1SNRNP	8.097697	8.514727	8.018293	8.139148	8.268719	9.057712	8.569645	8.547722	8.396412	8.502019	8.135349	8.373381
U2AF1	U2AF1	9.891708	10.35754	9.664341	9.615327	9.327595	9.636262	9.058568	8.691618	8.873187	8.892905	8.695575	8.645394
U2AF1L2	U2AF1L2	9.612928	10.14928	9.30202	9.511165	9.329802	9.903305	9.41503	9.357701	9.482488	9.333824	9.043982	9.274099
U2AF1L3	U2AF1L3	7.526578	7.813546	7.304772	7.544203	7.582634	8.014175	7.852752	7.847826	7.846969	7.994479	7.637207	7.675785
U2AF1L4	U2AF1L4	7.979221	8.115923	7.554435	8.16404	7.878331	7.498789	7.423644	7.638119	7.736226	7.732407	7.831186	8.094574
U2AF2	U2AF2	10.93195	11.52573	10.82734	10.8505	10.58023	10.52281	10.05386	9.704159	9.961175	9.779973	9.565964	9.671026
UACA	UACA	6.942087	7.148499	6.957189	7.321847	7.283674	7.591956	7.34332	7.490301	7.375946	7.470521	7.208302	7.369985
UAP1	UAP1	8.637497	8.890106	8.775397	9.591007	9.106633	8.861255	8.518586	8.105957	8.685214	8.525684	9.010276	8.793303
UAP1L1	UAP1L1	7.307164	7.384945	7.02526	7.378124	7.767487	8.018851	7.185445	7.370895	7.403012	7.330836	7.590741	7.660951
UBA2	UBA2	7.557727	8.026956	7.667384	8.065265	7.486681	7.700443	7.334083	7.386367	7.264012	7.34387	7.140404	7.434359
UBA52	UBA52	13.5866	14.11399	13.64704	13.72489	13.76483	13.47585	13.24762	13.28882	13.46432	13.4591	13.49971	12.95641
UBADC1	UBADC1	11.10839	11.24472	10.65311	10.93287	10.77297	11.25496	10.87134	11.17278	11.05322	11.15738	11.23795	10.98486
UBAP1	UBAP1	9.196125	9.517835	9.133902	9.481589	9.33422	10.24591	9.672165	10.0454	9.685679	9.866083	10.05857	10.04207
UBAP2	UBAP2	8.230026	8.785469	8.046018	8.324421	7.931676	8.543026	7.809697	7.929811	7.787707	7.922839	7.710489	7.527159
UBAP2L	UBAP2L	9.389298	9.878574	9.057819	9.252728	9.181255	8.870702	8.68297	9.1117	8.74713	8.901252	9.236479	8.762614
UBASH3A	UBASH3A	7.004943	7.05635	6.813063	7.063393	6.911772	7.062719	6.966733	6.922787	6.953489	6.89178	6.847561	6.842471
UBB	UBB	13.92469	14.2991	14.03119	14.30191	14.19465	14.72483	14.40757	14.48846	14.3435	14.36455	14.18119	13.86265
UBC	UBC	13.83319	14.1805	13.82195	14.17533	14.0329	14.57179	14.38434	14.54165	14.51303	14.44999	14.35204	14.36296
UBD	UBD	7.001789	7.356862	6.852019	6.955378	6.959601	7.053779	6.875152	6.961497	6.882645	6.891956	6.709818	6.880543
UBE1	UBE1	10.33291	10.2625	9.847873	10.48766	10.01079	10.46377	9.894416	10.18185	9.873027	10.06753	10.51122	9.868778
UBE1C	UBE1C	8.751939	9.118694	8.798538	8.876138	8.838129	10.06061	9.445578	9.692086	9.581026	9.619986	9.765676	9.433305
UBE1DC1	UBE1DC1	8.039089	8.262394	7.926159	8.054116	7.930941	8.363529	8.068372	8.152866	8.090305	8.106153	8.01405	7.865351
UBE1L	UBE1L	6.826749	6.953903	6.784012	7.832107	8.158046	7.108606	7.636941	7.824701	8.162449	8.278581	7.807404	8.376751
UBE1L2	UBE1L2	9.25595	9.792278	9.154524	9.690623	9.249401	9.406948	9.147418	8.578034	9.101474	8.529172	8.485599	9.005747

UBE2A	UBE2A	9.50158	9.792426	9.442552	9.836454	9.696876	10.67624	10.14522	10.3567	10.1908	10.44881	10.49662	10.19473
UBE2B	UBE2B	7.077473	7.43173	7.171129	7.360116	7.22627	7.559727	7.433338	7.314776	7.357646	7.228657	7.042599	7.197627
UBE2C	UBE2C	11.27046	11.80126	11.20765	11.04318	10.78621	10.78225	10.28496	10.10914	10.31176	10.12236	9.445242	7.976613
UBE2D1	UBE2D1	6.92639	7.140679	6.951132	7.095403	7.063533	7.182241	6.937698	6.889355	6.939144	6.94388	6.902763	6.849359
UBE2D2	UBE2D2	8.202139	8.702547	7.91132	8.342647	8.38214	9.380942	8.91935	8.696385	8.681548	8.597417	8.080968	8.150375
UBE2D3	UBE2D3	11.56463	11.73633	11.26666	11.29679	11.16984	11.75567	11.12968	11.34768	11.22291	11.21574	11.31748	11.09057
UBE2D4	UBE2D4	7.972007	8.655783	8.096349	8.082223	8.325711	9.014168	9.070524	8.971649	9.072015	9.142147	8.93276	8.723928
UBE2E1	UBE2E1	11.75035	12.32491	11.60123	11.61117	11.64549	12.05289	11.76928	11.50575	11.75648	11.38034	10.96166	11.15461
UBE2E2	UBE2E2	10.39125	10.73484	9.691608	10.30527	10.60572	11.44146	10.9621	11.02983	10.85823	10.83745	10.66549	10.32914
UBE2E3	UBE2E3	9.06025	9.414253	8.968176	9.591529	9.406848	9.581198	9.196719	9.28362	9.325437	9.24518	9.217533	8.998513
UBE2F	UBE2F	11.04746	11.38696	11.05752	11.05654	11.02003	11.22864	11.20147	11.08117	11.1969	11.14652	11.13548	10.91014
UBE2G1	UBE2G1	10.77838	11.05298	10.09117	10.07443	10.02249	10.44687	9.785608	10.01179	9.762668	9.813466	9.905023	9.666952
UBE2G2	UBE2G2	9.046612	9.356407	8.867301	9.247059	9.025874	9.366104	9.229505	9.185903	8.958115	9.163008	9.024074	8.824837
UBE2H	UBE2H	8.414011	8.995635	8.281	8.965098	8.862909	9.38014	9.32577	9.022105	9.224165	9.275241	8.622519	9.382739
UBE2I	UBE2I	10.67923	10.8185	10.36571	10.51368	10.08087	9.899623	9.487737	9.62893	9.662122	9.663835	9.792402	9.507953
UBE2J1	UBE2J1	8.723413	8.792786	9.378725	10.31808	9.825154	10.08348	9.151891	9.065831	9.341407	9.174328	9.195115	9.300594
UBE2J2	UBE2J2	7.436583	7.583583	7.209948	7.50805	7.478666	7.549813	7.351222	7.259615	7.333515	7.363678	7.198931	7.340281
UBE2L3	UBE2L3	9.344403	8.910538	8.576286	8.740846	8.688106	9.24449	8.81907	8.909048	8.840037	9.006013	8.612542	8.781861
UBE2L6	UBE2L6	10.10212	10.70098	9.210794	10.25143	10.43106	10.98096	10.22531	9.643158	9.855578	9.898177	9.530749	10.00294
UBE2M	UBE2M	12.1597	12.27244	11.49878	12.06494	11.81805	12.43726	12.05472	12.05963	12.0642	12.26743	12.11549	12.28626
UBE2MP1	UBE2MP1	6.926066	7.084339	6.889014	7.148997	6.979718	7.051441	6.974789	7.039766	7.010976	6.985305	6.767959	6.855991
UBE2N	UBE2N	11.77875	11.74486	11.63541	11.94395	11.63519	11.99867	11.30232	11.24686	11.42421	11.26094	11.01833	10.72289
UBE2NL	UBE2NL	6.832088	7.058711	6.80294	7.070951	6.844399	6.922727	6.844335	6.839148	6.90205	7.005254	6.732821	6.743001
UBE2O	UBE2O	8.743837	9.251716	8.144314	8.435174	8.298255	8.703182	8.337038	8.302048	8.204708	8.283045	7.938311	8.113409
UBE2Q1	UBE2Q1	9.731246	9.83242	9.298796	9.795859	9.73114	9.570929	8.687907	8.784894	8.850924	8.586601	8.49434	8.529612
UBE2Q2	UBE2Q2	9.870115	10.53825	10.13879	10.45652	10.53428	11.08457	10.93816	10.68347	10.91529	10.78314	10.30376	10.52606
UBE2R2	UBE2R2	7.165514	7.200017	6.998315	7.464332	7.246572	7.281718	7.053149	7.090407	7.052246	7.200692	6.891438	6.97812
UBE2S	UBE2S	11.36851	11.52767	10.75026	10.8507	10.4384	10.06235	9.657299	9.979417	9.890764	10.27496	10.43907	9.335263
UBE2T	UBE2T	10.57606	11.0357	10.29609	10.31467	9.957591	10.6773	10.60889	10.4952	10.70175	10.69927	9.856029	8.764703
UBE2U	UBE2U	7.005302	7.180694	7.022511	7.04748	7.072564	7.118332	6.93396	7.095531	6.949196	7.088818	6.868531	7.024923
UBE2V1	UBE2V1	7.058039	7.212411	6.980553	7.156871	7.029123	7.115075	7.00649	7.07217	7.047395	7.119344	6.969091	6.985852
UBE2V2	UBE2V2	10.42883	10.63486	10.24375	10.18025	10.02856	10.22198	9.583493	9.826088	9.89916	9.621445	9.847811	9.344063
UBE2W	UBE2W	7.391182	7.564243	7.418622	7.658338	7.562738	7.864331	7.541458	7.742356	7.544817	7.606585	7.73611	7.599219
UBE2Z	UBE2Z	8.126691	8.655807	8.105254	8.394652	8.2075	8.682268	8.315199	8.327551	8.278039	8.357383	8.505935	8.492604
UBE3A	UBE3A	10.26689	10.46609	9.932111	10.43159	10.41623	10.90238	10.40128	10.34583	10.28626	10.13855	9.776312	10.09052
UBE3B	UBE3B	7.225094	7.708291	7.377684	7.902461	7.465149	7.92494	7.712447	7.700207	7.741305	7.81838	7.560278	7.934564

UBE3C	UBE3C	10.15304	10.2639	9.652349	10.12032	9.877956	10.16607	9.907139	10.18104	9.895392	10.11007	10.33306	10.2008
UBE4A	UBE4A	9.125442	9.442576	9.260248	9.5683	9.512205	9.48769	9.477247	9.31792	9.270602	9.146738	8.83203	9.091612
UBE4B	UBE4B	9.753675	9.949598	8.952015	9.437709	9.228597	9.640311	9.164979	9.055234	9.097941	9.189116	8.71267	8.997853
UBIAD1	UBIAD1	8.440695	9.091129	8.137916	8.15779	7.993427	8.295954	7.954666	7.863868	7.986268	8.098698	7.833581	8.062237
UBL3	UBL3	9.679264	9.664324	9.902655	10.13069	10.15979	10.50761	9.906702	10.06699	10.051	9.901254	9.606324	10.01042
UBL4A	UBL4A	8.495445	8.456076	7.913877	8.549798	8.442553	8.701455	8.580821	8.739975	8.503883	8.836712	8.759217	8.967517
UBL4B	UBL4B	6.801453	7.131999	6.937016	7.039903	6.912531	6.949392	6.908292	6.952532	6.879165	6.938429	6.800468	6.867403
UBL5	UBL5	9.860076	10.64995	10.29641	10.32192	10.13819	10.97008	10.86607	10.42214	10.82071	10.99398	10.62423	10.59812
UBL7	UBL7	8.261377	8.677911	7.859645	8.259108	8.091124	8.463493	8.042759	8.255499	8.025313	8.312422	8.143904	7.972233
UBLCP1	UBLCP1	10.11854	10.50899	10.03058	10.13279	9.876489	10.07624	9.88884	9.521883	9.907213	9.761219	9.400609	9.73295
UBN1	UBN1	9.368091	9.686223	9.032603	9.500944	9.45922	9.495634	9.109151	8.952899	9.003825	8.90247	8.897236	9.389158
UBOX5	UBOX5	7.055325	7.315121	7.035443	7.270018	7.194634	7.313839	7.179475	7.307557	7.132446	7.214576	7.010588	7.172068
UBP1	UBP1	10.2275	11.3901	10.49135	10.95879	10.50978	10.71125	10.11128	10.03908	9.90906	9.822921	9.947946	9.829514
UBPH	UBPH	8.565816	9.425173	8.744272	9.121158	8.835609	9.143245	8.75072	8.645309	8.833182	8.867169	8.885158	8.853372
UBQLN1	UBQLN1	9.98666	10.20124	9.782809	9.991217	9.860175	10.40324	9.694007	9.84924	9.700005	9.640908	9.996241	9.772028
UBQLN2	UBQLN2	10.24993	10.61867	9.547833	10.17483	10.31509	10.90101	10.46846	10.90145	10.45345	10.78348	11.07526	10.57374
UBQLN3	UBQLN3	7.153567	7.430532	7.068083	7.338141	7.269741	7.465788	7.13364	7.296753	7.216161	7.199822	7.106144	7.214326
UBQLN4	UBQLN4	10.29878	10.79365	10.42024	10.79008	10.61213	10.80504	10.2655	10.22489	10.1689	10.07143	9.842088	9.744642
UBR1	UBR1	7.320954	7.852327	7.474	7.752957	7.655283	8.245164	7.752766	8.05707	7.896344	8.179617	7.882113	7.681667
UBR2	UBR2	8.577072	9.127006	8.579404	9.082782	8.903674	9.348579	8.672894	8.71147	8.701676	8.651287	8.575451	8.688807
UBTD1	UBTD1	8.447384	8.515169	7.958906	7.998585	8.048261	8.138096	7.83107	8.405766	8.16515	8.466737	9.262765	8.409208
UBTF	UBTF	7.263183	7.595968	7.314364	7.355624	7.190151	7.369329	7.117474	7.244357	7.110329	7.271536	7.04251	7.153773
UBXD1	UBXD1	8.170389	8.379162	8.020956	8.284347	8.610125	9.392068	9.077702	9.440557	9.31622	9.556973	9.622376	9.518676
UBXD2	UBXD2	11.09219	11.45762	11.09885	11.60735	11.70756	11.82651	11.55496	11.6279	11.55165	11.59349	11.31865	11.22508
UBXD3	UBXD3	7.084541	7.313377	7.055478	7.263393	7.133533	7.13492	7.022987	7.136052	7.095687	7.03549	6.93303	7.051472
UBXD4	UBXD4	9.14878	9.527303	9.119226	9.523527	9.276972	9.505622	9.374877	9.15187	9.122096	9.058881	8.840979	9.227025
UBXD5	UBXD5	7.131488	7.360701	7.022028	7.296665	7.211895	7.194747	7.085766	7.194277	7.122656	7.147084	6.963519	7.057691
UBXD6	UBXD6	7.560705	8.138108	7.544648	7.680445	7.465003	7.442225	7.258292	7.188142	7.171049	7.091632	7.414828	7.275837
UBXD7	UBXD7	7.253318	7.561151	7.099088	7.318091	7.257786	7.342135	7.160368	7.25974	7.173024	7.150019	7.064812	7.129201
UBXD8	UBXD8	11.39656	11.82181	11.52978	11.8819	11.68347	11.53848	11.02703	10.97665	11.00182	10.79599	10.70002	10.98452
UCHL1	UCHL1	12.37938	13.02035	11.49367	10.88907	10.39	10.02651	10.24331	10.57255	10.98927	10.43632	11.85108	10.71919
UCHL3	UCHL3	10.68794	11.03201	10.14526	10.24248	10.06689	10.93852	10.27556	10.30922	10.28199	10.22487	10.6096	9.650654
UCHL5	UCHL5	9.238853	9.74577	9.173089	8.981005	8.842251	9.319776	8.820111	8.950504	8.932927	8.891039	9.129954	8.7851
UCHL5IP	UCHL5IP	10.19266	10.20651	9.429599	9.354656	9.322256	9.095704	8.804935	8.813815	8.848578	8.923672	8.711457	8.53571
UCK1	UCK1	7.471452	7.707535	7.3205	7.698113	7.404667	7.66281	7.572542	7.651819	7.426768	7.518932	7.453802	7.376121
UCK2	UCK2	9.975438	10.10283	9.510008	9.605965	9.164395	9.76597	9.033437	9.177036	9.030783	9.307241	9.336042	8.863481

UCKL1	UCKL1	10.12979	10.20153	9.720175	9.972522	9.979118	10.47806	10.0231	10.25575	10.01438	10.11876	10.24643	9.644792
UCN	UCN	7.065945	7.405174	7.030285	7.37359	7.226172	7.309277	7.192769	7.282461	7.295927	7.2017	7.123167	7.175399
UCN2	UCN2	6.902601	7.116811	6.959338	7.215177	7.074757	7.218309	7.057289	7.023491	6.957928	7.00542	6.825992	6.931177
UCN3	UCN3	6.922338	7.183561	7.058613	7.108566	7.092486	7.150507	7.067441	7.020644	7.011769	7.06201	6.925934	7.065055
UCP1	UCP1	6.962239	7.054764	6.799378	6.939472	6.953005	7.098336	6.874789	7.000577	6.798579	6.955793	6.747063	6.82603
UCP2	UCP2	8.506947	8.42417	7.876275	7.699622	7.570836	7.722052	7.571612	7.738447	7.656519	7.822565	7.298512	7.140771
UCP3	UCP3	7.054148	7.176521	6.908931	7.109057	7.072466	7.282043	7.020389	7.075192	7.024062	7.018668	6.88307	7.043774
UCRC	UCRC	8.693756	9.342146	8.972066	9.382913	9.966271	11.32836	10.70369	10.63932	10.7256	10.74916	10.65985	10.45176
UEV3	UEV3	7.34602	7.525172	7.391193	7.474819	7.505157	7.864835	7.743855	7.769393	7.729967	7.847668	7.883495	7.882853
UEVLD	UEVLD	7.116354	7.361556	7.122134	7.287114	7.211622	7.35128	7.336694	7.464266	7.524592	7.448245	7.479997	7.526049
UFC1	UFC1	10.75185	11.39538	11.01872	11.12	11.31251	11.65477	11.18933	11.1222	11.14787	11.10589	11.13051	10.79386
UFD1L	UFD1L	7.288282	7.680767	7.39393	7.665294	7.535893	8.013022	7.715349	7.723056	7.734603	7.867353	7.794818	7.819979
UFM1	UFM1	9.098306	9.498816	9.311856	9.364893	9.488666	9.842456	9.312381	9.238644	9.45256	9.19436	9.497358	9.208731
UGCG	UGCG	9.776197	10.07506	9.485608	9.748747	9.456963	9.754185	9.557076	9.494363	9.929061	9.601311	9.486179	10.07202
UGCGL1	UGCGL1	8.286549	8.536598	8.213542	8.518295	8.096773	8.3025	7.818007	7.787885	7.869458	7.648471	7.404062	7.994059
UGCGL2	UGCGL2	8.381592	8.637472	9.020147	9.855381	9.74414	9.56598	9.384105	9.309952	9.489189	9.023901	9.023391	9.180695
UGDH	UGDH	10.89663	11.39267	10.88697	11.17871	10.89886	10.29939	10.00246	9.500758	10.01246	9.340249	10.05305	9.8096
UGP2	UGP2	11.79787	12.00863	9.828221	10.11264	10.49775	11.81127	11.2614	11.3985	11.31936	11.49955	11.28973	11.02057
UGT1A1	UGT1A1	6.846465	6.992848	6.983152	7.000376	6.987232	7.00599	6.855307	6.914255	6.872365	7.175743	6.878627	6.818034
UGT1A10	UGT1A10	6.980336	7.190408	6.825215	6.98793	7.001891	6.823459	6.883326	6.944309	6.897579	6.96995	6.665679	6.818179
UGT1A3	UGT1A3	6.826648	7.210684	6.915433	7.057063	6.966104	6.997568	6.963254	7.023756	6.951463	7.023426	6.796037	6.966251
UGT1A4	UGT1A4	6.936959	6.958996	6.739016	7.060149	6.906852	6.880557	6.808857	6.926153	6.813911	6.825123	6.695602	6.755319
UGT1A5	UGT1A5	6.952987	7.142816	6.91761	7.248639	6.926073	7.208991	6.937198	6.992097	6.982686	7.072691	6.904356	6.918429
UGT1A6	UGT1A6	6.850073	6.970943	6.745149	6.929485	6.839849	6.909275	6.861459	6.926683	6.818135	6.935822	6.754908	6.800541
UGT1A7	UGT1A7	6.936382	6.943218	6.685668	7.027015	6.882654	6.926956	6.862136	6.927239	6.866719	6.946908	6.81194	6.711791
UGT1A8	UGT1A8	6.827429	7.032313	6.776343	7.032616	6.916943	6.939632	6.734134	6.934831	6.872344	7.000058	6.760334	6.823851
UGT1A9	UGT1A9	6.837444	7.102612	6.746778	7.095549	6.828099	6.985693	6.80309	6.846079	6.900518	6.963972	6.931029	6.775505
UGT2A1	UGT2A1	6.849052	6.975064	6.751917	6.964481	6.904495	6.850836	6.888483	6.944456	6.926442	6.92451	6.690806	6.7401
UGT2A3	UGT2A3	6.893391	7.095594	6.791954	7.024825	6.947383	6.929785	6.903384	6.989738	6.809087	6.939123	6.838479	6.906006
UGT2B10	UGT2B10	6.853935	6.995968	6.745713	6.994435	7.011108	7.052362	6.84688	6.987	6.755408	6.916484	6.842821	6.728787
UGT2B11	UGT2B11	7.032123	7.224132	6.85842	7.591631	7.329324	7.085372	6.91467	7.061891	6.958373	7.000294	6.802278	6.865681
UGT2B15	UGT2B15	6.847931	6.991684	6.87261	7.005453	6.851654	6.839805	6.876439	6.940312	6.836727	6.92444	6.720902	6.752627
UGT2B17	UGT2B17	6.857309	7.053417	6.834699	6.994965	6.884801	6.996649	6.845195	6.942051	6.840131	6.902408	6.76815	6.850546
UGT2B28	UGT2B28	6.852844	7.036257	6.846372	7.382631	7.070918	6.976932	6.934635	6.891785	6.851049	6.970245	6.898003	6.83009
UGT2B4	UGT2B4	6.921043	7.038702	6.841434	7.079441	6.891062	6.915514	6.899676	6.920364	6.891968	6.926211	6.839177	6.818737
UGT2B7	UGT2B7	6.887874	7.099368	6.938661	7.677179	7.526343	6.942237	6.881618	6.948469	6.91044	6.936174	6.879695	6.9934

UGT3A1	UGT3A1	7.165607	7.205607	7.071825	7.612235	7.272901	6.971539	6.940798	6.940541	6.852917	6.983176	6.854223	6.965666
UGT3A2	UGT3A2	8.717614	9.05401	7.903294	8.548619	7.492865	7.28804	6.969945	7.055256	6.792797	6.979067	6.692686	6.766316
UGT8	UGT8	8.105429	8.15163	7.490799	7.440073	7.039172	7.009327	6.943908	6.970259	6.980348	6.995661	6.897086	6.881422
UHMK1	UHMK1	7.678721	7.765931	7.707856	7.861955	7.743381	7.869124	7.659066	7.469928	7.501167	7.44858	7.086315	7.832928
UHRF1	UHRF1	9.783404	10.21685	10.00672	10.12784	9.581804	8.926654	8.445868	8.474959	8.234285	8.064249	8.261906	7.671888
UHRF2	UHRF2	7.977199	8.545681	8.00587	8.446335	8.104376	8.140314	7.875464	7.80705	7.982221	7.802376	7.884372	8.134157
UIP1	UIP1	7.117815	7.296953	6.937484	7.095168	7.183863	7.132937	7.076019	6.965836	7.019646	7.108795	6.955162	6.98884
ULBP1	ULBP1	6.93457	7.154349	6.980596	7.07703	6.825347	7.061354	6.916104	7.062059	7.057955	6.991704	7.024738	7.00464
ULBP3	ULBP3	7.065067	7.218866	6.997422	7.110494	7.016925	7.002225	7.004782	7.054893	7.083285	6.950074	6.821842	7.09954
ULK1	ULK1	10.70386	10.74319	10.48718	10.64526	10.3742	10.12184	9.879667	9.885763	9.941019	9.702847	9.214672	9.947923
ULK2	ULK2	7.081406	7.354095	7.303902	7.628886	7.558716	7.617989	7.48638	7.590112	7.538104	7.44565	7.139832	7.364708
ULK3	ULK3	7.270945	7.576482	7.117535	7.375367	7.313457	7.51586	7.315494	7.355153	7.366424	7.492149	7.171866	7.279858
UMOD	UMOD	6.863759	7.064653	6.828623	7.038256	6.93719	7.050855	6.800455	6.959545	6.902295	6.941204	6.784615	6.864311
UMODL1	UMODL1	6.838118	7.062618	6.7697	6.964458	6.898072	6.885831	6.855329	6.882668	6.828486	6.898266	6.76325	6.807016
UMPS	UMPS	7.054789	7.480178	6.970919	7.211362	6.961781	7.098929	6.887125	7.012385	6.935255	6.993875	6.890472	6.928938
UNC119	UNC119	8.159239	7.984303	7.662173	7.762462	7.882856	8.024035	7.648838	7.495956	7.653388	7.648789	7.272136	7.58999
UNC13A	UNC13A	7.108361	7.381302	6.973186	7.139415	7.014049	7.187222	7.115915	7.114043	7.060329	7.080268	6.903273	7.029729
UNC13B	UNC13B	7.7811	8.125248	7.529556	8.017323	7.568605	7.787594	7.674045	7.663149	7.4926	7.655789	7.437283	7.3702
UNC13C	UNC13C	6.90964	7.084222	6.920384	7.097154	6.999954	7.048243	6.951113	6.964205	6.926383	6.960556	6.784954	6.875656
UNC13D	UNC13D	6.980047	7.292225	6.918353	7.105896	6.901226	7.080519	6.949668	7.115926	7.032145	7.145829	7.067787	6.952295
UNC45A	UNC45A	9.027218	9.253171	8.652846	8.864991	8.681982	8.599248	8.21654	8.253628	8.279032	8.21831	8.463341	8.423542
UNC45B	UNC45B	6.852825	7.071194	6.857788	7.642032	7.87362	8.663069	8.409533	8.278471	8.036972	8.17694	7.557985	7.765918
UNC50	UNC50	10.87776	11.07471	11.1544	11.16712	11.24958	11.60106	11.02713	11.22334	11.32325	11.1631	11.30087	10.83415
UNC5A	UNC5A	8.097512	7.979312	7.05516	7.419737	7.543138	7.017815	6.901004	6.920229	7.16071	6.918754	6.790187	6.734779
UNC5B	UNC5B	7.250108	7.521124	7.109982	7.842479	7.710575	8.297103	8.08312	8.14155	7.950232	7.891169	7.885573	7.720075
UNC5C	UNC5C	7.030723	7.281442	7.005989	7.341352	7.27012	7.320564	7.188885	7.321018	7.22781	7.335754	7.003038	7.107608
UNC5CL	UNC5CL	7.022053	7.002632	6.849415	7.004081	7.028583	7.066405	6.937786	6.889226	7.103817	7.200946	7.1392	7.023197
UNC5D	UNC5D	8.077257	8.08867	7.33035	7.184493	7.435261	7.077046	6.886729	6.85224	6.819756	6.908098	6.759738	6.835927
UNC84A	UNC84A	9.993436	9.754334	9.491019	9.966551	10.08136	10.7457	10.20503	10.57421	10.16108	10.26734	10.3305	10.15043
UNC84B	UNC84B	8.736731	9.07237	9.732316	10.64243	10.77652	10.56152	10.59274	10.75818	11.16574	10.88591	10.9453	11.09916
UNC93A	UNC93A	7.085303	7.221032	7.064609	7.142421	7.064092	7.194719	7.011224	6.949821	7.009593	6.978553	7.0064	6.961411
UNC93B1	UNC93B1	7.55012	7.695253	7.251876	7.329272	7.168736	7.122655	7.03847	7.102977	6.984925	7.106159	7.227459	7.207017
UNCX4.1	UNCX4.1	6.860521	6.955023	6.744883	6.922042	6.822577	6.939457	6.921463	6.875718	6.895123	6.927703	6.703649	6.813185
UNG	UNG	9.28109	9.939651	8.975199	8.439964	8.161027	8.580827	7.994931	7.963598	7.702776	7.826223	7.673707	7.821925
UNG2	UNG2	7.016651	7.288745	7.047654	7.174744	7.008092	7.197809	7.00006	7.102821	7.102822	7.245518	6.98783	6.989259
UNK	UNK	6.893745	7.068279	6.797702	7.081332	6.92952	6.944207	6.928934	6.950517	6.89031	6.971942	6.781721	6.869141

