

Differential expression of mRNAs in penile carcinoma (PeCa) patients
based on Gene Expression Omnibus (GEO) (GSE57955)

	Normal-P	GSM1398	GSM1398	GSM1398	GSM1398	GSM1398	GSM1398	GSM1398
MMP12	0	6.612909	6.718562	6.454648	6.724399	7.132011	7.658542	6.610918
MMP10	0	6.739681	6.127266	7.076657	6.414739	4.650005	3.605813	5.702814
IL1B	0	5.636251	5.971234	2.923863	4.482976	3.737995	3.836989	5.115324
MMP1	0	5.957143	5.292026	7.004299	4.485206	7.112034	6.048159	6.53716
IL1A	0	6.450587	6.452155	1.333004	0.959716	3.016959	2.022568	6.105587
SLC28A3	0	5.499696	5.274775	2.804249	3.748734	5.034663	4.654078	2.204728
EPCAM	0	1.598785	1.217646	-0.18357	5.068729	0.867067	1.84082	3.918829
APOBEC3,	0	3.961002	2.37308	-3.99879	5.178681	0.287203	3.361382	-2.73024
NETO2	0	3.980066	3.864923	2.411335	3.768691	5.061846	5.689373	5.597213
RGS20	0	4.966387	5.200855	4.08729	3.411616	5.038112	2.942085	4.275708
CEP55	0	3.741441	3.127294	1.323542	4.561015	2.217194	2.737831	4.153787
SKA3	0	3.608089	3.562122	1.815181	4.964296	2.539238	3.365867	4.352294
CASC5	0	5.624783	5.259371	2.096622	5.148493	4.370483	4.883798	6.233823
E2F7	0	4.824142	4.32107	2.763137	4.576982	2.888618	3.69909	4.10736
CTSL2	0	4.86332	4.694069	4.890125	3.443599	4.219716	3.978781	3.814729
AIM2	0	5.461481	5.150473	5.619405	3.612923	6.895831	6.922597	5.761456
BUB1	0	3.751509	NA	NA	3.680553	2.891683	2.914854	5.054017
CKAP2L	0	4.481207	4.734361	1.921963	5.750085	4.471301	3.853621	4.45527
EREG	0	0.645997	3.896448	0.716144	1.378655	3.683268	3.041215	4.657869
MAGEA1	0	1.815229	8.816494	-0.05015	0.487297	-0.03833	NA	2.890754
TTK	0	4.174065	4.225199	1.620031	4.661054	3.412422	3.865737	4.659653
MMP13	0	7.380876	3.146744	6.617308	5.172396	4.363157	4.705944	3.980333
IL36RN	0	4.055173	4.401651	-0.08129	5.706915	5.563355	3.972066	-2.54251
KIAA0101	0	3.112382	2.709435	0.7128	4.196354	3.253666	2.711736	4.378516
CHEK1	0	4.242746	4.613892	1.677123	3.737655	2.217468	3.831895	4.680401
IL11	0	4.780146	4.639955	4.479291	4.598047	3.086904	2.281425	3.676122
PAQR5	0	2.571103	4.29984	0.173349	2.548342	2.700237	4.834181	3.806406
MMP9	0	4.832383	3.864115	5.441342	3.504946	4.354295	4.486608	4.648377
PKP1	0	3.412029	3.461	3.670283	2.658133	4.621565	4.277481	0.745337
DEFB103B	0	4.312083	3.774801	-0.05181	4.831589	5.12878	4.600466	-3.55424
CXCL13	0	4.21111	4.724389	4.104434	2.431454	6.467102	4.553523	4.917819
MUCL1	0	-1.16203	5.244912	6.523406	2.470679	3.658521	4.366673	-1.37635
SHCBP1	0	4.725061	3.806503	2.801168	3.819081	5.140676	4.764909	5.18466
SPC25	0	3.013441	3.010468	0.734249	4.553557	1.934432	2.335329	3.740632
CDCA2	0	3.788709	3.018579	0.755446	3.846456	2.526167	3.02177	4.039932
SLC7A11	0	4.240822	3.421598	0.713866	3.407083	1.079595	2.960854	1.806619
NCAPG	0	3.530769	3.576927	1.510199	4.308455	2.872062	2.475341	4.192183
AREG	0	3.788426	4.557954	2.143081	2.015794	2.151694	1.602194	3.427806
BNC1	0	3.171401	3.617222	2.430466	2.79216	3.031468	2.032273	3.326291
KIAA1199	0	1.783713	1.587967	3.755384	2.212985	2.951596	3.371596	3.727226
FERMT1	0	3.86971	3.634536	3.932033	3.516439	4.068254	3.259805	2.195314
C19orf21	0	4.567609	4.641898	3.637164	0.44048	-0.03353	-0.01201	3.894841
ASPM	0	4.235231	3.219843	1.552788	3.953747	3.10736	3.259804	4.717404
C1orf135	0	3.28007	3.236604	1.295813	4.055187	1.719144	2.481716	3.451095
CCL20	0	5.023903	4.842376	0.766592	0.874002	2.281903	2.74127	4.861097
TNF	0	3.966678	4.712921	2.581107	2.891926	4.786183	3.456919	3.869494
EPGN	0	0.339681	2.707604	0.460691	3.300068	1.871612	1.357465	1.216654
HMMR	0	3.013652	3.226551	0.949497	4.353378	2.219216	1.699453	2.976169
SPRR2D	0	4.050703	3.850064	0.834645	4.623928	5.958791	5.866177	-4.87176
CDK1	0	3.804846	2.909205	0.910331	3.808625	2.742645	2.740605	3.871737
ERCC6L	0	3.656541	3.366355	0.628774	5.057144	3.450354	4.250788	4.448796
PPIF	0	3.678312	3.444607	0.838091	3.621071	3.663784	3.124805	2.457655
ARHGAP1	0	3.76623	4.518379	1.480825	3.43355	4.021399	3.735781	4.535386
RAD51	0	3.803466	3.102665	0.75804	3.911355	2.261677	2.496081	3.799839
DLGAP5	0	3.892326	3.579734	2.17384	3.677787	3.088811	2.873816	4.227015
UHRF1	0	3.125969	3.244411	0.713132	3.507326	2.628252	1.638894	3.102164
TCHH	0	2.766966	0.705902	4.187515	5.607807	1.869158	4.860864	3.821539

FOXM1	0	3.911336	4.019209	2.694107	3.237008	2.949181	4.444229	4.372987
KIF11	0	3.811572	3.007662	1.251416	4.080872	2.346194	2.52925	4.220843
LAMP3	0	2.38121	1.621752	3.335039	5.371984	4.015745	4.702067	2.909711
IFNE	0	5.706525	5.326922	3.833925	4.138987	5.19589	5.093189	5.71931
CYP24A1	0	5.889035	3.700633	-0.09892	5.734106	4.277201	4.967395	4.642176
CYP27B1	0	4.105838	3.990535	2.052488	2.869709	4.346927	2.735251	4.4893
BUB1B	0	4.448074	4.632694	2.731114	3.2374	4.454511	3.486753	5.301231
TPX2	0	3.884102	3.727015	1.627544	3.774234	3.584031	2.736602	4.106399
BIRC5	0	2.717904	2.694432	1.07977	3.622851	2.619687	2.710121	3.467469
SLC47A2	0	4.00589	-1.13423	1.36784	4.968211	-0.28959	NA	1.850343
FAM64A	0	3.014866	3.38513	1.080535	4.148212	2.569996	1.319461	4.567198
FSCN1	0	4.110114	3.716837	3.06354	3.048804	4.626734	3.212232	4.093109
LCE3D	0	5.008071	3.772531	2.105612	3.337932	5.873606	5.331092	-2.8117
VSNL1	0	1.588991	2.043567	1.062571	3.866918	1.429981	2.1651	-0.83668
TNNT1	0	4.10403	3.56356	3.079452	3.985184	3.953458	3.278901	4.253135
HAS3	0	3.330026	3.716915	1.38469	2.576049	4.404021	2.908609	1.51011
LMNB1	0	2.146733	2.300616	1.341167	4.706349	3.035285	3.108109	4.096804
MELK	0	3.746207	3.290631	2.011504	4.724361	2.202586	3.149904	3.700647
CDC6	0	3.804333	3.013969	0.919537	4.182404	3.025105	3.134152	3.553576
KRT17	0	3.692027	3.140964	3.172925	3.695589	3.8055	3.376269	3.154039
CDCA5	0	3.203839	3.211292	0.83322	1.963883	3.078026	2.721786	3.492433
KIF20A	0	3.609107	3.500924	1.89736	2.939446	2.954315	3.090224	4.093241
KIF18A	0	4.269347	4.098491	1.222441	3.753818	2.907246	3.22615	4.189868
DTL	0	3.871541	2.840313	1.697185	4.307876	3.090333	3.32018	4.069435
UBE2T	0	3.503274	3.026935	1.503296	4.082815	3.010753	NA	3.284341
KRT75	0	4.384257	4.315979	1.604322	3.296398	4.647197	4.5474	2.059117
IL12RB2	0	4.761481	1.96465	0.792253	5.171529	5.146231	3.750088	4.089967
IL23A	0	5.848652	3.86262	0.63975	3.338605	2.666113	3.608418	1.735837
MCM10	0	4.258872	3.106043	0.827548	4.095566	3.517745	3.414371	3.41025
OASL	0	3.511916	4.094153	4.250829	4.039212	4.676232	4.324752	3.286895
SKA1	0	4.200741	3.729111	0.155931	3.641333	2.72592	2.739355	3.584997
LOC10065	0	3.041816	3.24068	1.00239	1.798944	4.941021	5.02622	2.374739
LAMC2	0	3.434647	3.162121	2.671577	3.612733	2.676772	1.902667	3.113968
SPINK6	0	3.407125	3.142331	3.000721	4.768989	1.342756	2.796044	2.658683
KRT33A	0	3.564371	3.251005	1.34465	2.936108	3.123358	2.594749	2.101207
CDCA8	0	3.32376	3.580121	1.139189	3.670768	2.756071	2.694917	3.788332
CA2	0	1.260937	2.806315	0.595116	2.790207	2.148889	1.233616	2.278943
KRT16P2	0	3.699113	3.158665	4.002409	3.328765	4.423802	3.733418	2.768602
CCNA2	0	3.006934	3.025281	0.741417	3.380356	2.647832	2.375933	4.246802
C16orf59	0	3.558886	3.5544	1.713888	3.687961	3.222125	3.676809	4.239422
KIF18B	0	3.051738	2.776302	0.167894	3.955234	1.765681	2.444579	3.530234
CDC45	0	3.488196	2.920763	0.857775	4.065499	3.142333	2.958976	3.997548
PBK	0	NA	1.868667	0.501829	2.945082	1.308454	1.783528	2.442959
HMGB3P1	0	2.929179	3.138384	2.063019	3.548974	2.946496	2.790934	4.000665
CCNB1	0	3.199825	3.593722	1.193122	3.235739	2.452794	2.969571	3.962309
GAL	0	4.66426	1.732256	0.899002	2.208004	1.654476	1.1264	1.227266
CENPF	0	3.954959	3.778277	-0.08738	4.146672	2.829627	2.97222	5.174647
NEK2	0	3.141061	3.038941	0.742594	2.76455	2.239634	2.773435	4.171897
HOXC13	0	3.185534	3.132126	4.336663	3.578198	3.088248	3.824595	2.840668
TUBB3	0	3.314663	3.200837	2.611014	3.55553	1.819821	1.166394	1.936505
TK1	0	2.956854	2.23261	0.084049	4.236601	2.174915	1.926658	3.311083
CCNB2	0	3.195534	2.830934	1.119108	3.633496	2.927106	2.427868	3.680179
WDR66	0	3.776748	3.414319	2.743597	3.054607	3.279298	3.214638	3.877277
DEPDC1B	0	3.077362	3.027577	0.48679	2.713216	2.732114	2.373496	3.87453
ESCO2	0	2.207349	1.143278	0.358786	4.569264	1.133907	2.198803	2.243965
CXCL3	0	2.147806	4.912202	-0.09094	1.332188	1.805087	1.814085	1.81975
NUF2	0	4.130534	3.159444	0.981422	3.650448	2.753747	NA	4.240544
GTSE1	0	3.478544	NA	1.958588	3.411725	4.079905	3.428278	4.022425

HMGA2	0	4.181778	4.760665	-0.13049	2.400008	-0.04815	-0.11577	3.736971
CKS2	0	3.262456	3.615817	4.946715	3.612402	2.544623	3.118541	3.699094
GSG2	0	3.35899	2.661177	0.391161	4.37615	1.620584	2.116045	3.737637
AGMAT	0	3.252168	4.790244	1.144544	NA	2.649066	3.117429	4.231691
KREMEN2	0	5.374943	3.813755	1.535297	3.355466	3.420797	4.391645	3.133658
KCNK10	0	3.452741	-1.03946	4.102075	2.653137	4.360711	4.759018	-2.02935
C6orf105	0	2.475669	2.066389	1.46355	2.452147	2.007862	1.335587	2.619957
DEPDC1	0	3.345306	3.790908	2.661968	3.220444	2.758039	2.92087	4.463791
LAMB3	0	3.450196	3.128697	2.357736	2.648011	2.810329	1.875139	2.158557
KIF14	0	4.722664	4.186838	0.265246	4.252272	2.322426	2.52929	5.00781
GJB2	0	2.480668	2.364491	3.681809	1.016598	3.450227	2.926171	1.144667
KRT79	0	4.0802	4.140724	0.813531	1.387135	2.857477	2.953879	0.583647
OIP5	0	2.705518	2.442287	-0.08208	3.515581	1.889556	2.318997	3.740922
CDC25C	0	3.576758	4.459672	0.876726	3.121438	4.069064	3.207867	4.546357
GBP5	0	2.211532	4.192583	2.963177	3.849638	5.708436	3.365524	4.056015
B3GNT5	0	3.37873	3.517292	2.076818	1.812979	1.717445	1.427446	2.941213
STON2	0	4.102813	4.117673	3.547711	2.469499	3.873202	2.636602	3.064614
EXO1	0	3.089833	2.72493	1.529963	3.833184	2.852883	2.684009	3.305805
MKI67	0	3.927579	4.054242	-0.07739	4.398578	3.221012	3.641928	3.977472
PCSK9	0	1.473144	0.29144	1.730452	3.971641	4.117571	1.470462	4.07508
DHRS2	0	3.958981	3.525507	4.921601	4.593035	0.809714	0.390392	2.482698
ZWINT	0	3.046219	2.364811	0.781752	4.192125	2.444012	2.96187	3.550926
FAM83B	0	2.182599	2.014422	2.379446	2.277917	1.308247	0.846127	2.931963
TM4SF19	0	2.894333	3.030836	2.68546	3.062542	3.261223	3.010103	2.767418
KYNU	0	2.517731	3.182903	2.840681	1.766633	3.41564	3.860197	4.522105
FAM111B	0	3.07431	3.019679	-0.08195	3.531733	2.792427	3.359003	4.79401
ORC6	0	3.605297	3.010786	0.618866	3.87446	2.808727	2.182212	3.962077
E2F8	0	1.969849	0.246511	-1.1507	4.278414	1.19917	1.4862	2.63103
DSC2	0	2.133228	2.173534	NA	2.09165	2.117499	2.114351	-0.35249
MAGEA4	0	0.189931	4.492873	4.192215	0.631749	5.121359	4.711309	5.040808
SLC7A5	0	3.189395	2.889846	2.969461	2.422033	2.940787	3.474216	3.869657
SCD	0	1.967348	3.709527	1.269642	2.716772	3.755935	2.067255	3.445695
S100A12	0	3.342891	2.627228	-1.18809	3.678476	1.882193	3.374364	-1.92333
SERPINB5	0	3.2226	3.408879	1.297792	NA	1.405661	1.458124	0.479103
KIFC1	0	3.440762	3.010251	2.718438	3.198497	3.210914	3.250655	3.759426
ITGB6	0	4.61535	5.181475	2.469858	-1.53802	3.944897	1.908774	5.126613
HSD17B2	0	1.876063	1.577164	-2.28139	3.533404	0.920342	4.708265	4.444861
GALNT6	0	3.290916	3.189362	3.212624	2.116257	3.430605	2.749549	2.981111
ARL14	0	4.113339	2.34295	2.238311	-1.56605	4.415992	2.988474	2.246489
GSDMC	0	2.896667	3.508869	1.429632	3.200293	2.993109	1.05554	0.921969
LYPD5	0	4.017271	2.599986	-1.44003	4.097726	3.849769	2.992325	0.642917
FOXE1	0	1.930381	0.767207	1.80412	4.144699	2.706057	3.609416	1.325282
TGFA	0	2.920547	3.463269	2.208572	1.494444	1.431524	2.440485	1.817033
PGBD5	0	4.228022	2.358611	1.096481	3.236027	4.688676	4.84573	4.272676
GINS2	0	3.270587	2.67746	0.750313	3.674668	2.672761	2.871178	3.554434
MCM4	0	3.299708	3.430026	2.176232	4.138871	3.131063	3.013374	4.368214
NCAPH	0	3.5008	2.746438	1.316697	2.765764	2.750253	2.523161	3.622905
OAS2	0	1.647918	4.643121	2.355813	4.006881	4.22029	3.562308	2.539943
HPSE	0	1.080715	1.870545	1.44281	3.430238	2.268052	3.962055	1.609227
DSG3	0	1.782152	2.264659	1.796594	2.796871	1.479859	1.648848	0.246428
SNX10	0	2.034205	2.489259	3.896964	0.935134	4.736614	2.202088	3.242583
FANCA	0	3.667498	2.744034	1.458245	3.63806	2.722304	2.809805	4.406626
KLHDC7B	0	1.947685	3.228089	2.269885	5.224629	4.339474	3.320942	4.864443
HN1	0	1.846508	1.829329	1.183272	2.513757	2.147241	1.758488	2.135971
KLK5	0	3.821032	3.524666	2.432698	2.930611	3.883793	4.200117	1.165726
AURKA	0	3.272269	3.137591	NA	3.305237	2.666623	2.802944	3.67151
RRM2	0	3.165241	2.831089	0.800865	3.26703	1.646074	1.555719	3.026069
GPR87	0	2.515279	1.844626	2.523825	1.69872	2.084227	2.142905	2.088678

MAGEA2B	0	0.217043	0.910926	5.027157	0.361038	-0.05465	-0.10424	4.688609
RAD54L	0	3.179623	2.862762	1.03807	3.475913	2.722241	2.434765	3.2153
WNT3A	0	2.772241	2.197072	1.889713	2.77592	2.58916	2.955619	2.390184
CENPE	0	3.352046	3.178771	2.084856	3.09228	2.862015	2.702308	4.155768
GALNT3	0	2.043181	2.341354	1.044327	1.925786	0.797056	NA	2.189994
ODZ2	0	3.896873	3.347666	2.897126	2.821472	3.088105	3.257343	3.419447
WNT10A	0	3.533759	2.07775	2.987779	3.140353	3.546092	3.403849	2.122403
TDO2	0	4.109333	4.162544	4.974869	1.770825	3.207904	2.905315	4.293092
KIF4A	0	3.35836	3.152898	1.810615	3.594163	3.015137	2.828787	3.854823
SLC26A9	0	-0.24712	2.441238	-0.16198	4.672449	4.841522	6.920855	2.493656
IDO1	0	2.959596	3.409871	5.103865	3.368012	5.912444	5.5759	4.394457
PTHLH	0	3.677336	3.520934	2.738873	3.117939	2.215425	0.014283	2.95925
C3orf52	0	1.945995	3.30986	2.320848	3.08705	1.660579	1.153291	2.691129
CLCA2	0	2.075252	1.558026	1.813329	1.385698	2.305704	2.298215	1.332068
C11orf82	0	3.507696	3.067308	0.823487	3.420546	1.468201	2.832311	NA
VNN1	0	2.361418	4.122129	1.812867	0.645306	6.623489	5.7153	3.816498
FABP6	0	2.183846	3.061658	NA	-0.14545	4.914552	4.201895	3.665011
PTTG3P	0	3.289806	3.294707	0.760052	2.64375	2.271794	3.183714	2.55599
MAL2	0	3.990774	2.434201	1.330609	2.028577	1.886633	2.077797	1.136744
MND1	0	2.795813	2.652139	0.967245	3.704635	2.158897	2.464366	4.153535
DIAPH3	0	3.844436	3.536201	1.570041	3.464523	2.191296	2.507451	4.306975
ADAM12	0	4.697488	3.45843	6.881304	0.431732	4.702801	2.900541	3.410498
PDPN	0	2.317208	3.453084	1.500605	1.71058	1.249945	1.663456	2.204944
LCE3A	0	2.438587	2.006528	-0.54835	3.734076	3.990517	3.775423	-0.95597
NDC80	0	3.822041	3.556519	-0.10375	3.697088	2.398105	1.678335	3.623894
FAM83A	0	4.912974	4.457085	3.792771	0.194328	2.817799	2.771634	3.258523
CLSPN	0	4.496961	2.128781	NA	4.384464	1.291389	3.774901	4.250561
TNFRSF21	0	2.775288	2.004898	1.852193	2.308803	2.729188	2.785422	0.555365
ANKRD5	0	1.033658	3.205867	4.845283	2.555706	3.650723	2.399405	2.088822
PMAIP1	0	2.530306	3.640004	1.619207	2.386664	0.855678	1.595477	0.528081
C6orf10	0	5.036868	0.004415	3.603222	0.025592	5.360287	4.519015	0.110837
KRT73	0	3.589466	3.399792	-0.1433	1.692707	0.644139	0.897416	2.580774
LPAR3	0	2.271078	2.882451	1.081466	1.803224	1.421323	1.187589	0.92604
SPAG5	0	3.461648	2.947525	1.667221	3.320891	2.839778	2.436331	3.918324
ARNTL2	0	2.234165	2.402322	0.825084	2.260176	1.642013	2.340392	1.966182
POLQ	0	3.644246	2.717706	1.899335	3.32419	3.149846	3.428633	4.57276
ALPK2	0	5.221819	2.132241	3.670639	2.411585	2.725674	1.967635	5.663944
C9orf140	0	3.574383	3.355509	2.965691	3.567053	3.257163	3.09849	NA
C15orf42	0	NA	2.837022	0.073986	2.9971	3.114865	2.529367	3.53138
KRT6C	0	3.768281	3.366226	2.878253	1.542215	4.175879	3.423485	1.595731
ONECUT2	0	2.557218	3.615285	2.349528	5.333414	2.893765	4.608609	5.052841
SAMD9	0	1.056274	3.648737	2.725187	1.591584	1.974526	2.751069	0.519088
AP1M2	0	3.80248	2.832977	2.341332	2.196541	1.753609	3.293784	2.200439
PTTG2	0	2.904967	2.97315	2.145043	2.973476	2.768982	3.223497	2.814951
NUSAP1	0	2.45994	1.949984	0.258803	2.872864	1.877418	1.480576	3.162608
EPN3	0	0.46587	1.534648	-0.7829	2.671721	1.430307	1.011565	-0.88168
KRT37	0	4.546849	5.076711	-0.14069	1.515348	1.018717	1.262283	0.116428
ZBTB32	0	3.063276	4.857543	1.683291	2.876569	4.134899	4.434666	2.784046
KIF23	0	3.018651	2.696294	0.94926	3.02502	2.014179	1.77808	3.575574
IRF6	0	3.022617	3.204701	1.96587	2.078861	2.050144	2.095675	2.51087
TRIP13	0	1.808934	3.625646	-0.15854	2.847615	1.578566	2.64072	2.972179
GPR115	0	3.284554	3.518165	4.267088	1.642907	4.085337	3.46838	2.615693
C1orf172	0	1.331853	1.908342	0.882711	2.575832	1.221846	1.419136	1.652943
PAQR4	0	3.41922	3.621372	1.674088	2.662323	2.892689	2.804793	2.949467
ATAD2	0	4.682724	2.988925	1.178599	3.734178	2.034463	2.486094	4.247514
SPC24	0	4.340462	3.224844	2.034896	2.777443	2.518336	3.609885	3.528419
F11R	0	2.456604	2.585481	3.445766	3.094954	2.671928	2.537609	3.067253
SNX5	0	2.894476	2.897384	0.793404	1.073164	1.748189	1.236685	1.34549

BLM	0	2.97211	2.95856	1.673674	3.439696	2.543589	3.348337	3.727302
KIF15	0	3.250363	3.086701	0.622045	2.807964	2.282682	1.730593	4.06542
FGFBP1	0	1.363018	1.875549	0.138351	2.229563	1.409986	1.625618	3.339075
CKMT1A	0	2.663856	2.307601	0.690997	3.50367	2.611651	2.69958	NA
ESRP1	0	2.435464	1.94972	1.372819	2.349392	2.154482	0.716812	1.72278
FAM83F	0	3.041592	3.249516	2.049942	2.200593	2.689856	2.175645	1.802766
MAD2L1	0	2.130613	2.561934	0.053061	2.865726	1.257186	1.793382	3.141935
TYMS	0	2.985017	1.641535	0.542713	3.347755	2.170282	2.521634	3.89809
FAM40B	0	3.899396	3.497116	0.953556	2.589125	1.254901	3.626581	4.005135
TP63	0	1.735875	1.171625	1.524056	3.342264	2.456813	2.016237	1.226818
RSAD2	0	0.167534	4.365668	3.999514	3.452994	4.440724	4.259072	1.914908
TMEM92	0	3.386399	2.828839	1.546191	2.254136	2.977905	3.883321	4.111831
GJB5	0	2.587018	3.069792	1.902166	2.097134	2.288302	2.200153	1.494131
GPRIN1	0	2.508546	2.492279	2.538543	2.943217	3.13328	1.775347	2.62193
GGH	0	2.746067	2.550155	2.448125	2.668424	1.826849	1.534564	2.088848
LHX2	0	2.364486	3.327637	1.613681	3.03514	4.140565	6.206733	2.86671
WDHD1	0	3.182085	2.56383	1.621988	3.604809	2.158099	2.254604	3.647143
CDT1	0	3.437641	2.736477	1.492112	3.664329	2.634989	3.04511	3.113731
ERO1L	0	2.547924	2.823272	1.235858	0.719457	1.450291	0.91493	1.194543
ANXA8L2	0	2.892778	2.527451	2.818631	1.394348	2.556719	2.566201	2.719373
UTS2	0	0.764758	0.2923	0.785488	3.934285	4.401685	1.500646	1.908624
PLK1	0	2.913782	2.686766	0.771049	3.268737	2.130192	1.788289	2.65336
NRG1	0	3.483006	2.908996	2.694913	1.619727	2.552988	2.529307	1.431964
BORA	0	2.859002	2.851021	2.004621	3.194102	2.583841	2.61426	4.401439
DSC3	0	1.88205	1.950857	2.228395	2.654898	1.410996	1.916553	1.353853
EPPK1	0	2.879525	2.28403	2.391408	3.295372	1.569653	2.438664	2.543333
CDCA4	0	3.310624	3.209032	1.039099	3.207089	1.449682	2.795606	2.930779
SFN	0	NA	NA	1.996658	2.42959	2.766101	2.435518	2.055254
IGF2BP3	0	4.552757	4.323164	3.990402	0.7521	0.811987	3.682008	4.583096
SLC5A10	0	3.824778	2.076865	NA	4.300756	1.832902	1.93383	1.803197
ULBP2	0	2.67606	2.484155	2.083776	1.755267	2.400961	2.672275	2.797315
HJURP	0	3.739069	2.983553	1.82529	2.725559	3.919322	4.338048	3.39677
C1orf106	0	2.572258	2.570695	2.17741	2.035173	2.649148	2.310933	1.971476
ZBED2	0	1.247268	2.511913	0.072536	0.616263	0.224007	-0.44398	-0.82125
CDKN3	0	1.581535	1.423417	-0.73139	3.20961	0.922344	0.80722	2.059181
ICOS	0	3.312465	2.997539	2.520197	2.673339	4.619621	4.443673	3.49172
MLF1IP	0	2.126116	2.449509	1.766319	3.328231	1.536548	2.05907	3.616539
PLK4	0	2.705114	2.884281	1.314735	3.294309	1.680669	3.316807	4.232756
CARHSP1	0	2.681428	2.575903	1.378369	2.661091	3.073879	2.856203	2.558136
PHLDA1	0	3.236142	2.293627	0.469165	0.191732	NA	0.886141	0.904997
EZR	0	2.867993	3.051232	1.888692	2.235886	2.719146	2.491964	2.387892
CSAG2	0	0.182871	3.611839	4.166868	2.891155	2.85863	0.770079	3.319906
ASCL2	0	2.258608	0.774898	0.670917	3.855629	1.562273	2.092181	0.146796
HRASLS2	0	2.503246	2.004166	1.139816	3.185542	-0.85402	2.123278	1.528238
FBXO45	0	3.040966	2.656059	0.942811	2.767356	2.788156	2.420587	2.503397
CENPK	0	3.579582	3.599469	-0.13095	3.853751	1.295058	2.536479	4.756855
WFDC12	0	-0.3512	2.402366	-0.29286	3.818318	1.807497	3.496723	-2.4259
PITPNM1	0	3.653157	3.293467	3.159739	2.094663	4.162674	3.428627	3.217898
LOC1005C	0	4.753345	5.407579	4.402737	NA	5.301918	2.652465	4.745155
TUBA4A	0	3.335065	2.55223	2.137053	1.239083	3.358552	1.920912	0.627704
PCDH7	0	NA	0.933761	0.358715	3.186439	1.251344	1.016975	3.778471
PCSK6	0	1.326434	2.126403	-0.11717	4.353661	1.806535	1.101762	1.680664
LOC1005C	0	4.765243	3.45921	-0.07597	3.726135	-0.04175	1.65032	5.943043
LEMD1	0	3.540602	4.259688	2.642553	3.143197	-0.05374	3.074156	1.211399
IL24	0	2.064563	NA	0.196122	3.253949	2.31796	1.988623	3.210297
SERINC2	0	3.028659	NA	1.66529	0.991701	2.94026	2.758933	2.945073
KLK8	0	1.235641	1.784743	1.23801	3.838973	1.696636	3.442697	-1.72073
STK17A	0	2.814997	NA	2.84736	1.772778	1.402704	1.901852	2.343354

FXYD3	0	1.19996	2.830376	2.947067	3.0869	2.858264	2.431582	1.547595
TREM2	0	2.76355	2.869567	2.634132	2.76174	2.92093	2.79452	2.497846
GJA3	0	2.609711	0.026419	2.25731	3.984945	2.880731	1.983575	3.462489
LOC1005C	0	0.466145	1.238841	3.078031	2.683024	2.32496	1.868163	-0.13888
PERP	0	2.140256	1.495969	1.986318	2.284536	2.451069	1.873953	0.276422
FOSL1	0	2.568081	3.316471	0.870094	1.621022	2.51411	1.15405	1.728494
PSD4	0	3.028795	3.199283	1.830355	2.078033	2.898226	2.63089	2.051672
NGGT1	0	4.36924	4.09425	2.213885	3.98028	-0.03815	3.910391	-0.42563
LOC1005C	0	2.51637	3.326055	3.260932	-0.23018	2.958705	2.782679	2.773727
MICALCL	0	2.156179	2.435824	2.112874	2.315897	2.641937	2.149539	2.046822
LY6K	0	2.780949	3.14959	2.650084	3.181112	2.379946	0.837997	2.364689
ORC1	0	3.977598	3.239408	-0.08456	2.942731	2.8995	3.728891	4.099215
STIL	0	3.952544	3.326244	-0.1059	3.902767	1.500548	1.625427	3.869201
AJUBA	0	2.707391	2.159943	1.996049	3.291725	1.934983	2.421891	2.491602
HCAR3	0	2.597306	0.850927	-0.0361	0.877581	0.015091	0.755074	-0.25117
ZNF587	0	2.956987	3.304926	1.796153	2.94222	2.499924	2.382528	3.222764
CXADR	0	1.728234	-0.61161	2.720078	1.385242	2.273165	1.732394	1.957749
WNT7A	0	3.004573	4.380191	1.02645	1.455102	3.693822	3.170569	0.989056
TFAP2C	0	2.683509	2.768011	2.167525	2.376504	2.81727	1.798926	0.860587
ADAM8	0	4.221271	3.156257	1.214139	2.3645	1.396892	2.634295	3.410033
RAB27B	0	1.458059	2.385315	2.731286	2.167102	1.475231	2.771777	0.548743
TRMU	0	3.025443	3.398802	0.972885	2.645693	3.208854	2.659778	3.359801
FLRT3	0	2.660941	3.814389	NA	2.09083	3.355786	NA	2.019559
FAM176A	0	2.559706	4.494751	4.393795	0.588307	1.36003	0.596058	2.371235
MAP7	0	1.360753	0.11943	0.39028	1.936641	1.226209	0.614122	1.077263
HIST1H1B	0	3.177435	2.791469	1.474063	2.85053	3.127813	2.040966	NA
TMEM154	0	1.11343	2.406414	2.024703	1.542477	3.268617	2.298017	2.145549
ACP5	0	2.710388	2.771661	3.122615	1.717266	2.84291	3.081334	2.266898
PTTG1	0	2.490602	2.384723	NA	2.522536	2.348246	2.815107	2.472726
EPST11	0	0.923438	3.339039	4.712198	1.207324	4.717098	3.452043	3.372828
GRHL2	0	1.829628	0.36954	1.77188	1.584935	1.382296	1.161057	1.191842
HES2	0	2.662446	2.974762	4.363274	1.849605	2.511324	3.477756	3.081858
DUSP14	0	3.101441	2.425839	2.003422	2.398177	3.301782	2.095076	1.487424
PRPF19	0	2.183571	3.208844	2.65178	2.284673	2.597448	2.778914	2.453329
KHDC1	0	2.770305	1.854029	1.295556	2.199407	1.620211	2.496476	3.80553
CD47	0	2.832866	2.546121	1.586729	2.17254	2.252969	2.022396	1.2265
SDR42E1	0	1.996388	2.705875	1.852895	3.461342	2.861207	2.604464	2.697444
TACC3	0	2.399462	2.667751	1.388842	2.451551	2.734041	2.361368	3.193668
TNS4	0	1.927533	1.665238	1.117801	2.340205	1.751228	0.646524	NA
TRIM14	0	1.405758	3.001742	3.480778	2.413112	3.286285	2.850204	2.215198
IL2RA	0	2.184445	3.346834	2.089039	NA	3.123585	1.852666	1.92752
LRRC8D	0	2.06296	2.326149	2.175411	2.492937	2.70782	3.415704	2.783111
SLPI	0	2.087937	2.543343	0.2709	1.465611	3.248775	3.520598	0.091453
ATP2C2	0	3.691533	3.328161	2.148824	2.973185	1.74489	3.543334	2.808951
IFNG	0	0.213019	1.700665	-0.08712	4.088171	2.931146	2.244828	3.362034
MREG	0	1.548893	1.953398	1.377886	1.250171	2.46421	1.943286	1.218159
SLC6A2	0	2.656252	0.557786	2.22799	3.352686	3.627003	2.933215	3.290463
CDS1	0	1.462279	1.754227	1.207065	1.069618	2.157683	1.569471	1.499774
KRT8P41	0	2.740509	2.452805	2.460025	1.123029	3.524905	2.926559	1.623478
ABCA12	0	2.253091	2.112475	1.965306	3.0316	3.979191	3.98024	-4.74469
DNAH17	0	2.892171	3.803281	-0.11554	3.734715	5.126134	1.564512	4.11836
DUSP7	0	1.467417	2.617898	-0.75235	1.520277	0.44023	0.60109	0.504204
RMI2	0	4.018164	2.546041	0.883765	3.571166	2.856476	2.544358	4.17734
DPP3	0	3.070411	3.609765	3.225113	1.488792	4.00908	3.366859	2.892254
COX6B2	0	2.95393	2.128752	0.9139	3.221371	1.467212	1.123747	2.034222
GNA15	0	2.254866	2.968683	1.933169	1.268594	3.209395	1.803988	1.991569
ACOT11	0	0.977243	1.675544	0.392808	2.389745	NA	1.2711	1.412311
ISG15	0	2.398452	3.381774	3.363097	3.017521	3.273721	2.829591	1.755869

TRIM59	0	2.416552	1.483873	NA	2.054199	1.635735	1.499818	3.061568
PKMYT1	0	2.947145	3.053456	1.472579	2.890982	2.961509	2.869529	2.877607
PLAC1	0	4.346592	4.054458	1.66085	3.463936	-0.04293	2.932786	4.756941
DCBLD1	0	3.207935	3.766513	3.926781	1.787836	3.775539	1.853628	2.663933
CSF2	0	3.149612	2.87417	-0.12239	2.723901	0.66073	1.976896	2.792458
TYMP	0	2.270408	3.040144	2.869308	2.761666	3.455906	3.28569	2.337229
PTPN2	0	1.334639	2.397395	NA	2.614754	1.805042	1.615171	2.277732
C9orf100	0	2.041528	2.611143	0.108997	3.793177	0.794507	2.567795	3.316001
GIN51	0	3.914642	3.458762	NA	1.39576	1.483173	2.995761	4.616488
SOCS7	0	3.360517	2.893592	-0.18648	2.629704	1.732341	2.515827	3.7007
SLC2A9	0	1.433851	3.197983	2.285577	1.488442	2.25956	2.015069	2.536966
TMED9	0	4.040268	4.081165	3.792153	1.088331	3.7139	3.845936	3.267131
C1orf74	0	3.272842	3.385729	2.607218	1.810632	1.27192	1.806578	2.300974
CENPO	0	3.451181	2.618715	1.283249	2.345152	2.836045	3.343278	3.534589
PPP1R14C	0	2.473206	2.702344	1.260428	1.083453	2.272225	1.347675	0.193171
USP43	0	2.669603	2.034691	0.875636	1.931541	1.199365	0.947955	1.549377
ENTPD7	0	3.102305	2.012922	1.395585	1.210488	3.187102	1.285288	3.265302
HOOK1	0	2.379082	2.542355	1.885334	2.259599	2.06486	1.73799	2.054586
CBLC	0	4.131616	3.314566	0.736638	2.741721	1.815467	2.744222	2.430734
ERVMER3-	0	4.333386	3.793287	-0.08414	4.529353	2.814699	3.389093	4.251312
C16orf74	0	2.600575	2.930786	1.232495	2.137942	-0.23753	2.540849	2.58852
KRT80	0	1.849938	0.540679	-0.53521	3.313185	2.081941	2.449558	-2.44406
MICALL1	0	2.940453	3.157335	2.824878	2.024696	3.088795	3.151038	2.225036
RACGAP1	0	2.947563	2.406708	1.003242	2.616815	1.68508	1.968663	3.143413
CDH1	0	0.987797	1.383367	0.052468	1.811262	0.380747	0.737166	-0.30725
EMR2	0	2.880334	3.137557	3.505397	1.619777	3.186298	3.664156	3.236074
RAB11FIP4	0	1.577002	0.090963	1.83415	1.868262	2.090999	2.334812	1.149561
RCC1	0	2.024596	2.730299	1.597977	2.223862	1.800488	2.371602	2.797205
LOC10065	0	4.248361	4.076013	-0.06277	3.310056	1.203817	1.395251	3.543315
FHDC1	0	1.983484	0.999898	1.903946	2.289979	2.01768	3.27764	1.191351
ITGA2	0	3.20052	3.666081	2.179512	1.713921	3.735456	2.502609	3.390565
IL2RB	0	2.140363	1.68632	2.995559	2.666781	NA	3.665492	2.60588
NEURL3	0	2.61465	2.960205	2.886553	3.605937	4.16591	3.846181	1.152176
NRAS	0	NA	2.601449	0.835474	1.147389	1.356037	1.058484	2.497362
FAM72D	0	2.312639	1.892657	0.291259	2.9252	1.742498	1.528575	2.472413
CENPI	0	2.008528	1.933121	0.517803	4.250473	2.495637	0.715818	4.707797
BRCA2	0	4.477073	2.982056	-0.09462	4.177818	1.110446	1.885383	5.362082
OAS3	0	2.538586	2.724825	2.396437	3.196558	2.860132	2.764457	2.021252
B4GALNT3	0	2.100977	2.027635	NA	2.097458	2.722545	2.041561	1.772623
TROAP	0	2.842594	1.955556	0.464806	2.774252	2.059232	2.419746	2.676291
RTP3	0	2.662683	0.453859	-0.15156	0.663326	3.231399	3.084353	5.265989
OCIAD2	0	1.818196	3.005191	1.804909	1.115431	1.630191	1.661525	2.56796
TMEM54	0	2.016028	2.179919	1.266721	2.177982	1.914166	2.072354	1.557225
APOBEC3I	0	5.278415	3.455181	0.871464	1.283272	2.530568	4.326786	3.48056
BAK1	0	2.45692	2.208096	1.953309	2.072883	2.520936	2.751224	2.919582
SDR16C5	0	1.918043	1.962568	0.855072	2.83635	2.381208	1.558273	-0.90926
PGAM5	0	2.311985	2.865838	0.777772	2.236426	2.098698	2.912941	2.786152
FAM26F	0	0.960053	2.404377	1.857956	1.29013	3.194161	2.73965	2.934968
C11orf80	0	3.625095	2.46335	2.192166	1.77229	3.734577	3.266112	2.937621
LOC33924	0	2.701491	1.959386	1.101827	2.084873	2.343972	2.393979	3.109704
PTPRH	0	3.978853	4.328474	1.201788	2.167444	2.332377	4.590437	4.057244
IL1RAP	0	2.061768	2.514033	1.614941	2.070743	1.999445	1.933173	2.986638
IGFL2	0	2.626762	3.544327	2.918255	3.925722	0.829342	0.504924	-0.18888
PLAU	0	2.380322	2.70454	2.520495	1.039366	2.435993	1.014197	2.152829
CNOT6	0	1.620013	1.653928	1.76087	1.671039	2.716406	3.202853	0.798637
DAPP1	0	1.252613	2.004367	0.061994	0.792011	0.894272	1.404316	-0.31181
TRAF4	0	2.917451	3.257069	2.205653	1.956994	2.823998	2.09052	2.801951
HMGB3	0	1.867551	1.913803	1.046064	2.41562	1.91414	1.705285	2.952922

OVOL2	0	1.805089	0.89243	1.469985	2.593695	-0.07771	1.335151	1.909876
FOXL2	0	4.47008	0.982386	0.491112	0.547355	2.451997	0.453389	3.433568
FAT2	0	2.502608	3.350531	3.709071	1.945526	2.977019	2.582267	2.5448
CD274	0	2.535617	3.829674	0.913223	2.693968	1.999728	1.243778	1.529653
ETV4	0	3.654015	3.304054	-0.13444	2.639605	3.543233	2.738113	1.609888
MOCOS	0	2.258146	1.690677	1.838917	2.235361	1.561294	2.769921	4.467356
FANCD2	0	2.887197	2.554609	0.209534	NA	1.522946	1.225455	2.272752
CDH3	0	2.397594	2.500607	1.25432	2.173939	2.15444	1.312504	1.644279
RPS6KA1	0	1.721177	2.297344	1.747093	1.729832	2.381838	2.307761	2.606019
GPR39	0	3.133238	3.322099	1.963503	2.272629	3.124452	3.123377	2.63609
SPINT1	0	2.981995	2.901512	2.510693	0.891085	2.573313	2.800833	1.983568
E2F1	0	2.345005	2.108431	0.764807	3.248077	2.412959	2.203205	2.797559
IGSF6	0	2.656737	3.506019	4.312941	0.950765	3.25189	3.444179	2.608132
COL17A1	0	1.610365	1.374876	0.317262	2.947163	2.010887	0.743548	-0.11152
ALOX12B	0	2.412245	1.346942	0.168381	3.755585	3.774886	3.485804	-0.93696
C6orf99	0	2.971248	1.821082	-0.06022	4.06913	1.39935	2.34572	2.511987
SOX15	0	3.622894	3.416137	0.537277	1.925766	1.699581	1.248664	1.961141
BAIAP2L1	0	2.749904	3.032163	2.428355	1.509273	2.16536	2.179974	1.932228
PTBP3	0	2.54364	3.243996	3.212289	1.550418	2.189886	2.837744	2.402679
FASLG	0	1.113631	1.396058	2.16036	3.341386	3.661557	3.32765	2.997952
TIGIT	0	2.422304	3.121507	3.012439	2.406568	4.187384	3.70188	2.863213
S100A9	0	1.210334	1.051209	-1.03944	1.612475	2.40101	2.479777	0.147159
GTSF1	0	0.181853	-0.01118	1.464483	2.250495	0.960957	1.355776	-0.19093
CHMP4C	0	2.320347	1.799316	3.021567	NA	-1.52024	1.513487	1.944374
POLE2	0	3.381983	1.828657	0.671943	NA	1.75078	1.983441	3.590932
CCNE2	0	3.833377	2.292967	-0.05977	3.446738	1.601291	1.066115	3.637763
FAM108C	0	1.831837	1.439177	0.144593	2.635605	1.276289	2.458595	2.46327
WWC1	0	1.120508	1.816714	0.651347	1.41894	1.460963	2.213734	1.120116
SDS	0	1.773727	3.106173	5.016563	1.392148	1.943077	2.958844	3.143927
GJB6	0	2.959764	2.325981	3.176384	1.002162	2.795858	2.605756	0.597576
PTGS1	0	1.185952	NA	NA	3.13409	2.300247	NA	1.848956
RNF43	0	1.95366	NA	1.579057	1.862935	1.764399	1.923796	1.63173
ELMO3	0	2.785689	2.932924	1.954086	2.42568	2.259795	2.151069	2.253562
CD70	0	1.986803	3.140189	0.601734	2.767194	0.848106	1.236816	2.298705
SH3D21	0	2.486489	3.537441	2.038063	2.138026	1.41234	2.546496	1.311291
ESRP2	0	1.840257	0.305407	0.192141	2.404051	NA	NA	-0.09037
CENPM	0	2.308462	2.33782	0.549988	2.024329	2.639935	2.457138	3.278988
MYO1B	0	NA	2.839686	1.999031	1.06122	1.76045	1.884039	2.102374
SLC38A5	0	3.591111	3.299857	3.287143	2.192015	3.604803	3.206601	2.395427
SLC27A4	0	2.231086	3.274747	1.596491	2.600031	2.392783	2.105921	1.101092
NEIL3	0	4.445906	4.6426	-0.04947	3.508264	0.563292	-0.01981	5.755319
CDSN	0	2.35701	1.447823	-1.41297	3.385882	2.758994	2.698354	-2.68176
PKP3	0	2.030499	2.298152	1.938234	1.648938	2.566731	1.58074	1.344482
RAP2B	0	2.321042	2.540555	1.487971	1.336564	1.290451	0.801852	1.367479
FANCI	0	2.663952	2.238254	0.834138	3.192194	2.451513	2.099279	3.253845
LTB4R2	0	1.803995	1.621222	0.642615	2.434347	2.421493	1.486603	0.25525
MST1R	0	2.52628	2.743043	1.366598	2.140909	1.834851	1.752976	2.475141
PDE7A	0	3.071849	3.738263	4.010496	1.640723	3.853186	2.107541	3.183931
CDKN2A	0	3.889518	2.787325	3.618955	3.855091	3.499671	3.72345	4.361508
CDC25A	0	2.44561	2.396815	-0.52369	2.963336	0.824976	1.474527	2.976334
LAIR2	0	4.321786	-0.0188	-0.11126	3.32698	-0.0432	1.116268	1.731748
GNPNAT1	0	1.531099	2.076242	1.214603	1.44372	1.261509	1.442695	2.314218
LAMA1	0	3.575643	3.925598	3.51401	1.936081	1.663948	3.742019	3.657376
C1orf53	0	1.727066	-0.10297	0.991882	1.169095	1.529593	0.981374	2.528376
RHOV	0	1.839036	2.46449	2.757201	1.627638	1.262301	2.747266	2.333875
FABP5	0	2.115918	2.206859	2.84362	1.400084	2.113642	1.495642	1.800558
CKAP2	0	2.123149	2.760768	-0.13199	0.564337	1.063622	1.669993	2.919591
PPP2R2C	0	2.997785	2.681007	1.582324	2.058953	2.395737	2.527055	0.939823

SOX11	0	4.230092	3.62362	3.468071	0.550598	2.115939	-0.07455	4.359062
DNA2	0	2.981675	1.633703	1.443345	3.09573	2.017736	2.222921	2.766247
TMEM171	0	2.48537	2.535353	0.343336	2.029737	NA	3.192329	2.073484
PVRL1	0	2.391354	2.324987	2.075253	1.934827	1.82484	2.461334	1.888238
GEN1	0	3.490784	1.260299	NA	3.989824	0.087335	2.827677	5.679758
NEFL	0	3.725824	0.472667	2.406706	0.746051	4.315099	0.064241	-1.01305
WNT7B	0	2.550698	2.339136	2.412926	2.189482	2.004741	1.80444	1.522039
HK2	0	2.315617	1.246252	NA	0.731751	-0.08715	0.026011	-0.87478
SGPL1	0	1.763361	1.540567	1.858105	1.240004	2.823891	2.987636	1.652285
CYP4F11	0	2.953444	-1.00174	-0.12332	3.624251	-0.0454	3.11797	3.136016
LOC72791	0	0.804096	2.13538	1.552865	0.061824	0.204876	-0.06697	2.211785
TRPM2	0	2.523177	3.88957	2.969223	0.380872	3.679375	2.223517	2.359111
SGPP2	0	1.488118	1.135593	0.202202	1.905454	1.992589	2.17117	-1.18339
FEN1	0	2.237695	NA	NA	2.410424	2.294678	NA	2.895103
GJB3	0	2.394899	2.514314	1.220395	1.811217	1.975996	1.738325	1.802074
AP1S3	0	2.126802	2.231002	0.999243	1.63773	2.158105	NA	1.819912
SH2D3A	0	2.361266	2.822432	1.923336	1.21758	1.792206	1.232792	2.13661
ADORA2B	0	1.058792	2.339343	0.387284	2.228132	0.811133	0.305318	2.36025
CCDC85C	0	1.944257	2.277091	1.532701	2.507346	2.289584	2.142706	1.843874
NUP62CL	0	2.690469	2.720739	-0.15417	3.632456	-0.03369	0.657822	2.695912
MAPK13	0	2.470248	1.091258	0.790085	1.788664	1.995877	2.096538	2.016833
RECQL4	0	3.023197	2.723904	1.399125	3.095762	2.506282	2.286417	3.095642
CENPW	0	2.537005	2.054206	1.932491	2.278043	2.424399	2.699471	3.752109
IFI30	0	1.749483	1.926206	2.628184	1.710807	NA	2.502216	1.935839
CASP1	0	0.755779	2.24218	1.49798	1.116504	0.892623	2.326934	1.955442
CLEC7A	0	1.399762	3.427146	NA	0.855278	1.486715	2.581337	2.87854
IL22RA1	0	1.015206	1.618634	0.102363	2.91454	1.080423	1.72233	0.777737
BDH1	0	2.323967	2.053258	0.669799	2.475318	2.654466	2.4464	2.130465
SERPINB8	0	1.284633	1.947843	1.009693	2.447522	0.83637	1.470304	-0.0823
TMEM33	0	0.999463	2.333318	1.245341	1.72808	1.907343	2.138998	1.48939
RAB7B	0	1.575398	2.106857	2.022551	0.98119	2.762784	1.962896	0.759359
FOLR3	0	3.661729	3.080736	1.60615	-0.61637	-0.03171	2.504235	-0.77339
ZNRF2	0	2.085437	1.925248	1.75229	1.535121	2.13725	1.344331	2.24411
RNASE7	0	2.867383	2.23333	-0.07519	1.675392	2.329177	2.699538	0.778846
MCM2	0	2.812409	1.789422	0.547351	2.686167	2.54778	2.880508	3.655635
GM2A	0	1.644818	2.35367	1.424929	2.335979	2.958558	3.681931	1.946744
HMGA1	0	2.89179	2.665378	1.751325	2.443883	2.363368	2.434257	2.731682
LNX2	0	3.629708	2.522426	1.779832	1.07241	2.677257	0.838755	1.384936
MARVELD	0	2.585816	2.028904	2.463591	2.360833	2.384314	2.828885	2.913361
TONSL	0	3.223573	2.751686	2.052269	2.847685	2.629755	2.396618	2.941428
PTK7	0	2.888434	2.459789	3.400898	1.345921	3.037816	2.675879	2.694585
CCL3	0	1.516802	1.879501	2.187413	1.673117	1.40657	1.580683	1.122923
ARHGEF16	0	1.793333	2.752256	0.032018	2.210814	1.824236	2.128569	2.823704
POC1A	0	2.783805	2.409726	0.540568	2.102206	1.824382	1.161038	2.680498
SH2D2A	0	2.936628	2.505302	NA	1.342773	2.738174	2.942746	3.759463
SGOL1	0	2.869185	2.850228	-0.09965	2.284812	1.988359	2.506342	3.435015
GAD1	0	2.694167	1.49098	1.098097	0.938809	5.04372	1.417427	3.855339
PLEK2	0	2.021659	1.861135	1.597265	2.136454	2.068092	1.608691	2.201967
LGALS9	0	3.531619	2.597226	3.254633	2.472587	1.746724	2.000128	2.192791
UBE2S	0	2.759713	2.902896	0.766564	2.633552	1.767182	2.518167	3.328695
IL28RA	0	1.190005	1.903116	0.968858	1.572152	1.253321	1.322668	1.273065
PANX1	0	1.507047	3.105212	0.836515	2.347122	1.180167	0.491443	0.87908
PTAFR	0	2.543012	1.944961	1.893339	1.790172	2.399895	2.290825	1.682302
NPL	0	-0.26613	-0.51325	1.886047	1.407994	1.367806	1.391675	1.172057
VDR	0	2.487989	1.592927	2.379459	1.581645	2.68514	2.525008	1.767678
ECE2	0	1.392697	1.83696	1.016387	2.31186	1.249271	1.339712	1.47415
PRKCQ	0	2.7616	1.948505	0.989438	1.302015	4.317408	3.082092	3.950201
CDCA7	0	2.396733	1.524447	-1.79165	4.524964	1.377078	2.071452	3.419486

TUFT1	0	2.055672	1.446331	1.750466	1.627739	1.255539	1.121882	0.225668
C9orf167	0	2.331245	2.569743	1.273223	2.002179	-0.62017	1.40729	1.68943
P2RY6	0	1.246592	1.648045	NA	2.03718	1.921239	2.116133	2.874313
PNP	0	0.789066	2.03722	1.310036	2.026709	1.377412	0.927675	1.4481
SLC22A23	0	2.168936	0.971794	1.191872	1.728343	1.683569	0.974327	0.16207
CELSR3	0	3.271248	2.735869	3.400148	2.666462	3.413491	2.782624	3.429388
RAB25	0	2.115591	1.205153	0.90482	1.316686	1.678056	1.943147	0.317836
RAB38	0	1.367153	2.353509	1.64027	1.688206	0.802377	1.696984	0.846528
RIN1	0	1.698117	2.448976	0.932686	1.832081	2.38552	1.506019	0.876152
BDKRB1	0	1.596412	1.677192	1.773836	2.127832	1.327618	1.943999	-0.25925
IGLV6-57	0	2.156887	2.851018	-0.14349	1.309743	-0.05296	-0.12616	-0.3136
MRPS10	0	1.295411	1.960477	1.136733	1.366166	1.471611	1.653619	1.934403
DBF4	0	1.498114	1.975607	0.756505	2.192261	1.10188	1.767131	2.847256
EPB41L4B	0	1.831063	2.539513	2.843066	1.914631	1.948798	2.188047	-0.68376
PGLYRP4	0	2.954768	4.252848	3.573381	1.781332	2.272326	2.913492	0.035205
TMEM48	0	NA	2.266295	0.627336	1.936342	1.233412	1.747173	2.124801
VMA21	0	1.509431	2.142041	0.96669	2.215537	1.008102	1.900699	1.850262
TMEM125	0	1.899654	0.028079	-0.45042	2.530919	0.996479	1.331779	0.831014
SUCNR1	0	1.097574	3.364958	2.269694	1.342894	2.689517	2.829615	2.627036
XCL2	0	3.578167	3.843161	3.593203	1.383597	1.309485	3.854806	0.860932
STAT1	0	1.891475	2.744875	3.05712	2.552173	3.838795	2.96318	3.139727
MMS22L	0	2.518098	1.997808	1.900829	2.770095	1.326213	2.36308	3.015678
FNDC3B	0	2.895859	2.023786	1.324971	0.369176	2.439096	NA	1.822599
MAST4	0	2.770006	2.596667	0.442255	1.733481	2.056185	2.381249	2.857845
LOC10013	0	2.408382	2.771065	1.980983	2.170369	2.975386	1.380337	0.659154
HELLS	0	2.398044	1.682594	1.351447	2.676525	1.678668	1.852945	2.845498
RASSF7	0	2.426971	2.676619	2.073076	1.43607	1.91233	2.157968	2.424486
NXPH4	0	1.982586	1.651303	0.995009	1.602299	1.3773	1.377081	0.523913
ANO9	0	2.66471	2.278225	3.090133	2.246282	2.732178	2.487347	2.408951
USP18	0	1.356996	3.811623	3.622247	2.741475	4.125358	3.489065	2.77021
CXADRP3	0	0.852985	-0.86379	1.199032	1.345384	1.089232	1.131197	1.521709
OAS1	0	2.096359	2.718689	2.684396	2.075714	2.911289	2.586659	1.311344
MACC1	0	3.185571	2.134184	3.614967	2.517383	2.869328	3.760085	2.857679
RAD54B	0	3.206743	2.582634	1.652292	2.74749	2.437083	1.90837	3.667984
LTB4R	0	2.431855	2.236456	3.012997	2.504885	3.478744	3.048139	2.224392
MIR17HG	0	0.527827	2.375257	2.017424	2.809451	1.780707	2.186022	1.146598
TUBB4B	0	2.85478	3.212584	1.385135	2.378976	2.246967	1.514764	2.62982
WDR5	0	1.690782	2.486503	1.143344	1.996972	1.69573	2.672363	2.16036
JUP	0	2.457309	1.913637	1.887547	2.028243	2.526632	1.987775	0.584339
GZMB	0	0.840986	1.990746	1.939683	2.181055	3.264759	2.791607	2.37233
E2F2	0	1.964134	0.453064	0.375287	2.664939	1.076	2.046588	1.394066
NANOS1	0	2.941557	1.378279	1.010261	2.458067	1.200906	2.19196	2.435147
OTX1	0	NA	0.5486	0.109069	2.386783	-0.46205	1.298411	0.670551
CCR5	0	0.681013	1.041852	3.170046	1.942387	3.212697	3.052462	1.384085
YKT6	0	1.727528	2.648045	1.711806	1.305651	1.399202	1.085113	1.084463
TMPRSS13	0	2.171145	1.644933	1.469782	1.000165	1.526794	1.264918	1.54915
CARD17	0	0.881979	2.104026	-0.75134	0.464868	NA	2.760388	2.108375
CLDN4	0	3.282126	2.755522	1.31807	1.787577	0.572097	2.811417	-0.23057
LAD1	0	0.93577	0.77714	0.335431	1.763305	1.424013	0.729195	-0.23402
NUP37	0	2.477652	2.346288	1.394989	2.101544	1.321397	NA	2.854539
DHFR	0	1.512007	2.355461	2.081406	2.727338	1.051022	2.54341	2.775043
COL7A1	0	3.643122	3.074727	2.408738	2.471954	3.186082	2.15117	2.350879
DSG2	0	2.616098	2.696685	2.53518	0.478776	0.117311	0.976475	2.538077
F2RL1	0	0.048358	0.486299	0.750148	1.12648	0.747775	-0.43273	0.639267
LOC64365	0	2.642081	2.424334	2.70524	0.775233	1.7299	3.214874	3.343438
PYCR1	0	1.102502	2.407399	1.763335	1.901845	0.875202	2.127687	1.508674
ARL4C	0	NA	2.713456	3.272278	0.707971	2.955041	1.743586	-0.11398
INCENP	0	1.774306	1.516774	0.578236	2.082366	1.603426	1.308799	1.950866

TUBA3C	0	2.814027	2.533099	1.323959	1.042827	2.585645	1.470915	0.089587
MYOM3	0	0.194166	3.752253	1.804795	-0.70046	4.056685	1.414061	3.052216
PTGFRN	0	1.529996	1.883132	1.198585	1.235423	1.448948	1.297513	1.508489
SMC4	0	2.06469	1.181265	0.190454	2.452062	1.618919	1.091414	2.844017
SRCAP	0	2.285097	2.865238	1.219256	2.017987	0.465175	1.995326	0.997691
SLC1A3	0	-0.25214	4.007412	1.408765	1.483401	0.821395	1.81923	1.195765
RAC2	0	2.479917	2.623302	2.094858	0.856849	3.252989	2.583423	2.64049
DTX3L	0	1.113792	2.407401	2.499151	2.11879	2.18348	1.723841	2.468565
MARVELD	0	1.176615	2.310601	1.473407	2.186451	2.381076	2.39317	2.38136
KCNK1	0	1.97455	0.6602	1.013173	0.855689	1.402036	1.93397	0.485625
SEH1L	0	1.296075	1.537746	-0.24806	1.850085	0.916909	1.299472	1.853129
TFRC	0	1.652949	2.714111	1.3915	1.322225	1.60825	0.649654	3.10001
PROC	0	3.288301	2.716355	0.843748	2.334028	2.596503	0.802662	3.144296
PTPRF	0	2.320573	2.619078	1.960181	0.811715	2.380878	2.141664	1.973572
OSBPL3	0	2.73636	2.582096	2.887506	1.544558	3.014523	3.094888	1.823449
LINC0049:	0	0.214262	3.186026	2.433653	0.641912	-0.05483	-0.12679	4.342498
B3GNT4	0	2.350185	3.131061	1.624681	0.765922	2.086747	1.552474	1.685854
ASF1B	0	2.219573	1.763154	0.881735	1.984958	1.672983	2.020049	1.848332
RCC2	0	1.897513	2.492553	1.661266	2.21623	NA	NA	1.861808
FJX1	0	1.32313	2.679208	1.328399	1.557159	2.01512	1.018797	1.102048
DERL1	0	2.236548	2.726384	1.513863	1.671014	1.701367	1.617232	1.613935
NHSL1	0	3.274183	2.591649	-0.08676	-0.69761	2.355392	2.043306	1.967293
EPHA1	0	2.074858	2.184886	0.942177	1.959373	0.52224	1.924815	0.799068
SFXN1	0	1.667825	2.532561	NA	1.242001	2.749517	2.591802	1.777531
CCNF	0	2.382744	2.352144	0.027144	2.165129	2.937671	2.331359	2.987482
FAM82B	0	1.954622	2.739861	1.82363	2.375938	1.797597	0.964357	2.15798
ITGA6	0	2.817615	2.683136	2.085592	1.373793	1.305241	1.499026	2.429128
ABCC1	0	1.63831	2.527242	1.814688	2.648376	2.773926	2.551091	1.402565
RACGAP1	0	3.182232	3.584284	0.19006	1.303987	1.398857	2.236967	3.085833
PTPRZ1	0	0.311008	1.760092	2.49062	2.945682	0.929915	0.869663	-2.19305
CDK6	0	2.526823	2.978945	1.400189	1.489204	0.68814	2.495945	1.621465
WDR4	0	1.710254	2.29982	0.825757	1.889448	1.192071	2.502135	1.099824
CD300LF	0	1.349354	3.04305	2.128824	2.275972	2.839022	2.295895	2.153927
NTF4	0	0.670565	2.01219	1.936634	2.735836	1.196785	1.162253	1.620424
MASTL	0	2.890979	2.146376	-0.15712	2.271846	1.191268	0.062874	1.72017
SESN3	0	0.878137	1.593527	3.01652	1.974127	1.414803	2.750463	0.536804
HIST1H1A	0	1.735755	2.181896	0.122912	1.740485	2.031012	2.243735	3.766495
HIST1H3B	0	2.648682	2.507901	1.813398	1.352436	1.512507	2.102304	2.907763
AMMECR:	0	1.923254	1.439471	1.040261	2.335521	1.822264	1.813141	1.561306
ANXA3	0	2.38996	3.198048	-0.90735	0.791077	-0.16615	0.491817	3.52868
NEDD4L	0	2.817654	2.417616	1.157351	1.470011	-0.26811	1.084681	2.233194
FOXQ1	0	0.469699	-1.22114	0.74547	2.642045	0.719559	2.248972	1.224592
RFWD3	0	3.084594	2.72858	1.771063	2.478253	2.452419	2.28592	2.993152
EZH2	0	2.064362	1.359494	0.40262	3.393211	1.621011	1.525345	2.593043
NOXO1	0	1.63138	0.935518	-0.27187	1.49945	0.252066	1.641193	2.25976
PC	0	1.909268	2.528239	0.335635	0.696537	2.40913	2.476999	2.095792
DR1	0	1.235234	1.691448	0.677659	1.896329	1.379257	1.328114	1.364772
TNFRSF4	0	2.001081	2.248289	2.634781	2.096816	4.069755	2.125322	2.150901
IFI27	0	2.151086	2.45754	3.219694	2.426899	3.451655	2.782894	2.506815
OBFC2A	0	1.03914	NA	0.724646	1.26598	1.156924	1.649676	2.275134
DEPDC7	0	1.831353	1.78502	1.054381	1.422926	2.527316	1.98805	2.350722
LMNB2	0	0.671662	1.503726	0.115391	2.095072	0.126611	0.158806	1.180941
LOC1005C	0	1.071262	1.382497	0.247562	0.719789	1.476701	0.126181	0.048173
XKRX	0	1.025139	-0.0647	NA	3.772989	2.431718	1.679427	-0.27415
ASPHD1	0	2.681649	1.793642	2.687859	2.289539	0.346563	1.900865	3.606608
PDAP1	0	2.239292	2.533887	2.258942	2.452941	2.656468	2.446695	2.607566
F3	0	2.274034	3.659954	-0.2901	-0.69479	-0.34779	0.135185	1.932424
KPNA2	0	2.215209	1.798979	0.964812	2.291919	1.315982	1.723957	2.305566

UPP1	0	2.762813	2.390815	0.626568	0.821892	0.382215	1.141167	1.646977
TTPAL	0	1.197084	3.009698	1.255741	0.946984	NA	0.744572	1.586315
HCK	0	1.678724	2.010679	2.856413	0.68442	2.600517	1.852438	1.20576
NUP50	0	2.648439	2.081111	0.966122	1.655359	1.473494	2.096743	2.015927
KLC3	0	NA	3.790928	1.428518	2.326667	2.446218	1.618067	1.455719
IGSF3	0	1.862737	1.601402	2.578721	1.71125	2.70016	1.936692	2.241278
SGK223	0	1.960207	1.054004	1.674945	1.323258	1.559198	1.429555	-0.31251
IMPDH1	0	2.550458	3.194087	1.918165	1.029722	2.519679	2.097627	1.437242
HN1L	0	1.421132	2.080514	0.577821	1.83644	1.155923	1.519084	2.052209
SLC16A1	0	1.645535	2.834338	0.710807	1.291896	NA	0.563438	1.763952
SNRPB	0	2.159833	2.538522	1.228445	2.048426	1.648794	1.098095	1.586459
APOL1	0	1.036206	3.320906	3.291482	2.161096	2.665091	2.258648	3.058869
STEAP1	0	2.187129	2.564897	0.951439	1.256559	1.029929	1.982918	2.491626
FAM49B	0	2.724068	2.429641	1.204442	1.511192	1.729571	0.93131	2.129227
MAP3K9	0	2.507868	2.399978	1.721463	1.48829	3.029449	3.129742	1.902927
C14orf34	0	1.830354	1.566616	1.231057	3.084939	-0.03296	2.348268	-0.58779
POLR3G	0	NA	2.134749	2.28638	0.473113	0.920819	0.796435	0.934481
IRX4	0	2.439081	2.930241	-0.5377	2.341933	2.637018	0.362239	1.789462
IL21R	0	1.746888	0.694716	3.398547	2.303352	3.533619	2.289524	2.191019
C20orf72	0	2.629498	2.65281	1.258433	2.014358	1.922912	1.337537	1.628156
GTF2IRD2	0	2.058638	2.528647	1.50899	1.404969	2.095094	1.59965	2.320527
DLK2	0	2.814381	1.719266	2.941386	2.948503	1.559994	3.10357	NA
TAGLN2	0	1.951604	2.317938	0.868143	1.39252	2.033002	NA	1.917384
CENPN	0	1.942888	1.424129	1.05625	2.462559	1.71485	1.679454	1.999665
CSF2RA	0	2.656427	-0.01406	1.897867	1.760696	NA	1.435135	0.284283
ACACA	0	1.954637	1.217326	1.28669	2.571372	2.244201	2.35992	2.012242
C12orf5	0	0.957918	1.111874	1.08043	0.923229	0.938847	1.397994	1.347933
DQX1	0	2.582565	3.00809	1.398958	1.601633	0.891321	1.978989	3.232357
AMPD3	0	1.755538	1.622471	0.098676	1.25295	1.278743	1.295396	0.597233
SLC35D1	0	-0.41247	2.574932	1.796565	0.651567	0.930873	0.971724	1.18722
ANKRD57	0	2.075414	1.638686	1.011106	2.79557	1.036419	1.769161	1.946499
UBA6	0	2.405648	3.296035	2.92017	1.873614	2.846919	2.902687	2.548004
DNAJB2	0	3.197301	2.773125	3.388222	0.498094	3.331969	2.10459	1.58334
TNFRSF9	0	2.394748	1.426967	2.011501	2.369364	3.419841	2.747969	3.230274
EME1	0	1.889177	1.476222	0.489548	2.738579	1.155209	NA	2.526273
PAK1	0	1.63382	2.369166	1.567621	1.215317	1.036723	1.754486	1.315105
TNFRSF18	0	1.907037	1.363056	2.630724	2.071403	2.679802	2.132765	3.018295
SMURF1	0	2.617699	2.969299	1.098456	1.412186	NA	1.675357	0.861357
MTBP	0	3.705157	2.854478	1.918577	3.056782	1.998787	1.419995	2.795038
TREM1	0	2.858563	2.261903	2.291943	0.40455	-0.1657	0.664761	1.662239
SLC25A10	0	1.62194	1.899859	1.05004	2.052785	2.222417	2.441928	1.882363
RBM47	0	0.5767	0.305323	0.526974	1.651997	1.125685	2.140574	1.361314
CAPN12	0	2.422979	2.78065	1.666742	1.547833	3.098109	1.517786	2.686349
CCNE1	0	1.276692	1.263097	0.069809	2.447324	0.604012	0.98159	1.90601
MB21D1	0	1.82863	2.384382	1.410891	1.806161	1.977423	1.947024	2.862066
KLK10	0	1.078148	-0.01784	-0.82155	2.75241	0.514294	1.552979	-1.68516
LYPLA2	0	1.445259	2.776673	2.087104	1.443361	1.413256	1.623312	1.694759
XCL1	0	3.063397	2.831419	2.445836	1.714757	2.308164	3.720486	1.911516
PCNA	0	2.238227	1.311856	1.752717	2.672424	2.489068	1.968111	2.740357
LPAR5	0	1.719971	1.426917	1.280577	1.047076	NA	1.634557	0.832383
TMEM79	0	2.040306	1.645254	1.271749	1.542952	2.183934	1.597028	0.063115
BRCA1	0	2.886326	1.996275	0.795546	3.104245	2.221396	2.176509	3.447848
BATF2	0	1.587512	3.044974	2.062297	3.045092	4.030908	2.49226	2.483662
KBTBD8	0	3.691426	1.857113	-0.07815	0.622401	0.187961	1.687093	2.175982
CTAGE5	0	0.940317	0.906126	1.607251	2.052911	-0.51413	0.670978	3.386748
HIST1H4J	0	1.77071	1.634678	2.238572	0.825685	0.788028	2.009933	1.512865
TMPRSS4	0	1.800945	0.680503	0.109323	1.267175	0.374514	2.117871	-0.1139
MYBL2	0	2.275364	2.067503	0.859818	2.019192	2.076612	2.034261	2.045358

SPINT2	0	1.271394	1.196187	1.566508	1.625608	1.89353	1.537991	1.393207
GIN54	0	1.701451	1.625738	-0.1467	3.066014	2.782812	2.53273	3.315197
TRIB3	0	1.61819	1.882836	0.3041	1.328444	1.393848	0.780898	0.514689
SPRR2E	0	2.128737	1.830953	0.302558	1.89957	3.405769	3.150157	-1.32137
TXNDC17	0	1.048712	1.708841	0.613736	0.857055	0.782812	0.091899	1.46348
TIMELESS	0	2.411567	1.082545	0.311064	3.18789	0.553306	1.910853	2.487319
C10orf46	0	3.41953	2.420572	1.380774	1.456627	2.261028	2.583515	2.267639
C18orf56	0	2.291065	0.752195	-0.09741	2.985191	0.661357	0.700974	1.78742
BBS5	0	2.522546	2.396995	2.645854	1.415188	3.373775	2.086857	2.098587
SDK2	0	3.410447	1.326838	-0.06217	2.550308	1.881926	0.82456	0.108458
FAM110A	0	1.51897	1.773273	2.447979	1.944976	2.724673	1.314359	0.816808
KRT9	0	2.494066	1.669225	2.554281	2.56981	1.652493	1.63102	0.958263
PRIM1	0	2.928588	2.006236	1.138198	2.591547	1.474605	2.122807	3.644651
SKA2	0	2.072127	2.171626	0.962588	1.439832	1.292914	1.799405	2.587127
MPZL1	0	0.092613	0.842025	0.250798	1.111177	0.494015	1.004952	-0.10852
HSD17B1	0	2.761173	1.077355	0.73869	1.667336	1.565437	1.553023	1.267631
FAM83H	0	2.280418	3.241721	-0.12326	1.686659	1.400995	1.472478	2.937126
C16orf57	0	2.319435	2.990101	0.103883	-0.96115	3.119009	1.790691	2.637243
DHCR24	0	0.349634	0.714728	1.013039	1.795803	2.267052	2.532783	2.078718
FLJ13744	0	2.681015	0.690176	1.543123	1.454653	2.710336	-0.07437	-0.38104
LAIR1	0	0.869388	1.729779	0.952437	0.108634	2.080507	1.693096	1.863876
OPN3	0	0.020273	2.298708	1.326497	0.513981	1.741904	-0.27161	0.491534
IPPK	0	1.009523	0.883187	1.390901	2.758056	1.419718	1.364076	0.254948
PSTPIP2	0	2.157922	2.895141	-0.10574	1.641449	-0.0694	2.003293	NA
ENO1	0	2.169683	2.892015	1.317918	1.564202	1.783011	1.943504	2.438435
PIF1	0	2.323657	2.545963	0.765516	2.495285	2.314949	1.997776	3.302544
ADAMTS1	0	2.999216	2.047472	3.400521	2.314106	3.020251	1.668537	2.565973
CHPF	0	2.802816	4.302629	3.654372	2.53543	2.138772	3.203453	1.920165
PLAUR	0	3.472974	3.037616	1.017013	1.626827	0.336375	0.139097	0.15828
ENSA	0	2.078375	2.007163	2.042956	1.309101	3.012171	2.420798	2.912498
RPA3	0	1.893824	1.835259	1.716904	2.249871	1.920125	1.783557	2.888109
METTL21A	0	1.650599	1.514701	0.510508	0.360521	0.322449	0.998247	2.050215
DNAJC7	0	1.811112	2.017473	2.030037	2.728843	2.80872	2.19694	2.786089
LOC34496	0	2.21	3.418443	1.058903	1.634883	1.119468	1.291946	2.36054
FBXO5	0	2.095528	1.996632	0.042841	2.504941	0.137961	0.6151	2.4917
LRRC8E	0	NA	1.881452	NA	2.121578	1.80842	0.317784	0.832345
C9orf69	0	1.024913	1.917902	1.499804	2.760423	1.759551	0.647239	1.455647
MYO5A	0	1.532468	1.53333	1.808326	0.798285	2.876044	0.903927	0.642669
PROM2	0	1.230185	1.556367	1.772488	0.947048	1.791665	1.845343	1.027665
HIST1H2B	0	0.00239	1.741277	2.196066	3.458993	2.215117	2.047163	1.677397
N4BP1	0	1.640328	2.263691	1.394937	1.224365	1.716149	1.639792	0.839108
OSM	0	0.988014	0.569565	NA	0.713348	0.996427	0.175433	-0.1665
RBL1	0	2.190529	2.010552	-0.13277	1.950826	1.983852	2.877591	2.879764
FLJ23867	0	2.271337	2.400532	0.349623	1.035719	1.773834	1.420153	NA
C12orf29	0	1.779047	2.227793	0.215927	2.037971	1.615364	2.423198	1.064627
C4orf48	0	1.744798	2.894786	2.942828	0.805042	1.954394	0.928179	1.923744
GCLM	0	1.191199	0.779917	-0.45036	1.345385	1.181995	0.942284	3.188183
MTFR1	0	1.603261	NA	1.612338	2.117451	1.841631	0.379134	2.005889
C1GALT1	0	0.996647	1.87203	1.340339	0.940538	0.871625	1.035791	0.549364
C20orf54	0	1.383079	0.843156	1.820602	1.46444	0.012934	2.196744	1.245657
NUAK2	0	1.474207	1.255368	-0.23558	1.154325	NA	0.775478	-0.22317
TPRXL	0	0.861554	1.244295	1.61369	2.102839	1.592176	1.544324	-0.56125
SGOL2	0	1.989543	1.958459	1.006349	1.866433	0.799518	1.037871	2.731472
LDLR	0	0.827997	0.945224	-0.36911	1.239937	1.502425	1.139059	0.27499
TLR6	0	1.392133	1.355924	2.911063	1.731892	3.413737	2.504113	2.904398
EFHD2	0	0.964565	2.6758	0.739268	0.614679	0.621805	1.625335	1.238521
SLC38A2	0	3.308327	3.490388	2.034316	0.359249	1.881655	1.800035	2.177469
EDARADD	0	2.065539	2.85814	1.11289	1.587789	1.717006	1.961358	2.356923

LAMA3	0	2.110501	2.764336	1.279868	0.79491	1.445755	0.866859	1.847562
BMP7	0	2.916766	1.255308	2.492953	2.299779	1.708638	2.769263	1.635083
ARSI	0	3.061537	2.449695	3.649129	1.992954	2.452804	2.488201	2.913614
RRAS2	0	1.56963	2.456144	0.509069	0.646056	1.243236	0.951939	1.922485
LIG1	0	3.391417	2.138484	1.386707	2.317479	2.526875	2.954966	2.93587
BRI3BP	0	1.368252	1.426448	NA	1.94654	NA	1.733373	2.07586
C12orf54	0	1.492552	1.087464	0.57213	2.354266	-0.2858	2.233194	-0.25795
ADAP2	0	0.940733	0.404644	1.281213	0.976692	1.585538	0.887594	0.956881
C12orf70	0	1.845536	1.164941	1.49693	1.894036	-0.56116	1.921807	0.148655
ARL11	0	0.214192	1.001277	1.576544	1.517596	1.765057	2.727396	3.39143
IRF7	0	0.958664	2.490785	2.221954	2.522935	2.376437	2.101335	1.21047
TCEB3	0	1.385343	1.914041	1.113322	1.785163	1.785259	2.159708	1.774989
PRSS16	0	1.75928	0.054327	1.115075	1.879582	0.874395	1.578432	1.682869
ZDHHC12	0	1.937037	2.214864	1.23076	1.565993	1.19362	1.448548	1.524849
ODZ3	0	3.341378	3.618676	2.404428	0.736175	3.698518	1.303371	0.65485
UGGT1	0	0.70329	1.163175	1.18924	1.91802	1.155977	1.829005	1.95277
SFT2D2	0	1.123391	1.133013	0.748696	1.433623	1.367101	1.695248	0.820546
LRP8	0	-0.14797	0.802189	-1.11652	2.430238	1.268336	0.373762	1.335524
TMEM102	0	2.363017	1.974857	1.990262	0.966242	2.040422	0.991193	1.809678
AQP3	0	2.629	2.085411	2.130027	1.390851	0.964482	2.803101	2.514554
ACER3	0	0.595742	2.232391	-0.23528	0.869106	-0.44263	-0.49797	1.016725
MAPK6	0	1.238037	1.244982	0.898958	1.457759	2.018998	1.193668	1.13323
TANC2	0	2.1207	2.834391	2.381936	1.311969	2.824373	1.909138	2.52346
GPR84	0	1.098566	2.289007	0.107262	1.751432	2.355546	1.876771	1.591509
SEMA7A	0	3.01974	3.128546	-0.12893	2.823075	NA	1.691382	1.301411
SLC39A4	0	1.954646	1.839121	-0.10348	1.834271	0.155366	0.635603	1.257006
PPPDE2	0	0.647191	1.123389	0.430399	1.409392	1.397595	1.438222	1.313281
WHSC1	0	NA	1.871828	NA	1.979965	1.414032	1.543133	2.483999
PYGL	0	NA	1.885282	1.53182	0.625566	1.518511	1.540638	1.604404
EGFL6	0	1.658298	-0.31654	3.933187	0.655945	3.209175	2.004653	1.013447
GTF2H3	0	1.32672	1.505995	1.369629	1.740199	2.181546	1.938958	2.708443
TMPO	0	1.567466	1.32431	1.361623	1.82427	1.170847	1.989135	3.198459
ALG1L	0	2.390887	2.63114	2.100388	1.665212	1.411738	2.049868	2.243982
CDC7	0	1.551882	1.275213	0.44827	3.134755	1.973464	2.125802	3.310817
RUNX1	0	2.299836	1.877531	3.422931	0.885943	3.136217	2.010004	2.350455
RBM18	0	0.843732	2.561623	0.124764	1.945317	1.14572	1.809869	1.495749
GALE	0	1.870805	2.800875	0.784255	1.108114	0.968719	1.546913	1.886926
SDC1	0	1.530543	0.916796	1.590709	0.814783	1.009725	1.252371	0.95885
LY6E	0	2.245057	3.095854	2.774735	2.353978	2.830093	2.368608	2.272759
CDA	0	2.382053	2.523955	1.39823	NA	1.906378	2.133623	1.576268
RAPGEF1	0	2.15292	3.007819	3.3889	1.894214	3.027109	3.056011	2.362851
IFIH1	0	0.554153	2.401393	2.491514	1.926487	2.794996	2.204163	1.19303
RTN4R	0	1.490186	1.373263	0.278026	1.298321	1.093237	1.268464	0.935675
PLCH2	0	1.738485	2.436569	2.013509	1.425495	1.253606	1.568239	-0.67644
FLAD1	0	2.190629	2.264101	1.99453	1.690295	2.517075	2.077078	2.085096
MRRF	0	1.554189	2.352196	0.134532	2.563122	2.122572	2.802147	2.11661
TNFRSF12	0	2.202286	2.637901	1.728588	1.733297	1.523145	0.726999	1.771179
LIMK2	0	2.183628	2.364838	1.61794	1.380667	1.900803	1.830033	1.832678
KRT86	0	1.752562	1.46257	2.250896	1.275548	0.712127	1.583795	3.902714
RNF141	0	1.720008	2.572307	0.918498	0.772108	0.934101	1.838271	1.334733
WNT4	0	2.472307	0.473463	2.471638	1.931831	0.770298	2.607341	-0.52642
PFDN6	0	1.642931	1.946289	1.399584	1.966198	1.741931	1.92201	2.240051
BMP2	0	3.287451	3.621719	3.151216	1.877773	1.049233	1.589856	-0.93393
ZC3HAV1	0	1.309825	3.156636	NA	2.655567	2.164797	1.651841	1.9642
TPMT	0	1.312978	0.889131	-0.15807	0.155056	0.052375	0.639166	0.68586
COL12A1	0	1.468837	1.380428	2.208555	1.211135	1.446937	1.44764	2.828059
C15orf23	0	1.763133	1.861499	0.238023	1.541096	0.815099	0.931101	2.403648
S1PR5	0	2.473314	-0.01368	1.245527	1.443055	0.881585	2.693998	1.672196

MTFP1	0	2.467558	2.895546	0.866359	1.712932	0.901023	1.627487	2.883735
ARAP2	0	1.890155	1.342473	1.642591	1.195149	2.222486	1.755544	1.029836
FBXL18	0	2.537398	2.325798	NA	2.477374	2.671371	2.21286	2.403013
PITX1	0	1.26757	1.430753	-0.43435	1.515176	0.437704	1.876052	0.622716
IL4I1	0	0.576133	0.576783	1.395153	2.099541	1.49043	0.687856	-0.16155
SLAMF8	0	2.229787	2.085539	2.375906	1.378077	2.673716	2.399347	1.824632
SYCE3	0	2.25736	1.210334	0.287401	1.210733	0.281788	-0.11742	1.325749
BAIAP2L2	0	2.614175	2.462579	-0.23437	1.937509	0.660581	1.950613	2.519585
CRAMP1L	0	3.234907	3.592584	2.383101	3.492355	3.831967	3.84917	4.055842
PRPS1	0	2.027067	1.788465	2.356476	1.854876	2.182755	1.710875	2.703633
PRC1	0	1.794393	1.512859	-0.01962	2.2487	1.365318	1.114331	2.45916
RNF19B	0	1.438114	1.986947	2.312077	0.912868	2.434731	1.548003	1.677936
DDX58	0	-0.18763	2.739714	2.056891	2.997811	0.840004	-0.0121	0.408032
CCL5	0	1.941205	3.072656	2.610024	1.900259	3.099288	2.718641	2.327834
RPS6KA4	0	1.611376	2.422048	0.946882	2.141195	2.704308	1.597835	1.854515
EPHB3	0	2.406545	1.197627	1.794521	1.729087	1.983175	2.281256	0.041065
TMEM132	0	1.825787	2.312983	2.014965	0.944636	2.236075	1.296789	1.101124
SRXN1	0	1.232137	1.477667	1.375527	1.845863	1.692802	0.984974	0.690012
TAF13	0	1.243584	3.373241	1.645561	1.193915	2.036394	2.45317	1.812192
C19orf33	0	0.750473	1.794247	1.036893	0.673265	1.183692	1.281421	1.243445
AP1B1	0	2.796466	3.128783	2.435628	1.098333	1.890885	2.037591	1.753993
SOD2	0	0.622631	1.365293	-0.85012	0.990532	2.954398	2.436135	1.657192
PACSN3	0	3.269855	3.273231	1.885046	0.576199	2.412247	1.704772	2.180403
PRDM1	0	2.211601	1.499763	-0.0645	0.733705	2.026163	1.741329	-0.08532
PSAT1	0	0.439917	0.304789	-0.43974	2.231439	1.05997	1.644842	-0.76472
CCDC138	0	1.297966	1.826308	1.006769	2.540911	0.810543	0.823434	2.392039
WDR76	0	2.464166	2.598661	0.418951	2.582619	1.873723	2.704301	3.101066
ZNF121	0	2.395493	2.443457	1.427727	0.367721	1.814522	3.249512	1.250545
AGRN	0	2.400631	2.384256	2.285576	1.896552	2.488324	2.470251	1.989664
RTP4	0	0.182988	1.790594	2.830294	2.489783	3.30395	1.851059	1.481448
CD86	0	1.740919	2.76808	2.738825	1.009205	3.369209	3.286547	2.130431
HIST1H4K	0	1.58304	1.542541	2.010301	0.833295	0.991502	1.927307	1.490579
MTAP	0	2.209921	3.080984	1.327851	2.010082	1.056278	1.273433	2.268571
TLR2	0	1.278507	2.768234	1.367704	1.264618	2.6345	1.377558	2.203074
DENND2C	0	2.765349	2.626422	3.48981	1.866328	NA	3.182309	1.135868
TPBG	0	1.526038	2.562767	1.197732	1.184573	1.846897	1.351304	NA
KRT18	0	2.36346	2.94285	-0.4499	1.398847	-0.63279	1.114174	3.081343
RFC4	0	2.390926	1.342315	0.612524	2.182428	1.52583	2.014946	2.982985
GIPC1	0	2.38046	2.339245	1.962451	0.612485	1.912571	1.999688	0.831384
SOX9	0	1.76399	3.32589	1.98757	0.242181	1.264136	0.684073	-0.08297
ATP11B	0	1.709976	0.887603	0.586735	1.461713	1.313029	1.739473	1.120677
SLC30A4	0	4.205053	3.622832	3.058195	1.608221	3.24361	2.934803	4.153841
MYO10	0	2.290391	3.016142	1.830809	0.710467	2.402717	1.984134	1.934068
PFKFB4	0	3.167246	2.861364	1.613245	0.67113	2.562114	0.748199	2.467311
STMN1	0	1.917425	2.178802	1.057585	2.384393	1.774594	1.6182	3.709035
TDP1	0	1.410249	1.603356	0.819705	2.021724	1.018576	1.121494	1.474255
SLC9A3R1	0	1.289607	NA	0.638501	1.60138	1.322776	1.679725	0.767413
RAB10	0	1.198996	0.746958	0.253914	1.297183	1.034319	1.522526	0.487328
NIP7	0	0.451263	1.520779	0.287739	1.560667	0.740492	0.845214	1.471828
LOC1005C	0	2.258648	2.689984	1.708938	1.026769	2.853925	1.461769	1.918868
PYCARD	0	1.618526	1.223859	0.690628	2.231444	NA	1.49061	0.940411
GPT2	0	1.018383	1.24097	-0.24218	2.469381	2.883908	1.785849	1.300531
BCL11B	0	0.431991	1.218546	1.801209	1.879219	2.307258	0.403659	0.80117
ELMOD2	0	0.356827	2.156164	1.894209	1.499785	1.389964	1.802622	1.763039
C1orf210	0	1.361177	1.049335	0.316794	2.594343	1.53802	1.180921	2.225525
DCBLD2	0	3.12011	3.55699	2.821905	0.844971	0.653628	-0.20824	1.413986
CD3EAP	0	1.796582	1.612011	0.497615	3.044201	1.324835	1.871106	1.667102
SLC6A10P	0	2.3469	2.628456	1.0879	1.186511	2.071877	1.38626	-0.03513

STIP1	0	1.678655	3.160116	0.895934	0.88792	4.021104	1.580036	2.074169
RANGAP1	0	2.220366	NA	1.382672	1.811282	2.070789	1.435094	1.819703
FOLH1	0	0.433135	1.588443	2.612244	-0.81124	0.800492	2.770578	1.63494
C11orf45	0	1.742012	2.393963	0.979548	1.526954	2.394451	1.813664	2.014696
S100A11	0	1.871947	1.805111	0.945972	0.886142	1.530178	1.468405	0.656437
SMARCA4	0	3.408507	2.883888	2.152521	0.457625	2.246168	3.251686	0.701839
MPP6	0	1.753522	2.040447	1.343901	0.859509	1.435745	0.875486	1.978646
CDCP1	0	1.960447	2.17642	-0.3866	0.606231	1.274739	0.871698	1.772202
KLF5	0	2.377314	1.692702	1.366658	1.335493	2.500431	2.354585	2.328926
IGF2BP2	0	3.158091	2.910939	3.196721	2.164899	1.114864	2.074174	3.619976
ANXA13	0	3.707617	1.800659	1.354001	2.610198	2.683966	0.69273	2.619499
DUOXA1	0	2.394723	1.695311	2.178405	2.299281	2.416305	2.154221	0.675655
MYCBP	0	0.61175	1.023322	-0.40229	1.023911	0.514654	1.190685	1.88265
LGALS9C	0	3.073752	2.004815	2.99784	1.828119	2.044471	1.786336	1.818112
IVNS1ABP	0	1.808143	2.068021	2.150306	1.804441	2.696955	0.663909	1.283875
UCHL3	0	1.501754	1.011524	0.669634	1.480841	0.966577	0.939985	2.245754
FADD	0	1.340177	2.128798	1.677015	0.658953	2.599254	1.726773	2.16069
PANK3	0	0.358356	1.800911	0.299089	1.178115	0.853566	0.80333	-0.46947
LOC38879	0	3.063506	3.763651	0.795807	3.202342	1.950134	3.135763	3.416686
PTK6	0	1.055041	1.485361	0.425095	-0.11835	1.777647	0.54294	0.184705
TRIB1	0	2.512996	2.458774	2.173099	1.601829	1.960318	1.74456	1.443016
TRPV4	0	2.736438	2.533242	1.651627	3.068995	0.217981	2.03015	2.324525
TTF2	0	0.955574	1.636549	0.986096	1.879311	1.352495	0.973305	1.834319
LINC0023	0	0.342565	1.175686	1.37136	1.263323	1.746228	1.601455	0.600927
RNF39	0	2.554436	1.553289	0.760711	1.738508	1.997108	2.186724	0.011306
OTUB2	0	1.631479	3.352907	-0.08554	0.901676	3.420419	2.911221	1.502998
ST14	0	2.027191	1.576645	1.365322	1.09145	1.960295	2.235892	1.851165
SUB1	0	0.482542	1.914252	0.996691	1.18087	1.885839	1.532638	1.241776
AIM1	0	-0.14857	0.611648	0.738851	1.528984	1.132018	0.482901	1.441222
FGFR1OP	0	0.539071	1.305769	0.903708	1.765307	1.324972	1.26886	1.914986
SYK	0	1.338416	0.369483	1.80588	2.023755	1.613267	2.925235	0.293751
PIGW	0	0.685568	1.065151	0.689057	1.831921	1.37796	1.545083	1.613333
HIST1H4F	0	2.167733	1.588037	1.802601	1.491661	1.031882	1.862756	1.482624
EML2	0	4.251547	2.793801	NA	1.764468	1.737185	2.756834	2.482491
RUVBL1	0	1.587397	1.705189	0.340881	2.014155	1.52947	0.946506	2.346765
NAA50	0	1.509709	0.749278	0.303321	1.8414	1.351234	1.5942	2.616848
PRPS2	0	2.702614	2.68761	NA	1.040346	1.384811	0.753748	1.959771
PTPN7	0	2.022647	2.069081	2.569067	1.981042	2.595301	2.912428	3.160349
FMNL1	0	2.498249	2.20447	2.066279	1.2701	3.572612	2.697518	1.819692
CDRT1	0	1.44253	3.333218	-0.10967	3.578947	0.530881	1.726348	2.035562
ATP1B3	0	0.689991	-0.11429	2.455437	1.556141	1.715928	1.777167	1.343251
MRPL42	0	0.97268	1.977321	0.983868	1.216657	0.901716	1.436851	1.988154
DSP	0	1.912182	1.308936	1.755216	1.352328	1.953116	1.224082	0.62377
DENR	0	1.617062	1.327109	-0.51014	1.029039	0.129769	1.345281	1.103204
DUSP10	0	2.837427	3.930136	2.582707	-0.56145	NA	0.343124	0.512376
LSM14B	0	1.280615	2.057391	2.055949	1.449029	1.679353	1.175869	1.61666
CAPZA1	0	1.328386	2.358345	1.200217	0.315964	1.269155	0.565803	1.598676
TNFSF14	0	2.528682	3.075509	1.673933	1.402576	1.091674	2.466822	1.91643
BIK	0	1.327189	2.124997	1.687661	0.527396	1.437669	0.341386	1.708032
LSR	0	2.014939	2.492181	2.017963	1.700924	2.038069	2.092926	2.150371
EIF2C2	0	1.901926	2.533793	NA	1.371566	1.213796	0.587713	1.195319
NFYA	0	1.47971	1.712301	1.048782	1.249552	1.247499	1.463336	1.26697
C17orf53	0	2.864095	2.044075	-0.0598	1.821607	1.39997	2.366846	2.84366
SYTL1	0	1.134534	1.553728	1.865881	1.629641	NA	0.821596	0.80352
GABPB1	0	1.213772	1.947893	0.328978	1.288511	1.000287	1.011989	1.467187
LOC1005C	0	2.145863	3.064847	-0.10294	1.446822	1.062265	1.190262	1.843917
NDRG1	0	3.918203	3.454994	1.521766	-0.09353	2.693017	NA	1.747433
NCBP2	0	0.666654	1.437548	0.88782	1.323939	0.582298	1.114477	1.597096

SRD5A1	0	-0.07786	1.280372	0.708751	0.700586	1.482077	0.706042	-0.83277
DDR1	0	2.02105	1.579574	1.851378	1.054215	1.799907	1.39991	1.022533
NDFIP2	0	1.359919	0.780654	0.789435	1.078845	0.433961	0.591562	2.033145
MCTP2	0	0.563004	1.512898	1.303226	1.622218	1.615634	1.898686	2.451378
RNF34	0	2.025798	2.406199	2.397108	2.796477	2.548531	2.568354	2.834741
CORO2A	0	0.258482	1.096891	0.368192	1.692341	1.098209	1.959045	1.182371
BZW1	0	1.918019	2.057322	0.258267	0.064395	1.05259	1.221181	1.330015
SSH2	0	2.550833	3.523078	0.937448	1.513942	1.709543	2.123351	2.966268
ITGA3	0	2.175219	2.013062	0.772409	1.444081	1.181002	1.270588	2.05493
LRR1	0	1.530176	1.967736	0.256222	2.098491	0.87438	1.07749	1.561972
POP1	0	1.235373	1.965103	1.133889	1.754593	1.745003	1.491853	1.833217
CEP85	0	1.391708	2.183376	1.465646	2.150964	2.240705	NA	2.746136
CITED4	0	1.776256	2.813166	0.81614	1.208993	0.2896	0.768448	-0.27082
LPAR2	0	2.084735	2.309574	2.947063	0.735876	2.102621	1.210599	1.262098
HENMT1	0	1.579054	1.710265	1.74455	2.539375	1.700572	1.500502	3.185938
PLXNA1	0	2.701765	2.787105	0.176081	1.23179	1.660071	2.562951	1.691331
MPHOSP1	0	0.995587	1.667512	-0.34265	1.782433	0.999834	1.333121	1.034813
VAMP8	0	0.849493	0.507195	1.108471	0.738241	2.241743	1.179866	0.910151
CALML3	0	2.460474	1.057538	0.572672	0.842066	3.607734	1.803562	1.60441
PDZK1IP1	0	1.159476	0.26466	0.603114	1.556844	2.96967	2.505064	-0.61084
TBC1D2	0	2.077398	2.11502	1.530869	1.392617	1.1159	1.812163	1.321266
PPP1R37	0	3.284243	2.670473	3.155171	1.88546	3.291617	3.011689	2.687241
ATAD3B	0	2.490626	3.089316	2.180658	1.80388	1.991919	2.804788	2.542248
KIAA1522	0	1.669006	1.655381	0.684936	1.867057	1.68865	2.246859	1.1847
ARPC5L	0	0.946752	1.366516	0.432642	2.091912	0.69626	1.417219	0.797166
AVL9	0	1.519438	1.547478	1.329719	1.184865	1.40179	1.506308	0.980374
DEF6	0	2.423656	1.498293	1.867974	1.426921	2.352315	2.214451	1.789976
ORMDL2	0	1.172795	1.730986	0.919899	1.37963	1.199666	1.468254	1.375984
CTLA4	0	0.680062	0.548418	-0.10549	2.155985	1.251609	0.926279	1.675039
SLC39A6	0	0.515993	0.604035	1.02622	1.308441	1.078084	0.75498	1.188212
SIGLEC10	0	1.436132	1.89313	1.239996	0.904673	3.167355	1.827985	2.429841
PTPN6	0	2.03168	2.216547	2.592699	0.958077	2.392771	2.428779	2.473259
SLC9A7	0	1.830847	2.425084	2.279986	1.110337	2.643522	2.900553	2.353224
XPR1	0	2.670191	3.024513	1.964068	0.830196	2.768022	1.806359	2.791946
MFSD2A	0	-0.00824	1.71446	0.3718	2.245602	1.499785	1.818117	-0.09314
TSTA3	0	1.997421	NA	1.131805	2.000626	1.695077	1.491344	1.590861
PAICS	0	0.949864	2.435	0.68118	2.388925	1.495123	1.645316	2.509659
LETM1	0	0.318852	1.42845	-0.04221	1.604874	0.928805	1.180186	0.987779
ZNF557	0	-0.37387	1.179648	1.495326	1.803961	2.930197	0.663202	1.324861
GPR180	0	1.691879	2.793666	2.470232	2.472343	2.237927	1.540419	3.404732
HIST2H4B	0	1.998609	1.632445	1.752514	1.462802	1.02396	1.917855	1.498283
MOB3B	0	2.126999	2.25182	1.011659	1.747325	1.031557	1.794537	2.418091
C12orf66	0	0.877988	2.017154	0.6772	2.873489	1.082291	1.037841	1.812777
RABL3	0	0.600613	1.065245	0.993325	1.69038	0.471146	1.05743	1.263895
TNFRSF25	0	2.261492	2.322359	1.385267	2.396912	1.309685	1.959391	1.305925
C1orf186	0	0.551726	2.778936	2.544166	1.656919	2.081315	3.905682	3.304579
DGKA	0	2.679899	2.11476	1.508407	1.501734	1.770919	NA	1.550298
TMSB10	0	1.833585	2.050394	1.235334	0.488908	2.324033	1.034052	1.969581
RCAN3	0	1.181448	1.946263	1.669749	1.369692	1.833705	1.516161	1.855467
FZD5	0	1.046761	0.808038	-0.02739	1.257413	1.465591	0.898056	0.442566
CELSR1	0	1.148068	1.496456	0.891628	1.519013	1.500604	1.315657	1.379628
ATL3	0	1.596517	1.858667	-0.14187	1.339745	0.101889	1.145441	1.751105
GLO1	0	1.912581	2.259417	0.172011	0.976659	1.000675	0.523797	1.448566
LOC28434	0	3.299803	0.815956	1.096449	0.341182	1.79332	3.605216	-0.34806
RAN	0	1.592459	1.511327	0.428762	1.415974	0.837597	1.011572	1.487344
LPCAT2	0	2.194559	3.06867	2.120641	1.034138	1.204815	0.086264	0.62271
RALA	0	1.341911	1.574732	1.395876	0.778115	0.392314	0.421299	0.247326
NDE1	0	2.518639	3.791927	0.774638	1.106657	1.784068	1.682942	1.780484

TOM1L1	0	1.472931	0.679019	0.886559	1.490253	0.339443	1.211491	1.987212
ZWILCH	0	2.0426	1.667335	1.003044	1.75569	1.463149	2.141598	2.970907
RAB27A	0	0.77267	0.801379	-0.19034	1.389432	1.487082	1.452706	1.491773
MFSD3	0	1.619688	2.324698	1.359523	1.00436	1.234264	1.387732	1.656412
QSER1	0	1.413902	1.610424	0.877737	1.261538	1.658401	1.478265	2.231357
MAPKAP1	0	1.512995	NA	1.092933	1.274781	1.271086	1.825741	1.518385
EAF2	0	0.321916	2.470656	1.847395	1.417425	1.699642	3.400195	1.886613
CEACAM1	0	3.489859	1.149855	0.514636	1.974078	1.521663	1.205957	-1.54243
H2AFX	0	0.653469	0.990098	-0.26731	2.314935	0.203659	0.7678	1.849092
KIAA1609	0	2.013709	2.426254	1.951703	1.449698	1.896424	1.433129	1.501193
ZNF643	0	0.499694	2.660177	0.615219	0.989571	2.261727	0.842134	1.845962
CARD14	0	2.363472	0.506127	2.166684	2.108249	2.745006	1.66907	1.661906
PRKCZ	0	1.129744	1.634814	0.9778	1.513265	1.13191	1.318064	2.131741
LINS	0	1.440646	2.142054	2.400764	2.499635	2.664472	2.852751	2.248129
TP53AIP1	0	2.277581	2.549754	2.592088	0.140162	1.598747	2.930802	1.14928
HIST1H4I	0	2.084552	1.48975	2.058565	1.217711	0.927994	1.509898	1.724353
KCNE1L	0	1.485041	NA	0.695181	1.82751	2.650414	1.378251	3.626069
PPP1CA	0	1.796389	2.1941	1.110378	1.186736	2.329616	1.646181	1.809044
PPAP2C	0	2.059846	2.391821	1.690492	1.824556	0.547584	1.114136	1.20143
RAB3IP	0	1.721648	1.618414	1.585774	2.189569	0.609911	1.813863	1.841174
PRRG4	0	1.289245	1.041855	0.69831	1.149013	1.453402	1.786234	1.099172
TMEM87A	0	2.338688	3.373071	2.106964	2.092639	3.387675	3.356932	2.817504
CENPQ	0	2.407839	1.061306	0.65352	1.630907	0.862492	1.59109	2.832113
CYCS	0	0.402723	1.375405	1.26673	1.010883	1.067607	1.870024	0.74515
SEC61G	0	1.804708	2.480205	3.266112	1.298379	1.547848	1.369557	1.645221
TIMM8A	0	1.08458	0.929718	NA	2.389428	0.694702	1.272743	1.155739
SLC16A3	0	1.009629	2.212605	0.716021	0.530601	-0.19747	-0.37402	2.273193
KLHL17	0	2.141427	2.785027	2.092222	1.539177	3.244022	3.043414	2.318968
SENP5	0	0.858092	0.724459	1.284317	1.623451	1.613935	2.617271	1.926012
PRKAR1B	0	2.573949	3.164951	3.301326	1.753874	2.671239	1.561076	2.998476
GYLTL1B	0	1.578782	1.788559	1.756641	-0.1591	2.767758	1.298782	1.446793
CDC42BP1	0	1.065982	1.27601	1.334589	1.295038	1.968082	1.16385	0.200516
LIMK1	0	1.557812	2.113829	2.132767	1.087112	2.148326	1.814839	1.649614
WASF2	0	2.729306	2.678986	2.3618	1.093298	2.729873	2.612507	2.592421
ZMYND19	0	1.915702	2.5479	0.652351	1.866574	1.082503	0.766814	2.147279
LETM2	0	1.573109	NA	NA	1.681533	0.54167	1.151846	2.093308
CAPN1	0	1.916508	2.460613	1.316405	0.470328	2.313052	1.768454	1.203795
BOP1	0	2.241249	2.724259	1.073093	1.822043	1.459825	1.135665	1.796036
EFNB1	0	1.787115	1.519819	0.79296	2.086633	1.448625	1.246396	2.073457
ITCH	0	1.624478	2.6709	0.772187	1.001757	1.431346	1.745133	1.818823
DNMT3B	0	2.550506	-0.18506	0.545354	1.958662	2.493432	1.229925	1.701658
ZNF544	0	0.856591	1.57392	1.705671	1.414651	2.001982	1.904565	3.52327
SLC38A10	0	1.286233	1.962773	0.75782	0.419889	1.847851	1.606675	1.607325
HUS1	0	1.439323	2.344911	1.840063	0.414078	1.089703	0.284964	0.903066
C8orf73	0	1.882892	1.577771	-0.5315	2.496424	1.57985	2.041614	0.826546
LDHA	0	1.357332	2.766774	0.914186	0.391129	1.922663	0.890915	1.73269
ODZ4	0	2.315837	2.985617	2.163257	0.340826	2.219449	2.512833	2.680028
KIAA1524	0	3.154693	3.210939	-0.14447	2.103938	1.453133	1.373838	2.9221
HMBS	0	0.635163	1.855621	0.653292	1.581618	0.090144	1.011014	1.824871
CCDC34	0	1.682496	1.761996	0.933584	1.647406	1.4583	1.522694	2.266529
HSBP1L1	0	1.873321	1.972658	2.386151	2.674679	2.124922	1.733161	1.800977
HAUS2	0	1.072681	2.317213	1.137939	0.620804	0.933526	1.048374	1.777109
C19orf66	0	3.449184	2.292781	1.415801	0.174443	2.192196	2.926803	1.603418
LOC100286	0	0.166575	1.138644	0.036356	2.738891	1.852387	1.287431	-0.36222
AGPS	0	0.912633	1.280378	0.741739	0.886702	0.44548	0.718938	1.588737
PDK1	0	1.577629	2.332407	0.063191	0.779165	0.417837	0.360751	1.7531
DSCC1	0	2.768026	2.036494	-0.57546	2.473383	0.467882	0.369709	2.237296
FRRS1	0	2.074794	2.069879	-0.17181	1.321111	0.296336	1.677924	1.889634

DCUN1D5	0	5.136954	1.863833	1.030078	1.251562	0.513449	1.071438	1.621615
SIRPA	0	1.17818	2.076714	2.289626	0.358117	3.454761	1.432411	0.913715
CCNL2	0	0.831443	1.911142	1.272912	0.6917	0.822123	0.030774	1.594916
APOL6	0	1.97034	2.676314	2.781493	2.740813	3.358563	3.146963	2.777354
NFE2L3	0	1.8561	1.218848	0.648259	2.18434	1.581011	2.08276	1.249303
FKBPL	0	NA	2.196201	0.584382	1.320124	2.288795	2.391595	1.421602
TFDP1	0	0.960048	0.927117	-0.00903	1.190449	0.557832	0.773944	1.337543
KCTD11	0	3.307399	3.312768	1.764532	0.706275	2.125322	-0.37522	0.12944
ATAD5	0	2.49697	1.77799	1.547537	3.020821	0.850012	2.490938	2.990292
C22orf29	0	2.003413	2.103723	0.881947	1.950488	2.016817	1.953526	1.046304
ARID3A	0	2.123364	2.143983	1.710455	1.756184	NA	1.431897	0.467604
PRR5-ARF	0	2.592607	2.354125	2.049075	1.280167	-0.65392	2.600814	2.468076
OIP5-AS1	0	NA	0.354183	-0.01593	1.636589	0.420155	0.61618	1.301883
LAMP1	0	2.726277	2.337182	2.937032	NA	2.972918	2.970655	2.567363
FBXO22	0	0.638518	1.764321	0.297754	1.637146	0.912603	1.114251	1.633964
TOLLIP	0	1.254735	2.00738	0.782112	0.74061	1.435434	1.297432	0.698537
CCDC150	0	3.373805	2.18937	1.715685	2.46699	1.379656	2.223917	3.539423
NAPRT1	0	2.214776	2.509239	1.356988	2.132724	1.557453	1.762627	1.451235
GCLC	0	1.895665	-0.02821	-0.72607	1.518615	0.888106	1.040463	3.433537
PTGES2	0	1.941029	2.971529	1.485475	1.387779	1.730206	2.230011	1.259991
FBXO6	0	0.951858	2.315661	0.329539	2.009929	1.540694	1.491586	1.844604
PAFAH1B3	0	1.36997	1.758109	-0.38963	1.797354	0.725315	0.718132	1.406293
PPIA	0	1.665751	1.804056	2.092911	1.67559	2.078841	1.260149	2.009559
IGSF9	0	1.899545	1.209878	0.850345	2.454094	NA	0.900577	-0.60303
TERT	0	0.66961	1.487109	0.53239	1.317482	2.878123	1.612192	3.131483
MZT1	0	0.90736	1.187245	-0.59709	0.965791	0.346013	0.48483	1.913066
PRKDC	0	2.157389	2.694066	NA	2.352148	2.72549	2.20655	3.074754
PKM2	0	1.880006	2.391111	1.107664	1.021058	2.143732	1.820179	2.044538
PAK6	0	0.652556	1.220192	1.082955	2.009725	1.758626	1.41285	0.226047
CCNYL1	0	0.397153	0.273038	-1.13226	-0.27937	1.152186	0.231781	0.831286
ESPL1	0	1.774972	1.212184	-0.52341	1.620728	1.216455	0.836677	1.494152
G6PD	0	1.943607	1.606894	1.74496	2.003499	2.809867	1.904526	2.051971
HNRNPAE	0	1.829978	2.006828	1.163053	0.547991	2.050168	1.800823	1.078514
HIST1H3G	0	1.142774	2.307417	-0.1375	1.883547	-0.04043	1.63251	3.085839
KDM1B	0	2.662925	1.253628	NA	0.575547	1.721515	0.909889	1.522748
FAM183A	0	1.884246	1.739748	2.171053	0.359295	3.115727	3.061516	1.647884
LOC72843	0	1.453568	1.578189	2.208486	2.219924	NA	2.398171	2.219355
POU2F2	0	1.348803	1.324714	0.201974	1.51914	1.317133	3.158693	2.277468
TMTC3	0	1.819757	1.25194	2.265886	1.202426	1.65176	1.890961	1.733967
ITPR3	0	2.796313	2.281985	1.24328	1.528553	2.031583	2.239651	1.60847
CISD2	0	1.03946	1.571508	0.438841	0.998422	1.160121	1.296324	2.099353
TRAF3IP2	0	1.616281	2.134721	-0.04496	0.712526	1.522165	1.022656	0.296581
JAG2	0	2.5061	1.673725	2.724696	2.033891	2.659765	2.557229	1.867939
FBXL6	0	2.215739	2.297912	1.102654	1.25621	1.848113	1.372083	1.520976
NXT2	0	0.847785	2.540298	0.196989	1.381571	1.161748	0.747142	1.569896
FGD6	0	1.300822	1.326602	1.423702	1.602775	1.604304	1.169643	1.843348
FAM199X	0	0.368533	0.487225	0.353814	1.833143	0.87558	0.848316	1.053199
NUDT5	0	1.66956	1.265202	NA	1.647861	1.492179	1.169365	2.046416
TAX1BP3	0	2.030011	2.21834	2.029235	1.709301	2.131025	1.163586	1.104562
RELT	0	1.640673	2.335428	1.601059	0.496962	1.795593	NA	1.695387
UNC13D	0	2.336766	1.687135	1.280975	1.628598	1.652954	1.619583	0.882406
FGF1	0	2.129802	2.320742	1.61839	NA	1.266746	1.155491	0.838
SCO2	0	1.430956	2.105612	1.794326	2.580489	3.338971	2.452945	2.228764
CBX3	0	1.198534	1.459691	0.607196	1.202007	0.739802	0.399377	1.375314
POLA2	0	1.725627	2.25818	1.064241	1.603874	2.214209	2.064137	2.4059
SUV39H2	0	1.814215	0.8213	-0.66064	2.263934	1.206875	0.496341	2.018065
CCT5	0	0.603791	1.382524	1.056471	1.356777	1.086425	1.103905	1.691384
INTS7	0	1.488078	1.599283	1.559839	1.352604	1.264503	2.062204	2.388688

ARL5B	0	1.698405	0.472636	0.277709	1.305823	0.874409	0.154024	-0.13009
CCNO	0	1.17916	0.570407	1.452027	2.117943	0.733772	1.281933	1.79243
SELRC1	0	0.975232	1.821293	0.705898	1.529274	1.225004	NA	2.576378
PLEKHB2	0	1.14348	1.752909	0.382068	0.44492	NA	1.365182	0.872489
RGS12	0	2.060192	2.53386	1.771206	1.174667	2.381204	1.938779	1.074298
C1orf144	0	0.81907	1.996321	1.685662	1.171208	1.969115	2.073928	2.278708
CHST2	0	1.602025	1.94312	1.180924	0.725192	1.968162	1.93076	1.520826
CENPL	0	1.985314	2.061676	0.253013	2.099572	0.821594	1.361624	2.112194
C6orf228	0	1.973846	1.099797	-0.33681	1.763379	0.474712	0.998965	1.303677
FGFR3	0	1.872243	1.346734	2.622882	0.293753	2.551795	2.897725	2.712226
PLEC	0	2.063492	2.372217	1.27662	1.724358	1.244378	0.005436	1.68324
NCBP1	0	0.68456	1.350951	NA	2.169292	0.676799	1.03311	1.411694
RELL2	0	1.610408	1.982391	1.095489	1.865254	1.168278	1.456248	1.807208
ARHGAP2	0	2.853638	-0.16621	2.373998	1.643077	2.145847	2.278651	1.450671
CEBPA	0	0.640443	-0.15539	1.179105	2.303037	2.501705	1.83311	-0.38275
NAPG	0	0.740874	0.779883	0.518326	1.125607	0.75935	1.509636	0.697448
RNASEH2,	0	2.270533	1.73503	0.214167	1.561328	1.150502	1.579782	1.575849
PKP2	0	2.28608	2.745345	0.45577	-0.47902	-0.8359	1.374025	1.530225
AKT1S1	0	2.163193	2.94168	1.600734	1.555212	2.476938	2.704993	2.114867
UROS	0	1.492939	1.791004	0.825778	1.744794	0.987805	1.38287	2.985101
EIF5	0	0.749212	1.276513	1.210732	1.152595	1.51852	1.925071	0.619888
ZBTB7B	0	1.860645	0.80399	0.862902	1.67634	1.607155	1.645215	0.395643
LGALS8	0	0.571879	0.714817	0.758691	1.324461	1.043553	0.613157	0.831472
CARD6	0	0.166099	0.936519	1.462789	0.728897	1.568548	1.034233	0.950708
ENTPD3	0	1.725828	0.80599	1.261193	0.056207	-0.04904	0.223613	2.595243
SPAG1	0	1.504075	2.07796	0.529316	1.231805	-0.42819	0.325687	0.494538
PPIAL4A	0	1.488756	1.646529	1.597788	1.500466	1.618206	0.96277	1.722367
ARHGAP3	0	NA	1.665377	2.303489	1.398444	0.985196	2.079575	1.056026
PTGES	0	1.594145	2.089041	0.193569	1.771014	1.385762	2.280528	2.95738
FOPNL	0	1.382564	1.99813	0.450262	0.531974	1.997786	2.470548	1.70179
RNF2	0	1.946262	1.782233	0.827426	0.678056	0.628494	0.817985	1.196027
FBXO41	0	2.481427	NA	1.233936	1.574563	1.905165	1.784668	1.700021
NUDT8	0	1.6834	1.417092	-0.06826	1.278135	1.677613	1.548571	1.577974
TAB3	0	1.894742	1.411569	-0.07835	1.470223	-0.02077	0.933075	0.438881
DLEU2	0	3.726855	1.370795	0.959706	1.283072	1.035982	3.568846	3.104224
AIFM3	0	3.305464	1.35936	2.719961	0.87892	0.068674	3.368995	2.911726
SPCS3	0	0.388495	1.83392	0.741367	1.15129	1.228349	NA	2.123065
WDR62	0	1.939327	1.908695	1.798436	2.095779	2.173253	1.542162	1.953016
MRPL13	0	2.146989	1.920826	1.285071	1.746221	1.548665	1.12416	2.179164
MTCH2	0	0.506704	1.453096	NA	0.457895	1.044082	1.437943	1.786261
CNKS1R1	0	1.21146	2.088331	1.312346	0.632312	1.661942	2.833263	1.804756
C20orf24	0	1.346674	1.317187	0.603921	1.780949	1.792404	2.25737	1.73262
KIF20B	0	3.022191	1.54276	0.506096	2.010988	0.981254	1.638161	2.788959
GMNN	0	2.057132	0.946946	-0.09421	2.170474	0.766049	1.556173	2.355479
DDX60	0	0.868061	3.330764	2.213042	2.137615	3.000686	1.357328	1.806079
RABGEF1	0	1.633758	NA	-0.14129	1.501254	0.53277	0.925348	1.039837
CD300C	0	0.203069	0.845259	0.160291	1.460947	-0.03223	1.094393	0.418127
YIF1B	0	-0.29879	2.095043	-0.20291	0.982819	0.910095	-0.58999	1.254147
MAP4K4	0	1.337381	1.905851	1.10592	0.292164	0.687422	0.777976	1.479268
ARHGEF5	0	1.747484	2.242303	0.509649	1.477213	1.108093	1.425154	1.388923
BICD2	0	1.514801	1.156496	1.359345	1.971238	1.068042	1.4832	0.62057
C1QTNF6	0	2.517034	1.498337	2.118513	0.876461	1.511932	1.175996	1.644354
USH1G	0	2.738732	0.507038	1.837379	1.864004	0.984802	1.894268	-0.06388
CCDC71	0	0.908951	1.682437	2.300225	2.828218	1.993583	1.294832	2.907615
DLST	0	1.498459	3.244819	NA	2.228938	3.165453	3.115047	3.088886
PARP12	0	2.309659	3.249883	3.0849	1.80291	3.294305	2.172906	2.662838
MVK	0	0.856004	2.65839	1.032251	1.470491	2.17364	1.177278	2.129383
PPFIA3	0	2.704264	2.393829	0.877734	2.165819	1.001244	2.263332	1.755479

PTP4A1	0	1.417389	1.593876	0.116949	0.868285	0.146315	1.161094	1.99864
LOC4409C	0	2.412558	2.378978	1.184866	0.487106	1.106111	0.847242	1.897936
GGTLC2	0	2.179675	1.677648	2.544374	0.535467	0.73786	2.717316	0.619844
AGTRAP	0	1.335303	2.309232	1.206812	1.096979	1.725552	1.323511	1.659049
CDC42	0	0.337031	1.594036	0.626609	0.212458	0.119487	0.874981	0.695431
ADK	0	1.50105	1.07328	0.518977	1.149219	1.143468	1.318767	2.047529
LOC1005C	0	0.630904	1.111116	-0.19517	1.79165	0.454759	-0.04776	0.914215
NAB1	0	1.269749	1.547437	1.276445	1.570068	0.518375	1.445697	1.753278
HTATIP2	0	1.073044	0.978262	1.158349	0.817932	1.808982	1.104629	1.909722
KNTC1	0	2.872607	1.370886	1.215698	2.617789	2.158422	2.560644	3.422816
PSMD2	0	2.317635	2.173511	NA	1.013975	1.927842	1.679061	2.230205
TMED10P:	0	0.463485	1.297418	0.672445	0.889659	0.881203	0.446193	0.765615
POU3F1	0	0.869569	1.476002	1.526417	1.334631	2.227614	1.300149	-1.29906
UBE2V2	0	1.449732	NA	0.780486	1.071125	1.240849	0.286246	1.670197
FASN	0	1.33517	3.060656	1.064234	1.988629	1.900457	1.956316	1.382931
NCLN	0	2.00452	1.855878	1.405063	0.334739	1.887788	1.239871	0.84009
CD68	0	1.526667	1.636088	1.81009	0.492256	1.290419	1.420241	1.385256
SIRPG	0	1.632115	2.382855	-0.07252	1.633723	2.41278	1.776979	1.441418
SORD	0	1.021651	1.255753	0.614558	1.621847	0.687562	1.473959	0.614259
BAX	0	2.248978	2.265457	1.8468	0.849265	1.324914	1.850964	1.575024
DTYMK	0	1.575619	2.027315	0.497767	2.140191	0.941484	1.437783	1.567435
YWHAZ	0	2.588194	1.648664	1.182665	0.984767	1.412501	0.392136	0.926797
DNMT1	0	3.497798	1.638664	0.415009	1.121078	1.099562	2.711592	1.09023
CTU1	0	0.093864	2.775392	1.434827	1.981406	1.334819	0.879018	1.854097
MKNK2	0	2.213113	3.032212	1.31895	1.353045	1.428598	0.863822	2.095802
ASB7	0	1.099445	2.062931	1.255726	1.329578	1.692762	1.283167	1.78571
LANCL2	0	1.438281	1.448278	2.256368	1.015373	1.352066	1.047621	1.306591
ATP13A3	0	2.185797	3.040595	1.201318	0.030117	1.463445	1.305627	2.575516
GARS	0	1.764366	1.563222	1.24302	0.675764	0.794162	1.017604	0.3169
PI4K2B	0	1.361448	1.4076	0.982211	0.999751	1.269312	1.284538	1.3443
SKP2	0	0.530811	2.632214	0.142274	1.872695	0.796316	1.742738	1.734441
ZC3H12A	0	0.352079	0.769104	-0.33864	1.720464	2.771907	1.940534	0.307466
TMOD3	0	0.870699	2.124163	0.558793	0.288605	1.223256	0.747162	0.802286
GLMN	0	0.348998	1.549803	1.025714	0.715707	0.688506	0.664914	1.092256
GRB7	0	2.626116	1.713771	1.194809	1.190779	1.996674	1.842211	1.609582
KIF16B	0	2.880683	1.994298	2.682005	2.839325	0.690114	1.26743	1.392615
C7orf29	0	1.088853	1.049909	0.489562	2.396514	1.14188	1.530655	2.118529
KDM2B	0	1.6725	1.261655	1.176198	1.24528	1.70429	1.753863	1.310922
C9orf30	0	1.888142	2.219119	1.035117	NA	0.703295	0.471297	0.954193
VGLL1	0	2.817233	1.517513	-0.12485	0.150178	-0.03323	2.555685	-0.30071
LYN	0	1.752349	2.190945	1.213314	1.09932	2.50353	1.931146	1.033027
C17orf39	0	0.692422	1.36243	-0.15021	1.378648	-0.07885	NA	0.563141
C8orf38	0	1.296766	1.740028	0.951811	2.031696	1.679461	0.503829	1.492117
CD1A	0	0.280028	0.081763	0.716777	3.102815	2.262673	-0.79134	-0.37816
BMP1	0	2.289243	1.689851	2.249785	0.288091	1.132819	1.263949	0.795468
TRIM29	0	1.474222	1.188262	1.346684	0.797325	1.100075	1.725402	0.785102
DAGLB	0	2.76891	2.403486	2.663929	1.246824	2.209128	1.652152	2.022449
VAV2	0	0.918491	2.176035	0.591076	1.768738	0.78411	0.575386	0.957011
PSMA6	0	0.94532	1.328631	1.736299	1.32904	1.968752	1.357505	1.518128
POLD1	0	2.074572	1.370326	0.581622	1.779369	1.274562	2.015651	2.188933
C12orf49	0	0.998508	1.402664	1.042916	1.563271	0.96182	1.247637	1.267118
ST3GAL6	0	1.965509	2.241335	2.276439	0.678465	1.845812	1.535835	1.413183
PLCB3	0	1.978561	2.308759	1.07297	0.150619	2.916437	1.33068	1.617149
MAZ	0	2.298614	2.309185	2.360178	0.354839	2.177904	1.862958	2.31185
SMARCB1	0	2.130355	2.637279	1.761787	1.036558	1.776844	1.600948	1.61042
STAP2	0	0.756543	1.565238	0.905111	1.218608	1.984824	0.17545	0.09635
SPTBN5	0	2.393053	3.159874	0.939462	0.729943	1.553902	1.869849	0.717174
OSTF1	0	0.520676	1.595952	0.720676	1.189949	0.871999	1.658121	0.672894