UNKL	UNKL	6.916913	7.178961	6.881321	7.177834	6.983796	7.080119	6.923204	7.129929	6.994191	7.11444	6.931488	6.968798
UNQ1940	UNQ1940	6.953619	7.164796	6.895852	7.180231	7.15362	7.184786	7.034762	7.015298	6.980964	7.128724	6.93924	7.10517
UNQ2446	UNQ2446	7.123075	7.439772	6.986961	6.996235	6.963725	7.123386	6.984158	6.88551	7.020458	7.037596	6.880157	6.824721
UNQ2541	UNQ2541	7.430709	7.291663	7.050097	8.374746	8.021737	7.085993	6.761935	6.845549	7.132156	7.001151	6.662545	6.758141
UNQ3033	UNQ3033	6.927702	7.176446	6.803222	7.021101	6.915488	7.040576	6.86369	6.973579	6.843658	6.816529	6.773699	6.781099
UNQ3045	UNQ3045	8.106904	7.964355	7.347002	7.289842	7.062158	6.93917	6.935304	6.840099	6.816588	6.94353	6.773942	6.732578
UNQ467	UNQ467	7.814445	7.786619	7.213437	7.319286	7.260198	7.650588	7.295108	7.207036	7.197796	7.149533	6.967452	7.07001
UNQ470	UNQ470	7.583142	7.795985	7.486946	7.085389	7.017675	7.130548	7.209919	6.949733	7.054075	7.121503	6.900548	7.038757
UNQ473	UNQ473	7.046435	7.209412	6.87474	7.04052	6.851793	7.181749	6.904592	7.018533	6.945056	6.949561	6.852048	6.875133
UNQ501	UNQ501	11.60669	12.02243	11.20171	11.18078	11.2462	11.55611	11.64192	11.61891	11.71171	11.79414	11.26714	11.4005
UNQ5783	UNQ5783	6.793392	6.995591	6.827057	7.10497	6.903976	6.876548	6.95381	6.943353	6.894636	6.814048	6.796674	6.809198
UNQ5810	UNQ5810	6.826653	7.092017	6.863795	7.02938	6.944631	7.019498	6.848948	6.878949	6.938247	7.004337	6.784876	6.806678
UNQ5830	UNQ5830	6.809048	6.994587	6.743112	6.881078	6.897729	6.962176	6.827371	6.899355	6.869622	6.911927	6.66594	6.748519
UNQ6077	UNQ6077	6.92218	7.138186	6.899559	7.109151	7.005455	7.08831	6.933156	6.922304	6.91707	6.935107	6.729309	6.831673
UNQ6411	UNQ6411	6.893393	7.053635	6.912555	7.119631	7.050445	7.116849	6.989468	7.000662	6.917839	6.982013	6.780655	6.884149
UNQ689	UNQ689	6.717784	6.874605	6.739532	6.945602	6.870854	6.927892	6.911396	6.91721	6.802004	6.741988	6.771976	6.71339
UNQ6975	UNQ6975	6.796687	6.997597	6.705666	6.944398	6.832061	6.923586	6.972452	6.873769	6.790169	6.79201	6.911041	6.882704
UNQ739	UNQ739	7.034336	7.184936	7.05246	7.232661	7.097546	7.56024	7.817188	8.472895	8.221323	8.931476	8.107749	8.863275
UNQ830	UNQ830	7.198302	7.401294	7.027504	7.309388	7.204779	7.310666	7.106618	7.010899	7.129288	7.059356	7.022577	7.053206
UNQ846	UNQ846	7.080888	7.280963	7.132183	7.279669	7.129117	7.279171	7.131392	7.201247	7.100259	7.256543	7.027119	7.20803
UNQ9217	UNQ9217	6.823488	7.200401	6.870104	7.242081	7.10136	7.188223	6.988857	7.05347	7.1462	7.017487	6.916313	6.966301
UNQ9356	UNQ9356	6.880583	7.123447	6.81771	7.088161	6.956798	7.080268	6.855839	7.003704	6.940366	6.990021	6.89069	6.913609
UNQ9370	UNQ9370	6.955139	7.023416	6.841159	7.185021	6.973156	7.059301	6.948226	7.005724	6.907406	6.868542	6.852648	6.833375
UNQ9391	UNQ9391	6.99992	7.257523	6.950499	7.154649	7.070299	7.116686	7.031859	6.991273	6.920241	7.058995	6.840101	6.832563
UNQ9433	UNQ9433	7.262141	7.285189	7.090321	7.080117	6.891222	7.309448	6.906073	6.958931	6.863331	6.941787	6.675684	6.763977
UNQ9438	UNQ9438	6.905201	7.072976	6.754798	7.128137	6.926519	7.011178	6.91219	7.053675	6.882332	6.977713	6.865465	6.83068
UPB1	UPB1	6.936192	7.149005	6.815016	7.041292	7.026614	7.052462	6.911239	7.100187	7.06835	7.069014	6.684647	6.855483
UPF2	UPF2	9.81382	10.56728	9.739422	9.731648	9.50923	9.749115	9.206783	9.056713	9.200197	8.991341	8.779059	8.919352
UPF3A	UPF3A	9.922111	9.918202	9.742726	10.13315	10.03562	10.67579	10.06031	9.743464	9.723164	9.39582	8.949696	8.975867
UPF3B	UPF3B	10.65435	11.13109	10.11859	10.20959	9.996628	10.62106	9.508132	9.478437	9.63666	9.130178	9.074834	9.355214
UPK1A	UPK1A	8.420506	7.736261	7.049592	7.359177	7.48982	7.2807	6.918634	7.02503	7.472091	6.973177	6.998577	7.070046
UPK1B	UPK1B	6.965822	7.100705	6.922426	7.036393	6.919003	7.019245	6.924316	7.02632	6.991482	7.01176	6.935861	6.827887
UPK2	UPK2	6.868505	7.139764	6.823245	7.041808	7.000042	6.920154	7.093665	6.923274	6.866388	6.940438	6.80149	6.902791
UPK3A	UPK3A	7.003398	6.983297	6.878176	7.090063	6.903969	7.06619	6.980825	7.082021	6.985157	6.874191	6.748296	6.833404
UPK3B	UPK3B	6.914046	7.175229	6.898335	7.141281	7.152236	7.029764	6.960918	6.974985	6.986753	6.986386	6.851429	6.887047
UPP1	UPP1	9.044817	10.46191	9.332524	8.947138	8.705332	9.63103	9.137014	9.164193	9.125921	9.557387	8.971708	9.016547

UPP2	UPP2	6.789602	7.064602	6.703508	7.025758	6.818922	6.886533	6.759814	6.944075	6.847187	6.817491	6.721278	6.767922
UPRT	UPRT	9.371681	9.602777	8.89378	9.020268	9.037682	9.210414	8.587218	8.568059	8.774018	8.596401	8.580597	8.605516
UQCR	UQCR	8.525241	8.5474	7.824063	8.293953	8.124875	8.842119	8.705791	8.838952	8.646543	8.905086	8.591583	8.734056
UQCRB	UQCRB	8.851898	9.490649	8.961628	8.743802	8.733463	10.25875	9.604887	9.552431	9.955606	9.958189	10.20247	9.716584
UQCRC1	UQCRC1	10.75654	10.94456	10.48171	10.61656	10.44973	12.27206	11.53441	11.88572	11.3765	11.75546	11.6554	11.22963
UQCRC2	UQCRC2	10.01587	10.45659	9.80304	10.24488	10.31034	11.63261	11.35165	11.11473	11.39659	11.39272	10.95776	11.08335
UQCRFS1	UQCRFS1	12.46464	12.78279	12.11774	12.49925	12.73894	14.11028	13.52023	13.668	13.63527	13.7739	13.71812	13.47733
UQCRH	UQCRH	12.87101	13.271	12.48342	12.33069	12.50136	13.24322	12.9532	12.91993	13.03411	13.07505	13.03369	12.44946
URB	URB	7.059409	7.223028	6.899985	7.933824	7.579066	7.418675	7.476673	7.840148	8.31307	8.304374	8.431671	8.077312
URG4	URG4	8.294378	8.639495	7.905043	8.41575	8.443301	9.058099	8.872637	8.941546	8.917863	8.978349	8.79933	9.01107
UROC1	UROC1	6.788347	7.165231	6.842144	7.169195	6.915626	7.045227	7.086358	6.902989	6.971357	6.879183	6.739865	6.871918
UROD	UROD	11.0303	11.55386	11.29867	11.47832	11.57958	12.31463	11.91275	11.78564	11.95443	11.9795	11.57554	11.46319
UROS	UROS	10.87357	11.0877	10.83711	11.08783	11.43033	11.97333	11.80935	11.76922	11.74466	11.75371	11.12123	11.43895
URP2	URP2	7.058725	7.178785	6.896297	7.089733	7.062554	7.09744	6.87808	7.020942	7.033396	6.959701	6.799219	6.911936
USF1	USF1	8.851345	9.277668	8.880373	9.170647	8.834905	9.210208	8.837788	8.794707	8.70606	8.693507	8.291932	8.59131
USF2	USF2	8.159411	8.354736	7.942465	8.242397	8.231388	8.595627	8.368069	8.583477	8.531923	8.750288	8.829062	8.776662
USH1C	USH1C	6.829596	6.997018	6.719793	6.977719	6.901471	7.035312	6.873423	6.896033	6.956733	6.953305	6.779828	6.930698
USH1G	USH1G	7.316112	7.486912	7.134965	7.379141	7.097593	7.347853	7.246685	7.137242	7.169613	7.179537	7.108548	7.14803
USH2A	USH2A	6.904532	7.08505	6.805425	6.992647	7.008571	6.996007	6.927541	7.024738	6.9188	6.996359	6.823132	6.893235
USH3A	USH3A	6.927725	7.143395	6.875219	7.057191	7.005085	7.01279	6.877179	7.056524	6.973699	7.075565	6.871773	6.926978
USHBP1	USHBP1	7.220795	7.174151	6.978206	7.132211	7.078854	7.131753	7.033069	7.032089	6.991169	7.034959	6.882118	6.96442
USMG5	USMG5	7.171137	7.473421	7.146212	7.369335	7.227404	8.11988	7.664599	7.451586	7.681569	7.747585	7.615163	7.337483
USP1	USP1	9.112871	9.729921	9.269606	9.264317	8.968183	8.903555	8.657962	8.39788	8.5635	8.463403	7.909096	8.378055
USP10	USP10	9.364077	9.751263	8.785243	9.091012	8.689723	8.751538	8.47918	8.500911	8.492318	8.531204	8.579845	8.774155
USP11	USP11	8.277162	8.989554	8.51826	8.945658	8.891106	9.001958	9.022185	9.148166	8.982799	9.076705	8.979769	8.634212
USP12	USP12	7.137756	7.333115	7.148017	7.299367	7.09869	7.235085	6.889996	7.119452	7.015053	7.061408	7.084146	6.993646
USP13	USP13	9.359454	9.722247	8.875044	9.186924	9.858357	10.4946	10.0383	10.27147	9.827732	10.28661	9.86757	9.9778
USP14	USP14	9.253257	9.166349	8.606887	8.997888	8.828431	9.43539	8.699453	8.854477	8.487032	8.642812	8.785031	8.538247
USP15	USP15	7.480538	7.976377	7.517047	8.268278	8.265501	9.565763	8.960254	9.189328	9.230538	9.379766	8.649287	8.637421
USP16	USP16	8.715242	9.085377	9.223067	9.427726	9.167074	10.06664	9.466563	9.600317	9.645618	9.620668	9.305635	9.179009
USP18	USP18	7.00072	7.176233	7.10329	7.292956	7.08909	7.345186	7.311187	7.218498	7.198396	7.111332	7.00948	6.889438
USP19	USP19	7.126645	7.092501	6.985511	7.155854	7.118209	7.335004	7.115831	7.201133	7.142146	7.209709	7.035462	7.060681
USP2	USP2	7.038678	7.145835	6.914712	7.156117	7.042377	7.359409	7.24893	7.31815	7.195573	7.293478	7.068037	7.185694
USP20	USP20	6.984784	7.293221	6.956732	7.186477	7.133977	7.184899	7.116601	7.102805	7.037818	7.158973	6.967857	6.951152
USP21	USP21	7.828551	7.851317	7.511661	8.007701	8.002517	7.935968	7.732728	7.852468	7.783154	7.761323	7.659805	7.454652
USP22	USP22	7.448363	7.611591	7.31882	7.503305	7.369538	7.500111	7.282444	7.350073	7.28403	7.284899	7.090168	7.259528

USP24	USP24	9.566636	9.936776	10.12235	10.19495	9.987679	9.878739	9.50284	9.522034	9.435073	9.454274	9.346016	9.604091
USP25	USP25	7.164138	7.60343	7.137988	7.561995	7.382466	7.205318	7.273885	7.281799	7.173446	7.320189	7.154363	7.173002
USP26	USP26	7.407021	7.569782	7.366222	7.407983	7.347052	7.473685	7.303186	7.301862	7.375401	7.348166	7.193668	7.132827
USP27X	USP27X	7.006008	7.284981	7.049251	7.261451	7.244897	7.168519	7.078195	7.063964	7.126573	7.04095	6.846771	7.038971
USP28	USP28	7.338658	7.57945	6.963715	7.297605	7.176295	7.602183	7.292933	7.329594	7.326429	7.346877	6.986174	7.236319
USP29	USP29	6.784919	6.967095	6.745034	6.961795	6.901618	6.974515	6.865649	6.909826	6.870305	6.849646	6.699382	6.814501
USP3	USP3	9.544785	8.403346	10.07476	9.867436	9.674797	9.282444	8.979001	9.043641	9.245117	8.960841	8.991329	8.81695
USP30	USP30	7.142066	7.360693	7.024945	7.468308	7.390739	7.465863	7.309096	7.353706	7.292872	7.375131	7.317511	7.314369
USP31	USP31	6.92548	7.076609	6.931029	7.085427	6.89456	7.035327	6.772015	6.968682	6.893248	6.892889	6.784353	6.862441
USP32	USP32	7.185033	7.342587	7.006242	7.349114	7.133248	7.187541	7.179879	7.133988	7.161691	7.17118	6.910341	6.983717
USP33	USP33	8.510687	8.815528	8.602908	8.986912	8.451074	8.996093	8.3552	8.153842	8.224261	8.135242	7.959048	8.583185
USP34	USP34	8.787726	9.168853	8.645798	9.631397	9.186141	9.257547	8.939822	9.078621	9.035312	8.846123	8.799331	8.936977
USP35	USP35	7.115127	7.293065	7.001942	7.311219	7.145121	7.655788	7.344403	7.352737	7.243899	7.411455	7.247818	7.258387
USP36	USP36	8.001724	8.082887	7.762694	7.830077	7.76788	7.875458	7.129754	7.191634	7.238028	7.032335	7.019928	7.113855
USP37	USP37	8.336437	8.594541	8.079403	8.443755	8.260434	8.295681	7.850969	8.152659	7.753947	7.955388	7.765841	7.757134
USP38	USP38	8.995918	9.450372	9.200636	10.15899	10.13289	10.6	10.16732	10.14984	10.03994	9.951817	9.78733	10.11833
USP39	USP39	10.54684	10.61043	10.41861	10.59056	9.983304	10.23105	9.854913	9.927371	9.654825	9.912747	9.877075	9.57789
USP4	USP4	7.731105	8.257891	7.805676	8.119198	8.138581	8.488242	8.124472	8.169562	8.207552	8.162809	7.991652	7.913696
USP40	USP40	7.037795	7.31518	6.970139	7.168429	7.143923	7.281004	7.114813	7.121802	7.049727	7.141316	6.869484	7.05012
USP41	USP41	7.480763	7.673559	7.285764	7.450286	7.317704	7.250464	7.178906	7.114547	7.159262	7.17915	6.864867	7.14305
USP42	USP42	8.631038	8.706497	8.52303	8.68367	8.793818	8.629858	8.313199	8.503774	8.34141	8.317897	8.304488	8.177138
USP43	USP43	6.974507	7.107761	6.780708	7.108372	7.062932	7.175321	6.975721	6.986523	6.889916	7.094879	6.999701	6.943939
USP44	USP44	9.643882	10.31937	7.714518	7.086976	6.989451	6.87576	6.805992	6.914464	6.862201	6.912839	6.739285	6.828013
USP45	USP45	7.190573	7.287971	7.227673	7.459028	7.329452	7.303883	7.081275	7.161417	7.178823	7.204763	7.018274	7.158667
USP46	USP46	8.210539	8.393514	7.849493	8.330691	8.202787	9.072268	8.653761	8.829396	8.513516	8.817134	8.479383	8.664484
USP47	USP47	7.693039	7.79264	7.560723	8.633828	8.63247	9.354455	8.845036	8.76777	8.726703	8.660426	8.059457	8.207577
USP48	USP48	8.156201	8.592799	7.835963	8.020115	7.953927	8.268465	7.922274	7.891027	7.960868	7.783967	7.573844	7.763721
USP49	USP49	9.944431	11.3363	10.67977	11.12548	11.44506	10.93729	11.44528	10.50386	11.24553	10.72365	10.00168	10.77204
USP5	USP5	10.77991	11.08614	10.40607	10.56812	10.835	11.34155	10.61926	10.88036	10.57295	10.69853	11.07421	10.37709
USP50	USP50	6.799483	6.98863	6.786774	7.003373	6.831521	6.961334	6.733058	6.870643	6.813523	6.882458	6.755555	6.899292
USP51	USP51	7.032249	7.314824	7.143487	7.234942	7.336289	7.186739	7.063662	6.957674	7.041274	6.974117	6.953944	6.982924
USP52	USP52	8.440982	8.669197	8.460167	8.725434	8.5548	8.852985	8.727923	8.69637	8.605827	8.744167	8.174973	8.37269
USP53	USP53	7.176424	7.528733	7.139531	7.59594	7.549795	7.791153	7.356569	7.7005	7.318965	7.538846	7.463235	7.527212
USP54	USP54	7.166023	7.664642	7.315523	7.276563	7.116788	7.107327	6.879543	7.062684	6.928056	6.966051	6.83735	6.911447
USP6	USP6	6.961848	7.394493	7.052665	7.116262	7.132759	7.39316	7.099295	7.131159	7.217411	7.096992	6.786791	7.06905
USP6NL	USP6NL	8.357738	8.65465	8.231893	8.454805	8.299327	8.415822	8.053265	8.060372	8.003627	7.96677	7.584845	7.64358

USP7	USP7	9.06462	9.387642	8.477675	8.856364	8.315225	8.409031	8.045372	7.97193	8.092691	8.087761	7.99712	8.403427
USP8	USP8	8.620628	9.191874	8.630962	8.813275	8.640189	9.015515	8.717182	8.386284	8.727747	8.537923	8.330828	8.768549
USP9X	USP9X	11.14125	11.30062	9.393595	9.753476	9.653017	9.943064	9.325074	9.281814	9.305874	9.233885	8.660558	8.972871
USP9Y	USP9Y	6.805764	7.01539	6.893548	7.055756	6.932096	6.937431	6.849244	6.862194	6.874667	7.011652	6.875995	6.910095
USPL1	USPL1	8.698027	8.844079	8.728381	9.338738	8.971951	9.05075	8.702546	8.51035	8.688619	8.463108	8.292435	8.587347
UST	UST	9.296376	9.119664	8.727308	9.425172	9.031488	7.527424	7.243858	7.501505	7.622829	7.37485	7.711934	7.613101
UTF1	UTF1	7.387866	7.699724	6.886866	6.958086	6.809457	6.967871	6.771922	6.905844	6.823736	6.911956	6.736332	6.730303
UTP11L	UTP11L	10.55767	10.99937	10.43793	10.29431	10.24294	11.32726	10.29505	10.51614	10.62316	10.42688	10.59959	9.951984
UTP14A	UTP14A	9.262031	9.882794	9.501934	9.554825	9.212799	9.879441	8.874968	9.059811	8.846023	8.879681	8.888017	8.64262
UTP14C	UTP14C	10.10553	10.41919	9.858525	10.41699	10.6332	10.33272	9.791083	9.852144	9.981455	9.57293	9.317242	9.479276
UTP15	UTP15	8.379455	8.564957	8.050066	8.036787	7.70857	8.050858	7.574749	7.601459	7.698448	7.693025	7.519721	7.579986
UTP20	UTP20	7.26976	7.61395	7.183702	7.336285	7.128219	7.075351	6.958118	6.999322	6.994498	6.992348	6.875024	6.923798
UTRN	UTRN	7.664497	7.814051	7.526396	8.052377	7.70612	7.747587	7.639882	7.704129	7.576368	7.749854	7.446465	7.573641
UTS2	UTS2	6.905938	7.075584	6.895939	7.105151	6.950883	7.019971	6.914762	6.950948	6.91468	6.962825	6.798855	6.889799
UTS2D	UTS2D	6.917136	7.114761	6.931612	7.08879	6.998922	7.09118	6.95538	6.965521	6.869955	6.921987	6.803746	6.860058
UTS2R	UTS2R	6.812642	7.16057	6.856921	7.006352	6.9295	6.900411	6.995335	6.83719	6.951425	6.964844	6.922248	6.8287
UTX	UTX	8.917967	9.10632	8.799801	10.1085	9.365652	10.11999	9.459474	9.156819	9.065747	8.814225	8.280612	8.316563
UTY	UTY	6.877941	7.064297	6.820363	7.081943	6.944743	6.951568	6.850069	6.947389	6.871883	6.896503	6.801358	6.840979
UVRAG	UVRAG	7.535051	7.808229	7.545391	7.880974	7.758307	8.196561	7.79191	7.913617	7.765038	7.93962	7.889982	7.677135
UXS1	UXS1	7.149582	7.40727	6.934759	7.258352	7.083466	7.261127	7.118786	7.109332	7.041237	7.106084	6.877047	7.056908
UXT	UXT	9.661485	10.35664	10.1572	10.48331	10.41242	10.72296	10.34149	10.40015	10.55301	10.70807	10.69175	10.09092
VAC14	VAC14	7.251718	7.444008	7.068739	7.396753	7.161839	7.278099	7.128627	7.213832	7.164226	7.119816	7.141972	7.07137
VAMP1	VAMP1	8.013481	8.031468	7.68795	7.763681	7.796947	8.218697	7.747443	7.843519	7.785899	7.67884	7.350623	7.36019
VAMP2	VAMP2	7.934175	8.025884	7.688645	8.293714	8.726418	9.053411	8.672267	8.822282	8.888718	9.0518	9.129234	8.691397
VAMP3	VAMP3	9.46391	9.760897	9.740931	10.46841	10.47095	10.77282	10.65796	10.9382	10.74688	10.91449	11.04284	10.80103
VAMP4	VAMP4	7.516042	7.590764	7.240799	7.514529	7.506272	7.61006	7.436359	7.578359	7.529147	7.561466	7.498253	7.503892
VAMP5	VAMP5	7.902973	8.219624	8.604376	8.28023	7.960582	7.474263	7.722538	7.622226	7.629605	7.56926	7.723221	7.533713
VAMP8	VAMP8	10.51322	11.0318	12.02495	10.70773	10.27265	9.506009	8.824551	8.480608	8.703833	8.386076	7.901643	8.265817
VANGL1	VANGL1	6.922295	7.359716	7.065	7.125455	7.014143	7.066058	6.822129	6.981667	6.951244	6.892991	6.840454	6.857489
VANGL2	VANGL2	10.53008	10.57873	10.13846	10.10438	9.987681	9.814638	8.975026	8.957794	9.022268	8.35536	8.134063	8.011332
VAPA	VAPA	7.164072	7.367958	7.142785	7.48192	7.287731	7.470395	7.171238	7.18759	7.222042	7.219274	7.042007	7.077109
VAPB	VAPB	7.012827	7.185228	6.780832	7.077179	7.049325	6.976709	6.963863	6.814781	6.947214	6.991941	6.804177	7.177552
VARS	VARS	8.717467	8.846251	8.002876	8.180073	7.823871	7.974538	7.664262	7.796291	7.71134	7.831033	7.961415	7.702763
VARSL	VARSL	9.742989	9.751628	8.889586	9.675229	9.428602	9.526602	9.057442	8.958029	9.019812	8.997431	8.476266	8.867583
VASH1	VASH1	7.743524	7.586987	7.548006	9.090499	9.273111	9.478958	10.00729	10.06406	9.779296	9.78629	8.944066	8.581244
VASP	VASP	7.281852	7.671426	7.129649	7.344667	7.158782	7.412472	7.115081	7.133956	7.212568	7.286645	7.187258	7.217916

VAT1	VAT1	9.278333	10.06898	9.007187	9.370315	9.001971	9.334662	8.820043	8.648512	8.945688	8.777996	9.168979	8.960128
VAV1	VAV1	6.888455	7.054168	6.792311	6.905398	7.055216	7.029377	6.799747	6.841698	6.823967	6.759698	6.693417	6.833792
VAV2	VAV2	7.553853	7.911808	7.097903	7.546955	7.574723	7.62561	7.429388	7.400675	7.352644	7.310274	7.135909	7.201755
VAV3	VAV3	7.834039	8.493191	7.800167	7.524607	7.197589	7.07436	6.921905	7.017835	7.203116	7.04813	6.843422	6.897146
VAX1	VAX1	6.885209	7.039744	6.756134	7.104621	6.908151	7.047176	6.810289	6.890167	6.800081	6.909112	6.838446	6.770091
VAX2	VAX2	6.91655	7.146789	6.856516	6.993061	6.990646	7.2033	7.016332	7.000486	7.073833	7.068136	6.869525	7.065379
VBP1	VBP1	11.26542	11.72514	11.47314	11.48948	11.30339	12.25877	11.68208	11.85463	11.84228	11.85288	11.8127	11.43594
VCAM1	VCAM1	6.980599	7.137919	6.830613	9.843719	11.09651	13.0765	12.15773	11.70567	11.28823	10.67733	9.529433	9.94385
VCL	VCL	11.85098	12.51418	11.30704	11.71986	11.39657	12.16427	11.77555	12.03803	11.79608	11.76886	11.75188	11.2699
VCP	VCP	11.32842	11.69255	11.3017	11.43226	11.11181	11.48185	11.3396	11.25563	11.27406	11.27424	10.60856	11.2142
VCPIP1	VCPIP1	8.444992	8.718424	8.095479	8.518794	8.360518	8.750005	8.298778	8.245666	8.185792	8.04764	8.050236	8.021759
VCX	VCX	7.476735	7.501998	6.997328	7.07818	6.927346	6.956225	6.884056	6.949363	6.91589	7.055478	6.74476	6.769589
VCX2	VCX2	6.96264	7.09885	6.833987	7.035536	6.941355	6.991011	6.886441	6.967586	6.891055	6.911666	6.741454	6.870724
VCX3A	VCX3A	7.151226	7.300297	6.971636	7.170316	7.006926	7.079453	6.95415	7.046852	7.049964	7.037772	6.880628	6.941692
VCX-C	VCX-C	7.245304	7.331685	6.928114	7.067682	7.032964	6.966456	6.872414	7.04637	6.884615	6.986814	6.761313	6.858
VCY	VCY	6.961213	7.165238	6.905574	7.037184	7.020819	7.038777	6.946799	6.992051	6.929676	6.883396	6.802619	6.872134
VCY1B	VCY1B	6.877076	6.999457	6.781027	6.876833	6.827028	6.914007	6.864953	6.862324	6.876594	6.997903	6.845179	6.794467
VDAC1	VDAC1	12.28084	12.21964	11.82121	11.80379	11.86018	12.82839	12.4894	12.80791	12.59152	12.69775	12.83	12.25522
VDAC2	VDAC2	6.898145	7.24651	6.928434	7.070347	7.198467	7.287744	7.239239	7.104761	7.153119	7.200264	6.998669	7.086339
VDAC3	VDAC3	12.62489	13.02866	12.57695	12.67348	12.70438	13.96675	13.59625	13.78266	13.59348	13.71395	13.38672	13.01333
VDP	VDP	11.92645	12.36308	10.59162	11.10898	10.90738	11.32044	10.97516	11.09035	11.12157	10.79012	10.83751	11.05382
VDR	VDR	6.846496	7.096141	6.769294	6.967818	6.899098	7.013529	6.863179	6.933531	6.929759	7.036866	6.896598	6.818064
VEGF	VEGF	7.000234	7.107875	6.812669	7.439186	7.315545	7.382678	7.202093	7.266877	7.245721	7.239676	7.154593	7.651381
VEGFA	VEGFA	7.866659	7.932088	7.632624	9.038399	9.182855	8.998217	8.88247	8.811514	8.944501	8.628887	8.757345	9.70407
VEGFB	VEGFB	9.463117	9.326985	8.727103	9.959794	10.33037	11.04298	10.97249	10.94575	11.1091	11.21689	10.64941	11.34747
VEGFC	VEGFC	7.002606	7.155579	6.806692	8.608498	8.726889	9.919011	8.560597	8.247833	7.727499	7.820318	9.017524	8.558772
VENTX	VENTX	8.366276	9.160267	9.773433	8.894452	7.231923	7.248516	7.007324	7.200896	7.002991	7.096923	6.811724	6.901506
VENTXP7	VENTXP7	6.865485	7.082415	6.928067	7.074634	6.956241	6.956702	6.836287	6.967785	6.941009	6.95736	6.751386	6.851135
VEPH1	VEPH1	6.827675	7.01366	6.762059	6.976627	6.900067	6.913648	6.795987	6.932049	6.959737	6.861595	6.986709	7.211084
VEZT	VEZT	8.896921	9.3788	9.13791	9.438016	9.280176	9.376034	9.003661	9.416638	9.26561	9.258624	9.066473	9.525338
VGCNL1	VGCNL1	6.926116	7.116389	6.88959	6.986754	6.975622	6.994307	7.012612	7.006807	6.79449	7.03281	6.867584	6.955444
VGF	VGF	9.055223	13.36756	10.68661	10.01557	8.03731	10.23851	8.454653	7.945004	8.916854	7.672082	7.873611	7.709689
VGLL1	VGLL1	6.964857	7.070758	7.072705	7.18672	7.207323	7.088667	6.869627	6.985365	6.98383	7.026162	6.932566	7.025882
VGLL2	VGLL2	6.915401	7.126589	6.825585	6.983878	6.972549	7.020298	6.85477	6.926526	6.898611	7.009647	6.814117	6.801848
VGLL3	VGLL3	7.183935	7.565932	7.077286	7.067444	6.979329	6.851987	6.772954	7.082381	7.030717	7.039525	6.899235	6.897249
VGLL4	VGLL4	10.28476	10.46675	10.21774	10.95905	10.90009	11.01399	10.51806	10.45115	10.52723	10.36883	10.08292	10.61173

VHL	VHL	9.272915	9.43535	9.343583	9.701566	9.620971	8.926401	8.760383	8.620416	8.866775	8.413736	8.077071	8.18143
VHLL	VHLL	6.872423	6.926265	6.742229	6.946756	6.947724	6.902852	6.908019	6.852638	6.87515	6.822503	6.637708	6.747742
VIL1	VIL1	6.969167	7.293475	7.028088	7.432887	7.097963	6.866537	6.844862	6.908945	6.962829	6.762275	6.80298	6.824465
VIL2	VIL2	12.66358	13.38591	12.05744	12.90914	13.91583	14.12728	13.4269	13.39101	12.87249	13.00789	12.4948	12.87674
VILL	VILL	6.875187	7.106684	6.969274	7.066696	6.91354	6.905482	6.823171	6.925318	6.85086	6.862824	6.747444	6.861023
VIM	VIM	11.54563	12.40312	12.49269	13.71086	13.29015	12.9749	13.10812	13.2983	13.40212	12.96817	13.98341	13.20597
VIP	VIP	6.879765	7.182027	6.761134	7.039463	6.977972	7.059898	7.394165	8.244133	8.103317	7.546939	7.096332	7.003448
VIPR1	VIPR1	8.655671	8.174257	7.958891	7.76071	8.029792	7.677729	7.420671	7.520447	7.451644	7.48758	7.582251	7.899794
VIPR2	VIPR2	7.319977	7.383481	6.9436	7.40556	7.205837	7.299031	7.363104	7.717825	7.610304	8.319319	8.174213	8.593378
VISA	VISA	6.984309	7.302695	7.088327	7.507559	7.229314	7.540729	7.224583	7.315673	7.205798	7.175334	7.236642	7.126167
VIT	VIT	6.842229	7.051865	6.792801	7.170992	7.050708	6.978854	6.856056	6.933272	6.884099	6.910577	6.751296	6.784427
VKORC1	VKORC1	10.9536	11.12092	10.51444	10.74111	10.97464	10.88219	10.79514	10.8306	10.98924	10.97202	11.59267	10.98807
VKORC1L1	VKORC1L1	9.643993	9.82092	8.940033	9.007396	9.035973	8.975834	8.994544	9.102515	9.177078	9.343701	9.403323	9.254616
VLDLR	VLDLR	8.227608	8.231973	7.517558	7.887575	8.172688	8.498101	8.423987	8.810819	8.915239	8.9476	9.31737	9.230424
VMAC	VMAC	6.880534	7.210385	6.827488	7.18426	7.07287	7.178184	7.079845	7.00088	6.886016	7.018076	6.815545	6.86599
VMD2	VMD2	6.884317	7.145037	6.846887	6.948596	6.981825	6.980987	6.99485	6.976937	7.03222	7.039077	6.901805	7.121695
VMD2L1	VMD2L1	7.377108	7.186422	6.890556	6.956435	6.957669	6.948667	6.837405	7.028512	6.818795	6.82451	6.807182	6.671624
VMD2L2	VMD2L2	7.19853	7.311744	7.028362	7.064713	6.898737	6.965642	6.79406	7.043557	6.982909	6.874048	6.844721	6.79284
VMD2L3	VMD2L3	6.887922	7.097942	6.906694	7.042087	6.937033	6.9557	7.015753	6.940411	6.893624	7.011073	6.846789	6.908358
VMO1	VMO1	6.968277	7.358206	6.880918	7.091654	7.056876	7.290061	6.971837	6.96755	7.065571	7.073596	6.954267	6.954578
VMP	VMP	6.822462	7.031265	6.763548	6.986654	6.956313	6.949953	6.778232	6.877434	7.254789	6.859536	6.707123	6.883885
VN1R1	VN1R1	7.015443	7.261388	6.849236	7.080078	6.999354	7.27631	7.036654	7.098149	7.088793	7.007124	6.782254	6.909603
VN1R2	VN1R2	6.94845	7.104817	6.837464	7.047815	6.972031	6.985556	6.944115	7.013166	6.93936	6.986299	6.810659	6.889732
VN1R4	VN1R4	6.875802	7.22694	6.909347	6.964449	6.919513	7.05498	6.896722	6.962334	6.986098	6.897875	6.862493	6.748633
VN1R5	VN1R5	6.961281	7.189681	6.911823	7.173146	6.912006	7.038557	7.103402	6.98944	7.024581	7.017998	6.917539	6.900859
VNN1	VNN1	6.874831	6.980939	6.920531	7.171176	6.824784	7.017859	6.874583	6.964133	6.884607	6.971991	6.873116	6.912782
VNN2	VNN2	6.87652	6.986882	6.82869	6.983504	6.928327	6.935343	6.816547	6.890315	6.887441	6.927253	6.759016	6.860579
VNN3	VNN3	6.87554	7.049351	6.796588	7.032191	6.877037	6.956752	6.853907	6.883254	6.845603	6.986885	6.8344	6.836626
VPRBP	VPRBP	7.932108	8.111118	7.53553	7.934214	7.510949	7.713847	7.503538	7.656151	7.513971	7.640434	7.35334	7.42109
VPREB1	VPREB1	6.743675	7.029003	6.821176	7.094429	7.025106	6.916813	6.854965	6.886383	6.879922	6.894837	6.781469	6.828661
VPREB3	VPREB3	7.014696	7.070065	6.973534	7.12426	7.067771	7.321386	6.984068	7.223696	7.095882	7.158996	7.059689	7.264206
VPS11	VPS11	7.410577	7.874667	7.631087	7.742723	7.714296	8.20681	7.695186	7.607463	7.850583	7.758421	7.4636	7.830439
VPS13A	VPS13A	7.54385	7.672352	7.228974	7.714183	7.577162	8.166176	7.731334	7.912388	7.729859	7.831921	7.554553	7.574614
VPS13B	VPS13B	6.996527	7.172015	7.016586	7.342707	7.210446	7.285241	7.135002	7.183883	7.162621	7.056584	6.823832	7.023526
VPS13C	VPS13C	7.215794	7.405975	7.237043	7.549548	7.568101	8.133478	7.789618	7.684202	7.656754	7.510058	7.12023	7.727544
VPS13D	VPS13D	6.995226	7.162192	6.815551	7.022687	6.937158	7.043705	6.918212	7.018709	6.933771	7.04123	6.871881	6.920082

VPS16	VPS16	8.670921	8.833007	8.608565	9.156956	8.773866	8.818645	8.652077	8.573497	8.616317	8.371069	8.01446	8.534056
VPS18	VPS18	8.457939	8.966175	8.221796	8.554284	8.297614	8.639607	8.236347	8.196644	8.162277	8.141148	8.088631	8.117545
VPS24	VPS24	7.630592	7.888232	7.612822	8.391101	8.608596	9.121239	8.941299	9.104566	9.085685	9.241457	9.173977	8.664841
VPS25	VPS25	9.77446	10.43977	9.891476	10.06285	9.674641	10.53161	9.816193	9.995385	9.963215	10.04337	10.0129	9.742895
VPS26	VPS26	7.890477	8.387924	8.203573	8.651856	8.342277	8.727905	8.530352	8.129649	8.500291	8.393333	8.145083	8.430191
VPS26A	VPS26A	11.02612	11.22944	10.87173	11.54308	11.44542	11.90086	11.19222	11.22508	11.24308	10.98485	10.81627	11.01353
VPS26B	VPS26B	7.75137	8.118286	7.76776	8.265267	8.163815	8.699128	8.386554	8.660872	8.440728	8.699417	8.727673	8.626318
VPS28	VPS28	8.46728	8.778714	8.904717	9.448892	9.495974	10.07156	9.724837	9.945697	9.837776	10.03302	9.953937	9.545943
VPS29	VPS29	11.11753	11.81526	11.10319	11.1511	11.4125	12.1901	11.85067	11.83237	11.95657	11.78458	11.85968	11.08142
VPS33A	VPS33A	8.537205	8.958903	8.869071	8.721875	8.431003	9.129753	8.268675	8.545425	8.220663	8.234834	8.198476	8.063078
VPS33B	VPS33B	8.646901	8.670074	8.496515	8.76159	8.486493	9.222628	8.399076	8.597577	8.458375	8.478969	8.436546	8.09408
VPS35	VPS35	10.68786	11.35446	11.08602	11.30173	11.75063	12.50213	11.80694	11.96264	12.10209	11.72446	11.34298	11.22922
VPS36	VPS36	8.839977	9.331255	9.429345	9.757184	9.768869	10.43909	10.0712	9.928991	9.933697	9.984175	9.218667	9.47136
VPS37A	VPS37A	8.667533	9.101673	8.91644	9.092248	8.939875	9.846936	9.612995	9.408353	9.73964	9.643261	9.485395	9.713165
VPS37B	VPS37B	8.01436	8.505585	8.207767	8.700448	8.433322	9.064413	8.652673	8.851267	8.566221	8.865332	8.800697	8.486413
VPS37C	VPS37C	11.01727	11.1536	11.06595	11.28804	11.21998	11.48263	10.98362	11.11836	11.00389	11.13186	10.81232	11.12849
VPS37D	VPS37D	9.244198	8.91478	8.833832	9.37302	9.939974	10.35757	9.7288	9.534611	10.01804	9.434174	8.898665	9.464645
VPS39	VPS39	7.70233	7.847712	7.730074	8.260205	8.035354	8.278931	8.044703	8.062914	7.982876	8.025299	7.834053	7.853417
VPS41	VPS41	9.183654	9.900341	9.50806	9.771573	9.779982	10.1884	9.779533	9.605559	9.741031	9.571868	9.26611	9.608946
VPS45A	VPS45A	8.875348	9.31299	8.982864	9.727605	9.687753	11.21618	10.36322	10.5965	10.16071	10.46458	10.40503	10.07254
VPS4A	VPS4A	8.059573	8.459964	7.915562	8.350404	8.029096	8.159363	8.101821	8.18696	8.221741	8.421661	8.606734	8.44362
VPS4B	VPS4B	9.90673	10.35656	9.820178	10.19636	10.07853	9.965156	9.398978	9.613536	9.453057	9.354923	9.738237	9.499613
VPS52	VPS52	8.500431	9.00402	8.702428	8.84417	8.624474	8.948927	8.639318	8.782631	8.618446	8.794734	8.776196	8.550478
VPS53	VPS53	7.158338	7.367739	7.008191	7.238105	7.078223	7.186164	7.061866	7.097532	7.07703	7.068365	6.940948	6.940359
VPS54	VPS54	7.535205	7.63071	7.52999	8.145786	8.013701	8.25278	7.821757	7.983241	7.989084	7.893156	7.702176	7.580099
VPS72	VPS72	9.147172	9.288559	8.821293	9.033109	8.784195	9.384193	8.668607	8.84454	8.876544	8.851416	8.726603	8.302969
VPS8	VPS8	8.199951	8.504167	8.23648	8.598661	8.662618	9.240092	8.72006	8.849307	8.622253	8.700422	8.581405	8.393711
VRK1	VRK1	9.880545	9.835192	9.383472	9.226274	8.882895	8.929099	8.497286	8.301807	8.496429	8.301271	7.762179	7.690171
VRK2	VRK2	7.947168	8.513104	7.714175	8.076706	8.298378	7.934718	7.578948	7.660009	7.704357	7.682678	7.5689	7.589267
VRK3	VRK3	8.178881	8.180734	7.948364	8.151258	8.003292	8.318025	8.063019	8.027886	7.999295	8.048974	7.859471	7.903889
VSIG1	VSIG1	7.11718	7.114359	6.97484	6.995845	6.955108	6.979393	6.828997	7.044661	7.063509	7.266506	7.390677	7.172098
VSIG2	VSIG2	6.953222	7.146377	6.83651	7.153291	7.019356	7.124553	6.90097	6.953258	7.037273	6.994893	6.9399	6.914496
VSIG4	VSIG4	6.919985	7.149196	6.944967	7.107847	6.974711	6.976099	6.848829	6.969494	6.9121	6.918032	6.887521	6.779611
VSIG8	VSIG8	6.91607	7.048561	6.805086	6.988573	6.843439	7.060618	6.89993	6.975309	7.050967	6.985696	6.843063	6.982375
VSIG9	VSIG9	6.87165	7.178174	6.857992	7.117282	6.938362	7.043617	7.057549	6.956023	6.999353	7.03637	6.916211	6.993853
VSNL1	VSNL1	9.765652	8.403405	7.443962	7.143394	7.459798	8.883444	8.939795	8.967474	9.54379	9.589187	8.934672	8.32429

VSX1	VSX1	6.857048	7.049601	6.759464	6.965455	6.873452	6.8744	6.820831	6.883253	6.847398	6.876241	6.730955	6.774236
VTCN1	VTCN1	7.00351	7.049059	7.747956	8.444452	8.222332	7.063356	6.766845	6.959804	7.162709	6.896318	6.722725	6.732607
VTI1A	VTI1A	6.945398	6.956117	6.884784	7.09286	6.91304	7.024058	6.938104	7.083556	6.942046	7.136387	6.724411	6.997611
VTI1B	VTI1B	8.639469	9.244947	8.665663	8.744417	8.791905	9.127198	8.804119	8.477754	8.841436	8.767601	8.746871	8.800555
VTN	VTN	6.679765	6.982534	6.815717	7.545293	8.701171	7.432027	7.327934	7.514314	7.390918	7.734849	8.232455	8.412343
VWA1	VWA1	7.332211	7.847711	7.335684	7.417542	7.298417	7.234053	7.237297	7.347605	7.250977	7.1488	7.259391	7.100174
VWA2	VWA2	7.00619	7.153492	6.908571	7.026106	6.902006	6.945013	6.793865	6.848911	6.902466	6.853296	6.740023	6.88711
VWCE	VWCE	8.316629	8.089952	8.152589	8.707728	8.061877	7.20408	6.980747	6.978371	7.188429	7.032061	6.840445	6.842663
VWF	VWF	7.292423	7.321894	10.23256	8.024786	7.690876	6.90481	6.77651	6.976372	6.94222	6.80973	6.927172	6.929927
WAC	WAC	10.13818	10.76441	10.3156	10.35426	10.28225	10.62303	10.09	9.994978	10.13942	9.841555	9.547544	9.7097
WARS	WARS	10.03311	10.76997	9.7541	9.956402	9.383671	9.739817	9.421276	9.813791	9.816132	9.643473	10.18958	10.1603
WARS2	WARS2	6.889829	7.208675	6.911448	7.111191	7.12253	7.120996	7.157843	7.129631	7.133003	7.094917	6.866704	6.997671
WAS	WAS	7.254286	7.443971	7.01484	7.285882	7.3192	7.760642	7.399166	7.391056	7.231408	7.264724	7.103081	6.995291
WASF1	WASF1	7.113905	7.393316	7.06708	7.542928	7.480918	7.272054	7.032928	7.063802	7.118121	7.024348	6.90419	6.976105
WASF2	WASF2	8.348937	8.547284	8.123184	8.610999	8.483134	8.617427	8.228316	8.558601	8.331561	8.371118	8.61295	8.379936
WASF3	WASF3	9.545498	9.391854	9.418109	10.07646	9.706299	9.637985	9.622427	9.512979	9.021841	8.902813	8.420082	8.587601
WASL	WASL	10.78559	11.21854	10.67179	10.81929	10.69464	11.18759	10.5008	10.74285	10.38934	10.56253	10.71082	10.40693
WASPIP	WASPIP	7.192937	7.404873	7.630132	9.018774	9.082271	7.732161	7.834348	7.995975	8.024204	7.947701	7.995908	8.229229
WBP1	WBP1	9.636361	10.09101	9.95811	10.07064	10.25247	10.7309	10.47814	10.44182	10.44447	10.52365	10.12335	9.690573
WBP11	WBP11	10.41793	10.43598	9.993648	10.00755	10.0283	10.10141	9.565307	9.756291	9.512023	9.745189	9.753241	9.535767
WBP2	WBP2	10.99251	11.18274	10.79161	10.58643	11.04875	11.89393	11.44122	12.02237	11.49959	12.07079	12.36137	11.66419
WBP4	WBP4	9.091925	9.476737	9.22408	9.378412	9.296436	9.747476	9.289648	9.398376	9.265538	9.34149	9.196413	9.554288
WBP5	WBP5	10.39513	10.96073	11.11055	11.95995	12.01254	11.79974	11.61759	11.6454	11.84838	11.70205	11.63927	11.04453
WBSCR1	WBSCR1	10.45599	10.57229	10.06908	10.2451	10.23484	10.76239	10.00627	10.28863	9.786219	10.06893	10.4334	10.01213
WBSCR14	WBSCR14	7.307653	7.235803	7.393508	7.026633	6.941752	7.068068	7.007074	7.018134	6.799168	6.957033	6.841597	6.884428
WBSCR16	WBSCR16	7.238789	7.446875	7.174908	7.366698	7.219855	7.360093	7.126936	7.303184	7.123578	7.206028	7.105735	7.120259
WBSCR17	WBSCR17	7.068492	7.123735	6.854302	6.989216	6.937197	7.133741	6.848569	6.973747	6.865778	7.012797	6.880649	6.880331
WBSCR18	WBSCR18	7.90525	8.163512	7.898901	8.12298	8.298662	8.495271	8.252333	8.181396	8.162648	8.092927	7.656182	7.747367
WBSCR19	WBSCR19	6.851984	7.104602	6.843596	7.116652	6.992759	7.012572	6.954363	7.041547	6.923114	6.977591	6.75258	6.828441
WBSCR20	WBSCR20	7.899965	7.964301	7.343661	7.649932	7.436998	7.914571	7.459096	7.498467	7.368517	7.548167	7.363638	7.283399
WBSCR22	WBSCR22	10.29091	10.35587	9.529629	9.899178	9.852965	10.92255	10.46666	10.57233	10.48749	10.65522	10.64425	10.51535
WBSCR23	WBSCR23	6.793307	7.113869	6.82662	6.870819	6.80996	7.10235	6.880764	6.99083	6.755543	6.859041	6.654656	6.769467
WBSCR27	WBSCR27	7.227607	8.012946	7.22155	7.344552	7.097317	7.072035	6.952039	7.076126	6.93377	7.030304	6.961395	7.050633
WBSCR28	WBSCR28	6.916841	7.041559	6.743469	7.02711	6.921247	6.941773	6.910245	6.973167	6.907311	6.954434	6.858791	6.93084
WDFY1	WDFY1	11.80801	12.04232	11.2693	11.32097	11.02541	10.69674	10.24946	10.24695	10.4297	10.12598	10.19732	10.19521
WDFY2	WDFY2	8.872128	9.30894	8.284731	8.288278	7.888329	7.833327	7.598825	7.744676	7.521006	7.71176	7.677471	7.681541

WDFY3	WDFY3	6.975419	7.306775	7.133327	7.321808	7.160861	7.180303	7.047842	7.086576	7.095994	7.100074	6.891827	7.136319
WDHD1	WDHD1	7.858063	8.432695	7.689948	7.6642	7.295615	7.497339	7.273398	7.352269	7.309174	7.332071	7.030786	7.249554
WDR1	WDR1	11.5047	11.99983	11.2579	11.63089	11.31545	12.02637	11.30321	11.53851	11.38797	11.43467	11.93779	11.26622
WDR12	WDR12	11.06812	11.29117	10.60573	10.22096	10.03681	11.24354	10.00866	9.918634	10.03333	9.717136	9.570296	9.433233
WDR13	WDR13	8.183153	8.736572	8.256845	9.126569	9.597547	10.0959	9.842326	9.898768	10.02343	10.31658	9.836722	9.916786
WDR16	WDR16	6.880361	7.097002	6.815773	7.050619	6.997463	7.039428	6.884594	7.000819	6.916749	6.964414	6.763524	6.922885
WDR17	WDR17	6.890998	7.092612	6.876088	7.024246	6.962475	6.977494	6.920402	6.978075	6.936757	6.960978	6.771743	6.914476
WDR18	WDR18	11.59615	11.89147	11.18083	11.3163	11.35791	11.34309	10.83922	10.5299	10.78078	10.64479	10.16405	10.60034
WDR19	WDR19	9.543307	9.952854	10.13872	10.60501	10.37926	10.0307	9.375547	9.267479	9.598957	8.906522	8.483309	8.827671
WDR20	WDR20	8.117936	8.222944	7.891249	8.184636	8.333342	8.760292	8.252186	8.351872	8.170191	8.301735	8.249335	8.175086
WDR21A	WDR21A	8.190835	8.397135	8.316844	8.140264	8.038119	8.234377	7.50346	7.6683	7.653534	7.598267	7.626949	7.605455
WDR21C	WDR21C	7.000439	7.182784	6.944679	7.06448	7.227309	7.233242	7.028966	7.021748	7.136259	7.181813	6.931982	6.965655
WDR22	WDR22	8.340717	8.769487	8.661066	9.40194	10.09644	11.67433	11.38511	11.36197	11.30889	11.38092	10.43966	10.99499
WDR23	WDR23	7.838601	7.979655	7.54665	7.942286	7.938882	8.386046	8.193339	8.044954	8.117587	8.154413	7.765133	8.288329
WDR24	WDR24	7.608794	7.873621	7.307541	7.491411	7.484905	7.556128	7.304282	7.58943	7.429311	7.58632	7.25567	7.406588
WDR25	WDR25	7.46903	7.863489	7.314554	7.601584	7.510806	8.186494	7.713368	7.832734	7.651511	7.867561	7.714313	7.620234
WDR26	WDR26	8.645739	8.906748	8.454896	9.126792	8.943453	9.426136	8.93095	8.980136	8.872253	8.782389	8.701398	8.918129
WDR27	WDR27	8.005058	7.935209	7.810628	8.084837	7.991014	7.563848	7.481427	7.554807	7.400753	7.186381	7.245569	7.048425
WDR3	WDR3	7.076578	7.357709	6.962602	7.307287	7.065641	7.07127	6.927034	6.921791	7.049382	6.982906	6.872249	6.968393
WDR31	WDR31	6.852297	7.14183	6.862623	7.052582	7.138056	7.325305	7.202248	7.225402	7.172294	7.213962	6.954905	7.054645
WDR33	WDR33	8.430076	8.828726	8.442718	8.890001	8.894918	9.677686	9.151469	9.134177	9.361695	9.010706	8.805184	8.70463
WDR34	WDR34	8.471785	9.292005	8.80916	8.919185	8.787917	8.919217	8.521263	8.623403	8.764721	8.827747	8.638305	8.300299
WDR35	WDR35	7.756242	7.781065	7.587115	7.74864	7.695569	7.868036	7.391758	7.548285	7.422099	7.505648	7.22168	7.295025
WDR36	WDR36	9.32867	9.492406	9.059169	9.916362	9.505297	9.66279	9.022832	8.990309	8.942903	8.785931	8.67389	8.82058
WDR37	WDR37	8.287925	8.50119	8.032579	8.598356	8.629877	9.453072	8.838518	9.064333	8.713317	8.863493	8.929021	8.636326
WDR39	WDR39	8.476467	8.598785	8.274679	8.662297	8.865078	9.590398	8.935736	9.33136	8.738921	9.180301	9.328423	9.203289
WDR4	WDR4	9.119098	9.333731	8.743731	8.563313	8.20306	8.166981	7.764736	7.808253	7.794348	7.731927	7.897792	7.562346
WDR40A	WDR40A	9.135268	9.521823	8.966185	9.947825	9.525126	9.581023	9.343427	9.124654	9.107666	9.020765	9.026537	8.996358
WDR40B	WDR40B	6.803618	7.188621	6.911403	7.116223	6.99513	7.10028	6.994959	7.013328	6.962089	7.073296	6.881802	6.91804
WDR41	WDR41	9.809932	10.08328	10.00486	10.45286	10.02156	10.58572	10.21759	10.06543	10.17441	10.01956	9.689242	10.03609
WDR42B	WDR42B	6.795884	6.877135	6.702851	6.891598	6.870772	6.854727	6.721006	6.820183	6.784028	6.816342	6.675031	6.794851
WDR42C	WDR42C	6.795232	7.014286	6.8522	6.894553	6.888305	6.9371	6.834209	6.905237	6.822303	6.925929	6.768089	6.826176
WDR43	WDR43	8.779687	8.989488	8.646901	8.401798	8.108849	8.404892	7.513656	7.781823	7.708512	7.701387	8.003557	7.936888
WDR44	WDR44	8.213562	8.556591	7.902079	7.954555	7.621906	8.592627	8.318755	8.40257	8.23048	8.262387	8.149897	8.171348
WDR45	WDR45	7.327441	7.941308	7.564071	7.826088	7.739622	8.014437	7.859085	7.904116	7.835563	7.975229	7.85524	7.864426
WDR45L	WDR45L	9.716876	9.420977	9.072428	9.408457	9.342792	9.628931	9.101299	9.440101	9.105998	9.325017	9.485516	9.386012

WDR46	WDR46	9.847185	10.22599	9.432018	9.522867	9.210408	9.268694	8.69951	8.858941	8.718343	8.635551	9.049561	8.853034
WDR47	WDR47	7.171314	7.46894	7.166545	7.613833	7.493458	8.21541	7.770243	7.92109	7.93731	7.839201	8.049869	7.84423
WDR48	WDR48	9.606158	10.09719	9.881186	10.12435	9.620387	10.08792	9.435186	9.668037	9.402421	9.49498	9.077468	9.283971
WDR49	WDR49	7.002005	7.096558	6.804203	6.999514	6.939609	6.983473	6.920412	6.961761	6.914237	7.007304	6.771451	6.859042
WDR5	WDR5	8.226722	8.30175	7.779793	8.003786	7.868515	7.531732	7.452786	7.499824	7.496136	7.4807	7.308744	7.277426
WDR50	WDR50	9.560273	9.951819	9.140187	9.005913	8.496856	8.466051	7.934038	7.824861	7.928035	7.848527	7.911234	7.716188
WDR51A	WDR51A	11.24341	11.36064	10.33588	10.37537	10.17148	9.926432	9.689666	9.378432	9.51122	9.434762	8.694526	8.292133
WDR51B	WDR51B	8.152462	8.348658	8.286635	8.323297	8.135742	8.470321	8.035093	7.813989	8.119653	7.933457	7.879261	7.71409
WDR52	WDR52	7.165833	7.491713	7.290387	7.456002	7.405188	7.535934	7.387135	7.315445	7.35473	7.409904	7.276396	7.278041
WDR53	WDR53	8.457644	8.876523	8.165722	8.255591	8.006887	8.19957	7.773744	7.797952	7.862169	7.791111	7.794835	7.652495
WDR54	WDR54	11.86948	11.85458	10.71206	11.20203	11.50025	10.00062	10.01117	9.993928	10.19788	9.90044	9.949998	10.45279
WDR55	WDR55	8.124731	8.635973	7.95067	8.155877	7.915852	7.948252	7.837684	7.825097	7.85206	7.832641	8.030389	7.849458
WDR57	WDR57	10.74164	10.85722	10.53057	10.29711	9.857969	9.795762	9.169182	9.524767	9.303254	9.306186	9.167328	8.974005
WDR58	WDR58	9.213235	9.75666	8.977752	9.213183	8.938389	8.72139	8.075603	8.182921	8.014286	8.106805	8.001947	7.735188
WDR59	WDR59	10.0866	10.48008	9.6713	10.22877	10.01074	9.887384	9.799867	9.937051	9.802589	9.831785	9.553735	9.50845
WDR5B	WDR5B	6.990947	7.325804	7.112935	7.499769	7.357904	7.28671	7.157484	7.324487	7.257029	7.248566	7.103957	7.040643
WDR6	WDR6	11.69872	12.00201	11.31926	11.68061	11.84595	11.79286	11.48897	11.64627	11.40697	11.34566	10.99919	10.96141
WDR60	WDR60	9.618429	9.200702	8.815617	9.369586	9.664902	9.537801	9.386819	9.198532	9.166204	8.954238	8.51043	9.082214
WDR61	WDR61	10.81135	11.19164	10.7045	10.91044	10.76178	11.46506	10.8131	10.95787	10.97568	10.84973	10.93043	10.48988
WDR62	WDR62	7.797771	7.968925	7.274577	7.428568	7.239105	7.860424	7.686912	8.069827	7.809511	8.405231	7.919657	7.814846
WDR63	WDR63	6.829297	6.960512	6.917489	7.384591	7.323234	7.899819	7.384365	7.321621	7.260849	7.28311	6.946904	7.014245
WDR64	WDR64	6.833437	6.988409	6.905196	7.006565	7.032796	6.980544	6.835421	6.9149	6.769881	6.898592	6.770064	6.789986
WDR65	WDR65	6.832825	7.13534	6.869585	6.934966	6.888185	7.10036	6.869319	6.930399	6.799609	6.842137	6.837104	6.877399
WDR66	WDR66	6.787519	7.06138	6.841616	6.997544	7.009696	7.287421	6.92812	6.949712	6.816403	6.973214	6.805517	6.851769
WDR67	WDR67	9.157825	9.179817	8.613315	8.826444	8.445897	8.982745	8.706865	8.531334	8.37593	8.364611	7.680817	7.939876
WDR68	WDR68	10.1941	10.11864	9.77048	10.11399	10.1667	10.43343	9.863971	10.07543	9.923177	9.861912	9.88719	9.609312
WDR69	WDR69	6.835712	7.048494	6.865283	6.988408	7.097661	7.069441	6.80216	6.924422	6.810365	6.872243	7.104322	6.900563
WDR7	WDR7	7.694908	7.978366	7.519686	7.910316	7.715172	7.972915	7.706954	7.929237	7.72622	7.898143	7.76903	7.994158
WDR70	WDR70	9.505808	10.06194	9.702148	9.606361	9.412714	9.155709	8.864439	8.898142	8.902742	8.79337	8.201193	8.551792
WDR71	WDR71	9.440044	9.648689	9.50813	9.682649	9.865604	10.14425	9.819933	9.760322	9.796678	9.72364	9.375096	9.100149
WDR72	WDR72	8.182095	7.926663	7.04989	7.159327	7.070906	6.87416	6.888826	6.980214	6.89232	6.911479	6.788702	6.79819
WDR73	WDR73	8.16231	8.714294	8.554687	8.792987	8.608072	8.871461	8.435878	8.513301	8.467112	8.384428	7.97482	8.058447
WDR74	WDR74	9.75076	10.02346	8.980598	9.148283	9.086959	9.204176	8.973803	8.584896	8.903605	8.660865	8.361625	8.854654
WDR75	WDR75	11.79287	12.15705	11.50206	11.30722	10.97477	10.9321	10.18978	10.20918	10.51079	10.15404	9.898226	10.10334
WDR76	WDR76	7.157094	7.22434	6.98265	7.194267	7.066633	7.137853	7.095705	7.109636	7.009049	7.108134	6.744262	6.885869
WDR77	WDR77	9.126576	9.7349	9.209787	9.165621	8.821591	9.65785	8.990204	8.826681	8.79506	8.916931	8.572028	8.575663