FGD3	0	NA	0.153137	-0.14514	1.296528	1.314464	1.858252	1.141183
FUT2	0	1.385491	1.28626	1.171782	1.547795	2.132068	1.958375	0.645028
IDE	0	0.549646	-0.08279	0.875202	1.86845	1.124948	1.65326	1.124624
SCLY	0	0.779475	1.392011	0.034903	1.572887	0.092894	-0.50213	-0.36683
GOLT1B	0	0.78312	1.91194	0.991501	0.075711	0.035516	0.9082	0.810843
TCF19	0	3.075717	2.674581	-0.11401	2.068459	2.580241	2.462985	2.811368
CCDC109I	0	0.905385	1.693338	0.795083	0.54244	2.262358	1.328944	1.960758
PPAT	0	0.897896	1.776254	0.751944	1.589367	1.493946	1.776382	2.550037
SERPINA1	0	1.641944	1.714075	2.009068	0.026191	2.099423	1.241915	2.065694
TOMM40	0	3.101336	1.648528	0.332721	2.19293	0.920295	1.84003	1.715493
RAP2C	0	1.396882	1.285371	0.823949	1.242866	0.775712	1.260145	0.127036
SLMO2	0	1.250715	1.790812	-0.19476	1.121662	0.752477	0.88937	1.230377
PLD1	0	2.171947	0.717827	2.736538	1.134682	2.239702	1.604689	1.370331
NBEAL2	0	2.629067	2.461829	1.460382	1.240803	1.828739	2.233905	1.759118
NOLC1	0	0.827634	0.695101	-0.63969	1.782863	0.058586	1.018185	0.983129
ATP6V1C1	0	1.414988	1.94838	1.589539	1.527256	1.157467	0.484585	1.376912
NAA30	0	0.624228	1.851801	0.409416	1.03984	0.971957	0.542751	0.873454
EAF1	0	2.442269	2.483755	-0.06628	0.846178	0.7101	0.602727	0.01997
RUNDC3A	0	1.182959	0.523904	0.522626	0.280048	2.20489	2.796972	2.180112
STK4	0	1.156403	2.389845	-0.133	1.052875	2.404016	1.331288	1.228444
EEF1D	0	3.164339	3.222315	2.043157	1.939957	2.852254	2.823927	1.805959
PPP2R5C	0	0.885204	0.968256	1.038314	1.541774	1.441411	0.72502	1.427093
HOMEZ	0	1.172566	2.374179	2.241057	1.752695	1.797309	1.821501	1.798468
TRMT6	0	0.87115	1.746609	1.799976	1.628002	1.672338	0.764689	1.030752
SLC25A15	0	0.954918	0.965883	0.867744	1.771303	0.839131	1.087562	1.74238
PPP4C	0	1.15697	1.445596	0.592444	0.178933	1.29527	0.976021	0.962186
INADL	0	1.75692	2.497001	1.965501	1.119429	2.406543	1.268713	2.297603
RHOF	0	3.421434	0.006685	0.294977	1.363535	0.346801	0.840993	3.216872
SDC4	0	NA	2.596716	0.641232	1.13551	0.818579	-0.13344	1.073945
MOB1A	0	0.335545	NA	-0.47849	0.752491	-0.77851	0.52978	0.336272
ZBTB24	0	1.287922	2.083482	1.431046	1.071201	1.554762	0.631578	1.650797
CTAGE9	0	0.938936	0.867169	1.641664	1.65882	0.265233	0.695156	2.887661
HDGF	0	1.411096	1.225951	0.368528	1.19844	1.645552	1.347519	1.326599
HIST1H4H	0	1.440828	1.215322	1.630611	1.194778	1.231233	1.521694	1.37244
ATP6V1D	0	1.368216	1.358018	1.636461	0.745234	1.374735	1.015274	1.391578
HRSP12	0	0.820259	1.131738	1.112227	1.858797	2.06172	1.084041	1.722719
CACYBP	0	1.073745	1.51223	0.017319	1.347578	1.032749	1.037266	1.90945
TMEM177	0	0.478449	0.77347	0.146891	1.456036	0.600469	0.829617	1.112491
UHMK1	0	1.01554	1.640823	1.399752	0.801641	2.133758	2.234912	2.438339
MCM8	0	1.73329	1.953071	1.526731	2.624919	2.089044	1.817757	2.268576
RABGGTA	0	1.833628	2.269532	1.159248	1.157032	1.406254	1.357419	0.739529
MCL1	0	0.442688	1.248669	0.001337	0.892181	0.615375	0.485033	-0.06514
RAB5C	0	1.208373	1.620133	1.038549	1.582852	1.371812	1.370521	1.401162
TNIP2	0	2.77887	3.302049	0.941072	0.485628	1.73276	1.799933	1.820425
ADCY7	0	1.567597	2.173018	1.449048	1.159071	1.589591	0.675432	0.650624
SLC6A11	0	1.782915	1.570086	-0.14976	0.658037	-0.03362	-0.12039	-0.36036
CD109	0	1.803868	2.491763	1.983681	0.240562	1.173782	0.25594	2.117378
REEP3	0	0.584478	1.427917	0.67129	0.897882	0.540215	1.184512	1.455171
PML	0	1.593143	1.740401	0.792383	1.898929	1.871896	1.310523	1.574919
BAP1	0	2.995027	2.918659	1.590381	0.478898	1.913041	1.961702	2.204837
BID	0	0.504509	-0.20605	0.30643	1.101808	-0.56401	1.244424	1.069861
LOC10013	0	1.683866	1.528807	0.689304	0.887405	1.004489	0.241773	1.251604
SS18L1	0	1.477153	1.708939	1.320964	1.475432	1.545472	0.997157	1.109617
UBQLN1	0	1.112443	1.677546	0.896034	1.869079	1.110981	1.345523	1.171368
AGPAT2	0	2.089427	2.220234	1.298806	0.701972	1.358356	0.321447	0.205556
RIN2	0	1.239582	2.074802	1.774618	0.084198	2.211736	1.004415	0.235572
CKAP4	0	0.638473	0.697551	NA	0.832855	0.375594	0.56909	-0.16192
MVD	0	1.580294	2.183525	0.946113	1.532648	2.195056	1.01417	1.935228

PPP4R1	0	1.692797	1.010028	0.171016	0.613949	1.07811	0.697504	1.468878
FASTKD1	0	1.036982	1.033984	1.253808	2.006351	1.109876	1.732499	NA
TGFBR1	0	1.160768	2.229945	0.336006	1.165463	1.006724	1.254638	1.771418
ERI2	0	0.912766	0.903718	1.058771	1.7606	0.873945	0.683965	1.356109
DUS2L	0	1.958202	2.442404	1.36964	1.200961	1.780491	1.559966	1.658233
TTYH3	0	1.580829	1.840533	1.972926	-0.48928	1.828791	0.757041	0.153742
STYX	0	0.109307	1.166307	NA	1.214059	1.212353	0.923482	1.765514
C19orf28	0	0.405036	2.020239	1.170576	0.436505	1.973128	0.270364	0.641403
STARD5	0	1.584361	2.802218	0.996938	1.697129	1.523127	2.295676	1.403442
TXN	0	1.202385	1.809548	1.401498	1.18032	0.488337	1.526364	0.947843
XRN1	0	1.502762	1.310401	1.320219	1.828472	1.673383	0.982476	1.718652
TPD52	0	1.693622	0.343429	0.778613	NA	1.780591	1.448296	1.725478
TTC39B	0	0.896254	1.360788	-0.01947	2.046009	0.506157	1.599317	-0.08068
GMIP	0	1.108352	1.331608	1.299389	0.990589	1.590016	1.078788	0.655876
CDC42SE1	0	1.22913	1.726568	0.761252	1.151419	1.812548	1.155098	0.881854
ASNA1	0	2.678757	2.119405	1.224133	0.323723	1.403752	1.242556	1.024874
P4HA2	0	1.829454	2.776813	2.749458	0.013404	0.929574	0.67799	0.818592
SLC30A6	0	0.92643	1.469755	0.271475	0.877193	NA	2.495962	0.813246
UMPS	0	1.404742	0.990752	1.227298	1.350692	1.384725	1.43438	2.030297
RRP1	0	1.977532	2.043814	0.541311	0.715098	1.420442	1.569782	1.547396
CFL1	0	1.476722	2.25947	0.998527	0.596393	2.021281	1.207551	1.227025
CINP	0	1.094103	1.703706	1.707055	1.103134	1.359541	1.319581	1.312113
PABPC1L	0	2.017458	2.111361	1.996512	2.145328	2.286051	1.365552	2.991195
SMYD2	0	1.326372	1.468046	0.705987	0.840675	1.345972	0.865572	1.999244
NPW	0	2.153145	0.000327	-0.16581	2.960891	0.279755	1.699544	1.472769
POLR3H	0	1.389236	2.574447	NA	0.819992	1.500029	1.716821	1.499944
SDF2L1	0	1.179934	1.342737	1.291986	0.90643	1.794177	2.038699	2.065401
COMMD2	0	0.836496	1.009484	1.028548	1.016642	1.078041	NA	1.635456
LLGL2	0	1.811621	1.105573	0.930539	1.463282	1.1193	1.450573	0.273492
MPZL3	0	0.864198	NA	-0.22827	1.329242	-0.22087	0.957534	-0.46032
CLN6	0	1.776197	NA	0.503746	1.477274	1.263603	1.644419	1.55221
NMI	0	0.236285	0.548516	0.91547	1.399038	1.169152	0.97673	1.339024
WDFY2	0	2.125637	1.855603	1.561618	0.448122	1.371914	2.035223	1.670984
RQCD1	0	0.332662	0.933877	0.182346	0.663217	0.07644	0.518596	0.27023
NFKBIZ	0	1.474724	0.289352	1.618113	1.635015	2.412593	1.969887	0.155583
GSTP1	0	0.344311	0.429233	-0.2731	0.403151	0.146007	0.09783	0.123831
CYBA	0	1.727354	2.379123	1.795355	0.754771	1.309489	2.490711	2.669559
HOMER1	0	1.408835	1.364922	1.771254	1.133921	1.257957	1.021749	1.779853
PTPN3	0	1.419518	1.429383	1.752971	2.091008	1.183288	1.935378	1.461888
NUDT14	0	2.243715	2.207776	1.8907	1.28184	1.851106	1.657909	1.787961
SGMS2	0	2.259646	1.491052	-0.55765	1.154591	0.586176	0.636242	1.699781
SLC31A1	0	NA	1.506002	NA	1.432459	1.419474	1.807704	1.240816
LMTK2	0	2.744254	1.820022	1.469939	1.252462	1.161232	1.862979	0.793047
ZCCHC6	0	1.248093	1.473696	0.778748	1.551542	0.482967	1.229677	0.321175
WRAP53	0	1.761185	1.893608	0.506164	1.198063	1.601854	NA	1.874724
MCTS1	0	1.067516	1.224327	0.799226	1.48201	0.829363	1.088906	1.281169
APLP2	0	1.063476	1.90918	0.658692	-0.07427	0.767157	1.245853	1.22154
KIF22	0	2.548132	2.165256	0.68154	1.679697	1.857596	1.369321	2.45205
LLPH	0	1.042673	1.614144	1.22913	1.02383	1.20655	1.35298	1.779666
MAGT1	0	-0.02058	0.51362	0.091606	1.124553	0.263283	0.774314	0.726067
WDR53	0	1.48846	1.060808	1.025362	1.574105	1.362762	1.355655	1.611105
G2E3	0	1.47611	1.703159	1.257901	1.172124	0.928497	0.805	1.669251
NOC2L	0	1.613376	2.633056	0.90297	0.920127	1.216741	1.589255	1.089025
PLCXD1	0	1.556516	1.688315	0.214824	1.800214	2.195957	2.101542	1.272527
TXNDC9	0	0.697836	0.935975	0.339724	0.667428	0.326418	0.28139	1.015013
RGS14	0	0.738316	1.321259	1.21414	1.272455	1.533894	1.511253	0.761274
HYLS1	0	1.093636	1.947986	0.079869	1.57028	0.33866	1.2348	2.495549
MYD88	0	1.154867	1.698202	0.748813	0.819645	1.360466	0.89377	0.932281

GTF2H4	0	2.579712	2.399253	2.158707	0.580215	2.37599	2.17285	2.725345
C20orf20	0	1.349124	2.126773	0.603354	1.379009	1.719951	1.008973	1.750269
TOR1AIP2	0	0.887019	1.285325	0.937886	1.206473	0.819872	1.063068	1.937039
C4orf10	0	NA	2.645441	0.478629	0.06808	1.540284	1.290894	1.199265
SLC7A6	0	1.455705	2.002541	1.985781	1.374256	1.236318	0.994982	1.983517
STEAP3	0	1.517118	2.319417	1.78246	0.284316	1.850308	1.699857	0.964659
NAGS	0	2.664088	2.447701	0.483383	0.19944	0.683564	-0.27584	1.914833
MLLT10	0	0.388317	1.136898	-0.08376	0.851775	1.073976	0.449349	1.579354
PPP6C	0	1.870738	2.222516	NA	0.808476	1.855198	NA	1.894255
MBP	0	0.670257	1.342656	0.726965	0.887018	0.852772	1.025287	-0.1461
HEATR3	0	1.206792	2.295828	1.664861	1.34627	2.568533	2.382521	2.478868
ALS2CL	0	2.295908	1.990909	1.110074	1.037184	1.946933	1.72387	2.275737
MFHAS1	0	2.376085	1.363749	1.820179	0.954293	2.368154	2.851269	1.518673
KCTD1	0	1.376631	1.502145	1.011074	1.070569	0.95507	0.949061	1.229101
AHCY	0	1.866491	2.137007	0.14922	1.027891	1.376567	1.331726	1.280236
C21orf91	0	1.272837	0.666101	0.497886	1.182435	1.127711	1.253536	0.739358
GLRX3	0	1.45502	0.890217	-0.29199	1.177887	0.631687	1.055255	0.819978
CD83	0	0.642503	1.06304	2.070672	1.818927	1.651076	0.961136	-0.10182
STRBP	0	-0.24966	0.670823	0.175952	1.628214	1.240558	1.996676	1.456737
ZNF710	0	0.920942	1.095969	0.649386	1.256479	1.188345	0.702875	0.39481
RRP7A	0	2.324921	2.458369	1.491915	-0.24806	1.289679	1.574685	1.823882
PRELID1	0	1.815627	2.296672	0.747294	0.728685	1.453748	1.587038	0.598336
PIGG	0	0.573151	1.119025	0.604845	1.37696	1.078841	1.063139	1.241485
MRPL15	0	1.328774	2.61697	1.064192	1.687378	1.276498	0.823707	1.614267
PNPT1	0	1.146602	1.467991	1.415108	1.80376	0.528748	1.670774	1.707093
CRB3	0	1.193915	1.074916	0.173866	0.997331	-0.81745	1.283418	0.165162
TNK1	0	2.505135	2.209994	1.35667	1.462742	1.216035	0.46257	1.28634
VHL	0	-0.1042	1.190686	0.887303	0.961001	-0.11644	0.184605	0.45853
LOC72931	0	1.435576	1.496899	1.491376	1.427071	1.561352	0.858921	1.530877
SLC39A7	0	2.721977	2.762872	2.770845	0.771075	2.668693	2.817154	2.799236
MED6	0	1.285191	1.489983	1.065417	1.524604	1.605062	0.940264	1.516374
METTL2A	0	0.993691	1.33946	0.322463	1.193438	0.857883	0.747472	1.244904
DDX56	0	2.513551	2.837939	1.978732	-0.45293	2.118338	1.854416	1.867918
BOLA2B	0	0.711347	1.26338	1.013603	1.274505	0.808521	1.433533	1.119443
PRPS1L1	0	0.995117	1.030385	NA	1.71552	1.314296	0.504453	1.761169
PSMA2	0	1.486967	1.509757	1.924563	1.139814	1.790325	1.398242	1.929988
C2orf49	0	0.845741	0.855571	0.457765	1.044546	0.660692	1.009767	0.973889
MED8	0	0.615584	1.163146	-0.18792	0.792808	0.633966	-0.00775	0.156664
WDR36	0	1.971115	2.17216	0.986119	1.146853	0.775229	1.242335	2.07407
CENPP	0	0.822296	0.266915	1.241218	2.631315	1.178335	1.856614	0.507247
ATP1A4	0	1.33299	2.105133	2.327154	1.85376	1.97759	1.966753	2.199688
MRPL12	0	1.185811	1.626613	0.206994	1.598633	0.782186	NA	1.395298
FUS	0	2.232086	2.182609	1.662799	1.119502	2.093863	1.934731	2.095814
HRAS	0	1.967883	2.343799	0.878323	0.93515	1.505505	1.153261	1.230453
XPO4	0	0.749054	1.640661	1.411372	1.470164	1.335537	2.089479	1.939018
POLD2	0	1.712274	2.218288	1.235673	0.938959	1.715189	1.226402	1.809175
LRRC59	0	1.273062	1.320571	0.38251	0.945858	0.498629	0.765338	0.579531
PRIM2	0	2.51174	2.087852	-0.1023	1.467651	1.462203	1.405297	2.851105
SREBF2	0	0.952562	1.502545	1.109422	1.249245	2.174358	1.490533	1.550171
CPSF2	0	0.641834	0.788779	NA	1.276042	0.852481	0.37585	1.101206
C19orf48	0	1.834438	1.395804	0.276954	1.872451	0.552467	2.095366	1.845791
ZNF598	0	2.166718	2.077233	1.14554	1.285064	2.355396	2.226991	0.9497
COPZ1	0	1.035717	1.054743	1.39979	0.911264	1.322774	1.559273	1.572704
LOC1005C	0	2.310289	1.694386	-0.1279	1.487996	-0.03103	-0.10172	3.001324
PRR7	0	1.235167	1.607569	1.417622	1.217262	1.979742	1.153106	0.656119
PPP1R13L	0	2.421859	1.528258	1.688881	1.56789	1.482715	1.247717	0.750285
C12orf60	0	1.38429	2.718083	1.034891	0.398127	1.152869	2.328532	2.119023
BTBD3	0	1.779762	2.139573	3.682911	0.764508	1.824236	2.347067	1.3094

MCM5	0	2.849774	1.641141	0.251454	1.89245	1.865811	1.966942	2.771923
ALG1	0	1.777587	2.184397	1.282726	1.224579	1.387892	1.730754	1.70673
NAT1	0	-0.09474	0.467568	0.929375	1.169347	0.708797	1.554641	1.560105
FAM120A	0	0.919797	2.868312	-0.05749	1.325319	0.041838	0.444877	1.946476
CEP152	0	2.117256	2.388137	1.860561	2.205917	1.913233	2.446429	2.439054
CANT1	0	1.518299	2.65155	0.599508	0.186254	1.505605	1.783969	1.17818
GOSR2	0	0.566917	1.468913	0.710851	1.018519	1.031734	0.831931	0.965205
STK17B	0	2.155819	2.793452	1.762028	0.2966	1.388459	1.681005	1.145798
TMC6	0	1.877299	1.551155	1.487371	1.147253	1.406288	1.691947	1.150718
POLR2D	0	0.966448	1.751414	0.469005	0.752789	0.42199	1.442277	1.484168
CTSC	0	-0.65926	2.527369	1.658872	0.332094	0.267109	-0.07001	1.743554
CHAF1A	0	1.531465	1.092971	-0.15302	1.507035	1.474843	0.963955	1.238462
DENND2C	0	0.408944	0.276398	0.443759	1.787022	1.3244	1.398656	1.124495
COL27A1	0	1.578459	1.258738	2.631675	1.607752	2.194889	1.446483	0.291117
CA12	0	0.376266	1.064073	0.632476	0.930492	2.611811	1.128445	0.386621
PHF5A	0	1.556538	2.078065	1.537601	2.09122	1.5978	2.097401	2.271936
FAM96A	0	0.401033	0.922689	0.899253	1.085599	1.219906	1.264335	1.416839
AASDHPP	0	1.206351	1.812431	0.930858	0.439064	-0.1174	1.079168	1.363157
DDX60L	0	0.525008	2.798998	1.508019	1.33172	2.698499	2.068892	2.329025
C10orf2	0	1.080037	1.646851	0.568092	1.816441	0.954525	1.369568	1.914061
SBNO1	0	1.549867	1.761508	1.055549	0.972931	0.926398	1.85473	1.455713
QTRT1	0	3.24611	2.30314	1.193277	-0.21335	1.947628	2.671266	1.689855
FUT1	0	1.496408	0.843336	0.140003	2.916692	0.269349	1.184727	-0.12494
MCART1	0	0.498998	1.941566	0.123931	0.961264	-0.30854	0.623446	1.394633
C12orf48	0	1.051187	1.176541	-0.00479	1.746892	0.881333	1.2835	1.734423
RPP40	0	0.170343	0.55034	0.155747	1.397526	0.300931	0.45946	1.315734
PCYT1A	0	0.583438	1.163842	1.459814	1.414034	1.640711	1.046258	1.501158
CERS4	0	1.051003	1.889647	1.301884	1.543714	1.587202	1.992742	-0.14562
ANKRD9	0	1.857468	1.203708	1.149732	1.193358	1.550609	0.834813	2.396675
TBC1D20	0	0.565958	1.083983	1.269588	1.043759	1.112434	1.145681	0.35084
SBNO2	0	1.007852	1.459596	0.232683	1.186432	0.498394	0.249936	-0.02027
USP41	0	0.904158	2.074547	1.420715	1.835335	2.936291	NA	1.971173
GART	0	1.378455	1.238697	0.980789	1.333	1.05756	1.387233	2.256546
KCNK6	0	0.297087	0.921248	1.075184	1.658103	1.400139	1.420358	-0.47012
TMBIM6	0	NA	NA	0.992857	0.652396	0.804652	1.802541	0.459015
ZFAND3	0	1.581752	1.536887	0.291005	0.825578	0.596719	1.293875	0.668538
HIRA	0	2.507902	2.459026	1.643406	1.332144	2.289	2.015731	1.917376
RAB1F	0	1.056923	1.071147	0.491086	1.446813	0.984027	1.28616	1.209853
ZDHHC18	0	1.651219	2.165855	1.280454	0.505714	1.366912	1.369238	1.26378
URB2	0	-0.01922	0.755532	0.008031	1.38361	0.504602	0.869879	1.297002
KIAA1598	0	1.85747	1.021499	1.302014	1.001163	1.394788	0.835308	1.257322
ZBED4	0	1.236079	1.088278	0.663578	0.927426	0.784508	0.792034	0.61721
STK35	0	1.415306	2.674892	NA	1.598559	1.756273	1.970012	1.220467
BASP1	0	1.642904	NA	2.781552	0.360891	2.136673	1.698087	0.678168
MET	0	1.529509	2.144088	0.585071	1.353024	0.966394	1.224884	1.641591
C1orf31	0	0.800229	0.993036	0.166893	0.94028	0.678636	1.048929	0.951831
PMM2	0	1.259107	1.908002	1.158321	1.030929	1.284145	1.701437	1.631667
H2AFV	0	0.7313	0.536443	0.607012	1.45639	0.860021	0.480459	1.255416
SUV39H1	0	2.562164	2.66062	0.86605	1.695024	1.409793	1.74613	2.335487
IRAK1	0	1.655745	2.133751	1.360599	1.329481	2.010935	1.741461	1.582143
DCP2	0	0.936726	2.21461	1.775763	0.111234	1.167247	1.212641	1.886921
ODF2L	0	0.916898	0.744158	1.77747	0.688519	0.998559	-0.15729	1.540021
PDXK	0	1.280256	1.539495	0.551714	0.485342	NA	1.583085	1.385179
UPK2	0	1.172842	0.742028	0.246851	0.001594	0.660875	0.578435	0.237597
KCNAB3	0	2.404666	3.275001	1.234789	1.568408	1.616488	2.061447	2.745235
SLC25A40	0	0.51049	1.244182	0.129991	1.470443	-0.09217	0.863511	1.233533
SEC23B	0	0.732971	1.178427	0.185694	1.004096	1.386751	1.079786	0.680003
LOC10019	0	1.204097	1.242251	1.102487	1.370754	1.446278	0.707061	1.576989

STARD3	0	2.005576	2.134869	2.374003	0.488798	1.618286	2.225735	2.034207
C18orf19	0	1.585259	2.096399	0.183203	0.544774	0.539485	-0.00301	0.656983
MAGOHB	0	0.227641	1.039559	0.38492	0.75126	0.26931	0.421436	1.641836
UBE2L3	0	1.444279	1.670948	1.062089	0.789766	1.420818	1.657727	1.4835
N4BP3	0	1.923637	2.119989	-0.01883	1.017076	0.758528	0.956631	-0.60994
PHKG2	0	1.703708	2.812429	1.951267	1.33075	1.694129	1.924056	1.897651
TAP1	0	0.302029	1.573769	1.347141	2.175688	2.477251	NA	1.908508
PTPRE	0	1.244052	1.168851	-0.05732	-0.01731	0.772189	1.068149	-0.1876
GNB1	0	0.801147	1.985272	0.386688	0.406851	0.386229	0.977326	1.021975
PLEKHG5	0	0.97925	1.906776	0.81959	0.672266	-0.29977	0.895484	0.465313
RAD18	0	1.547453	1.32873	0.344283	1.959311	0.054634	0.504101	1.433114
ZDHHC20	0	1.546684	1.188908	1.848652	0.714393	1.26166	1.474482	1.990561
ATF5	0	1.875766	2.084207	1.660376	1.275451	1.872356	2.331287	1.627325
BTRC	0	0.798757	0.613896	1.285251	1.319943	0.942247	1.322375	0.76449
ICMT	0	1.223274	1.763676	0.811485	1.607978	NA	1.51213	1.681576
LMTK3	0	1.765456	1.770546	0.432984	2.119595	0.263402	1.744328	1.035446
RAB35	0	0.797133	0.999051	0.3166	NA	0.541054	1.067297	1.078943
OTUB1	0	0.851081	2.184579	0.382482	0.448959	3.085027	1.038463	1.262681
FIGNL1	0	1.591081	0.763656	0.381285	2.286881	0.920701	0.624223	1.444593
PIGX	0	0.128248	0.036814	0.201257	2.421009	0.952926	1.529194	1.867563
CASK	0	1.096118	1.231048	1.06749	0.261987	1.61285	1.076875	1.180836
ACP2	0	1.537252	2.184353	2.20532	0.381582	2.537871	1.569724	2.144362
RGS19	0	1.784072	1.987561	1.60722	1.130729	1.873114	1.159453	1.573898
GPR157	0	0.692031	0.851726	1.370626	1.348693	1.319133	1.189826	1.553944
NIN	0	1.072619	0.858026	1.48804	0.776184	0.911367	1.082866	1.779884
TMEM185	0	2.108814	1.240252	0.520438	1.642785	0.885108	1.28499	1.284728
FAM105B	0	0.441003	1.88499	1.03211	0.971597	0.480583	0.843294	0.50048
PPM1F	0	0.843676	2.338149	1.863134	0.85745	1.768222	1.544663	1.186883
SNX20	0	0.18774	0.564238	1.163477	1.211095	0.949507	1.623111	1.994098
NRIP3	0	1.64222	1.640725	1.805397	1.382058	1.058864	1.854555	2.478209
SPTSSA	0	1.134261	0.961636	0.460278	0.950902	2.610595	1.532033	1.189974
MALT1	0	1.75872	2.082444	0.504161	1.1003	1.678441	0.812228	0.353189
TUBB4A	0	1.515544	2.243193	0.365852	-0.06436	0.286896	-0.18605	1.17042
CLPB	0	1.213601	2.105798	0.667227	1.215733	0.642688	0.946139	1.59175
PPP5C	0	3.603518	1.744479	0.616974	0.869637	2.725779	2.097278	1.566286
C2orf29	0	0.794391	1.205271	0.47133	1.039936	0.48363	1.115069	0.417124
MED14	0	1.287341	1.265121	1.373096	1.189149	1.380315	1.352179	1.494223
OPA1	0	1.073444	0.293727	1.038306	0.761111	0.752928	0.750495	1.601276
ALDH3B2	0	0.990588	1.407215	1.436598	1.065502	2.455214	1.510892	0.456306
SHMT2	0	1.06285	0.736449	0.430965	1.252685	0.596766	1.246447	1.417824
GGCX	0	1.202373	1.272642	0.680204	1.539194	1.766889	0.750335	1.919188
BUB3	0	1.719957	1.47554	-0.36891	0.897081	0.645064	1.000842	1.334004
DNAJC5	0	0.731853	1.592096	0.4803	1.351775	1.837692	1.203392	1.201357
CTAGE4	0	0.943733	0.902875	1.591342	1.612611	0.303216	0.60234	2.781994
DBNL	0	1.483782	1.810892	2.106297	0.499813	1.821388	1.068797	NA
CCDC15	0	1.72661	2.489127	0.333182	1.751904	0.652487	0.643641	1.697164
DVL1	0	2.495413	3.099497	1.315656	0.398456	1.927236	1.639566	1.288226
PVR	0	3.261336	2.014033	0.552777	1.773339	1.348764	0.746696	1.872416
DCUN1D1	0	0.067749	0.516788	1.456689	0.384427	0.560833	0.883231	1.338379
RMI1	0	1.045889	0.806479	-0.22139	2.089376	0.476409	0.944634	1.523495
TMEM199	0	1.057587	1.439151	0.260334	1.602358	0.727878	0.344787	1.164129
BPGM	0	1.044207	1.762785	0.706193	1.468112	-0.00073	1.169615	0.494007
IL17RE	0	2.319662	1.931394	2.46021	0.608059	1.983849	1.890839	2.454797
HMOX1	0	-0.07453	0.46855	0.517378	1.050956	0.422385	0.883702	-1.51337
PSMD12	0	0.932599	0.66519	0.391866	0.887035	0.981158	1.036427	1.17614
NAP1L4	0	1.384979	2.066337	1.262231	0.382534	1.536123	1.712869	1.828109
TLCD1	0	0.706129	0.932253	-0.42343	1.646499	0.333376	-0.14122	1.005911
NOP16	0	-0.09704	1.166524	0.358349	1.740647	0.616012	0.784791	0.143477

HCP5	0	0.261824	1.966915	1.615773	1.311482	1.951515	1.69865	2.390888
TARS	0	0.677617	1.441057	0.744628	0.824171	0.634889	NA	0.848375
ABCB8	0	1.391504	2.165832	1.61596	0.941846	1.251487	1.796088	1.126818
PSMA4	0	0.515284	1.063884	0.958948	1.00086	1.521728	1.015398	1.73109
SYNCRIP	0	0.98449	1.218204	0.446156	1.1325	1.203495	0.62019	1.153514
SLC25A5	0	1.272919	0.256365	0.12647	2.163572	0.776652	1.253487	0.632167
RAB3D	0	1.616154	1.112037	0.708313	0.499812	0.819726	1.006934	-0.22354
ATF7IP	0	0.936942	1.537592	1.304677	0.507918	1.252249	1.297345	-0.0787
EIF3J	0	0.409667	1.514296	1.316312	1.24371	1.635335	1.255264	1.308402
RALGDS	0	2.430867	2.432842	2.651941	0.618126	2.082956	NA	1.896032
MRPL35	0	1.045179	1.105689	1.176884	1.378394	1.7127	NA	1.707435
KLHL7	0	2.128664	1.368326	0.212798	1.275324	0.297249	1.130466	1.853078
ELF4	0	2.144192	0.692538	-0.06746	1.514998	1.370634	1.588884	2.199525
FANCC	0	1.849359	1.869028	0.629426	1.922506	1.157179	1.631315	2.550475
PSMD8	0	0.741173	1.406995	-0.00648	1.118607	2.00794	0.443755	1.057888
RRP12	0	0.658069	1.383855	0.349432	1.285307	0.645773	0.818512	0.582624
MLEC	0	1.410041	1.880582	1.426815	1.288998	1.298848	1.298857	1.459994
RAD50	0	1.261933	1.718502	1.50625	1.011387	0.992819	1.404848	1.167358
C7orf44	0	1.320669	1.988537	1.865163	1.572627	1.532018	1.187432	1.974538
SNX13	0	0.816645	0.443733	1.707204	1.038398	1.121513	0.895015	0.921235
TMEM87B	0	0.803028	1.711129	1.91898	0.875105	1.820284	1.720887	1.946819
CCDC86	0	0.451754	2.756657	1.192631	NA	1.731741	1.482486	1.602081
AKT2	0	1.633652	1.587935	1.458055	1.356528	1.957135	1.704389	1.799162
ACTR3C	0	1.398205	1.024409	1.574573	1.756585	1.315919	1.565613	2.531062
GSK3B	0	1.960489	1.903176	1.642022	0.539714	1.455965	1.41033	1.738098
MAPKAPK	0	1.46583	1.377033	1.382441	0.945553	1.811267	NA	1.63901
ZBTB9	0	1.007759	1.663924	1.221525	1.782294	1.555566	2.278899	1.740362
HOMER3	0	1.573866	1.567744	1.413683	0.071686	NA	0.149774	0.167849
CTAGE15F	0	1.10119	1.221498	1.534732	1.253146	0.76577	0.687674	2.715263
MOCS3	0	0.860492	1.296967	0.041689	1.942787	1.414491	0.999616	0.984717
PROSER1	0	1.581599	0.740916	0.626528	1.751395	0.426761	1.371235	0.481326
MRPL17	0	0.780566	1.452521	0.422924	0.89182	0.32524	0.752198	1.373771
CPSF3L	0	1.538756	2.758447	1.040333	1.040413	1.140433	1.230798	1.024505
TAOK1	0	1.05187	0.323386	0.104889	1.565258	0.752483	-0.52802	0.734281
NRBF2	0	1.281052	0.806773	0.728741	0.289382	1.15289	0.855841	0.529973
ATP13A2	0	NA	1.557722	1.761562	0.661161	2.040747	1.17227	1.3034
ARF5	0	2.271406	2.516884	1.514316	0.65585	2.048452	1.576515	1.985707
STAM2	0	1.107256	1.485359	0.785892	0.69418	0.933299	0.921826	1.23707
RFC2	0	1.085165	1.483316	-0.1691	1.877592	0.365258	0.816494	1.730734
CDK7	0	1.663945	1.311716	1.022182	1.003149	1.177769	1.34139	1.021645
CTAGE11F	0	0.911905	0.813774	1.53762	1.538703	0.354015	0.586975	2.618122
ADAT1	0	0.154381	1.414753	1.67035	1.322183	1.34371	0.813489	1.240543
TNFSF15	0	0.631148	0.44191	0.407556	0.644777	1.387783	1.323307	1.344818
SCRN3	0	0.118283	0.941695	1.391457	0.971291	0.611312	1.19314	1.46924
ATP1A3	0	1.300424	1.928312	2.43384	2.038141	1.629992	1.985896	2.11245
DOK4	0	1.232481	1.290088	1.557757	1.32956	1.141314	0.820091	0.793696
CBX8	0	1.921775	1.544003	2.287379	1.712954	1.624496	2.02575	1.479852
EIF4G1	0	1.624951	1.588079	1.053238	0.841556	1.348613	1.002901	0.857973
TPD52L2	0	0.863085	1.762984	0.016845	0.526295	1.062087	0.444596	0.998221
C6orf125	0	1.089968	0.667946	0.814996	0.969027	0.6754	1.504198	1.627906
EPS8L2	0	1.689821	0.795871	0.502482	1.042771	0.873305	1.481575	0.93756
PGK1	0	1.482432	1.898857	0.895561	1.198537	1.56672	0.619857	1.207255
SEMA4B	0	1.157785	1.396963	0.942739	0.451596	2.062366	1.256644	1.528847
TUBG1	0	1.392518	1.864171	0.071085	1.07843	1.289475	0.965148	1.188179
WIPF2	0	1.163114	NA	0.021387	1.312591	0.983457	0.683957	0.657206
ADAM10	0	0.689905	1.192709	-0.0244	0.321032	0.484526	-0.10719	1.125465
SPTLC3	0	1.015688	1.872236	0.617148	1.183568	1.556853	1.32051	2.308605
DOLPP1	0	0.863642	1.123644	0.980138	1.791013	0.736238	1.784079	1.668406

TIGD2	0	0.715315	0.626183	0.617655	1.64703	0.233893	1.040503	0.892819
PSMD14	0	1.294953	1.057659	1.049322	0.914239	1.040344	0.907948	1.381885
ZNF283	0	NA	0.927449	NA	1.917431	0.76037	0.851943	1.822952
PTS	0	0.386878	1.239346	0.640743	0.761761	0.344648	1.153301	1.241847
HCCS	0	1.194643	1.406344	0.216622	1.221143	0.647652	1.276625	1.197811
CCDC58	0	0.704608	2.105214	2.467447	0.380223	1.476268	2.505302	2.016347
SOLH	0	-1.36239	0.99763	1.122161	2.055184	0.531115	0.819177	0.599648
MZT2A	0	2.521474	2.259338	1.426694	1.514292	2.491081	2.095044	2.836535
NADK	0	1.058825	2.117552	1.762519	0.755346	1.461292	1.653596	1.197709
RAP1GDS:	0	1.441329	2.033715	NA	0.759658	1.143783	0.834224	1.581314
PGM3	0	0.93647	1.163842	2.145531	1.292073	1.137926	1.08133	1.440421
LCP2	0	0.894168	1.292897	1.689191	1.059635	2.097872	1.742054	1.197438
GRPEL1	0	-0.13126	1.429897	0.06471	1.137466	0.602892	0.643122	0.836047
PEX13	0	1.434178	1.058669	1.272206	0.564824	0.492382	0.634922	1.042122
CIT	0	2.357236	1.284075	-0.02194	2.040026	0.858635	1.405163	1.989158
SLC35A2	0	1.250446	0.951304	0.672931	1.512916	1.030224	0.916696	0.756058
ADCK5	0	2.423824	2.188203	2.01138	1.421876	1.578002	0.916657	1.685177
LOC34105	0	1.422058	1.121349	0.425482	1.609906	0.964365	1.273282	1.792241
NAA20	0	0.969984	1.125943	0.22199	0.933621	1.273554	0.644765	0.670996
CDK16	0	1.121783	1.035061	0.258939	0.276517	-0.29029	0.667535	1.139473
CDC42SE2	0	1.190723	1.516238	1.178832	0.024177	1.03578	1.741933	1.588843
CBX4	0	2.183781	1.502061	2.204873	0.547114	1.82506	2.068011	1.302928
HSPA4	0	0.451032	1.20398	0.199838	NA	0.480418	0.751465	1.018999
XRCC4	0	0.764468	1.125307	0.722245	0.730325	0.361858	1.098028	1.203175
SMC6	0	1.781672	1.257625	1.184655	0.942977	0.84841	1.289334	1.556367
CASP4	0	0.714704	0.645122	0.364341	0.388997	0.045837	0.668647	0.405644
ZNF706	0	1.946382	1.199999	0.733961	1.195733	1.233328	0.496494	0.25179
PPP2R1B	0	-0.0862	0.958437	0.398286	0.079403	-0.32036	1.000706	0.519989
NF2	0	1.532755	0.903159	0.938997	0.681217	1.301097	0.660652	1.841441
EIF4A1	0	1.602514	1.780763	1.4171	1.089595	NA	0.873913	1.700312
TNFRSF10	0	1.328677	1.384845	-0.00486	0.535846	-0.18346	0.978655	1.221491
NPM3	0	1.880815	1.712222	0.943152	0.76461	1.049834	1.468217	2.077928
RPE	0	0.372717	1.357074	-0.00753	0.48524	0.192622	0.317055	0.411026
GAPDH	0	1.762232	2.241292	0.644406	-0.12325	0.848146	0.815398	1.593769
SNX8	0	1.185122	1.378005	1.779953	NA	1.395505	1.187713	1.444321
LRRC61	0	1.269454	2.073828	0.522117	1.442749	1.756525	1.874417	1.245335
SAR1A	0	0.793341	0.80592	0.8865	1.011892	0.33426	1.508336	0.815348
PRRC2B	0	1.954148	2.368389	1.864905	0.883062	1.855648	1.715657	0.989131
ST6GALN4	0	1.750269	1.560783	1.460097	1.027746	0.500478	0.3355	0.490376
GTF3C4	0	0.641286	1.612437	0.630671	1.434167	0.033953	0.934499	0.958035
FDXR	0	0.76789	0.506078	1.324403	1.351879	0.848313	0.92197	0.213453
SNX22	0	0.612918	1.871538	0.513221	1.082559	1.008018	1.455463	0.242593
PRSS22	0	1.952002	1.406757	0.242766	-0.4994	1.921685	2.25224	NA
UBE2J2	0	1.181531	2.42009	1.681062	0.409611	1.276692	1.715644	1.164054
RRM1	0	1.227438	0.534488	0.6954	NA	1.285223	1.273832	2.134533
RBBP5	0	0.240941	1.677825	0.894855	0.958665	1.370962	1.413427	1.434077
TFAP2A	0	0.623506	0.700735	0.191909	1.068293	1.093186	0.408495	1.216496
KIAA0284	0	1.616434	1.254221	1.588188	1.685599	1.967142	1.183054	0.562079
KLHDC10	0	0.552018	1.356324	0.900375	1.051834	0.468158	1.123898	0.956659
MED15	0	1.962858	2.225836	1.175717	0.639475	1.539765	1.130846	1.151591
SNRPD1	0	0.844078	1.012806	0.112322	1.118907	0.565738	0.955539	1.608192
CES2	0	1.365779	1.842796	0.724991	0.708634	1.347201	0.832804	0.083114
DAK	0	1.471843	1.873226	1.876422	0.635588	1.444913	1.156016	1.484308
PAFAH1B2	0	0.179157	1.497661	0.448733	0.570019	-0.08584	0.659975	1.701728
CAPG	0	1.649603	0.847838	0.751339	0.752382	2.175633	1.017695	1.212427
MARK3	0	1.909265	2.032421	1.366323	0.890604	1.991092	1.164361	1.687994
EXT1	0	2.542538	2.111036	NA	0.896691	2.12022	0.93732	2.214717
AMOTL1	0	0.883772	1.898822	0.099287	1.086109	-0.35188	0.442225	1.290647

SKIL	0	2.482015	0.648383	2.182673	0.235882	1.498275	1.03556	1.452727
FAM57A	0	1.311032	0.922927	1.574885	0.916896	1.908398	-0.19778	0.600567
FLVCR1	0	0.659161	0.669081	0.304908	0.745482	0.297043	-0.03983	1.00419
MRPL49	0	0.042656	0.781509	NA	1.275885	NA	1.114176	1.812059
FAM104A	0	0.924499	0.922039	0.161663	0.865241	0.815552	0.627879	0.668785
FAM206A	0	0.797356	1.694391	1.358747	1.603443	0.875009	1.730927	1.429262
C14orf126	0	0.423384	0.572362	0.661003	0.646237	0.536344	0.681041	0.647608
CEP104	0	0.294448	1.84785	0.10262	1.350296	0.717338	2.126569	1.272776
SEPX1	0	0.897404	1.016949	0.551188	1.689601	1.647641	1.24877	2.187782
AKIRIN1	0	0.609211	1.990331	0.242022	0.476736	0.251195	0.836649	0.739384
DNAJA1	0	0.684642	1.847688	0.862378	1.948984	0.251942	0.814955	1.732689
LOC40023	0	-0.14997	1.038819	1.175749	0.820888	1.412884	0.881485	1.063772
TRPV3	0	3.41306	2.302764	-0.06286	1.189703	1.799291	0.702833	1.041618
MCM7	0	2.069236	1.522624	0.679964	1.996843	1.417729	1.611723	2.311458
DPP9	0	0.491824	2.278233	1.289632	0.543755	1.33931	0.143427	0.117643
SBF1	0	2.202736	2.362552	1.527218	1.098745	2.009416	1.968646	1.224419
ROGDI	0	1.62068	2.45498	1.942464	2.185624	1.507899	1.237058	2.150725
CCDC43	0	0.901627	1.188929	-0.13164	0.716116	0.457271	0.592576	0.951871
PSMD13	0	1.441973	2.160953	1.632554	1.296321	1.77288	1.250608	2.158537
MRPL30	0	0.807709	1.701431	1.25073	0.995039	0.99835	1.482083	1.726711
L2HGDH	0	0.274181	1.462666	1.832083	0.946887	1.68772	0.914431	1.554653
LILRP2	0	0.399596	1.147761	1.530765	0.10277	2.401365	1.079391	0.883919
ARF3	0	1.146513	1.309916	0.812261	0.957404	1.243493	1.284338	1.258239
MTHFD1	0	1.200484	1.555508	0.586698	2.131456	1.530072	1.591855	2.024016
CNN2	0	1.118457	1.769896	1.055991	0.48246	0.949364	0.143686	1.040565
MAN2C1	0	-0.42032	1.150517	1.505402	1.19553	0.444643	0.651779	0.344195
BYSL	0	0.538094	1.000335	0.051455	1.459221	0.402331	0.70061	0.886077
CCDC78	0	1.96249	2.270893	-0.14354	1.130488	1.67203	1.043673	1.12478
CXCL16	0	0.921553	-0.1436	NA	1.003206	0.715708	0.98432	0.371635
TDG	0	1.473919	0.98482	1.192808	1.21775	0.584008	1.176203	1.339493
ATP6V0B	0	0.901271	1.861476	1.345456	0.953028	1.04224	1.170004	0.984743
HTT	0	1.753867	1.946712	1.216558	0.617821	1.897027	1.298998	1.771726
MSL3P1	0	0.185165	0.878037	2.052484	1.194802	2.007204	1.024262	1.406122
LOC2209C	0	1.534864	1.983497	1.761394	1.488458	2.000998	1.971	2.654348
S100A3	0	1.451299	1.833321	0.766724	1.667768	2.679248	1.175383	1.761872
MAP7D1	0	2.139932	2.306493	NA	0.871583	1.58798	1.523672	0.75915
PCMT1	0	1.484085	1.755819	0.196929	0.295051	1.010674	0.784403	1.131658
ALG3	0	1.018255	1.55925	0.95274	0.643759	1.357456	1.38128	0.97539
VCPIP1	0	1.261702	2.25118	1.47315	1.162699	1.554875	0.797852	2.316297
REEP4	0	1.672986	0.87162	0.971605	1.217672	1.033602	1.264656	0.586987
ETNK1	0	0.4853	1.030017	0.262427	0.799499	0.267617	0.163877	0.437278
POLE	0	2.243985	2.204571	0.168321	1.600118	1.952225	2.291871	2.146527
TBC1D22E	0	2.620012	2.069924	1.703242	0.743411	1.853192	2.020766	2.267256
ATP2C1	0	0.929624	0.662167	1.202222	0.891119	1.23715	0.166072	0.973747
CTNND1	0	0.466429	1.333016	1.848704	0.390036	0.940841	0.8236	1.40212
CCM2	0	1.900892	1.916004	1.761447	0.727587	1.936009	1.068998	0.797782
RRP7B	0	1.834242	2.135628	0.634531	0.033787	0.256356	1.147807	1.396749
CEACAM2	0	1.568072	2.009398	-0.04352	0.182541	-0.03195	0.395101	1.53619
VAC14	0	1.782095	2.103708	1.037939	0.481523	1.339128	0.978571	0.212166
AP3D1	0	1.423501	2.046473	1.490964	0.265458	NA	1.334394	0.581448
LOC1005C	0	0.389663	2.257005	2.538657	-0.269	1.542092	1.953484	1.571748
CHD8	0	2.572683	2.301391	NA	1.145121	2.196137	1.494753	2.050513
PGAM1	0	1.452577	1.019899	0.73004	1.027861	0.958658	0.689022	1.42194
ASPHD2	0	1.221994	1.58064	1.068859	0.929322	2.206647	1.870691	0.778342
SRRD	0	1.806697	1.779836	0.893566	0.728784	1.243031	1.000515	0.935427
ZNF655	0	0.949123	1.459386	0.542932	1.027968	1.165725	0.76578	1.35585
ARFRP1	0	1.096648	1.529867	0.443603	0.271595	1.293304	0.193444	0.687582
C8orf76	0	1.956305	1.86215	1.242253	1.256823	1.053666	0.721362	1.567836

RBM33	0	-0.06854	1.531065	0.293766	1.47683	1.097299	0.310977	1.518625
CKS1B	0	1.707644	1.419266	0.34375	1.690291	1.144282	0.948703	1.942189
C1orf112	0	1.882478	0.724946	0.296961	1.925339	0.674622	0.678322	1.977827
ALG11	0	1.33878	1.527517	1.273179	0.768312	0.743326	1.099489	1.662375
EFCAB11	0	1.02042	1.395621	0.994551	1.415456	0.662251	0.895638	1.405388
SRPK2	0	0.844425	0.984598	0.421936	0.39411	0.009768	0.254571	0.280906
MARK2	0	1.452546	1.853549	1.079548	0.792106	3.041388	1.301546	0.935239
RDH13	0	NA	2.252808	1.730071	1.71137	NA	2.355067	1.354603
SCNN1D	0	1.188521	1.211793	0.60324	1.063571	2.081905	1.236019	0.948919
RIPK2	0	1.294225	2.370951	0.887959	0.687996	0.957576	0.218758	0.974744
NAA15	0	0.489825	NA	NA	0.670336	0.154503	0.344172	1.582363
AP2S1	0	2.092581	1.320646	0.077875	1.288524	0.594484	1.265521	0.717367
SNRPA1	0	0.603117	1.055088	-0.28773	1.034814	0.429739	NA	1.695503
OGDH	0	1.478064	1.753249	2.238833	0.279797	2.202759	1.779196	0.840922
LPCAT1	0	0.546757	1.967263	0.302914	0.752898	1.291544	NA	0.657098
FBXW2	0	0.806411	1.935343	1.636363	1.297246	1.120727	1.370897	1.316592
TM9SF4	0	0.577145	1.289375	0.968274	0.349458	1.709355	1.894864	-0.03845
METTL8	0	0.732215	1.320752	0.260308	1.032309	0.347196	0.253397	0.770204
SYAP1	0	0.835652	1.079815	-0.00533	0.7748	0.52804	0.51161	1.103321
HSPE1	0	0.232609	0.676182	0.289807	1.00675	0.612111	1.173327	1.046627
LSM5	0	1.376189	1.262547	1.62631	1.223809	1.286735	1.622625	1.865505
RNMT	0	1.286593	1.200083	0.935936	0.326291	1.223795	0.314728	0.703358
CIAO1	0	1.592834	1.678064	0.880718	1.173799	1.018946	0.984402	1.42089
C14orf129	0	0.916898	1.018046	NA	1.219096	1.096079	0.915419	0.695853
STARD10	0	1.847602	2.202227	1.138824	0.326925	NA	0.837056	1.089888
YTHDF3	0	1.131582	1.909069	0.84792	0.860506	0.429282	0.059932	0.938158
PIN1P1	0	2.553578	2.077361	0.818484	0.183805	0.623079	1.615178	0.587805
ARRDC1	0	1.337765	1.411066	0.697881	0.809644	0.699372	0.153606	0.741071
APOBEC3	0	1.378828	1.542429	1.424261	0.805027	1.118134	1.501077	1.54711
PLP2	0	1.921549	1.657223	0.4527	1.124592	1.474451	1.163084	0.605113
TTLL4	0	2.094181	1.877826	1.760548	0.890755	3.282974	2.17047	1.699041
TMEM167	0	-0.2064	1.65376	0.156846	0.511473	0.238321	0.842094	0.41939
UCHL5	0	0.831259	1.271005	-0.11493	0.768	0.255237	0.920403	0.939719
DUSP9	0	2.315619	1.108237	1.256597	0.58756	1.288678	1.453693	1.404431
CCNK	0	1.249684	1.541093	0.691912	1.140966	0.978366	0.913616	0.047334
DPH3	0	0.520273	1.348222	0.038043	0.541573	0.042364	0.265087	0.200986
PLEKHF2	0	1.681243	1.155152	0.853357	1.911197	0.978878	0.503214	0.716651
MKKS	0	0.826582	1.396701	1.551619	0.341003	0.573518	1.209501	0.419443
C13orf27	0	0.873631	0.865207	-0.10978	1.554315	0.062149	0.779567	2.251645
ANKRD46	0	0.990058	1.34763	1.611026	1.377609	1.23012	1.593547	1.885595
DNAH3	0	1.127297	1.199849	2.058578	1.316284	1.899575	1.427177	0.739329
SHARPIN	0	2.357009	2.712904	1.800602	1.302301	1.88953	1.138667	2.05902
MARS	0	1.222206	1.729121	0.561865	0.764324	1.196738	1.415829	0.852411
PUS1	0	1.414273	1.772806	0.89053	NA	1.183961	1.232271	1.227637
ACTL6A	0	NA	0.421547	0.856508	1.094169	1.081906	0.818801	2.131429
ZDHHC23	0	0.922961	-0.40064	0.571676	2.044838	1.226361	1.068877	1.960633
CHPF2	0	1.71072	2.160035	2.226547	1.02956	2.172368	1.587177	1.840652
CORO1C	0	0.717116	1.070197	0.320985	NA	0.197902	0.529386	0.838887
NUS1	0	-0.04953	0.697873	0.233088	0.823336	0.854247	1.00363	1.010278
DLG1	0	0.167572	0.193445	0.23854	0.448029	0.586652	0.605333	0.623512
MRPL3	0	NA	0.5263	0.12717	0.54389	0.383905	0.59779	1.014283
PFKFB3	0	2.312267	1.735545	1.146304	0.451472	NA	0.389077	1.025321
AUP1	0	2.239877	2.090298	1.508097	0.881946	1.125895	1.918773	1.974038
RARG	0	1.766244	1.142864	1.066371	1.350298	1.501169	1.684172	1.150476
RGNEF	0	1.492118	2.514696	1.822475	0.517515	1.482419	1.425842	1.462491
PCK2	0	1.411518	1.900719	1.030903	1.107768	1.930822	1.048752	1.0251
MRPL47	0	0.810949	0.748032	0.71879	1.379206	0.876379	0.993423	1.76069
CALM3	0	1.500323	1.093817	0.853084	1.013464	NA	1.617338	0.873532

LRR8A	0	1.060146	1.613829	1.341664	0.919002	0.494502	1.909874	0.451846
PSMB2	0	0.664527	1.067765	0.818407	1.101319	1.454056	1.443635	1.619675
TRIM7	0	0.766402	1.449645	-0.12924	0.610217	0.526494	0.279332	0.397029
LOC10013	0	2.308939	2.453224	0.871595	0.263615	1.408919	1.739742	1.548499
USP5	0	1.595037	1.832947	1.600651	-0.31732	1.459	1.555978	1.791015
CLDN12	0	1.004886	1.796985	0.818854	0.875424	0.361265	0.931792	0.883053
SURF4	0	0.030113	1.401174	0.468471	1.221446	0.4342	1.094612	0.2378
PSME4	0	1.796549	1.568069	1.024346	0.942354	0.507568	1.321659	1.622883
SAC3D1	0	0.748135	0.973429	0.133762	1.569127	1.25642	0.831696	1.322009
GET4	0	NA	1.729599	2.429217	0.949641	1.19247	1.416388	1.108235
CCDC132	0	0.457343	1.392754	2.010438	0.867917	NA	0.843077	1.94195
TMEM238	0	0.984964	-0.05299	0.041069	1.482806	0.678805	0.976326	0.592193
NSFL1C	0	1.635151	1.804035	2.020631	0.944831	2.089124	1.079506	1.032827
ARHGEF4	0	1.405122	0.563777	1.746403	0.627648	1.876024	0.727401	0.957261
AMD1	0	0.646206	1.507112	0.694943	0.801807	0.770641	1.288859	0.906931
TMCC1	0	0.59703	0.577239	0.679168	0.920393	0.485797	0.342079	0.491284
PTRH2	0	3.607018	0.94943	0.851594	0.829292	0.738445	0.988874	1.150017
ACTR3	0	0.956528	0.855874	1.085643	0.82926	0.886069	1.036416	1.401676
PHF19	0	1.060475	1.217596	-0.55565	1.405542	0.956618	0.686055	1.715031
POLR2K	0	1.441413	NA	1.553099	1.203775	1.482202	0.98963	1.69743
POM121	0	1.636668	1.541089	0.886332	0.668663	1.32617	1.266697	1.903212
GTPBP5	0	0.571239	0.92633	1.386526	1.408773	1.875718	1.602115	1.332634
MLST8	0	1.590847	NA	0.996274	0.594628	1.137647	1.584339	NA
BCL2L13	0	0.839224	NA	-0.54813	0.691509	0.962384	0.053286	1.190668
DCLRE1A	0	1.220957	0.084579	NA	1.380771	0.664885	1.045395	1.31531
AXIN1	0	2.624848	2.420017	1.367291	0.506557	1.80928	1.762888	1.722569
H2AFZ	0	1.002432	0.944149	-0.25162	1.49013	0.469181	0.56878	1.955756
SRM	0	0.763039	1.980687	0.150022	0.615746	0.869641	1.255923	0.714438
BAIAP2	0	1.599526	1.643258	0.735197	0.732567	1.05924	1.205575	0.217526
GINS3	0	1.172465	-0.07437	-0.59715	1.774237	2.181808	1.168386	1.04746
MRTO4	0	0.4822	1.394519	0.518462	1.472958	1.060022	1.100594	2.046437
GYS1	0	1.248447	1.83817	0.659082	1.023426	1.517904	1.566312	1.080139
KDM5B	0	1.583458	1.434981	1.416946	0.39225	1.307046	1.169144	0.393905
PRMT3	0	0.212527	1.593722	0.15976	0.128034	0.533961	0.746024	0.628667
EWSR1	0	1.567342	1.461003	1.032957	1.134941	1.354529	1.391346	1.167956
TRAIP	0	1.749853	1.354097	-0.61461	1.594557	0.383307	0.404887	2.014915
ZNF562	0	0.481162	1.402109	1.139846	0.670665	1.316039	2.358287	0.700685
UCK2	0	0.913608	0.812952	-0.47369	0.933291	0.515087	0.569223	1.131753
GPR172A	0	1.100392	1.626619	0.735293	1.037873	0.821092	0.465104	0.758265
SYMPK	0	2.544399	0.755657	1.104923	1.331356	1.277776	1.891989	1.123939
VPS37B	0	1.472517	1.756161	0.634113	0.800454	0.575861	1.095493	0.84237
C4orf33	0	0.180628	1.88914	1.69711	1.369009	0.949534	0.993306	2.597687
MRPS12	0	0.093906	1.231157	0.4176	1.747509	0.915055	1.155802	1.200028
BEND3	0	0.692472	0.575974	-0.07042	1.539421	0.724554	0.904743	1.903333
ITPA	0	0.682277	1.578823	2.127926	1.708769	1.660502	0.941156	1.301566
C1orf55	0	0.585745	0.948812	-0.01958	0.875147	0.03216	0.744188	1.293644
C1orf124	0	0.534746	0.983204	0.625209	1.326094	1.061372	0.639836	0.719523
CHD3	0	1.472818	1.71441	2.397196	0.85034	2.649901	1.347569	1.62395
TUBA3D	0	1.724409	1.843836	1.044714	0.38352	1.284824	0.697149	0.809777
NME1	0	0.843662	1.039539	0.54925	0.815971	0.872247	1.054922	1.367528
SPTBN2	0	0.268279	0.385271	0.430802	1.622709	1.476597	0.96732	0.406547
C15orf29	0	0.745631	1.232704	0.633898	-0.46264	0.323818	0.247459	0.483112
MRPS33	0	0.540333	1.567512	1.185736	1.377583	0.715381	1.378641	1.436173
MLX	0	1.208845	1.488424	0.679236	0.968737	1.469677	1.138177	1.519262
SLC50A1	0	1.32327	1.314036	0.174665	1.249528	1.415309	1.258516	1.455491
TCF3	0	0.590631	1.068238	0.633347	0.48088	-0.00091	0.596949	0.073063
MOV10	0	0.526976	2.112901	0.742746	1.260629	1.330025	0.919841	1.331338
P4HB	0	1.209415	1.370444	1.391619	0.72854	1.706403	NA	1.304381