WDR78	WDR78	6.869922	7.108176	6.867431	7.033583	7.035833	7.100486	6.94525	7.037732	7.001535	6.993435	6.808403	6.849504
WDR79	WDR79	8.921058	9.159446	8.500926	8.857739	8.424786	8.659255	8.123849	7.831577	8.077451	8.04277	7.61802	7.879016
WDR8	WDR8	9.426999	9.34177	8.481619	8.952458	8.850969	8.961856	8.770165	8.946955	8.734282	8.686286	8.889812	8.813647
WDR81	WDR81	7.062572	7.448235	7.119975	7.18624	7.230935	7.18985	7.047873	7.094736	7.138553	7.106778	7.061699	7.008096
WDRPUH	WDRPUH	6.824478	7.03466	6.863056	6.958476	6.978101	6.934594	6.818811	6.890988	6.81982	6.832073	6.744827	6.738682
WDSOF1	WDSOF1	8.116297	8.379099	7.896019	7.908479	7.524444	7.738597	7.460674	7.272673	7.533034	7.48937	7.295688	7.536052
WDSUB1	WDSUB1	8.642377	9.067287	8.503772	8.982595	9.125599	9.453754	8.953492	8.673669	8.841912	8.667162	8.462294	8.418394
WDTC1	WDTC1	6.951366	7.040855	6.749677	7.096987	6.903816	7.09564	6.931049	6.987582	6.928758	7.054097	6.813196	6.848716
WEE1	WEE1	10.12469	11.4073	9.85914	10.32038	9.879325	11.24743	11.33838	11.5666	11.31318	11.67654	10.9679	10.90546
WFDC1	WFDC1	6.9194	6.94963	6.773473	6.937605	7.044917	7.21878	6.90941	7.158761	7.067719	6.908703	6.776395	6.770472
WFDC10A	WFDC10A	7.024464	7.117766	6.899364	7.039767	6.900947	7.085452	6.919798	6.985517	6.966598	6.974065	6.78189	6.819229
WFDC10B	WFDC10B	6.971203	7.159773	6.830199	7.192139	7.074334	7.036695	6.808446	7.030055	6.940475	7.035578	6.904054	6.888196
WFDC11	WFDC11	6.854517	7.032456	6.744007	7.021995	6.899814	6.979327	6.916683	6.888038	6.704146	6.766526	6.734766	6.69714
WFDC12	WFDC12	6.899494	7.047416	6.69735	6.991971	6.92662	6.99827	6.902034	6.963405	6.859843	6.914947	6.811089	6.805959
WFDC13	WFDC13	6.852278	6.970683	6.612327	6.978114	6.834963	6.986427	6.865939	6.936721	6.804256	6.893648	6.713062	6.821171
WFDC2	WFDC2	7.212926	7.299916	7.061076	7.16806	7.062965	7.072463	7.008368	7.056853	7.036551	7.095892	6.963694	6.979668
WFDC3	WFDC3	6.931537	7.221877	6.922568	7.13577	7.799912	7.223387	7.052428	7.162028	7.177808	7.229321	7.337515	7.158682
WFDC5	WFDC5	6.764062	7.128252	6.7873	7.080395	7.014331	6.963973	6.935955	7.025109	6.934958	6.990028	6.83251	6.879247
WFDC6	WFDC6	6.886817	6.999076	6.725057	6.962853	6.848626	6.894875	6.818629	6.869423	6.825182	6.87356	6.708347	6.842717
WFDC8	WFDC8	6.915255	7.140746	6.854926	7.044841	6.928759	7.010274	6.943791	6.992647	6.82917	6.983176	6.840997	6.869532
WFDC9	WFDC9	6.797577	7.090684	6.768946	6.931972	6.948798	6.9323	6.800547	6.869372	6.82803	6.919076	6.660969	6.82414
WFIKKN1	WFIKKN1	7.294045	7.332684	7.253723	8.448342	8.141745	7.283423	6.773392	6.86365	6.816032	6.793131	6.765168	6.819057
WFIKKN2	WFIKKN2	6.802728	6.964523	6.646333	6.942127	6.972443	6.933266	6.726024	6.843228	6.833341	6.77768	6.675129	6.861993
WFS1	WFS1	10.19369	10.09505	9.608197	9.951588	9.901313	10.51536	10.37138	10.46665	10.37776	10.6474	10.04105	10.71829
WHDC1	WHDC1	7.098205	7.302625	7.149597	7.348666	7.322931	8.050644	7.395496	7.400037	7.535801	7.474902	7.06777	7.582894
WHDC1L1	WHDC1L1	6.823449	7.197968	6.827218	7.061921	6.992968	6.988223	6.948219	6.976915	6.949471	7.006803	6.864165	6.920276
WHDC1L2	WHDC1L2	6.944317	7.100029	6.815468	7.050873	6.98613	6.974536	6.932167	6.933819	6.894229	7.014217	6.774836	6.951784
WHSC1	WHSC1	6.99796	7.147454	6.895958	7.126112	7.033126	7.240843	7.084521	7.106991	7.047109	7.18323	6.946411	7.021244
WHSC1L1	WHSC1L1	7.182968	7.569338	7.059572	7.458339	7.297486	7.388807	7.107614	7.119377	7.067866	7.108041	6.923822	7.098097
WHSC2	WHSC2	7.726955	7.90179	7.437035	7.753604	7.508684	7.639036	7.389628	7.273064	7.313183	7.312924	7.138111	7.288073
WIBG	WIBG	9.407439	10.03617	9.326318	9.32933	8.787152	8.961768	8.504252	8.269972	8.353011	8.345551	8.314234	8.149033
WIF1	WIF1	7.209158	7.341335	6.859356	7.068733	6.99086	7.162543	6.883959	6.93969	7.167468	7.059714	6.900176	6.95899
WIPF1	WIPF1	6.966925	7.068563	6.934918	7.442768	7.393792	7.122393	7.023477	7.038204	7.050415	7.131122	7.06635	7.174573
WIPF3	WIPF3	7.03198	7.333975	6.920391	6.990259	6.914069	6.892746	6.884888	6.911706	6.787286	6.956891	6.727593	6.830148
WIPI1	WIPI1	8.240062	8.315202	8.268808	8.943548	8.843504	10.16784	9.977369	10.11302	9.98501	10.12845	10.21822	9.77107
WIPI2	WIPI2	8.12249	8.548456	8.127015	8.420931	8.248143	7.90938	7.533484	7.569089	7.651228	7.50987	7.48604	7.456843

WIRE	WIRE	7.227394	7.229365	7.067408	7.386292	7.220149	7.2954	7.24412	7.239375	7.236	7.243472	7.185175	7.211557
WISP1	WISP1	6.820747	6.950439	6.818249	7.558723	7.867562	7.213931	7.009619	7.175832	7.012802	6.979228	6.75289	6.812674
WISP2	WISP2	6.878455	7.123186	6.872226	7.008378	7.015131	6.955998	6.864555	7.014781	6.884459	6.93917	6.739712	6.862704
WISP3	WISP3	6.883631	7.077006	6.816295	7.024435	6.925996	6.995324	6.910686	6.889145	6.872417	6.921794	6.793772	6.825057
WIT-1	WIT-1	6.771774	6.880795	6.740253	6.959623	7.111227	6.811991	6.875729	7.073739	7.060438	6.96721	6.787105	7.033915
WNK1	WNK1	7.289478	7.666042	7.207456	7.915223	7.573196	7.610216	7.429366	7.565693	7.45455	7.648995	7.497441	8.130299
WNK2	WNK2	7.396793	7.348555	6.859438	7.16781	7.047956	7.349644	7.180999	7.282036	7.149762	7.395752	7.032824	7.391465
WNK3	WNK3	7.920748	8.340965	7.934063	8.032621	7.669017	7.662118	7.260519	7.169668	7.341063	7.119386	6.98263	6.990673
WNK4	WNK4	6.918273	7.215799	6.865572	7.165429	7.008213	7.039161	6.869219	6.869813	6.927936	6.887018	7.08187	6.906341
WNT1	WNT1	6.955686	6.951185	6.784332	6.961579	6.862885	6.886315	6.802382	6.84556	6.866906	6.92166	6.800762	6.817837
WNT10A	WNT10A	6.952867	7.151032	6.863488	7.147089	6.954208	7.022408	6.922236	7.033429	7.103896	6.940042	6.844525	6.900443
WNT10B	WNT10B	7.16981	7.694099	6.988177	7.09944	7.042796	7.057987	6.934313	6.951581	6.994602	6.967791	6.937178	6.857989
WNT11	WNT11	6.884983	6.958028	6.829047	7.858787	7.893982	8.204179	7.653612	7.574868	7.549546	7.495119	7.172081	7.244276
WNT16	WNT16	7.097649	7.459929	7.082234	7.258382	7.191491	7.182744	7.125576	7.134223	7.117924	7.225407	6.959786	7.033478
WNT2	WNT2	6.916779	7.159812	6.900936	8.657556	9.948915	10.81734	8.793877	7.79644	7.175009	7.038801	7.019249	7.09966
WNT2B	WNT2B	7.08239	7.366957	7.085993	7.230996	7.356814	7.298681	7.217395	7.189605	7.452947	7.182673	7.023362	7.22902
WNT3	WNT3	7.275973	7.802474	9.684016	8.233301	8.21314	7.831346	7.498426	7.375046	7.752365	7.393624	7.102377	7.268348
WNT3A	WNT3A	7.043939	7.066095	8.551157	8.005255	6.989843	7.020893	6.835181	6.892881	6.826429	6.816456	6.759228	6.796444
WNT4	WNT4	6.905148	7.10894	7.17211	7.079129	6.988175	6.996992	6.884525	6.973572	7.277403	6.94483	6.795828	6.734007
WNT5A	WNT5A	7.094015	7.303329	9.383646	9.872253	8.6486	8.556122	8.42926	8.369647	8.334529	8.291992	8.954599	9.223686
WNT5B	WNT5B	6.873095	7.193696	7.785243	8.513605	7.866619	8.494476	8.23327	8.417096	8.016071	8.25182	7.761644	7.73262
WNT6	WNT6	6.931291	7.016455	6.92394	7.086897	7.044011	7.101296	6.930601	6.997258	7.069807	7.021199	6.825355	6.935022
WNT7A	WNT7A	6.90343	7.112528	6.837698	7.128081	6.951057	7.020781	6.869767	7.008374	6.892679	6.918329	6.804676	6.900987
WNT7B	WNT7B	6.897372	7.097162	6.83184	6.987904	6.958801	6.985646	6.971354	6.935327	6.959412	6.922623	6.851702	7.033214
WNT8A	WNT8A	6.913574	7.085875	7.76452	7.28167	6.998892	7.040538	6.942176	6.942031	6.923687	6.961582	6.837843	6.91413
WNT8B	WNT8B	6.877628	7.003966	6.711961	7.019816	6.901155	6.894301	6.752104	6.816583	6.758934	6.809868	6.706781	6.785378
WNT9A	WNT9A	6.966038	7.177505	6.766207	7.054554	6.929486	7.017463	6.935691	6.972234	6.946633	6.885352	6.748585	6.8392
WNT9B	WNT9B	6.917785	7.195309	6.81871	7.062472	7.00362	7.087521	6.999165	6.923727	6.976399	7.006129	6.971656	6.813846
WRB	WRB	8.932951	9.446317	9.267945	9.450329	9.882188	10.95083	10.61763	10.3826	10.77994	10.26599	10.06905	9.775783
WRN	WRN	9.591988	9.669323	9.432809	9.330235	8.904476	8.930899	8.291246	8.306927	8.37601	8.152651	8.076126	7.958032
WRNIP1	WRNIP1	10.03892	10.24624	9.663718	9.862302	10.39944	10.60923	10.26198	10.22124	10.12953	10.15986	9.961736	10.01813
WSB1	WSB1	9.111549	9.727866	9.398901	10.3446	10.66775	10.44753	10.44992	10.03496	10.37754	9.864864	8.939002	9.228279
WSB2	WSB2	8.388177	8.73807	8.286955	8.356799	8.544919	8.701948	9.215456	8.70844	9.276311	9.222017	9.352716	9.464483
WT1	WT1	6.898766	7.065717	6.818991	7.182125	7.440049	7.215295	7.258156	7.60809	7.508198	7.321849	7.418609	7.360427
WTAP	WTAP	9.340915	9.58155	9.267496	9.349305	9.017342	9.102367	8.585377	8.682263	8.729706	8.506836	8.546268	8.380679
WTIP	WTIP	7.949418	8.34061	8.014449	8.647388	8.63756	8.291861	8.12459	8.243952	8.338187	8.408887	8.113244	8.461986

WWC1	WWC1	8.753501	8.823214	7.86067	8.231818	7.876568	7.980229	7.778961	7.812399	7.759926	7.562883	7.739147	7.527679
WWC2	WWC2	7.660488	7.630946	7.235094	7.483682	7.53083	7.350276	7.256912	7.316702	7.253584	7.340114	7.02447	7.270433
WWC3	WWC3	8.684318	8.858068	8.405889	8.565591	8.502465	8.907589	8.418317	8.45523	8.405848	8.32098	8.475406	8.608692
WWOX	WWOX	6.982301	7.206742	6.97301	7.24283	7.123661	7.159315	6.969792	7.069791	7.06533	7.140604	6.897719	7.014686
WWP1	WWP1	9.69742	9.940852	10.4661	10.00344	9.811366	10.0795	9.666088	9.843381	9.701518	9.756792	9.410847	9.549915
WWP2	WWP2	7.556132	7.788947	7.613178	7.613634	7.477032	7.60678	7.409315	7.37012	7.503282	7.404204	7.233614	7.346389
WWTR1	WWTR1	6.952414	7.277494	7.060726	7.378549	7.36679	7.845865	7.420058	7.580563	7.579226	7.553393	7.591275	7.737094
XAB1	XAB1	10.87181	11.50694	11.04683	11.04511	10.69414	11.21427	10.48468	10.52567	10.56737	10.53584	10.50773	10.55227
XAB2	XAB2	9.103359	9.066159	8.600138	8.692678	8.736341	9.106423	8.323706	8.921501	8.437696	8.904771	9.256233	8.477322
XAF1	XAF1	6.884711	7.075738	6.851891	7.245644	7.006809	6.992533	6.829637	6.93963	6.910379	6.918659	6.794613	6.869488
XAGE1	XAGE1	6.85022	7.036293	6.780046	6.994758	6.866347	6.953302	6.883833	6.929142	6.849308	6.918006	6.81536	6.805175
XAGE2	XAGE2	6.852643	6.925963	6.8773	6.996345	6.815426	6.905914	6.681517	6.877743	6.829412	6.898665	6.690555	6.834217
XAGE3	XAGE3	6.832057	7.067231	6.773909	6.99396	6.89864	6.978413	6.918056	6.944382	6.857056	6.8728	6.798375	6.855493
XAGE-4	XAGE-4	6.948296	7.1875	6.811809	7.089195	6.95002	7.101126	6.915745	6.961487	6.93269	6.987052	6.792267	6.928078
XAGE5	XAGE5	6.845903	6.821021	6.657369	6.875023	6.902386	6.79239	6.759518	6.972783	6.718994	6.805606	6.650388	6.791744
XBP1	XBP1	11.31601	11.67462	11.36524	11.20419	11.18356	11.71761	11.26796	11.60262	11.40869	11.30507	11.58537	11.03201
XCL1	XCL1	6.865828	7.008504	6.765767	7.007569	6.862984	6.816284	6.840517	6.834547	6.819386	6.86633	6.786421	6.823056
XCL2	XCL2	6.893147	7.014755	6.809375	6.896624	6.864118	6.919934	6.821937	6.938185	6.818996	6.969159	6.7484	6.720068
XCR1	XCR1	6.935309	7.103257	6.854999	7.085906	6.935389	7.060056	6.862593	6.97485	6.892291	6.961319	6.73271	6.874267
XDH	XDH	6.914202	7.12307	6.821785	6.977064	6.826048	6.923806	6.776242	6.817267	6.911257	6.943213	6.842435	6.914854
XG	XG	6.745513	6.857742	6.741193	6.843616	6.826633	6.806989	6.75273	6.899668	6.710514	6.822264	6.694657	6.819812
XIST	XIST	9.692304	9.824735	9.436087	10.21037	10.10969	9.905674	9.653759	9.493904	10.00973	9.417323	9.121558	8.745639
XK	XK	6.930589	7.595134	6.847972	7.081533	7.118844	7.805828	7.421177	7.70763	7.362173	7.403034	7.169451	6.994443
XKR3	XKR3	6.781065	6.971209	6.715452	6.962759	6.764303	6.808629	6.783143	6.880776	6.757692	6.906819	6.668804	6.69411
XKR4	XKR4	7.004865	7.924284	7.027609	7.257366	7.097091	7.147668	6.99591	7.175093	7.535286	7.295396	7.037829	6.971939
XKR5	XKR5	6.822673	7.026586	6.860459	6.997971	6.922088	6.965918	6.7389	6.851061	6.715661	6.83635	6.679822	6.780787
XKR6	XKR6	7.285419	7.614925	7.15946	7.373496	7.28167	7.621848	7.376843	7.469385	7.415265	7.542018	7.299099	7.342193
XKR7	XKR7	6.843991	7.100605	6.788959	7.075552	6.963269	6.976446	6.880023	7.02095	6.867578	6.938646	6.740101	6.776416
XKR8	XKR8	8.00028	8.232148	7.845059	8.097832	7.860839	8.15385	7.911239	7.869071	7.819908	7.899049	7.715653	7.589568
XKR9	XKR9	6.891143	7.157253	6.898273	7.007497	6.875652	6.796767	6.799395	6.926106	6.895363	6.898548	6.910103	6.800525
XKRX	XKRX	7.138117	7.353939	7.177449	7.230108	7.024814	7.108174	6.816396	6.975527	6.980685	6.921204	6.868888	6.877051
XKRY	XKRY	6.827521	7.057474	6.789707	7.060336	6.870359	7.060017	6.828404	6.802487	6.840639	6.959198	6.725443	6.740057
XLF	XLF	7.070893	7.279546	6.788761	7.157378	6.934668	7.048297	6.980134	6.924021	6.940398	7.123285	6.727108	6.857112
XLKD1	XLKD1	6.839677	6.979326	6.763363	6.981907	6.903009	6.928597	6.858285	6.98464	6.882464	6.977481	6.741551	6.844514
XPA	XPA	6.956563	7.167125	6.890005	6.993996	7.12257	7.319693	7.208932	7.170753	7.231548	7.216007	6.95851	7.116624
XPC	XPC	9.879012	9.91371	9.571519	9.899768	9.932414	10.26323	9.46059	9.648585	9.420067	9.431747	9.564545	9.474478

XPNPEP1	XPNPEP1	10.65389	10.9997	10.55265	10.99592	11.39859	11.84996	11.26432	11.37771	11.37587	11.24663	11.13247	11.04601
XPNPEP2	XPNPEP2	7.138312	7.469981	7.217316	7.603264	7.348246	7.293566	7.152567	7.224438	7.1476	7.213041	7.005321	7.113026
XPNPEP3	XPNPEP3	11.45816	12.22843	11.4665	12.03443	12.15384	11.99775	12.30502	12.00499	11.96906	12.03479	11.84815	12.04877
XPO1	XPO1	11.91193	12.40297	11.7308	12.04786	11.50024	11.4271	10.6884	10.88153	10.61587	10.49804	10.43967	10.43018
XPO4	XPO4	10.06864	10.58468	10.17883	10.57025	10.54909	12.49216	12.44959	12.26399	11.56058	11.64533	10.65478	10.43795
XPO5	XPO5	9.686835	10.14036	9.255367	9.370087	8.957863	8.7603	8.600404	8.380438	8.30556	8.200942	8.124256	8.10324
XPO6	XPO6	9.570143	9.836135	8.822503	9.179202	8.837358	8.714748	8.365381	8.247949	8.42471	8.287551	8.52784	8.312981
XPO7	XPO7	9.815059	10.03383	9.482408	9.44875	9.100015	9.236897	8.777005	9.048338	8.884313	8.753009	8.641695	8.78391
XPOT	XPOT	9.952777	10.50613	9.635002	9.6013	9.246261	9.147366	8.518814	9.011083	8.900173	8.778405	9.212678	9.371248
XPR1	XPR1	10.54473	10.93917	10.17409	10.78875	10.62187	11.13594	10.30011	10.37191	10.0432	10.09032	10.42529	10.07777
XRCC1	XRCC1	8.568621	8.857413	8.416151	8.862753	8.797832	8.588856	8.407296	8.344598	8.248691	8.349596	7.978041	7.874137
XRCC2	XRCC2	8.437011	9.320358	8.726926	8.913361	9.284994	9.076402	9.226028	8.750046	8.912291	8.730216	8.534018	8.786965
XRCC3	XRCC3	7.926146	7.907508	7.55023	7.808807	7.59299	7.517084	7.353631	7.376645	7.37506	7.468788	7.235188	7.03605
XRCC4	XRCC4	6.924512	7.230571	7.035309	7.077155	6.962054	7.037244	6.97846	6.93921	7.030751	7.158551	7.081616	7.15445
XRCC5	XRCC5	10.47601	10.86467	10.38387	10.85987	10.11914	10.91263	10.0728	10.03029	10.06744	10.09267	9.614586	9.861914
XRCC6	XRCC6	11.78401	12.21531	11.87592	11.89583	11.40832	11.68788	11.16651	11.28836	11.18903	11.24377	11.02727	10.92298
XRCC6BP	XRCC6BP	8.228039	8.562843	8.052235	7.720049	8.043705	8.332463	7.990542	8.145529	8.092218	8.049932	7.815732	7.577926
XRN1	XRN1	7.869985	7.960661	7.8717	8.602159	8.856039	9.286335	8.778595	8.628426	8.733017	8.514435	8.187402	8.474098
XRN2	XRN2	9.692293	9.877617	9.695333	9.731696	9.148653	9.02077	8.709052	8.796283	8.665538	8.592584	8.675625	8.563861
XRRA1	XRRA1	6.90847	7.161518	6.848036	7.060457	6.94528	6.893772	6.959586	6.989244	7.023193	6.982322	6.9614	6.968452
XTP3TPA	XTP3TPA	10.93669	11.29211	10.29726	10.2608	10.22544	10.7216	10.04174	10.05418	9.986742	10.16462	10.10338	9.632149
XTP7	XTP7	6.918673	7.028313	6.909114	7.061665	6.893578	6.839949	6.885051	6.926963	6.883759	6.924782	6.762199	6.823712
XYLB	XYLB	6.920644	7.162718	6.888149	7.217504	6.952825	7.091453	6.873993	6.905762	6.985781	6.958258	6.826367	6.853231
XYLT1	XYLT1	6.894783	7.122959	6.919552	7.045833	6.938461	6.988507	6.906875	7.016892	6.891755	6.954983	6.873909	6.868961
XYLT2	XYLT2	9.954847	10.08386	9.074012	9.541713	9.82446	10.27484	10.07985	9.912161	10.02473	10.06693	9.941018	10.27749
YAF2	YAF2	7.782959	8.214351	7.91165	8.249327	8.189814	8.970273	8.645987	8.492236	8.449829	8.529782	8.039038	8.266687
YAP1	YAP1	10.40635	11.48942	11.4087	11.63896	11.66871	11.69066	11.23454	11.04207	11.11221	10.85295	10.6898	10.76204
YARS	YARS	12.33951	12.86401	11.64946	12.12476	11.94309	12.98323	12.6449	12.42707	12.42358	12.35972	11.97249	12.59133
YARS2	YARS2	10.51489	10.88044	10.22587	10.63107	10.21028	10.37834	9.566063	9.664946	9.754598	9.729871	9.877825	9.55789
YBX1	YBX1	12.84073	13.15679	12.39763	12.68327	12.28223	12.96397	12.55428	12.75416	12.73386	12.89046	12.79639	12.52586
YBX2	YBX2	9.255397	9.205571	8.408788	7.828124	7.959597	8.699637	8.28067	7.930711	7.812053	7.852125	7.097804	7.204566
YDD19	YDD19	6.912225	7.175807	6.720203	7.125766	6.94284	6.933339	6.937853	6.992335	7.042436	6.945561	6.826046	6.83814
YEATS2	YEATS2	9.737518	9.885077	9.138519	9.692701	9.757538	9.29676	8.912938	9.064737	9.114608	8.738025	9.02418	8.947888
YEATS4	YEATS4	9.776578	10.16366	9.8322	9.418695	9.129229	9.613934	9.246087	9.262412	9.326931	9.150912	9.106423	8.520095
YES1	YES1	10.50193	11.15485	10.38814	10.39127	10.06774	9.586504	9.165013	8.708883	9.228092	8.679869	8.849042	8.813718
YIF1A	YIF1A	10.03165	10.78309	9.793077	10.36222	10.48989	10.65971	10.45363	10.18045	10.75525	10.51561	10.29693	10.69237

YIF1B	YIF1B	8.85786	9.185339	8.581354	9.035508	8.942578	8.782664	8.674856	8.593624	8.7893	8.899649	9.097617	8.660018
YIPF1	YIPF1	9.734325	10.1313	9.916548	9.992026	9.5771	10.1886	9.674559	9.893838	9.792679	9.762632	9.750765	9.664572
YIPF2	YIPF2	7.415169	7.826142	7.549004	7.746357	7.697832	7.964986	7.846004	7.645415	7.905884	7.832468	7.798316	7.738144
YIPF3	YIPF3	10.08789	10.35561	10.01097	10.51826	10.56984	10.50518	10.665	10.44915	10.68836	10.57909	10.39972	10.62472
YIPF4	YIPF4	7.854749	8.592668	8.100797	8.526037	8.679874	9.66494	9.30947	9.421423	9.50069	9.589853	9.570827	9.442394
YIPF5	YIPF5	7.538274	7.891481	7.542612	8.351776	8.582526	8.713972	8.933564	8.361486	8.789671	8.587738	8.405059	8.875263
YIPF6	YIPF6	10.29635	10.54582	10.1434	10.33398	10.55766	11.31194	10.46558	10.66787	10.53351	10.4719	10.52585	10.36983
YIPF7	YIPF7	6.998944	6.96862	6.846384	7.128528	7.073218	7.152809	6.951284	7.121658	6.997148	7.02136	6.862906	6.849489
YKT6	YKT6	6.994849	7.202616	7.066661	7.228058	6.889443	7.144942	7.1106	7.0306	6.907861	6.950951	6.873679	6.9469
YME1L1	YME1L1	10.1983	10.54586	10.02651	10.21308	9.867623	10.47136	9.71003	10.26273	9.896207	10.0293	10.37877	10.11131
YOD1	YOD1	8.39904	8.540497	8.549002	8.378852	8.389436	8.541089	7.967637	8.108978	7.93443	7.75228	7.81012	7.638897
YPEL1	YPEL1	8.102541	7.695841	7.585843	8.093851	7.986468	8.125876	8.058671	8.262073	7.979104	8.252069	7.467838	7.680517
YPEL2	YPEL2	7.310905	7.464735	7.824094	8.38024	8.40481	9.894822	9.470521	9.711462	9.130978	9.351211	8.811336	8.623796
YPEL3	YPEL3	8.004449	8.36356	8.105268	8.328902	8.264429	8.4879	8.581307	8.688363	8.477044	8.913515	8.950597	8.840667
YPEL4	YPEL4	6.790351	6.992737	6.721264	6.955222	6.851592	7.074309	6.904633	6.993538	6.953564	7.058221	6.900597	7.000789
YPEL5	YPEL5	9.116779	9.757474	10.35277	10.71389	10.81134	11.83187	11.06976	11.3523	10.9597	10.91698	11.18544	10.62865
YRDC	YRDC	10.04925	10.53977	10.3813	10.29799	10.35591	10.39145	10.17994	9.885516	10.0592	10.0586	10.14411	10.20912
YSK4	YSK4	6.82696	7.028393	6.780642	7.001312	6.910177	6.921347	6.823417	6.905497	6.894964	6.86808	6.731972	6.755377
YTHDC1	YTHDC1	10.3279	10.91812	10.68703	10.4369	10.52812	10.67207	9.979215	10.00189	9.952439	9.726899	9.671685	9.616631
YTHDC2	YTHDC2	7.671323	7.880985	7.565053	8.053634	7.826188	7.955545	7.682799	7.767218	7.609646	7.477393	7.422339	7.331133
YTHDF1	YTHDF1	10.42987	10.55706	10.12138	10.54358	9.955853	10.05218	9.53157	9.604819	9.646384	9.658226	9.620265	9.693235
YTHDF2	YTHDF2	10.7571	11.04164	10.43293	10.72934	10.22044	10.52133	9.970219	9.907302	10.00208	9.77617	9.624479	9.656908
YTHDF3	YTHDF3	8.998238	9.293681	8.931676	9.566827	9.014453	9.456661	8.914975	8.944601	8.944901	8.954661	8.773913	9.35771
YWHAB	YWHAB	12.12406	12.62637	11.86227	11.65572	11.67195	12.18077	11.84906	11.79758	11.89133	11.78239	11.64709	11.379
YWHAE	YWHAE	8.327784	8.441378	8.044897	8.487515	8.2472	8.448908	8.254447	8.590453	8.127041	8.579844	8.600485	8.209438
YWHAG	YWHAG	11.05613	11.39936	10.47592	10.61197	10.57183	10.97376	10.79557	10.58973	10.88383	10.71241	10.42831	10.68823
YWHAH	YWHAH	13.46154	13.87675	13.09611	12.85405	12.63354	13.26743	12.81828	13.04695	12.94099	12.8516	13.14338	12.47974
YWHAQ	YWHAQ	14.0548	14.31696	13.78724	14.09057	13.73458	13.94935	13.64484	13.72862	13.78491	13.76524	13.64904	13.47004
YWHAZ	YWHAZ	12.29924	12.92825	12.77508	12.93401	12.45613	12.88041	12.29793	12.64083	12.41011	12.24187	12.42767	11.84394
YY1	YY1	10.55076	11.0137	10.34831	10.54196	10.30601	10.48476	10.25869	9.903585	10.27606	9.967985	9.614284	10.39447
YY1AP1	YY1AP1	8.991691	9.220455	8.816841	9.205899	9.084574	9.469493	9.122416	8.992229	9.017349	9.084005	8.490829	8.761865
YY2	YY2	6.81679	7.083463	6.885318	7.091377	6.904157	6.982826	6.926669	6.981113	6.891341	6.945146	6.885767	6.838979
ZA20D2	ZA20D2	12.55875	12.89253	12.10075	12.50065	12.38273	12.90552	12.40119	12.68669	12.43039	12.47394	12.51682	12.44587
ZADH1	ZADH1	7.593309	8.18932	7.690973	7.918979	8.035419	8.166331	8.20271	7.896528	8.072173	7.986857	7.629603	7.945406
ZADH2	ZADH2	7.21537	7.434928	7.473369	8.679354	9.213001	9.57965	9.489352	9.554882	9.437866	9.377883	8.553046	8.973464
ZAK	ZAK	7.772178	7.869998	7.550822	8.980668	9.548078	11.30857	11.07344	11.3576	10.99973	11.32254	11.11464	10.68927