ATP6V1A	0	1.055542	0.276971	1.747525	0.832485	1.390009	1.162428	1.876358
MSTO1	0	0.941576	1.566263	1.185849	0.584669	1.658472	1.508737	1.762858
BBC3	0	1.182175	0.827632	0.95752	0.349639	NA	0.414638	0.746985
DENND1E	0	1.558649	1.231963	2.05518	0.526082	2.030565	1.186838	1.470748
CEP78	0	0.51925	1.725962	0.176325	1.77719	0.21581	0.828225	1.236075
COASY	0	2.029059	1.678779	1.105201	1.098104	1.549024	1.878801	1.482756
AP1G1	0	0.314834	1.052218	0.099818	1.575112	0.547416	1.123523	0.836466
EIF1AD	0	0.879262	2.086801	0.357378	0.933071	1.369616	0.967141	0.72077
ABCF2	0	0.235545	1.594252	0.131454	1.129243	0.551279	0.353761	0.659365
SEMA3F	0	1.430141	1.540111	0.696195	1.086202	0.641537	0.850285	0.898063
ASCC2	0	1.965032	1.852174	1.320187	NA	1.521452	1.551213	1.029892
MIDN	0	1.074954	1.660341	1.274418	1.035846	1.457508	1.139934	0.203576
CSNK1A1F	0	0.486968	0.713774	0.340465	0.488992	0.973695	0.2505	-0.17355
TSN	0	0.673197	0.858621	-0.06278	1.016115	0.709799	0.620685	1.022349
FTSJ2	0	0.99784	1.457262	1.053457	1.345735	1.193982	1.565136	1.42927
ANP32D	0	0.667276	1.035343	0.921873	1.788984	0.673565	0.484398	1.219198
CPSF3	0	1.440054	0.869655	0.561958	1.126011	0.428467	1.03272	1.536147
NMT1	0	0.71764	0.890278	0.267879	0.968821	0.714355	0.640078	0.898688
NACC1	0	1.427389	0.748969	-0.02809	0.908535	0.311107	0.89342	-0.03257
DNAAF2	0	1.118547	0.972667	0.811641	1.214094	1.056624	0.931593	1.035668
PLOD1	0	2.103834	2.916697	1.784301	-0.12802	1.61818	0.849287	1.723359
DBF4B	0	2.106518	2.355489	0.570799	1.770661	1.024421	1.637468	1.674122
SHB	0	1.335806	1.730271	0.006882	1.002226	0.562407	0.759967	0.393384
ARFIP2	0	1.536512	2.215576	1.565728	0.5788	2.02862	1.738121	1.964028
C9orf80	0	0.849233	1.113286	1.082658	1.89131	0.500136	1.570514	1.307192
THOC4	0	1.456295	1.487599	-0.07705	0.606141	1.013401	0.93283	1.137888
CGB	0	2.279495	1.788289	2.466748	0.734096	1.016474	1.561667	0.848717
NAA40	0	0.988073	1.921086	1.20813	0.992497	2.507355	1.138784	1.913923
SNRPF	0	0.788559	0.890197	0.11135	1.133252	0.427545	1.199075	1.587595
FANCE	0	1.742914	0.582353	0.256782	1.418463	NA	1.040706	0.723642
TMEM170	0	NA	1.264603	0.29569	0.637783	-0.04525	0.826829	0.894572
TRIAP1	0	0.678547	0.972853	1.035827	1.540769	1.023832	1.455104	1.346998
PPARD	0	1.821669	1.277895	0.535519	0.895241	0.941546	1.019139	-0.31741
ATG4D	0	2.467429	1.68995	1.355576	0.565948	0.842059	2.20572	0.558678
RNF213	0	0.851691	1.661117	1.093984	1.911272	1.713873	1.518358	0.602672
SENP2	0	0.379224	0.664409	0.576718	0.857933	0.311713	0.620269	NA
ZFYVE9	0	0.060946	1.081776	2.075233	0.568516	1.740583	1.546838	1.613216
RIC8A	0	1.702585	2.319614	1.296098	0.376085	1.639559	1.287133	1.559177
NOP14	0	0.700179	2.050043	0.885294	0.897982	1.583005	0.816594	1.013084
SH3BP5L	0	1.419677	1.394892	1.583703	1.07227	1.675156	1.577043	1.575707
GDAP2	0	0.215047	1.638582	0.899193	1.097879	1.219795	0.434502	1.455392
TP11	0	1.158605	1.668433	0.45662	0.000958	0.548892	0.453229	1.497784
FANCG	0	1.775408	1.350406	0.200015	2.170891	0.613852	1.086307	2.163684
TMED10	0	0.677624	1.328504	1.53027	0.770782	1.56669	0.990091	1.293348
EPT1	0	1.75867	0.949359	0.736348	1.340527	1.272125	1.255905	1.121686
PATL1	0	1.051876	1.469715	0.713115	0.979704	0.643063	0.835589	0.963919
NUDT19	0	1.003928	2.067108	1.289812	1.333631	1.208042	2.140721	1.817339
TRAF3	0	0.943	1.151988	1.080492	1.229239	1.677968	0.921771	1.469094
PLIN3	0	0.693719	1.58594	0.87471	0.062593	1.20861	-0.12235	-0.0091
SLC25A16	0	0.558492	0.320142	0.734207	1.28801	0.911754	1.55318	1.670383
TAF2	0	2.196826	1.724618	1.574154	1.17063	1.169176	0.834576	1.919773
TTLL12	0	0.990285	1.22149	0.938118	-0.01636	1.463549	1.656041	-0.04333
ELOF1	0	2.087956	2.060593	0.979225	0.410533	0.954049	1.948009	0.48067
KIAA0317	0	1.05604	0.970191	1.585168	1.340776	1.658903	1.275997	1.498496
BAZ1A	0	0.678504	0.469268	1.268011	1.307752	0.920808	0.167033	0.420249
ZSWIM1	0	1.838163	1.568323	0.663935	1.002009	1.607222	2.234638	1.554694
PABPC1	0	NA	1.187891	1.292789	0.024211	0.970527	0.439787	NA
SS18	0	0.540763	1.489277	0.466092	0.84595	0.392753	1.166138	0.875615

VTI1A	0	0.183725	1.096924	-0.0999	0.984676	0.633266	0.994171	1.101142
MAP4K2	0	0.813415	1.399908	0.869492	0.177463	1.782793	0.339862	1.691275
NPEPPS	0	1.602022	NA	0.218103	0.915247	0.676565	0.566207	0.315674
SLC5A6	0	1.083684	0.857591	0.129965	1.316949	0.469428	1.016719	1.331391
PAFAH1B1	0	2.000305	1.505014	0.980121	0.823164	0.868962	0.621565	1.346075
PRMT5	0	1.22834	1.670778	0.406809	1.023402	1.021235	0.593454	1.258177
GPR56	0	1.34461	1.748854	1.923416	1.039949	1.598422	1.349143	0.900432
C10orf125	0	1.627124	1.352996	0.394354	0.69817	-0.63982	-0.3466	1.617404
EBNA1BP2	0	0.007047	0.980136	-0.14234	1.226607	0.608181	0.512334	0.626615
ARHGEF1	0	1.562062	1.739407	1.090941	1.456527	0.972317	0.910496	0.636355
C1orf131	0	0.67928	0.429982	0.30588	1.103527	0.465184	0.669865	1.044846
UBE2N	0	0.81385	1.095128	0.267028	1.04795	0.397827	0.679574	1.156241
NOP2	0	0.999406	1.43745	0.691237	0.600435	0.899437	1.641141	NA
U2AF1	0	1.553718	1.172007	1.446612	0.192693	1.57328	1.937059	2.118578
ASF1A	0	0.980798	0.593705	0.733425	0.765591	1.421094	1.089269	1.568014
RAD1	0	0.224459	1.055974	0.990113	1.390146	0.477613	0.593391	1.005477
TBC1D7	0	1.70628	0.966911	NA	0.766921	0.796601	0.755252	1.338303
SNN	0	0.220247	0.824697	0.569678	0.607582	0.217734	0.261546	0.980562
VAR3	0	1.66018	2.073518	0.526963	0.609166	1.056402	1.051221	0.733024
GSS	0	1.393341	1.752033	1.311218	1.04338	1.913731	1.239684	1.884494
MAPK1	0	0.413545	0.973622	0.203423	0.178964	0.568734	0.022644	0.546833
ZNF101	0	0.619239	0.441329	1.082874	0.522633	0.774262	0.712279	-0.02308
HM13	0	1.113443	1.823243	0.882812	0.92192	1.608604	1.532177	0.65615
SH3BP1	0	1.39637	1.346764	1.319357	0.498803	1.04679	1.685148	1.178885
SAMD1	0	2.060152	1.901015	1.045517	1.060068	1.70676	1.600753	0.173035
ATP5J2	0	0.451607	1.494556	0.502324	0.879241	0.477342	1.228162	1.389949
NOP56	0	0.836442	1.279008	0.807503	1.900557	0.877865	NA	0.876227
LIN7C	0	-0.56605	1.454858	-0.04674	0.786287	-0.06483	0.270261	0.521568
ATAD3A	0	1.236653	1.926032	0.451886	1.366084	0.724376	1.29785	1.585501
NDST2	0	1.007277	1.395813	0.654684	0.534428	0.784243	0.005802	0.232529
TMEM165	0	0.427086	0.869606	0.716442	0.342316	1.311835	0.706892	0.589567
ADRM1	0	1.537955	1.981581	0.899585	0.611001	1.39945	0.763975	1.201064
ARPC2	0	1.348679	1.126773	1.340985	0.573749	1.218859	0.993764	0.632041
GRB2	0	0.245924	0.739058	0.46641	0.675612	0.871412	0.771467	0.607697
ETS1	0	1.114681	2.326028	0.660119	0.256227	0.330953	-0.05205	0.574891
NUP188	0	1.09481	1.416663	1.162842	1.326869	1.53678	1.477644	1.168491
FZR1	0	0.849701	1.280713	0.096566	0.181977	1.655629	-0.01956	-0.35685
BAG4	0	0.924878	0.49251	0.223298	1.22211	0.579441	2.352466	1.712422
IER5	0	1.035548	1.222232	0.366656	0.681612	0.361393	0.535037	-0.35035
CS	0	0.675205	0.849059	-0.62766	1.12673	-0.07194	1.062462	-0.03335
PCGF1	0	1.627613	1.547451	0.549006	0.547053	0.187885	NA	0.984935
DFFA	0	0.557253	1.44072	-0.22072	1.003069	0.500781	0.282833	1.101341
RREB1	0	1.130463	1.579269	0.819281	-0.00891	1.648539	1.09815	0.492941
CNDP2	0	0.926165	1.58726	1.369441	1.316228	1.411942	1.190039	0.604616
SHD	0	0.168841	0.496327	0.599312	1.19258	1.153513	0.391871	0.454099
PPAN	0	2.008565	1.590023	0.558424	0.51952	1.209005	1.868301	0.717386
TRIM16L	0	1.840162	1.044019	0.038519	0.594739	0.348552	-0.24957	0.613285
DIAPH1	0	1.350999	1.710887	0.525376	0.329872	1.390127	1.343022	1.268434
METTL11A	0	1.139344	2.058945	0.471369	1.334145	0.295599	1.307921	0.743886
IQCG	0	0.809751	1.406411	1.526451	1.449864	1.793459	0.931958	2.251077
CELSR2	0	1.35694	1.050131	1.086252	1.00839	1.500023	0.713878	0.244719
ERF	0	1.626658	1.574215	1.223617	1.661407	0.919145	1.200046	0.696704
TMEM191	0	1.151984	1.322418	-0.051	0.929532	0.325929	0.867822	1.202907
AIMP2	0	0.582894	1.143535	0.790447	1.261792	0.849577	0.741703	0.796256
FTSJ1	0	1.054424	1.783762	0.440947	0.004031	1.005011	0.808582	1.136458
RPUSD2	0	0.397931	0.66653	0.408673	0.890161	0.889851	0.796082	1.323176
PYCRL	0	1.425149	2.013925	0.92096	0.911079	1.295655	0.417809	1.827108
CCDC99	0	1.386459	1.272789	0.38434	0.970734	0.911344	0.982711	0.568468

SSR1	0	0.409498	1.00574	0.385533	0.340348	0.290557	0.652613	0.335801
MTHFD1L	0	0.827946	0.972871	-0.36306	0.957306	-1.27366	-0.39284	1.113674
GSTZ1	0	1.735017	1.643617	2.171368	1.107797	1.842052	1.339396	1.924656
MIS18A	0	1.570205	1.066306	0.862033	1.442723	0.782417	1.366351	1.860655
SURF6	0	1.609946	NA	1.072095	0.637692	1.295427	2.040978	1.612389
CTSB	0	0.715433	0.148955	0.609435	0.29339	0.154853	1.269688	0.999962
DDI2	0	NA	1.041632	0.824723	0.862579	0.646334	1.029574	0.948274
PABPC3	0	1.699243	1.370813	0.659966	0.420788	0.523758	1.03229	0.387369
LSM4	0	1.881372	1.539344	0.74146	0.823203	0.82068	1.458883	1.475456
LOC2848E	0	0.791027	1.583112	0.014367	0.391149	0.372718	0.268126	0.942208
C18orf21	0	0.32576	1.364354	NA	0.742322	0.756708	0.698535	1.406502
HSPB11	0	0.521469	1.548255	0.681027	0.807632	0.716815	1.357119	2.208864
CDCA7L	0	1.543444	1.089114	0.629825	1.460679	1.668309	1.536161	1.780392
ATP1A1	0	1.243787	1.652031	2.594191	1.864239	1.75972	1.971919	2.030885
TCF20	0	1.022375	0.855187	0.226555	0.758871	1.115873	1.273884	0.608741
TECR	0	1.407675	1.309109	0.498903	0.353013	1.233909	1.571506	-0.36425
PSMG3	0	1.306464	1.457432	2.826232	1.108627	1.394944	1.204723	0.929564
PA2G4	0	0.51769	0.7956	0.427698	1.020196	-0.03248	0.460997	1.038828
VANGL1	0	0.530791	1.318979	0.614444	0.204106	0.771957	-0.17208	0.199796
SLC2A1	0	0.949477	1.484555	-0.03597	-0.29621	1.33893	0.648106	0.027682
PI4K2A	0	2.192147	1.510577	1.075714	0.723914	NA	1.149148	1.029113
NPLOC4	0	1.631352	1.094582	1.281923	1.055905	1.762615	1.046629	1.33904
POMP	0	0.854857	0.860778	0.769209	0.566218	0.546204	1.044906	1.577029
IPO13	0	1.447005	1.789771	1.035502	0.93466	1.172775	1.229303	0.851327
TMEM41A	0	0.773632	1.074075	0.364464	1.448764	1.025032	NA	1.06638
COMMD9	0	0.919135	1.548505	1.429713	0.707335	1.6106	1.308336	1.785574
CDK5	0	0.8791	2.040178	1.056934	0.724814	1.444076	1.086455	0.939428
C20orf27	0	1.293479	2.380016	1.340974	0.790271	1.171933	0.994648	0.940519
MIF	0	0.850485	1.015946	0.324047	0.455183	0.309414	0.358054	0.816788
TCEB1	0	0.833866	1.410327	0.632896	1.059335	0.673226	0.454763	1.059311
FAM203A	0	0.356591	1.164622	0.317935	1.194503	0.625918	0.55704	0.94812
YWHAE	0	0.676918	0.932867	0.750537	0.316025	0.560295	0.186444	1.351536
TMEM141	0	0.274016	1.251199	0.909167	1.436869	0.327243	-0.21915	0.767377
ACAD9	0	1.557661	1.304125	1.162422	1.391932	2.068702	1.142662	2.21812
ISOC2	0	0.811838	1.447386	0.652614	1.69151	1.09473	1.633771	1.802692
ATP6V0CF	0	1.191181	1.389159	0.408525	0.715235	0.940167	1.304498	0.424409
TOP1	0	0.633111	0.981172	0.323261	1.222186	0.967926	0.867073	0.447038
TNFAIP8L	0	0.563671	1.29794	0.602672	1.635104	1.49764	0.958295	1.680445
CLP1	0	0.318239	0.923256	0.180831	0.934851	0.71458	0.848699	1.097634
TP73	0	1.165589	1.058612	-0.11921	1.46851	0.910938	1.711298	2.245335
ATXN7L3	0	1.199942	1.367986	0.954709	0.455229	1.57767	1.430882	1.317698
RAB12	0	1.00988	1.113274	0.891913	2.053228	0.946739	0.820877	0.715618
FBXW9	0	1.62139	1.672192	0.286499	0.311898	0.845391	0.202601	0.903074
TRIM25	0	0.826987	1.101598	NA	1.416004	0.970621	1.405405	0.417045
SNRPG	0	0.667888	0.596304	-0.05361	0.912416	-0.45958	0.613424	1.393514
LRRC45	0	1.515341	1.350547	0.892473	1.014878	1.715254	1.260521	1.931152
POLR2L	0	-0.365	1.358458	0.232054	1.143004	0.566783	0.524113	1.158064
CLPTM1L	0	NA	1.484037	1.024738	0.866888	1.236587	1.603499	0.770619
CIRH1A	0	0.920728	1.803336	0.437411	1.273179	0.780869	0.80549	1.485817
PRDX1	0	0.538368	0.603348	0.520408	1.248105	1.29993	1.113857	1.499895
IREB2	0	0.728894	0.913965	0.888509	0.573495	0.783497	1.213383	1.075792
DNAJA2	0	0.871487	1.200393	-0.00084	0.549845	0.602137	0.963111	0.454547
NIPBL	0	0.499989	1.148709	1.161778	0.733034	1.028593	0.721947	1.210998
TUBB6	0	1.181311	1.268805	0.477455	0.723182	0.849202	0.340422	1.063464
PALB2	0	0.569393	0.598624	0.165593	1.446572	0.466585	0.200345	0.996991
TFG	0	1.406468	0.800968	0.902357	0.50591	0.887994	0.964647	0.486466
APTX	0	0.70089	1.446812	0.761015	1.505975	0.460136	1.062852	1.418574
TMEM51	0	0.906587	1.786956	1.263621	1.047246	1.100029	1.488137	0.903317

NOL6	0	0.646871	1.986203	0.759959	1.571679	0.317357	1.263522	1.184501
BRMS1	0	0.915059	1.504028	0.598379	0.668253	1.767359	0.996425	0.979208
TMEM57	0	0.685223	1.533972	0.88058	0.552356	1.292837	1.252949	0.31477
COG8	0	0.665105	1.043519	0.532949	0.977205	0.840154	0.625895	1.17329
NME2P1	0	0.449989	0.66037	-0.0641	0.340793	0.241304	0.538059	0.971798
LOC49415	0	0.769573	1.166869	0.190378	1.075148	0.792367	0.919989	1.188737
SAT1	0	0.892361	0.63621	0.93401	0.340984	1.270583	1.198878	-0.06373
ATMIN	0	0.869998	1.012381	0.689612	1.213778	1.340182	1.491791	1.396224
TGFB1	0	2.094508	2.099599	1.13809	-0.0306	1.389869	0.423748	-0.20418
PTPN14	0	1.59175	1.621608	0.433725	0.344909	0.337826	0.507165	1.026875
FAM103A:	0	0.629804	0.74009	-0.10664	0.759124	0.205476	0.056307	0.123005
SLC25A19	0	0.448513	0.785383	-0.37369	0.992765	-0.14686	0.259197	0.652858
TUBB2A	0	1.334069	1.431188	0.653035	0.126352	1.252739	0.676381	0.511347
CDK2AP2	0	0.663186	1.492082	0.039117	0.491867	1.240944	0.912305	1.495658
CLCN7	0	2.185041	1.8242	1.334427	1.060193	1.625299	1.358106	0.915859
MTHFS	0	0.890845	0.865059	0.647054	1.151806	0.778952	0.472379	2.137541
CCDC134	0	0.596014	1.181233	0.607126	0.849824	0.695186	0.923974	1.02597
SSFA2	0	1.204719	1.412044	1.508095	0.699758	1.293315	1.445421	1.419772
PCGF3	0	1.46044	1.538727	0.874787	1.149467	0.813717	1.814403	1.227386
IQCE	0	1.698598	1.616324	1.792958	0.458051	1.326086	1.514054	0.881006
PTK2B	0	1.460074	1.191825	1.056998	0.434544	1.31762	1.665666	1.235454
C7orf49	0	1.159836	2.054951	1.033	0.850092	0.565413	0.589425	2.072999
BROX	0	1.179152	1.124821	0.464331	0.287127	0.169215	0.802999	0.875364
UBE2W	0	1.006782	1.482173	0.990149	0.803338	1.171789	0.441995	1.262961
HAUS6	0	1.443188	1.456778	0.039538	1.530026	-0.50914	0.505028	1.275315
TKT	0	1.056411	0.894843	-0.67639	0.797039	0.036086	0.076265	1.430343
RCOR1	0	1.48041	0.826959	0.865762	0.646454	1.136463	1.034521	1.024937
STXBP2	0	1.274556	2.444942	1.535526	0.857814	1.175384	1.253683	0.836811
LOC64939	0	0.652042	0.694391	0.880894	0.205441	0.964476	0.150687	1.67849
CRIP1	0	0.915927	0.836304	0.925488	0.223055	0.803125	1.115973	1.473185
SLX1A	0	1.741752	1.767763	0.931258	1.47895	1.470877	1.58779	1.193247
SSR3	0	0.129086	1.188949	0.766911	0.235914	0.772671	1.56491	1.127928
WNK1	0	1.463371	1.240013	2.08016	0.079696	1.735339	1.898665	1.88255
ALDH4A1	0	1.401061	0.735086	0.614688	1.289237	1.687481	1.313804	1.533283
MAEA	0	1.334889	1.433236	0.824112	1.012567	1.705506	1.343525	1.255109
VDAC1	0	0.860753	1.581668	0.683833	0.275483	0.877493	1.267299	1.274458
TUBB	0	1.759581	1.923075	0.314405	0.914409	0.955193	0.397609	1.330786
DCAF10	0	1.075615	1.688211	0.356477	1.193309	0.151421	0.785178	0.954566
ADAM17	0	1.731556	1.573951	1.849107	0.275922	1.40032	1.606781	1.504959
TNPO1	0	2.013874	2.135166	1.967876	0.484842	1.065777	1.440536	1.693019
NUDT1	0	1.387186	0.771397	NA	1.335714	0.801935	1.205833	1.17916
MBOAT7	0	1.367548	1.435337	0.648341	0.930915	0.95831	1.463649	1.566714
AK2	0	-0.80255	0.675741	0.338025	1.203024	0.501569	0.54623	0.906729
MED31	0	0.601463	0.544703	0.793126	0.789689	0.829345	0.231183	0.777259
USP14	0	0.561702	0.974853	0.375444	0.785736	NA	0.476953	1.183674
FARSA	0	1.178933	1.118819	0.165476	0.695443	0.461203	0.689884	0.133618
ANKRD13	0	1.577543	1.698402	1.495948	0.727998	1.92429	1.419571	1.540136
USP4	0	0.975447	1.809161	0.613235	1.02906	0.749811	0.032474	0.666451
SNRPD3	0	0.707219	0.667638	0.394153	1.082191	0.622534	0.57674	0.82463
ACY1	0	0.972277	0.837358	-0.36981	0.740319	0.132034	0.017956	1.635246
TMEM164	0	NA	1.089291	0.492698	0.834424	1.410526	1.033493	1.019539
THOC3	0	1.492765	1.25434	0.726965	0.263161	0.981577	0.453754	1.540147
ITGB4	0	1.499196	1.406459	0.580635	0.895814	1.518697	NA	0.945261
PITPNA	0	0.552889	0.312247	-0.15867	0.830411	1.187411	-0.51681	0.259741
UBE2G1	0	0.953082	0.29269	0.247878	0.405487	0.278484	0.042064	0.200962
MRPS5	0	0.675961	1.212863	0.17966	0.513233	0.489709	1.014347	1.197426
CCDC167	0	0.736916	0.793635	0.51336	0.630972	0.560519	0.648599	0.054443
LOC44242	0	0.681091	1.394925	-0.1987	NA	1.124998	0.936823	1.537355

ZNF200	0	0.752934	1.088719	0.711728	0.717626	0.189897	0.865094	1.277495
XPNPEP1	0	1.216255	0.711684	0.435281	0.462959	1.060816	1.175627	1.634412
MRPL4	0	2.305134	1.300589	0.184568	0.491425	0.707194	2.408143	-0.02655
RANBP1	0	0.86888	1.122146	0.203008	1.252483	0.91593	1.042188	1.606728
UTP14A	0	-0.05311	0.63612	-0.08076	1.281312	0.61763	0.374319	0.749599
RAE1	0	1.067537	1.16175	0.196064	1.281243	1.309968	0.99662	0.91668
NOL12	0	1.005451	1.439285	-0.01168	0.379689	0.643557	0.31445	0.716158
DPH2	0	0.012758	1.283052	0.451331	1.197815	0.959066	0.576006	0.92611
TBC1D23	0	1.281485	0.996511	1.9315	0.281365	1.143891	0.62614	0.835758
AEN	0	0.197268	1.456151	0.952216	0.707188	0.725171	0.586203	0.093662
YTHDF1	0	0.727977	0.832462	NA	0.896108	0.957856	0.897251	0.28162
ZC3H8	0	0.296151	0.407648	0.146826	1.140644	-0.0337	0.415906	0.922861
PSMC4	0	0.744866	1.287493	0.658866	1.137546	1.209112	1.072701	0.920776
CCT3	0	1.225904	1.230668	0.980324	0.811662	1.359335	0.87561	1.450901
PPP2R4	0	1.21636	1.558454	0.922967	1.067793	1.180365	1.053713	1.340931
STX1A	0	1.170796	1.16654	0.769446	0.69393	0.072015	0.306488	0.331522
SLC26A6	0	1.626117	1.942346	0.889824	0.704436	1.267698	0.912625	1.674424
MXD4	0	1.312782	1.945713	1.117698	0.12642	1.295332	0.828216	1.176816
C19orf22	0	-0.06347	0.88117	0.82408	0.492954	0.610613	0.335973	0.204107
CSNK1G1	0	0.967802	1.539752	0.91703	NA	2.092912	1.43433	1.80755
FKBP1A	0	0.685708	1.335168	0.969136	0.566123	1.384032	0.712507	0.731327
SLC9A1	0	0.786257	1.568463	0.15812	0.429285	0.643683	0.743336	-0.00044
MTERF	0	0.026692	0.754252	0.583899	1.104339	0.059163	1.041822	1.341282
MFSD10	0	1.676204	1.96784	0.550638	0.128253	0.89767	0.72989	0.951824
PIGQ	0	0.018725	1.236616	0.620366	0.942004	1.691092	1.142679	0.786341
TOM1L2	0	0.486268	1.220812	0.600796	0.161818	1.883308	0.279826	1.640886
TBC1D14	0	0.826356	0.251738	1.077534	0.988951	1.426338	1.129212	0.915909
TMEM206	0	1.26405	0.657444	0.203858	0.387247	-0.02361	0.536314	0.868591
CFL1P1	0	0.641935	1.199411	0.769405	0.105865	1.591048	0.729322	0.832711
MRPS18C	0	0.096122	1.341768	0.62592	1.115264	0.689268	1.166993	1.087833
TEAD4	0	1.652077	1.356871	0.357895	0.403751	0.698547	1.033393	1.58256
GALNT10	0	0.343811	1.792279	1.733663	-0.48891	1.411099	1.124256	0.91191
AACS	0	1.121395	1.122321	1.254013	0.867362	0.592209	1.004276	0.95415
SLC35E1	0	1.612312	0.99756	0.892079	0.715229	0.864647	0.518698	-0.15402
CMIP	0	1.146953	0.814213	0.256623	0.80966	0.646481	0.817869	0.159396
RNF217	0	1.017542	1.139471	0.84812	0.954412	0.452121	-0.61048	0.47037
LDLRAP1	0	1.300155	1.575909	1.096683	1.094683	1.865423	1.535433	1.40585
GOT2	0	0.779189	1.35331	0.0444	0.523547	0.807357	1.464757	1.05315
DDA1	0	0.683635	0.95471	0.702204	0.022435	0.497377	0.735719	0.195758
SLC43A2	0	-0.31775	0.14015	0.487382	1.194943	2.219036	0.140204	0.789561
IDH3A	0	0.150594	0.447152	-0.00211	1.901692	0.354074	0.775161	0.042657
RLIM	0	0.17815	0.372524	0.298115	1.000136	0.454429	0.098293	0.40045
NRBP1	0	1.854004	1.601542	0.998607	0.501648	0.835744	1.063562	0.895504
NT5C3	0	0.77116	0.82969	1.220359	1.11806	1.300025	1.313204	0.545206
GMPPA	0	1.327291	1.877483	1.048014	0.57337	1.290686	1.200213	0.422962
WDR67	0	1.642346	1.041545	0.649554	1.037841	0.329232	0.2882	0.904129
POLR3B	0	0.639987	0.217605	0.517954	0.932353	0.618133	0.833443	0.509398
HARBI1	0	0.355778	1.285227	0.904777	0.588324	0.850574	0.31191	0.482166
TOP1P2	0	0.60837	0.86353	0.305652	1.076854	0.856145	0.68476	0.433177
PRKCI	0	1.009616	0.256002	1.04238	0.738227	0.842495	0.72231	1.307106
USP24	0	0.070407	0.596623	-0.28931	0.72252	0.77203	0.357321	0.934085
HSBP1	0	0.604536	0.426175	0.171315	0.693279	0.288534	0.404024	0.59783
EFTUD2	0	0.450432	0.255363	0.467298	1.201723	0.833767	0.483661	0.699923
GTF3C2	0	1.536522	1.64678	0.25454	0.287098	0.394699	1.283685	0.86839
TRNAU1A	0	0.960091	1.166392	0.447243	1.004989	0.474931	0.339058	1.541449
MCCC2	0	-0.33064	1.059339	0.050331	0.727453	0.932551	1.0643	1.009338
LIPT2	0	0.464418	1.364555	0.938316	1.294256	0.792259	NA	2.214204
KIAA0664	0	1.129221	1.396326	0.655808	1.154795	1.299701	1.225946	1.11509

N4BP2	0	0.827036	-0.12662	1.528546	0.791968	0.658194	1.044587	1.456201
MIOS	0	1.535602	0.793686	2.019007	0.988936	1.449178	1.267734	0.33142
TAF10	0	0.731892	1.414036	NA	0.492349	0.615162	0.695244	0.697192
RXRA	0	0.529838	0.569596	0.3521	0.881233	0.239154	1.164173	0.803555
CCDC76	0	0.367113	1.162446	1.510516	1.377435	1.331002	1.24354	1.956284
RAB7A	0	0.868894	0.709786	0.805174	0.333252	1.0183	0.624982	0.821268
MYPOP	0	1.901999	2.207962	NA	1.634982	1.412331	1.703592	0.722291
NIPSNAP1	0	1.130694	1.223331	0.506718	0.945111	0.767272	0.565856	1.491661
FTSJD1	0	0.950599	1.109422	0.989691	0.887957	0.528818	0.692937	0.38166
OSBPL2	0	1.37789	0.786998	0.707518	1.260912	2.077471	1.177864	0.154456
C14orf2	0	0.823203	0.985333	NA	0.852582	0.968793	1.215225	1.152167
FKBP3	0	0.881042	0.807078	1.493789	0.70171	1.317605	1.120482	1.424203
C11orf51	0	1.072334	1.693859	0.564171	0.666346	0.080675	0.784481	1.524279
SLIRP	0	0.386855	1.048114	0.532501	1.250809	0.53244	0.940571	1.080376
ZSCAN29	0	0.323624	1.099213	NA	1.300947	0.721894	0.818951	1.006165
HIATL1	0	0.877083	1.167624	0.715897	1.657764	0.707722	0.751274	0.452853
CHMP1A	0	1.457092	1.531637	0.808732	0.781114	1.051914	0.845247	0.942744
UBL4A	0	0.843598	0.683733	-0.05326	0.767871	1.479895	0.951743	1.51959
GEMIN7	0	2.110795	0.798804	0.235997	1.441054	1.020539	1.147663	0.972072
NAA11	0	0.914876	1.647333	0.039468	1.259521	0.67922	0.600183	0.820569
RBAK	0	NA	NA	1.146863	0.4937	1.336419	1.051537	0.76269
CCDC93	0	1.205984	1.138178	0.923784	0.443701	0.28346	1.50868	1.143046
TNKS1BP1	0	0.832989	1.334881	0.688347	0.152997	1.183148	1.125257	-0.2245
TPM3	0	1.050336	0.79481	0.541212	0.750552	0.714693	NA	1.131417
STX3	0	0.859636	2.263207	0.962444	0.460586	0.965831	NA	0.396775
MKI67IP	0	0.044692	0.59406	0.188973	0.974343	0.233899	0.301919	0.676543
E2F4	0	1.275864	1.880408	0.63652	0.425745	1.212664	1.042347	1.158792
STK16	0	1.740577	NA	1.341028	0.813377	1.717609	1.485316	1.587265
TBCC	0	0.912371	0.909168	0.515101	1.030511	0.750999	1.093197	0.986552
ARFGEF2	0	0.685656	1.129233	0.454272	0.86177	1.382884	0.897032	0.964985
DCAF11	0	0.530471	0.980805	1.333661	0.578178	1.447798	1.161715	1.298959
FARSB	0	0.809274	1.289125	NA	0.760691	0.436762	0.57825	0.243734
RB1	0	0.912805	0.675998	1.005742	-0.00277	0.635274	0.916571	1.042562
TLK1	0	1.062228	1.270168	0.583525	1.27379	0.396952	1.107841	1.431177
UBE2V1	0	NA	0.746099	NA	0.394232	0.853521	0.299137	0.420403
TAF9	0	-0.34205	1.162369	0.428543	0.414283	0.360703	0.678135	1.28798
THOC6	0	0.572012	0.726548	0.483976	0.873908	0.400604	0.464865	0.214625
UBE2I	0	1.119912	1.167391	0.672974	NA	0.974724	1.308269	1.064211
SLC39A3	0	-0.06636	0.847026	1.274413	0.370606	1.258031	-0.17943	0.2235
R3HDM1	0	0.562889	0.641525	NA	0.941493	0.918224	1.021853	1.537804
MYL12B	0	0.733417	0.421083	0.787845	0.444227	1.017238	0.384781	1.017436
METTL1	0	0.418848	1.156672	0.504262	0.981158	0.977421	0.695066	1.204768
CSNK2A1	0	1.302691	1.347214	1.399437	0.458259	1.39963	0.888217	0.470288
TYRO3	0	0.881066	0.473002	0.418055	0.816552	1.064722	-0.13163	0.384143
HDAC1	0	0.598889	1.079518	0.691274	1.170395	0.962643	1.253825	1.303263
MYLK2	0	1.264537	1.154541	2.95125	1.08258	1.317897	0.903767	1.74281
SPATS2	0	1.225761	1.192669	0.753893	1.10836	0.722139	0.988483	1.367044
MFSD9	0	0.413545	0.336003	0.250971	1.085057	0.157121	0.897516	0.664741
DCAF7	0	1.327691	0.907535	0.260508	0.431441	0.772401	1.786429	1.479375
DOT1L	0	1.271288	1.143356	1.208592	1.033164	1.236878	0.720332	0.185561
CNIH4	0	1.027842	1.017321	0.777237	0.545403	1.213812	0.765896	1.207203
TMEM191	0	0.546062	0.868528	-0.43771	1.015452	-0.06647	0.551828	0.870572
ZNF385A	0	NA	0.763784	0.729795	0.766897	1.063163	1.115585	-0.31401
HSPBP1	0	1.219887	1.520176	0.351175	0.888365	1.430601	1.450565	1.898622
DAXX	0	1.3529	1.072837	0.842884	0.662228	1.078543	1.233706	1.154976
RCE1	0	0.854729	1.503496	-0.01312	1.106799	1.866916	0.47055	1.027355
ATP13A1	0	1.813889	1.816938	1.21012	0.632748	1.447183	1.537118	0.138643
PSME3	0	0.97034	1.104875	0.392864	0.746272	0.838854	0.829311	0.812013

NAA10	0	0.875658	1.404241	NA	1.090431	0.534352	0.505736	0.690251
RPRD1B	0	1.214813	1.674152	1.333128	1.242799	1.673961	1.578797	1.953104
FAM207A	0	1.072202	0.590731	0.547111	0.869564	0.847412	0.890784	0.951866
KATNB1	0	1.615476	1.472246	0.476048	0.894998	1.78242	1.179428	0.777017
DAZAP1	0	0.302318	0.610988	-0.10468	0.671454	0.30256	-0.34315	0.38437
COQ4	0	1.306586	2.005808	1.610055	1.466407	1.316359	1.431088	1.130485
PPM1J	0	0.800125	1.818914	0.597993	1.024946	0.756739	0.172208	0.571651
EIF6	0	0.769176	1.217378	0.181111	1.118732	1.399966	0.541557	0.752255
AGPAT3	0	0.585009	0.339669	0.580704	0.57691	0.770586	1.431221	0.177125
IPO4	0	0.834005	1.041601	0.331934	0.827084	1.229481	0.414125	0.323309
SNAP29	0	0.81036	1.097601	0.956628	0.311474	1.073332	1.189601	1.436496
NOP10	0	0.105624	0.44355	0.233998	0.368779	0.04946	0.087818	-0.01467
MRPL52	0	0.238413	1.019214	0.405227	1.41507	0.54805	0.369761	1.044398
APOO	0	-0.00854	-0.04399	-0.15963	0.879814	-0.01949	0.12962	0.600931
UBE2MP1	0	1.218357	1.42455	0.334962	1.047579	0.967044	1.309686	1.350884
RNF44	0	NA	1.115071	1.468783	0.795457	1.997926	1.685193	-0.36557
CBFB	0	1.277398	1.283729	1.474859	1.374753	1.289736	1.380645	1.340565
LOC44029	0	0.816398	1.182088	0.304597	1.229316	0.743967	0.771012	1.612628
TMEM93	0	1.025247	NA	0.178694	1.174011	0.311236	0.089454	1.106544
WDR77	0	0.352303	1.474792	1.174983	1.13057	1.083067	0.958233	1.067974
COG4	0	1.422373	1.622226	1.071698	0.544673	1.11297	1.029302	1.474242
RAB2A	0	0.33635	1.073235	0.611917	0.243494	0.247222	-0.16556	0.247891
PSENFEN	0	0.393591	1.014028	0.453267	0.827504	1.064087	0.812248	1.345475
GLE1	0	0.862108	1.070302	0.507647	1.624199	0.53959	1.509667	0.847106
TP1P2	0	0.996461	1.269334	0.428558	-0.17157	0.537397	0.421254	1.372906
PEX10	0	0.374257	1.246085	NA	0.189806	0.617568	0.361818	1.127652
BRAF	0	0.466933	1.001357	0.574203	0.857255	0.62283	0.403897	0.49118
AGPAT6	0	1.575857	1.134893	0.773175	0.975395	0.736347	1.578412	0.715696
C9orf156	0	0.923647	1.714932	NA	1.328963	NA	1.001244	1.220526
SERP1	0	0.406151	NA	0.417061	0.61564	0.510431	0.529049	0.300633
PTPN4	0	0.844341	1.112956	1.323725	0.530859	0.885905	0.813475	1.202376
LARP4	0	0.172286	1.009088	0.751543	1.129543	-0.54146	0.807267	1.18044
ARPC3	0	0.540445	0.090912	0.511431	0.597161	0.190676	0.293328	0.83784
TADA2A	0	0.736335	0.430821	NA	1.557716	0.643082	0.104641	0.783718
CXorf38	0	-0.09964	0.946798	0.418255	-0.03238	0.301576	1.025134	0.740285
IFNGR2	0	0.901037	1.063293	0.650433	0.208003	1.127478	0.627864	0.882899
JMJD4	0	1.072737	1.003126	0.271619	0.624293	0.624397	0.569503	1.032137
NIT2	0	0.365075	0.912264	0.872367	0.914367	0.604014	-0.12331	0.754775
ALDOA	0	1.376397	1.947682	0.27977	0.651411	1.200668	0.365738	0.799223
DGKZ	0	1.077947	0.566804	1.267219	0.355457	1.114589	0.650114	0.822364
PLAGL2	0	0.92292	0.610803	-0.11108	1.188609	0.283981	0.777757	-0.03582
MFN1	0	0.807585	0.727151	1.214539	0.831086	1.431826	0.764559	1.329739
ZDHHC16	0	0.570625	0.721361	0.270224	0.677518	0.249843	0.49945	1.142017
INO80B	0	2.140738	1.46237	-0.12134	1.255803	0.518358	0.733729	1.280239
YIF1A	0	0.038396	1.421082	0.52424	0.310473	NA	0.3336	NA
ATP6V0C	0	0.423582	0.532056	0.283212	0.631669	0.568158	0.993266	-0.51745
MR1	0	0.716533	0.887291	0.845065	0.607349	1.049945	0.904651	0.736442
LRRC42	0	0.749817	1.015413	-0.11342	0.555111	-0.14365	0.372603	1.242434
RSL1D1	0	0.439848	1.192536	-0.12347	0.354645	0.045818	0.80819	0.583853
VCP	0	0.51468	0.407642	0.359958	0.91719	0.385411	0.38005	0.255722
GFER	0	0.373566	1.179705	0.696305	0.052662	0.782636	1.067635	0.941821
SF3A3	0	0.326122	1.262915	1.047996	0.724003	1.041706	1.135245	1.289838
ANAPC2	0	NA	1.654737	NA	1.291616	1.940358	0.970553	1.485876
CLEC4M	0	0.201221	-0.02921	-0.08051	1.297906	0.442942	0.822122	1.419367
RAI1	0	1.343692	1.41594	1.374627	0.832836	1.681035	1.130165	1.061403
C6orf62	0	0.603638	0.511079	1.157178	1.019184	1.253525	1.428064	1.388676
SPNS1	0	1.29042	1.642377	1.083512	0.212019	1.458664	1.097995	1.087109
SAR1B	0	-0.3426	0.820212	0.356246	0.862888	0.44133	0.973246	0.6655

RCCD1	0	0.825192	1.118465	0.498005	0.957931	0.940191	0.63124	1.281332
ANKRD2	0	0.677466	1.488056	0.609663	0.81878	0.439554	1.112966	1.018914
DUS1L	0	0.908156	1.17096	0.698549	0.606351	1.327563	1.211173	0.913834
ZNHIT2	0	0.653993	1.727099	0.410344	NA	1.532946	0.636399	1.075243
HMGNI	0	0.150779	-0.17878	0.04798	0.676129	0.04939	0.309055	1.097982
ABCE1	0	0.13279	0.600862	NA	0.490452	0.41389	0.617283	1.600498
SLC46A1	0	0.403463	0.91166	0.003737	0.150156	0.621001	1.433134	0.8686
HSD17B8	0	1.52878	0.567988	-0.23355	0.892425	0.150433	0.855943	1.462474
ITFG2	0	0.986121	1.058382	0.578938	1.080845	1.384327	1.846507	1.307685
SYT7	0	0.217008	1.455567	-0.12253	0.632055	1.455358	-0.12658	0.735821
NCAPD3	0	0.776397	0.776603	0.015694	NA	0.324744	0.793436	1.245917
BCL2A1	0	0.296175	0.646519	0.978666	0.673833	0.876095	0.399194	-0.11607
TOMM22	0	0.20963	0.769498	0.062569	0.530834	0.662035	1.060405	0.810156
SH3BGRL3	0	0.938579	1.033531	0.686879	0.280963	0.962577	0.931977	0.115339
EFNA4	0	0.282937	0.355352	0.797197	1.086294	0.647787	0.713917	-0.14305
WDFY3	0	-0.04641	0.838161	0.319138	0.713938	NA	0.452597	1.165751
EPS15L1	0	0.789127	1.182269	0.554502	0.550905	0.766132	1.046339	0.56931
EIF3B	0	1.226024	1.206192	1.391754	0.677176	1.368768	1.097624	0.943282
KDM2A	0	0.900349	1.435172	0.809423	0.44049	1.296884	1.019261	0.520985
PIIB	0	0.087282	0.788806	0.364033	0.254972	0.360267	0.371458	0.679051
LACE1	0	0.175043	0.999112	1.088603	1.040666	0.965542	0.605414	0.463303
TSSC1	0	1.047516	0.746819	0.221252	0.460391	0.245721	0.608125	0.964478
DDX3X	0	1.445356	0.900445	0.060592	0.167198	0.453914	0.979144	0.708999
MRPS11	0	0.018739	1.091955	-0.23108	1.134289	0.116173	0.326426	0.70831
METTL2B	0	0.584063	1.006038	0.832587	0.584333	0.808207	1.312588	1.206703
PSMA7	0	0.892094	1.579308	0.486126	0.733158	1.349016	0.850351	1.299775
NUTF2	0	1.150695	1.168402	0.724959	-0.13322	0.799245	0.872681	0.85411
ANAPC7	0	0.467799	0.725456	0.948237	1.287846	0.700706	0.72695	1.031432
OGFOD1	0	0.44132	1.136954	0.07741	0.201913	0.267275	0.188175	0.358418
ALG12	0	0.880095	1.462077	1.141428	0.241106	1.63445	1.266597	1.720569
ABCF3	0	0.643301	0.598122	0.842221	0.75068	1.036279	0.724304	1.136159
SNRPC	0	0.480028	0.707766	0.304392	0.827565	0.641154	0.809657	1.340141
GOPC	0	0.373247	1.440836	0.949131	0.295212	0.532259	-0.12219	0.988383
SDCCAG3	0	0.209861	1.506644	0.657797	1.089586	0.661141	-0.02097	0.557349
NCOA5	0	0.497093	1.157001	0.884646	0.611495	0.856222	0.694226	0.435063
UBAP2L	0	1.124578	1.375474	0.132404	0.932893	0.873936	0.376456	1.042153
TOR2A	0	0.972469	1.168589	0.873248	0.749438	1.045627	0.995981	1.385252
ACTN1	0	0.617358	-0.07194	0.425671	1.125661	0.317412	0.494078	1.673446
COX16	0	-0.24494	0.189062	0.76046	0.561743	0.479013	0.456084	0.677253
RBM8A	0	0.633739	0.105661	0.485829	0.979288	0.758414	0.46122	1.034595
CIAPIN1	0	0.911581	1.309935	0.570035	0.681851	0.823089	0.966933	1.073348
RIOK1	0	0.343128	0.273503	0.209484	0.663131	0.131645	0.54153	0.682936
CASKIN1	0	1.132259	0.950939	0.625837	0.840569	0.868743	1.073595	0.85565
ADPRHL2	0	0.694121	1.480575	0.168795	0.647127	1.043273	0.830166	1.117988
CASZ1	0	0.399641	0.14285	-0.07974	1.003356	1.141364	0.520691	0.53497
MAD2L1B	0	1.18226	0.981913	0.704744	0.790743	0.421728	0.991013	NA
PDIA3	0	-0.79664	0.212227	0.31732	0.006698	0.435229	0.325929	1.122602
APEX2	0	0.430486	0.122738	-0.46708	1.069	0.017071	0.120449	-0.13004
BSG	0	0.798175	1.416927	0.046741	-0.08154	-0.76256	0.400713	0.085008
TELO2	0	1.653495	1.453564	0.587669	0.834314	1.173916	1.466856	1.499684
EIF4G2	0	0.34311	0.900421	1.053082	0.371467	1.013779	0.916968	1.107891
MUDENG	0	-0.12686	0.354542	1.015506	1.086228	1.020007	1.014705	0.64212
PPP1R16A	0	1.481405	1.56182	1.052548	0.852779	1.246192	0.419301	NA
LOC3899C	0	0.104933	0.81238	0.684441	0.354244	0.742183	0.874503	0.280375
BRD2	0	0.682412	0.51833	1.108873	0.501835	1.070125	1.445818	1.577375
SLC13A2	0	1.534331	0.978468	0.879019	0.600324	0.377121	1.337903	0.070025
KLF3	0	1.024367	0.870152	-0.07076	0.616795	-0.04324	0.195	0.209138
RGP1	0	0.31822	1.146326	-0.0621	0.877504	-0.20719	0.186005	0.085366

ZNF576	0	2.31915	NA	0.19443	1.628568	0.612893	0.495487	0.896427
C14orf21	0	0.355853	1.006344	-0.42014	0.420481	0.234228	0.10693	0.508195
MAP2K3	0	1.073755	0.938508	-0.02548	0.365914	1.044963	0.364601	0.126082
LOC44089	0	1.277439	1.343818	0.411962	0.907923	0.336266	1.330783	0.884935
SNX11	0	0.550122	0.968883	0.966121	1.149359	1.019671	0.738817	1.139944
C16orf70	0	0.417144	0.635781	0.499517	1.024987	1.06073	1.378941	0.761981
PPID	0	0.200198	0.789741	0.115721	0.227437	0.586557	0.583789	0.685628
SETD8	0	0.48639	0.413332	0.865936	0.790448	0.40611	0.98787	1.120438
KIF26B	0	0.795067	-0.01772	-0.14684	0.833898	-0.03169	0.131325	0.01202
MRPS34	0	0.245845	0.716273	0.139526	0.831111	0.58115	0.804161	0.861949
TSEN54	0	1.037635	0.589686	0.181495	1.084234	1.022319	0.888227	0.852993
UQCR10	0	0.025921	0.441518	0.493084	0.579618	0.412991	0.579112	0.566537
TARBP2	0	NA	1.100699	1.018863	0.842352	0.452863	0.834974	1.676603
CCDC124	0	1.415071	1.44994	0.477747	-0.23867	0.810819	0.820003	0.114341
MAP3K11	0	0.73283	1.423111	0.677166	0.127438	1.844977	1.271172	0.854205
PDZD11	0	0.768566	0.732938	0.606911	1.395901	0.77102	0.57413	1.208471
MRPL37	0	0.301128	0.934377	-0.14547	1.012692	0.678178	0.740564	1.069219
ERH	0	0.735652	0.850329	1.33537	0.654334	1.318599	1.048838	1.669917
MCRS1	0	1.063335	1.259435	0.808207	0.712064	0.825959	0.898912	1.365902
PFN1	0	1.172173	1.376427	0.580754	-0.09412	0.83227	-0.03744	0.899655
SARS2	0	0.183151	1.134857	0.444532	0.951814	0.765765	0.518099	0.953902
RNF167	0	1.110803	0.635753	0.893213	0.727821	1.196951	0.672859	1.210914
NHP2L1	0	0.587074	0.821487	0.146906	0.531414	0.517876	0.705626	0.988056
MECR	0	0.473703	1.187708	0.163631	NA	0.418135	0.682949	1.150445
HPS5	0	0.132228	0.889824	1.272714	0.619096	1.01388	1.0358	1.037948
LOC54147	0	1.172362	1.225774	0.709655	0.664276	0.247323	0.575833	0.766599
SLC38A1	0	NA	0.955002	1.017156	0.731135	0.095256	0.73588	1.197448
DHDDS	0	0.631277	1.12269	0.304538	0.634052	1.005274	0.484671	1.357834
MRPL27	0	0.500387	0.640542	0.468403	0.769561	0.618702	0.745667	0.700968
BRAP	0	0.844996	0.702665	0.496819	0.673163	0.353279	0.741168	1.046039
RRP36	0	0.669262	0.775616	0.57712	0.678354	0.794644	0.448353	1.079644
DEDD2	0	1.459207	1.211188	0.243672	0.955787	0.653417	0.587246	0.256161
CHCHD5	0	0.817883	0.840136	0.090025	0.381567	0.236622	0.165855	0.856771
ASXL1	0	-0.39847	-0.4724	NA	0.147211	0.115437	-0.5665	-0.06214
FLJ43681	0	-1.00707	-0.62002	-0.39003	-0.3982	-0.99853	-1.52469	-0.65238
RPL23AP7	0	-0.89996	-0.86524	-0.55952	-0.44821	-1.06635	-1.50431	-0.68385
RPL10	0	-0.56348	-1.13456	-0.39509	-0.85742	-0.75049	-0.74955	-0.94461
LCE1A	0	-1.31207	-1.15917	-1.38431	-0.58964	-1.2274	-0.9105	-0.92289
MRPL34	0	-0.36545	-0.62377	-0.51431	-0.62798	-0.67471	-0.27744	-1.27305
LMBR1L	0	-0.08136	-0.61201	-0.24738	-0.42917	-0.44638	-0.68723	-0.48258
RBL2	0	-0.91436	-0.93974	-0.4522	-0.74479	-0.76854	-1.29292	-0.66199
KDEL2	0	-0.2564	-0.02218	0.630396	-0.62552	-0.43563	-0.9708	-0.47832
SMAD1	0	-1.06435	-1.02951	-0.37398	-0.38529	-0.4895	-0.73533	-0.46038
N6AMT2	0	NA	-0.96407	-0.69705	-0.47994	-1.12664	-0.784	-0.47186
SLC23A2	0	-0.43522	-1.17422	-0.09944	-0.43192	0.152492	-0.59751	-1.05275
RPL23AP8	0	-1.04551	-1.15272	-1.02711	-0.43956	-1.19623	-1.6148	-0.9411
RAF1	0	-0.22053	-0.20406	-0.62683	-0.64268	-0.36381	-0.46993	-0.84376
F8	0	-0.45727	-1.30253	-0.49323	-1.00576	-0.4129	-1.04818	-0.73748
SPRYD3	0	-0.18333	0.115159	NA	-0.63192	-0.38368	-0.39029	-0.81259
HNRNPA1	0	-0.68899	-0.85922	-0.93249	-0.67396	-0.91666	-0.75095	-0.75758
SRA1	0	-0.50157	0.393214	-0.50857	-0.85528	-0.66809	-0.35119	-0.38727
SWT1	0	-0.36893	-0.46394	0.183952	-0.31275	-0.21461	-0.31633	-0.50406
ING4	0	-0.31735	-0.39691	0.258997	-0.92688	-0.0382	-0.79254	-0.06111
C22orf15	0	-0.49454	-0.79343	-0.0969	-0.46335	-0.97564	-0.67861	-0.50913
COG1	0	-0.54646	-0.33076	-0.62922	-0.65567	-0.74109	-0.7529	-0.76988
MTMR3	0	0.143977	-0.74723	-0.0018	-0.79706	-0.2696	-0.51809	-0.5147
RPAIN	0	-0.46849	-0.6725	0.071234	-0.10961	-0.8675	-0.59372	-0.01035
MAML1	0	-1.33863	-1.18817	-0.9091	-0.78166	-0.93798	-0.94061	-1.73695

PINK1	0	-0.03483	0.185337	0.080276	-0.88647	-0.25535	-0.0937	-0.08579
ZFYVE1	0	0.089616	-0.59698	0.227589	-0.47704	-0.15918	-1.11611	-0.46406
RPL31	0	-0.72837	-1.24605	-0.65463	-0.85718	-1.48388	-0.74335	-0.65819
PIM3	0	-0.72688	-1.37227	-1.22692	-0.4634	-0.87107	-0.48188	-1.39123
C9orf89	0	-1.23554	-0.03644	-0.72834	-0.32122	-1.34246	-0.9893	-0.8156
CDC42EP4	0	0.131847	-0.49643	-0.49925	-0.61552	-0.61891	-0.20081	0.419679
MNT	0	-0.6272	-0.74796	-0.08611	-0.34205	-0.00825	-0.50721	-1.05976
CLK3	0	-0.47735	-0.74205	-1.45818	-0.52711	-1.19996	-1.40599	-1.01932
TCTA	0	-1.13909	-0.14388	-0.49665	-0.15342	-1.19431	-0.92626	-0.49588
TTC19	0	-1.83764	-0.66966	-1.07863	-0.69549	-1.16542	-1.93657	-0.71599
ATN1	0	0.265883	-0.32097	-0.31613	-0.94056	-0.04547	0.09127	-0.6517
ALKBH7	0	-1.18366	-0.29481	-0.34294	-0.83598	-1.03484	-1.06009	-1.03362
SETDB1	0	-0.53485	-1.41364	-0.51952	-0.04699	-0.28978	-0.76543	-0.54457
WDR82	0	-0.17368	-0.15185	-0.3561	-0.63819	-0.65984	-0.56713	0.074178
LOC64551	0	-0.59852	-0.82942	0.196101	-1.05131	-0.62541	-0.7133	-0.55583
FAM35B	0	-0.22678	-0.84952	-0.22762	-0.5786	-0.5257	-0.36262	0.254228
AGPAT1	0	-0.50456	-0.26438	-0.06392	-0.69452	-0.56416	-0.71907	-0.65264
VWA1	0	-0.97941	-0.54156	-0.97164	-0.4082	-0.89884	-0.50195	-1.29003
CNTNAP1	0	-0.33517	-0.62633	-0.72244	-0.26975	-0.60916	-0.68155	-0.74317
CTNNA1	0	-0.62894	-0.63418	-0.41067	-1.0018	-0.26047	-0.434	-0.30287
RMND5B	0	-1.07446	-1.19372	-1.05045	0.019595	-0.64483	-0.34593	-1.67711
7-Sep	0	-0.66193	-0.80723	0.124879	-1.15296	-0.84117	-0.97813	-0.83367
AGL	0	-0.89463	-0.71925	-0.46119	-0.16029	-0.34156	-0.79872	0.70815
ZNF747	0	-1.18522	-0.34825	-1.04087	-0.74176	-0.42839	-1.25147	-0.65322
MATR3	0	-0.79786	-0.9586	-0.53269	-0.81682	-0.72999	-0.7229	-0.52994
OPRK1	0	-1.22989	-0.24648	-0.16521	0.358888	-0.56182	-1.20699	-1.07721
RPL23A	0	NA	-1.1775	-1.15448	-0.52918	-1.25118	-1.655	-0.99743
TFEB	0	-0.08162	-0.66164	-0.21483	-0.46096	NA	-0.43904	-0.18665
GTPBP6	0	-1.57646	-0.9174	-0.5909	-0.53744	-0.97158	-0.83713	-1.25881
NBPF15	0	-0.34846	-1.10078	0.004072	-0.25024	-0.2342	-0.57907	-0.7207
OSBPL9	0	-0.98984	-0.13831	-0.03432	-0.73512	-0.73975	-0.97688	0.256383
SLU7	0	-0.6471	-0.78478	-0.35304	-0.52823	-0.46304	NA	-1.70268
RPL34	0	-1.15191	-0.74026	NA	-0.82903	-0.89125	-0.59349	-0.02734
USP25	0	-0.59879	-1.04809	-0.51132	-0.55483	-0.98638	-0.90978	-0.75671
MTIF3	0	-0.55911	-0.67723	-0.15761	-0.3742	-0.87845	0.019943	-0.8672
RNASEH2I	0	-1.01782	-0.43445	0.120465	-0.88547	-0.3461	-0.59567	0.000129
QRICH1	0	-0.52064	-0.73531	-0.81611	-0.57912	-0.7084	-0.88464	-0.22957
TMEM143	0	-0.89905	-0.87777	-0.86962	-0.15935	-0.71513	-0.59901	-0.70344
KIAA1671	0	-0.27393	-0.99813	-0.93865	-0.19163	-0.30917	-0.73198	-0.5225
ZZEF1	0	0.324226	-0.5436	-0.46211	-0.78544	-0.53785	-0.86876	-0.4555
SCAF8	0	-0.89616	-1.30341	-0.94237	-0.80584	-0.76655	-1.04404	-0.79792
C12orf51	0	-0.03788	-0.72902	-0.40456	0.226604	0.04167	-0.31497	-0.86292
C9orf102	0	-1.36093	-0.18695	-0.05618	0.07553	-1.22258	-0.71659	-0.65236
USPL1	0	-0.36934	-0.30803	0.168891	-0.27593	-0.61821	-0.25924	-0.10571
ZBTB3	0	-1.80818	-1.06403	-1.24127	-0.23847	-0.98575	-1.48489	-0.87174
EHBP1	0	-0.15699	-0.4821	-1.08211	-1.16612	-1.40491	-1.06853	-0.77365
ABL1	0	-0.52582	0.140838	-0.08688	-0.82317	-0.19674	-0.43596	-0.61036
ZFC3H1	0	-0.7812	-0.70331	0.1865	-0.45639	-0.21143	-0.35638	-0.17839
C6orf226	0	-0.66547	-0.86015	-1.05788	-0.68025	-1.27684	-1.82363	-1.49643
GFOD1	0	0.215296	0.026945	-0.64557	-0.57585	-0.911	-0.51069	-0.74951
NAA16	0	-0.16187	-1.67097	-0.91279	-0.45352	-1.10121	-0.60857	0.06274
PQLC3	0	-0.97429	-0.54088	-0.63309	-1.26326	-1.11624	-1.18963	-0.81573
RAB8B	0	-0.23703	0.302762	-0.90555	-1.07682	-1.08802	-1.08593	-1.19739
PTP4A2	0	-1.40725	-1.16984	-1.45077	-0.74206	-1.46733	-1.17427	-0.43055
TOMM7	0	-0.97295	-0.7685	0.340897	-0.89565	-0.97125	-0.63879	-1.22849
ATAD2B	0	-0.27087	-1.50625	-0.24156	-0.42785	-0.66195	-0.73578	-0.38672
C1orf183	0	-0.44382	-0.83247	-1.29427	-0.89703	-1.61547	-1.11254	-0.93934
HPX	0	-0.49995	-0.42941	0.141748	NA	-0.57748	-0.55167	-0.92329