ZAN	ZAN	6.923142	7.062113	6.80192	7.0408	6.908324	6.947332	6.942952	6.919181	6.864938	6.963029	6.732398	6.820061
ZAP70	ZAP70	6.969204	7.117905	6.966394	7.232339	7.035473	7.043759	6.954072	7.060531	7.022506	7.017195	6.843752	6.843783
ZAR1	ZAR1	6.903955	6.949728	6.871389	6.905772	6.88982	6.89009	6.820459	6.829501	6.855547	6.87742	6.744992	6.807222
ZBED1	ZBED1	10.04512	10.35156	9.61418	9.844462	9.555112	9.320427	8.909098	9.017335	8.890697	8.863482	9.03408	8.628308
ZBED2	ZBED2	6.742557	7.004417	6.743895	6.989665	6.902611	6.866823	6.764371	6.8524	6.816896	6.884062	6.763988	6.782908
ZBED3	ZBED3	6.961906	7.345495	6.924609	7.167859	7.088845	7.210626	7.087101	7.049453	7.058495	7.083145	6.923779	6.931982
ZBED4	ZBED4	8.750048	8.672869	8.691531	8.915823	8.690753	8.18556	7.870092	8.03461	8.080003	7.800128	8.041133	7.643538
ZBED5	ZBED5	10.39374	10.87892	10.58686	10.85044	10.76292	10.98067	10.72244	10.77404	10.88632	10.81991	10.19492	10.47436
ZBP1	ZBP1	7.895926	8.279573	8.202521	8.186556	8.036043	8.40284	8.216092	8.24235	8.247399	8.263492	8.235753	8.295339
ZBTB1	ZBTB1	6.860984	7.03562	6.860889	6.943604	6.883041	7.089485	6.980034	6.884078	6.944692	6.943657	6.76377	6.765663
ZBTB10	ZBTB10	6.866084	7.14533	7.147779	7.23783	7.056008	7.252232	6.950292	7.098457	7.013312	7.113052	6.898649	6.989995
ZBTB11	ZBTB11	7.507	7.843477	7.167653	7.769017	7.583149	7.44672	7.577325	7.139535	7.401094	7.311116	7.130469	7.590743
ZBTB12	ZBTB12	6.920479	7.076843	6.778712	6.978457	6.949124	6.917885	6.836102	6.961488	6.835253	6.872641	6.739151	6.872851
ZBTB16	ZBTB16	6.889402	7.062507	6.993964	7.551929	7.11015	7.0026	6.886052	6.986589	6.912329	6.922344	6.780651	6.880063
ZBTB17	ZBTB17	7.839705	8.201057	7.997185	8.221794	8.275907	8.579226	8.09449	8.30503	8.393335	8.224578	8.144308	7.938048
ZBTB2	ZBTB2	7.551022	8.163657	7.668175	7.75428	7.428068	7.499962	7.168327	7.194705	7.210077	7.193374	6.93631	7.159575
ZBTB20	ZBTB20	6.930617	7.304683	7.021534	7.711085	8.207046	8.449103	8.545814	8.575105	8.498791	8.426471	8.079241	8.518112
ZBTB24	ZBTB24	9.614835	10.08031	8.99647	8.837481	8.78846	8.420132	8.014564	7.95417	8.060898	7.958167	7.67715	7.742027
ZBTB25	ZBTB25	7.716742	7.862655	7.501342	7.618917	7.474757	7.459009	7.300062	7.399932	7.432877	7.401133	7.234789	7.27085
ZBTB26	ZBTB26	7.136437	7.258006	7.208497	7.2529	7.062318	7.110896	7.046062	7.07657	6.988897	7.138844	6.871871	6.939685
ZBTB3	ZBTB3	8.817153	9.207442	7.754396	7.813685	7.76314	8.005245	7.829978	7.676004	7.911605	7.764927	7.348102	7.593909
ZBTB32	ZBTB32	7.029854	7.212421	6.805471	7.151696	7.082137	7.112582	6.916755	7.048546	6.951714	7.084152	6.901042	6.847235
ZBTB33	ZBTB33	10.2606	10.58623	10.9221	11.01044	10.72139	10.66737	9.820222	9.896808	9.90424	9.404696	9.5741	9.412991
ZBTB34	ZBTB34	8.107747	8.220683	7.992346	8.570916	8.314861	8.273649	7.876647	8.01232	7.87105	7.834871	7.752621	7.790397
ZBTB37	ZBTB37	6.870981	7.059202	6.809478	6.950162	6.985385	6.907874	6.835032	6.845168	6.816757	6.814848	6.747941	6.746877
ZBTB38	ZBTB38	6.955518	7.151163	6.966273	7.243462	7.073889	7.16612	6.941556	7.171541	7.137938	7.081588	7.204007	7.247193
ZBTB39	ZBTB39	7.828549	8.020355	7.578027	7.87694	7.532929	7.660659	7.407023	7.424319	7.284031	7.397248	7.242973	7.11492
ZBTB4	ZBTB4	8.545328	9.05112	8.35245	9.036403	9.475282	9.98967	10.02187	10.07088	9.932169	9.911865	9.93743	9.767744
ZBTB40	ZBTB40	8.724553	9.182887	8.607739	9.136502	8.775486	9.175003	8.669334	8.528952	8.621032	8.419593	7.94724	8.695922
ZBTB41	ZBTB41	7.059559	7.101839	7.019924	7.194922	7.247759	7.365248	7.23671	7.452527	7.446471	7.311317	7.263668	7.398325
ZBTB44	ZBTB44	8.69427	8.471236	7.916299	8.047913	7.774423	7.940589	7.719922	7.494243	7.659577	7.671386	7.239111	7.721831
ZBTB5	ZBTB5	8.272202	8.18632	8.174791	8.294062	8.417066	8.748053	8.473586	8.578065	8.403737	8.314468	8.043968	8.103645
ZBTB7A	ZBTB7A	6.973343	7.121367	6.859068	7.165956	6.910833	6.93071	6.878602	7.041382	6.956985	7.078022	6.789401	6.882404
ZBTB7B	ZBTB7B	6.933942	7.273912	6.955005	7.074587	7.012899	7.040512	7.030619	7.02452	7.025744	7.156515	6.95114	7.023226
ZBTB8	ZBTB8	8.064337	8.556653	8.102067	8.330115	7.980625	8.010657	7.865751	7.626837	7.906107	7.570754	7.196163	7.564405
ZBTB8OS	ZBTB8OS	7.641826	8.320186	7.844885	7.876146	7.769309	8.182274	7.851297	7.708381	7.881519	7.841421	7.576678	7.430501

ZBTB9	ZBTB9	9.553452	10.04551	9.309038	9.318366	8.880214	9.010185	8.420625	8.434921	8.258484	8.203484	8.385633	8.242216
ZC3H10	ZC3H10	7.97236	8.366364	7.639572	7.847508	7.863448	7.967612	7.754467	7.883339	7.82594	7.965767	7.765185	7.914528
ZC3H11A	ZC3H11A	6.828703	7.140092	6.89405	7.095931	6.897462	6.980185	6.86692	7.077119	6.949832	7.024142	6.805567	7.052608
ZC3H12A	ZC3H12A	7.504496	7.699162	7.177303	7.39473	7.243238	7.316353	7.072151	7.189496	7.132123	7.329254	7.487517	7.152196
ZC3H12B	ZC3H12B	7.341547	7.455844	7.568108	8.238329	8.086574	7.855126	7.705013	7.571529	7.504611	7.477962	7.261436	7.272754
ZC3H14	ZC3H14	9.067094	9.554324	9.136016	9.545246	9.300497	10.2817	9.41796	9.531956	9.276216	9.125066	8.931411	8.785392
ZC3H15	ZC3H15	10.3058	10.68473	9.99508	10.23576	9.894184	10.63887	10.07927	9.992994	10.32967	10.13995	9.79783	10.01426
ZC3H3	ZC3H3	10.03658	10.22698	9.481178	9.958447	9.891898	10.09388	9.594896	9.508746	9.559539	9.629578	9.28664	9.596169
ZC3H5	ZC3H5	9.243148	9.695434	9.229212	9.625724	9.70071	9.123475	9.085647	8.991075	8.977498	8.914218	8.472422	8.760053
ZC3H6	ZC3H6	7.305909	7.547337	7.347193	7.632022	7.520991	7.782505	7.448754	7.46579	7.448891	7.566446	7.298583	7.367033
ZC3H7A	ZC3H7A	8.945042	9.297326	9.176113	9.636232	9.422492	9.783973	9.191425	9.337573	9.207841	9.018903	9.151321	9.139423
ZC3H7B	ZC3H7B	7.117299	7.246852	6.889026	7.1744	7.12364	7.130737	7.075837	7.068154	7.044752	7.142831	6.942943	7.029231
ZC3H8	ZC3H8	7.59094	7.969266	7.472789	7.726635	7.684783	8.051199	7.658917	7.66165	7.806414	7.698959	7.504551	7.685327
ZC3HAV1	ZC3HAV1	9.580239	9.870884	9.201837	9.07373	9.070705	8.301269	8.126975	8.099721	7.967557	7.834709	7.979293	8.113456
ZC3HAV1L	ZC3HAV1L	7.062103	7.239579	6.907043	7.175105	7.099361	7.101864	6.958803	7.104308	7.022677	6.953431	6.866205	6.997581
ZC3HC1	ZC3HC1	11.70468	12.00401	11.41413	11.63639	11.33616	11.78158	11.15435	10.91006	10.98189	10.96478	10.505	10.72579
ZCCHC10	ZCCHC10	6.909076	7.203806	6.817364	7.154745	7.030788	7.135892	7.004145	7.037951	6.933759	6.982832	6.944	7.001116
ZCCHC11	ZCCHC11	8.578457	8.999909	8.632624	9.361362	9.106562	8.902831	8.667615	8.666094	8.561967	8.415064	8.271323	8.280193
ZCCHC12	ZCCHC12	7.389548	7.883313	9.313039	8.005572	8.105676	8.80252	8.550914	8.418432	9.083626	8.234077	7.875407	7.246497
ZCCHC13	ZCCHC13	6.887161	7.039178	6.724933	6.989111	6.863811	6.865576	6.829031	6.859396	6.806716	6.825822	6.758836	6.858273
ZCCHC14	ZCCHC14	9.426776	9.122949	8.774614	9.39462	9.152585	9.308546	8.690834	8.561176	8.705474	8.397754	8.298175	8.610332
ZCCHC16	ZCCHC16	7.039271	7.223154	6.902552	7.298876	7.096627	7.133231	6.956724	6.985067	6.956558	7.066091	6.869886	6.910744
ZCCHC17	ZCCHC17	10.47132	10.96221	10.53136	10.34748	9.94844	10.32524	10.08977	10.23632	10.15388	9.920168	9.763901	9.581001
ZCCHC2	ZCCHC2	6.997187	7.200105	6.93653	7.074234	7.080067	7.037034	6.880404	6.923304	6.991396	6.955416	6.842507	6.91399
ZCCHC3	ZCCHC3	8.917067	8.96413	8.719676	9.045355	8.896116	9.048385	8.652171	8.574883	8.464581	8.652688	8.416689	8.346417
ZCCHC4	ZCCHC4	7.051648	7.303215	6.942818	7.265958	7.189452	7.308826	7.074544	7.172853	7.083284	7.187572	6.95414	7.146697
ZCCHC5	ZCCHC5	6.920384	7.00605	6.726101	6.980724	6.890383	6.891266	6.844044	6.809384	6.761939	6.862117	6.759438	6.811269
ZCCHC6	ZCCHC6	7.32635	7.603737	7.190092	7.560944	7.324726	7.595998	7.337919	7.288049	7.110687	7.310598	7.206375	7.499898
ZCCHC7	ZCCHC7	10.25669	10.60641	9.775062	9.873432	10.12387	10.40117	9.651769	9.46195	9.664347	9.131171	9.023098	8.960248
ZCCHC8	ZCCHC8	8.518437	9.098654	8.270658	8.932821	8.452595	8.950199	8.309531	8.707926	8.389693	8.336188	8.429659	8.058394
ZCCHC9	ZCCHC9	10.38742	10.91571	10.57638	10.49124	10.30628	10.27512	9.91063	10.11412	10.11877	9.868721	10.03442	9.684961
ZCD1	ZCD1	11.34457	12.03747	11.09795	11.05211	11.70006	13.44104	12.9615	12.99304	13.10226	13.17279	13.07407	12.65315
ZCRB1	ZCRB1	7.297639	7.425836	7.377879	7.496205	7.525131	7.825617	7.774956	7.810032	7.864742	7.89373	7.606184	7.373314
ZCSL2	ZCSL2	9.418261	10.08287	9.570077	9.255892	8.911093	9.359061	8.978128	8.981963	8.996628	8.985545	9.525968	8.997157
ZCSL3	ZCSL3	8.347589	8.220019	8.207536	8.302419	8.367086	9.073732	8.621787	9.02975	8.831202	8.832352	8.911037	8.521122
ZCWPW1	ZCWPW1	7.219507	7.718622	7.231232	7.469023	7.86214	9.213364	8.706437	8.571794	8.573378	8.533819	7.663759	8.253184

ZCWPW2	ZCWPW2	6.860959	7.109856	6.955177	7.119553	7.085026	7.389977	7.213959	7.317711	7.349254	7.154014	7.116255	7.295925
ZD52F10	ZD52F10	10.48516	10.61068	9.621452	9.02152	8.673074	9.058	8.632142	8.584469	8.54288	8.421791	8.006695	8.047468
ZDHHC1	ZDHHC1	7.349431	7.234361	7.161362	7.514546	7.704882	7.527262	7.50257	7.551378	7.730423	7.585321	7.328421	7.731053
ZDHHC11	ZDHHC11	7.943854	8.33307	7.642046	8.061803	7.891463	8.347354	8.167056	7.897388	7.96925	7.866791	7.288681	7.41457
ZDHHC12	ZDHHC12	8.02596	8.414747	8.02652	7.93315	7.807531	7.879017	7.796015	8.006006	7.64515	7.905191	8.145239	7.822082
ZDHHC13	ZDHHC13	8.445814	8.627167	8.524199	8.537739	8.191518	8.864943	8.202375	8.212666	8.407816	8.333845	8.058202	8.566407
ZDHHC14	ZDHHC14	7.760364	8.195432	7.541682	7.70909	7.749754	8.058286	7.860753	7.69288	7.798146	7.815245	7.980718	8.161326
ZDHHC15	ZDHHC15	7.333615	8.017171	7.638107	7.723512	7.50275	7.706111	7.247241	7.432155	7.188502	7.227193	6.915304	7.049579
ZDHHC16	ZDHHC16	10.42564	11.11759	10.40631	10.62286	10.41002	10.75593	10.45132	10.48784	10.48572	10.58929	10.15256	10.32646
ZDHHC17	ZDHHC17	9.185044	9.468286	9.325062	9.700017	9.677026	9.784683	9.103351	9.184631	9.260721	8.932736	8.857231	8.705699
ZDHHC18	ZDHHC18	8.018244	8.204911	8.056566	8.365087	7.797786	7.657242	7.440956	7.46459	7.489604	7.456122	7.588689	7.357869
ZDHHC19	ZDHHC19	8.150031	7.790309	7.018785	7.025609	7.027577	7.123131	6.865561	6.961474	6.948875	6.935161	6.696639	6.854635
ZDHHC2	ZDHHC2	7.400905	7.614541	7.442499	7.536656	7.456343	7.763592	7.720741	7.671459	7.846264	7.928104	7.607794	7.876654
ZDHHC20	ZDHHC20	7.241653	7.462268	7.269031	7.377529	7.311721	7.336051	7.150807	7.263067	7.155866	7.248883	7.01528	7.041216
ZDHHC21	ZDHHC21	6.847702	7.347423	6.913121	7.263879	7.130112	7.467995	7.22682	7.199935	7.171726	7.219371	7.085424	7.016325
ZDHHC22	ZDHHC22	8.269445	8.107371	6.973692	7.232218	7.157134	7.091755	6.872741	6.986768	7.153769	6.973702	6.906019	6.982437
ZDHHC23	ZDHHC23	7.870446	8.116158	7.426877	7.520582	7.356644	7.936827	7.30567	7.213286	7.105386	7.201683	6.944919	7.077391
ZDHHC24	ZDHHC24	7.098374	7.495175	7.10903	7.316519	7.291963	7.494006	7.43808	7.380031	7.337326	7.5038	7.567062	7.263569
ZDHHC3	ZDHHC3	7.991026	8.485106	8.023892	8.259316	8.37147	8.730064	8.287427	8.546936	8.254798	8.217421	8.396681	8.156606
ZDHHC4	ZDHHC4	6.841205	7.167172	6.834297	7.088458	6.902318	6.991672	6.85101	6.922791	6.937146	6.975332	6.74527	6.92626
ZDHHC5	ZDHHC5	8.983179	9.430646	8.949426	9.213657	8.999248	9.466338	8.852358	8.872631	8.846854	8.986477	8.699072	8.85888
ZDHHC6	ZDHHC6	9.931718	10.62344	10.26597	10.33073	10.12846	10.01009	9.807105	9.643234	9.78052	9.476352	9.352776	9.617
ZDHHC7	ZDHHC7	10.36736	10.65607	10.23553	10.55617	10.61624	10.96909	10.49663	10.52295	10.21284	10.38398	10.25814	10.09594
ZDHHC8	ZDHHC8	11.74517	11.4677	10.84294	11.62711	11.47864	11.70108	11.44461	11.35718	11.63037	11.31585	10.98645	11.11723
ZDHHC9	ZDHHC9	9.370329	9.676868	9.117215	9.340749	9.300733	8.915152	8.801391	8.695533	9.146825	8.648824	8.840601	8.534086
ZF	ZF	8.236015	8.267342	8.082885	8.192446	8.01406	8.111809	7.745269	7.74273	7.739239	7.735985	7.534671	7.545014
ZFAND1	ZFAND1	9.129876	9.467722	9.260282	9.096907	9.100479	9.233773	8.830591	8.953677	9.165372	8.973055	8.873174	8.779746
ZFAND2A	ZFAND2A	8.445425	8.941273	8.496518	9.108867	8.795114	9.234324	8.813823	8.519267	9.149447	8.927442	8.812519	8.916921
ZFAND2B	ZFAND2B	7.997746	8.251503	8.223163	8.554784	8.658783	9.048099	8.830733	8.72569	8.745268	8.729389	8.597125	8.558519
ZFAND3	ZFAND3	8.005883	8.320038	8.162394	8.756514	8.481688	8.754941	8.25157	8.61909	8.357841	8.493899	8.795308	8.396428
ZFAND6	ZFAND6	9.841186	9.93465	9.312415	9.177239	9.420405	10.74253	10.05933	10.16185	10.10761	9.900637	9.966218	9.561465
ZFHX1B	ZFHX1B	6.878493	7.207533	8.12805	8.66388	8.609401	8.491976	8.100472	8.067299	8.413961	7.955228	8.233375	7.938111
ZFHX2	ZFHX2	7.666907	7.930697	7.063318	7.270841	7.225681	7.154637	6.969286	7.057645	7.154005	7.127088	6.976633	6.862849
ZFHX4	ZFHX4	6.98088	6.958635	6.816499	7.413511	8.483872	7.388186	7.112088	7.322399	7.789606	7.236644	7.376335	7.290463
ZFP1	ZFP1	7.168624	7.583909	7.412424	7.523884	7.60813	7.533472	7.436374	7.398784	7.671543	7.475885	7.194718	7.378886
ZFP106	ZFP106	9.910228	9.758564	9.379003	9.952025	9.759473	10.05443	9.65281	10.03545	9.906412	10.20139	9.94576	10.08281

ZFP161	ZFP161	9.052616	9.338457	8.928019	8.890448	8.780044	8.735498	8.397406	8.399664	8.353449	8.189473	8.000509	8.254446
ZFP2	ZFP2	7.407187	7.599163	7.498674	7.868768	7.731075	7.772749	7.459726	7.448107	7.39544	7.374967	7.038416	7.445962
ZFP260	ZFP260	9.332237	9.605592	9.359208	9.393562	9.096248	9.177005	8.446418	8.493181	8.579162	8.286026	8.114106	7.976272
ZFP28	ZFP28	6.98141	7.093513	6.989273	7.199165	7.125705	7.319097	7.052247	7.043592	7.067828	7.061756	6.98785	6.942713
ZFP3	ZFP3	7.007663	7.298271	6.963114	7.132106	7.028467	7.092823	7.090201	6.936016	6.93319	7.068197	7.014356	6.98442
ZFP36	ZFP36	8.561995	8.945308	8.33798	8.363426	8.473323	9.665417	8.842162	9.094273	9.119803	9.351966	9.644154	9.024928
ZFP36L1	ZFP36L1	10.81997	10.95273	9.82747	10.64558	11.13072	11.23672	11.50377	10.78393	11.37877	10.64881	10.12867	10.73223
ZFP36L2	ZFP36L2	8.377556	9.201653	8.326513	8.17292	7.929235	8.274951	7.695455	7.776739	7.798683	7.878283	7.851562	7.962863
ZFP37	ZFP37	8.243633	8.562291	8.376828	8.374753	8.374844	8.012277	7.810634	7.965854	8.158804	7.779775	7.464324	7.692717
ZFP41	ZFP41	6.940122	7.058837	6.83375	7.077008	6.98511	7.028853	6.92172	6.956532	6.949254	6.925705	6.777036	6.885688
ZFP42	ZFP42	10.97975	11.87263	10.30922	9.206885	7.472685	7.208195	7.155789	7.059268	6.90112	6.929599	6.86243	6.87186
ZFP64	ZFP64	7.392431	7.764621	7.454921	7.413607	7.193656	7.291417	7.132182	7.203807	7.12582	7.223029	7.271406	7.181891
ZFP90	ZFP90	9.486675	9.8046	9.543643	10.1636	10.20828	10.09181	9.756115	9.533458	9.808449	9.368677	9.102054	9.009858
ZFP91	ZFP91	10.00986	10.27512	10.19433	10.57823	10.42704	10.82221	10.43823	10.4075	10.48257	10.40911	10.10176	10.46978
ZFP95	ZFP95	7.219157	7.362834	7.119304	7.355441	7.186225	7.225006	7.072708	7.188214	7.070087	7.089672	6.991909	6.996449
ZFPL	ZFPL	7.299551	7.248356	7.087797	7.281975	7.130775	7.169193	7.089311	7.083354	7.07882	7.006537	6.906064	7.049237
ZFPL1	ZFPL1	7.456966	7.830997	7.525364	7.839625	7.748333	7.916002	7.648766	7.65337	7.711298	7.810003	7.840958	7.586785
ZFPM1	ZFPM1	8.066352	8.175156	7.991025	8.14878	8.525353	8.429545	8.34148	8.805606	8.242878	8.606886	9.03664	8.018516
ZFPM2	ZFPM2	6.881383	7.07564	6.899517	8.367108	8.460868	8.277848	7.749999	7.982163	7.766363	7.990622	7.812414	7.703171
ZFR	ZFR	10.05361	10.3933	10.47026	10.75397	10.20066	11.15248	10.52774	10.50215	10.48569	10.38391	9.876425	10.43512
ZFX	ZFX	7.659143	7.971046	8.00636	8.368624	8.196262	8.754148	8.104658	8.25651	8.16046	8.013687	8.003364	8.045702
ZFY	ZFY	6.866453	7.03139	6.796081	7.042346	6.909157	6.940965	6.793231	6.951336	6.830848	6.908421	6.790278	6.820556
ZFYVE1	ZFYVE1	7.086316	7.46222	7.074112	7.419937	7.190222	7.452154	7.184559	7.269213	7.365146	7.301987	7.126621	7.150369
ZFYVE16	ZFYVE16	7.484535	7.806847	7.676521	8.526023	8.362986	8.89623	8.609568	8.588766	8.300602	8.427934	7.916986	8.084453
ZFYVE19	ZFYVE19	7.950106	8.098339	7.753133	8.031658	8.158165	8.778112	8.473686	8.648787	8.419834	8.596927	8.536213	8.427408
ZFYVE20	ZFYVE20	10.358	10.41208	10.01357	10.37628	10.54922	10.56747	10.22619	10.17854	10.36016	10.05493	9.710604	9.987893
ZFYVE21	ZFYVE21	10.03116	10.16767	9.158614	9.177398	9.564057	10.91193	10.29684	10.45669	10.13419	10.24907	10.32617	10.47382
ZFYVE26	ZFYVE26	9.459106	9.872128	9.085737	9.412454	9.24725	9.537621	9.208205	9.291386	9.150977	8.987514	8.913309	9.124414
ZFYVE27	ZFYVE27	7.214635	7.536687	7.211727	7.459673	7.354802	7.698156	7.401348	7.456596	7.320547	7.348681	7.205398	7.19575
ZFYVE28	ZFYVE28	6.839623	7.025738	6.669541	6.969098	6.895027	6.921549	6.707579	6.768028	6.878761	6.884866	6.772535	6.833716
ZFYVE9	ZFYVE9	6.982647	7.126004	6.957909	7.118553	6.952781	7.063237	6.911294	6.957278	6.981476	6.927238	6.867131	6.979689
ZG16	ZG16	6.702818	6.960668	6.824613	6.929151	6.964874	6.887246	6.84492	6.873718	6.824959	6.962408	6.767591	6.859347
ZGPAT	ZGPAT	7.622717	7.915001	7.434817	7.823493	7.641448	7.698323	7.429488	7.557057	7.475779	7.575911	7.421542	7.488042
ZHX1	ZHX1	6.936717	7.182695	7.006332	7.51547	7.438929	7.601444	7.410043	7.366727	7.429675	7.392983	7.33548	7.350313
ZHX2	ZHX2	8.560432	8.529278	8.017655	8.285755	8.042526	8.773226	8.565714	8.59806	8.410947	8.608073	8.180832	8.659418
ZHX3	ZHX3	7.382044	7.625632	7.299011	7.528011	7.412767	7.535525	7.614307	7.55462	7.661656	7.596813	7.537866	7.442726

ZIC1	ZIC1	6.933385	7.00451	6.711502	7.005926	6.960655	6.965618	6.85604	6.88786	7.020031	6.937247	6.831563	6.862133
ZIC2	ZIC2	12.82809	12.09186	11.50731	8.40295	7.657241	7.094619	6.777852	6.983963	9.254244	7.058728	6.940633	7.010801
ZIC3	ZIC3	11.4208	11.94985	11.63481	8.636587	7.417708	7.236008	7.009055	6.980354	7.876441	6.91458	6.738867	6.87206
ZIC4	ZIC4	6.873896	6.982007	6.839421	7.026074	6.947494	7.079377	6.856208	6.922315	7.453174	6.895494	6.710323	6.85379
ZIC5	ZIC5	7.422631	7.49684	6.988498	7.05091	7.104006	7.077371	7.020262	7.149716	7.05333	7.041215	6.92324	6.931216
ZIK1	ZIK1	9.002193	9.424244	8.820144	8.489994	7.68122	8.114788	7.567721	7.781901	7.589985	7.646748	7.478981	7.72118
ZIM2	ZIM2	6.849821	6.978355	6.676173	7.000004	6.900387	6.908351	6.92017	6.961833	6.910079	6.946952	6.620077	6.845284
ZIM3	ZIM3	6.780069	7.144493	6.869476	6.950347	7.0784	7.104248	6.881181	6.979009	6.976451	7.033291	6.796119	6.873572
ZKSCAN1	ZKSCAN1	7.09263	7.200942	6.989987	7.343689	7.288777	7.254589	7.220676	7.230401	7.192789	7.012494	6.964909	7.057256
ZMAT1	ZMAT1	6.882704	7.048492	6.852012	7.078061	7.038006	7.248546	7.024239	7.099315	7.022803	7.062479	6.830203	6.863722
ZMAT2	ZMAT2	10.21898	10.76538	10.40817	10.35846	10.12547	10.29077	9.618887	9.53595	9.801082	9.479393	9.410758	9.05634
ZMAT3	ZMAT3	10.17747	10.66563	10.02378	10.54791	10.88614	11.50238	11.18787	11.12212	10.8536	10.93463	11.05735	11.2146
ZMAT5	ZMAT5	7.597328	7.83766	7.684569	7.812655	7.931425	9.274484	8.606	8.790739	8.6243	8.790175	8.82703	8.369915
ZMIZ2	ZMIZ2	7.412721	7.707181	7.284083	7.609831	7.539328	7.57398	7.50293	7.405755	7.475689	7.352548	7.213169	7.195266
ZMPSTE24	ZMPSTE24	11.43136	12.06091	11.70576	11.84377	11.16696	11.16679	10.81918	10.82973	11.05233	10.82074	11.24347	11.02462
ZMYM1	ZMYM1	9.660748	10.01037	9.574187	9.768053	9.242653	9.300749	8.702553	8.597496	8.520238	8.379852	8.11869	8.197016
ZMYM2	ZMYM2	7.663321	7.984347	7.662861	7.988484	7.589967	7.76592	7.501165	7.688983	7.522695	7.568939	7.444968	7.515898
ZMYM3	ZMYM3	8.057101	8.233076	7.50979	8.130908	7.901262	7.947586	7.669199	7.61995	7.566123	7.492388	7.166237	7.228434
ZMYM4	ZMYM4	9.531631	10.01918	9.735938	9.751612	9.684334	9.757158	9.081554	9.0457	9.041994	8.744954	8.707155	8.519392
ZMYM5	ZMYM5	7.702847	8.213226	7.860256	7.816694	7.909728	8.235094	7.771237	7.741779	7.747538	7.667249	7.537913	7.583978
ZMYM6	ZMYM6	8.328181	9.096718	8.991071	8.656168	8.509687	8.7158	8.202805	8.264924	8.405018	8.161246	8.354789	7.91032
ZMYND10	ZMYND10	6.957153	7.045301	6.903391	7.084512	6.883701	7.022012	6.880163	6.930268	6.917678	6.985944	6.860137	6.989774
ZMYND11	ZMYND11	9.235392	9.784731	9.69484	10.17519	10.52258	11.36089	10.73636	10.78452	10.71878	10.51029	10.2423	10.70954
ZMYND12	ZMYND12	6.93169	7.135781	6.863429	7.143574	7.087669	7.133442	7.040881	7.108101	7.206871	7.200397	7.105132	7.05112
ZMYND15	ZMYND15	7.097853	7.522277	6.914504	6.915404	6.837474	6.897812	6.790449	6.920555	6.824212	6.900638	6.803294	6.822492
ZMYND17	ZMYND17	6.878791	7.285149	6.942347	7.095338	7.261582	7.45898	7.39611	7.244564	7.170625	7.303014	6.957877	7.214294
ZMYND19	ZMYND19	9.536214	9.637471	9.034561	9.181287	9.110218	8.983156	8.626068	8.684451	8.738997	8.760729	8.737385	8.556504
ZMYND8	ZMYND8	9.540106	9.906196	8.859998	9.13627	8.865515	8.434677	8.306125	8.332059	8.399429	8.029729	8.03168	8.134867
ZNF10	ZNF10	8.301734	8.515114	8.309904	8.656007	8.463359	8.703712	8.139308	8.105804	8.195819	7.931092	7.48281	7.62736
ZNF100	ZNF100	6.868666	7.109194	6.854199	7.039931	7.007708	7.086504	6.944884	6.958998	6.898781	6.921195	6.826467	6.882441
ZNF101	ZNF101	8.03949	8.044499	7.823849	7.514309	7.205671	7.326079	7.145763	7.067229	7.039659	7.086688	6.788968	7.079362
ZNF114	ZNF114	7.514609	7.890813	7.301355	7.275145	7.058185	7.234917	7.008792	7.053197	7.024665	7.036745	6.782142	6.909837
ZNF117	ZNF117	6.76407	6.992752	6.797497	6.904696	6.863697	6.96456	6.799991	6.845309	6.901661	6.899211	6.682024	6.792919
ZNF11B	ZNF11B	9.254914	9.635748	9.371665	9.549779	9.490582	9.295297	8.954245	8.9735	8.90081	8.580695	7.986001	8.569531
ZNF12	ZNF12	7.819815	8.273526	8.030974	8.55575	8.411716	8.704387	8.207149	8.043075	8.185588	7.935507	7.550306	8.037731
ZNF121	ZNF121	10.04334	10.00823	9.34929	8.658116	8.223016	8.137261	7.785825	7.823491	7.908479	7.61786	6.941247	7.247305