RPLP1	0	-1.16183	-1.6167	-1.20162	-0.52546	-1.45495	-1.1235	-1.28095
ZNF187	0	-0.68248	-0.99574	0.134709	-0.32816	-0.52743	-0.51396	-0.27073
RIBC1	0	-0.61087	NA	NA	-0.17479	-1.07818	NA	-0.21917
ABCB7	0	-0.5218	-0.65131	-0.5274	-0.21444	-0.80871	-0.63147	-0.16779
ELP2	0	-1.00966	-0.89167	-0.02329	-0.1438	-0.67516	-1.01982	-0.31555
PIKFYVE	0	-0.30175	-0.75903	0.083958	-0.56195	-0.24525	-0.42491	0.038163
AGAP3	0	-0.68194	-1.05993	-0.61158	-0.42273	-0.60487	-1.01851	-1.26571
KLHL20	0	-1.32431	-1.29108	-0.09677	-1.10333	-0.58903	-0.78909	-0.90675
IRF2BP1	0	0.192669	-1.17408	-0.98348	0.275537	-0.49955	-0.64216	-1.0286
STXBP3	0	-1.04213	-1.32268	-0.81327	-0.48275	-0.87171	-1.70206	-0.54424
PEX11B	0	-1.49642	-1.51428	-0.91835	-0.49082	-0.89737	-1.63877	-0.98048
WIZ	0	-0.87099	-1.00914	-1.10861	-0.91162	-1.01166	NA	-2.87807
PEX12	0	-1.33326	-1.3146	-0.78955	-0.91655	-0.71817	-1.00651	-0.75896
ARHGAP1	0	-0.35361	-0.74033	-0.63941	-0.505	-0.20019	-1.39224	-0.25975
BBS10	0	-0.7024	-0.46229	-0.24977	-0.30962	-0.5557	-0.71979	-0.22118
MUT	0	-1.01768	-1.00672	-0.24329	-0.0952	-0.92776	-0.88291	-0.25274
C6orf89	0	-0.32463	-0.26792	-0.50979	-0.76064	-0.62326	-0.45767	-0.66098
ACO1	0	-1.50258	-0.68434	NA	-1.1429	-1.14038	-0.53843	0.116547
VGLL4	0	-0.00201	0.066248	0.739505	-1.46777	-0.17519	-0.53058	-0.78564
CCNB1IP1	0	-0.50218	0.053247	-0.0235	-0.19938	-0.45051	-0.5309	-0.43527
ITFG3	0	-0.87015	-1.51395	-1.04126	-0.65099	-0.56721	-0.77341	-1.34416
ATG7	0	-0.81155	-0.63687	-0.85883	-0.41073	-1.19514	-1.30335	-0.98922
DSTYK	0	0.38894	-0.96152	0.153234	-0.52761	-0.01445	-0.43598	-0.17745
PIBF1	0	-1.20923	-1.24776	-0.51925	-0.89832	-1.03176	-1.09583	0.055039
C3orf19	0	-0.90758	-0.67023	-0.70905	-0.67223	-1.041	-1.05958	-1.36901
WDPCP	0	-0.66002	-0.92984	0.227925	-0.67975	-0.56142	-0.75816	-0.71309
AKAP17A	0	-1.07264	-1.69362	-0.28018	-0.07623	-0.87429	-0.64392	-1.71403
BAZ2B	0	-0.16002	-1.48749	-0.02733	-0.58524	-0.51426	-0.5114	-0.25236
SERGEF	0	-0.96614	-0.19842	-0.30847	-0.71189	0.007853	-0.65838	-0.50035
NOL10	0	-1.1376	-1.50136	-1.3186	-1.36391	-1.12471	-0.96415	-0.53957
SRSF1	0	-0.55234	-0.72838	-1.31996	-0.7024	-1.04426	-0.73578	-0.64216
SNHG10	0	-1.19084	-1.01765	-0.53248	0.132957	-0.51021	-0.94361	-0.81753
C6orf145	0	0.109653	-0.30754	-0.03111	-1.41489	-0.48991	-0.97771	-0.43499
RWDD3	0	-1.62935	-0.94296	-0.53064	-0.76562	-0.95423	-1.08346	-0.92613
SOD1	0	-0.97421	-1.51926	-0.732	-1.05289	-0.97262	-0.99042	0.018184
ARHGEF3	0	-1.24722	-1.4101	-1.4391	-0.62074	-1.22967	-1.13136	-0.57785
NFATC4	0	-0.30618	-0.56001	0.557005	-1.00197	-0.29886	-0.56389	-0.85448
LNPEP	0	-0.42399	-0.34561	NA	-0.63214	-0.32239	-0.40227	-0.20682
FAM114A;	0	-1.59326	-0.92294	-0.80094	-0.59359	-1.08385	-0.95954	-0.88827
WDR26	0	0.281968	-0.54897	-0.32208	-0.6084	-0.11622	-0.08812	-0.65453
ZNF148	0	-0.06456	-0.67274	0.325152	NA	0.204264	-0.28415	0.555559
FAM120B	0	NA	-1.39175	-0.56762	-0.6176	-0.16839	-0.65501	-0.60292
SSBP4	0	-0.1575	-0.3003	-0.46921	-0.6866	-1.14258	-0.66744	-0.94381
SLC25A37	0	-0.28634	-1.29935	-1.62483	-0.28115	-0.76048	-0.04617	-0.40647
MED13L	0	0.137912	-0.67261	0.553039	-0.94462	-0.00823	0.107353	-0.19882
SLC27A3	0	-0.60428	-0.01686	-0.60899	-0.60443	-0.32919	-0.94739	-0.98158
PRMT2	0	-0.65802	-1.05116	-0.39206	-0.8299	-0.83549	-0.49808	0.028266
SCAND2	0	-0.65461	-0.59964	-0.12696	-0.75007	0.015707	-0.95251	-0.18903
SAFB2	0	-1.40252	-0.60374	-0.5031	-0.5658	-0.49046	-0.5761	-0.79998
AMZ2P1	0	-0.11335	-0.39157	NA	-0.45591	-0.51591	-0.63164	-0.59358
PHAX	0	-1.17872	-1.02718	-0.831	-0.58253	-1.0969	-1.16449	-0.62952
BRD1	0	-0.503	-1.06277	-0.94009	-0.43296	-0.64261	-0.96287	-1.28699
DENND4A	0	-1.20433	-2.37529	-0.96998	-1.62257	-1.10113	-1.21031	-0.75349
IFT122	0	0.098969	-0.52442	0.521025	-0.80706	-0.06843	-0.69737	0.067369
KCMF1	0	-0.42236	NA	-0.82563	-1.1003	-0.09182	-1.35642	-0.74057
PEX1	0	-1.10907	-1.607	-0.58862	0.222579	-0.70992	-0.52193	-0.42934
TMEM167	0	-1.1139	-0.61498	-0.17186	-0.67841	-0.81531	-0.77603	-0.69515
LOC10012	0	-1.20595	-0.51327	-0.7978	-0.56508	-0.70529	-0.406	-0.43547

MORF4L1	0	-0.70046	-0.89464	NA	-1.00333	-0.19873	-0.7377	-0.26879
CHID1	0	-0.8415	-0.648	-0.19782	-0.52235	-0.66053	0.306747	-1.08886
C11orf2	0	-0.5275	-0.41724	-0.61068	-0.75889	0.120681	-0.72842	-0.56319
ALS2	0	0.033307	-0.58593	0.253222	-1.1079	-0.33747	-0.21916	-0.18423
SDCCAG8	0	-0.51249	-0.15691	-0.18665	-0.88726	-0.83264	-1.05523	0.18699
B3GALT2	0	-1.36526	-0.02092	-0.09235	-1.02085	-0.20508	-1.11442	-1.09134
ANKS1A	0	0.020312	-0.88342	-0.6049	-0.31963	-0.05483	-0.25208	-0.53466
GTF2F1	0	-0.8849	0.042179	-0.79175	-0.92736	-0.94715	-1.10818	-1.50693
RCBTB2	0	-0.75178	-1.3068	-0.2319	-0.77531	-1.18015	-0.35848	-0.59549
ESD	0	-0.04046	-0.45042	-0.41125	NA	-1.24068	-0.38673	0.081971
PACRG	0	-0.69233	-0.44611	-0.65591	-0.58062	-1.01679	-0.461	-0.91439
OCEL1	0	-0.54591	0.074489	-0.30715	-1.10766	-0.87085	-0.27992	-1.01124
GAPVD1	0	-0.83024	-0.94073	-0.85398	0.068693	-1.25164	-0.864	-1.00396
SPTAN1	0	0.380507	-0.00784	-0.25226	-0.59416	-0.62945	-0.06531	-0.35421
TSKU	0	-0.96762	-0.05326	-0.41626	-1.03527	-0.91788	-1.04049	-1.34973
C15orf57	0	-1.03886	-1.11413	-0.6031	-1.10846	-0.87696	-0.70567	-0.22694
RPL21	0	-0.77029	-1.42556	-0.77191	-0.63872	-1.35804	-0.76157	-0.71119
DYRK1A	0	-0.39135	-1.60429	-0.58279	-0.29349	-0.92335	-0.72856	-0.36944
SMCR7	0	-0.44509	-0.83103	-0.57775	-0.91416	-0.7532	-1.35748	-0.42824
MLLT6	0	-0.71206	-1.17888	-0.46932	-0.38557	-0.3384	-0.1279	-1.03305
STK40	0	-1.3475	-0.97617	-0.82228	-0.63019	-0.64411	NA	-2.02512
EP400	0	-0.46582	-0.99943	-0.50229	-0.13372	-0.4492	-0.45508	-0.73265
NR3C1	0	-0.79997	-0.46431	0.253565	-0.75202	-0.87949	-0.68894	-0.09253
RILP	0	-1.3505	-1.77461	-1.25127	-1.02564	-0.94978	-1.1869	-0.62946
RPL3	0	0.035762	-0.54012	-0.64909	-1.26559	-1.09614	-0.77071	-0.97061
MRPL33	0	-0.35995	-1.00406	-0.87263	-0.53543	-1.42709	-0.83304	-0.56848
ZNF703	0	-0.40272	-0.32436	-0.09129	0.017394	-0.64507	-0.54816	-0.41404
SHPRH	0	-0.36024	-0.92672	-0.1638	-0.22767	-0.12307	-0.46427	-0.18438
EVI5	0	-0.99667	-0.79662	-0.90889	-1.2979	-0.8894	-1.40427	-1.46991
SLC25A36	0	-0.11397	-0.42334	0.210296	-0.6573	0.07608	-0.56253	0.681916
HP07349	0	-0.75493	-0.77568	-0.77592	-0.5452	-0.80592	-0.70753	-0.81764
HIPK1	0	-0.97087	-1.15817	-0.64574	-0.47876	-0.86818	-1.52111	-1.34689
SPSB3	0	-0.16182	-0.84681	-0.16991	-0.49674	-0.08926	-0.73439	-0.32732
KRTAP13-	0	NA	-0.17461	-1.06716	-0.97924	-0.03496	-0.52926	-2.38173
ZFYVE16	0	-1.02763	-1.02297	-0.12374	-0.51515	-1.06617	-0.94754	-0.28075
FAM192A	0	-0.50483	NA	-0.56614	-0.16977	-0.56214	-1.19925	-0.64867
CCDC25	0	-0.78576	-1.23572	-0.68943	-0.55456	-0.86899	-0.68702	-0.53298
CENPC1	0	-1.00911	-1.2497	-0.86704	-0.56261	NA	-0.01073	-0.16947
EIF3L	0	-0.4128	-0.49259	-0.66635	-1.17128	-0.64207	-0.49957	-0.34056
UBE2D3	0	-0.45743	-0.59264	-0.48085	-1.11405	-0.55314	-1.29412	-0.38547
ING1	0	-0.6086	-1.08384	-1.93163	-1.23937	-1.26193	-1.21193	-0.442
UBE2D4	0	-1.67002	-1.24401	0.089107	-0.92132	-0.59362	-0.60349	-0.51399
ZNF407	0	-1.43541	-1.87164	-1.08627	-0.43554	-1.1947	-1.25951	-1.79871
FAM21C	0	-0.64714	-1.27553	0.105525	-0.24851	0.027933	-0.5976	-0.10611
ZYG11B	0	-0.83264	-0.87292	-0.13408	-0.60161	-0.47725	-0.50608	0.065346
COA5	0	-1.25206	-1.06582	0.00527	-0.27388	-0.68958	-0.40603	-0.26609
CACNG8	0	-0.68042	-0.86865	-1.91079	-0.63899	-0.53376	-1.18379	-0.24711
ATE1	0	-1.07114	-1.78804	-1.70485	-0.42315	-1.27612	-1.02742	-0.12026
PIPOX	0	-1.43853	-1.65505	-0.91402	-0.51617	-0.43207	-0.63462	-0.42188
CYP2A13	0	-0.33991	-0.60798	-0.11729	-0.48059	-1.2582	-0.34195	-0.51942
RYBP	0	-0.9073	-0.96495	-1.46851	-0.92889	-2.113	-2.18035	-1.51673
APBB3	0	-0.63253	0.326279	0.101119	-0.38724	0.337142	-0.04284	-0.08418
ZNF444	0	-0.59921	-0.85541	-0.8347	-0.04341	-1.11941	-0.69373	-0.41207
AKAP9	0	-0.73193	-1.11081	0.017077	-0.34941	-0.65597	-0.5054	-0.35376
HLA-F-AS	0	-1.00093	-1.15125	-1.54024	-0.62988	-1.44667	-1.64498	-0.91621
THTPA	0	-1.39956	0.112513	0.038816	-0.29069	-0.18783	-0.45866	-1.43876
FBXL15	0	-0.67662	-1.20773	-0.36186	NA	-0.58764	-0.4711	-0.66847
CALM2	0	-0.42428	-1.26878	-0.99056	-1.06756	-1.3634	-1.67423	-1.12465

TACR2	0	0.166142	-0.34519	-0.67656	-1.0659	-0.58822	0.071924	0.150246
ARHGEF7	0	0.176505	-0.51419	-0.02394	-0.55077	-0.16282	-0.56873	-0.21836
ARSG	0	-0.44494	-1.49181	-0.03855	-0.23553	-1.76034	-0.04393	-1.27925
TTC9C	0	-1.35292	-1.19324	-0.71134	0.013331	-0.76461	-0.74382	-0.63332
ABHD14A	0	-0.88058	0.127682	-0.74646	-1.42478	-0.98959	-0.71308	-0.24321
RUFY2	0	-0.94903	-1.65035	-0.49535	-0.70208	-0.98402	-0.89559	-0.42126
ZFP62	0	NA	-1.15809	NA	-0.13433	-0.59456	-0.28895	-1.74875
HAAO	0	-0.91126	-0.3764	-1.35377	-0.54568	-1.56928	-1.87485	-1.58398
PBRM1	0	-0.62261	-0.43188	-0.52375	-0.37407	-0.68884	-1.09364	0.226676
SP3	0	-0.31491	NA	-0.65568	-0.71712	-1.13156	-0.89228	-0.52758
RHEB	0	-1.38416	-0.8114	-1.70157	-0.35076	-1.39291	-1.66551	-0.25527
VPS37D	0	-0.93328	-0.48816	-0.01097	-1.06018	-0.86721	-1.40175	-1.28746
TWSG1	0	-1.38148	-1.77725	-0.17107	-1.51249	-0.07396	-0.74623	-0.9674
MBLAC1	0	-1.47495	-0.84514	-1.15474	-0.67592	-1.08045	-1.67317	-0.87182
OPN4	0	-0.855	-0.86895	-0.94357	-0.95988	-1.48295	-1.26737	-1.28328
G3BP2	0	-1.69488	-1.42065	-0.96322	-0.46451	-1.04877	-1.308	-1.04899
ZNF197	0	-1.00342	-1.44854	-0.2326	-1.51285	-0.93276	-1.40225	-0.80956
NOVA2	0	-0.7573	-0.45603	-0.65786	-1.53813	-1.13752	-0.94657	-1.11875
CHRNE	0	-0.65122	-0.4335	-0.65084	-0.81863	-0.36198	-0.60325	-0.11804
CCP110	0	-0.27138	-1.00314	-0.39265	-0.2017	-0.24988	-1.12688	0.203671
FAU	0	-1.66253	-1.38164	-1.32635	-0.96023	-0.87476	-1.17529	-1.18936
IGBP1	0	-0.37595	-1.07192	-0.58244	-0.40749	-0.70967	-0.57166	-0.79221
MUTED	0	-0.96334	-1.53963	-0.96442	-0.48062	-1.50406	-1.45663	-0.64442
MTERFD2	0	-1.90697	-1.74959	-0.15994	-0.19692	-0.40366	-0.00835	-1.70577
FBXW4	0	0.003165	-0.53894	-0.21939	-0.94001	-0.04016	-0.11696	-0.66131
ANAPC16	0	-0.92998	-1.30299	-0.94426	-0.62469	-1.62338	-0.79556	-0.37567
RPL23	0	NA	-1.86593	-1.04581	-0.93208	-1.3173	-1.19012	-1.16441
SH3PXD2f	0	-0.13604	-0.87854	0.65573	-1.6115	-0.90538	-0.85508	-1.56828
AIP	0	-0.36961	-0.3143	-0.99325	-0.73361	-0.1972	-0.80707	NA
FOXL1	0	-0.09322	-0.22709	-1.14445	-0.92736	-1.08534	-0.26684	-0.84493
CDC14C	0	-0.73015	-0.09724	-1.01683	-1.83121	-0.96912	-0.93181	-0.89492
CNBP	0	-0.08915	-0.13953	-0.6885	-0.75366	-0.49487	-0.99377	-1.03906
ZNF48	0	-0.46415	-2.0332	-0.88911	-0.31468	-1.08564	-0.60529	-0.8816
PCBP2	0	-0.85072	-0.99838	-1.59683	-0.67654	-1.46493	-1.10784	-0.61174
ARVP6125	0	-1.02395	-0.61527	-0.07169	-1.99151	-1.00946	-0.32897	-2.59515
TRAF6	0	-0.81347	-0.03398	NA	-0.59898	-0.94645	-0.32406	-0.70268
ZFP36L1	0	-0.69339	-0.70117	-0.82895	-1.02812	-0.90935	-0.85439	-1.37597
GCFC1	0	-0.45162	-1.60387	-0.09379	0.166353	-0.54487	-0.03368	0.088882
SETD1B	0	-1.09935	-1.42886	-1.15191	-0.35171	-0.83814	-0.38545	-1.7088
KAT7	0	-0.70748	-1.10092	-1.18634	-0.18412	-0.86981	-1.12219	-0.74602
SNHG8	0	-0.75422	-0.91014	-0.67542	-0.55612	-1.3708	-0.51457	-0.66223
RPS25	0	-1.07596	-0.87621	-0.72503	-1.05305	-1.60898	-0.65332	-0.77354
RPL9	0	-1.50023	-1.28664	-0.92796	-0.81605	-1.31904	-1.09342	-1.02532
FNDC3A	0	-0.73354	-0.27915	0.307013	-0.72454	-0.36878	0.007962	-0.33503
TERF1	0	-0.47285	-0.3608	-0.52556	-0.91861	-0.64544	-1.3736	-0.54601
PEPD	0	-2.02632	-1.39289	-0.47752	-0.67737	-0.33652	-0.58135	-0.27708
NBPF11	0	-1.15334	-1.53151	-0.48109	-0.17662	-0.38578	-1.19967	-0.35807
LOC1005C	0	-1.40183	-0.15463	-0.55607	-0.48129	-0.76949	-0.21997	-0.38032
ZNF22	0	-1.13275	-1.20941	-0.42972	-0.91214	-0.69181	-0.79518	-0.1459
LARP1B	0	-1.08362	-1.65943	-1.11882	-0.62342	-1.65993	-0.95122	0.166707
ZBTB44	0	-1.01769	-0.6708	-0.23978	-0.62586	-1.06902	0.053314	0.574488
SLC25A12	0	-1.56386	-1.79135	-0.8316	-0.38016	-1.21904	-0.9136	-0.66324
ZNF514	0	-0.54038	-0.58992	-0.29477	-0.50727	-0.18369	-0.21193	-0.12227
KIAA0494	0	-1.00321	-0.75124	-0.44326	-0.7892	-0.31476	-0.51152	-0.63167
MICA	0	NA	NA	-0.52717	-0.71413	-0.4056	-0.33015	0.271551
NOS3	0	-0.67503	-0.38732	-1.49204	-0.6857	-1.34906	-1.18797	-1.28147
NSRP1	0	-0.6215	-1.32858	-0.65724	-0.78307	-0.64075	-1.52812	-0.68886
MDC1	0	0.00974	-0.73291	-1.24512	-0.0065	-0.9948	-0.9544	-0.83501

ERGIC1	0	-0.91387	-0.9161	-0.54009	-0.84987	-0.65305	-0.68648	-1.01008
IKBKB	0	-1.18981	-1.86054	-0.74642	0.288457	-0.5474	-0.24282	-1.6448
C2orf81	0	-0.05487	-0.26208	-0.04169	-1.44575	-1.07003	-1.25108	-0.77544
TRIM35	0	-1.14825	-1.86798	-1.25797	-0.59142	-1.49075	-1.14021	-1.1866
UFSP2	0	-1.2484	-0.61204	-0.76645	-0.90461	-0.65098	-1.20139	-0.08535
CDC73	0	-0.49627	-0.99627	NA	-0.81482	-0.93169	-1.20668	-0.61551
DHFRL1	0	-1.2603	-1.66594	-0.41779	-0.32485	-0.95805	-0.89241	-1.08609
TMCO4	0	-0.86969	-1.1374	0.075222	-0.65955	-1.00693	0.006919	0.414472
NUDT7	0	-0.89328	-0.92577	-1.08516	-0.45023	-1.63102	-0.84413	-0.82538
POU2F1	0	0.097966	-0.94362	-0.98746	-0.29583	-0.53398	-0.85005	-0.22133
C11orf74	0	-2.09608	-0.4527	-0.59568	-0.93112	-0.73226	-1.06947	-0.45732
ENTPD4	0	-0.72881	-1.59839	-0.35995	-0.24988	-0.78734	-0.24736	-0.93673
ALG9	0	-1.36266	-0.66431	-0.72227	-0.50823	-1.00179	-0.78997	-0.37205
ARMC8	0	0.021426	-1.52589	-1.19538	-0.83236	-0.76363	-1.12544	-0.22666
PLEKHA3	0	-1.55076	-1.14338	-0.80657	-1.30164	-1.54538	-1.1239	-1.15381
TRMT11	0	-1.43836	-1.33426	-1.48342	-0.99979	-1.07367	-1.28116	-0.45617
TNKS	0	0.427209	-0.7472	0.220379	-0.73124	-0.20426	-0.21033	-0.38135
THAP3	0	-1.11862	-0.41065	-0.53692	-0.65431	-0.78196	-0.37317	-0.64537
C12orf47	0	-1.51334	-1.13142	-1.28594	-0.61027	-1.63957	-1.08547	-1.22304
SRGAP2P1	0	-1.16873	-1.16576	-0.55136	-0.67889	-1.04898	-1.17169	-1.27724
WHSC1L1	0	-0.65444	-1.57739	-0.90857	-0.09166	-0.7609	-0.0874	-0.99112
TULP4	0	-1.04718	-1.61445	-0.20474	-0.37215	-0.30827	-1.20301	-1.10515
SNX25	0	NA	-0.15368	-0.6439	-1.30548	-1.80745	NA	0.333442
AEBP2	0	-0.10849	-1.50495	-1.15939	-0.08452	-1.08415	-0.93904	-0.45895
GIT2	0	-1.15626	-1.73603	-0.54866	-0.40414	-1.05599	-0.87488	-1.18966
TRIM56	0	-0.95172	-0.33033	-0.65778	0.214753	-0.29515	-0.01408	-0.65768
SLC25A42	0	-0.0449	-0.05485	-0.1806	-0.72105	0.071464	-0.10034	-0.50348
RUNDC1	0	-1.28497	-1.57289	-1.22373	-0.29922	-1.20226	-1.23508	-1.11448
DCAF8	0	-0.31807	-0.60099	-0.55753	-0.55269	-0.00715	-0.79623	-0.41057
RILPL1	0	0.292039	0.068065	-0.05547	-0.81347	-0.1758	-0.24576	-0.40856
OSGIN2	0	-0.3839	-0.42928	0.260808	-0.87201	-0.18764	-0.98625	0.044879
USP54	0	-0.90511	-2.02604	-0.15988	-0.14215	-1.22787	-0.80572	-1.06939
CCDC28A	0	-0.8638	-1.32153	-0.11967	-0.60482	-0.34949	-0.62432	-0.059
RPL37A	0	-0.75426	-1.25304	-0.64448	-1.26575	-1.37895	-0.91245	-1.73658
CCDC82	0	-0.93184	-0.06914	-0.24317	-0.77084	-0.81624	-0.95822	-0.00225
AHCYL1	0	-0.86617	-0.92158	-0.28966	-0.89927	-0.39249	-0.75164	-0.4952
TOX4	0	-1.24432	-0.98707	-0.67736	-0.21344	-0.87951	-1.33	-1.39729
SLC25A2	0	-0.15404	-0.1984	NA	-1.46488	-0.68941	-0.72056	-0.75583
IMPAD1	0	-0.3112	0.042291	-0.47334	-0.56133	-0.60174	-1.26393	-0.82295
GATAD1	0	-0.9509	-0.37125	0.001793	-0.95762	-0.84238	-0.85232	-0.85938
MGRN1	0	-0.9145	-0.79687	-0.54617	-0.40602	-0.67578	-0.53365	-1.68862
WWC3	0	-0.164	-1.32435	0.211138	-0.80447	NA	-0.84925	-0.94515
SEPT7P2	0	-0.98208	NA	-0.26322	-0.79152	-0.93957	-0.94222	-0.60254
ATP8A1	0	NA	-1.53144	-0.78596	-0.70545	-1.96759	-0.46396	-1.2483
NR4A1	0	-0.19627	-0.81144	-0.11912	-0.93409	-0.77738	-0.22604	-0.30259
LINC0033!	0	-0.99811	-0.24187	-0.86631	-0.41763	-0.64638	-1.10922	-0.34531
VPRBP	0	-0.79299	0.324475	-0.43325	-0.15039	0.06608	-0.67442	0.367381
RAB28	0	-1.4147	-1.03413	-0.81491	-0.33438	-1.39048	-1.4899	-1.35576
METTL21E	0	-0.94577	-0.16989	-1.19234	-0.92741	-0.95917	-1.25796	-0.43555
SFI1	0	0.044117	-0.61203	-0.22819	0.100144	-0.06338	-0.38178	-0.60042
TINAGL1	0	-0.48278	-0.22446	-1.40819	-1.60135	-1.32049	-0.87677	NA
ARID5A	0	-0.48164	-0.83185	-0.17005	-0.51914	-1.14379	-0.6821	-0.94132
ZNF446	0	-0.72863	-0.92373	-0.72782	-0.17609	-0.20354	-0.97457	-0.56144
CDKL3	0	-0.61754	-1.12511	-0.37325	-0.47495	-0.91934	-0.12139	0.020379
PALMD	0	-1.06038	-1.56397	-0.72368	-1.17466	-0.4941	-1.47716	-2.4049
ARL6IP4	0	-1.15573	-1.1298	-0.77193	-0.52959	-1.03211	-1.39237	-0.90278
BCAS3	0	-0.62763	-0.96739	-0.32885	-1.01867	0.10709	-1.05605	-1.3596
SYT9	0	-0.52931	-0.22952	NA	-0.78893	-0.52398	-0.58765	0.095056

CIR1	0	-1.38852	-1.72548	-0.58236	-0.96092	-0.9619	-1.11805	-0.87329
LOC1005C	0	-0.66863	-0.15847	-0.15955	-0.72829	NA	-0.44127	-0.72184
LRP1	0	0.411997	-0.39084	0.48026	-1.25034	-0.42733	-0.57765	-1.37175
SYF2	0	-1.06484	-1.26401	-1.02979	-1.08004	-1.35804	-1.23336	-1.11203
LOC1005C	0	0.470947	-0.012	0.322261	-0.02459	NA	0.272492	-0.50163
RAB40AL	0	-0.82664	-1.08792	-0.65492	-1.37616	-0.94308	-1.32069	-0.38871
R3HDM2	0	-0.49137	-0.87841	-0.64498	-0.62226	-0.80343	-0.87508	-1.56273
TCF25	0	-0.18747	-0.46376	0.173408	-0.00926	-0.03674	-0.44331	-0.13125
ATRX	0	-0.69272	-1.1042	-1.25495	-0.90754	-1.24068	-1.30408	-0.66137
CALCOCC	0	-0.43287	-0.97134	-0.42325	-0.57061	-0.50561	-0.54377	-0.8772
SFPQ	0	-0.62245	-0.8819	-0.85464	-1.19093	-0.71945	-0.68486	-0.30292
CXorf23	0	-0.87456	-1.31491	-1.00738	-0.75751	-0.98441	-1.73635	-1.06445
LOC1005C	0	-0.89616	-1.29622	-0.02158	0.334484	-0.74191	-0.72921	-0.21849
CAPN7	0	-1.34419	-1.40634	-1.40055	-1.37777	-2.00643	-1.67683	-1.61408
NT5M	0	0.328619	-0.6382	-0.65413	-0.10763	-0.62465	-1.37466	-0.39656
KIAA1279	0	-0.69205	-1.04048	-0.57785	-1.13603	-0.99206	-0.84978	0.19067
FAM27L	0	-0.78136	0.098211	-0.49217	-1.8334	-0.03329	-0.69601	-1.07387
SERTAD3	0	-1.0701	-0.93222	NA	-0.90888	-1.70419	-1.64754	NA
C11orf61	0	-1.08195	-0.75305	-0.71359	-0.06172	-1.20348	-0.67683	-0.06961
ACVR2B	0	-0.52808	-0.74076	-0.90404	-0.69941	-0.83698	-0.64271	-0.3646
HOXD8	0	-1.25315	-1.11505	-1.21285	-1.06131	-1.42185	-1.28556	-1.15981
PPOX	0	-0.44913	-0.71219	-0.4995	-0.52056	-0.51142	-0.5994	-0.0695
PPP1R2	0	-1.47894	-1.73039	-0.56609	-1.16526	-1.199	-1.35428	-0.82021
TRAK1	0	-0.20599	-0.98325	-0.37565	-1.12319	-0.28998	-0.76048	0.090267
ALMS1P	0	0.00571	-0.88378	-0.10891	-1.02569	-0.00597	-0.06112	-0.64394
GLG1	0	-0.84578	-0.50243	-0.27021	-0.77289	-0.71605	-0.92505	-0.69289
FAM114A:	0	-0.29325	-0.31639	0.005526	-1.36944	-1.26	-0.97521	-0.96756
IQSEC3	0	-0.48595	-0.34463	0.200062	-1.23071	-0.6437	-0.70336	-0.8294
XPC	0	-0.29148	-0.46305	-0.14338	-0.88995	-0.2082	-0.73	-1.19249
WDR6	0	-0.25172	-0.27895	-0.23882	-0.8072	-0.49338	-0.41656	0.379106
LOC4015E	0	-1.07694	-0.65551	-0.40267	-0.07685	-0.12114	-0.64676	-0.23063
AP3M2	0	-1.20795	-2.10631	-0.63908	0.625014	-1.48662	-0.87045	-0.95692
BBS7	0	-1.16383	-1.13633	-1.39818	-0.52205	-0.99531	-1.88013	0.295445
IP6K1	0	-0.86978	-0.73793	-1.8079	-0.54768	-1.96875	-1.44327	-0.97656
NENF	0	-0.06344	-0.85956	-0.7797	-1.29513	-1.06527	-0.97743	-0.67386
FHIT	0	-1.73537	-1.50961	0.157936	0.116957	-1.11581	-0.53349	-1.20744
RRAGA	0	-0.71531	-0.46393	-0.55016	-0.68572	-1.20401	-1.38737	-1.10101
TEAD1	0	NA	-0.2903	-0.07619	-0.91433	-0.48175	-0.5811	0.166918
LUC7L2	0	-0.63896	-0.64411	-0.37031	-0.2939	-0.73788	-0.64119	-0.09501
ARMCX5	0	-1.66031	-1.77533	-0.93508	-0.48217	-1.18147	-1.15723	-1.3883
VEZF1	0	-0.94406	-0.89879	-0.10289	-1.10351	-0.04451	-0.73696	-0.26261
ACVR2A	0	-0.50222	-1.25094	-0.48525	-0.57515	-0.9756	-0.82284	-0.99379
YWHAH	0	-0.63393	-0.59446	-1.07492	-1.63753	-0.95084	NA	-1.1144
ARHGEF2	0	-0.27016	-0.74093	-0.69243	-1.15518	-1.3947	-0.83944	-1.39995
RPP14	0	-0.66284	-1.17343	-1.23158	-1.06299	-1.44357	-0.80179	-0.51978
ALMS1	0	-0.04192	-0.93993	-0.07008	-1.15832	-0.81178	-0.58471	-0.16717
MIR133A1	0	-1.55825	-1.05098	-0.06869	-1.31175	-0.03962	-0.06005	-0.69862
LRPPRC	0	-0.77485	-2.34785	-1.68442	-0.68966	-1.8177	NA	-1.21768
THUMPD1	0	-1.21733	-0.60033	-0.61181	-0.54216	-1.85713	-0.88261	-0.71294
THG1L	0	-0.8845	-0.72368	-0.4318	-0.69666	NA	-0.72089	-0.02097
FCHO2	0	-0.32538	-0.50043	-0.33535	-1.22954	-0.61744	-0.32751	-0.40478
RPTOR	0	-0.7691	-0.15731	-1.35441	-0.95848	-0.3872	-0.88141	-1.10493
RBAK-LOC	0	-0.97187	-0.84303	-0.56892	-0.17851	-0.97386	-1.52182	-1.63453
RPL32	0	-1.35448	-1.31654	-1.19556	-1.02302	-1.76052	-1.59229	-1.54858
FLJ37453	0	NA	-0.77879	-0.75881	-0.28255	-0.64949	-0.91716	-0.23125
CREBBP	0	-0.57037	-0.77778	-1.88853	-0.61535	-1.48844	-0.95457	-2.16502
CASD1	0	-0.98667	-0.85134	-0.28795	-0.77812	-1.22142	-0.81127	0.091844
CHERP	0	-1.17955	-1.3779	-1.49444	-0.90866	-1.46953	-0.99822	-2.54835

TMEM127	0	-1.39791	-1.87176	-0.94546	-0.451	-1.10544	-1.4074	-1.6277
SLC48A1	0	-1.11587	-1.69822	-0.69809	-0.36513	-1.73421	-0.04611	-1.61167
ANKMY2	0	-1.54207	-1.86185	-0.08866	-0.77487	-1.07156	-1.74767	-0.81014
KDSR	0	-1.00293	-0.74418	-0.67162	-0.29172	-1.32378	-1.68434	-2.3066
CGRRF1	0	-0.65313	-0.01135	0.071566	-1.29072	-0.4289	-0.78213	-0.24386
C11orf58	0	-0.60317	-0.35976	-0.58071	-0.93846	-0.0245	-0.5453	-0.06086
FAM127A	0	-1.05093	-1.00347	-0.90912	-0.9953	-0.87394	-2.03863	-2.33536
RPL26	0	-1.01943	-1.53386	-1.33536	-1.02677	-2.08626	-2.07423	-1.4129
METTL20	0	-1.06335	-1.1821	-0.28656	-2.26966	-1.74332	-1.00522	-0.41271
ACSS1	0	-1.7933	-0.02526	0.147362	-0.09569	-0.51316	0.216964	-1.35391
LTBP2	0	-0.56638	-1.04169	-0.38183	-1.12454	0.728226	-0.86347	-0.08691
ABR	0	-0.60498	-1.04141	0.020635	-0.89664	-0.3369	-1.80056	-1.56167
SYDE1	0	-0.41421	-0.54426	-1.01108	-0.91891	-1.69575	-1.28078	-0.88536
DTNBP1	0	-1.09525	-1.81995	-0.37132	-0.14624	-0.7616	-0.93296	-0.8356
IPO5	0	-1.31106	-1.23503	-0.75298	-0.6822	-1.57751	-1.24876	-0.87104
GPR62	0	-0.74292	-2.04039	-1.29007	-0.25502	-1.0942	-0.52235	-0.4901
SHOC2	0	-1.01625	-1.68726	-1.55534	-1.08363	-1.57424	-1.30415	-1.42918
SEC23A	0	-0.38606	-0.28121	0.327327	-1.23864	-0.71053	-1.2651	-0.38168
ZNF767	0	-0.17208	-0.06235	0.133238	-0.04645	0.313128	0.180731	-0.13789
CAMTA1	0	-1.07739	-0.86985	-1.2837	-0.95374	-0.94254	-1.19203	-0.41491
CARD8	0	-1.75283	-1.14226	-0.64432	-0.51502	-1.07451	-0.34062	-1.29036
VPS13D	0	-0.42293	-1.02189	-0.10662	-0.07151	-0.21149	-0.33608	-0.37674
C10orf12E	0	-2.24797	-0.4387	-0.07624	-1.07964	-0.76137	-0.33575	-1.92676
CCDC85B	0	-0.49494	-0.27907	-1.23615	-1.15503	-0.6788	-1.35731	-1.42845
GOLPH3L	0	-2.09383	-1.30679	-0.80331	-0.32667	-0.75583	-0.7139	-2.37801
EFCAB4A	0	-1.7112	-1.37563	-1.62257	-0.82186	-1.52848	-1.07142	-1.03356
ACSM2B	0	-0.74565	-1.74639	NA	-0.47207	-1.11064	-0.82552	-0.65654
SSH1	0	-0.06168	-0.46706	-0.17042	0.485069	NA	-0.98968	-0.42085
DYSF	0	-0.77693	-1.6002	-0.96841	-1.14884	-1.32956	-1.48096	-2.21704
C12orf62	0	-1.61974	-1.8282	-0.54215	NA	-0.95405	-0.91448	-0.58753
ZNF500	0	-0.34781	-0.45384	-0.35322	-0.15304	-0.33536	-0.1344	-0.34217
SOAT1	0	-1.13678	-0.80452	-0.44699	-0.72945	-0.59661	-1.34217	0.342178
NUCKS1	0	-0.30165	-1.54885	NA	-0.54897	-1.38789	-1.19223	-0.45611
CWF19L2	0	-0.2024	-0.60904	-0.78588	-0.49812	-1.58184	-1.13046	-0.14959
KLHL9	0	-1.19472	-0.85304	-0.38552	-0.85846	-1.68689	NA	-0.70334
P2RY12	0	-1.76329	-1.05845	-0.07435	-1.22454	-0.0392	-1.27031	-1.23058
CCDC112	0	-1.09424	-0.94823	-1.02782	-1.17756	-1.07456	-1.13503	-1.00379
ARL13B	0	-0.07349	-1.52121	-0.2225	-0.83321	-1.27662	-1.60775	-1.21098
NDUFA4	0	-1.44822	-1.59619	-0.3312	-0.66367	-1.29319	-0.55291	-1.57126
USP15	0	-0.42841	-0.78689	-0.26917	-0.71019	-0.62061	-0.75191	-0.42999
NEIL2	0	-1.76977	-1.3409	-1.15563	-1.85681	-1.49219	-1.92553	-2.09764
SPTBN4	0	-0.39986	-0.98437	-0.15079	-1.00632	0.134006	-0.33789	-0.18123
SPECC1L	0	-0.834	-0.71736	-0.54359	-0.71391	-0.74446	-0.65185	-0.15501
ZFYVE21	0	-1.07223	-1.27249	-0.55864	-0.79789	-0.44563	-1.33017	-0.69918
ELL2	0	-1.13815	-1.34315	-0.36096	-1.05353	-0.69108	-1.35194	-0.89507
ZNF226	0	0.404463	-1.21842	0.213243	-0.07733	-0.67395	-0.11748	-0.81995
CRNDE	0	-1.51728	-0.95958	-0.26427	-0.60516	-0.92152	-1.83088	-0.62024
KIAA1267	0	-0.11447	-0.63427	-0.28559	-0.59481	-0.33978	-0.54091	-0.43946
PCDHA5	0	-1.71794	-1.49046	-1.32926	-1.20716	-1.84477	-1.71016	-1.31703
PNRC2	0	-1.6813	-1.2475	-1.356	-0.92407	NA	-1.02721	-0.43782
RPS11	0	-0.81932	-1.35927	-1.07108	-0.87122	-1.3766	-0.5909	-1.28579
TMEM80	0	-0.58864	-0.59605	-0.43982	-0.3187	0.138746	0.178249	-0.78812
MGC1298	0	-0.24062	-1.14323	-0.06802	-1.80725	-0.5764	-0.30964	-0.65036
ARHGAP1	0	-0.59139	-1.09345	-0.56257	-1.06369	-0.50789	-0.82795	-1.1992
ZNF92	0	-0.78576	-0.97813	0.398676	-1.11453	-0.19248	-1.00422	-1.23465
C21orf33	0	-1.2088	-1.67658	-0.86945	-0.33405	NA	-1.07162	-0.17735
1/2-SBSRI	0	-0.87369	-0.99867	-0.41149	-0.38579	-0.94192	-0.97815	0.075606
ANKS3	0	-0.77278	-0.77199	-0.31321	-0.18416	-0.42734	-0.52427	-0.00496

AIG1	0	-1.61796	-1.13395	-0.51163	-0.87039	-0.2382	-1.24165	-0.61939
MFF	0	-1.29506	-1.24175	-0.81318	-0.47622	-0.67739	-0.43389	-0.21842
LIN7B	0	-0.73902	-1.56778	-0.98576	0.200441	-1.29563	-0.38851	-0.77285
FAM127B	0	-1.46529	-1.38613	-1.24092	-0.93359	-1.11608	-2.28624	-2.53923
ZNF792	0	-1.26906	-1.84342	-0.43544	-1.19392	-1.57612	-0.94915	-0.22948
GYG1	0	-1.97598	-1.32367	-0.2522	-0.30572	-0.28188	-0.79119	-0.43655
TM6SF1	0	-1.77133	-1.798	-1.17972	-1.2858	NA	-1.71603	NA
WAC	0	-0.15538	-1.56939	NA	-0.54306	-0.35711	-1.18856	-0.32781
CSNK1E	0	-0.6569	-0.74547	-1.52461	-1.03898	-1.63416	-1.82322	-1.37897
FAM74A1	0	-2.16594	-2.11106	-0.12756	-0.72341	-1.12922	-1.84262	-2.40251
CLASP2	0	-0.8374	-1.08115	-0.72304	-0.80681	-0.91099	-1.34434	-1.15719
UPF3A	0	-1.23357	-2.07257	-1.34355	-0.76173	-0.8112	-1.45354	-0.36318
TMEM120	0	-0.93089	-0.88297	-0.71102	-0.02104	-1.81049	-1.82923	-1.15125
APC	0	-0.86783	-1.11342	-0.28796	-0.98229	-1.44471	-0.78056	-0.20614
SLC25A20	0	-1.4358	-1.01465	-0.45078	-1.10929	-1.11619	-0.66785	-0.60443
TMEM95	0	-0.52549	-2.15199	-0.16063	-0.98906	-0.03293	-0.96453	-0.79035
FTO	0	-1.14383	-0.78932	-0.65271	-1.3515	-0.83058	-1.22747	-1.59309
MAP1LC3I	0	-0.50748	-0.59057	-0.80594	-1.55618	-1.19549	-1.15284	-1.28672
ZNF208	0	-1.50151	-1.87364	0.368627	-2.17013	-0.86145	-0.07835	-1.85842
LEPROTL1	0	-1.34393	-2.17287	-0.87116	-0.71905	-1.08804	-0.9514	-2.06104
HACL1	0	-0.87147	-0.78637	-1.1063	-0.78075	-1.08468	-1.37991	-0.55314
TASP1	0	-1.1104	-1.14874	-0.96505	-0.61891	-0.82072	-1.94997	-1.07171
LOC15354	0	-2.04002	-0.65244	-1.03254	-0.50306	-1.32024	-1.60709	-1.16053
SIRT3	0	-1.9202	-1.4044	-1.31582	-0.64106	-0.87289	-1.90723	-0.96892
DYNC1LI2	0	-0.42554	-0.34376	0.143291	-0.55568	-0.23319	-0.3915	-0.14806
LINGO1	0	-0.93157	-1.08122	-0.36472	-0.26804	-1.02545	-1.01539	-0.69582
FBXL5	0	-1.68104	-1.14173	-0.77607	-1.3383	-0.73115	-1.50308	-0.65063
LOC1005C	0	-2.18678	-1.12041	-0.08914	-1.83622	-1.28427	-1.52593	-0.01728
SMARCA2	0	-1.29304	-1.49647	-0.28734	-1.10209	-0.95848	-0.487	-0.83027
MYL3	0	-0.09783	-0.00981	-0.14543	-2.05422	-0.05839	-0.15305	-2.35752
MDP1	0	NA	-1.34105	0.005876	-0.21164	-0.68927	-0.75993	-0.70283
ZNF559	0	-0.42871	-0.46635	0.075655	-1.0541	-0.80641	-0.99574	-0.86537
RNF41	0	-1.20072	-0.9719	-1.37543	-0.30787	-1.91021	-1.08452	-1.15466
ALDH3A2	0	-1.14647	-1.7446	-0.6865	0.598965	-0.88172	-1.61884	-0.02606
RSF1	0	-0.75902	-0.79703	-0.25939	-0.65116	-1.18141	-0.82297	-0.00709
KIAA0430	0	-0.77124	-1.15828	-0.07074	-0.67907	-0.33986	-0.3811	-0.93191
TULP1	0	-1.10028	-1.03469	-0.04329	-1.83553	-0.03231	-0.90309	-0.35446
PTPN11	0	-0.76993	-1.41673	-1.26651	-1.10254	-1.31418	-1.60863	-1.14101
TCEANC	0	-1.46373	-2.01366	-0.93071	-0.09959	-1.10387	-1.02226	-1.39045
C7orf23	0	-1.17309	-0.94353	-1.05781	-0.73264	-0.89586	-0.47296	-0.66655
RAB11FIP2	0	-0.38532	-0.62809	-0.42172	-0.86488	-0.42863	-0.44635	-0.03646
TMEM120	0	-1.27015	-0.74826	-1.37912	-0.86015	-1.26097	-1.6	-1.07883
RDH14	0	-1.46325	-1.04773	-1.32719	-1.02782	-1.53164	-1.79206	-1.3651
IFT88	0	-0.72414	-1.09728	0.281558	-0.69529	-0.45478	-1.53626	-0.12315
HSF2	0	-0.09003	-1.4103	-0.44089	-0.7766	-0.86105	-0.82018	-0.48789
OSBPL10	0	-1.31041	-0.31114	-2.36541	-1.24947	-1.8792	-2.15762	-1.08709
ZNF626	0	-1.39001	-1.47052	0.264135	-0.87258	-1.07898	-1.44436	-1.49642
PHC2	0	-0.95909	-0.39633	-0.59807	-1.16874	-0.54597	-1.37741	-0.1713
C15orf61	0	-2.08217	-1.34827	-1.74121	-0.90987	-1.46896	-1.48586	-2.00215
PPP1R15A	0	0.11225	0.097231	-1.29391	-1.61764	-1.72336	-1.30126	-2.43677
TBRG1	0	-2.17989	-1.30751	-1.05988	-0.68449	-2.29964	-1.26251	-1.46045
THYN1	0	-1.50762	-0.48748	-0.92182	-0.81889	-1.59161	-1.30676	-0.41767
ARL2	0	-1.03341	-0.08648	-1.12475	-1.01124	-0.36045	-1.00432	-1.2229
TAF1	0	-0.98856	-1.97092	-0.63773	0.185388	-0.68483	-0.65439	-0.77857
KDM3B	0	-1.01727	-1.36905	-0.79152	-0.93182	-1.06739	-1.34447	-0.86218
TANC1	0	-0.89223	-1.5431	-0.89916	-0.74437	-1.279	-1.12135	-0.97998
ZNF570	0	-1.79393	-0.04205	-0.63818	-0.93975	-1.97373	-1.84731	-2.24993
NOTCH3	0	-1.08617	-1.64275	-1.40022	-0.60069	-2.37263	-1.22698	-2.07006

ACAP1	0	0.255929	-0.18505	0.270975	-0.54526	-0.07627	-1.01672	-0.976
RAD51D	0	-0.72208	-1.38886	-0.60273	-0.07827	-0.49233	-0.51633	-0.12806
MAT2A	0	-1.15137	-1.3779	-0.34779	-0.55191	0.236248	-0.90556	-0.1853
C3orf78	0	-1.70478	-0.89254	-1.13506	-0.58881	-2.17458	NA	-0.66228
ST13	0	-0.693	-0.68881	-1.18441	-1.41462	-1.051	-1.49555	-1.04931
TRIM8	0	-0.74129	-1.44382	-1.02683	-0.91436	-1.30965	-0.89569	-1.16065
PTEN	0	-0.53789	-1.70209	NA	-0.89428	-0.64844	-0.81754	-0.98346
MAP1LC3,	0	-1.30099	-0.73357	-0.37414	-0.41402	-1.20682	-1.23742	-0.6189
ZNF189	0	-1.44445	-0.97093	-0.83494	-1.29604	-2.1371	-0.92592	-1.48386
BBS4	0	-1.37797	-0.7024	0.47563	-0.6643	-0.07441	-0.6036	0.104823
SCN3B	0	-0.88155	-0.91386	-0.75039	-1.27612	-1.17588	-1.10937	-1.1271
HUS1B	0	-0.12682	-0.93021	-1.30881	-0.54701	-1.21202	-0.80631	NA
ECE1	0	-0.25126	0.289978	-0.63562	-0.91392	-0.46745	0.212449	-0.48822
SMYD4	0	-0.82936	-1.65661	-1.00666	0.243807	-1.46757	-2.18601	-0.57071
PHF13	0	-0.53872	-1.18382	-0.98679	-0.80111	-1.11005	-1.03395	-1.0143
NOTCH2	0	-0.69894	-0.8392	0.106796	-0.7065	-0.43863	-0.83061	-1.31253
MIR7-3HC	0	-0.89849	-1.77048	-0.08775	-0.65463	-0.50081	-1.10245	-1.62699
WDR1	0	-0.86868	-0.39492	-0.22528	-1.039	-0.39659	-0.81907	-0.49788
CYHR1	0	-0.83154	-0.09521	0.0781	-0.48777	-0.49681	-1.29188	-0.84768
GNPTAB	0	-2.49581	-1.57253	0.201307	-1.05449	-1.6816	-0.82746	-0.61344
MOB2	0	-0.17988	-0.0022	-0.47175	-1.37035	-0.00622	-0.95084	-0.9145
SLC26A11	0	-0.39181	-0.66972	-0.43596	-0.55874	0.290318	-0.39742	-0.54392
ZNF181	0	-2.85705	-1.15655	-0.81862	-2.18551	-0.96243	-0.41767	-0.57541
SLC25A26	0	-0.70594	-1.13159	-0.94753	-1.43674	-2.47975	-0.9149	-0.04626
ZNF174	0	-0.4901	-0.57515	-0.75656	-1.17893	-0.54732	-0.26431	-0.96493
ANXA11	0	NA	-1.10603	-0.75394	-0.90444	-2.3004	0.541514	-0.48984
A1BG	0	NA	0.18012	NA	-1.41457	-2.08268	-1.092	-0.09093
DOPEY1	0	-0.95298	-2.28303	-0.59871	-0.55512	-0.53973	-0.78534	-1.29304
CIDECP	0	-0.18875	0.034619	-0.85866	-0.85235	-1.25105	-0.79415	-1.20389
ZMYM6NF	0	-1.54246	-0.83324	-1.04276	-1.96034	-1.56847	-1.12432	-0.57628
COPZ2	0	-0.07579	-2.28914	0.236719	-0.49263	-0.64305	-0.86283	-0.55806
IFT140	0	-0.38623	0.19354	0.142352	-0.97828	-0.30185	-0.63689	-0.95075
ATG5	0	-0.57472	-0.80247	NA	-0.91629	-0.34347	-0.8444	0.052117
CREBL2	0	-1.95638	-2.02607	-0.82611	-1.62892	-0.92927	-1.57792	-0.8202
KIAA1826	0	-0.66041	-0.79281	-0.4085	-0.89951	-1.8304	-1.10998	-0.48849
MBOAT1	0	-1.18208	-0.73977	-1.4493	-0.68592	-1.54719	-1.43121	-1.00285
CPNE6	0	-1.0697	-1.19708	-2.3538	-0.52728	-1.5622	-1.56583	-1.73877
RGMB	0	-1.0985	-0.01442	-0.24601	-0.19265	-0.80896	-1.50435	-0.72872
LOC14578	0	-1.82159	-0.34702	-0.63535	-1.01111	-0.82443	-0.86474	-1.03226
YTHDC1	0	-0.99185	-1.61027	-1.1064	-0.56528	-1.41137	-0.96354	-1.02412
BCL9	0	-1.19166	-1.36631	-0.41449	-1.80303	-0.55621	-0.80789	-0.438
ARHGEF12	0	-1.78238	-1.48798	-1.43103	-1.30564	-1.28866	-1.27004	-0.68285
STK32A	0	-1.90439	-2.07001	-0.0367	-1.42233	-0.03423	-1.455	-1.63128
TOR1AIP1	0	-1.49187	-1.82665	-1.30983	-1.16302	-1.58777	-1.75815	-1.02479
FNIP2	0	-0.56123	-1.03423	0.316639	-1.1442	-0.69998	-0.49618	-0.86994
TRIM4	0	-1.11837	-1.17144	-0.40079	-0.744	-1.20239	-1.31733	-1.51356
SNTB2	0	-0.9659	-1.2385	-0.82877	-0.69993	0.090596	-0.71341	-0.65456
PRR4	0	-1.82721	-1.45292	-0.18468	-0.86747	-0.14122	-0.56908	-0.73171
KIF17	0	-0.65405	-0.82367	-1.68297	-1.06499	-1.94632	-1.33195	-1.26989
AIMP1	0	-1.2878	-0.95595	-1.31939	-0.85165	-2.33489	-1.80365	0.211069
HOXC8	0	0.22856	-0.7165	-0.53705	-2.13407	-1.1515	-0.578	-0.45606
MOAP1	0	-0.9509	-1.33398	-0.62072	-1.10874	-0.85594	-1.39126	-1.07974
ATF2	0	-0.57645	-0.83497	-0.2523	-0.96096	-0.58353	-1.07286	0.223705
NPIP	0	-0.78486	-1.22104	-0.23323	-0.65365	0.447248	0.118646	-0.52682
RALGAPA1	0	-1.46935	-1.48169	-0.66165	0.009748	0.024437	0.044714	-1.55614
MTMR9	0	-1.45084	-2.3217	-0.74341	-1.07968	-1.46976	-1.22822	-1.60189
WDR19	0	-1.58817	-1.59446	-0.29214	-1.3852	-1.14262	-1.3473	0.388177
MRPL50	0	-2.0477	-0.80711	-0.30974	-0.51869	-1.23275	-1.21158	-0.27391

WHAMM	0	-1.30909	-1.05588	-0.28378	-0.98745	-0.71961	-0.34386	-0.38774
UBR1	0	-0.8991	-1.05803	-0.33323	-0.6675	-0.70647	-0.98964	-0.4643
DCAKD	0	-0.69451	-1.17046	-0.74007	-0.74555	-1.02105	-1.18688	-1.49483
TKTL1	0	-1.11808	-1.28376	-1.89589	-0.0386	-1.39851	-1.23426	-1.6491
SMAD4	0	-0.87624	-1.07058	-1.18462	-0.84094	-1.70344	-1.57012	-2.46267
ANGEL2	0	-1.15932	-1.47842	-0.45502	-0.11272	-0.38179	-0.774	-0.25592
CNOT7	0	-1.77898	-2.55447	-2.0948	-0.64477	-1.93757	-1.42392	-1.57756
DLG3	0	-0.93104	-1.08585	-1.50077	0.186099	-1.17035	-0.58303	-0.69243
ST6GALN/	0	-0.47902	-0.11476	-0.33966	-1.18626	-0.66601	-0.55384	-0.02293
MPHOSP/	0	-0.92476	-1.58154	-0.3265	-0.53644	-0.68532	-0.24979	-0.64772
SYS1	0	-1.27363	-0.51771	-1.703	-0.68357	-0.94329	-1.27328	-1.16844
FZD1	0	-0.89961	-1.14678	-0.47051	-0.80121	-1.72134	-0.59624	-1.59924
CBY1	0	-1.84847	-1.23922	-1.1428	-0.95136	-1.2711	-1.62307	-0.92675
APPL1	0	-0.58533	-1.06523	-1.21742	-0.42702	-0.96655	-1.94611	-0.35628
DDHD1	0	-1.538	-1.51151	-0.62525	-1.05649	-1.06605	-1.38671	-2.44687
USP33	0	-1.84714	-1.42376	-1.03961	-0.51855	-0.94375	-1.19736	-0.60528
CEP290	0	-0.80194	-1.15655	-0.36438	-0.80953	-0.85097	-1.17329	-0.43252
DKFZP686	0	-1.25928	NA	-0.03763	-0.93015	-0.28719	-1.37449	-2.40179
FAM116A	0	-0.03624	-0.79659	-0.97965	-0.81241	-0.69805	-1.34434	0.568261
CASQ1	0	-0.57038	-0.50878	-0.73385	-0.98232	-1.21354	-0.53157	-0.8847
CHURC1	0	-1.87917	-0.59069	-0.50263	-1.82135	-0.91676	-1.67756	-0.99998
FRA10AC1	0	-0.51465	-0.84053	-0.18908	-1.02817	-0.58792	-0.03335	-0.23811
UNKL	0	-0.62607	-1.06396	-0.42146	-0.00407	-0.80549	-0.14012	-0.79569
KAT8	0	-0.10199	-0.1796	-0.8962	-0.93569	-0.64914	-0.42429	-0.52431
INPP5K	0	-0.93907	-1.66648	-0.67806	-0.67694	-1.23301	-1.73281	-1.32893
ALS2CR8	0	-1.97027	-2.31413	-0.07676	NA	-1.10515	-2.1721	-0.04452
MMAB	0	-0.40306	0.093613	-0.51467	-0.22108	-0.01357	0.543637	0.698634
PAN2	0	0.018523	-0.57502	-0.05563	0.436941	-0.09865	-0.05287	-0.26908
NBL1	0	-1.91961	-1.84349	0.248378	-1.51291	-0.85362	-1.03376	-1.59369
CUBN	0	-1.74807	-1.11002	-0.07941	-0.9828	-0.83513	-0.8973	-1.71052
COMMD6	0	-1.45588	-1.99826	-0.99466	-1.04307	-1.70934	-1.3121	-0.25102
RFXAP	0	-1.31046	-1.79307	-1.11049	-0.68161	-2.12329	-0.59269	-0.77159
FLJ39534	0	-1.14868	-0.76848	-0.16505	-1.16064	-1.07557	-1.67699	1.003056
LHPP	0	-0.92397	-1.82305	-0.58245	-0.65121	-0.28835	-0.70904	-0.70481
CDKL5	0	-0.48427	-1.69858	-0.39692	-0.725	-1.024	-1.01797	-1.35678
ZC3H13	0	-1.06507	-1.36752	-1.11801	-1.61359	-1.55049	-1.56946	-1.46864
UBTD2	0	-1.09579	-1.2683	-1.51479	-2.39952	-1.93775	-1.78112	-1.81491
TERF2IP	0	-1.0274	-1.33404	-0.6743	-0.98925	-0.87322	-0.88289	-1.37029
GCC2	0	-0.17882	-0.86038	0.397668	-0.30986	-0.52691	-0.37559	-0.02351
LOC10032	0	-1.28963	-0.99848	-0.99684	-1.36434	-1.27667	-0.9349	-1.15474
RSPH4A	0	-1.33135	-0.00947	-0.04573	-1.57468	-0.3047	0.585458	-1.10281
NR5A2	0	-1.32901	-1.80903	-0.15822	-1.40252	-1.48684	-1.77961	-2.06908
BPTF	0	-0.67052	-1.26444	-0.6238	-0.66139	-1.10308	-0.96693	-0.86098
FAM178A	0	-0.8375	-1.94934	-1.05973	-0.02596	-0.81573	-1.12527	-0.33349
LOC28378	0	-1.61931	-1.60921	-0.8291	-0.91634	-1.99283	-0.71862	-3.20344
BNIP3L	0	-0.73752	-1.50479	-0.34069	-1.48364	-1.1891	-2.25193	-0.90789
GFPT1	0	-0.68579	-1.31756	-1.22175	-0.05192	-1.73826	-1.10485	-0.63153
RANBP3	0	-1.95483	-1.34068	-1.31224	-0.73479	-1.06336	-1.89281	-1.93874
PFDN5	0	-0.81335	-0.96009	-0.46111	-1.25558	-1.03707	-0.60708	-0.38352
LOC10012	0	-0.41812	-1.63767	0.612206	-0.21689	-0.48879	-0.67993	-0.26464
TMEM42	0	-1.59829	-0.4934	-0.91313	-0.73745	-1.2354	-1.72953	-0.41776
HNRNPUL	0	-0.69733	-1.51944	-1.31171	-0.31904	-0.7196	-1.16463	-0.15534
ELK3	0	-0.67022	-0.29438	-0.61492	-1.84766	-1.3662	-1.3091	-0.91632
PAN3	0	-0.68599	-1.5833	-1.02141	-0.49058	-1.29154	-1.42486	-1.11656
DPY19L3	0	-2.37948	-2.22453	-0.64624	-0.30823	-1.09638	NA	-0.80489
TAF1C	0	-0.08521	-1.13835	0.058539	-0.17236	0.108576	0.151771	-0.42746
TMEM59L	0	-1.52374	-0.78567	-0.24462	-1.27885	-0.80029	-1.5677	-1.15692
USP44	0	-1.45219	-0.77807	-0.04044	-1.54864	-0.52219	-1.20925	-2.796

SEC22C	0	-0.73189	-0.14222	-1.46764	-1.63566	-1.37367	-1.64766	-0.29138
ARID4B	0	-0.88255	-1.54149	-0.6783	-0.79869	-1.0805	-1.33286	-0.99262
HIPK3	0	-0.6295	-0.71486	-1.72554	-1.23266	NA	-1.86391	-0.7532
MXI1	0	-0.50613	-0.74639	-1.15023	-1.3142	-0.58	-0.75785	0.010893
RSBN1L	0	-1.33631	-0.75417	NA	-0.45382	-0.78373	-0.89862	0.460975
CRYZL1	0	-1.44363	-1.28948	-0.98487	-1.66519	-1.37258	-1.42345	-1.08244
TMEM129	0	-2.19189	-0.98835	-1.01933	-0.91218	-2.05827	-1.16833	-1.19611
VEGFB	0	-1.31074	-0.40177	-0.26875	-1.264	0.827766	-1.4789	-0.83432
SDCBP	0	-0.82241	-0.26881	-0.39996	-1.34563	-0.48542	-1.15433	-0.43107
FBXO21	0	-0.9285	-1.36399	-1.06639	-0.77015	-1.3845	-1.03418	-0.94308
LRRC37A2	0	-1.03132	-0.3839	-0.21389	-0.87773	-0.67989	-0.05471	-0.20642
ZNF665	0	-1.74236	0.003521	-0.04743	-1.62446	-1.04534	-0.61694	-0.0764
S100A13	0	-1.01502	-0.73065	-0.88398	-1.23546	-1.1349	-1.24065	0.027745
TRPC3	0	-0.72284	-1.57137	0.75842	-0.71835	-1.15688	-1.6497	0.039709
UGGT2	0	-0.7161	-0.87122	-1.34268	-1.96844	-2.52425	-1.55561	0.227317
HNRNPD	0	-1.97968	-2.0141	-2.27286	-0.44586	-1.3073	-2.22896	-1.24516
GRAMD3	0	-0.1586	-0.51689	-0.23541	-1.65405	-1.17116	0.110906	-0.73242
FAIM2	0	-0.18784	-0.61909	-0.35009	-0.97343	-0.65998	-0.86221	-1.45157
HS2ST1	0	-1.45965	-1.36493	-0.58369	-0.785	-0.77646	-1.42091	-0.44622
TNRC6A	0	0.093705	-0.54011	-0.04383	-0.64464	-0.15537	-0.17278	-0.03391
CSDE1	0	-1.2878	-1.22582	-0.62037	-1.08206	-0.89091	-1.65312	-0.84388
TRAPPC6A	0	0.408736	-0.94872	-0.43542	-0.68153	-0.93598	-1.25236	-1.25147
PIGK	0	-1.37439	-0.98161	-0.54955	-0.91143	-0.85704	-0.51029	-0.03043
CPT1A	0	-1.35817	-2.84473	-1.54295	-0.80929	-0.40001	-0.36483	-1.03245
MAP3K6	0	-1.52455	-1.45046	-1.36114	-0.42476	-1.05511	-1.24088	-2.02071
DNMBP	0	-0.65819	-1.04682	-0.9116	-0.47888	-0.78347	-0.78045	-1.47839
PPM1D	0	-0.7125	-2.44864	-1.32167	-0.5703	-1.70727	-0.92086	-0.95908
MCM9	0	-0.66368	-1.34776	-1.33012	-0.66619	-1.63539	-0.52031	-0.3902
PCNP	0	-0.36529	-0.96261	-0.46492	-0.61103	-0.77171	-1.11853	-0.8991
TCAP	0	0.226924	-0.65563	-1.29136	-0.61747	-1.57379	-0.83887	-1.50804
OSBPL1A	0	-0.41344	-1.43572	-0.61997	-1.50062	-1.78678	-1.6871	-1.5653
AHDC1	0	-1.01491	-0.90188	-1.02019	-0.98191	-0.90038	-0.9979	-2.11158
POM121L	0	0.123289	-1.06203	-0.70467	-1.26437	NA	-1.2246	-0.89823
IQCK	0	-1.29998	-1.00744	-0.77408	-0.80367	-0.68232	-1.93558	-1.41237
HOOK3	0	-0.93055	-1.92883	NA	-0.50191	-0.89959	-0.9697	-1.33861
DICER1-A	0	-0.26463	-0.91298	0.816784	0.173333	0.066948	-0.71086	-0.24264
TMEM43	0	-1.47363	-0.7708	-1.12936	-1.00588	-1.12352	-1.75505	-1.98448
FAM82A1	0	-1.52849	-2.68274	-0.57657	-0.73325	-1.30047	-1.19384	0.188008
VPS13A	0	-0.48514	-0.14139	NA	0.486282	-1.47019	-0.41729	0.408492
ZNF575	0	0.350417	-1.51661	-0.65367	-0.3145	-0.711	-1.33506	-1.9427
AKAP11	0	-0.59834	-1.05494	-0.00511	-0.70336	-0.68644	-0.40637	-0.40685
HNRNPU	0	-0.89781	-1.57793	-1.14265	-1.10414	-0.90831	-1.2017	-0.85504
C14orf45	0	-0.96347	-1.36048	-0.26356	-0.69774	-0.95461	-1.48084	-0.52476
BMI1	0	-1.8876	-1.99014	-1.3768	-0.96167	-1.48228	-1.1617	-0.95578
RRP15	0	-1.03713	-0.83173	-1.00052	-0.5214	-0.6186	-1.02125	0.366245
PHLPP2	0	-0.90944	-0.48878	-0.81685	-0.53788	-0.92674	-1.61938	-0.5082
LOC1005C	0	-0.58788	-0.31379	0.200706	-1.62527	-1.21833	-1.20546	-1.35099
BBS12	0	-1.55265	-1.09478	-0.42691	-2.24621	-1.34311	-2.096	-0.37189
XPA	0	-1.82825	-1.06165	-0.83303	-0.74812	NA	-0.75077	-1.06583
DGKD	0	-0.8207	-0.44502	-0.33881	-0.30756	-0.48875	-0.66285	-1.22003
NIPSNAP3	0	-1.92073	-0.82649	-0.5935	-1.53697	-1.80972	-1.90074	-2.80925
MAPT	0	-0.58414	-0.15068	-0.20255	-0.39098	-0.79042	-0.55968	-0.95957
ARID4A	0	-0.74342	-1.15551	-0.95314	-0.72879	-1.09718	-1.49614	-0.91044
ZNF418	0	-0.79062	-1.45239	-1.47594	-1.00085	-1.01816	-1.42903	-1.49461
RABL2A	0	-0.81874	-0.97349	-0.55672	-0.5351	-0.52854	-1.10419	-0.55588
C1orf56	0	-1.02353	-1.11012	-0.52367	-1.46108	-1.60285	-0.82608	-0.21242
ZNF19	0	-2.08254	-0.59004	-0.32006	-0.16315	-1.52991	-1.28501	-0.49721
NBR1	0	-0.87073	-1.38733	-0.17077	-0.83526	-0.78881	-0.97654	-0.83499

ABCA9	0	-2.34383	-1.35143	-0.09496	-1.38347	-0.03981	0.536265	-0.29795
CSRNP1	0	-0.1962	NA	NA	-1.81858	-1.46921	-1.94513	-2.28009
GPR162	0	-1.01378	-1.43996	0.213359	-0.14569	-0.37788	-0.70964	-0.88595
FAM195B	0	-1.16358	-0.87455	-0.32461	-1.51653	-0.89015	-1.80337	-0.87143
CAMKK2	0	-0.09801	0.362941	-1.79997	-2.07866	-0.70235	-0.48225	0.052531
FAM117B	0	-1.46224	-2.40105	-1.15883	-1.64376	-0.34727	-0.49651	NA
LRRC37BP	0	-0.85679	-1.54515	-0.2945	-0.51452	-0.45053	-0.98279	-0.26285
TBC1D12	0	-0.07419	-1.57837	-0.77281	-0.41463	-1.28503	-1.14191	-0.33551
WWP2	0	-0.5984	-0.9876	-1.1517	-1.31234	-0.97965	-0.60287	-1.08365
TSPAN3	0	-1.58588	-2.10306	-0.80952	-1.17515	-0.65218	-1.06663	-0.96064
GCOM1	0	NA	-1.78971	-1.45643	-0.70838	-1.60637	-1.66198	-1.20589
CD63	0	-0.95747	-1.08579	-0.22574	-1.10049	-1.48594	-1.42496	-1.3171
SIGIRR	0	-0.93461	-1.48674	-0.40583	-0.23374	-0.70707	-0.3622	-0.3173
PDLIM7	0	0.204506	0.391481	-0.33592	-1.59979	-0.85731	-1.46205	-1.2437
OTUD7B	0	0.070804	-1.34225	0.594785	-0.46515	0.21083	-0.27797	0.185259
PHF3	0	-0.8069	-1.34643	-0.78996	-1.16124	-1.37263	-1.12019	-0.27039
METTL16	0	0.021963	-0.73845	-1.43859	-0.3045	-1.08532	-1.7811	-0.37856
PACS2	0	-0.48504	-1.47655	0.512638	-0.56144	-0.57239	-0.74185	-1.93117
MICB	0	-0.8465	-0.83033	-0.66217	-0.74162	NA	-0.92064	-0.06732
PSPC1	0	-0.88717	-0.98107	-0.54523	-0.59357	-1.30003	-0.64362	0.178835
FAM125B	0	-1.70252	-1.2202	0.033255	NA	-0.33446	-0.57367	-2.25693
USP53	0	-0.125	0.464143	-0.37282	-0.77822	-0.33164	-0.81091	-0.33392
RHBDD1	0	-2.12055	-1.88352	NA	-0.67862	-1.38093	-0.83614	-3.14169
OAT	0	-0.90595	-1.55229	-1.45947	-1.12343	-0.78786	-1.24452	-0.76895
KIAA1430	0	-1.42894	-1.24992	-0.97098	-1.43866	-1.24771	-1.49019	-0.40487
EIF4B	0	-0.77407	-1.61989	-1.57461	-1.07814	-1.64991	-1.06454	-1.3825
CRAT	0	-1.0873	-0.12597	-0.23024	-1.3704	-1.53347	-1.19172	-2.05667
RSAD1	0	-1.25278	-0.54904	-0.03458	-0.41578	-0.40626	-0.61707	-0.79731
PLEKHM3	0	-0.9644	-1.98648	-1.14783	-1.218	-1.52039	-1.81044	-1.66494
FOXJ2	0	-0.30059	-1.119	-0.88962	-1.61094	-0.96707	-1.00381	-1.14505
MICAL3	0	NA	-0.01357	-0.6959	-1.27202	-0.44946	-0.83888	-1.67132
MKRN2	0	-1.58606	-0.97274	-2.13599	-1.42692	-2.46037	-2.4851	-1.89884
PFKP	0	-0.5101	0.224396	-1.6757	-1.30437	-0.72304	-2.75904	-1.02687
ATP1A10	0	-2.71691	-0.91418	-1.81842	-0.74678	-0.62234	-1.54098	-0.53183
SHROOM1	0	-1.44018	-0.94893	-0.31621	-1.08911	0.563008	-0.69201	0.512451
CRABP1	0	-1.04446	-1.41619	-2.03419	-0.67711	-0.88451	0.349629	-1.27185
SBF2	0	-0.71032	-0.93317	-0.38649	-1.3062	-0.64436	-1.0272	-0.63812
LOC1005C	0	-1.55381	-0.55796	-0.08921	-0.82663	-0.44039	-0.69553	-0.34832
ZDHHC14	0	-1.82354	-1.51323	-1.33289	-0.73559	-0.39043	-0.67909	-0.97652
CCDC130	0	-0.59136	-1.70486	-0.78649	-0.46914	-0.98674	-1.05162	-2.20581
COQ10A	0	-1.02273	-0.44214	-0.49235	0.180167	-0.65493	-0.45924	0.835811
CHST15	0	-0.80938	-1.06019	-1.9326	-1.13746	-1.56835	-1.33984	-2.13801
CLN3	0	-0.13091	-0.78673	-1.26981	-0.41124	-0.76315	-0.66696	-1.15106
LRRC28	0	-1.68881	-0.32302	-0.11621	-2.07064	-0.17781	-0.15158	-0.63432
SLC24A1	0	-2.38373	-1.49464	-1.42247	-1.356	-2.82572	-2.29028	-1.05344
SEPHS1	0	-1.21995	-1.6926	-1.24351	-0.62447	-0.85527	-1.73888	-0.84098
LOC1005C	0	-1.31669	-1.08046	-0.3754	-1.12082	-0.96678	-1.30316	-0.84047
IKZF5	0	-0.94708	-1.17692	-0.6637	-0.15379	-0.60872	-0.7569	-0.10457
KANSL3	0	-1.03085	-1.4978	-0.48538	-0.37593	-0.92277	-1.14137	-0.60122
NPHP3	0	-0.6486	-0.97607	0.329042	-0.47532	-0.26299	-0.73366	0.858639
TESK1	0	-0.8236	-0.9348	-0.99395	-1.11476	-1.26197	-1.78093	-1.36728
LRTOMT	0	-1.47147	-0.98495	-1.62869	-0.92744	-1.67555	-1.90652	-0.67897
SERBP1	0	-1.92892	-2.27876	-1.59464	-0.75546	-1.84689	-1.95632	-1.08131
MAGED2	0	0.0787	0.311923	0.436245	-0.67778	-0.51248	0.056978	-0.3926
ZKSCAN3	0	0.156752	-2.07773	-0.61558	-1.02817	-0.92311	-0.20677	-0.64731
TGOLN2	0	-1.05174	-1.06748	-0.4264	-0.72679	0.253877	-0.51261	-1.20388
HNRNP35	0	-0.83833	-1.64624	-0.63707	-0.25109	-0.79554	-0.63999	-0.45337
ADD1	0	-0.66206	-0.40083	-0.21025	-1.07095	-0.04936	-0.58033	-0.7309

C10orf32	0	-1.6342	-2.22546	-0.10876	-0.90145	-1.20191	-0.71422	-0.78086
PHKA1	0	-0.67359	-1.15224	-0.32294	-1.29141	-0.83903	-0.54538	-2.16697
ZNF580	0	-0.44732	-0.86596	-0.68837	-0.70839	-0.82167	-0.57365	-1.4066
CCDC116	0	-1.84534	-1.00939	-0.0779	-0.0827	-0.3137	-0.34715	-1.85451
TCF12	0	-1.1274	-1.01045	0.081312	-1.18967	-1.16807	-1.54035	-1.30053
CD81	0	-0.48608	0.061443	-0.11341	-1.52952	-0.52442	-1.0237	-2.31357
LOC10012	0	-1.28065	-1.47546	-1.79561	-1.41726	-2.26705	-1.74203	-2.22771
ATXN2	0	-0.26203	-0.91773	-0.03986	-0.61998	-0.2405	-0.39915	-0.07222
ST7L	0	-1.31611	-1.17889	-0.68489	-0.66518	-0.49622	-1.11798	-0.0125
PCF11	0	-1.76185	-0.27469	0.048313	-0.99177	-0.20706	-0.52829	0.196281
AKAP13	0	-1.2579	-1.83296	0.185918	-0.95202	-0.78081	-0.9079	-1.14981
SCN1B	0	-0.80307	-1.03061	-1.21221	-0.64977	-0.04355	-1.08122	-1.84548
KIDINS22C	0	-1.0233	-2.34954	-0.64032	-1.00776	-1.40949	-1.35832	-1.10833
PURA	0	-1.47406	-1.49078	-1.65261	-1.29655	-1.79504	-0.92523	-1.21006
CREM	0	-1.6913	-1.61149	-0.92717	-0.90221	-1.33144	-1.82321	-1.4426
C5orf44	0	-1.55722	-1.34586	-0.39467	-0.76745	-0.45095	-1.30278	-0.27385
C9orf3	0	-1.67764	-1.80264	-0.80678	NA	-1.50665	0.051902	-2.58588
LOC44166	0	-1.06951	-1.32412	-0.07149	-1.99357	-1.27021	-0.68561	-1.81055
TAF7	0	-2.66665	-0.72853	0.010865	-0.83202	-0.92802	-1.78447	-1.64188
ZBTB38	0	-0.82551	-1.38685	-0.81138	-1.44079	-1.16305	-0.70923	0.299839
KLC1	0	-0.19223	-0.51896	0.118189	-1.1394	-0.25272	-0.96443	-1.04152
FLJ40852	0	-0.6504	-1.11235	NA	-1.1818	-0.75299	-0.62571	-0.60493
KLHL15	0	-0.94608	-1.44676	-0.85427	-0.88071	-1.41407	-0.7124	-0.58288
DDX50	0	-0.90314	-1.50443	-0.8679	-0.72644	-1.2633	-1.2711	-0.48273
EIF4ENIF1	0	-1.14617	-1.63199	-1.42685	-0.71097	-1.17568	-1.49656	-1.3348
GUCA1B	0	0.742443	0.578621	-0.66922	-0.03646	-1.75367	0.928723	-0.07258
NID1	0	-1.29479	-2.35702	-0.44494	-2.02711	-1.76145	-1.35828	NA
C3orf23	0	NA	-1.14273	-1.61385	-0.77048	-1.83357	-1.10975	-0.74197
PDIA5	0	-0.74795	-0.30678	-0.76439	-1.47645	-1.16026	-1.09349	-0.31477
NEK1	0	-1.72349	-0.97662	0.279121	-1.56576	-0.72298	NA	0.251434
BTBD9	0	NA	-1.38534	-0.80208	-1.06254	-0.91922	-1.72325	-1.58428
ETV6	0	-0.94312	-1.03958	-0.95439	-1.10314	-0.66636	-0.8807	-1.18699
ITPKB	0	0.105943	-0.93656	-0.60945	-2.55229	-0.20292	-1.15771	-1.41592
ATG12	0	-1.54829	-1.32362	-0.10712	-1.0507	-1.20346	-1.09591	-0.82924
GOLGA6L	0	-0.45874	-1.28467	0.381555	-0.48505	-0.27119	-0.46977	-0.66675
POLK	0	-0.70327	-0.6395	0.291814	-1.15008	-0.53363	-0.5946	-0.18616
LGALS3	0	-0.81258	-1.10722	0.199329	-1.88825	-0.95876	-1.59518	-2.02909
POGZ	0	0.275099	-0.64459	0.372197	-0.54694	0.373075	-0.06246	0.200465
PIN4	0	-1.27225	-1.07433	-2.34192	-0.64289	-0.8193	-1.23115	-0.23609
ANKRD12	0	-1.50841	-1.8472	-0.73021	-0.84262	-0.55614	NA	-0.96655
NISCH	0	0.017292	-0.41175	-0.16806	-1.15809	-0.25641	-0.64047	-0.69555
PNKD	0	-0.62202	-0.58287	-0.59009	-1.33358	-1.06835	-0.82961	-1.34613
RABGAP1	0	-0.97447	-1.03075	-1.50742	0.03229	-1.61172	-0.53684	-0.82155
RPS14	0	-1.3987	-1.53505	-1.54746	-1.23932	-2.06775	-1.55242	-1.64278
ATP9A	0	-1.05866	-2.96636	0.005709	-0.86764	0.3542	-1.8582	-0.6076
ZNF594	0	-1.36673	-1.49402	-0.37514	0.450953	-1.75127	-1.42003	-0.33911
IRF2BP2	0	-0.41634	-0.49144	-0.61656	-1.51387	-1.21486	-1.38226	-0.49962
CYB5D2	0	-1.37786	-0.60233	-0.76112	-1.37542	-1.76076	-2.00922	-1.20463
DNAJC21	0	-1.97987	-1.08101	-0.41837	-0.42949	-1.08325	-1.33011	-0.5009
PGC	0	-1.08275	-1.04032	-0.28749	-0.95349	-1.04558	-0.79982	-1.57742
DNAJC12	0	-2.19663	-2.4944	0.710484	-1.69009	-2.47961	-1.99745	0.875107
TULP3	0	-0.72415	-0.95891	-0.72116	-1.60758	-0.29708	-0.87795	-1.21821
IDUA	0	-1.01924	-1.28087	0.509815	-0.82847	-0.9411	-0.1834	-1.2376
CTNNB1	0	-0.81985	-0.82567	-0.49788	-1.20642	-1.68035	-2.04961	-0.63608
ADCY3	0	-0.7084	-1.16339	-1.27273	-0.86437	-0.70343	-1.07472	-0.91782
PIK3IP1	0	-0.8703	-1.79217	0.106784	-1.39105	-0.4269	-1.11872	-0.76787
ZCCHC14	0	-0.3713	-1.61965	0.050222	-1.24656	-0.58525	-0.62563	-1.41632
FAM131A	0	-1.56504	-1.35356	-1.67635	-0.75556	-0.7738	-1.41962	-1.48473

ZNF136	0	-1.66131	-0.6115	0.237235	-1.38161	-0.37326	-0.67384	-3.65923
N4BP2L2	0	-0.90747	-1.25346	-0.24107	-0.21643	-0.81552	-0.7602	-0.19413
FEZ2	0	-0.75813	-1.05211	-0.83628	-1.0332	-1.53189	-1.40827	-0.80935
SLC35A1	0	-1.23416	-1.79477	-0.83836	-0.47245	-1.09497	-1.14014	-0.68678
ZFAND4	0	-3.42945	-2.05486	-0.52805	-0.55826	-1.92517	-0.63029	-0.03924
RPL13	0	-1.06808	-1.28814	-1.38292	-1.36964	-1.43426	-1.86799	-0.82069
ZHX2	0	-0.80114	-1.11764	-0.12301	-1.53111	-0.70621	-0.98808	-1.20788
RRAGB	0	-0.02681	-1.24977	0.263758	-2.20741	-0.77451	-0.37591	-1.47362
TOP2B	0	-0.6406	-1.5007	NA	-1.0352	-0.76736	-0.94583	-1.06718
MGC2734	0	-0.92547	-0.46204	-1.01335	-0.14378	-1.14902	-0.69522	-0.82252
ANO6	0	-0.60628	-0.99623	-0.64689	-2.08311	-1.33272	-1.6526	-1.64793
HGSNAT	0	-0.73108	-2.26008	-0.76162	-1.04703	-1.26724	-1.26456	-2.09339
KAT2B	0	-0.84026	NA	-1.29314	-1.02277	-0.87201	-0.95147	-2.01013
PHF8	0	-1.01709	-1.75568	-0.80604	-0.46174	-0.93773	-0.46344	-1.30989
ZBTB46	0	-0.30682	-2.08419	-0.08638	-1.25911	-0.93189	-0.92417	-1.67677
PRR3	0	-0.9813	-1.44858	-1.51534	-0.2677	-1.43748	-0.76487	-0.59245
ALG13	0	-1.01419	-1.36056	-0.39588	0.351084	-0.76871	-0.95015	-1.00556
TM2D3	0	-1.50036	-1.45099	-0.595	-0.95796	-0.75693	-0.99314	-0.90242
EIF2C4	0	-1.6361	-2.1937	-0.79407	-0.7627	-1.0482	-1.97337	-1.21267
ZFYVE20	0	-0.8813	-0.80881	-0.89513	-0.79859	-1.0409	-1.11439	-1.14886
MLYCD	0	-1.33579	-1.92185	-1.30485	-0.46773	-1.30971	-1.2257	-1.31896
H2BFXP	0	-0.186	-1.10806	-1.13707	-1.16271	-0.26899	-0.93957	-0.4339
LOC64366	0	-0.44315	-0.7274	-0.29209	0.321046	-0.78362	0.067247	0.167481
C14orf167	0	-1.3574	-1.25359	-0.87011	-0.44955	-0.90136	-1.15889	-0.14133
KCTD3	0	-0.56549	-1.78977	-0.72941	-0.9909	-1.14874	-0.90468	-0.4184
LOC15896	0	-0.99882	-0.263	-0.01161	-0.01214	0.027282	-0.72401	0.054426
KCTD10	0	-1.11063	-1.54571	-1.12891	-0.88958	-1.08523	-2.08523	-1.21189
BTN2A1	0	-0.36966	-1.52501	-1.15886	-0.60143	-0.56273	-0.51812	-0.75093
EPN2	0	-0.75918	-0.9189	-0.42005	-0.63905	-1.37933	-2.04357	-0.83689
DDX24	0	-0.95175	-1.12453	-0.58994	-0.42121	-0.61544	-1.15934	-0.81968
SUPT3H	0	0.075587	NA	NA	-1.23115	-1.90755	NA	0.413112
LOC4401C	0	-0.54717	-0.64619	-0.0296	-0.24144	-0.97836	-0.36215	-0.27692
DEXI	0	-1.10481	-0.84782	-0.88853	NA	-1.84068	-1.56171	-1.45516
LSM11	0	-0.52687	-0.49401	-0.69059	-1.03325	-1.086	-0.81369	-0.10847
MKLN1	0	-1.10108	-0.84738	NA	-0.57732	-0.77705	-0.8737	-0.35483
NRGN	0	-1.11025	0.955361	-1.42965	-1.16053	-0.59661	-1.22164	-0.17646
ZNF518B	0	-1.03482	-0.92647	-0.92663	-0.74012	-1.09245	-1.77197	-0.4281
TMEM18	0	-0.71908	-0.76425	-1.8916	-0.04082	-1.39696	-1.13801	-0.18436
EXTL2	0	-1.99043	-1.16396	-0.21408	-1.63197	-0.66823	-1.91036	-0.47377
LPIN1	0	-1.49403	-1.36649	-1.16593	-0.8275	0.219171	-0.93344	-0.7142
SUV420H1	0	-1.901	-1.76907	-0.07219	-0.83684	-0.03035	-0.69814	-0.83244
KLF6	0	-0.04926	-0.81154	-0.82521	-1.32641	-0.88644	-2.65367	-1.89517
FCHSD2	0	-1.05128	-0.94123	-0.58826	-0.50981	-1.20817	-0.53962	-0.86151
HDAC7	0	-1.10046	-1.50011	-0.3129	-0.28437	-0.65453	-0.49583	-0.97017
SPRY3	0	-1.77933	-2.18874	0.22711	-0.29622	-0.63556	NA	-0.59799
SLC26A2	0	-2.49566	-1.5109	-0.4379	-1.96043	-1.80178	-0.77461	-1.1434
TOB2	0	-0.35118	-0.22046	-0.95899	-1.23111	-0.89013	-0.08804	-0.0837
LYRM4	0	-1.75643	-0.69147	-1.54332	-1.21829	-1.86017	-1.51581	-1.92475
ALPK3	0	-1.21488	-1.1973	-0.09886	-1.79682	-0.30284	-2.2939	-1.68166
NAALADL	0	-1.44298	-0.93693	0.491064	-0.97266	-1.39844	-1.0398	-1.7642
MYL6	0	-0.76029	-1.14404	-0.64694	-1.2017	-1.30072	-1.27693	-0.71553
SNAPC2	0	-1.74616	-1.18128	-1.55068	-1.6744	-1.74421	-2.4488	-2.02936
KIAA1109	0	-1.09026	-0.78373	-0.56541	-0.43387	-0.51199	-0.78546	0.114162
ABCA11P	0	-1.69046	-0.44945	-0.6511	-1.41723	-0.98258	-1.57746	-0.92716
FAM20B	0	-0.633	-1.67206	-0.7813	-0.96658	-1.10342	-0.98897	-0.71495
COX19	0	-1.61505	-1.53118	1.770802	-0.52156	-1.1284	-0.47377	-1.88808
LYRM7	0	-1.59216	-0.70665	-0.65953	-0.96486	-1.1653	-0.52197	-0.87208
TRIM52	0	-1.04394	-0.41351	NA	-0.05467	0.120637	0.214615	-0.46845

PKN1	0	-0.44262	-1.44768	-0.62359	-1.62168	-0.78083	-0.7476	-1.70439
ASAP3	0	-1.80367	-1.09835	-0.2009	0.006892	-1.08768	-0.82303	-1.45598
ATP6V0E2	0	-1.69417	-0.7152	-0.08511	-0.88589	-0.65502	0.119347	-0.81727
SEMA4C	0	-0.48351	-2.21702	-0.79685	-1.39311	-0.76689	-0.84466	-0.77074
ATP7B	0	-0.10664	-1.31908	-0.74849	-1.65895	-1.08373	-1.85394	-1.98575
AQP7	0	-0.0106	-0.9536	0.761139	-1.79418	-1.01475	-1.64549	-0.04077
C16orf53	0	-1.33039	-0.7166	-1.40432	-0.83043	-0.96371	-1.15604	-1.04017
CCDC7	0	-1.72389	-1.68214	-0.43463	-0.56096	-1.32663	-1.33128	-0.39323
LOC10065	0	-1.01418	-1.35013	-1.71825	-1.07572	-0.45058	-1.68208	-2.38699
STX2	0	-0.93068	-0.19073	-0.37888	-1.28115	-1.26272	-2.06487	-0.14803
COL20A1	0	-1.78668	-1.30866	-0.11327	-1.26088	-1.02195	-1.37053	-1.86081
AFF1	0	-1.59666	-1.53158	-1.22304	-1.18819	-1.40091	-1.78022	-1.4995
RNF38	0	-0.9326	-0.43956	-1.02126	-0.68578	-1.68617	-0.62169	-0.56108
PRAF2	0	-1.0036	-0.91536	-0.15259	-1.18837	-0.84224	-1.24016	-1.42529
PBLD	0	-1.00444	-2.16922	-0.68924	-0.91881	-1.09742	-1.62224	-0.08285
RABGAP11	0	-1.41455	-1.46938	-0.55486	-1.22421	NA	-1.21093	-0.23479
SEMA6A	0	-0.25555	-0.54859	-1.58683	-1.35877	-0.67969	-1.08449	-2.15248
PCDH10	0	-1.17495	-0.01677	-0.09706	-1.75831	-0.41973	-0.09377	-1.57429
C20orf106	0	-1.62945	-1.40821	-0.55773	0.158877	0.013338	-0.38421	NA
HSD17B14	0	-0.27344	-0.96595	0.58384	-1.62302	-0.91852	-0.9668	-1.43133
FAM120C	0	-1.24034	-1.72829	-0.5047	-0.68371	-0.39985	-1.56585	-2.02347
ZNF835	0	-0.78374	-0.01792	-0.05623	-0.15635	-0.36035	-0.05841	-0.69135
ZNF70	0	-1.56828	-0.52716	-1.08602	-1.05534	-1.2259	-2.02855	-0.68824
MPRIIP	0	-0.20074	-0.53685	-0.63889	-1.07178	-1.37392	-0.72205	-0.79329
FADS1	0	-1.16348	-3.16172	-1.27068	-0.83625	-1.66621	NA	0.237191
RAPGEF3	0	-0.22559	-0.38672	-1.36298	-0.95365	-1.77497	-0.98221	-1.18843
EXOC6	0	-2.04923	-3.42047	-1.35629	-0.26883	-1.63751	-0.9055	-0.29608
MTERFD3	0	-1.68189	-1.73934	-0.78523	NA	-1.55208	-0.55559	-0.80222
KIF9	0	-1.3374	-1.02768	-1.46661	-1.38984	-2.23526	-2.33056	-1.74229
ENPP3	0	-2.04852	-1.26876	-0.12152	-1.36499	-0.03146	-0.84937	-2.4339
SLC7A6OS	0	-1.32792	-1.06275	-1.16431	-0.43996	-1.39081	-1.04192	-0.76199
LYST	0	-1.13922	NA	-0.85799	-1.073	-1.22855	-1.09849	-3.13685
ATG4B	0	-0.54153	-1.23097	NA	-0.30178	-0.78517	-0.99509	-1.77294
C3orf51	0	-1.71358	-1.99598	-0.10519	-1.02126	-0.57759	-0.68226	-2.79476
C11orf54	0	-1.49198	-1.18304	-0.56479	-0.52912	-1.56784	-0.7917	-0.39325
S1PR2	0	0.228443	-1.19217	-0.73117	-1.4541	-1.26299	-0.91592	-2.1344
TMEM50B	0	NA	-1.64251	-0.67466	-0.90629	-1.3123	-1.18884	-0.27317
MRPL2	0	-1.54924	-1.25515	-1.29652	-0.97275	-1.25737	-1.61914	-0.93184
SLC2A10	0	-1.01007	-2.04822	0.47167	-1.5088	-0.8423	-1.42629	-1.43674
HERC2P2	0	-0.70834	-1.66614	0.002705	-0.70729	-0.81879	-0.44454	-0.56804
C9orf103	0	-1.33688	-2.66128	-0.89925	-0.3925	-1.41164	-1.10427	-0.76034
DCP1A	0	-1.41053	-1.29957	-1.34259	-0.62107	-1.54033	-1.68715	-0.87195
PPIE	0	-1.96706	-0.07675	-1.72513	-0.74129	-1.43301	-1.35129	0.166979
TBC1D8	0	0.064132	-1.49179	-1.27226	-0.80615	-2.30469	-0.4677	-1.16778
POFUT2	0	-0.32017	-0.86671	0.139333	-0.80554	-0.55418	-0.36981	-0.18566
MLL5	0	-1.10371	-1.27356	-0.64494	-1.24099	-1.02125	-0.97621	-1.04677
ALDH6A1	0	-1.7971	-2.31628	-0.35322	-0.8194	0.062043	NA	0.819043
MAML2	0	-1.83274	-0.12044	-0.53669	-1.76293	-1.89214	-1.35156	-0.7425
TLE1	0	-0.52614	-0.37244	-1.68468	-0.64913	-1.06719	-1.42207	-2.3838
RFT1	0	-1.08226	-0.84497	-1.65582	-0.18706	-1.24658	-1.49581	-0.79042
PNPLA4	0	-0.79609	-1.5445	-1.35004	-1.02575	-0.75918	-1.58593	-0.55438
EEA1	0	-0.68264	-1.57065	-0.68831	-1.05903	-1.27793	-1.62457	-1.92894
SLC25A23	0	-0.84468	-0.65655	-1.00951	NA	-1.94824	0.060998	-0.96066
PHF21A	0	-1.5685	-2.34807	-1.13525	-1.02073	-1.21398	-1.58243	-1.65003
ZNF775	0	-1.38846	-0.80284	-0.92032	-0.85018	-0.85909	-1.41742	-1.45612
BGN	0	-0.4184	-2.06375	0.014239	-1.55949	0.069285	-0.61182	-1.89148
LOC73018	0	-1.41002	-1.02338	-1.54538	-0.17517	-1.34828	-1.32203	-1.02945
VAMP4	0	-1.04178	-1.20694	-0.4651	-1.10078	-0.79815	-1.21064	-1.08863

ZNF615	0	-3.63335	-0.94828	-0.17392	-2.40477	-2.73244	-1.35528	-0.39735
LOC10013	0	-0.75184	-1.27919	-0.02635	-0.4309	0.412613	-0.19289	-1.09214
KAT6A	0	-0.41863	-1.55764	-0.44394	0.18449	-0.59296	0.135906	-1.3566
C22orf23	0	-2.15077	-1.37184	-0.08077	-1.44082	-0.04412	-0.40751	-1.51188
GDPD5	0	0.071532	-1.2659	-0.68012	-0.52466	-0.55265	-0.49632	-0.70472
INPP4B	0	-0.60927	0.95154	NA	-2.8287	-1.06657	-1.35908	0.090065
PKD1	0	-0.57546	-0.8139	-0.73291	-0.92305	-0.12627	-0.68628	-1.82421
ABCD4	0	-1.27278	-1.66172	-0.45723	-0.45962	-0.94104	-1.04911	-0.72048
TRIOBP	0	-0.68993	-0.52994	-0.77024	-1.70751	-0.82014	-1.17452	-1.12106
SESN1	0	-0.84241	-3.1929	-1.14413	-1.49087	-1.33324	-0.81929	-0.34494
KLHL34	0	-1.97496	-1.77408	-0.11652	-0.6416	-1.32761	-0.78713	-3.10023
CA5A	0	0.306405	-1.16052	0.444684	0.12244	0.358101	0.229498	-0.11396
DTX1	0	0.790988	-0.96558	0.918822	-0.22216	-0.40567	-0.51838	-0.99659
ROCK1P1	0	-0.9439	-1.10152	-1.28188	-1.50162	-1.399	-2.05937	-1.02156
PDZD4	0	-1.0096	-1.19266	-0.08056	-2.47544	-0.08394	-0.89713	-0.58477
EIF1AX	0	-0.57887	-1.61333	-0.82938	-1.39803	-0.80279	-1.29045	-0.37246
RGPD5	0	-0.01922	-0.77209	0.789672	-0.5584	-0.26641	-0.33409	-0.04653
CORO2B	0	-0.84096	-1.30431	-0.13207	-1.27719	-1.36109	-1.63872	-0.96544
ADAD2	0	-1.24186	-2.13243	-1.65191	0.40664	-1.54256	-0.96613	-1.47193
ZNF709	0	-2.3876	-1.15723	0.631916	-0.64521	-0.11154	-0.79612	-1.61449
ZNF397	0	-1.75871	-0.95855	-0.68481	-0.30423	-1.09051	-1.1589	-1.21296
LOC10012	0	-1.38941	-1.20838	-0.17629	-0.70228	-1.02535	-1.24239	-0.87848
MFGE8	0	-1.45745	-1.11113	-0.57021	-1.87798	-0.6747	-0.25174	-1.04997
TNFAIP8L	0	-2.66445	-0.65062	-1.43595	-0.89896	-0.17579	-1.58684	-1.54927
LOC1005C	0	-1.20438	-0.91835	-1.80759	-0.95788	-0.59742	-0.2724	-0.41412
C14orf28	0	-1.1988	-1.0636	-0.64063	-1.39947	-1.1809	-1.9349	-1.4547
IL34	0	-0.78481	-0.61577	NA	-1.33919	-1.03557	0.050479	-0.17286
KITLG	0	-1.75468	-1.91693	-0.39761	-0.38673	-0.91255	-0.41103	-2.46199
FLJ44087	0	-1.16659	-0.78626	0.181296	-1.93364	-0.0319	0.957657	-2.01601
FAM123B	0	-1.51927	-1.93227	-1.67175	-0.07038	-0.94393	-0.95474	-1.45555
RBM26-A	0	-1.05289	-1.56544	0.668285	0.846371	-1.56224	-0.17197	0.851044
ZNF30	0	-4.22078	-1.41642	-0.87003	-1.10938	-1.38241	-0.3986	-1.89588
ZNF449	0	-0.85222	-1.36788	-0.05956	-0.6591	-0.95401	-1.53635	-0.76733
LMBRD1	0	-0.99332	-1.76925	-0.3225	-1.4578	-1.4083	-0.99436	-0.5821
LOC10024	0	-0.15453	-1.03833	0.591464	-1.36809	-0.97653	-0.19887	-1.39958
NPTN	0	-2.07428	-2.02605	-2.05976	-1.43441	-1.88836	-2.41135	-1.93122
PLG	0	-1.36373	-2.2592	-0.12823	-0.63932	-0.71935	-1.42489	-1.29596
TRAPPC2	0	-1.25114	-1.37948	-1.16127	-0.85342	-1.72799	-1.60937	-1.50899
HYI	0	0.211668	0.089248	-1.29913	-0.61017	-0.37389	-0.89999	-0.0879
FAM65A	0	-0.54297	-0.09751	-0.83938	-1.15017	-1.72737	-1.32302	-1.62643
LOC43991	0	-1.2954	-2.36687	-1.27822	-0.72485	-1.28278	-1.99919	-1.09709
C1orf51	0	0.228915	-0.48342	-1.65361	-0.28079	-1.74859	-1.09202	-0.24847
BMPR2	0	NA	-0.95066	NA	-1.6986	-0.82568	-1.36562	-0.65225
LPHN1	0	0.241986	-0.70303	-0.0683	-2.2185	-0.69945	-0.68674	-0.4367
FAM54B	0	-1.53908	-0.66497	-1.02952	-0.75474	-1.3318	-1.38268	-1.3409
CCDC102	0	0.145485	-0.12374	-0.59163	NA	-0.75069	-1.009	-0.7241
C2orf74	0	-0.84727	-1.18558	-1.72919	-0.44003	-1.81551	-2.43838	-1.08727
SIDT2	0	-1.40818	-2.19242	-0.71572	-0.47106	-1.31295	-1.25217	-1.84797
NPTXR	0	-0.25702	-1.16902	-0.113	-1.05475	-0.42805	-0.88061	-1.2706
ZMYND12	0	-2.53877	-0.99742	-0.07894	-1.93444	-1.5855	-1.63486	-0.38806
KIAA1958	0	-1.98884	-2.24721	-0.1577	1.46491	-0.58597	-0.46712	-0.2463
NMT2	0	-0.59535	-1.98217	-1.57228	-1.06118	-1.332	-2.18702	-1.07515
DCAF5	0	-0.64624	-2.14807	-1.09385	-0.69147	-0.94822	-1.45939	-1.16605
B3GAT2	0	-2.6543	-2.9037	-1.12313	-0.10344	-1.94943	-2.12827	-0.67873
AGAP10	0	-0.57048	-1.09235	0.426723	-0.20746	0.265292	0.667549	-0.03024
MPL	0	-1.40149	-1.06959	-2.68405	-0.49734	-2.91069	-2.00794	-0.945
CLEC1A	0	-2.46437	-1.80934	-0.1448	-1.71908	-1.26858	-1.5793	-2.06539
CPPED1	0	-1.27647	-0.92336	-0.78579	-1.85543	-1.08543	-1.03096	-1.48044

PLA2G12A	0	-1.4129	-1.91429	-0.96621	-1.04175	-1.59318	-0.91391	-0.21253
MGC2188	0	-1.73865	-0.77694	-0.79149	-0.44413	-1.07591	-1.14899	-0.08448
H2AFJ	0	-2.15958	-0.88685	-1.44591	-2.73203	-1.81962	-1.06878	-1.82181
ENG	0	-1.15059	-1.43304	-0.68432	-1.76985	-1.42791	-0.76727	-1.51314
KCTD6	0	-1.51728	-1.61458	-1.84547	-0.8145	-1.78593	-1.63558	-0.87989
RALGAPA:	0	-1.51871	-1.05852	-0.16167	-1.15858	-0.53313	-1.51695	-1.25088
ADCY9	0	-1.20958	-1.94206	-2.24211	-0.52924	-1.22269	-1.03778	-2.1961
PCDHGA8	0	-1.3288	-0.65013	-0.2087	-1.49773	-0.50773	-1.3334	-1.94431
LOC10065	0	-1.22894	-1.29137	-0.41505	-1.35241	-1.12953	-0.75469	-0.24872
BCORL1	0	0.062374	-1.76298	-0.84701	-0.77998	-1.16835	-0.75978	-0.47862
TBX19	0	-1.22299	-1.25938	-1.25943	-0.62945	-1.20949	-0.70733	-1.13426
CHCHD10	0	-0.6713	-2.14902	-0.84913	-0.33464	-1.89328	0.425761	-0.61493
C14orf102	0	NA	-0.45684	0.381297	0.262302	0.114491	-0.49388	0.379707
LOC90499	0	-0.49432	-1.58919	0.198046	-0.67542	-0.20212	-1.3497	-1.26141
FAM156A	0	-0.53378	-1.01183	-0.02957	-0.42424	-0.3724	-0.54898	-0.54446
CLN5	0	-1.33414	-1.60911	-0.77264	-1.92698	-2.10308	-1.25714	-1.08572
PCYOX1	0	-0.85832	-1.67244	-1.33609	-1.03376	-1.41415	-1.19339	-0.71434
KIAA0355	0	-1.86777	-1.80501	-1.22562	-0.52633	-1.35808	-1.56572	-1.85206
MCPH1	0	-2.20338	-1.5283	-1.23062	-1.51812	-1.46391	-1.37288	-1.31498
LOC22144	0	-1.88588	-1.62612	-0.21732	-0.59258	-0.10615	0.883057	-1.60482
WWOX	0	-2.15297	-2.8324	-1.24409	-0.64542	-0.88696	-1.1137	-2.18675
ARL4A	0	-1.49865	-2.10554	0.265934	-0.80496	-2.11531	-2.65078	-1.58666
SH2D3C	0	-1.09718	-1.77487	-1.21158	-1.25272	-1.08804	-0.80182	-1.65178
RPS15A	0	-0.56201	0.076608	-1.74184	-0.87921	-1.40675	-1.85153	-0.39117
SETD7	0	-1.9382	-2.75704	-1.45151	-1.03871	-1.45478	-1.14831	-0.74201
JPH2	0	-0.39629	-0.46189	-0.14414	-1.10412	0.017182	-1.94738	-0.62038
RNF103	0	-1.02439	-2.35137	-0.9548	-1.00899	-0.27784	-1.40168	-1.5558
ADH5	0	-1.81241	-0.8277	-1.50177	-1.03146	-0.79485	-1.60375	-0.61892
ZNF492	0	-1.92328	-1.92087	-0.99576	-1.20732	-1.03539	-2.16094	-2.54351
KIAA1328	0	-1.22288	-0.56158	-0.77698	-1.20488	-0.77783	-1.17881	-0.75883
TARDBP	0	-1.15935	-0.40404	-0.11681	-0.47073	-0.6958	-0.13364	-0.27613
C1RL	0	-1.76857	-1.66432	-1.51855	-1.73739	-0.96506	-1.20995	-1.49308
CAST	0	-1.36748	-1.08293	-0.95122	-1.8424	-1.48543	-2.35469	-0.97621
LOC1005C	0	-1.47969	-1.83802	-1.17021	-0.84735	-1.41617	-0.99008	-0.92587
ZNF358	0	-0.32089	0.482957	-0.46448	-1.88101	-0.80069	-1.1382	-1.11789
DNAJC27	0	-0.78515	-1.40055	-0.49463	-0.81417	-0.99683	-0.70849	-0.90592
LOC72967	0	-0.85897	-0.91901	-0.43165	-2.50539	NA	-1.03254	-0.90314
NAP1L1	0	-0.6228	-1.6717	-1.36482	-1.21662	-1.7991	NA	-1.29335
WDR7	0	-1.88593	-1.96865	-0.67577	-0.68308	-0.90862	-1.19602	-1.77261
ABCC6	0	-0.78895	-1.59786	-1.80323	-1.30899	-1.98468	-1.45126	0.413094
BBS9	0	-1.26421	-1.18983	0.180432	-1.298	-0.26728	-1.20944	-0.49245
KIAA0141	0	-1.20034	-0.40836	-0.41508	-0.8472	-0.42883	-0.81496	-0.83901
FAM161B	0	-2.15828	-0.97343	-1.17532	-1.23961	-1.49001	-1.40757	-1.30798
CHSY1	0	-1.861	-1.90024	-0.84782	-1.36809	-1.18295	-2.26303	-1.69841
RGL1	0	-2.05012	-2.3946	-0.13345	-1.12645	-0.50077	-1.01899	-1.75139
P2RX7	0	-1.54597	-1.79466	-0.02314	-0.25339	0.599111	0.605696	-1.81344
FAM176B	0	-1.02332	-1.68754	-0.24541	-1.08462	-1.55544	-1.73262	-1.40677
C16orf48	0	-1.30546	-0.18006	-0.72905	-0.79521	-0.61408	-1.31006	-0.21512
SAT2	0	-1.11568	-1.35458	-0.37897	-0.86935	-1.06941	-1.45594	-1.7354
NME3	0	-1.90269	-1.05101	-1.01628	-0.89162	-0.67152	-1.27427	-1.19845
NCAM1	0	-0.86197	-1.05224	-0.15474	-1.53776	-0.76406	-1.21759	-0.61097
NKTR	0	-0.57913	-0.83822	-0.19689	-0.31373	-0.35864	-0.72807	0.377184
AP2A2	0	-1.54355	-0.50142	-1.06867	-0.95475	-1.08501	-2.07815	-1.46635
SLC24A4	0	-0.69288	-0.98994	-0.10426	-1.99324	-0.93745	-0.71629	-2.49158
PIGC	0	-0.61832	-1.64513	-1.55915	-1.39115	-1.44585	-2.01248	-2.03114
FITM2	0	-2.36067	-1.2196	-1.76329	0.036055	-1.19856	-1.59019	-2.40607
ZNF512	0	-0.52809	-0.67224	-0.33259	-0.94333	-0.79154	-0.80823	-0.66497
POM121L	0	-0.1836	-0.47538	NA	-0.83129	-1.22889	-1.14796	-1.05149

FAM134A	0	-0.8828	-0.70699	-0.85643	-1.8804	-0.70751	-1.24692	-1.8616
TK2	0	-1.05869	-0.94463	0.00067	-1.13619	-0.73538	-1.23908	-0.15272
ARMC9	0	-0.48649	-1.04742	0.39363	-0.99915	NA	-1.79897	-1.28923
MYO9A	0	-1.02996	-1.40415	-0.84807	-0.83582	-1.14455	-1.4176	-0.93477
KLHL26	0	-0.70678	-0.8575	-1.66332	-0.75976	-1.78472	-1.17561	-1.60151
PLVAP	0	-0.7236	NA	-1.17571	-1.06867	-1.15476	-0.96585	-1.28758
ZFHX2	0	-0.81758	-2.44093	-0.32015	-0.45825	-1.49786	-0.76795	-3.34818
HEXIM1	0	-1.35829	-0.90252	-1.10413	-1.13178	-1.0132	-1.18782	-1.34911
CNPY4	0	-0.84513	-0.93972	NA	-0.9878	-0.85977	-0.92996	NA
FAM131B	0	-1.88413	-3.04705	-0.83863	0.004802	-2.04531	-2.39244	-2.20154
ZNF26	0	-0.83724	-1.54889	-0.23753	-0.67753	-1.15067	-1.08973	-0.04481
COL6A1	0	-0.17469	-1.70247	1.360925	-1.54442	-0.68028	-1.75578	-2.48381
CYP20A1	0	-1.32302	-1.40699	-0.03195	0.31355	-0.2057	-0.5772	0.06849
CAMK1	0	-0.57726	-0.77884	-0.94736	-1.70922	-0.86004	-1.53275	-1.44162
EMILIN2	0	-1.96684	-1.87057	-0.06993	-1.69813	-1.60924	-1.48308	-2.53013
CLDND2	0	-2.0513	-1.9079	-0.11572	-1.67782	-0.96026	-0.66965	-2.12709
ARL1	0	-1.43728	-1.92012	-0.61891	-1.04012	-1.79903	-1.15727	-1.5272
ASH1L	0	-1.60984	-1.99735	-0.85034	-0.29917	-0.93434	-1.12867	-1.08422
TCP10L	0	-1.80319	-2.58795	-1.36778	0.064362	-1.90524	0.091123	-1.92287
TIMP2	0	-1.14321	-1.70705	0.659687	-1.35297	-1.41281	-1.11442	-1.51317
CDR2	0	-1.2033	-0.68538	-0.85948	-1.2425	-1.45508	-1.4222	-1.1825
BTG2	0	-0.41303	-2.24578	-1.58496	-0.31624	-0.63449	0.103105	-2.7178
NPFF	0	-0.17987	-0.91967	0.562861	-0.32378	0.248802	0.424191	-0.02791
ALDH7A1	0	-0.49067	-0.08627	-0.4214	-0.97315	0.30618	-0.40809	1.237671
CLCC1	0	-1.98098	-1.4148	-1.19823	-0.97781	-1.39014	-1.66072	-1.00587
CRY1	0	-1.39247	-2.00216	-1.13778	-1.46767	-2.06663	-1.2692	-0.60255
HERC1	0	-1.27978	-1.5385	-0.79532	-0.76575	-0.75724	NA	-1.32991
ATP7A	0	-1.41023	-1.71508	0.285998	-0.45418	-0.74123	-1.0905	-1.69895
GNE	0	-1.099	0.345258	-1.05788	0.046641	-1.67735	-0.55147	-0.60361
ELANE	0	-1.54761	-0.90148	-0.13147	-0.18661	-1.04329	-0.51551	-2.84096
STBD1	0	-1.0352	-0.43725	-0.0446	-0.44265	-0.03147	NA	-0.21778
PPP2R5A	0	-1.55842	-2.32342	-1.2731	-1.30945	-1.02791	-1.08813	-1.15983
CNST	0	-1.19982	-1.47879	-0.25834	-0.35496	-0.20015	-0.84774	-0.7473
CCNI	0	-0.8919	-0.95643	-0.54479	-1.26483	-1.41948	-0.72783	-0.80086
ZNF37BP	0	-0.23749	-0.75726	-0.35508	-0.11737	-0.80395	-0.05183	-0.35435
C6orf162	0	-1.25354	-2.07581	-1.33974	-0.6691	-1.47433	-0.70682	-0.98226
LOC1005C	0	-3.61401	-0.50548	-0.83419	-0.31656	-0.40956	-1.51616	-0.60602
CHD6	0	-1.06718	-1.9863	-0.6153	-0.32001	NA	-1.28208	-0.93041
PFKM	0	-0.16271	-0.84531	-0.91212	-0.83771	-1.49536	-0.58091	-0.72075
PIK3R3	0	-2.33153	-1.97221	-0.27716	-1.27075	-0.95563	-0.46786	-0.29612
C2orf68	0	-0.59783	-1.51842	-0.30389	-0.99095	0.097944	-0.42113	-0.73301
SLC22A17	0	-0.52927	-0.50679	-0.07879	-1.26504	-0.17441	-0.74228	-1.14124
FOS	0	-0.22878	-2.10316	-1.10616	-2.48075	-1.18026	-2.00738	-2.95784
DUSP3	0	-1.34476	NA	NA	-1.05252	-0.72002	-1.50773	-1.15074
LOC10013	0	-2.04288	-1.29352	-0.84641	-1.74202	-1.30548	-2.02558	-0.64639
FAM36A	0	-1.47149	-1.3452	-0.75341	-1.45294	-1.00969	-1.33714	-0.42256
PARD6A	0	-1.84456	-2.29147	-1.55472	-0.4368	-1.87831	-0.61569	-0.914
NEK9	0	-1.45424	-1.32829	-0.15177	-0.77937	-0.73636	-1.31761	-1.25319
MLXIPL	0	-0.72403	-1.09282	-0.08011	-1.8351	-0.78801	-1.28392	-1.21523
ZNF527	0	-3.85496	-0.71694	0.159307	-0.4028	-0.98028	-1.22886	-0.4021
DNM1P46	0	-0.82293	-2.04466	-0.89691	-0.76938	-1.70678	-1.3528	-1.12058
SIRT1	0	-1.22772	-2.44244	-1.00031	-0.72425	-1.80824	-1.42235	-1.04293
BATF3	0	-1.95111	-2.95981	-1.73012	-0.15289	-1.09202	-1.8382	-1.26224
RUFY3	0	-1.05018	-1.81319	-0.83043	-1.29456	-1.44062	-2.20748	-0.58852
EIF1B	0	-0.59075	-1.19567	-1.47433	-1.54683	-2.18029	-1.82476	-1.18343
SLC41A3	0	-1.48494	-1.67174	NA	-1.45645	-1.76733	-1.84388	-1.46831
WBP2	0	-0.83969	-2.0493	-1.2959	-2.24672	-0.83673	-1.52039	-2.27882
LBR	0	-0.75321	-2.05663	-1.34511	-0.44417	-1.3187	-1.45921	-0.4944

CCDC149	0	-0.46496	-1.58548	0.138009	-1.0685	-0.38849	-0.77059	-0.8931
GAF3	0	-2.4628	-1.37269	-0.11912	-1.59809	-1.18764	-1.42711	-2.98806
ZNF271	0	-3.34186	-2.13026	-2.10748	-1.42962	NA	NA	-2.0426
KLF11	0	-0.06137	-1.42843	-1.38492	-0.90466	-1.23112	-1.08565	-1.23245
ZNF629	0	-1.02078	-1.08852	-0.63223	-0.63787	-1.2562	-1.2337	-0.55395
C17orf76-	0	-1.15365	-1.35699	-1.28293	-0.64744	-2.579	-2.21431	-1.26746
NEXN-AS	0	-2.0005	-1.24288	-0.06794	-1.26548	-1.75626	-0.76668	-2.3343
RFTN1	0	-0.79299	-0.71377	-1.34277	-1.6559	-1.08742	-1.36474	-2.7717
IFT81	0	-1.55526	-1.57206	-0.95656	-1.02677	-1.90865	-2.47643	-0.73275
AQP7P1	0	-1.05128	-0.57709	-0.06736	-1.97577	-1.67849	-1.05343	-3.12639
LOC33879	0	-1.14143	-0.75034	0.325203	-0.12567	0.209324	-0.30815	-0.98294
GPR21	0	-2.10812	-2.0513	-0.54179	-2.06845	-1.24803	-1.86542	-1.69568
LOC10065	0	0.056582	-1.54078	1.322459	-2.05745	-0.47221	-1.86241	-2.79955
MOV10L1	0	-0.79192	-2.43594	-1.81598	0.269739	-1.33402	-0.8514	-1.44811
CUEDC1	0	-0.6523	-0.59466	-0.76126	-2.02502	-0.78995	-1.42237	-0.94381
BHLHB9	0	-2.78012	-2.96207	-0.88592	-0.66757	-2.27004	-0.8877	-0.76839
SPHKAP	0	0.18734	0.003411	-0.06168	-2.17543	-0.03498	-0.05735	-0.37621
STX12	0	-1.9852	-1.62779	-0.47575	-0.8313	-1.18569	-1.2669	-0.92599
CDON	0	-1.38073	-2.74837	0.395877	-0.57232	0.061711	-0.52936	-2.12828
ZNF528	0	-1.54848	-2.90591	1.320658	-1.81641	-1.54783	-2.3423	-1.64351
ERGIC2	0	-1.25083	-1.74253	-1.20049	-0.72325	-1.50554	-1.15859	-1.48855
LCA5L	0	-1.89184	-1.11663	-0.11337	-1.63217	-0.86969	-1.1064	-0.0585
SLC2A13	0	-1.5477	-0.91361	-0.83893	-1.41084	-2.10148	-1.40695	-1.34212
CA11	0	0.480543	-0.74238	-0.03934	-0.39213	-0.14345	0.361849	-0.38177
AGFG2	0	-1.69349	-2.04673	-2.5063	-1.409	-1.86555	-1.00164	-1.32693
SRSF8	0	-1.68223	-1.55372	-0.28958	-1.11515	-1.42145	-1.27792	-1.44025
ICOSLG	0	-1.49164	-1.29201	-1.07121	-0.77696	-1.03556	-1.12083	-2.63579
RCN1	0	-1.30644	-0.7055	0.00226	-1.13361	-1.20412	-1.155	-0.34364
DCUN1D4	0	-0.74598	-1.04901	-0.94374	-0.95134	-0.92001	-1.53762	-0.58398
CAMK1G	0	-1.34694	-1.86951	-0.10025	-1.73525	-0.79424	-0.79721	-1.1961
CIDEC	0	-0.44	-0.01052	-0.68964	-2.21169	-0.88037	-1.09603	NA
PEBP1	0	-2.03366	-1.89847	-1.72124	-1.06627	-1.37015	-1.635	-0.76392
TM9SF3	0	-0.37424	-1.09671	-0.76619	-1.19438	-1.09431	-1.14781	-0.77648
NCOA1	0	-0.93099	-2.08072	-0.92086	-1.52441	-0.71848	-0.83476	-1.21884
KBTBD3	0	-2.08301	NA	-1.02581	-0.66148	-2.30765	-1.22353	-0.62296
PPP1R32	0	-0.93512	-0.00467	0.77601	-1.59684	-0.25717	-0.31401	-1.77383
SH3RF1	0	-0.88636	-0.82763	-0.65352	-1.77686	-1.44481	-2.35679	-1.87183
NEGR1	0	-1.05021	-1.5955	-0.5239	-2.03552	-0.03285	-0.95994	-2.39173
CECR7	0	-0.72964	-1.11084	0.062454	-0.93413	-0.07197	-0.46667	-0.3827
LOC10014	0	-2.02223	-1.39904	-0.30932	-1.44387	-1.34869	-1.73261	-1.37095
SPATA7	0	-0.86573	-1.05016	0.488615	-1.02288	-0.31231	-0.89723	-1.20046
CREB5	0	0.296062	-0.0787	-0.05613	-3.20219	-1.66179	NA	-1.64184
ARHGEF2	0	-2.28802	-1.65637	-0.08901	-1.44875	-1.40506	-2.11985	-2.659
COX4I2	0	-1.62037	-1.98432	-1.6566	-1.47992	-1.58184	-1.52361	-1.83192
AICDA	0	-2.04195	-1.43462	-0.06437	-1.5255	-1.19936	-1.48357	-3.06678
VAT1	0	-0.55411	-0.88444	-0.09759	-1.16444	-1.43334	-1.67547	-0.77322
CDC14B	0	-0.87347	-0.41539	-0.65995	-1.91148	-0.97999	-0.72591	-1.23433
KIF26A	0	-0.26066	-3.18282	-1.44903	-0.42923	-0.24535	-0.48052	-2.61649
PHF1	0	-0.78447	-0.88571	-0.58422	-1.03822	-0.74967	-0.63092	-0.58674
ZNF43	0	-1.64682	-1.80977	-0.13808	-2.53636	-1.50587	-1.553	-3.66839
ADAMTS4	0	-2.62494	-1.99812	-1.16234	-2.3654	-1.89089	-2.0818	-3.48112
RP9P	0	-0.69474	-0.96448	-1.59149	-1.11429	-1.50977	-1.80407	-1.04232
KLHL24	0	-0.78493	-2.18743	0.360471	-1.31645	-1.05218	-1.71358	-1.50513
MFSD7	0	-1.47937	-1.64768	-0.35423	-1.10276	-1.35721	-1.22773	-1.82614
MECP2	0	-1.19885	-1.31116	-1.16331	-0.94276	-1.04433	-1.12023	-1.06037
KAT6B	0	-1.16571	-2.036	-0.49878	-1.06425	-1.37505	-1.10643	-1.06662
C17orf72	0	-1.80721	-2.00956	-2.48544	-1.4331	-1.70761	-2.06808	-0.99166
SNHG5	0	-0.2669	-1.10587	-1.20547	-0.63413	-1.77286	-2.5415	-0.39833