ZNF124	ZNF124	7.530353	7.938493	7.901915	8.433789	8.043533	7.5728	7.260521	7.100772	7.208317	7.043368	6.875539	7.11197
ZNF131	ZNF131	7.154893	7.151102	7.156849	7.326138	7.099915	7.156701	7.031881	6.950806	7.075644	7.197451	6.85087	7.075937
ZNF132	ZNF132	7.024172	7.226707	6.900448	7.113851	7.126797	7.172309	7.16595	7.186009	7.11444	7.1741	6.969809	7.045175
ZNF133	ZNF133	8.248654	8.663049	8.187794	8.611162	8.427688	8.428677	8.218997	8.267046	8.372609	8.072545	7.813952	7.908098
ZNF134	ZNF134	8.838998	9.156214	8.633195	8.649705	8.370645	8.587856	8.064696	8.142298	7.900916	7.999513	7.806687	7.899126
ZNF135	ZNF135	8.187653	9.05756	8.441921	8.383568	8.293639	7.966321	7.881557	7.6968	7.802847	7.682326	7.29327	7.483854
ZNF136	ZNF136	7.15537	7.398651	7.18225	7.536399	7.291673	7.264789	7.071923	7.165132	7.18189	7.172686	6.988202	7.063983
ZNF137	ZNF137	7.300299	7.571945	7.810315	7.733982	7.616634	7.525684	7.507644	7.383833	7.290431	7.374064	7.027129	7.048922
ZNF138	ZNF138	7.036419	7.300216	7.112717	7.311979	7.088112	7.254578	7.00494	7.138798	7.162448	7.131731	6.97197	7.04221
ZNF14	ZNF14	10.10564	11.10491	10.35963	10.86823	11.02621	10.67843	10.98443	10.39521	10.70704	10.50375	10.23162	10.55417
ZNF140	ZNF140	7.568453	8.278073	7.900823	8.171168	7.908556	7.834847	7.522101	7.442178	7.726323	7.561638	7.242344	7.45668
ZNF141	ZNF141	6.932362	7.084928	6.802405	7.060392	6.926812	6.971027	6.822929	6.913701	6.878003	6.915215	6.826223	6.810418
ZNF142	ZNF142	8.82377	9.165945	8.217019	8.654002	8.190627	8.012554	8.039195	7.825897	7.982394	7.789731	7.761392	7.989259
ZNF143	ZNF143	9.242446	9.123031	8.977595	8.84589	8.566493	9.089595	8.438762	8.614444	8.588406	8.616279	8.483172	8.604195
ZNF146	ZNF146	10.24756	10.63284	10.11815	9.837416	9.835452	9.728952	9.32957	9.075891	9.582619	8.975352	8.792509	8.813555
ZNF148	ZNF148	9.502882	9.682352	10.03502	10.60988	10.48279	11.10901	10.45632	10.44044	10.32942	10.17469	9.720733	10.35994
ZNF154	ZNF154	7.725579	8.186706	7.729193	8.120303	7.92217	8.531281	8.310152	8.292706	8.263495	8.076064	7.772479	7.885934
ZNF155	ZNF155	7.110306	7.567492	7.136187	7.375234	7.321149	7.43108	7.255946	7.178855	7.267761	7.246177	7.063195	7.062529
ZNF157	ZNF157	6.890293	7.150383	6.810898	7.043617	7.087483	7.011953	6.855049	7.020206	6.978118	6.986158	6.881137	6.835349
ZNF16	ZNF16	7.840499	8.202266	7.927842	7.921863	7.906342	8.159928	7.68596	7.735193	7.777388	7.788563	7.556825	7.55633
ZNF160	ZNF160	7.796349	8.089425	7.912775	8.391657	8.505034	8.519281	8.242147	7.937739	8.079303	7.994191	7.610171	7.931836
ZNF161	ZNF161	10.84997	11.17471	11.01347	11.52827	11.58283	11.54689	11.11545	11.05115	11.31107	11.02053	10.49534	11.08978
ZNF165	ZNF165	9.303891	9.691374	8.363801	7.872006	7.564603	7.533816	7.217589	7.278704	7.37257	7.353748	6.972418	7.183685
ZNF167	ZNF167	7.352253	7.612507	7.263561	7.525913	7.565713	7.5137	7.300696	7.405224	7.290825	7.324656	7.128652	7.094128
ZNF169	ZNF169	7.133028	7.268852	6.943469	7.229134	7.102053	7.096228	6.987348	6.982978	7.010904	6.855737	6.822026	7.00651
ZNF17	ZNF17	8.766739	9.50666	9.070301	9.272248	8.993752	9.618148	8.881864	8.989892	8.988033	8.980424	8.625616	8.951575
ZNF174	ZNF174	7.356475	7.620305	7.190811	7.507111	7.513451	7.822761	7.686977	7.602396	7.534787	7.616116	7.34807	7.607006
ZNF175	ZNF175	8.238809	8.68495	8.270686	8.565829	8.296352	8.387317	8.277131	8.091916	8.208032	8.177405	8.291631	8.145494
ZNF177	ZNF177	7.762609	7.916683	7.675867	7.859183	7.814358	7.672932	7.69877	7.702073	7.689803	7.530596	7.437622	7.606449
ZNF179	ZNF179	7.204372	7.483128	7.113263	7.383579	7.310433	7.368556	7.161615	7.14794	7.158107	7.262608	7.110242	7.079123
ZNF18	ZNF18	8.258065	8.409178	8.171539	8.003492	8.155888	8.633131	8.139955	8.182635	8.26331	7.960949	8.187013	8.045885
ZNF180	ZNF180	6.817343	6.909958	6.686524	6.987491	6.939179	6.941716	6.781359	6.900411	6.763441	6.80629	6.745019	6.759915
ZNF181	ZNF181	7.191477	7.88874	7.399956	7.651427	7.751768	8.034366	7.822488	7.73083	7.869265	7.770238	7.436791	7.652942
ZNF182	ZNF182	7.827878	8.205722	7.416107	7.588277	7.660704	7.741839	7.540921	7.504291	7.453961	7.499786	7.299071	7.441299
ZNF184	ZNF184	7.379115	7.658215	7.534631	7.819628	7.35374	7.564905	7.402785	7.401784	7.455126	7.326299	7.206262	7.212393
ZNF185	ZNF185	8.583685	8.490742	7.674691	8.668165	9.000736	8.814839	8.472374	8.361446	8.15613	8.197434	7.662793	7.526786

ZNF187	ZNF187	7.857348	8.477205	7.911132	8.333793	8.426053	8.527455	8.166239	8.113784	8.255154	8.086477	7.682295	7.895549
ZNF189	ZNF189	7.775302	8.433385	8.381598	8.477569	8.506971	8.822132	8.351532	8.481544	8.308365	8.366996	8.033415	8.091077
ZNF19	ZNF19	6.847018	7.086118	6.814247	6.991909	6.89419	7.007257	6.825833	6.9239	6.890762	6.934299	6.785039	6.839939
ZNF192	ZNF192	7.062791	7.330793	7.028638	7.27334	7.37567	7.761661	7.095611	7.18527	7.107836	7.154394	7.176756	7.254817
ZNF193	ZNF193	8.71589	8.800559	9.092822	9.237475	9.016903	9.049657	8.689841	8.881888	8.908325	8.567472	8.561985	8.207721
ZNF195	ZNF195	9.872207	10.26103	9.826705	9.65972	9.013422	9.113652	8.464521	8.728918	8.553643	8.271243	8.161571	7.886382
ZNF197	ZNF197	7.428614	7.699498	7.443678	7.738694	7.801271	8.235063	7.719387	7.681917	7.716576	7.573027	7.296802	7.346255
ZNF198	ZNF198	9.843916	10.43529	9.980848	10.21131	9.732669	9.8323	9.464811	9.429894	9.301151	9.051163	8.960618	9.040726
ZNF2	ZNF2	7.091947	7.260362	6.994152	7.264036	7.4311	7.377022	7.325038	7.305421	7.351061	7.323463	7.141235	7.32956
ZNF20	ZNF20	9.369359	9.520449	9.208893	9.025906	8.981133	9.339485	8.682786	8.575621	8.619021	8.311216	7.959419	8.113793
ZNF200	ZNF200	7.744055	8.15664	7.772934	8.025341	7.913444	8.445256	7.913218	7.997006	7.934538	7.721619	7.549692	7.747607
ZNF202	ZNF202	7.690636	8.292176	7.622451	7.686185	7.683399	7.387348	7.157966	7.193035	7.163162	7.326582	7.088445	6.976472
ZNF204	ZNF204	7.765604	7.349349	7.163306	7.555806	7.516434	7.813558	7.897181	7.557403	7.871774	7.641826	7.178344	7.905412
ZNF205	ZNF205	7.132841	7.387544	7.008157	7.220559	7.144701	7.402886	7.197065	7.183087	7.111581	7.148593	7.073038	7.058192
ZNF206	ZNF206	12.70455	12.71356	11.14904	8.628204	7.196463	6.98467	6.775057	6.821447	6.740694	6.816394	6.658355	6.80273
ZNF207	ZNF207	11.94612	12.24579	11.96161	12.05991	11.52385	11.82335	11.1098	11.19463	11.13851	11.11977	10.96413	10.96608
ZNF208	ZNF208	6.816449	6.962322	6.757601	6.957531	6.791879	6.850852	6.811936	6.836607	6.824421	6.886788	6.662772	6.668381
ZNF21	ZNF21	7.044637	7.175828	6.845053	7.230472	7.164639	7.092761	7.021194	7.047513	7.000526	7.180894	6.908033	6.95681
ZNF211	ZNF211	8.485085	8.75586	8.722893	8.942066	8.871793	9.761764	9.214053	9.208428	9.006015	8.903677	8.511035	8.693351
ZNF212	ZNF212	9.643733	9.592762	9.078575	8.999029	9.04427	8.998787	8.61603	8.323065	8.460449	8.265924	7.59344	8.142295
ZNF213	ZNF213	7.683871	7.823603	7.539863	7.707116	7.809437	7.580649	7.538275	7.768796	7.732684	7.694005	7.651981	7.661678
ZNF214	ZNF214	6.920325	7.165655	6.91191	7.253479	7.093738	7.076935	7.045324	7.081191	6.965945	6.944251	6.855691	6.89767
ZNF215	ZNF215	8.687028	9.175795	8.197788	8.402652	7.566025	7.266329	7.132056	7.164094	7.187651	7.033526	6.965584	7.064713
ZNF217	ZNF217	10.28676	10.56081	9.969808	9.52987	9.398659	9.159063	8.850748	8.911785	8.811783	8.402042	8.518678	8.424169
ZNF218	ZNF218	6.822931	7.056749	6.945283	7.503557	8.10733	8.261693	8.340111	8.53141	8.513317	8.303411	7.918472	7.948509
ZNF219	ZNF219	9.601191	9.563687	8.251577	8.936373	8.946159	9.639105	9.118582	9.274237	8.972559	9.212953	8.954656	8.875149
ZNF22	ZNF22	11.22971	11.4748	10.71795	10.66391	10.29052	10.61593	10.20783	10.34057	10.4177	10.23096	9.710778	9.6542
ZNF221	ZNF221	6.86095	7.036259	6.782125	6.973899	6.876347	6.830513	6.76195	6.905875	6.82061	6.870451	6.695334	6.808653
ZNF222	ZNF222	7.139389	7.371503	7.121352	7.363867	7.242165	7.456865	7.299868	7.14279	7.32053	7.271157	7.047943	7.235883
ZNF223	ZNF223	9.438507	10.34429	9.833543	10.17152	10.16777	10.02455	10.20617	9.233488	9.923115	9.419078	8.900043	9.816457
ZNF224	ZNF224	7.305539	7.521864	7.224544	7.435411	7.450996	7.361758	7.304095	7.508987	7.39083	7.340672	7.148991	7.291145
ZNF225	ZNF225	7.500595	7.633146	7.38505	7.617186	7.443842	7.754018	7.550181	7.48883	7.497203	7.457311	7.328938	7.321633
ZNF226	ZNF226	7.130972	7.42392	7.041616	7.327766	7.503861	8.270473	7.945281	7.682087	7.990512	7.820319	7.981483	8.138181
ZNF227	ZNF227	7.712867	8.14479	7.770055	7.82604	7.667559	7.806879	7.494597	7.489073	7.522256	7.499076	7.239824	7.484174
ZNF228	ZNF228	7.47647	7.895535	7.745428	8.058692	8.065661	8.170559	7.899355	7.850708	8.032287	7.885381	7.561475	7.572406
ZNF229	ZNF229	6.832684	7.199189	6.794559	6.994946	6.936397	7.177873	6.935753	6.915347	6.904347	6.970444	6.746411	6.881614

ZNF23	ZNF23	7.762989	8.194883	7.960789	7.993782	7.829862	7.945814	7.687098	7.669553	7.716399	7.590384	7.535886	7.670643
ZNF230	ZNF230	7.038004	7.228215	7.108327	7.493114	7.353884	7.46268	7.218502	7.441178	7.184705	7.250913	7.176993	7.283496
ZNF232	ZNF232	9.000325	9.779781	8.58077	8.709963	8.5538	8.187026	7.978853	7.977657	8.131122	7.852432	7.657093	7.714848
ZNF233	ZNF233	7.027853	7.449752	7.123707	7.332772	7.093197	7.28831	7.230177	7.156307	7.310979	7.205133	7.100198	7.014356
ZNF234	ZNF234	8.122252	8.559324	8.098687	8.576135	8.59555	8.688815	8.452456	8.408909	8.430112	8.251761	7.962506	8.457455
ZNF235	ZNF235	7.355037	7.943195	7.650482	8.185579	7.909872	7.880201	7.666298	7.63066	7.541973	7.535506	7.345537	7.284902
ZNF236	ZNF236	7.374668	7.447586	7.51861	7.570446	7.468928	7.41388	7.193566	7.354652	7.227413	7.310995	7.215246	7.238088
ZNF238	ZNF238	6.993297	7.148239	6.833424	7.112981	6.946512	7.084738	6.935327	6.950071	6.942248	7.007485	6.841107	6.968254
ZNF239	ZNF239	9.16457	9.968271	8.75797	8.610543	8.682337	8.906955	8.278111	8.387259	8.383474	8.066373	7.904815	7.954632
ZNF24	ZNF24	7.348642	7.67031	7.811916	7.976765	7.585209	8.107714	7.504111	7.5705	7.471356	7.432489	7.456889	7.333986
ZNF248	ZNF248	8.318719	8.628992	8.304748	9.159476	8.97455	8.658797	8.599153	8.232427	8.434013	8.090604	7.523561	7.984997
ZNF25	ZNF25	7.814729	7.918649	7.785603	8.058677	8.644446	9.046769	8.907625	9.160496	9.631664	9.168958	8.950106	9.255043
ZNF250	ZNF250	7.824585	8.158975	8.21542	8.417749	8.162253	7.76861	7.619838	7.866762	7.888592	7.886527	7.457124	7.543742
ZNF251	ZNF251	7.231669	7.3288	7.091591	7.388358	7.252234	7.249287	7.148854	7.158599	7.18168	7.096244	7.041724	7.09751
ZNF253	ZNF253	6.872336	7.180516	6.917413	7.023243	6.88141	6.908132	6.839825	6.873885	6.777941	6.891648	6.705503	6.722203
ZNF254	ZNF254	7.473525	7.419459	7.223415	7.53885	7.317485	7.142303	6.989212	7.099282	6.942799	6.983999	6.828217	6.92932
ZNF256	ZNF256	9.296499	9.685818	9.24419	8.757237	8.558768	8.925201	8.251565	8.272691	8.357015	8.442689	8.074175	8.308623
ZNF257	ZNF257	6.82285	7.027416	6.744774	7.087236	6.881734	6.842711	6.876227	6.890455	6.817595	6.908167	6.823605	6.834718
ZNF259	ZNF259	9.005955	9.445384	8.924036	8.867855	8.558204	8.79729	8.146059	8.308315	8.382627	8.320177	8.566699	8.544065
ZNF26	ZNF26	8.236845	8.618197	8.207488	8.542275	8.206507	8.155393	7.820079	7.784828	7.83541	7.667103	7.524022	7.659306
ZNF263	ZNF263	9.119465	9.597062	9.03586	9.243754	8.905909	8.983886	8.496086	8.766715	8.56162	8.686294	8.694214	8.518189
ZNF264	ZNF264	7.347269	7.580232	7.348979	7.528913	7.531599	7.583774	7.462372	7.352445	7.522527	7.173666	7.113213	7.290419
ZNF265	ZNF265	10.55508	11.16086	10.81146	11.23542	10.87449	11.05704	10.60742	10.57092	10.67482	10.45497	10.05142	10.56307
ZNF266	ZNF266	7.750875	8.090769	7.805029	8.346517	8.134561	8.247738	7.858846	7.770393	7.806186	7.695872	7.379044	7.522385
ZNF267	ZNF267	6.779495	6.93737	6.736005	6.992932	6.83512	6.987648	6.704634	6.935408	6.854822	6.873835	6.841159	6.840071
ZNF268	ZNF268	7.073555	7.328243	7.034233	7.252794	7.076175	7.170436	7.03015	7.145573	7.086633	7.110923	6.986011	7.052968
ZNF271	ZNF271	8.684846	9.302465	8.700237	8.923615	8.771301	9.327673	8.918968	8.979162	8.8006	9.043841	8.791422	8.850572
ZNF273	ZNF273	7.29936	7.540951	7.132261	7.172713	7.069122	7.047624	6.88147	6.922613	6.84564	6.894103	6.75921	6.862931
ZNF274	ZNF274	8.622486	8.921926	8.528337	8.298793	8.449588	8.875316	8.289939	8.412817	8.328923	8.520987	8.443081	8.524349
ZNF275	ZNF275	8.159385	8.043632	8.161909	8.561345	8.601241	8.481108	8.185548	8.301359	8.198487	8.166969	8.397474	8.416007
ZNF276	ZNF276	6.913181	7.149028	6.984127	7.162083	6.972475	7.092829	6.909462	7.107608	7.052394	7.025846	6.847935	6.925234
ZNF277	ZNF277	9.595164	9.633043	9.138382	9.365285	9.341765	9.713293	9.229582	9.418252	9.457831	9.41534	9.501721	9.275554
ZNF278	ZNF278	7.348852	7.570267	7.097413	7.227082	7.069859	7.161814	6.958382	7.016611	6.991777	6.989884	6.839137	6.846004
ZNF28	ZNF28	7.413312	7.638324	7.385607	7.708107	7.344305	7.520088	7.273471	7.274087	7.194818	7.273405	7.04408	7.124646
ZNF281	ZNF281	10.80129	11.33002	10.53733	10.35398	9.836916	9.878854	9.372496	9.119384	9.442503	9.13295	8.894866	9.082074
ZNF282	ZNF282	8.482202	8.761431	7.929167	8.336658	8.282189	8.318637	7.939246	8.056413	7.87861	7.968058	8.080223	8.020253

ZNF283	ZNF283	7.248522	7.443528	7.312396	7.326584	7.282958	7.33485	7.129084	7.249847	7.192994	7.221838	7.275408	7.082645
ZNF284	ZNF284	6.946952	7.023601	6.90693	7.073601	6.960939	6.975477	6.922915	7.013283	6.896973	6.930264	6.797959	6.843376
ZNF285A	ZNF285A	7.878006	8.205997	8.493008	8.573977	8.611345	8.337701	8.242449	8.261178	8.354374	8.137391	7.923895	8.125028
ZNF286	ZNF286	7.954312	8.284342	7.785054	8.280826	7.707278	7.695918	7.508546	7.474825	7.342132	7.370066	7.262788	7.3761
ZNF287	ZNF287	6.937291	7.042744	6.980138	7.269424	7.264922	7.152825	7.009456	7.071312	7.062208	7.012147	6.969869	7.008276
ZNF289	ZNF289	8.757754	8.899045	8.554707	9.106169	9.006413	9.307687	9.196684	8.985967	9.292779	9.084269	8.380666	9.137964
ZNF291	ZNF291	7.627935	7.75511	7.38317	7.980239	8.048118	8.612236	8.204637	8.444483	8.518201	8.388658	8.118797	8.226819
ZNF292	ZNF292	7.169384	7.493468	7.292476	7.436622	7.338477	7.393725	7.225818	7.201801	7.426337	7.074752	7.003358	7.100538
ZNF294	ZNF294	8.17503	8.391572	8.205217	8.653737	8.484994	8.82388	8.278305	8.45857	8.379634	8.298904	8.407575	8.358172
ZNF295	ZNF295	7.942591	8.29257	7.90466	8.130824	8.077432	8.151681	7.471005	7.635089	7.701163	7.585029	7.801606	7.867869
ZNF297B	ZNF297B	8.363222	8.801445	8.276954	8.948505	8.854703	9.336678	8.820888	9.058315	8.78844	8.993199	8.66482	9.004431
ZNF3	ZNF3	7.478313	7.792427	7.431511	7.813487	7.61807	7.674125	7.472884	7.484401	7.531491	7.526145	7.248268	7.329086
ZNF30	ZNF30	8.693838	8.955954	8.517693	8.508048	8.711187	8.7795	8.673287	8.708729	8.685519	8.280165	7.956943	7.939928
ZNF300	ZNF300	7.612496	8.142785	7.974352	8.027402	7.724874	7.455787	7.146837	7.169676	7.401239	7.079188	6.879481	6.999266
ZNF302	ZNF302	9.610442	10.40839	9.91774	10.17955	10.27349	11.02192	10.33827	10.282	10.53721	10.27138	9.539568	9.852789
ZNF304	ZNF304	7.343837	7.58883	7.393076	7.438103	7.335743	7.27565	7.208809	7.141221	7.027859	7.257335	6.976373	7.217818
ZNF306	ZNF306	8.066135	8.535031	7.752825	7.982261	7.901144	8.322889	7.998803	8.092878	7.793003	7.847698	7.65222	7.588966
ZNF307	ZNF307	8.346736	8.752215	8.358709	8.575307	8.416877	8.419111	7.953096	8.084698	8.074885	7.851452	7.581337	7.784782
ZNF31	ZNF31	7.059098	7.338048	6.993598	7.24489	7.190561	7.02172	6.993958	7.055286	6.960276	7.032622	6.858927	6.841782
ZNF311	ZNF311	6.957256	7.010896	6.683554	6.996972	6.974205	7.053511	6.753582	6.85402	6.859767	6.908405	6.691434	6.719588
ZNF312	ZNF312	6.810325	6.966445	6.881872	7.06985	6.915689	6.859148	6.845338	6.939858	6.85922	7.006156	6.769204	6.798968
ZNF313	ZNF313	10.87781	11.28322	10.20103	10.49907	10.29891	10.97897	10.48292	10.39878	10.64016	10.56339	10.53745	10.68613
ZNF317	ZNF317	9.044592	9.230067	8.636423	8.905818	8.427576	8.694369	8.308044	8.280208	8.327301	8.432706	8.164735	8.578017
ZNF318	ZNF318	8.086544	8.337471	7.978854	8.736999	8.322284	8.153213	7.949356	7.893759	7.945929	7.902858	7.672899	7.954129
ZNF319	ZNF319	7.8749	8.068234	8.214441	8.457741	8.540934	8.989951	8.482634	8.488079	8.51829	8.512354	8.322649	8.352894
ZNF32	ZNF32	8.05526	8.461397	8.110329	8.176767	8.337212	8.743643	8.499733	8.610228	8.662519	8.712463	8.485141	8.392815
ZNF320	ZNF320	8.083306	8.505336	8.143832	8.192092	8.313729	8.489723	8.256085	7.949107	8.078671	7.91504	7.578274	7.511721
ZNF322A	ZNF322A	7.81796	8.209248	7.571343	7.930611	7.768766	7.834373	7.617133	7.444934	7.573477	7.354446	7.109908	7.417366
ZNF322B	ZNF322B	7.086303	7.300034	6.971193	7.108692	6.989844	7.127123	6.94874	7.034182	7.163414	7.051151	6.856172	6.983606
ZNF323	ZNF323	7.646602	8.013285	7.534644	7.665316	7.631591	8.202948	7.940185	7.896821	7.926477	7.986177	7.448652	7.653868
ZNF324	ZNF324	7.565784	8.021895	7.983754	8.329973	8.201931	8.20323	7.91944	8.060096	7.928287	8.035223	7.946777	7.559401
ZNF326	ZNF326	7.223872	7.658139	7.248664	7.324263	7.233812	7.60585	7.210754	7.198937	7.253768	7.087661	6.948652	7.136065
ZNF329	ZNF329	9.161061	9.774265	9.216456	8.825529	8.951325	9.597394	9.006843	8.961588	9.128196	8.792257	8.939012	8.679582
ZNF330	ZNF330	9.319032	9.522259	8.973827	9.259404	9.450302	11.82493	11.27783	11.14361	10.89772	10.88973	10.74241	10.80711
ZNF331	ZNF331	8.279034	8.562967	7.771538	8.544084	7.943105	7.636835	7.397154	7.33929	7.423006	7.319991	7.116592	7.296031
ZNF333	ZNF333	7.270414	7.313165	7.118563	7.360123	7.501337	7.565334	7.360284	7.446625	7.615047	7.386255	7.277592	7.302308