SPOP	0	-1.21208	-1.08298	-0.733	-0.93661	-1.12458	-1.01211	-1.0085
PIP4K2B	0	-1.60708	-1.61858	-0.88109	-0.85534	-0.94778	-1.38999	-0.81477
HOXA10	0	-1.33403	-1.06107	0.066661	0.04557	-1.85823	-0.66963	-0.19357
FREM1	0	-1.45961	-2.5959	-0.75605	-2.51168	-1.78168	-1.19264	-3.14676
CSH1	0	-0.90523	-0.87931	-1.60638	-2.00633	-1.09726	-1.1907	-0.57148
CCT6B	0	-0.88468	-2.37792	NA	-0.6959	-0.69254	-1.93615	-1.11102
LOC1005C	0	-0.22208	-1.44339	-0.03159	0.025079	0.180541	0.30501	-0.17753
C5orf24	0	-1.75156	-1.03113	-0.59438	-0.86547	-1.42312	-1.17408	-0.61982
UBOX5	0	-1.52673	-1.24372	-0.28153	-0.68612	-0.93935	-2.03893	-1.84297
EPC2	0	-0.78492	-1.71548	-0.45528	-1.13067	-1.09318	-0.6754	-0.43046
TNRC18	0	-1.49098	-1.38356	-0.33647	-0.95885	-0.72978	-1.5183	-1.7276
PRDM11	0	-1.92173	-1.0505	-1.86172	-0.81459	-2.35379	NA	-1.12939
ZNF395	0	-1.73649	NA	-2.71279	-1.60007	-2.41476	-2.02883	-2.68658
SPAG9	0	-0.34531	-1.26264	-0.61542	NA	-1.14764	-1.23926	-1.3653
MGST3	0	-1.28345	-1.62881	-0.58631	-2.38092	-1.34785	-1.85702	-1.98501
MIPOL1	0	0.391952	-2.23987	-0.44787	-0.60347	-2.34333	-1.19574	-1.5518
ARNT	0	-2.26718	-2.18767	-1.23231	-1.72907	-1.47851	-1.91639	-1.64122
IFT172	0	-1.02344	-1.30242	-0.91545	-0.75161	-0.79133	-1.15118	-1.00623
ATF6	0	-1.23294	-3.10607	-1.30976	-2.11513	-1.65071	-1.70431	-1.33402
ADAMTS8	0	-0.72628	-0.02043	-0.09159	-1.16596	-0.79252	-1.52932	-2.00436
C1orf63	0	-2.21016	-1.38472	-1.29512	-1.5188	-2.19835	-1.18166	-1.99626
CCDC121	0	-1.27447	-1.04989	-1.71507	-1.01103	-1.31516	-1.60859	-1.42995
GIGYF1	0	-0.52682	-0.7729	-0.16797	-0.7028	-0.15335	-0.73574	-0.41971
FAM8A1	0	-1.52413	-2.46568	-0.44451	-1.5848	-1.93377	-1.49017	-1.6363
SDK1	0	-0.51181	-1.85459	-1.89264	NA	0.048911	-1.55267	-3.53322
SMTNL2	0	-1.58698	-0.79592	-0.12235	-1.45349	-0.36389	-0.8781	-2.91664
BRP44	0	-1.81176	-2.76561	-1.88982	-1.29071	-1.30305	-1.56251	-1.164
PNPLA7	0	-0.38669	-1.03892	0.783139	-0.78295	-1.09284	-0.83371	-1.54854
MBNL2	0	-0.7777	-1.49049	-0.14593	-1.25237	-1.14084	-1.34327	-1.30914
PCCA	0	-1.59829	-1.6989	0.009372	-1.39255	-0.72697	NA	-0.27051
ZBTB10	0	-0.19071	-2.94472	-0.8195	-2.2376	-2.38104	-2.70789	-0.08628
CEP120	0	-1.67549	-1.39651	-0.96618	-0.73638	-1.42587	-0.82287	-1.18038
TRIM45	0	-0.90808	-0.0363	-0.2011	-0.36705	-0.66552	-0.98922	0.215072
ZNF295	0	-2.00015	-2.39893	-0.7239	-1.06102	-1.30809	-1.61387	-1.5308
LOC28616	0	-0.92986	-2.68863	-1.81583	-0.78411	-1.46056	-1.19076	-1.73994
CCPG1	0	-2.40233	-2.87405	-0.59913	-0.6004	-1.42742	-1.0956	-1.17314
ARHGAP1	0	-1.81803	-2.052	-0.90118	-1.29403	-1.48288	-2.4832	-2.94115
TMEM106	0	-2.17539	-1.99062	0.119137	-1.26849	-1.75697	-1.27911	-2.25701
GTDC1	0	-1.59721	-1.71506	-1.00633	-1.77485	-1.38255	-1.5803	-2.61487
RNF146	0	-0.88033	-1.42255	-0.44543	-1.78484	-0.8061	-1.16838	-0.90146
PDCD6IP	0	-1.2911	-1.48118	-1.03201	-1.90207	-1.7278	-2.05517	-2.20078
DOCK11	0	-2.53728	-1.3386	-1.31545	-1.18761	-0.58947	-1.69089	-2.75873
CPEB3	0	-1.61837	-2.62568	-1.82227	-0.24757	-1.9093	-1.28364	-2.00268
SLC22A2	0	-2.29747	-2.05198	-0.1674	-1.63326	-0.84231	-1.1524	-2.15116
SCML1	0	-0.92192	-1.37903	-1.52244	-0.00449	-0.85877	-0.98475	-0.27325
CD99	0	-1.88874	-1.03827	0.119983	-1.97955	-1.34637	-1.77908	-2.36579
ANKRA2	0	-1.57174	-1.63261	-0.51459	-0.82765	-1.10964	-1.14892	-1.75997
BICD1	0	-0.54578	-0.42662	0.959487	-1.76285	-0.80006	-0.61719	-1.89923
TET1	0	-0.90426	-1.21352	-0.14883	-1.91133	-1.36766	-1.38064	-0.478
TNRC6B	0	-1.68368	-1.83839	-0.76673	-0.9491	-1.08486	-1.0596	-1.35496
ND2	0	-0.76308	-1.70189	-1.8432	-1.21798	-0.97693	-0.96347	-1.03927
SLC27A5	0	-1.85753	-2.51164	-2.27239	0.022552	-2.56023	-0.73696	0.115366
SAV1	0	-1.6966	-1.37611	-1.17432	-1.13776	-1.35881	-2.07246	-1.48575
RARB	0	-2.80934	-2.09965	-0.06927	-1.57468	-1.95152	-1.96268	-2.56102
FAM175A	0	-2.66596	-1.78538	-1.5104	-1.13165	-1.76892	-1.99452	-1.06669
CAND1	0	-0.21616	-1.45557	-0.53673	-0.40293	-0.72219	-1.15565	-0.01723
LOC64521	0	-1.52044	-1.38838	-1.14055	-0.43652	-0.97803	-1.48441	-0.8628
LYL1	0	-0.9529	-0.62847	-0.68528	-1.32034	-1.12207	-0.96564	-1.19421

CCDC151	0	-0.39593	-1.20027	-1.73885	-0.75361	-2.41133	-1.59979	-2.39023
TMEM237	0	0.387011	-1.63199	-0.49575	-1.704	0.262633	-0.72787	0.857258
RAPGEF2	0	-1.23302	-1.36307	-0.95793	-1.28542	-1.2112	-1.6208	-1.32862
C8orf44	0	-1.20368	-1.30635	0.656273	-0.85142	-0.15374	-0.3853	0.589902
PHACTR2	0	-1.47752	-1.96046	-1.58009	-1.13799	-1.64859	-1.64687	-1.57988
TSHZ1	0	-1.36481	-1.00535	-0.39443	-1.86995	-0.73229	-0.79769	-2.5557
TAPT1	0	-2.00981	-2.04362	-0.83072	-0.40971	-1.20678	-0.90638	-0.78766
SMA5	0	-2.76466	0.279488	0.626628	-0.50277	-0.47734	0.172896	0.247782
ARAP3	0	0.078677	-0.65683	-1.07695	-1.21689	-1.68802	-0.63828	-0.52422
LOC1005C	0	-0.0406	-1.88871	0.491608	0.28918	0.216689	-0.03856	-0.89151
USP30	0	-1.08081	-1.68501	-0.24352	-1.23293	-0.68583	-0.76125	-1.17229
GNA11	0	-1.0133	-0.70428	NA	-1.64798	0.25949	-1.64175	-1.20396
RBM4	0	-1.88109	-2.10726	-0.76028	-0.82835	-0.23674	-1.13815	-1.14273
PPP1CB	0	-0.1683	-1.20604	-0.76063	-1.50004	-1.14573	-2.24688	-0.96659
C18orf34	0	-1.96039	-0.8129	-0.05362	-2.092	-0.46983	-0.00073	-1.29886
C1orf123	0	-1.14307	-0.71927	-0.88788	-1.21348	-0.70102	-0.95803	-0.85687
LOC1005C	0	-1.07268	-0.49288	-0.392	-1.42873	-1.80443	-1.89259	-0.13333
ZNF516	0	-0.89195	-2.7747	-0.05018	-1.35469	-0.03661	-0.05218	-0.50483
LOC38772	0	-1.52861	-1.91693	-1.01673	-1.01777	-0.98707	-1.51638	-2.25645
RBM17	0	-1.01582	-1.50918	-1.44428	-0.2018	-0.64858	-1.75781	-0.26586
EPM2AIP1	0	-1.78958	-2.24492	-0.7706	-0.62763	-1.17639	-1.21651	-0.43376
DLGAP4	0	-1.81187	-1.38958	-1.50179	-0.41694	-1.2625	-2.18852	-2.20583
LOC1005C	0	-1.04729	-0.91012	-1.25788	-1.12328	-1.57433	-1.22595	-1.30138
CRBN	0	-1.24979	-1.22557	-0.56772	-1.32363	-1.24423	-1.20435	-2.12177
POMT1	0	-1.09608	-1.0787	-0.99391	-0.04206	-1.07289	-0.77024	-0.95854
ZC3H10	0	-1.71218	-1.49719	-1.14163	-0.92373	-1.79699	-1.87759	-1.63561
ATP6AP1L	0	-1.02157	-1.36004	-0.07536	-0.50373	-1.0846	-0.88298	-1.59309
EIF4A2	0	-2.24987	NA	NA	-1.84882	-2.14891	-2.67675	-2.08054
C6orf35	0	-1.09151	-1.82525	-1.20172	-1.62005	-1.33322	-0.98636	-0.89195
LOC1005C	0	-2.72196	-2.38975	0.169402	-1.90634	-1.34032	-0.61868	-3.57006
FLJ40194	0	-1.28007	-0.62991	-0.04235	-1.64468	-0.56105	-0.04912	-2.16122
ZNF302	0	-2.25096	-1.58358	-0.56714	-0.75548	-1.32245	-0.85805	-1.37548
SHROOM	0	-1.85113	-1.33277	-0.13082	-1.53429	-0.84764	-0.15724	-1.87558
SLCO3A1	0	-1.66197	-1.79082	-1.12248	-0.95072	-2.37154	-1.50875	-4.04533
PLLP	0	-1.01953	NA	NA	-0.87883	-2.66125	-1.64994	-2.07322
PGM2L1	0	-1.41098	-0.63222	0.619271	-1.58355	-1.17525	-1.91197	-1.33359
ENOX1	0	-1.4088	-2.2961	0.866849	-2.20574	-0.65533	-1.4484	-1.34742
FAR2	0	-1.22681	-1.69952	-2.67156	-1.53136	-2.40093	-1.53424	-2.8932
ATP2B4	0	-1.30154	-1.71299	-0.89012	-1.24579	-1.68324	-1.714	-2.60874
MTR	0	-1.48278	-1.48982	-1.0494	-1.12983	-1.40478	-1.80564	-1.03464
DDX19B	0	-0.69658	-0.46121	-0.52466	-0.66095	-0.76796	-0.97539	0.343895
TPK1	0	-1.58866	-2.24339	-0.9338	-1.41099	-1.68709	-1.14197	-2.82774
GNB4	0	-1.88277	-2.35392	-1.01992	-1.47738	-1.82337	-1.83112	-0.59137
LEAP2	0	-1.26601	-1.52818	-1.11907	0.207076	-0.68836	-0.04001	-0.15291
TMEM159	0	0.04681	-0.44058	-0.46723	-1.83188	-1.18489	-1.29819	-2.39369
CTDSPL	0	-1.22217	-1.3461	-2.39044	-1.14217	-2.01393	-1.99698	-0.62845
STK32B	0	-2.55009	-1.82767	1.77537	-2.56971	-0.94519	-1.89293	-2.15121
ARIH2	0	-1.35184	-1.37644	-1.20159	-0.56792	-1.38329	-1.70204	-0.35378
ILK	0	-0.72778	0.054755	-0.67875	-1.89432	-0.91794	-1.56415	-1.21206
GALM	0	-1.62238	-1.47999	0.172932	-0.82936	-0.10732	0.196564	-1.19671
CDADC1	0	-1.98786	-1.38155	-1.14477	-0.98163	-1.60266	-0.70336	-0.2276
ST3GAL1	0	-0.43271	-0.97036	0.898087	-1.29801	-0.31779	-0.87775	-0.21898
FBXO30	0	-1.34573	-1.68485	-1.03368	-1.32329	-1.85287	-1.78626	-1.39838
TNFRSF14	0	-1.83875	-1.31975	-0.12188	-0.61335	-0.37004	-0.27947	-1.1948
SCHIP1	0	-1.74259	-1.8593	-1.44417	-1.84481	-1.34728	-2.18675	-1.81883
RNF215	0	-0.51118	0.168394	-0.28506	-2.8843	-1.85117	-1.94374	-0.46615
ASAP2	0	-0.45301	-1.30379	-2.12501	-1.61523	-2.9459	-2.93917	-1.06036
FAM208A	0	-1.34487	-1.84051	-1.60768	-0.74963	-1.47438	-2.17036	-0.6237

TP53INP2	0	-2.15759	NA	-1.71006	-1.42649	-1.79219	-1.76743	-3.5138
PLEKHG1	0	-1.14969	-3.04655	-1.52436	-0.73478	-2.12174	-1.62893	-3.3863
KANK1	0	-2.21939	-1.47401	-2.28795	-0.87842	-1.736	-2.40633	-3.01045
SIK3	0	-1.88564	-1.56619	-1.6162	-0.93643	-1.93072	-2.00098	-1.63996
CYP2B6	0	-2.20276	-2.08614	-2.12454	-0.5609	-3.0595	-2.77655	-2.09493
TMEM136	0	-1.86797	-4.39881	-0.73954	-1.89876	-2.77102	-2.24434	-0.95579
ZNF585B	0	-2.69787	-0.80657	-0.32317	-1.50453	-1.48256	-1.57767	-2.84749
MTUS1	0	-1.43719	-2.07708	NA	-1.20878	-1.34037	-0.7275	-1.60845
TUBE1	0	-2.49432	-2.35013	-1.39238	-1.20588	-1.77558	-1.93289	-1.5865
PGPEP1L	0	-0.91702	-1.02429	-0.06126	-1.43229	-1.65705	-1.32919	-1.23384
TLN1	0	-0.83723	-0.02618	-1.07539	-1.51148	-1.2904	-1.33712	-1.65966
CTDSP1	0	-1.59461	-1.49603	-1.26693	-1.2368	-1.50016	-1.86731	-2.48623
DHRS12	0	-1.25336	-1.51387	-0.38704	-1.78923	-0.71101	-1.56952	-0.03036
LOC38976	0	-0.731	-2.13891	-0.33901	-0.63861	-0.80772	-0.34716	-0.08103
TIGD7	0	-0.73614	-1.3808	0.130117	-0.64332	-1.78772	-0.07509	-0.20751
INMT	0	-2.17119	-2.11634	-0.05307	-1.11911	-1.00983	-1.5547	-2.01575
UACA	0	-0.73273	-1.54024	-0.47711	-1.25576	-0.9665	-1.44982	-0.07218
ABHD6	0	-1.24476	-2.01727	-1.93853	-0.80373	-1.76323	-1.86214	-0.89139
AHNAK	0	-0.81798	-0.65738	-0.47886	-1.8001	-0.83022	-1.12965	-1.78956
RHOQ	0	NA	-1.84716	-1.39533	-1.74616	-2.4928	-2.43432	-1.8039
CRYL1	0	-1.89922	NA	-0.21646	-2.01995	-0.46857	-1.71131	-2.71875
GSTM4	0	-3.40922	-2.81244	-1.64136	-1.40238	-0.38567	-0.18308	-2.07138
PARD3	0	-1.07561	-1.77905	-1.94951	-0.84053	-0.54717	-2.23798	-1.49869
CAT	0	-1.35762	-1.67413	-1.0672	-2.39804	-1.26689	-1.35777	-1.06924
DZIP1	0	-0.65001	-1.35741	-0.52187	-0.66053	-0.90426	-1.39256	0.55185
AGAP7	0	-0.50393	-1.05093	NA	-0.69271	0.718986	-0.05661	-1.15863
CYP2A7	0	-0.96814	-0.01354	-0.05327	-0.75736	-0.03817	-0.05343	-0.4579
C7orf42	0	-1.0938	-0.93946	-0.58676	-1.0735	-1.03588	-1.21936	-1.07417
ISCU	0	-1.47475	-2.23467	-1.21237	-0.52801	-1.43761	-1.15082	-1.10973
AHCTF1	0	-1.35977	-1.77155	-1.31647	-0.91092	-0.82359	-1.54584	-0.69424
PHF2	0	-1.88848	-2.08806	-1.32722	-1.09072	-1.75056	-1.65713	-2.08583
BTD	0	-2.84926	-1.67074	-1.95694	-1.61071	-1.70559	-2.56181	-1.42459
PRRT3	0	-1.33908	-1.87242	-1.46706	-0.68263	-2.07623	-2.06976	-1.89489
LOC25412	0	-1.71807	-2.03368	-1.31345	-0.85359	-1.60277	-0.77155	-0.70569
AIFM2	0	-1.85087	-3.50065	-1.25499	-0.55592	-1.58398	-0.64016	-0.83245
PEBP4	0	-1.34876	-1.04861	-0.1165	-1.11224	-0.61654	-1.47477	-1.60385
DLL4	0	-2.24247	-1.56377	-0.43291	-2.07141	-1.3551	-1.72641	NA
HEBP1	0	-1.64553	-1.63987	-0.97138	-2.14724	-2.15199	-1.4719	-1.32407
GLUL	0	-2.30796	-2.32074	-1.76325	-1.94898	-1.99405	-0.20075	-1.85325
USP11	0	-0.88035	-1.01535	-0.36772	-1.1901	-0.58911	-1.27743	-0.8409
TTC32	0	-0.91546	-1.76594	-1.66335	-0.9436	-1.86084	-1.43953	-0.54304
ZNF506	0	-1.88192	-0.89934	0.660749	-1.41637	NA	-0.89488	-1.91113
POLI	0	-0.94997	-1.29362	-0.44135	-0.55103	-1.34273	-1.58435	NA
FAM63A	0	-0.99412	-3.09415	-0.89124	-0.71713	-0.91516	-0.88062	-0.56187
HNRNPA3	0	-1.13193	-1.80914	-0.92455	-0.72031	-1.12616	-1.21164	-0.54885
OGG1	0	-1.03694	-0.25358	-0.53467	-0.48416	-0.44054	-0.31909	-0.60193
ZNF248	0	-2.88935	-2.31619	-0.07831	-2.07498	-0.8613	-2.24922	-0.8006
COL9A3	0	-0.18401	-1.04908	-0.6961	-1.02852	-0.63385	-1.07699	-0.99987
ISLR2	0	-0.71934	-1.27731	-1.2939	-1.85183	-2.23613	-1.21063	-1.99148
SH3D19	0	-1.40894	-2.45962	-0.70047	-1.57565	-1.27314	-1.43904	-1.55964
MICAL1	0	-0.32016	-0.52398	0.223607	NA	-0.31463	-1.03526	-1.88321
DENND1A	0	-2.09536	-1.74802	-1.45544	-1.4329	-1.13085	-0.69678	-2.90162
GRID2	0	-0.58213	-0.12531	NA	-1.73758	-0.12631	-0.43709	-1.45541
CD97	0	-2.07651	-1.21393	-1.88818	-0.93588	-1.59995	-1.68797	-2.62423
C1orf88	0	-1.92815	-0.7108	-0.12809	-1.48249	-1.99424	-1.43453	-0.00598
RORA	0	-1.47408	NA	NA	-0.75805	-0.10062	-0.73659	-3.68718
MGLL	0	-1.15703	-1.21658	-0.84272	-0.49356	-1.83579	-0.73158	-1.84531
BBS2	0	-0.8233	-0.38546	-0.15577	-1.41406	-0.66721	-1.40277	-0.37428

FLT1	0	-1.85627	-1.29835	-2.16719	-2.19293	-2.36103	-2.91564	-2.43168
LOC72798	0	-1.08764	-0.00333	-0.09211	-1.26856	-0.62211	-0.91378	-2.52725
SLC12A2	0	-1.13032	-0.87614	-1.2052	-1.55557	-2.07552	-0.99328	-1.42078
C8orf83	0	0.2431	-0.01991	0.440342	-1.63796	-0.04808	-1.44915	-1.83639
ANKFN1	0	-0.90023	-1.07278	-0.1813	-1.67857	-0.55434	-0.50251	-1.99451
BAHCC1	0	-0.92903	-2.52344	-1.11823	-0.83689	-0.52361	-1.05152	-3.19651
MYOCD	0	-2.01415	-0.039	-0.0785	-1.707	-0.3072	-1.97098	-2.1533
C12orf24	0	-1.36477	-0.71994	-1.01645	-0.45698	-1.45862	-1.60307	0.251806
DGKE	0	-1.45621	-0.98467	-1.72536	-0.3238	-2.04554	-0.69335	-0.62112
ZNF542	0	-1.77732	-2.30009	0.367865	-1.04695	-1.34645	-1.4341	-2.04677
KIF25	0	-0.65135	-2.8609	-0.16725	NA	-0.5475	-1.88497	-2.60588
ZMIZ1	0	-1.34944	-2.37237	-1.28011	-0.67741	-1.52989	-1.3835	-2.22282
LOC10013	0	-1.65662	-1.15833	-0.78363	-0.76589	-2.52895	-0.76043	-1.87312
LOC10050	0	-1.16422	-0.02651	0.488044	-2.80099	-1.10942	-1.44873	-1.37736
ZNF613	0	-2.5323	-1.0434	-0.65491	-1.51078	-2.84302	-1.24413	0.174731
PSEN2	0	-1.89957	-2.11002	-1.0457	-1.12127	-2.19433	-1.31486	-2.16158
SENP7	0	-0.53892	-1.54197	0.049974	-0.57111	-0.63831	-1.43766	-1.11031
CHST14	0	-1.32308	-1.91883	-0.72501	-1.79149	-1.52188	-1.62651	-1.54456
ZHX3	0	-0.84	-0.83284	-0.81637	-1.10756	-0.37673	-1.18853	-0.90449
SLCO4A1	0	0.258312	-0.32703	-3.58257	-1.70369	-2.74388	-0.87478	-2.03561
ABLIM3	0	1.248583	-0.78039	-0.94873	-2.65665	-0.95564	-0.93576	-1.3463
CABP1	0	-2.12933	-1.58488	-0.1754	-1.53788	-1.17218	-1.87568	-1.41592
AVPR2	0	-1.41614	0.087715	-0.88166	-2.90385	-1.20536	-0.29053	-1.34928
TRDMT1	0	-1.07422	-0.70985	NA	-1.84917	-0.34593	-2.72403	-0.92024
SEMA6C	0	-1.09525	-1.3454	-0.7666	NA	-1.11057	-1.04124	-1.37368
ERICH1	0	-1.20879	-2.11032	-1.12643	-0.89475	-1.27403	-1.30407	-2.06526
PLEKHO2	0	-2.04757	-1.34988	-1.23686	-1.42663	-1.62085	-1.47136	-2.13801
FAM105A	0	-2.15945	-3.24871	-0.447	-1.46951	-0.66594	-2.63485	-0.986
C1orf21	0	-0.31076	-2.02607	-0.7996	-0.92052	-0.27453	-1.67011	-1.49967
EGFLAM	0	-1.95728	-3.07424	-1.31792	-1.84523	-1.88473	-1.29652	-2.65551
PHKG1	0	-0.04118	-1.1366	0.678761	-1.41183	-0.51592	-1.17504	-1.08325
DZIP1L	0	-1.46472	-0.76359	-0.43778	-1.26879	-0.71971	-2.02775	0.328364
FAM76A	0	-1.3067	-1.09048	-1.32314	-1.0641	-1.38461	-1.74127	-0.64961
PEAK1	0	-1.13528	-2.35997	-0.40864	-1.06934	-1.01572	-1.291	-1.17873
DIDO1	0	-0.88066	-1.01264	-0.5075	-0.45525	-0.29989	-0.81488	-0.97942
GAS7	0	-0.10829	-1.98451	0.290017	-2.78835	-0.63305	-1.99142	-2.41621
ZNF571	0	NA	-1.0335	-0.26342	-1.77864	-2.23905	-2.19244	-3.1506
GALNT9	0	0.088053	NA	-0.67928	-1.61756	-1.10266	-0.9404	-1.93159
TNFRSF10	0	-2.50694	-2.74732	-2.17065	-1.58837	-2.58986	-2.33297	-1.77829
PELI3	0	-1.96978	-1.6176	-1.99828	NA	-0.8082	-1.76395	NA
SYNGR1	0	-0.92199	-1.35228	-0.51283	-0.80467	-2.22264	-0.49064	-2.14797
CADM3	0	-0.47844	-0.49026	NA	-1.16789	-1.7676	-1.49638	NA
LOC14935	0	-2.26921	-1.96465	-0.12998	-2.6444	-1.13262	-0.3732	-1.76912
AMOTL2	0	-1.39561	-2.26998	-1.62177	-1.11525	-2.48355	-1.60626	-1.72084
PREPL	0	-1.97084	-2.35129	-1.62734	-1.80137	-1.54258	-1.50805	-1.73428
CDC42BP1	0	-0.43948	-0.57249	0.178241	-0.94778	0.035611	-0.86001	-0.29477
WNK2	0	-0.96069	-0.60667	-0.49355	-1.96177	-1.85436	-0.68113	-2.37987
PDGFA	0	-1.76924	-2.48721	-1.50937	-1.31855	-2.61433	-1.94545	-2.5078
SCN9A	0	-2.01705	-2.07355	-0.16976	-1.8987	-1.11261	-0.75712	-1.88549
SECISBP2L	0	-1.01336	-0.80753	NA	-2.04828	-2.83305	NA	-2.46299
SCARF1	0	-2.06351	-2.1924	-2.1309	-1.25333	-1.75288	-2.15191	-2.06409
SPHAR	0	-1.20475	-3.25699	-1.69172	-1.35683	-2.17063	-2.00813	-1.8651
LOC10013	0	-1.86566	-2.30896	-0.12116	-1.52539	-0.95229	-2.06227	-1.00124
TSHZ2	0	-1.48836	-0.93021	-1.41549	-0.6431	-0.22128	-0.46406	-0.31242
KLHL25	0	-1.91394	-1.63288	-2.04584	-1.13277	-1.5398	-2.41475	-2.36269
ANKRD42	0	-2.83666	-2.92689	-1.3382	-1.41232	-2.52583	-3.03616	-2.37801
USP9Y	0	-3.04783	-2.35961	-0.56903	-0.54985	-2.53734	-1.71731	-4.70011
UIMC1	0	-1.42219	-1.24024	-0.9692	-1.58328	-0.8672	-1.21717	-2.67143

L3MBTL3	0	-0.514	-1.10103	-0.02935	-1.93766	-1.5348	-1.07457	-0.31501
MTMR8	0	-1.78124	-1.78748	-0.43347	-1.67049	-1.15458	-1.42804	-2.71082
SLC16A8	0	-0.86033	-1.87556	-2.40949	-0.338	-2.68598	-1.70155	0.215369
PCDHGA3	0	-3.15927	0.455417	1.179125	-1.94191	-2.00093	-2.17539	-2.74511
GRM7	0	-1.51661	-0.04314	-0.05628	-2.68542	-0.15011	-0.05772	-1.42416
RPS27	0	-1.62923	-2.30491	-1.25078	-1.46476	-1.80392	-1.4686	-1.94197
SETMAR	0	-1.53019	-1.49245	-0.63401	-1.22949	-1.52014	-1.67044	-1.28269
DZIP3	0	-1.64511	-1.89442	-0.5091	-0.864	-1.12746	-1.61504	-1.24434
MLL	0	-1.27607	-1.75349	-0.8602	-0.85419	-1.03389	-1.00563	-1.31811
CTNND2	0	-1.84638	-1.70269	-0.72409	-2.78107	-2.27113	-1.58453	-1.37463
RPGR	0	-1.01719	-1.72361	-1.16327	-1.59981	-1.85942	-2.3146	-1.91165
FAM174B	0	NA	-2.49567	-1.14615	-1.28272	-2.08556	-2.25899	-2.03042
EHD2	0	-1.19681	-0.57994	-1.07336	-0.902	-1.01685	NA	-1.94467
HACE1	0	-1.06953	-1.80152	-0.65931	-0.76678	-0.8716	-1.92053	-0.71957
NTNG2	0	-1.30911	-2.21771	-0.15621	-0.8566	-0.56092	-1.12597	-1.30073
DHX35	0	-1.37935	-0.90836	-1.0653	-0.73552	-0.39121	-1.15321	NA
OLFML1	0	-1.8693	-2.00654	-0.83392	-1.85535	-1.53917	-1.3052	-1.74524
RRN3	0	-1.51714	-1.50986	-0.91212	-0.94068	-0.60668	-0.93616	-1.27974
SNX19	0	-1.96946	-1.40843	-1.10604	-0.63528	-1.08077	-1.57249	-0.66881
SLC9B2	0	-2.04549	-1.41687	-0.59673	-1.93366	-2.13288	-1.47353	-1.96701
CHKA	0	-1.4207	-1.28935	-0.76973	-0.88861	-0.70934	-0.71535	0.058372
BBS1	0	-1.57945	-0.92067	-0.7761	-1.43716	-0.80733	-1.194	-1.1831
RPL15	0	-0.86338	-1.59632	-1.01798	-1.32264	-1.29323	-1.52374	-1.10763
FGR	0	-2.52485	-2.10028	-1.43422	-0.57098	-0.95678	-1.1752	-1.75649
MBNL1	0	-1.17653	-1.64533	-0.29203	-1.40014	-0.58965	-0.95876	-0.68857
GP1BB	0	-1.13045	-2.1542	-1.06351	-0.77892	-1.15409	-2.31625	-2.50732
STS	0	-3.0332	-2.11767	-2.11747	-1.22791	-1.68088	-1.21095	-1.83979
GABARAP	0	-1.4924	-2.67521	-0.68064	-2.06023	-0.82103	-2.37846	-0.23991
IGSF11	0	-1.34502	-0.02468	-0.06923	-1.81567	-0.03172	-0.11339	-2.55813
SEC62	0	-2.20025	NA	-1.65904	-1.4501	-1.23986	-2.18433	-1.30875
FGD4	0	-0.79709	-1.89817	-1.11541	-2.3951	-1.56891	-1.27685	-0.86859
PDCD4	0	-1.70522	-1.62174	-0.79285	-1.29095	-2.24281	-1.57812	-1.5123
FAM164A	0	-0.97746	-0.96425	NA	-1.12527	-1.02606	-0.76253	-0.29364
EPC1	0	-0.56786	-1.16211	-0.33543	-0.75783	-0.37908	-1.10065	NA
FAM172A	0	-1.61117	-2.50328	-0.42538	-0.95574	-1.13275	-0.99233	-2.15711
STARD13	0	-0.83346	-0.85874	-1.14567	-2.44492	-2.35332	-1.44135	-1.91775
HMBOX1	0	-0.95144	-1.92349	-0.78169	-1.00554	-0.82513	-0.71083	-1.54185
GATA2	0	-1.11287	-1.92231	-0.55784	-1.223	-1.32556	-0.51257	-1.21124
VSX1	0	-1.67111	-2.26906	-0.13065	-0.59146	-0.86827	-0.08637	-1.98406
FBXL2	0	-1.1519	-0.51735	-1.61424	-2.49372	-2.26826	-3.22817	-1.25592
ARMCX6	0	-2.05995	-2.54712	-0.25893	-0.44166	-1.83488	-0.2493	-1.8511
ULK2	0	-0.87258	-2.43348	-1.1355	-1.31686	-0.87332	-2.80987	-1.5563
STXBPA	0	-1.52047	-1.57403	-0.70641	-2.88254	-1.19297	-0.7909	-0.97811
SETDB2	0	-1.00311	-2.60221	-0.99257	-0.39504	-1.55596	-1.49237	-1.29004
ANKRD36	0	-0.9116	-0.87253	NA	-1.30152	-0.61307	-1.08418	0.261223
WWTR1	0	-1.86605	-2.03572	-1.68814	-1.78089	-1.66582	-2.59352	-1.748
GNRH1	0	-0.45321	-1.52541	-0.4227	-0.62515	-0.7153	-0.67348	-0.22576
ZNF287	0	-2.41207	-1.86848	-0.11506	-1.92684	-0.28984	-0.71293	-1.19164
TJP1	0	-1.36176	-2.23036	-2.34137	-1.40763	-2.07974	-2.28635	-2.07689
RAPGEF4	0	-1.76944	-2.69172	-1.58509	-1.52194	-1.27052	-2.14125	-2.87701
TSEN2	0	-1.69477	-1.82012	-2.16768	-0.83165	-1.39573	-2.15764	-1.46136
ANKRD33	0	-2.09931	-0.62655	-0.67038	-0.97599	-2.07013	-1.53305	-1.90243
PLEKHO1	0	-1.89997	-2.36057	0.294496	-1.10769	-0.77139	-1.67388	-1.56362
SEC31B	0	-1.31371	-1.57378	-0.70933	-0.52782	-0.94553	-1.04007	-1.66863
ABCC2	0	-1.2825	-2.54444	-0.09106	-2.2719	-0.71804	0.082818	-0.85206
ADAMTSL	0	-1.78994	-1.14808	-0.13673	-1.80339	-1.46567	-1.76831	-2.29991
MSRA	0	-1.54841	-2.72445	-2.06206	-1.1799	-2.31985	NA	-1.76202
FZD8	0	-0.69869	-0.51909	-1.69384	-0.84616	-1.74947	-2.86076	-2.75264

C22orf39	0	-3.32072	-1.55623	-2.82228	-1.65245	-2.4222	-2.16147	-1.5641
PAM	0	-1.43716	-1.13152	-0.14898	-2.03747	-1.35901	-1.506	-1.5847
PEAR1	0	-0.35458	-0.50819	0.59822	-2.07958	0.399671	0.887275	0.123207
LOC10049	0	-0.68384	-3.46793	-0.26842	-0.35337	-2.22457	-0.85146	-0.33866
ADD3	0	-0.26811	-3.06212	-0.21153	-1.09339	-0.5645	0.339861	0.580994
DKFZP586	0	-1.72616	-0.11468	-1.49231	-2.25896	-1.36436	-2.20934	-4.09905
ARVCF	0	-2.70651	-2.04709	NA	-1.23243	-0.03507	-0.2692	-1.55507
FOXN3	0	-1.40923	-1.55128	-0.38229	-1.74711	-1.11734	-0.70929	-1.63986
ROCK2	0	-0.55979	-1.48432	-1.70646	-0.99592	-1.86678	-1.75639	-0.86566
ZADH2	0	-1.16822	-1.04448	NA	-0.40596	-0.71888	-0.73737	-1.19963
RPL22	0	-2.61326	-2.08305	-2.06863	-1.22503	-1.64715	-1.50852	-2.11676
ZBTB4	0	-0.79096	-1.42569	-0.67323	-1.49751	-1.18528	-1.67816	-1.51264
ASGR1	0	-2.39987	-2.28253	-2.05341	-1.28506	-1.57435	-2.66719	-2.24263
VPS13C	0	-2.27311	-2.56206	-1.15971	-0.96678	-1.54668	-1.95301	-1.68122
RRAS	0	-0.74658	-0.40942	-1.02695	-1.9481	-0.96675	-1.47264	-1.09298
NOVA1	0	-1.05723	-0.98497	-0.80638	-1.33986	-2.48718	-1.74475	-1.37015
COL4A2	0	-1.85104	-2.72092	NA	-1.57637	-2.11249	-2.40984	-1.85636
UBE2B	0	-0.33671	-0.72095	-1.15628	-1.15722	-0.78953	-0.85566	-1.05656
CDHR3	0	-1.20694	-1.23563	-0.06422	-0.23618	-1.40764	-0.03426	-2.6098
SERF2	0	-1.82644	-1.20106	-0.5503	-1.12894	-0.94892	-1.15751	-1.35716
LOC64223	0	-1.3054	-2.51593	-0.48516	-1.55781	-3.30904	-1.41422	-2.92572
C9orf5	0	-1.88967	-1.06885	0.009215	-0.65931	-1.47553	-0.96103	-0.92495
NT5DC3	0	-0.25829	-0.07359	-1.51891	-2.30775	-2.95175	-2.27788	-1.7545
LOXL3	0	-1.83995	-2.16011	-0.37113	-1.80238	-1.21332	-1.24667	-2.23999
PPP1R12C	0	-0.0402	-0.3565	-0.47707	-0.79676	-0.36683	-0.55354	NA
MMP23B	0	-0.72639	-0.4059	-0.09291	-1.36471	-0.36635	-2.00873	-0.78348
LRP2BP	0	-1.18843	-1.07499	-0.83386	-0.95252	-1.5054	-1.57677	0.081034
ART5	0	-0.31297	NA	-0.43138	-2.67934	-0.99197	-0.5715	-2.98801
HOXB3	0	-1.10779	-2.8025	-1.17068	-0.93418	-1.45247	-0.52858	-1.21478
SMARCC2	0	-1.62186	-2.27436	-1.19734	-0.92007	-1.28648	-1.5038	-2.02073
LEFTY1	0	-1.43049	-2.11751	-0.13011	-1.41386	-1.07616	-2.08519	-1.86515
NDNF	0	-3.27165	-2.43866	-0.58828	-1.79381	-2.5322	-1.46181	-4.54294
C7orf63	0	-1.30831	-2.40915	-1.06915	0.107772	-2.31271	-2.4298	-1.1182
TRIM2	0	-0.97616	-1.25166	0.542212	-1.4953	-0.67117	-0.51788	-1.7048
LOC72876	0	-3.00458	-1.60168	-0.86658	-2.16463	-2.42338	-1.43846	-2.42925
POLR3GL	0	-1.75607	-1.66757	-0.47301	-1.51503	-1.0958	-1.4781	-1.59769
DPY19L2P	0	-3.65453	-2.30309	-0.70048	-1.56309	-1.65982	-3.3249	-1.37212
RCOR3	0	-0.66976	-1.67507	0.162732	-0.76028	NA	-0.97015	-0.62381
WDR78	0	-1.92057	-2.5908	0.162296	-1.99765	-1.5593	-2.39513	-1.44021
CYP27A1	0	-2.36521	-1.58372	0.003875	-1.98726	-1.59039	-0.6779	-2.55222
C9orf68	0	-2.11063	-3.27782	-2.0526	-2.09636	-2.37979	-1.26471	-0.00158
HES1	0	-1.15117	-2.57457	-1.31692	-2.41566	-2.44143	-2.24329	-1.89868
C2orf55	0	-0.14494	-2.39139	1.012579	-1.94021	-2.5504	-1.82428	-1.67859
SEC63	0	-1.29342	-1.37484	-1.1075	-0.66562	-0.80627	-1.53682	-0.75416
ZNF781	0	-2.33157	-2.03842	-0.44234	-1.83816	-1.62871	-1.89232	-3.86361
LOC1005C	0	-0.17773	-1.19561	NA	-0.64678	-0.27833	-1.39835	-1.95426
APOL3	0	-3.1882	-1.29575	-1.47607	-0.96775	0.245764	-0.1947	-0.3287
C12orf57	0	-1.64549	-2.76756	-1.15566	-1.87159	-1.63955	-1.31553	-1.26546
DIRAS1	0	0.387337	-1.99564	0.389495	-1.41574	-0.83061	-2.70139	-2.71616
FES	0	-1.7929	-1.53144	-0.98833	-1.31264	-1.09985	-1.51195	-0.75448
COLQ	0	0.158894	-0.60254	0.340085	-1.0701	-0.19	-1.05568	-1.44256
LOC72853	0	-0.49505	-2.57143	-0.84158	0.361867	-0.95724	-1.17813	0.035318
SMAD7	0	-1.24057	-1.62793	-1.47499	NA	-2.39336	-1.99894	-2.88408
TSPYL4	0	-1.77145	-1.29083	-0.33171	-1.73945	-0.62401	-1.36518	-1.00242
C12orf33	0	-2.11705	-1.10628	-0.04313	-1.73696	-0.03331	-0.05293	-2.80213
PRKCE	0	-0.64703	-1.76646	-1.27082	-1.10437	-1.48025	-1.10589	-2.13629
C19orf42	0	-1.17669	-1.38133	-1.32847	-1.12499	-1.88123	-1.23565	-2.7655
COL18A1	0	-1.56231	-3.28747	-0.77635	-1.39511	-0.89816	-1.75068	-2.60834

ZNF132	0	NA	-1.42941	-0.16273	-2.11026	-1.73192	-1.04611	-1.48861
C6orf48	0	-1.14137	-1.0637	-1.09468	-1.03566	-2.14269	-1.40805	-1.46802
NEURL2	0	-1.82711	-1.46893	-1.85859	-1.27189	-1.89751	-1.78986	-1.45007
NPY5R	0	-2.52977	-1.16012	-0.13239	-1.23455	-0.03336	-1.31374	-2.18446
PJA2	0	-1.22836	-0.9531	-0.49036	-2.13058	-1.27203	-1.09386	-1.21445
TWIST1	0	-0.91115	-0.2648	0.766497	-2.02092	-1.85727	-1.21049	-3.04287
COX7B	0	-1.71514	-1.80073	-1.10461	-0.22784	-0.49955	-1.34978	-1.4135
MKX	0	-1.24748	-0.84671	-0.03687	-1.45909	-0.48216	NA	NA
DLEC1	0	-1.95885	-2.88479	-0.38367	-0.58931	-2.30513	-1.26335	-2.17141
TRPV1	0	0.224948	-1.40552	-0.97721	-0.04213	-1.02479	-0.37816	-0.87866
PHLDB1	0	-0.97195	-1.1789	0.471343	-2.28813	-0.00448	-0.63626	-0.5521
PTCH1	0	-0.58331	-2.30144	-0.56321	0.07527	-0.20693	-0.01924	-1.81734
CACNA2D	0	-0.65773	-2.66622	-0.29563	-1.75439	-1.0142	-1.30189	-3.34935
PPP1R3F	0	-1.84051	-0.73226	-1.15159	-1.37269	-1.1044	-2.08663	-2.63623
HIGD1A	0	-2.93918	-2.53931	-3.42087	-1.09901	-3.1018	-4.11769	-3.19166
LOC1005C	0	-1.29555	-1.69582	-0.74477	-0.52531	1.387318	0.789448	-0.97113
SRF	0	-1.53114	-1.76546	-0.94207	-1.70045	-1.37282	-2.02434	-1.81609
CRIM1	0	-1.06279	-1.42184	-3.23107	-1.79997	-3.04069	-1.99222	-1.77973
ENDOD1	0	-1.1071	-1.36474	NA	-1.88231	-1.82214	-2.05008	-2.34954
PRKAB2	0	-0.90098	-1.19861	-0.59421	-1.41201	-1.01355	-1.52822	-1.31486
ANKRD10	0	-1.52242	-1.89302	-0.75034	-0.64946	-1.42561	-1.59316	-1.28226
SLC16A14	0	-4.3746	-4.04572	-2.28269	-0.43789	-0.84187	-1.29835	-3.75398
CMYA5	0	-0.40456	-1.67653	1.943188	-2.2203	-0.72712	-0.3564	-0.28219
LOC10013	0	-1.77899	-2.36318	-0.77322	-0.16861	-1.44259	0.123403	-2.56245
RBM43	0	-1.53772	-1.375	-0.14543	-1.69857	-0.9749	-1.58565	-1.29482
PER2	0	-0.53649	-2.61502	-0.89423	0.423822	-1.50262	-1.58247	-1.53843
MTMR11	0	-1.15925	-1.40307	-1.39915	-1.89643	-0.92832	-2.17522	-0.16265
HNRNPR	0	-0.95884	-1.12218	-1.53178	-1.40224	-2.20636	-1.91632	-1.29482
ANKRD20.	0	-1.20324	0.404283	NA	-0.52816	-0.00285	0.033742	-3.34029
PCDHA1	0	-1.49824	-1.65553	-1.57778	-1.21979	-2.55449	-2.68717	-1.71577
DBN1	0	-0.6712	-0.86562	-0.38809	-2.04301	-2.88009	-1.72255	-1.76997
KPNA5	0	-1.32014	-1.98474	0.058937	-0.87861	-0.13037	-0.50445	0.502273
OLA1	0	-1.09626	-1.77944	-2.48756	-1.24773	-1.82302	-1.9484	-0.09308
ZNF333	0	-1.1656	-2.47098	-0.72688	-1.13514	-1.07262	-0.84314	-1.98899
PRR24	0	-0.79877	-1.6241	-0.94246	-0.68054	-1.35703	-1.29089	-2.06716
NRXN2	0	-1.55104	-2.12808	-1.45248	-0.35963	-1.58065	-1.12952	-2.05667
RALGPS1	0	-1.29086	-2.71673	1.625952	-0.92337	-0.49932	0.904605	-2.26458
SPIN2B	0	-1.3594	-1.2338	-1.19419	-1.27216	-1.02207	-1.4096	-0.87835
SLC44A1	0	-2.10721	-1.5389	-0.91465	-0.97888	-1.37776	-1.70203	-1.23102
ATP2A2	0	-1.79609	-1.68312	-1.60617	-0.68928	-1.8404	-2.19743	-1.01536
CTSO	0	-3.18689	-1.97661	-1.04293	-3.74007	-1.40144	-1.82664	-0.85188
RELL1	0	-2.21089	-2.1331	-2.8605	-1.40872	-2.25244	-2.21189	-2.35221
NUPR1	0	-1.34962	-2.20305	0.575003	-1.05795	-0.81656	-0.61222	-1.87341
HYAL2	0	-1.43612	-0.8776	-1.2862	-1.5585	-1.73935	-2.09922	-0.96947
TMEM64	0	-0.76447	-0.96571	-0.14628	-1.6033	-0.72007	-1.84178	-1.61607
C19orf44	0	-1.78593	-2.03244	-1.4568	-1.21487	-1.86118	-2.15569	-2.48425
ENY2	0	-1.35563	-1.32926	-1.20986	-1.43003	-0.9586	-1.72768	-0.72313
C3orf71	0	-1.8972	-1.17515	-1.80119	-1.54356	-1.19098	-2.34047	-1.21869
GLIS3	0	-1.24079	-3.05444	1.590995	-0.5281	-1.94889	-1.61204	-3.53912
ZNF880	0	-2.6408	-2.34142	-1.04167	-2.55158	-1.81499	-1.84157	-3.0531
TAF3	0	-1.32477	-2.01016	-1.67825	-1.21724	-1.84859	-1.72046	-1.56868
APBB1	0	-0.91874	-1.53481	-1.11946	-1.95235	-1.77103	-1.48051	-2.15205
NELL1	0	-3.16821	-2.6774	-1.30002	-2.98283	-1.8281	-1.94101	-3.41261
RNF14	0	-2.46409	-2.28315	-1.77288	-1.56343	-2.83388	-1.91883	-0.77709
ANK1	0	-2.00884	-2.0843	-2.13082	0.252277	-2.2931	1.314073	-3.21327
ACAA2	0	NA	-2.90479	-0.94104	-1.19552	-2.27581	-1.38875	-1.25511
ZNF251	0	-1.21581	-1.59407	-0.55625	-1.05109	-0.63382	-1.41413	-1.26657
HPD	0	-1.67698	-1.20506	-0.16955	-1.05727	-1.23571	-1.85787	-2.2222

GPX8	0	-1.12328	-2.0368	0.481998	-1.47684	NA	-2.11102	-1.03801
LOC64146	0	-2.69639	-2.13083	-0.18786	-1.53767	-1.48237	-1.69184	-1.03961
COL15A1	0	-1.54199	-2.69036	-1.86488	-2.73344	-2.3472	-1.08505	-2.30076
DOCK4	0	-2.78311	-0.8372	-0.86881	-1.76985	-1.94352	-2.07709	-3.0354
ZNF502	0	-2.79852	-0.01671	-0.08516	-1.43174	-0.95557	-2.478	-1.12321
IP6K3	0	-1.76108	-2.29118	-1.68764	-1.49251	-2.26315	-1.07115	-2.7119
ZNF14	0	-3.10481	-4.89681	-1.20051	-1.2138	-2.00479	-0.8372	-0.24476
ACCS	0	-0.32741	-0.22371	0.390939	-1.68477	-0.30903	-0.60986	-0.24502
ZNF273	0	-2.60352	-2.70132	-0.70206	-1.37088	-0.81309	-1.78825	-2.46871
PPP3CB	0	-1.3604	-1.63629	-1.06743	-1.31355	-1.40133	-1.51292	-1.10888
ZNF345	0	-3.08912	-1.57897	0.557153	-0.96115	-2.13422	-0.86436	0.087039
MOCS1	0	-1.31405	-2.90026	-0.80162	-1.61348	-2.69196	-0.27705	-0.96468
ZNF673	0	-2.15066	-1.8808	-1.79098	-0.50146	-1.93926	-2.04177	-1.18304
UBAP1L	0	-1.31283	-1.00738	-0.26716	-0.52575	-0.46332	NA	-0.94289
PDK3	0	-1.18136	-1.9964	-0.05481	-1.28219	-0.07961	-1.22603	-0.98031
PCBP4	0	-1.18948	-1.31271	-0.945	-2.25012	-1.52867	-2.16493	-1.26305
PRDM5	0	-1.37053	-2.22304	NA	-0.58613	-1.90452	-1.27652	1.167499
CUTC	0	-1.34919	-2.03236	-2.03299	-1.77473	-1.6141	-1.3605	-1.49662
ZNF585A	0	-2.74315	-1.07761	-0.56813	-1.39239	-2.02564	-1.83174	-2.8222
LOC10019	0	-0.06755	-0.69136	0.406513	-1.24502	-1.4256	-1.32823	-0.71588
C19orf68	0	-0.95706	-1.60715	-1.2836	-0.61637	-1.31454	-0.77642	-1.07719
CLDN19	0	-1.29547	-0.3532	-0.12373	-1.50355	-0.75945	-1.48985	-1.82027
APPBP2	0	-1.44085	-1.76596	-0.85293	-1.28798	-1.00525	-1.91352	-0.85722
OBFC1	0	-1.01577	-1.87699	-1.88324	-1.84862	-1.80781	-1.62875	-2.43495
TRAF3IP1	0	-1.8384	-2.7346	-1.97369	-0.8538	-2.47778	-2.21929	-3.06596
ATP11C	0	-2.005	-2.01621	-2.08598	-1.16512	-1.93978	-2.32384	-1.41371
ZNF717	0	-0.63597	-3.20746	-0.40735	-0.89864	-2.33994	-0.57139	-3.94312
WDR60	0	-0.72183	-0.8438	-0.96103	-1.45525	-1.12148	-1.55766	-1.22266
PBXIP1	0	-0.66974	-1.24321	0.185882	-1.47586	-0.11388	-0.4144	-0.87211
TRIM9	0	-2.15035	-0.26433	-0.28814	-1.77823	-0.03187	-0.63061	-2.49958
PIGZ	0	-2.27692	-2.95072	-0.71724	-0.44715	-0.20331	-2.82507	-1.95753
FYN	0	-1.51559	-2.10516	-0.9309	-1.06159	-1.04426	-1.2503	-2.47377
STGC3	0	-2.57455	-2.13178	0.414826	-0.91331	NA	-1.03424	-0.14091
NHLRC3	0	-2.08227	-2.22116	-1.07809	-1.12422	-1.82359	-1.96062	-1.84161
BCL6B	0	-2.10601	-1.49335	-1.24949	-1.15573	-1.73693	-1.44194	-1.11289
CAMLG	0	-1.49859	-1.31772	-1.00151	-1.32202	-1.70194	-1.94676	-1.7083
PTGIR	0	-1.73739	-2.89841	-2.08234	-0.63107	-1.66871	-1.26409	-2.14866
CNTNAP3	0	NA	-0.72554	-3.46915	-0.8909	-4.41537	-2.99306	-0.90692
PITPNM2	0	-1.66629	-1.70988	-2.42654	-1.4116	-2.81031	-3.46434	-2.06914
SNX9	0	-1.24413	-1.64266	-1.39289	-2.12846	-1.21734	-2.12512	-1.97377
PRCP	0	-1.8486	-2.08584	-0.93873	-1.59144	-1.9982	-0.75702	-1.35593
ZNF595	0	-1.49278	-1.53683	-1.41733	-0.9179	-1.56762	-1.57624	-0.48215
PLEKHA4	0	-0.18059	-1.098	-0.72574	-1.08495	-0.5348	-0.10363	-0.35925
DTWD1	0	-2.17674	-1.49721	-1.1044	-1.71868	-1.56236	-1.87685	-1.55336
KLHDC8A	0	-3.13562	-2.81216	-1.41042	-1.47701	-2.55549	-2.51458	-2.10016
RANBP3L	0	-1.09054	-1.0715	-0.16288	-1.86191	-0.16117	-0.16055	-2.92122
LOC28424	0	-2.2703	-1.67424	-0.11314	-1.21748	-0.11459	-0.78005	-3.04861
ARRDC2	0	-0.96241	-1.42254	-1.18343	-1.20782	-1.19655	-1.09693	-1.85835
PALLD	0	-1.39892	-1.67882	0.193746	-2.35633	-0.95235	-1.99317	-0.88523
PNRC1	0	-1.78381	-2.53347	-1.49642	-1.91048	-1.68035	-2.70791	-2.61031
ZFP36	0	-2.67136	-3.20968	-2.80174	-1.72305	-1.92253	-2.01338	-4.40478
PDE4A	0	0.47241	-3.07462	-1.05154	-1.16551	-1.90432	-0.44402	-2.92601
B3GNT1	0	-1.80103	-1.29602	-1.27732	-1.61094	-0.96957	-1.10115	-1.46854
FLNA	0	0.229274	-0.03321	-1.00491	-2.27647	-0.61032	-1.36014	-1.70454
EID1	0	-1.9672	-1.38985	-0.00605	-2.27849	-1.03669	-1.32133	-1.38467
KDR	0	-2.00124	-2.01811	-0.91431	-2.58254	-1.81083	-1.13489	-1.95626
RERE	0	-1.62246	-1.05549	-1.24906	-1.4094	-1.30096	-1.20759	-1.47186
CDK20	0	-1.25428	-2.46443	-0.34293	0.158938	-0.98941	-0.28799	-0.58022

PCDHB9	0	-2.75744	-1.40197	1.361649	-0.83299	-0.14009	-3.08258	-2.89468
ZFAND5	0	-1.16111	-1.72095	-0.89744	-1.29485	-1.15341	-1.11278	-1.91869
SOCS5	0	-1.22074	-1.6643	-1.64687	-1.74554	-1.8775	-1.66388	-1.49338
C11orf67	0	-1.66615	-1.81649	-0.66143	-1.90747	-2.04703	-1.42256	-0.63746
MON2	0	-1.20462	-2.13	-0.39542	-0.50586	-1.48957	-1.09488	-0.93651
WBP4	0	-1.22983	-2.10308	-1.19528	-1.85014	-1.60819	-2.28907	-1.24171
EPB41L1	0	-1.74526	-4.56165	-0.37041	-0.15368	-0.09263	1.120892	-1.69513
CREB3L2	0	-1.83047	-1.43002	-2.0964	-1.84332	-1.73	-1.65679	-2.98587
TMEM121	0	-0.92901	-3.19522	-0.5368	-1.22262	-1.8753	-2.28364	-2.72105
MEGF6	0	-0.28767	-1.73529	0.670318	-1.13344	-0.38178	-1.27418	-2.08567
BACE1	0	-1.57306	-1.93526	0.634929	-0.99379	-1.60323	-1.45876	-1.32149
PIK3C3	0	-0.92609	-1.83189	-0.47853	-0.34159	-0.58386	-1.35524	-1.44058
TMEM150	0	-3.08415	-1.69341	-1.28562	-1.38311	-0.35214	-2.26637	-1.74312
SNCAIP	0	-3.03338	-2.61138	1.090497	-2.52211	-3.8294	-1.7563	0.328778
CSF1	0	-3.65887	-2.01325	-1.49206	-1.93852	-2.53383	-2.32166	-2.12474
KATNAL1	0	-0.39776	-1.05555	-1.27086	-1.69971	-1.70917	-2.70234	-0.73424
SAMD13	0	-1.24562	-1.27916	0.502184	-1.6734	-1.60427	-2.04632	0.128167
SYNPO	0	-2.41806	-1.77183	-0.79728	-0.58831	-0.61502	-2.23045	-0.01932
CLYBL	0	-2.87994	-2.17282	-1.80332	-1.78651	-1.12665	-1.47883	-1.13173
ARPC4-TT	0	-0.22704	-1.26798	0.08555	-0.92836	-0.3885	-0.79407	-1.3384
ADAMTS1	0	0.010176	-0.97024	0.025883	-2.49429	-2.11944	-2.76326	-2.48537
REV3L	0	-1.55491	-1.88044	-1.21157	-1.18247	-0.629	-1.51015	-0.80049
ITGA1	0	-0.5333	-1.82354	-0.21941	-1.54009	-1.40825	-1.86611	-0.87749
GNG2	0	-3.49036	-2.76678	-0.8181	-1.76707	-2.96864	-2.19135	-3.27391
MMP19	0	-1.47042	-1.6997	0.032426	-1.6795	-1.28291	-2.52267	-2.42023
LOC1005C	0	-3.07483	-2.25389	-2.06317	-1.72915	-3.81953	NA	-0.88876
LZTS2	0	-0.74899	-1.64825	-0.97074	-1.298	-1.83329	-1.67105	-0.97068
OLFML2B	0	-1.38437	-2.16129	0.711398	-1.7473	-1.39638	-1.64959	-2.26689
KIAA1737	0	-2.04173	-2.17244	-0.95272	-0.8687	-1.18192	-1.82415	-1.70511
ASMTL	0	-1.08104	-2.0138	-1.2554	-1.5844	-1.98323	-1.72294	-1.91861
KCTD19	0	-3.02436	-2.12437	-1.19337	-0.44558	-0.1455	-1.67205	-2.29517
ROCK1	0	-1.35844	-1.49022	-1.29957	-1.4536	-1.46887	-2.08421	-1.16022
HOXA2	0	-1.71877	-1.27098	-1.41284	NA	-1.2952	-1.22875	-0.30063
C17orf67	0	-0.8288	-3.0282	-1.50233	-0.78151	-0.36223	-0.13239	-1.78916
PCDHB18	0	-3.20345	-2.7317	-1.15543	-1.74529	-1.75695	-1.83715	-2.02383
QKI	0	-1.24961	-1.67874	-1.2357	-1.88283	-1.17842	-2.01022	-2.8532
ISYNA1	0	0.313457	-0.98021	-0.8162	-1.79729	-1.90962	-0.08271	-0.18963
F2RL3	0	-2.5603	-2.12396	-0.0539	-1.99926	-1.6513	-2.06368	-2.51285
LOC15857	0	-1.60587	-2.73153	-1.71189	-0.94513	-1.9422	-1.91634	-1.09376
LOC20218	0	-0.56982	-1.16834	-0.55795	-0.79425	-0.23496	-0.24089	-0.56819
KIAA1908	0	-1.18498	-1.74199	-0.5954	-1.23764	-0.67617	-0.59925	-1.9025
ELAVL1	0	-2.79953	-1.58179	-0.61327	-0.51393	-0.6386	-1.65432	-1.85963
TMEM98	0	-1.54941	-3.88403	0.144524	-1.30519	-1.24592	-0.96058	-0.49943
CASC3	0	-1.80483	-2.49009	-1.42482	-1.38852	-1.52645	-2.06105	-1.84553
CACNG6	0	-3.07959	-2.87047	-0.53542	-0.10905	-0.76341	-0.31325	-2.1733
LOC64797	0	-2.1608	-2.55912	-0.47981	-1.22188	-0.80332	-1.40336	-1.65997
SIK2	0	-1.32012	-1.14389	-2.10481	-1.52925	-1.85146	-2.08549	-1.15262
CDKN1B	0	-1.14606	-2.55256	-1.43016	-1.64551	-1.24653	-0.82272	-0.94148
ISL2	0	-1.81413	-0.01126	-0.18023	-1.62546	-1.39258	-1.27519	-1.20174
ZNF678	0	-0.53688	-1.26474	-0.63175	-0.95934	-1.40054	-1.21821	-0.9849
USP35	0	-1.67956	-1.5604	-1.69683	-1.37873	-2.33871	-2.28946	-1.76688
VPS37A	0	-2.03807	-2.86503	-1.92352	-2.38473	-3.03864	-2.25163	-2.10911
CABIN1	0	-1.11578	-1.16682	-1.14834	-1.04875	-0.79268	-1.24783	-1.64957
PPIL6	0	-1.26094	-2.80542	-0.12647	-1.63674	-1.64936	-1.67145	-3.58311
ROBO3	0	-0.5674	0.310322	-1.50274	-1.32402	-2.18603	NA	-0.83066
ARMC4	0	-2.05745	-1.71639	-0.14315	-2.03886	-0.03398	-0.1572	-2.45129
PSIP1	0	-1.7858	-2.37618	-1.76569	-0.25671	-2.12984	-1.75322	-0.56184
ARHGEF6	0	-2.42846	-3.31088	-0.81648	-1.66771	-1.47488	-1.19577	-1.78872