ZNF334	ZNF334	7.849349	8.003346	7.787721	8.030664	7.896404	7.674401	7.339719	7.3347	7.402337	7.170464	7.017311	7.087443
ZNF335	ZNF335	7.054788	7.277172	6.950476	7.283881	7.173147	7.565329	7.055452	7.102288	7.184944	7.167184	7.097678	7.090343
ZNF336	ZNF336	7.032881	7.39546	7.242832	7.530566	7.362646	7.535052	7.261535	7.38627	7.214909	7.227714	7.045082	7.026157
ZNF337	ZNF337	8.310537	8.655224	8.718974	8.693352	8.948146	8.878807	8.806495	8.931428	8.736628	8.844284	8.496035	8.238331
ZNF33A	ZNF33A	7.752207	8.203573	7.718313	7.905973	7.966611	7.77179	7.703389	7.568113	7.666406	7.639277	7.296151	7.590067
ZNF34	ZNF34	8.071265	8.1242	7.52604	7.887077	7.695912	8.341642	7.651512	7.756796	7.746608	7.691041	7.484613	7.567923
ZNF341	ZNF341	8.132662	8.101087	7.859874	7.935148	7.546439	7.460827	7.45045	7.605333	7.418997	7.491104	7.347607	7.157741
ZNF342	ZNF342	9.530523	9.686535	7.985414	7.544641	7.279516	7.386434	7.125361	7.10498	7.162647	7.027786	6.845923	6.976903
ZNF343	ZNF343	6.937506	7.153442	7.008911	7.179415	7.184267	7.253864	6.99409	7.124859	7.161728	7.059541	7.02107	7.01828
ZNF345	ZNF345	7.123515	7.454019	7.209751	7.300886	7.257663	7.193718	7.098281	7.046173	7.098569	7.058966	6.90807	6.910965
ZNF346	ZNF346	7.172708	7.107673	6.997331	7.292992	7.415224	7.256779	7.226399	7.365483	7.3377	7.210598	6.969883	7.117283
ZNF347	ZNF347	7.503054	7.761784	7.479484	7.562532	7.21047	7.251833	7.132362	7.145885	7.183516	7.075521	6.92315	7.075958
ZNF35	ZNF35	8.84032	9.513306	9.28152	9.519021	8.918964	9.407643	8.833699	8.739209	8.701671	8.739349	8.402426	8.332063
ZNF350	ZNF350	7.516461	8.068158	7.821983	7.737742	7.540693	7.884671	7.597811	7.609094	7.534714	7.484568	7.283343	7.386157
ZNF354A	ZNF354A	7.663817	7.826428	7.383541	7.815738	7.789151	7.846362	7.562539	7.354639	7.647037	7.475089	7.108758	7.477792
ZNF354B	ZNF354B	6.844785	7.143081	6.803978	7.14258	7.168459	7.014097	6.977155	7.056198	7.019466	6.882733	6.755309	6.915263
ZNF354C	ZNF354C	6.901569	7.090434	6.912393	7.055214	6.99434	6.970442	6.86992	6.944075	6.916812	6.961743	6.782308	6.778217
ZNF358	ZNF358	9.800908	10.29948	9.682521	10.16183	10.0381	9.964778	10.16338	9.90568	10.27759	10.36174	9.830463	10.34858
ZNF364	ZNF364	9.891958	10.6193	10.36385	10.54246	10.55134	11.68038	11.6256	11.69915	11.72232	11.95579	11.41573	11.56209
ZNF365	ZNF365	6.882679	7.085577	6.79616	6.957397	6.91661	6.985336	6.899049	6.933478	6.869522	6.927396	6.992481	7.058819
ZNF366	ZNF366	6.994277	7.128725	6.879549	7.245604	7.08654	7.203016	7.078938	7.082751	7.065757	7.18378	7.025491	7.011122
ZNF367	ZNF367	6.909935	7.276842	6.952145	7.072352	7.000262	7.163838	7.056741	7.169776	6.951459	7.110539	6.961596	6.878529
ZNF37A	ZNF37A	6.893165	7.161059	6.846153	7.217086	7.084614	7.26573	7.034495	7.10849	7.045349	7.055183	6.910131	6.995982
ZNF38	ZNF38	9.071181	9.505275	9.032735	8.912448	8.713509	8.957371	8.332638	8.38688	8.401956	8.160718	8.02874	7.973592
ZNF382	ZNF382	6.730504	6.975657	6.737557	6.902522	6.960359	6.954948	6.869131	6.928143	6.751544	6.907018	6.644398	6.839153
ZNF383	ZNF383	7.226826	7.60728	7.126199	7.377323	7.199856	7.365274	7.164689	7.165492	7.245094	7.310554	7.21024	7.175282
ZNF384	ZNF384	7.68467	8.041297	7.588363	8.024923	7.660348	7.815731	7.458596	7.508601	7.544755	7.506639	7.473771	7.509337
ZNF385	ZNF385	7.065806	7.138542	7.108343	7.337664	7.299492	7.362798	7.101755	7.093033	7.029572	7.078653	6.940161	6.951108
ZNF394	ZNF394	9.128761	9.875573	9.262849	9.54674	9.841776	9.825244	9.749353	9.589651	9.481815	9.537175	9.233349	9.391623
ZNF395	ZNF395	9.090344	8.892407	8.906689	9.481627	10.23625	8.752591	8.548296	8.574967	8.754994	8.541784	8.489829	8.79234
ZNF396	ZNF396	7.082617	7.222442	6.910691	7.206871	7.179373	7.36024	7.204059	7.143162	7.166992	7.092667	7.023304	7.033811
ZNF397	ZNF397	7.197852	7.481129	7.044643	7.362304	7.309638	7.522753	7.310879	7.376994	7.304345	7.284516	7.119373	7.132541
ZNF398	ZNF398	8.719441	9.111424	7.73194	7.917276	7.688177	7.84263	7.550138	7.626194	7.572015	7.601207	7.338236	7.415934
ZNF403	ZNF403	9.687594	9.81818	9.990168	10.35691	10.41987	11.05446	10.27541	10.44534	10.39627	10.12759	10.20299	10.16168
ZNF404	ZNF404	7.269403	7.378164	7.025887	7.305972	7.236274	7.297417	7.257471	7.225976	7.155926	7.34093	6.976994	7.403483
ZNF406	ZNF406	7.040617	7.285333	6.975719	7.142791	7.112809	7.295583	7.056865	7.198328	7.091364	7.119597	6.883785	7.015963

ZNF407	ZNF407	6.989721	7.256548	6.977419	7.192149	7.021267	7.129325	7.028444	7.089298	7.182907	7.120045	6.93537	7.010605
ZNF408	ZNF408	7.260188	7.707924	7.251267	7.536013	7.459792	7.605825	7.250933	7.433818	7.261887	7.297353	7.355152	7.312253
ZNF409	ZNF409	6.987014	7.392715	6.860248	7.176878	7.18983	6.963356	7.068889	7.006981	7.072034	6.922049	6.880938	6.895011
ZNF41	ZNF41	6.87126	7.103091	6.819279	7.080278	6.998595	7.003066	6.826459	6.964029	6.927811	6.941983	6.804683	6.853731
ZNF410	ZNF410	8.425183	8.688109	8.837874	9.452239	9.275102	9.420372	9.105378	9.274012	9.118609	9.042354	8.979416	8.820272
ZNF414	ZNF414	7.36158	7.517989	7.064437	7.322451	7.275243	7.510347	7.290021	7.322391	7.314269	7.405349	7.272082	7.088397
ZNF415	ZNF415	8.554389	8.816479	8.86613	9.012819	8.956189	9.475141	8.981065	8.924041	8.904591	8.748894	8.487517	8.445103
ZNF416	ZNF416	7.979014	8.631384	8.167752	8.018319	7.947042	8.124081	7.845116	7.94936	7.617305	7.777721	7.781468	7.688035
ZNF417	ZNF417	7.425179	7.678161	7.703044	8.167426	8.096071	7.75328	7.666566	7.622927	7.518872	7.416629	7.077798	7.204687
ZNF418	ZNF418	7.888018	8.262215	7.830358	7.875204	7.662997	7.872894	7.722639	7.573191	7.725658	7.662904	7.082949	7.202295
ZNF419	ZNF419	8.594411	9.005349	8.633776	8.718581	8.699582	8.959397	8.725181	8.581906	8.866658	8.761348	8.565728	8.699685
ZNF42	ZNF42	8.635892	8.849035	8.585407	9.069881	9.273173	9.082006	8.845074	8.701428	8.848146	8.532281	8.272892	8.634496
ZNF420	ZNF420	6.969947	7.262033	6.956834	7.054863	7.053582	7.14581	6.942464	6.966346	7.040197	6.950343	6.792071	6.947765
ZNF423	ZNF423	8.066521	8.318983	8.165322	7.714196	7.432312	7.215042	7.00125	7.15001	7.246075	7.038118	6.840127	6.894568
ZNF425	ZNF425	7.559392	8.338526	7.384199	7.798111	7.888384	8.191736	7.669816	7.598216	7.54528	7.465529	7.294984	7.290277
ZNF426	ZNF426	8.267373	8.843376	8.238226	8.346036	8.329184	8.985033	8.180264	8.085904	8.121925	8.227942	8.022916	8.12475
ZNF429	ZNF429	7.027963	7.387657	7.036137	7.129988	7.013156	7.227006	7.03457	7.078103	7.00663	7.113891	6.847999	6.886556
ZNF43	ZNF43	7.087423	7.328012	7.028081	7.369879	7.102751	7.052968	6.993415	6.997084	6.964039	7.044251	6.833507	6.932498
ZNF430	ZNF430	11.42887	12.31527	11.65609	12.11141	12.05721	11.93559	12.16225	11.44867	11.99359	11.69202	10.96855	11.69048
ZNF431	ZNF431	8.535096	9.287732	8.389157	8.365511	8.002191	8.332797	7.752607	7.424328	7.502005	7.330083	6.868541	7.232642
ZNF432	ZNF432	7.477757	7.727784	7.602693	7.825152	7.757814	7.827427	7.588146	7.543523	7.631073	7.612137	7.424718	7.402936
ZNF433	ZNF433	7.37696	8.075327	7.975881	8.025941	7.944927	8.473986	7.803627	7.69438	7.860417	7.838766	7.327672	7.797523
ZNF434	ZNF434	8.708786	8.891325	8.542354	8.479435	8.497637	8.747244	8.532232	8.564495	8.520279	8.575441	8.268528	8.15409
ZNF435	ZNF435	8.749203	9.166963	8.559688	8.65182	8.422942	8.885003	8.420779	8.409292	8.414836	8.220556	7.820522	7.940309
ZNF436	ZNF436	6.91883	7.105313	7.136181	7.30923	7.254014	7.907475	7.866317	7.868358	7.686445	7.877928	7.503144	7.632909
ZNF438	ZNF438	7.046519	7.289261	7.193623	7.43991	7.38185	7.499298	7.581253	7.865125	7.703604	7.890755	7.541673	7.603025
ZNF439	ZNF439	7.694436	7.772228	7.422467	7.623887	7.554356	7.909847	7.609735	7.485601	7.638753	7.53756	7.172138	7.192469
ZNF44	ZNF44	6.742886	6.915918	6.848236	6.997016	6.912036	6.953206	6.928781	6.913226	6.912603	6.840616	6.843448	6.920492
ZNF440	ZNF440	6.8225	6.960893	6.826438	7.049952	6.866498	7.011098	6.806048	6.847889	6.92636	6.860983	6.81837	6.725357
ZNF440L	ZNF440L	7.126954	7.383507	7.204786	7.655856	7.626196	7.634469	7.353485	7.4182	7.3315	7.330737	7.014739	7.081209
ZNF441	ZNF441	6.930051	7.052609	6.859201	6.997181	6.938589	7.045686	6.992631	6.966404	6.979092	6.908635	6.857831	6.841425
ZNF442	ZNF442	7.543232	7.640468	7.346171	7.533189	7.414063	7.577629	7.256055	7.260307	7.310974	7.402761	7.158445	7.074253
ZNF443	ZNF443	7.751594	8.067455	8.156754	8.035385	7.571315	8.12636	7.374116	7.413019	7.298042	7.283637	7.161254	7.244699
ZNF444	ZNF444	8.199993	8.350479	7.921027	8.249936	8.070161	8.820347	8.136209	8.214252	8.241715	8.220876	8.041069	7.836476
ZNF445	ZNF445	6.943855	6.952149	6.808048	6.859288	7.043747	6.90471	6.844556	6.996065	6.74303	6.891723	6.797339	6.836173
ZNF446	ZNF446	7.398953	7.525621	7.495648	7.750829	7.745049	8.067944	7.621683	7.773741	7.776065	7.776938	7.709139	7.698373

ZNF447	ZNF447	10.49562	10.4943	9.934481	10.01097	10.52857	11.07605	10.45497	10.93002	10.62884	10.79957	10.89284	10.90168
ZNF449	ZNF449	6.959632	7.216745	6.97205	7.147503	6.939314	7.17151	6.961727	7.094475	6.977088	7.166088	6.811959	6.907589
ZNF45	ZNF45	8.056294	8.709183	8.160507	8.524615	8.232655	8.783665	7.993806	8.172549	7.870271	7.884674	7.858102	7.812351
ZNF451	ZNF451	8.265931	8.191424	7.878517	8.439451	8.40751	8.491043	8.00859	7.969801	7.890034	7.788033	7.639865	7.93353
ZNF452	ZNF452	7.152101	7.371884	7.410469	7.590161	7.43355	7.394489	7.219833	7.32775	7.23542	7.31165	7.101043	7.146829
ZNF454	ZNF454	7.06316	7.212738	6.861134	7.091239	6.979128	7.059627	6.880439	6.873836	7.113624	7.029308	6.862005	6.894819
ZNF460	ZNF460	7.149847	7.430791	7.252014	7.327384	7.268102	7.595229	7.315317	7.283672	7.249703	7.247544	7.100341	7.34422
ZNF462	ZNF462	11.39283	11.83395	10.29745	11.32648	11.04439	10.84618	10.18252	10.10215	10.05138	9.743207	9.301244	9.37618
ZNF467	ZNF467	6.914287	7.369694	7.410957	8.605473	9.594389	9.252938	9.041749	8.607395	8.770551	8.461548	7.768241	8.265767
ZNF468	ZNF468	7.16251	7.318026	7.195632	7.382417	7.164614	7.369739	7.071023	7.111232	7.129323	7.085711	7.054183	7.058002
ZNF469	ZNF469	6.82736	7.124301	6.797197	7.131442	7.135695	7.109278	7.081974	7.103924	7.151711	7.148756	7.201764	7.077997
ZNF471	ZNF471	7.093586	7.418003	7.211931	7.527557	7.47705	7.335788	7.261384	7.296748	7.35219	7.330742	7.19882	7.231924
ZNF473	ZNF473	7.49535	7.764871	7.580857	7.894761	7.650425	7.615057	7.317151	7.436914	7.444029	7.460126	7.321782	7.439304
ZNF474	ZNF474	6.868895	7.052574	6.907532	7.060286	6.92071	7.001376	6.960687	6.935951	6.985335	6.956577	6.885503	6.948759
ZNF479	ZNF479	6.81644	7.037438	6.813288	7.022054	7.027969	6.986685	6.871674	6.978494	6.869997	6.920965	6.797222	6.922043
ZNF480	ZNF480	8.538375	8.969661	8.807725	8.777115	8.258418	8.641601	8.102558	8.034724	8.031909	8.156298	7.886602	7.976687
ZNF482	ZNF482	7.212007	7.324153	7.051014	7.228712	7.286655	7.462336	7.283979	7.107623	7.323053	7.179278	7.05202	7.139454
ZNF483	ZNF483	7.436363	7.883016	7.469657	7.730406	7.777084	7.680969	7.717655	7.538373	7.585213	7.559101	7.284163	7.469639
ZNF484	ZNF484	7.43123	7.820144	7.401583	7.586608	7.508463	7.596751	7.402291	7.407104	7.293349	7.291632	7.205303	7.424815
ZNF485	ZNF485	7.520404	7.659663	6.984801	7.267138	7.189361	7.256643	7.110303	6.973464	7.111498	7.093969	6.899739	7.003474
ZNF486	ZNF486	12.68299	13.75811	13.19579	13.70464	13.65858	13.61058	13.73472	12.97396	13.59757	13.03503	12.25522	13.07451
ZNF490	ZNF490	6.887653	7.197455	6.796361	7.029864	7.075194	7.107637	6.911004	7.032982	6.970801	6.810405	6.710513	6.824143
ZNF491	ZNF491	6.928636	7.155277	6.875824	7.438933	7.651522	7.480862	7.363584	7.292703	7.436168	7.332612	7.038051	7.146193
ZNF492	ZNF492	7.030525	7.188547	6.831461	7.124485	6.991325	6.944484	7.015029	6.993429	6.9907	7.024772	6.864085	6.916053
ZNF493	ZNF493	7.402383	7.661823	7.346976	7.558661	7.548383	7.809051	7.539644	7.416326	7.410193	7.331983	6.920628	7.144053
ZNF496	ZNF496	6.973315	7.344526	6.917231	7.124363	7.004021	7.004719	7.01612	6.960872	6.988784	7.073206	6.885708	6.880974
ZNF497	ZNF497	6.948962	7.140434	7.050561	7.176207	7.161387	6.959751	7.020751	7.026021	6.922022	7.014587	6.84389	6.912981
ZNF498	ZNF498	7.015591	7.234086	7.16434	7.264274	7.2741	7.254831	7.135016	7.014508	7.077723	7.09744	6.891698	7.016248
ZNF499	ZNF499	8.290305	8.711328	8.013098	8.390547	8.167328	8.424137	8.417871	8.24343	8.385951	8.24117	7.790394	8.47888
ZNF500	ZNF500	7.600783	7.959228	7.72582	8.212747	8.104293	8.22185	7.951714	8.044577	7.808525	7.803354	7.680263	7.573218
ZNF501	ZNF501	6.925762	7.323425	6.943766	7.135331	7.002203	6.975977	7.018731	7.014426	7.011353	6.895655	6.810691	6.966993
ZNF502	ZNF502	7.201642	7.545356	7.302176	7.4065	7.297119	7.27863	7.049485	7.08785	7.18882	7.166202	6.908876	6.980743
ZNF503	ZNF503	7.154684	7.233159	7.407251	9.579222	9.656891	9.564573	8.926593	8.93695	8.548514	8.368406	9.077248	8.624859
ZNF507	ZNF507	7.457078	7.717728	7.597382	7.562293	7.433547	7.527261	7.16749	7.192257	7.230055	7.239875	6.894088	7.051824
ZNF508	ZNF508	10.54751	10.51006	10.25997	10.18079	9.514436	9.656417	9.094036	9.104531	8.845536	8.863177	8.50772	8.857142
ZNF509	ZNF509	7.345182	7.585438	7.497988	7.629477	7.55614	7.554508	7.435156	7.553163	7.473493	7.487205	7.426854	7.2538

ZNF510	ZNF510	7.334476	7.409177	7.230908	7.43824	7.438881	7.578687	7.236438	7.276659	7.213074	7.221601	7.123437	7.061978
ZNF511	ZNF511	10.36176	10.66743	10.2468	10.29544	10.38129	10.54287	10.1638	9.822884	10.04884	10.06985	9.501517	9.755108
ZNF512	ZNF512	9.848398	9.943368	9.648923	9.937099	10.16201	10.41153	9.64949	9.890303	9.751688	9.488049	9.469131	9.265505
ZNF513	ZNF513	7.632315	8.051785	7.772168	7.936186	7.767337	7.9919	7.756842	7.674484	7.853448	7.654375	7.426469	7.384229
ZNF514	ZNF514	7.688517	7.807202	7.449425	7.979118	8.158428	7.994716	7.841293	7.844833	7.674146	7.694728	7.495496	7.478201
ZNF516	ZNF516	7.135299	7.139976	7.064583	7.619182	7.252832	7.145407	7.023257	7.059272	6.96644	7.019436	7.048232	6.963947
ZNF517	ZNF517	7.083678	7.495446	7.019764	7.28893	7.275675	7.236879	7.154927	7.179362	7.063015	7.140856	6.956833	7.048394
ZNF518	ZNF518	8.726511	9.126874	9.249072	9.42665	9.125437	8.723761	8.476089	8.439355	8.356341	8.125775	7.79681	7.942869
ZNF519	ZNF519	8.259547	8.36651	8.049388	8.45557	8.330434	7.526518	7.229617	7.235661	7.344226	7.170337	6.977321	6.941555
ZNF521	ZNF521	8.097884	8.516229	9.18644	9.094492	9.033506	9.222032	8.983564	8.277284	9.03781	8.235067	7.439356	8.052428
ZNF524	ZNF524	7.244329	7.516957	7.145621	7.401364	7.531322	7.889766	7.70003	7.889395	7.688794	7.996063	8.016138	7.737216
ZNF525	ZNF525	8.092699	8.19871	7.564296	7.834775	7.590201	7.453266	7.13216	7.159812	7.097031	7.081391	6.984816	7.184314
ZNF526	ZNF526	7.352698	7.777477	7.173321	7.511829	7.490919	7.561811	7.378714	7.29006	7.399956	7.463711	7.438432	7.255337
ZNF527	ZNF527	7.105694	7.304039	6.811759	7.227967	7.088984	7.212752	7.086972	7.232247	7.0954	7.363764	7.157326	7.197366
ZNF528	ZNF528	6.957724	7.167983	6.846406	7.086	6.946257	7.032601	6.894431	6.997183	6.87401	6.950028	6.800057	6.903732
ZNF529	ZNF529	9.497303	9.672689	9.299885	9.496778	9.566389	10.19567	9.440344	9.479004	9.558228	9.297735	8.882049	9.102637
ZNF530	ZNF530	7.016523	7.415441	7.014786	7.112926	7.200767	7.132843	7.096736	6.981579	6.970482	7.050562	6.833245	6.911568
ZNF532	ZNF532	9.995163	10.50421	9.486259	9.915852	9.837369	9.597625	9.275024	8.985673	9.136831	8.886693	8.695924	8.763797
ZNF533	ZNF533	7.542651	7.446741	6.96573	7.302016	7.640579	8.157443	8.327337	8.797321	8.730968	9.459394	9.068574	8.363782
ZNF536	ZNF536	6.910506	7.080968	6.975478	7.052918	7.057108	7.338622	7.1453	7.31302	7.302188	7.295173	7.005754	7.105021
ZNF537	ZNF537	9.970898	10.47136	8.401733	10.53783	10.81322	8.59539	7.939083	8.013665	9.837583	7.934425	8.525546	8.132625
ZNF539	ZNF539	7.566887	7.4061	7.325876	7.940405	7.659234	7.295749	7.407114	7.254255	7.280827	7.086983	6.949575	7.174412
ZNF540	ZNF540	6.869129	6.992915	6.723468	7.078648	6.955732	7.334158	7.176371	7.312792	7.368382	7.274811	6.93141	7.324937
ZNF541	ZNF541	6.818041	7.126363	6.763127	7.192841	7.37693	7.021292	6.982233	6.903551	7.011584	6.980959	6.855028	6.812247
ZNF542	ZNF542	6.967711	7.196936	6.834529	7.087131	7.094454	7.198846	6.981905	6.964075	6.923079	7.071872	6.894818	7.046558
ZNF543	ZNF543	7.763358	8.061904	7.623911	7.848812	7.661494	7.741139	7.657891	7.431931	7.508966	7.497907	7.283133	7.266259
ZNF544	ZNF544	10.31227	11.00013	10.29387	9.88467	9.407002	9.43828	9.04093	8.800017	8.718459	8.745613	8.243683	8.568134
ZNF545	ZNF545	8.496795	8.766752	8.614418	8.44989	8.134652	8.334001	7.963975	7.942745	8.078606	8.012893	7.76873	8.04056
ZNF546	ZNF546	6.730177	6.955761	6.634205	7.012772	6.85348	6.893204	6.819394	6.822719	6.853994	6.930829	6.890668	6.766621
ZNF547	ZNF547	6.87703	6.965769	6.782917	7.055428	6.966098	6.952274	6.944536	6.994004	6.936014	6.909836	6.792363	6.811455
ZNF548	ZNF548	7.800204	8.267691	8.19363	8.459667	8.541482	9.076704	8.353395	8.524029	8.444632	8.369208	8.439347	8.18591
ZNF549	ZNF549	10.79749	11.56743	11.04142	11.34048	11.76385	11.52744	11.63503	11.31196	11.48103	11.37253	11.03904	11.21673
ZNF550	ZNF550	7.384531	7.794089	7.495085	7.718109	7.738407	8.0775	7.786162	7.753215	7.670635	7.534731	7.407867	7.469631
ZNF551	ZNF551	7.678744	8.186095	7.616926	7.806292	7.484762	7.630271	7.40304	7.249086	7.228493	7.306984	6.989959	7.129911
ZNF552	ZNF552	7.082782	7.415031	7.181048	7.407925	7.196693	7.246609	6.912818	7.077223	7.020388	6.950058	6.911111	6.914346
ZNF553	ZNF553	7.182581	7.544084	7.078658	7.316874	7.071758	7.443796	7.151681	7.106344	7.188216	7.215614	6.844169	6.964942

ZNF554	ZNF554	6.917198	7.104393	6.837642	7.182026	6.989787	6.869782	6.834166	6.833092	6.897926	6.927313	6.792058	6.805154
ZNF555	ZNF555	6.984772	7.352319	7.071062	7.375933	7.256038	7.270521	7.077283	7.167538	7.227103	7.141852	7.143999	7.06329
ZNF556	ZNF556	6.849108	7.0992	6.972466	6.957558	6.959404	7.011884	6.842716	6.946505	6.951433	6.917856	6.733674	6.842084
ZNF557	ZNF557	7.515442	8.248254	7.707571	8.025438	8.08732	7.956247	7.931166	7.608519	7.763019	7.845503	7.334267	7.779412
ZNF558	ZNF558	7.53252	8.136338	7.928741	8.190323	8.166708	8.087573	7.734549	7.796533	7.749084	7.731281	7.345006	7.560652
ZNF559	ZNF559	8.41652	9.201271	8.704275	8.672882	8.259637	8.444389	8.162956	8.067494	8.152605	8.077434	7.433102	7.852229
ZNF560	ZNF560	6.890299	7.209897	6.781179	7.050664	6.958752	7.069956	6.987092	6.975699	6.989785	6.983168	6.812423	6.809819
ZNF561	ZNF561	7.89523	8.656646	7.836704	8.236346	7.888071	8.675594	8.117273	7.705519	7.823219	7.58009	7.411597	7.670302
ZNF562	ZNF562	8.760152	9.075336	8.525076	8.543332	8.304232	8.674274	7.997019	7.922963	8.288623	7.852461	7.626763	7.706693
ZNF563	ZNF563	7.120907	7.289841	7.088271	7.314123	7.258083	7.296996	7.247414	7.086219	7.191099	7.221265	6.939999	7.084857
ZNF564	ZNF564	7.676918	8.052669	8.064858	8.197507	8.263326	8.266614	7.922065	8.050484	7.832501	7.868883	7.762324	7.809472
ZNF565	ZNF565	7.32526	7.606988	7.370532	7.655477	7.766017	7.787203	7.5703	7.527256	7.663196	7.59777	7.429215	7.468545
ZNF566	ZNF566	7.243468	7.524698	7.110209	7.306375	7.275231	7.326357	7.143888	7.205504	7.19035	7.203012	7.06935	7.119519
ZNF567	ZNF567	7.379961	7.548587	7.321775	7.492129	7.131267	7.383706	7.057501	7.165008	7.242804	7.203715	7.002434	7.020424
ZNF568	ZNF568	6.944821	7.183555	6.958875	7.047295	6.933565	7.144398	6.897474	7.005912	6.898616	6.961319	6.75034	6.817999
ZNF569	ZNF569	7.093825	7.328548	6.824816	7.156084	6.9623	7.131032	6.973127	6.994878	6.92884	7.058659	6.967754	6.93376
ZNF570	ZNF570	7.213685	7.317139	7.063884	7.177335	7.12048	7.356772	6.993257	7.133546	7.087377	7.070956	7.047606	7.020579
ZNF571	ZNF571	7.067764	7.330379	7.069467	7.210933	7.153937	7.371349	7.077403	7.237639	7.13267	7.183323	6.948854	7.066887
ZNF572	ZNF572	6.85545	7.160334	6.820815	6.861606	6.927469	6.952865	6.794207	6.8931	6.800834	6.958943	6.853432	6.873352
ZNF573	ZNF573	9.575765	9.817397	8.987397	9.059635	9.248312	9.514114	9.098682	8.930337	9.02182	8.670965	8.045034	8.532276
ZNF574	ZNF574	7.37084	7.546066	7.089172	7.421048	7.196871	7.241216	7.044079	7.307339	7.078966	7.090739	7.05759	6.99047
ZNF575	ZNF575	6.969331	7.100683	6.660137	7.158473	6.990822	7.145182	6.907548	6.91461	6.906805	6.935709	6.722608	6.755556
ZNF576	ZNF576	7.841412	8.302799	7.82385	7.992748	7.995252	8.17171	8.043521	7.869707	8.009622	8.03832	7.748519	7.926717
ZNF577	ZNF577	7.775371	8.422403	8.082721	8.312557	8.397862	8.2575	8.440036	8.162213	8.188486	8.22875	7.938122	8.190776
ZNF578	ZNF578	6.847433	7.156143	6.922136	7.180866	6.949763	6.940501	6.958625	7.032242	6.942738	6.994706	6.909811	6.874145
ZNF579	ZNF579	7.216673	7.379189	7.168579	7.484491	7.365025	7.476514	7.346255	7.354604	7.266197	7.292822	7.405107	7.307784
ZNF580	ZNF580	7.166236	7.464579	7.151405	7.402199	7.476352	7.739149	7.467199	7.524702	7.457638	7.582163	7.713879	7.284457
ZNF581	ZNF581	10.56187	10.50054	9.484706	9.615187	9.613038	9.031114	8.580419	8.844903	8.790138	8.701283	9.208938	8.441355
ZNF582	ZNF582	6.882555	7.176876	6.91817	7.125104	7.055211	6.893281	7.041099	6.857928	7.005374	7.041199	6.845455	6.93025
ZNF584	ZNF584	7.050538	7.295615	6.88246	7.303205	7.262607	7.409703	7.214099	7.429673	7.206547	7.312255	7.231928	7.381512
ZNF585A	ZNF585A	7.863111	8.104215	7.811844	7.829726	7.830475	8.132653	7.869265	7.799899	7.911903	7.706627	7.585042	7.723675
ZNF585B	ZNF585B	6.94966	7.334645	6.952185	7.162446	7.034742	7.102203	6.996977	7.039636	6.975863	7.065316	6.938526	7.015463
ZNF586	ZNF586	9.306561	9.765692	9.194145	9.592564	8.939875	8.885829	8.244961	8.305716	8.312107	8.197226	7.97172	8.031973
ZNF587	ZNF587	6.958644	7.328145	7.109906	7.480991	7.280593	7.376836	7.083133	7.072528	7.056217	7.006931	6.882909	6.941199
ZNF588	ZNF588	7.008869	7.304169	7.02017	7.077949	7.018796	7.009086	6.942397	7.029686	6.999755	7.063459	6.869531	6.880749
ZNF589	ZNF589	9.907229	10.42069	8.606354	8.227963	8.039242	8.014282	7.725644	7.707787	7.678127	7.663899	7.363226	7.405285

ZNF592	ZNF592	6.914765	7.216022	6.898385	7.071633	6.98241	7.053218	7.02009	6.955407	7.052745	7.083867	6.743795	7.014937
ZNF593	ZNF593	9.481289	9.870773	9.155911	9.296441	9.284103	9.797532	9.289522	8.754999	9.141716	9.280078	9.218596	8.645528
ZNF594	ZNF594	8.275899	9.130895	8.329103	8.506776	8.578741	8.492858	8.214507	8.27519	7.963555	7.919214	7.635233	7.669035
ZNF595	ZNF595	6.773018	6.94483	6.716374	6.871535	6.77908	6.964603	6.742378	6.78408	6.759067	6.722246	6.523294	6.768078
ZNF596	ZNF596	6.769071	6.991653	6.8352	7.060551	6.953706	7.002184	6.853829	7.006652	6.962206	6.976488	6.812561	6.887721
ZNF597	ZNF597	7.139979	7.321216	7.158829	7.24544	7.154095	7.415214	7.185079	7.331314	7.144635	7.185453	7.139915	7.103536
ZNF598	ZNF598	9.157857	9.252246	8.787538	8.975521	8.725131	8.800762	8.489207	8.549863	8.546361	8.493735	8.705122	8.51313
ZNF599	ZNF599	6.975051	7.093914	6.911549	7.106033	7.107932	7.032232	6.964153	7.087425	6.965765	6.955355	6.866719	6.935214
ZNF6	ZNF6	7.249544	7.650446	7.410424	7.949524	7.572179	7.456059	7.418272	7.244449	7.478497	7.137906	6.923562	7.285385
ZNF600	ZNF600	7.381193	7.883402	7.479297	7.770253	7.633183	7.499791	7.57604	7.2501	7.439135	7.255086	7.185821	7.294549
ZNF605	ZNF605	8.203206	8.664404	8.356694	8.430172	8.171576	8.358265	7.920686	8.129723	8.035831	7.798475	7.562717	7.562221
ZNF606	ZNF606	7.752514	8.176703	7.705587	8.081531	8.043344	7.835196	7.665916	7.673114	7.73544	7.61273	7.241827	7.539622
ZNF607	ZNF607	7.109967	7.572992	7.046712	7.247426	7.13611	7.142797	6.914665	7.01844	6.970957	7.058416	6.88408	6.906243
ZNF608	ZNF608	8.596695	9.177574	8.924759	9.458004	8.988087	9.213888	8.981953	8.334839	8.397029	8.099779	7.270066	7.669375
ZNF609	ZNF609	7.886283	8.008198	7.47488	7.818227	7.62501	7.386765	7.302425	7.481564	7.43044	7.383832	7.500032	7.222519
ZNF610	ZNF610	6.979929	7.337782	6.834872	6.98841	7.02588	7.218763	7.117296	7.173195	7.05528	7.039781	6.97552	7.171232
ZNF611	ZNF611	6.928379	7.195956	7.218365	7.392688	7.206272	7.159438	6.965456	7.154366	7.092059	7.130591	6.895538	6.955804
ZNF613	ZNF613	8.989878	9.749571	8.793378	8.476349	8.305752	8.469353	8.266494	8.191044	8.299892	8.123471	7.691269	8.033503
ZNF614	ZNF614	9.108232	9.64364	9.455654	9.17709	8.857902	9.117548	8.686578	8.703302	8.587168	8.448341	8.371018	8.596601
ZNF615	ZNF615	9.157907	9.667003	9.015825	8.845515	8.836284	8.996661	8.64737	8.832035	8.865117	8.63485	8.405538	8.796623
ZNF616	ZNF616	8.345666	8.705062	8.04579	7.972276	7.817868	7.961845	7.803607	7.821212	7.734213	7.736409	7.769747	7.899959
ZNF618	ZNF618	8.48565	8.700666	8.471468	9.051818	8.919219	8.36738	8.167638	8.045667	8.319118	7.888194	7.929995	8.060903
ZNF619	ZNF619	6.797152	6.830458	6.814717	6.929489	6.886072	7.010109	6.752849	6.803335	6.811529	6.82972	6.61998	6.69594
ZNF620	ZNF620	7.182891	7.425879	6.990138	7.297058	7.110982	7.234779	7.046972	7.114188	7.07949	7.093137	6.891278	6.926106
ZNF621	ZNF621	9.141002	9.348654	8.959887	9.325873	9.098713	8.602286	8.187847	8.127491	8.31028	7.992269	8.194149	7.931338
ZNF622	ZNF622	10.93612	11.64846	10.86367	11.07741	10.71546	12.22688	11.29007	11.14703	11.44293	11.37934	11.04934	11.6388
ZNF623	ZNF623	6.989513	7.225021	6.973524	7.196336	7.108174	7.110397	7.032386	7.074268	7.026666	7.083437	6.905133	6.956052
ZNF624	ZNF624	7.027911	7.167129	7.065423	7.235202	7.228041	7.115399	7.144867	7.184747	7.161429	7.014868	7.016842	6.939175
ZNF625	ZNF625	7.107819	7.638318	7.350568	7.366374	7.245611	7.286748	7.042394	7.162524	7.050136	7.148574	6.955487	7.073767
ZNF626	ZNF626	7.581643	8.076486	7.697978	7.746182	7.907836	8.642916	8.028579	8.075939	8.152087	7.964682	7.931199	7.742765
ZNF627	ZNF627	9.508402	9.980016	10.3961	10.52504	10.28291	10.30187	9.581441	9.582576	9.779901	9.355354	9.076758	9.027555
ZNF628	ZNF628	7.003674	7.232032	6.839335	7.112061	7.056703	6.941841	6.823192	7.017085	6.937465	6.915654	6.808856	6.784883
ZNF629	ZNF629	7.553857	7.92939	7.556978	7.891406	7.898962	8.043422	7.941591	7.765669	7.768935	7.849324	7.544579	7.756343
ZNF630	ZNF630	7.017822	7.405184	6.998906	7.31085	7.195236	7.231995	7.171467	7.365551	7.323786	7.326421	7.114815	7.160451
ZNF639	ZNF639	6.915771	7.161008	6.785511	7.065293	6.98323	7.041628	6.92374	6.91229	6.972142	7.067072	6.891642	6.928242
ZNF641	ZNF641	7.335881	7.401478	7.382604	8.834644	9.292869	8.287656	7.971489	7.968533	7.818435	7.804313	7.429137	7.509431

ZNF642	ZNF642	7.137003	7.396087	7.106001	7.425256	7.256035	7.046241	7.130577	7.122022	7.108828	7.217763	6.934734	6.990851
ZNF643	ZNF643	7.569891	8.125257	7.677068	7.594449	7.297575	7.062503	6.974692	7.063804	7.13155	7.013104	6.886074	6.93941
ZNF644	ZNF644	8.534138	8.881675	8.425276	8.808467	8.397123	8.76959	8.320305	8.353308	8.336881	8.193684	7.925711	8.0828
ZNF645	ZNF645	6.82171	6.993283	6.709625	6.852211	6.934428	6.790168	6.783923	6.983713	6.908788	6.864105	6.780308	6.767869
ZNF646	ZNF646	7.345516	7.412575	7.081723	7.276232	7.208339	7.182418	7.029644	7.160346	7.164295	7.141138	7.027683	7.085962
ZNF648	ZNF648	6.93186	7.25489	6.851381	6.934875	6.977039	6.920077	6.821763	6.951706	6.822274	6.799424	6.687331	6.777582
ZNF649	ZNF649	10.23632	11.02131	10.04286	9.095133	8.640425	8.297826	7.924511	7.826758	8.155233	7.693335	7.447201	7.824657
ZNF650	ZNF650	8.083941	8.088743	7.737258	8.422954	8.355579	9.43727	8.955172	9.255481	8.834611	8.959725	8.924708	8.71337
ZNF651	ZNF651	7.042611	7.076733	6.920374	7.185966	7.345683	7.496941	7.416868	7.594896	7.63608	7.792919	7.490564	7.691901
ZNF652	ZNF652	10.04611	10.97702	10.51569	10.90257	10.90257	10.80765	10.87254	10.35095	10.64126	10.27713	9.766165	10.43753
ZNF653	ZNF653	8.294111	8.397701	8.107132	8.691937	8.786955	8.952901	8.775937	8.689402	8.813608	8.942051	8.701658	9.476342
ZNF654	ZNF654	7.129112	7.40578	7.436143	7.748164	7.780483	8.054962	7.526144	7.65406	7.515609	7.632898	7.47791	7.806183
ZNF655	ZNF655	7.452545	7.865795	7.498424	7.770083	7.611489	7.947714	7.798264	7.671289	7.729599	7.643242	7.396175	7.612146
ZNF658	ZNF658	6.935451	7.304882	6.969106	7.092316	7.10175	7.184014	7.077183	7.11308	7.108179	7.055884	6.889631	7.053657
ZNF658B	ZNF658B	6.99883	7.248762	7.002904	7.164925	7.138859	7.211317	7.097919	7.099236	7.149846	7.183709	6.831003	7.061732
ZNF659	ZNF659	7.643261	7.624784	6.950659	7.194589	7.410418	7.278593	7.343843	7.338058	7.666322	7.504797	7.274505	7.782022
ZNF660	ZNF660	7.526963	7.776011	7.601336	7.736649	7.499462	7.491247	7.376405	7.380576	7.375576	7.468049	7.205671	7.318767
ZNF662	ZNF662	6.791929	7.007079	6.753052	6.930746	6.875813	6.839558	6.85592	6.768495	6.831907	6.810729	6.685691	6.842919
ZNF663	ZNF663	6.931095	7.114648	6.75859	7.123931	6.930077	6.946521	6.926373	7.004116	6.933548	6.916171	6.78814	6.914218
ZNF664	ZNF664	7.173964	7.545724	7.277586	7.495643	7.480682	7.862133	7.367485	7.523774	7.479201	7.541699	7.241027	7.902431
ZNF665	ZNF665	6.739035	7.024089	6.776667	6.83524	6.7968	6.953703	6.82977	6.856043	6.871489	6.798383	6.659028	6.768026
ZNF667	ZNF667	7.382675	7.463196	7.06747	7.223761	7.132431	7.387566	7.010732	7.198102	7.12388	7.12726	6.999021	7.028683
ZNF668	ZNF668	9.008991	9.157497	8.661476	8.63769	8.557372	8.467656	8.139367	8.164179	8.146761	8.138259	8.255602	8.115355
ZNF669	ZNF669	8.144716	8.731031	8.111398	8.370659	8.305265	8.155928	8.087942	7.741045	8.081744	7.781852	7.538814	7.956094
ZNF670	ZNF670	7.743789	7.914436	7.702278	7.49734	7.291206	7.362667	7.001272	7.129891	7.037844	7.022693	6.832896	6.981599
ZNF671	ZNF671	8.617468	8.991329	8.575231	8.780872	8.77387	9.166535	8.87212	9.075004	8.747911	8.755191	8.204777	8.498427
ZNF672	ZNF672	9.380351	9.386159	9.144155	9.480213	9.488428	10.08901	9.788928	9.949193	9.633839	9.78876	9.361055	9.477133
ZNF673	ZNF673	7.166566	7.4282	7.232688	7.437795	7.487978	7.55257	7.263495	7.339311	7.148032	7.185597	6.84915	6.975205
ZNF675	ZNF675	6.987331	7.442834	7.051643	7.152092	6.932977	7.08405	6.955884	6.882541	6.934698	7.013136	6.950687	6.854857
ZNF676	ZNF676	6.861082	6.956197	6.8656	6.977592	6.865649	6.909317	6.905953	6.894715	6.770537	6.833343	6.746508	6.881989
ZNF677	ZNF677	6.897619	7.14814	6.855744	7.023161	6.879778	6.964124	6.850442	6.935744	6.983342	6.924948	6.804779	6.887785
ZNF678	ZNF678	6.806928	6.802615	6.733525	6.941506	6.905408	6.971391	6.728132	6.871018	6.81339	6.694823	6.731853	6.749757
ZNF679	ZNF679	7.439869	7.737758	7.340379	7.419427	7.308799	7.150408	7.042729	7.24537	7.055563	7.212429	6.991452	6.934938
ZNF680	ZNF680	8.910768	9.207057	8.737163	8.468716	8.121378	7.985019	7.903924	7.86787	7.822823	7.745702	7.35025	7.399783
ZNF681	ZNF681	7.347171	7.638379	7.241673	7.296184	7.193328	7.157076	7.065737	7.030172	7.005359	7.164959	6.826278	6.919104
ZNF682	ZNF682	9.473999	10.21657	9.520322	9.915983	10.05654	9.989475	10.18142	9.681018	9.814337	9.772941	9.26683	9.855432

ZNF683	ZNF683	6.906755	7.112016	6.996737	7.046694	6.987077	7.015267	6.924421	6.990641	7.061423	7.031155	6.877595	6.917043
ZNF684	ZNF684	7.824576	8.091843	7.619594	7.611418	7.755566	8.343101	8.120182	7.898892	8.096712	8.020973	7.563094	7.525759
ZNF687	ZNF687	7.158589	7.2251	7.101371	7.219456	7.082637	7.049837	6.896374	7.058602	6.958701	7.082454	6.866764	6.871716
ZNF688	ZNF688	6.963426	7.096609	6.952545	7.263041	7.243239	7.489034	7.370466	7.442765	7.354339	7.333976	7.276709	7.264063
ZNF689	ZNF689	10.12772	10.4083	9.712329	10.01917	10.09863	10.40365	9.496187	9.447717	9.511061	9.522709	9.082436	9.418828
ZNF69	ZNF69	9.77614	10.65133	9.984616	10.33061	10.72685	10.53138	10.50024	10.16108	10.43114	10.21169	10.00534	10.1258
ZNF690	ZNF690	7.61135	8.070076	7.474858	7.798758	7.369387	7.13961	7.083705	7.110322	7.131284	7.049476	6.888589	7.052165
ZNF691	ZNF691	7.510231	7.928424	7.254285	7.450051	7.403107	7.317131	7.37046	7.41163	7.138788	7.470836	7.160776	7.146465
ZNF692	ZNF692	8.135652	8.173214	7.766716	8.167284	8.105051	8.377469	8.165068	7.996895	8.035296	7.943576	7.759056	7.656348
ZNF694	ZNF694	8.133322	8.278969	8.539676	8.562213	8.362801	8.545155	8.259878	8.237551	8.271202	8.478336	8.081316	8.143581
ZNF695	ZNF695	7.432029	7.470478	7.185865	7.262748	7.094476	7.014027	6.70215	6.858039	6.876212	6.873194	6.852515	6.806448
ZNF696	ZNF696	8.260492	8.711897	7.87126	8.237957	8.327323	8.380295	8.020749	7.871246	8.037777	7.899876	7.958509	7.734631
ZNF699	ZNF699	7.18752	7.419617	7.135802	7.33888	7.261549	7.435861	7.205123	7.126816	7.202731	7.253588	7.071108	7.171637
ZNF7	ZNF7	8.608661	9.0089	8.939311	8.912492	8.695512	8.930682	8.429469	8.5849	8.441538	8.447328	8.478895	8.339261
ZNF70	ZNF70	6.725913	6.884695	6.690695	7.015783	6.842504	6.985649	6.763727	7.005504	6.942105	6.885016	6.758187	6.793417
ZNF700	ZNF700	8.658884	8.956802	8.817307	8.999402	8.851645	9.053148	8.559271	8.708064	8.526	8.425841	8.010558	7.893606
ZNF701	ZNF701	7.352539	7.921207	7.892949	7.756106	7.491432	7.907448	7.491039	7.575382	7.524617	7.491171	7.373082	7.595537
ZNF702	ZNF702	7.324303	7.600424	8.077009	8.499859	8.266943	8.984984	8.168193	7.981299	7.872338	7.785211	7.562808	7.482107
ZNF703	ZNF703	6.868599	7.124728	6.874666	7.100254	7.119421	7.071979	6.975771	7.042018	6.952763	6.97009	6.905793	6.985093
ZNF704	ZNF704	6.984086	7.140929	7.032001	7.204873	7.186934	7.352093	7.149414	7.341334	7.0918	7.187412	7.016775	7.048605
ZNF705A	ZNF705A	6.904331	6.991099	6.905938	6.918066	6.953768	6.885186	6.764196	6.916787	6.799696	6.810148	6.751434	6.884091
ZNF706	ZNF706	7.838764	8.234674	7.7809	8.692963	8.534362	8.996714	8.607077	8.392863	8.539592	8.463779	8.024307	8.231454
ZNF707	ZNF707	7.125543	7.658232	7.404573	7.535892	7.453765	7.610944	7.178743	7.286347	7.275373	7.259778	7.109981	7.095534
ZNF708	ZNF708	6.99125	7.40098	7.103035	7.221529	6.971118	6.903667	6.949681	6.821055	6.961521	6.844715	6.709224	6.747464
ZNF709	ZNF709	6.960478	7.146099	6.881514	7.102202	7.10866	6.988671	6.937667	7.089823	6.944904	6.97996	6.800479	6.829198
ZNF71	ZNF71	7.003141	7.245657	7.165128	7.463692	7.276744	7.510157	7.711464	7.659545	7.68812	7.838295	7.463323	7.80243
ZNF710	ZNF710	6.724928	7.051469	6.763147	7.038828	6.920249	6.86232	6.953696	6.897813	6.889184	6.911247	6.721202	6.861555
ZNF713	ZNF713	7.159265	7.415062	7.196068	7.558143	7.395328	7.578956	7.414574	7.35735	7.455458	7.283447	7.004562	7.261522
ZNF714	ZNF714	7.329946	7.674732	7.126603	7.292065	7.32639	7.324074	6.963059	7.068238	7.113182	7.08969	6.815542	6.902861
ZNF717	ZNF717	6.829173	7.156571	6.862983	6.99585	6.791342	7.00881	6.819846	6.884449	6.935168	6.974296	6.728917	6.791218
ZNF718	ZNF718	7.099472	7.132235	6.849167	7.271099	6.950024	7.079714	6.943767	7.016669	6.999487	6.967528	6.827888	6.888608
ZNF720	ZNF720	7.129025	7.259411	7.123956	7.422074	7.246804	7.569014	7.355772	7.255553	7.321929	7.154142	6.888364	7.203016
ZNF721	ZNF721	11.13916	11.45675	10.1625	9.595232	9.325696	9.680147	9.061148	8.833686	9.162425	8.942862	8.254129	8.631918
ZNF74	ZNF74	8.772396	8.570428	8.00949	8.088074	8.001547	7.805543	7.629089	7.558602	7.731495	7.602557	7.345494	7.410667
ZNF740	ZNF740	7.250761	7.628799	7.468268	7.59197	7.600484	7.67296	7.319539	7.362083	7.254493	7.350975	7.182276	7.04138
ZNF749	ZNF749	6.927481	7.216898	7.032464	7.140129	7.085701	7.221851	6.963141	7.01888	6.992018	7.005323	6.892856	6.988553

ZNF75	ZNF75	7.780955	8.803429	7.473275	7.730459	7.801112	7.823952	7.822808	7.960595	7.839881	7.825624	7.464627	7.57345
ZNF75A	ZNF75A	7.970579	8.698351	8.064289	8.459208	8.241384	8.511382	8.176338	7.824104	8.136073	7.878154	7.348387	7.827701
ZNF76	ZNF76	7.435126	7.6867	7.512389	7.739845	7.546648	8.12744	7.876621	7.989545	7.708143	7.940063	7.536773	7.481478
ZNF765	ZNF765	6.806882	6.980692	6.862071	6.96125	6.875717	6.797752	6.823175	6.863503	6.86723	6.919813	6.786598	6.73419
ZNF767	ZNF767	7.68937	8.224274	7.918383	8.584234	8.663531	9.122745	8.939106	8.687635	8.653055	8.472414	7.937003	7.87688
ZNF77	ZNF77	7.520305	7.818173	7.492056	7.840453	7.761765	7.921632	7.478246	7.698451	7.557249	7.636525	7.595997	7.447117
ZNF781	ZNF781	6.980482	7.310309	7.096122	7.304892	7.176875	7.225002	7.069029	7.127802	7.051123	7.012705	6.868007	6.856165
ZNF79	ZNF79	7.046005	7.336579	7.153858	7.320974	7.34751	7.416825	7.140413	7.288793	7.308772	7.233192	7.006469	7.063691
ZNF8	ZNF8	7.135056	7.263469	7.030637	7.233245	7.05367	7.292245	7.112919	7.140103	7.008524	7.112803	6.999412	6.923248
ZNF80	ZNF80	6.975919	7.159285	6.808849	7.059551	6.922264	6.966337	6.950534	7.133436	6.877765	6.950366	6.840041	6.937741
ZNF805	ZNF805	7.994091	8.191182	7.899737	8.304246	8.125906	8.090546	7.990214	7.838602	7.826015	7.648985	7.449567	7.645396
ZNF808	ZNF808	6.851094	7.014058	6.832247	7.1231	6.855871	6.94524	6.841125	6.953015	6.904767	6.96574	6.788966	6.858393
ZNF81	ZNF81	7.144856	7.337272	7.104545	7.239601	6.952171	7.01878	6.774665	6.899852	6.997687	6.97907	6.843471	6.862495
ZNF83	ZNF83	7.982882	8.096594	8.46618	9.462168	9.548476	9.516474	9.358835	9.041177	9.119503	9.023561	8.374582	8.330533
ZNF85	ZNF85	7.427563	8.184681	7.760481	7.649784	7.467869	7.35572	7.088962	7.168147	7.07341	7.01993	6.762997	6.892217
ZNF90	ZNF90	6.924682	6.941474	6.79499	7.029838	6.893691	6.976631	6.818993	6.851775	6.819031	6.858942	6.730664	6.903089
ZNF91	ZNF91	8.383463	8.774186	8.204541	9.122706	9.29123	9.698911	9.19903	9.172885	9.42051	9.637158	8.811006	8.981697
ZNF92	ZNF92	7.078912	7.229743	7.054112	7.169651	7.09472	7.014739	6.917646	6.971974	6.906639	7.018189	6.783035	6.839183
ZNF93	ZNF93	8.238527	8.720432	8.288629	8.229172	7.922724	8.102311	7.949075	7.870482	7.948964	7.91173	7.586741	7.759878
ZNF96	ZNF96	7.061205	7.314663	7.155766	7.375459	7.417018	7.535397	7.178937	7.275068	7.19628	7.212763	7.090016	7.042632
ZNF99	ZNF99	6.976446	7.071793	6.865587	7.156688	6.939719	7.044037	6.997233	7.059896	6.898447	7.006281	6.867339	6.979367
ZNFN1A1	ZNFN1A1	6.935179	7.140742	6.992423	7.182257	6.996821	7.098383	6.92626	6.964257	6.911082	6.921034	6.853726	6.814316
ZNFN1A2	ZNFN1A2	7.098539	7.319929	6.972469	7.228336	7.101476	7.148983	7.020316	7.110861	6.995208	7.214749	6.939864	6.950574
ZNFN1A3	ZNFN1A3	7.186898	7.130984	7.02694	7.130844	7.158943	7.335109	7.144738	7.119022	7.126337	7.041941	6.962515	6.879977
ZNFN1A4	ZNFN1A4	7.964629	8.049778	7.676031	8.160625	8.27584	8.616819	8.443325	8.340738	8.402582	8.555149	8.092613	8.226275
ZNFN1A5	ZNFN1A5	7.818998	8.115783	8.184199	7.91368	7.799449	8.125379	7.574948	7.792503	7.75168	7.60211	7.806646	7.906193
ZNFX1	ZNFX1	7.943108	8.250448	7.744877	7.921167	7.858071	7.882361	7.981444	8.314007	8.089601	8.441807	8.458518	8.156616
ZNHIT1	ZNHIT1	10.39057	10.85177	10.37415	10.83531	10.94198	11.14211	11.11717	11.02017	11.15469	11.26266	11.16353	10.83107
ZNHIT2	ZNHIT2	7.597698	8.027104	7.397973	7.513858	7.423201	8.049386	7.632362	7.652568	7.70843	7.85063	7.729997	7.572544
ZNHIT3	ZNHIT3	10.9906	11.2384	10.81828	10.71064	10.68208	11.33627	10.79751	10.77331	11.00333	10.84222	10.54251	10.39747
ZNHIT4	ZNHIT4	7.373422	7.474828	7.166168	7.417447	7.514548	7.738071	7.48884	7.571698	7.576407	7.589621	7.413861	7.591341
ZNRD1	ZNRD1	9.047508	9.425941	8.831373	8.825374	8.884213	9.233739	8.610745	8.659208	8.773994	8.69795	8.653984	8.215202
ZNRF1	ZNRF1	6.984533	7.103126	6.818508	7.115553	6.942617	7.032042	6.924051	7.066053	7.039798	7.009179	6.848849	7.09311
ZNRF2	ZNRF2	6.960561	7.186518	6.820624	7.099488	7.118421	7.064585	6.960803	7.046243	7.013057	7.135765	6.976387	7.163992
ZNRF3	ZNRF3	7.843204	8.181117	7.994053	8.182428	7.961185	8.42341	7.986048	7.943515	8.010267	7.81062	7.60004	7.617663
ZNRF4	ZNRF4	6.811817	6.939046	6.748939	6.939587	6.863972	6.919129	6.823644	6.877225	6.83745	6.931074	6.737275	6.784134

ZP1	ZP1	6.905467	6.976706	6.880438	6.900638	6.933117	7.102913	6.893274	7.028717	6.794079	6.978091	6.913214	6.890137
ZP2	ZP2	6.832838	6.808727	6.776001	6.8958	6.891983	6.911159	6.765076	6.959031	6.820123	6.883854	6.679357	6.735981
ZP3	ZP3	7.808855	7.84539	7.622867	8.115586	8.045986	8.828801	8.229747	8.201741	8.24693	8.336629	7.785518	8.168894
ZP4	ZP4	6.771528	7.068359	6.821693	6.986164	6.929084	6.844737	6.868613	6.91813	6.845213	6.859523	6.832099	6.847208
ZPBP	ZPBP	6.918629	6.925565	6.709305	7.044775	6.949706	6.857747	6.916889	6.873065	6.762445	6.925815	6.674724	6.779397
ZPBP2	ZPBP2	6.858114	7.056896	6.814026	6.912395	6.866145	7.041323	6.885798	6.901923	6.846945	6.963306	6.756511	6.795281
ZPLD1	ZPLD1	6.811918	6.865039	6.734746	6.94421	6.725609	6.719874	6.694114	7.027511	6.883765	6.932955	6.911055	6.836369
ZRANB1	ZRANB1	8.393513	8.672767	8.332108	8.93092	8.496926	8.888615	8.338101	8.434998	8.421207	8.351477	8.019435	8.803463
ZRANB3	ZRANB3	7.075111	7.188561	7.044014	7.233372	7.149919	7.166873	7.069888	7.109875	7.017753	7.019176	6.910326	6.892343
ZRF1	ZRF1	7.20038	7.640581	7.101209	7.283234	7.046009	7.033352	7.040672	6.975983	7.155178	7.11065	6.974958	6.921961
ZSCAN1	ZSCAN1	6.941139	7.128011	6.757899	6.991393	7.000274	7.391645	7.239652	7.318453	7.473642	7.382761	7.552817	7.345586
ZSCAN2	ZSCAN2	8.493545	8.607383	8.018277	8.133533	8.122559	8.097819	7.862756	7.760228	7.84048	7.669301	7.495284	7.477249
ZSCAN4	ZSCAN4	6.911448	7.134412	6.822363	7.002175	6.961871	6.998211	6.758385	6.928235	6.895592	6.974503	6.80882	6.8847
ZSCAN5	ZSCAN5	7.904972	7.911659	8.141965	8.005732	7.649488	8.094579	7.595274	7.450902	7.5145	7.40902	7.340015	7.555484
ZSWIM1	ZSWIM1	9.585486	10.13691	9.179343	9.530638	9.325598	9.43212	9.181079	9.014228	9.311244	9.258958	8.659542	9.076078
ZSWIM2	ZSWIM2	6.863746	7.028761	6.831416	7.033136	6.942973	6.856461	6.90439	7.013692	6.856461	6.886882	6.752414	6.831051
ZSWIM3	ZSWIM3	7.189205	7.536011	7.022863	7.258245	7.220544	7.291561	7.157967	7.271796	7.179287	7.227772	7.164369	7.089177
ZSWIM4	ZSWIM4	9.560562	9.876653	9.310206	9.106167	8.709875	8.901391	8.372961	8.274732	8.41711	8.340068	7.939411	8.289992
ZSWIM5	ZSWIM5	7.557475	7.872844	8.020987	8.012429	8.095285	8.044866	7.601363	7.569716	7.579307	7.382952	7.110017	7.191005
ZSWIM6	ZSWIM6	9.248129	9.313645	9.920789	10.15108	9.566742	9.903789	8.912422	8.936354	9.051365	8.68669	8.872355	8.743672
ZW10	ZW10	10.72491	11.23829	10.74715	10.85773	10.48256	10.54315	9.915645	9.747366	9.736801	9.693714	9.339434	9.91936
ZWILCH	ZWILCH	10.04836	10.60866	9.792997	9.708428	8.977017	9.3139	8.641747	8.677671	8.615843	8.553661	8.310019	7.820089
ZWINT	ZWINT	8.904012	9.329568	8.996045	8.804041	8.376704	8.44977	8.131105	8.186424	8.062745	7.986577	7.583525	7.143764
ZXDA	ZXDA	6.981942	7.169059	6.849872	7.054154	6.975991	7.075781	6.93033	7.004604	6.892114	6.988334	6.889565	7.006268
ZXDB	ZXDB	7.644624	7.876177	7.196979	7.684293	7.567976	7.573259	7.389047	7.411842	7.508104	7.353649	7.455513	7.503605
ZXDC	ZXDC	7.370578	7.64121	7.258027	7.451643	7.341948	7.681639	7.274793	7.313886	7.178183	7.252307	7.082692	7.189408
ZYG11A	ZYG11A	6.902595	7.021283	6.764421	6.973614	6.859997	6.962624	6.83005	6.992027	6.842868	6.981548	6.748648	6.822185
ZYG11B	ZYG11B	10.24352	10.61942	10.31882	10.81351	10.83893	12.03614	11.17146	11.17885	11.05129	10.80948	10.6817	10.99856
ZYG11BL	ZYG11BL	7.453583	7.88446	7.442214	7.613823	7.80869	8.044808	7.747362	7.797602	7.797423	7.765239	7.6994	8.017084
ZYX	ZYX	9.725411	10.774	9.537212	9.852329	9.272644	9.915452	9.795712	10.35883	10.08699	10.34241	10.73223	9.907457
ZZEF1	ZZEF1	7.812006	8.138244	7.853867	8.197024	8.120153	8.716431	8.227734	8.413038	8.215866	8.410184	8.227884	8.195344
ZZZ3	ZZZ3	9.798717	10.35988	9.798378	10.29212	10.05694	10.09243	9.585065	9.469019	9.594728	9.34016	9.294764	9.442073