FAM13B	0	-1.86856	-1.49301	-0.73286	-1.43256	-1.01216	-1.24185	-0.45509
SCUBE3	0	-2.93695	-2.49978	-0.09278	-0.86511	-1.57395	-2.38525	-2.27476
LTC4S	0	-1.34556	-2.31059	-0.49063	-1.4059	-1.14386	-0.91562	-2.41924
WFS1	0	-1.47108	-1.17147	-0.95051	-1.55524	-1.53367	-1.25482	-1.93601
REM1	0	-1.43382	-0.02693	-0.09245	-1.86157	-1.90232	-1.21191	-2.56618
CYP4V2	0	-1.98069	-1.58244	0.11219	-1.08179	-0.54323	-0.95928	-2.69188
ING3	0	-2.15424	-1.91489	-1.15232	-0.83172	-1.91904	NA	-1.23398
NFATC2	0	-1.84492	-2.99001	-0.48722	-0.15752	-0.76417	-0.99938	-2.62113
TAF9B	0	-1.49302	-3.02719	-1.57133	-0.56587	-1.25752	-1.21198	-0.93914
LOC15756	0	-0.7319	-0.8989	-0.07002	-0.50247	-1.28786	-0.09061	-2.10074
CCDC104	0	-1.40909	-1.98694	-1.26386	-1.45582	-2.20314	-2.10824	-2.34234
SPATA13	0	-1.83308	-3.22399	-1.22349	-1.34677	-1.2022	-0.91676	-3.14458
IRAK1BP1	0	-4.5094	-2.53022	-0.81956	-1.25727	-1.81349	-1.92963	-1.83903
FBXL3	0	-1.33408	NA	-1.25806	-1.42792	-1.77493	-1.52636	-0.38246
THBS3	0	-0.29516	-1.05948	0.106736	-1.54603	-0.20631	-1.42949	-0.94756
TMEM220	0	-2.22362	-1.97821	-1.22541	-1.27279	-2.90499	-1.55738	-1.13756
EPAS1	0	-1.43815	-2.10168	-1.94263	-1.80259	-2.67801	-1.39188	-1.10011
AFAP1	0	-1.97693	-1.24086	-0.89554	-1.0058	-2.13497	-2.16541	-1.55996
LOC33952	0	-4.47589	-4.29295	-1.89359	-1.84164	-1.20809	-1.00157	-2.42286
STOM	0	-1.17215	-1.45736	-1.47786	-0.76459	-2.31794	-1.96646	-2.75645
HPSE2	0	-2.51104	-1.72476	-0.0692	-2.12864	-1.50636	-0.72839	-2.75177
ZMYND11	0	-1.20806	-1.73133	-1.40155	-1.39551	-0.96932	-2.02168	-1.17424
MYLIP	0	-0.94041	-2.3907	-0.43475	-0.83771	-1.27444	-0.36218	-1.49628
FAM168A	0	-1.62173	-1.52964	-1.01872	-1.80097	-1.7948	-2.39639	-1.61846
NPR1	0	-1.03955	-1.44938	-0.87875	-1.12031	-0.45596	-0.45324	-0.81146
RTDR1	0	-0.4752	-2.79738	-1.0451	-0.1476	-2.61781	-1.4465	-3.11092
PNMA3	0	-1.33715	-1.50478	-0.28151	-0.81833	-0.86578	-0.95873	-1.58288
CCDC107	0	-0.99299	0.580316	-1.15211	-1.86575	-1.44591	-1.49438	-1.31316
EBF2	0	-0.93859	-0.70932	-0.15066	-1.89834	-0.3332	-1.42638	-1.88236
ARRB1	0	-1.67693	-2.88935	-1.85206	-1.44778	-1.80329	-1.38401	-2.38865
LOC10027	0	-2.73709	-2.66286	-1.2743	-0.41612	-1.99199	-1.91144	-2.00989
USP34	0	-1.11389	-1.86099	0.386511	-0.80095	-0.37778	-0.49133	-0.20218
YPEL1	0	-1.50289	-2.60973	-0.76867	-0.55402	NA	-0.75592	-1.53932
MCTP1	0	-4.22322	-4.68428	-1.58203	-1.35103	-2.56232	-3.20429	-1.08611
ZDHHC2	0	-2.4627	NA	-1.28775	-2.94853	-1.97577	-0.93961	-1.22202
LAMC3	0	-1.24787	-3.34985	-3.64177	-0.48799	-4.09157	-1.94335	-3.62093
CRIP1	0	-1.4954	-1.74642	-1.89423	-1.50406	-2.85825	-2.41741	-2.28898
WBSCR17	0	-0.63436	-0.87355	-2.12751	-1.34478	-1.83113	-2.34444	-2.35011
EPHB1	0	-2.61107	-2.27104	0.791996	-2.41898	-1.21136	-2.07721	-2.88458
NUAK1	0	-1.64532	-0.81155	-0.85005	-1.93167	-0.33767	-1.57223	-1.88742
KCTD12	0	-0.78747	-1.20043	-1.16184	-2.29837	-2.25989	-1.76703	-0.94926
BCKDHB	0	-1.79377	-1.99418	-0.99424	-2.05784	-1.45686	-1.10422	NA
ELMO1	0	-3.09739	-4.63376	-0.84177	-1.34574	-1.24636	-1.81804	-3.51774
DEPTOR	0	-3.16101	-3.9967	-1.94061	-1.55984	-0.10806	-3.34608	-3.43567
C19orf80	0	-1.77763	-0.19014	NA	-2.12734	-1.43616	-1.33997	-2.34489
HHIPL1	0	-1.60533	-1.81391	-0.19684	-1.62921	-1.88698	-2.04409	-1.76298
LOC10013	0	-2.29903	-0.07039	0.37323	-1.35183	-2.04734	-0.63489	-0.13619
ZCCHC24	0	-1.32318	-2.03205	-0.31419	-1.74732	NA	-1.33569	-1.75394
ZNF608	0	-2.50288	-3.68491	-1.84677	-1.57794	-1.9171	-0.69964	-2.00625
LUC7L3	0	-1.11611	-1.48431	-0.79339	-0.5366	-0.94262	-1.70917	-0.67163
JUN	0	-0.66932	-1.32783	-1.41954	-2.4993	-1.03075	-2.31074	-2.52166
GGT7	0	-0.11609	-3.64938	-0.62317	0.026051	-0.98472	-0.26822	0.435787
DPY19L1P	0	-1.52459	-3.46107	-0.02583	-0.9797	-0.68538	-1.35234	-0.61253
FAM118A	0	-1.62711	-1.89684	-1.4856	-1.63288	-1.67742	-1.84877	-0.86994
TMEM140	0	-2.57475	-1.82815	-1.12447	-1.48441	-1.34858	-1.42773	-1.76852
LOC10028	0	-0.29963	-1.03808	1.561173	0.067265	NA	-0.07371	0.553964
ZNF167	0	-3.01532	-1.83634	-0.58243	-1.92479	-1.68051	-2.97386	-2.25458
NRN1L	0	-1.73446	-1.21941	-1.17314	-0.91508	-1.1883	-1.672	-1.989

ARHGAP1	0	-1.58998	-1.3104	-1.40129	-2.00541	-0.8375	-1.1054	-0.92808
DLK1	0	0.183911	-0.45334	NA	-1.52384	-0.03756	-0.9929	-0.68422
DENND5E	0	-1.89058	-3.63702	-1.88314	-1.00611	-3.39092	-1.50726	0.554589
C1R	0	-2.33002	-3.28307	-1.28818	-1.70309	-0.41028	-1.35586	-1.92379
DPY19L2	0	-2.7849	-2.52363	-0.04191	-1.46384	-1.4016	-1.36245	-2.20266
PCDHB12	0	-3.73308	-2.51847	0.566296	-1.49579	-2.50369	-3.29991	-2.81797
LOC65306	0	-1.53087	-2.04867	0.31349	-0.69698	-1.29603	-0.98918	-2.05912
HOTTIP	0	-2.68947	-2.50286	-0.11582	-1.5781	-0.9468	-0.9091	1.614416
ZNF876P	0	-3.01175	-2.54114	-1.4313	-1.48757	-1.02788	-3.27981	-3.06269
ALX3	0	-1.51768	-1.93984	-1.55858	-1.60579	-3.0219	-1.62845	-1.87016
ANTXR1	0	-1.57983	-2.94515	0.127174	-1.32843	-1.37639	-1.44662	-2.72776
RCSD1	0	-2.10053	-3.16969	-0.93315	-0.84479	-0.88697	-0.67509	-2.28733
PLEKHA7	0	-2.54251	-2.14757	-1.75753	-0.77386	-1.95156	-1.74487	-2.58921
HMGCLL1	0	-1.87617	-1.56529	-0.32661	-2.91413	-1.40607	-1.75701	-1.98773
SPTBN1	0	-1.54889	-1.77079	-1.8959	-2.09938	-2.07431	-1.57626	-1.07117
NYNRIN	0	-1.05902	-1.42661	-0.09839	-0.59497	-1.73834	-0.02181	-0.70705
PHYHD1	0	0.172404	-2.11441	NA	-0.29235	-2.37086	-1.84285	1.504598
CASC4	0	-1.38681	-2.03749	-0.56473	-1.65063	-1.05763	-1.20951	-1.52882
RNF115	0	NA	-2.27608	NA	-0.96365	-1.43216	-1.70968	-1.31382
GPSM1	0	-0.39161	-2.34141	-0.35093	-1.22094	-1.93766	-2.44283	-3.81542
GCFC1-AS	0	-2.98975	-2.35155	-0.17163	-1.52065	-1.35707	-2.02022	-3.00347
LZTFL1	0	-1.91158	-1.68276	-1.13077	-1.53153	-1.80138	-2.82366	-0.64778
CLCN6	0	-2.00985	-1.58704	-1.54169	-0.96239	-1.22676	-1.67424	-2.00171
PCOLCE	0	-0.00618	-1.45598	NA	-2.08216	-0.69448	-1.35058	-2.37999
TCF7L2	0	-1.4645	-2.53197	NA	-1.31213	NA	-0.09156	0.106981
LOC1005C	0	-4.08429	-2.71177	-3.56365	0.050684	-1.8606	-2.14684	-4.23756
FBXO17	0	-0.40509	-0.35896	-1.6503	-1.12342	-2.51591	-1.53862	-1.03429
CMTM8	0	-3.07885	-3.11104	-0.76639	-0.7929	-2.61957	-1.62183	-1.66252
ZDHHC17	0	-1.53224	-2.04349	-0.58707	-1.09038	-1.16325	-1.193	-0.6807
MASP1	0	-3.27952	-3.43196	-1.73621	-0.60622	-2.69316	-1.40186	-4.23033
SMTN	0	-0.69615	-0.13202	-1.40266	-2.48621	-1.57669	-2.41737	-1.94424
JUND	0	-1.37826	-1.9884	-1.81894	-1.93198	-2.43789	-2.50742	-3.58889
LOC1005C	0	-3.74435	-3.3108	-1.63537	-2.09948	-2.31469	-1.72103	-4.45933
ARL6IP5	0	-1.84714	-1.25072	-0.59477	-2.22114	-1.32656	-1.61274	-1.32058
REEP5	0	-1.56374	-1.48817	-0.78098	-1.54811	-0.89215	-1.90571	-0.32673
TLE6	0	-1.58812	-1.27665	-1.23953	-1.70858	-0.81493	-1.4489	-1.89945
EGFL8	0	-0.85343	-1.49106	-1.36298	-0.5423	-1.25595	-1.04088	-0.77329
ARL3	0	-0.94498	-1.64972	-1.20098	-1.06377	-1.1019	-1.09507	-0.78719
DACT1	0	-1.82343	-2.08223	-1.13512	-1.32079	-2.19461	-3.70531	-2.58095
LOC38824	0	NA	-3.01641	-0.22364	-2.14154	-2.1628	-1.69064	-1.66868
MAP3K12	0	-0.36163	-1.60987	-0.45286	-1.0591	-0.82716	-1.1719	-1.41222
FLJ43663	0	-1.52804	-2.23611	NA	-0.94673	-0.40858	-0.26446	-1.07151
BCLAF1	0	-3.39873	-0.85351	-0.89478	-0.20947	-1.23974	-1.75894	-0.85165
NCALD	0	-1.72086	-3.37373	-0.18384	-2.05144	NA	-2.36006	-2.32663
CALCOCC	0	-1.91066	-1.91154	-2.21454	-1.69686	-1.69859	-1.8815	-1.83619
KIAA1107	0	-2.45887	-2.86904	-1.03254	-2.51802	-2.09868	-2.36027	-0.50649
CXXC5	0	-1.00528	-2.79629	-0.00191	-1.668	-1.13682	-1.56689	-1.81145
FKBP5	0	-1.73539	-1.1732	-1.74221	-2.39134	-1.15759	-2.22046	-0.37695
FAM160B	0	-1.27737	-2.18484	-0.74514	-1.41901	-1.12254	-1.52736	-1.36784
LOC10012	0	-0.91473	-1.11668	-0.99278	-2.69268	-2.06986	-1.97689	-3.1927
MKL2	0	-1.43669	-2.2644	-1.6552	-1.2944	-1.70885	-1.64014	-1.30478
RASSF8	0	-1.34347	-1.51318	-0.76491	-2.28363	NA	-2.26034	-1.16148
GNAQ	0	-2.10256	-2.03762	-2.10076	-3.52855	-2.83489	-1.82204	-1.70038
MIA3	0	-2.4697	-1.79229	-0.63209	-1.45601	-1.35786	-1.32427	NA
RAPGEF5	0	-1.0497	-1.81185	-0.72937	-2.28136	-2.18997	-1.6242	-2.81509
LBH	0	-2.15532	-1.43615	-0.23074	-1.43235	-0.90623	-1.56932	-3.20452
PCDH8	0	-1.18875	-3.1532	-1.68528	-1.51328	-2.16209	-2.95046	-4.38053
BST1	0	-2.18952	-1.98021	-1.05571	-2.25817	-1.94085	-1.892	-1.56185

LOC10012	0	-2.57919	-1.72812	-0.60394	-1.98378	-2.48982	-2.84885	-2.58466
CAMKK1	0	0.580415	-1.65343	-0.81893	-0.21524	-1.43826	-1.57597	-0.32256
SRPK3	0	-1.2598	-2.13489	-3.19938	-0.79548	-1.88043	-2.27989	-1.30177
OSCP1	0	-1.86815	-0.78263	-1.00404	-1.45282	-1.24782	-1.78934	-1.63878
GPRC5C	0	-2.108	-1.59265	-1.21584	-2.57856	NA	-2.3937	-4.10361
CALM1	0	-2.01544	-2.31917	NA	-1.37741	-1.11446	-2.12849	-2.66668
C4orf32	0	-1.8008	-2.02934	-2.08086	-2.67703	-2.09728	-2.148	-1.5119
KCNK5	0	-1.5427	-3.58495	-1.63841	-1.48609	-0.43883	0.802922	-1.90051
HIF3A	0	-0.92059	-1.04839	-2.12878	-1.15414	-1.60159	-1.24501	-1.36699
ZNF879	0	-2.33878	-2.8352	-1.20739	-0.22374	-0.97606	-0.56337	-3.99116
ZNF606	0	-2.45063	-3.10355	0.383049	-0.46242	-1.21812	-0.85677	-3.53614
SAP30	0	-1.83971	-0.74681	-2.21875	-1.98983	-1.79842	-2.37782	-0.36431
FAM129A	0	-0.99047	-3.69621	-0.98453	-1.01054	-1.37624	-1.04636	-1.6737
ZEB1	0	-0.84311	-2.44982	0.26478	-1.87599	-1.4151	-1.52228	-1.42432
MANSC1	0	-2.17651	-2.68448	-1.64142	-1.58244	-1.73388	-0.93096	-1.20129
OXCT2	0	-1.6582	-2.63394	-2.62957	-1.1752	-2.75988	-2.19038	-0.50592
MBD2	0	-1.75562	-2.3355	-1.5617	-0.70242	-1.87698	-2.39683	-2.67795
GK5	0	-2.0061	-1.63525	-1.08038	-1.01695	-0.55005	-1.0945	-0.48026
RSPH9	0	-1.73929	-1.76625	-1.22748	-1.6308	-2.21539	-0.83287	-2.00084
C21orf2	0	-0.47372	-1.40755	-0.33478	-0.84728	-0.4067	-0.33109	-0.46067
CACNB1	0	-0.19705	-1.84823	-1.67557	-0.76573	-1.35542	-1.54924	-1.35645
LGI1	0	-1.17578	-0.39968	-0.28012	-2.94812	-0.03148	-0.69272	-2.65129
SAP30L	0	-1.3999	-2.09196	-1.23046	-1.2975	-1.35552	-1.37047	-2.09475
PDE3A	0	-2.62667	-1.89299	-0.10901	-1.22697	-1.49155	-2.60451	-4.32341
ZNF583	0	-2.78925	-2.64134	-0.07919	-2.24838	-1.69589	-2.10917	-3.69094
ZCCHC18	0	-2.00729	-3.15215	-1.08679	-1.54555	-1.82368	-2.2318	-2.2155
FARP1	0	-0.82498	-2.32651	0.686005	-1.1616	-0.94433	-1.25002	-2.42245
C2orf88	0	-2.49128	-1.35223	-1.02027	-1.50649	-1.66205	0.048962	-0.61748
CLK1	0	-1.40921	-2.65824	-1.27975	-1.4009	-1.77449	-1.55306	-2.10849
FBRSL1	0	-1.2119	-2.94188	-1.45855	-0.34617	-1.30943	-1.55083	-2.53321
PTPRB	0	-2.66214	-2.08534	-0.15431	-0.09628	-0.81135	-1.54033	-2.40902
BMPR1A	0	NA	NA	NA	-1.78183	-1.86161	-2.03957	-1.21726
FGF9	0	-1.33867	-2.91011	-0.92655	-2.12767	-2.41859	-1.12501	-3.27639
TCF4	0	-1.35745	-2.78414	0.279952	-1.57509	-0.21331	-0.40311	-1.81656
ITPK1	0	-1.73638	-1.61441	-1.78029	-2.02652	-2.15376	-2.90115	-1.14703
CADPS2	0	-2.27157	-3.86825	-1.54908	-1.78033	-2.94252	-0.89937	0.166639
WDR33	0	-0.9388	-2.31865	-1.49384	-1.2841	-2.14804	-1.71206	-1.42012
NRTN	0	-1.08909	-2.41498	-2.85984	-1.20587	NA	-2.25651	-3.26518
LOC10012	0	-2.52266	-1.77033	-0.3201	-2.34626	-1.81246	-1.39036	-1.8344
AKAP7	0	-1.41127	-2.07988	-1.1214	-1.56018	-2.51143	-0.90484	-0.78621
SPNS2	0	-1.24414	-2.92919	-3.4225	-0.46196	-3.4447	-1.9112	-4.37001
ZNF862	0	-1.39538	-3.36307	-0.82482	-0.54597	-1.80979	-1.50741	-2.94452
SDC2	0	-1.94764	-2.03452	-0.01566	-2.24594	-2.87748	-2.97737	-3.83757
PGPEP1	0	-1.06387	-2.00144	-0.09725	-0.975	-0.69704	0.051399	-1.04889
TRAK2	0	-1.82942	-2.36024	-0.3518	-2.34495	-1.21557	-1.76993	-0.73146
HEATR8	0	-0.60806	-2.14648	0.521318	0.50259	-1.31774	-0.28349	NA
BRP44L	0	-2.95471	-2.32868	-1.7889	-1.39166	-1.40965	-1.11064	-1.84608
SERPING1	0	-1.00442	-2.12023	-1.23785	-1.84822	-0.41072	-1.11396	-1.24173
ZNF34	0	-0.76479	-1.15976	-0.91168	-1.46964	-1.457	-2.19799	-0.98068
DMPK	0	-0.37877	-1.55318	-1.33452	-0.89869	-1.10793	-1.30135	-1.96673
LRCH3	0	-1.20137	-1.74514	-1.44741	-2.6717	-1.50444	-1.83875	-0.82286
IGSF1	0	-0.64624	-1.14648	-0.83596	-2.68857	-0.81457	-1.22369	-1.58627
PPP3CA	0	-2.09228	-1.38074	-1.2602	-1.61404	-2.28129	-2.14646	-1.84125
USP36	0	-1.3932	-1.92931	-1.38235	-0.57612	-2.15192	-1.01948	-3.24976
FCGRT	0	-1.90844	-2.11968	-0.06096	-1.68237	-1.29294	NA	-0.99821
GSTM1	0	-1.21976	-4.95606	-2.25423	-1.26543	-2.23719	-0.15683	-0.82934
BVES	0	-1.66501	-2.53279	-1.19603	-0.87797	-2.09133	-1.89016	-0.1894
ZIM2	0	-1.96146	-1.71923	NA	-2.60877	-1.84102	-2.2787	-1.68595

LOC1005C	0	-2.56054	-2.20023	-0.17748	-1.87998	-1.7603	-1.51354	-3.60626
CLK4	0	-1.70719	-2.22666	-0.93636	-0.77097	-1.03287	-0.91924	-2.20716
RRAGD	0	-3.26123	-3.00811	-1.65758	-0.72596	-3.33985	-2.1162	-2.63676
ARHGAP2	0	-1.82526	-2.36316	-1.81022	-1.09427	-1.1783	-1.2648	-1.3664
HIP1	0	-2.59538	-1.97781	-2.27622	-1.17658	NA	-2.06568	-2.59384
AMFR	0	-1.11923	-3.49996	-0.5948	-1.6383	-0.85912	-2.25012	-1.74563
ACTB	0	-1.17639	-1.47074	-1.23912	-2.57458	-1.56202	-2.06778	-2.09925
ZNF667	0	-1.82447	-1.46792	-0.39439	-2.45797	-1.84032	-2.95435	-3.80181
SCN4A	0	-2.81467	-1.70316	-0.29868	-1.56439	-1.87566	-1.27955	-1.56758
LOC15482	0	-2.31678	-2.09479	-0.91181	-1.15008	-1.93684	-1.61252	-3.63093
XYLT1	0	-2.15923	-0.48905	-0.86127	-2.59875	-0.73607	-1.46265	-2.19456
C1orf198	0	-1.85519	-3.01867	-1.89059	-1.6759	-1.69458	-2.62977	-2.81349
PPM1A	0	-1.4175	-2.48659	-0.72975	-1.60256	-1.02613	-1.60454	-1.58699
LINC00081	0	-2.55995	-2.94235	-1.62097	-1.77412	-1.09317	-0.47324	-0.03255
DHRS3	0	-1.20042	-1.35414	0.434066	-1.91475	-0.35314	-0.58168	0.01085
LRCH1	0	-1.24866	-2.13808	-1.43104	-1.92923	-1.80688	-1.87454	-1.72035
FAM204A	0	-1.10317	NA	-2.3826	-1.57008	-2.32839	-2.48426	-1.51231
FAM198B	0	-1.21873	-2.40713	1.211306	-2.47132	-1.63593	-1.48889	NA
EML1	0	-1.77461	-3.61881	-0.54487	-2.54996	-1.75248	-2.91068	-4.3307
FBXL14	0	-1.75721	-2.11917	-2.80778	-1.47527	-2.20737	-2.29658	-2.02436
LOC10028	0	-2.24388	-2.21488	-2.76827	-1.00838	-3.46345	-1.96833	-1.3938
IL1R1	0	-2.85942	-2.96211	-1.77654	-1.19374	-2.37974	-2.24228	-3.01844
PXK	0	-1.99126	-2.47868	-1.20268	-2.00288	-2.05013	-1.89871	-2.37037
FLJ10038	0	-2.28307	-2.23966	NA	-1.67712	-0.1973	-1.77106	-1.37357
NAAA	0	-3.08692	-2.79657	-1.69632	-0.37968	-1.42319	-1.01554	-1.14308
ADCK3	0	-1.54865	-2.39121	-1.2067	-1.15555	-0.90169	-1.08502	-0.62087
GMPR	0	-3.28405	-1.99109	-1.48832	-0.72854	-2.87809	-1.77248	-2.03359
RNF130	0	-1.77228	-1.69862	-0.7847	-1.5682	-1.48524	-1.19078	-1.83372
GYPC	0	-1.54823	-2.08243	0.060933	-2.10458	-1.51655	-1.15339	-2.52318
NSUN7	0	-2.18767	-3.96761	-1.7383	0.343152	-2.63504	-0.22774	1.085024
SLC25A27	0	-0.76556	-2.62321	NA	-1.41937	-0.14091	NA	-0.48331
CACNA1C	0	-0.71368	-1.74103	NA	-2.0099	-1.5877	-1.40178	-2.63982
SLC3A1	0	-3.15583	-2.71203	-0.09566	-1.98853	NA	-2.43388	-2.08809
C1orf114	0	-3.48485	-2.80845	-1.12617	-0.94964	-2.37562	-2.92693	-2.78088
EPOR	0	-1.27459	-1.55884	-2.33169	-1.93979	-1.87703	-1.34247	-1.8955
MSX2	0	-1.22505	-2.59807	-1.22018	-1.09711	-0.6953	-0.74922	-3.59294
PIWIL4	0	0.261439	-1.07029	0.662929	-1.54003	-1.53552	-1.57524	-0.927
OLFML2A	0	0.069344	-1.15083	0.107813	-0.78218	-2.5092	1.010627	-1.98911
EFEMP2	0	-0.5077	-1.15664	0.576737	-2.39559	-1.12653	-2.05206	-0.97728
PPM1B	0	-1.37663	-2.14865	-2.05297	-1.46368	-2.4228	-2.24868	-1.69148
DBNDD2	0	-0.55415	-0.80042	-1.90589	-0.70504	-1.53983	-1.6584	-0.85978
NDRG2	0	-0.9535	-2.1034	-0.8371	-1.02965	-1.06207	0.549898	-2.73793
HECTD2	0	-1.72289	-2.57559	-2.03612	-1.26716	-2.09449	-2.62232	-0.9176
SPOCD1	0	-1.65424	-2.24482	0.067189	-2.51384	-2.48138	-2.59497	-1.69906
TSC22D1	0	-1.33942	-1.38914	-1.8878	-2.31585	-2.68473	-2.88581	-1.52586
CHADL	0	-2.79855	-3.22134	-1.52435	-1.22643	-0.82219	-1.30374	-2.64314
POU6F1	0	-0.49373	NA	-0.56191	-1.20709	-0.869	-0.75543	-1.32921
FBLN7	0	-1.465	-1.78333	-1.47216	-2.00415	-2.46131	-2.09092	-2.17553
TPTE	0	-2.17935	-3.00936	-0.1684	-1.67811	-1.99556	-0.81838	-1.06145
ACSM1	0	-2.05875	-2.44394	-0.17681	-1.59152	-1.97181	-2.43607	-3.44195
L3MBTL1	0	-1.22195	-1.41869	-1.14348	-0.88839	-0.40463	-0.29461	-0.0553
NOL4	0	-2.76628	-2.25368	-1.17695	-2.73453	-1.98465	-2.59425	-4.02934
ACSM5	0	-2.79681	-2.53897	-0.04594	-2.6462	-0.66538	0.106627	-1.74534
C15orf52	0	-1.07537	0.109369	0.492071	-2.20551	-1.06638	-2.19468	-3.05004
ADARB2	0	-2.50703	-1.98649	-0.97032	-0.83631	-1.87555	-1.25744	-1.605
SERINC1	0	-2.00796	-2.43867	-1.08198	-1.84373	-1.75351	-1.88497	-1.91556
LOC1005C	0	-2.55185	-3.42051	1.152866	-2.95433	-1.15384	-2.05998	-2.33827
LOC10065	0	-2.67484	-2.02338	-1.49584	-1.44579	-1.50685	-2.02217	-2.56763

TGFB3	0	-1.38644	-3.07874	1.106608	-1.97816	-1.27899	-1.24438	-2.60237
SNURF	0	-2.47788	-0.23381	-0.33846	-1.69772	-1.71703	-0.32797	-3.82338
SORT1	0	-1.85519	-2.67224	-0.68003	-2.24761	-1.56363	-1.914	-1.43042
SLC25A29	0	-1.47259	-1.55304	-0.31259	-0.66096	-1.82825	-1.68419	-1.40525
TBX3	0	-1.11786	0.543918	-0.8797	-2.3577	-1.76586	-1.35906	-2.44518
NEK3	0	-0.09767	-2.58317	-0.34761	-0.97563	-1.65202	-1.20792	-0.34819
ZBTB8A	0	NA	-0.67416	-0.98683	-1.86785	-1.3128	-1.93183	-0.37827
MAP3K3	0	-2.01649	-2.84906	-1.73548	-1.27239	-1.63126	-2.25931	-1.74129
ACR	0	-1.57479	-2.47632	-2.21729	-1.18763	-1.89104	-1.83394	-2.49344
AGPHD1	0	-2.36926	-3.48134	-1.85144	-1.41182	-1.71365	-1.39505	-0.36457
TMEM61	0	-2.71938	-3.66856	-2.42541	-1.56286	-1.95523	-2.98731	-1.97745
ENDOV	0	-0.2147	-1.16088	-0.07906	-1.0684	-1.31988	-0.24592	-1.28309
KERA	0	-0.75265	-0.91231	-0.15952	-3.04362	-0.06219	-0.14632	-0.58061
ACE	0	-2.01238	-1.72116	-1.82913	-1.67511	-2.82271	-1.12866	-3.53433
LOC28441	0	-1.53781	-3.34918	-0.17689	-1.38282	-1.25217	-2.05053	-2.42666
C2orf67	0	-2.23024	-2.61091	-0.97845	-1.77988	-1.64849	-1.4322	-2.43295
TRNP1	0	NA	0.387472	NA	-1.85026	-1.43369	-2.28915	-3.22118
MYEF2	0	-3.8543	-1.60283	-1.48461	-0.56591	NA	-1.65978	-2.751
MPP2	0	-0.36872	-1.87162	-0.55441	-2.43629	-1.65855	-1.28498	-0.09985
KIAA1614	0	-2.2364	-1.9413	-0.21193	-2.29337	-0.21914	-1.23546	-0.89717
CYP21A2	0	-1.70997	-2.0647	-2.77055	-0.95414	-1.82185	-1.22337	-2.10928
LOC10013	0	-3.35617	-0.00948	-0.57186	-1.20469	0.298127	-2.69004	-1.13964
C3orf32	0	-1.73011	-2.43183	-1.38579	-1.21062	-2.46709	-1.38264	-2.99018
TOX2	0	NA	-0.16061	-1.88372	-1.2589	-1.14281	-2.29892	-1.8786
LPIN2	0	-1.5559	-1.80234	-0.62221	-2.81744	-2.10613	-2.21221	-2.55115
KLHDC5	0	-2.08224	-1.9651	-1.03905	-1.93377	-2.24578	-1.77158	-1.8501
RSU1	0	-2.45529	-2.96492	-2.38112	-2.11553	-1.42289	-2.82546	-1.79804
ZNF493	0	-3.70527	-2.81477	-0.30825	-2.08964	-1.52956	-2.42504	-4.28715
PLA2G4C	0	-0.65395	-2.88646	-1.16932	-0.60985	1.073989	-0.44543	-3.23426
ERO1LB	0	-2.35002	-5.24604	-1.76621	-0.95192	-1.7943	-1.50205	-0.85002
LOC1005C	0	-3.41346	NA	-1.46135	-0.94686	0.439031	-2.38253	-2.80807
ZNF177	0	-1.56937	-1.65365	0.800065	-1.78023	-1.63209	-1.98489	-2.94525
FBXO32	0	0.044237	-2.19405	1.679012	-1.97445	-0.48848	-2.3528	-1.30874
DDO	0	-3.18709	-2.75676	-1.4216	-2.40423	-2.38524	-0.80348	-0.09847
C19orf76	0	-2.15691	-2.05127	NA	-1.01752	-3.70803	-2.24911	-3.0363
SOX13	0	-0.53598	-1.72809	-1.76344	-1.38903	-2.32612	-0.89341	-1.68671
ARHGEF9	0	-1.94777	-2.07898	-2.30983	-0.9396	-2.00249	-2.09476	-1.54467
TTC33	0	-2.01492	-2.09552	-1.41218	-1.76775	-2.48402	-2.76218	-2.06778
ITFG1	0	-1.67781	-2.6474	-0.9093	-1.53568	-1.74041	-2.19857	-1.60953
FRMD4A	0	-1.54835	-2.9122	-1.58413	-1.86432	-1.86118	-2.5832	-2.96716
PPP3CC	0	-2.04707	-2.60045	-1.92619	-1.61762	-2.699	-1.95326	-2.58043
ADARB1	0	-1.76599	-1.65981	-1.04934	-0.95316	-0.23675	-1.06051	-2.63054
CEBPD	0	-2.0517	-1.46658	-2.84087	-2.44146	-2.04896	-2.17684	-1.89242
RFX3	0	-1.85633	-1.05171	-0.80456	-0.86422	-1.56753	-1.40201	-0.60007
DMGDH	0	-2.18698	-1.97564	-0.16168	-0.67067	-1.45585	-1.89851	-3.86624
MYOM2	0	-1.88656	-3.88525	-2.147	0.71108	-0.93729	-0.93381	-4.13278
MAGEL2	0	-0.14339	NA	NA	-3.07564	-0.13904	-1.35069	-1.62666
PKD1P1	0	-0.12717	-1.18198	-0.76974	-1.36003	-0.23426	-1.23308	-0.88303
IMMP2L	0	-2.20302	-0.89791	-1.84849	-2.15476	-2.05366	-2.3386	-1.92579
GPC4	0	-1.39645	-1.94785	-1.26501	-1.66148	-2.24634	-2.47462	0.251216
TMEM22	0	-0.59818	-3.86802	-1.652	-0.36181	-1.68966	-0.44186	2.195378
PABPC4L	0	-2.63882	-3.59418	-0.28322	-1.38652	-2.00758	-0.5767	-3.67451
VCL	0	-1.12775	-1.63183	-0.77004	-2.59138	-2.03849	-2.17395	-1.42693
FRMPD4	0	-2.61747	-2.28547	-1.14035	-1.88226	-1.80691	-2.23739	-3.292
SLAIN1	0	-3.98865	-3.7236	-1.50466	-1.3841	-2.49651	-2.8059	-4.7523
COX11	0	-2.54311	-2.21666	-1.8952	-2.03573	-1.68526	-1.68821	-1.32705
LOC1005C	0	-1.61086	-1.5148	-1.44948	-1.47039	-1.87269	-1.74959	-2.21924
MCHR1	0	-1.45771	0.002036	-0.31661	-2.63788	-2.02168	-2.49368	-2.64562

DDHD2	0	-2.03812	-2.70542	-1.83842	-1.25325	-1.86568	-1.7956	-1.96516
C1orf213	0	-1.89906	-0.65215	-0.81631	-1.16208	-0.66763	-1.56834	-0.6551
C4orf3	0	-1.75294	-1.35064	-1.38365	-1.54277	-1.59635	-2.33494	-2.17447
DNAJB5	0	-0.94419	-1.04946	-1.42898	-1.97977	-2.26295	-2.07979	-1.19689
HNRPLL	0	-2.28721	-2.83019	-2.33221	-1.62086	-3.0528	-3.26426	-2.17327
LOC10028	0	-2.97716	-2.42819	-0.95356	-1.23512	-1.54991	-1.35351	-1.11941
LOC40002	0	-2.68391	-2.22604	-1.66501	-1.72976	-1.89632	-1.82031	-2.02154
GLIPR1L2	0	-3.2387	-0.70124	-0.89535	-3.01101	-1.92005	-1.90074	-1.7665
KCNN2	0	-0.78011	-1.73469	-2.87172	-1.54166	-2.70616	-1.86409	-2.04085
OXGR1	0	-2.84613	-2.38759	0.850121	-1.6003	-2.26814	-1.40989	-4.01299
GPR155	0	-1.90934	-4.03982	-0.52213	-0.68251	-0.60368	-0.78182	-1.80981
TCEA3	0	-1.42114	-2.74992	-0.2633	0.276219	-3.49909	0.666801	0.171003
NFIL3	0	-1.28196	-1.50257	-1.57659	-2.78427	-2.05189	-2.65762	-2.79988
MAP7D3	0	NA	-2.1674	NA	-1.33198	-2.51181	-2.64199	-1.83251
KCNA2	0	-3.41513	-3.05138	-1.75239	-0.49222	-2.43448	-1.04207	-3.27351
USP7	0	-1.285	-2.62464	-1.80144	-1.2083	-1.30749	-1.94095	-1.72438
PLAGL1	0	-1.83997	-3.96563	-0.45588	-0.81667	-1.62207	-2.78686	-1.29258
ZNF280D	0	-1.77058	-2.26923	-0.47718	-1.53759	-0.91786	-1.35946	-0.87778
TMEM109	0	-2.45386	-2.32916	-1.58565	-1.81663	-1.67985	-1.78329	-2.53571
CCDC81	0	-2.03134	-2.3139	-1.36189	-1.91349	-2.56123	-2.8404	-1.34029
AGAP1	0	-2.2181	-2.82214	-2.01282	-1.75534	-2.39987	-2.33595	-3.66687
ZNF826P	0	-2.93361	-2.35497	-0.14915	-1.87809	-0.74632	-0.16722	-3.32922
PKIG	0	-2.17083	-1.69822	-1.78875	-2.54689	-2.44713	-2.41022	-2.66911
TECPR2	0	-1.61192	-1.68513	-1.40975	-0.81252	-1.41618	-2.07596	-1.51955
EPB41L5	0	-1.83799	-1.61657	-0.7958	-1.7892	-1.82034	-1.21599	-0.74459
DKK3	0	-1.06074	-1.51033	-0.21392	-1.77544	-1.01337	-1.77688	-1.60612
NOTCH4	0	-2.52637	-2.25351	-1.05021	-1.5484	-1.15573	-1.51726	-1.42916
RNF182	0	-2.394	-3.68728	-2.42166	-1.26535	-3.27561	-3.63156	-2.28366
EPM2A	0	-2.25893	-2.05824	-1.8414	-2.1247	-2.61053	-2.02957	-1.85762
MEX3B	0	-1.17612	-2.0177	-0.20112	-1.84346	-2.11727	-2.85865	-3.72535
CCL16	0	-3.2195	-2.77372	-1.20059	-1.79079	-2.20716	-2.09242	-4.53535
DUSP8	0	-0.59324	-1.83401	-0.5973	-1.50984	-1.01046	-1.27479	-2.17366
ZFP82	0	-3.0638	-2.71754	-0.86648	-2.94926	-2.3393	-1.22261	-4.03192
CELF6	0	-2.00291	-2.30563	NA	-0.85507	-1.65896	-0.08188	-2.27912
EPB41L4A	0	-3.80724	-5.60884	-1.85293	-1.44775	-1.39844	-2.18834	-2.64786
NOG	0	-1.07154	-1.22445	-1.00552	-2.88834	-2.1344	-2.19797	-2.41909
EPHX1	0	-1.86424	-2.38258	-0.74903	-1.94329	-0.84163	-0.0213	-0.43001
TMEM200	0	-1.09455	-2.27091	-2.16049	-2.64738	-3.40901	-2.3819	-1.18122
C7orf74	0	-3.80175	-2.85366	-1.51233	-1.55377	-1.3857	-2.47426	-2.8096
TRIL	0	-2.88549	-3.48386	-0.15288	-0.71412	0.38648	-0.12857	-1.84842
TMEM150	0	-2.61572	-3.6957	-0.86576	-1.38358	-1.33209	-1.4097	-1.02027
FNBP1	0	-1.90076	-2.65284	-2.07678	-0.90134	-1.50917	-1.46148	-3.31195
IGDCC4	0	NA	NA	1.044892	-1.99742	0.326515	-0.56577	-1.71424
YPEL2	0	-2.18384	-2.71106	-1.55438	-1.73023	-2.36464	-1.7102	-2.68829
NUDT4	0	-1.52404	-1.75873	-1.24836	-1.68163	-1.65741	-1.45874	-1.37463
ESPNL	0	-0.837	-3.98852	-1.89377	-0.21426	-2.30241	-2.67832	-0.57884
ZNF501	0	-2.86072	-1.1132	-0.75585	-2.01718	-2.66469	-2.96991	-1.90924
SLC27A1	0	-1.57376	NA	-1.3065	-1.8502	-1.58441	-1.98067	-2.72741
ZNF404	0	-3.29925	0.037841	1.456364	-1.98487	-0.14594	-1.84842	-1.30962
GFRA1	0	-4.03986	-3.7652	-0.61967	-2.17342	-1.15952	-2.13069	-4.42331
AASS	0	-2.79595	-2.06207	-1.78569	-2.09739	-1.31943	-0.36829	-0.80935
NPHP1	0	-1.53727	-1.48007	-0.95356	-1.53904	-1.63346	-1.12757	-1.2921
PHC1	0	-1.93273	-3.77728	-1.8619	-2.21026	-2.13444	-2.21513	-1.86749
PRSS23	0	-0.73761	-0.97534	-0.5311	-2.89942	-2.13002	-2.18788	-1.99868
RPRM	0	-3.33872	-2.87564	-0.71055	-2.44935	-2.23931	-2.80592	-4.48284
ACADL	0	-2.61078	-2.11884	-0.13228	-2.13611	-1.28227	-1.83026	-3.2774
EEDP1	0	-2.13096	-3.43224	-0.47213	-0.40976	-1.39464	-0.96718	-2.09719
WFIKK2	0	-2.92099	-2.63606	-0.56442	-0.91486	-1.76832	-1.97552	-3.29352

KIAA0240	0	-1.74786	-2.97761	-1.07912	-1.5048	-1.70681	-1.89182	-2.18968
TAL1	0	-2.79582	-3.72431	-2.17049	-0.74164	-2.81744	-3.2956	-2.38574
WSCD1	0	-3.07576	-2.49625	-2.13462	-2.06688	-3.0022	-2.36278	-4.82093
AKD1	0	NA	-1.63692	-0.01119	-2.02861	-0.99604	-1.48575	-3.30985
USP13	0	-2.47772	-2.99312	-1.6024	-2.15172	-2.3185	-2.2069	0.246714
DNAJB4	0	-2.84583	-2.2599	-2.77396	-2.20388	-3.64599	-3.24204	-2.69463
TM4SF4	0	-2.49862	-2.25208	-0.14093	-2.11175	-1.61029	-2.27951	-2.39631
C7orf46	0	-1.64651	-4.99689	-0.75406	-0.65114	-1.82368	-0.36886	0.369822
TFAP2B	0	-2.25887	-2.68819	-1.26827	-2.6443	-2.40323	-2.31631	-2.14163
IL3RA	0	-2.89112	-2.60375	-1.87695	-1.12034	-2.0429	-2.26392	-3.19778
AEBP1	0	-0.75812	-2.61658	0.724332	-1.73719	-0.62089	-1.88451	-1.42556
P4HTM	0	-0.91438	-1.9265	-0.36288	-2.12516	-1.65932	-0.86426	-1.17691
PTPRM	0	-1.46919	-2.06312	0.366097	-1.98259	-1.16011	-1.5255	-2.21927
CRISPLD2	0	-1.31943	-2.3251	-0.50369	-1.81655	-1.15505	-2.00172	-2.35752
CRYM	0	-0.17321	-1.40789	0.689077	-1.6416	-2.70598	-1.60275	-3.38724
MFSD4	0	-2.57993	-2.67276	2.830902	-2.08594	-2.16843	-2.00703	-2.82472
DIP2C	0	-1.06781	-1.88305	0.58276	-1.56304	0.0838	-2.07234	-2.47111
DET1	0	-2.58886	-1.50323	-1.6081	-1.20731	-2.04801	-2.61012	-1.84517
ZCWPW1	0	0.882943	-2.30573	-0.61126	0.018052	-1.46152	0.023518	1.180969
AKAP1	0	-2.05541	-2.38533	-1.30331	-1.44638	-1.68344	-1.18378	-1.63174
RGAG4	0	-1.11929	-1.44079	-0.8311	-3.31407	-1.07534	-1.38623	-1.61557
PGAM2	0	-2.51338	-2.70125	-2.26589	-0.68411	-2.40035	-1.54251	-2.50832
CD200	0	-2.93582	-3.47479	-1.56621	-1.65222	-1.61885	-2.34358	-3.5392
CCDC19	0	-1.28024	-1.22186	-2.42053	-2.20584	-2.0203	-2.51423	-2.13602
SLCO5A1	0	-3.00637	-2.6769	-0.35776	-0.80209	-1.40534	-1.13867	-3.70168
PNISR	0	-1.85447	-2.22036	-0.38237	-0.90878	-0.59001	-1.00227	-0.84199
HIC1	0	-1.40339	-0.89187	-1.02146	-2.23752	-2.13784	-2.34351	-2.04667
FBXO31	0	-1.52367	-1.43616	-1.82461	-1.66721	-1.41913	-1.71061	-1.1116
KATNAL2	0	-3.2652	-3.05931	-0.11848	-0.65208	-0.94922	-1.94529	-4.12078
CDKL1	0	-1.5959	-1.3086	-1.8831	-2.12332	-2.94926	-2.54113	-1.95793
BHLHE41	0	-1.60994	-2.34433	-0.4268	-1.15294	NA	0.06286	-2.31949
DENND2A	0	-2.22364	0.166235	-1.7409	-2.48823	-2.80372	-3.44478	-3.09889
LOC1005C	0	-2.7108	-1.94767	-1.23972	-1.11414	-2.39059	-0.68126	-4.47385
ITM2C	0	-1.58285	-3.26621	-1.07317	-0.2521	-1.88359	-0.44265	-2.89126
DLX5	0	-2.38814	-3.42949	-2.30522	-1.8556	-1.90184	-2.21286	-4.17297
ARHGAP3	0	-2.31807	-2.70028	-0.90802	-3.45477	NA	-2.1758	-4.14379
NAV2	0	-2.35614	-3.80837	-2.17073	-0.58616	-0.61499	-0.86027	-1.73732
FOXO1	0	-1.61169	-1.98546	-0.50795	-2.07767	-1.41328	-1.83401	-2.02538
RPH3AL	0	-2.22902	-2.87898	-0.96155	-0.72572	-2.70866	-2.01052	-2.86269
GSPT2	0	-2.0634	NA	-0.44359	-1.38856	-1.69196	-1.19999	-3.06585
CRTC3	0	-2.11959	-2.14109	-1.80045	-1.32268	-1.57207	-1.96142	-2.36558
RUSC2	0	-1.62433	-1.89302	-1.64842	-1.72419	-2.20567	-2.39345	-2.5099
FAM189A:	0	-1.36144	-3.42557	-0.40363	-0.67445	-1.60474	-2.11895	-2.4116
SKI	0	-1.76364	-1.90464	-1.71249	-1.52088	-1.94381	-1.60039	-2.62838
KGFLP2	0	-3.35235	-3.09036	-0.7594	-1.95975	-1.10448	-0.79682	-0.98545
GFRA2	0	-2.33378	-3.50495	-1.50093	-2.45375	-0.28685	-2.16527	-2.60053
SCARA3	0	-1.66717	-3.3315	-0.45192	-1.68327	-1.63065	-1.34604	-1.9187
CHST7	0	-1.97125	-1.70877	-1.69847	-1.29794	-2.37687	-1.93023	-1.86628
CHRM2	0	-4.56845	-4.13847	0.509329	-3.43427	-2.49926	-1.1716	-2.44581
PCDHB7	0	-3.2597	-2.62485	0.166011	-1.53976	-2.93978	-2.64632	-3.56007
LOC64424	0	-3.56273	-0.81149	-2.41247	-0.97849	-2.17673	-3.72922	-0.49781
NPR2	0	-2.14608	-4.07821	-1.02508	-1.64372	-1.86099	-1.71741	-1.12395
FBN1	0	-0.40895	-2.69501	1.433161	-1.71164	-0.4197	-1.03951	-2.71782
BDH2	0	-3.86494	-3.39445	-0.12591	-2.0112	-1.57955	-2.79488	-0.22361
PRORS1	0	-3.27707	-2.69203	-1.9019	-1.03772	-2.01466	-1.43062	0.127888
ACTR3B	0	-2.52107	-2.10365	-1.96646	-1.88787	-2.03716	-2.06233	-1.85309
PRDM2	0	-1.87495	-1.48729	-1.03065	-1.41063	-1.12332	-1.21988	-2.29196
SMAD6	0	-1.72177	-2.58273	-0.72627	-1.71634	-1.80536	-1.02077	-2.71062

GSTT1	0	-1.58799	-1.68371	-3.49823	-3.32065	-1.38905	-3.44352	-1.23211
SLITRK5	0	-1.02037	-1.32741	-0.12702	-1.96741	-0.7118	-1.16606	-3.13139
ZFP28	0	-2.61456	-2.07835	-0.11177	-1.84107	-2.06049	-1.60589	-3.01611
TRPC4	0	-3.30838	-2.8458	-1.49339	-2.99183	-2.69134	-2.12894	-2.99685
SCARNA1	0	-0.22931	-1.96054	0.799002	-1.65867	0.039533	-0.4281	-0.74831
MYO15A	0	-0.1914	-2.26132	-0.13188	-2.25609	-1.22822	-0.99599	-1.97822
ASB9	0	-1.89452	-1.47191	-2.54281	-2.40987	-3.07012	-3.03993	-1.22412
CECR5-AS	0	-2.65264	-2.76238	-1.14981	-1.28908	-1.20435	-1.92914	-1.67101
CAPS	0	-2.50814	-3.12819	-1.0506	-0.91741	-1.29523	-1.8461	-2.57108
MYOZ3	0	-1.47151	-2.51875	0.550446	-1.29532	-1.49063	-1.55349	-1.41195
CACNA2D	0	-2.00106	-3.03356	-2.13021	-1.56175	NA	-1.29558	-2.06703
PROX1	0	-1.72356	-3.25057	-1.69687	-2.4061	-2.65682	-2.29096	-4.43019
HDAC5	0	-1.67338	-2.7032	-1.66601	-0.92526	-1.47807	-2.55759	-2.06623
CBX6	0	-1.502	-2.03438	-0.23216	-1.02409	NA	0.295432	-2.2217
FOXP1	0	-1.81443	-1.53851	-0.77229	-1.62113	-1.46132	-2.73458	-1.81466
GIPC2	0	-3.78303	-3.46445	-1.85873	-2.39946	-0.6989	-1.56697	-4.41075
SAP18	0	-2.62586	-2.46337	-1.38534	-1.80726	-1.97122	-1.89033	-1.42993
LYVE1	0	-1.95952	NA	-1.25844	-3.77275	-2.91277	-2.55461	-3.43118
FAM26E	0	-2.30107	-2.51821	-1.07994	-2.50996	-2.67989	-2.88625	-2.96739
SEMA5B	0	-1.9021	-0.72611	-1.57717	-2.41541	-0.68535	-1.93857	-2.50265
HOXD4	0	-2.17568	-1.93255	-0.77886	-1.19349	-0.0753	-0.59043	-1.37407
ANGPTL2	0	-1.60896	-3.30148	-0.31949	-1.44409	-2.39248	-2.45131	-3.31727
RAB6B	0	-2.16034	-0.66574	-0.23148	-2.46154	-0.25308	-1.32157	-2.32877
ATP6V1G2	0	-2.53099	-2.38954	-2.26926	-0.92442	-2.13558	-2.458	-1.82528
C9orf129	0	-3.27871	-2.6701	-0.72644	-1.9619	-0.03179	-1.17567	-3.16354
ANTXR2	0	-1.43733	0.521932	-0.59896	-2.9675	-2.22969	-2.54012	-1.475
LOC10065	0	-1.92008	-1.53758	-1.16369	-2.99977	-2.07737	-2.14454	-2.42322
CAMK2G	0	-1.46497	-2.69466	-1.65824	-1.68429	-2.0069	-1.78118	-1.7157
KCNK2	0	-3.16272	-2.64212	-0.75601	-1.7421	-2.74016	-3.07611	NA
FAM70A	0	-1.91746	-3.22867	-1.31885	0.048049	-2.698	-1.80094	-2.39302
HSPA12A	0	-0.9811	-3.04828	-2.01121	-1.39438	-1.42058	-2.3304	-4.27824
NCAM2	0	-2.46612	-1.93754	-0.11452	-2.59476	-1.08941	-1.48368	-3.24321
SPIN3	0	-2.20117	-4.28749	-1.43856	-0.36123	-3.12446	-1.42653	-1.31874
NKAIN2	0	-2.51034	-2.1095	0.81107	-2.3399	-2.02382	-2.25542	-4.06418
OPCML	0	-2.95531	-2.88764	-0.59205	-1.43444	-1.54841	-1.75289	-4.05158
C7orf41	0	-1.6125	-2.31782	-1.07441	-1.95965	-1.60038	-2.0647	-1.79489
NUDT16	0	-3.35719	-2.14072	-1.72356	-1.72338	-1.78899	-2.39695	-1.28223
ZNF529	0	-2.78151	-1.95968	-1.25638	-1.05171	-2.19974	-1.86985	-1.66224
NRP1	0	-2.36147	-1.76798	-1.06656	-1.9222	-2.17681	-1.93638	-1.73773
DENND5A	0	-2.91396	-2.09836	-1.09726	-2.43758	-1.71686	-2.88398	-1.24951
ADAM33	0	-1.6331	-2.16217	-0.24166	-1.46577	-0.6152	-0.5801	-2.18361
MT1M	0	-1.95575	-0.14354	-5.30891	-1.81413	-3.71547	-3.78294	-0.44953
EIF4E3	0	-2.97932	-3.19472	-3.41171	-1.56079	-3.04139	-2.53385	-1.90039
GLS	0	-1.53288	-2.09345	-1.16957	-1.71166	-1.86356	-2.03383	-3.19372
TRAM1L1	0	-3.38385	-2.14791	-0.77627	-2.03527	-2.39542	-0.0595	-3.95327
GLI1	0	0.707013	-0.54356	-2.6645	-2.33075	-1.71798	-1.52056	-3.15986
ADCY6	0	-0.15905	-2.39062	-0.2608	-1.24383	-2.48641	-0.61098	-0.8208
LRP6	0	-1.58742	-2.29132	-0.28952	-2.43685	-1.12598	-1.1389	-0.65926
RAB23	0	-1.64254	-2.12926	-0.70614	-1.92936	-2.23765	-2.12689	-0.95221
PIP4K2A	0	-2.83177	-2.73871	-2.41228	-1.95379	-2.60959	-2.9715	-2.63812
ARHGAP2	0	-2.77823	-1.47023	-2.07684	-1.6116	-3.81886	-3.01699	-1.88536
RHOBTB3	0	-2.07171	-3.88944	0.891241	-1.89014	-2.31268	-1.6011	-1.44104
SLC12A7	0	-3.00017	-3.45783	-1.80941	-1.30257	-1.70468	-1.6128	-2.4228
SNX21	0	-2.69581	-2.13393	-1.80693	-1.5628	-1.51958	-2.10832	-2.91606
RILPL2	0	-2.70721	-2.57411	-1.88432	-1.7232	-2.08553	-1.64679	-1.44169
CACHD1	0	-3.26083	-4.27785	-2.16715	-2.27419	-1.29208	-1.62623	-2.48132
IFFO1	0	-1.3556	-2.48538	-0.28856	NA	-0.58071	-1.00494	-1.86949
IGFBP4	0	-2.22246	-3.45027	-1.20101	-1.9312	-2.00051	-1.47876	-0.77211

PLA2G5	0	-1.1626	-1.65718	-1.17229	-2.55742	-1.24376	-2.93236	-1.99956
LINC0008!	0	-1.11719	-1.02907	-0.83708	-1.56364	-1.52763	-0.77627	-1.39895
SERHL2	0	-1.62939	-1.13149	-3.17995	-1.87152	-2.64978	-2.0661	-0.53186
C21orf63	0	-2.6419	-2.39164	-2.38838	-1.17492	-1.71527	-0.41869	-0.18123
SCUBE2	0	-2.57779	-4.00906	-2.22067	-1.31006	0.015248	-2.18451	-4.08324
ACOT1	0	-2.7155	-2.59322	-1.20646	-2.31622	-2.03184	-2.41319	-2.98598
DCHS1	0	-1.78015	-2.53646	-0.10537	-1.50774	-1.3237	-1.7029	-2.08169
SLC6A1	0	-3.15175	-2.34908	-0.09718	-1.73737	-1.74549	-2.17604	-3.17956
WIF1	0	-4.64117	-5.05073	-3.6074	0.003857	-4.34793	-4.73021	-2.6294
GABARAP	0	-1.59537	-2.97346	-1.36284	-2.49834	-2.26939	-2.2967	-1.41147
SIM1	0	-2.6382	-3.21084	-2.51921	-2.07868	-2.86707	-1.20361	-2.43792
DNMT3A	0	-3.02904	-3.24656	-3.39564	-2.02235	-2.53376	-2.48506	-2.66798
MORN4	0	-2.03874	-2.88102	NA	-1.62384	-2.16724	-1.80597	-1.96379
ACOT2	0	-2.69978	-2.69321	-1.3197	-2.24809	-2.08653	-2.52964	-3.14117
PDLIM5	0	-1.52729	-0.65778	0.212265	-0.22121	-1.04747	-1.18328	-0.59219
C5orf32	0	-2.87989	-2.15589	-0.60215	-2.70326	-2.109	-1.75963	-1.67702
FAM134B	0	-2.19054	-3.40249	NA	-1.51629	-1.15189	-1.62621	-3.05083
ARHGAP2	0	-0.79926	-1.81238	1.360231	-4.71395	-1.18339	-1.0131	-0.73952
CHST8	0	-2.0554	-2.32471	-2.70401	-1.36969	-2.30253	-2.82569	-2.71025
KLF8	0	-4.47965	-5.09722	-0.65558	-2.12182	-2.76918	-0.30917	-2.21618
SMARCE1	0	-1.9813	-2.31533	-1.51186	-1.19875	-1.44502	-2.3154	-2.21617
PCDHB10	0	-4.42036	-2.6412	-0.57049	-1.85607	-2.95061	-3.3945	-5.38913
EZH1	0	-1.52095	-1.28162	-0.848	-1.59404	-0.81852	-1.18456	-1.27992
DLX6	0	-1.51856	-0.77094	-0.18475	-2.45879	-0.9138	-1.37412	-3.0391
ZNF160	0	-1.61005	-1.41595	-0.76284	-1.93424	-1.74553	NA	-4.04435
PEG3	0	-3.39454	-2.84538	-1.69669	-1.79609	-2.78913	-2.88502	-4.98637
DISP1	0	-2.13609	-2.94889	-0.48558	-1.92811	-1.22387	-2.17429	-2.12704
ARHGEF1!	0	-2.33015	-2.98048	-1.70628	-1.60276	-1.67571	-1.85883	-3.59624
PCYT1B	0	-1.58223	-0.84934	-1.11843	-2.18179	-1.86158	NA	-4.18175
OSBPL5	0	-1.95372	-2.22781	-2.02912	-2.1544	-2.00901	-2.66498	-1.70444
TLR4	0	-3.53808	-2.79155	-1.68133	-3.20756	-2.55022	-3.00275	-3.04253
FBXO16	0	-3.60772	-1.89631	-2.09053	-0.9736	-2.72055	-0.50393	-2.66213
ZFHX3	0	-1.49139	-2.01752	-1.06106	-2.1264	-2.04944	-2.02728	-2.75421
NFIC	0	-2.23421	-2.43798	NA	-1.61707	NA	-2.10067	-3.28599
SARM1	0	-1.88803	-2.55898	-0.97758	-0.93829	-1.50707	-1.08431	-1.68168
GRID1	0	-0.96876	-3.85252	-0.44382	-2.75398	-2.34868	-2.19213	-2.62301
IRS2	0	-0.20735	-0.97701	-1.78222	-2.35864	-2.84744	-3.09618	-1.5048
FAM65B	0	-3.68428	-2.85138	-2.67381	-1.90482	-1.89131	-1.66263	-2.75535
SRCIN1	0	0.198117	-2.32774	-0.11654	-1.12268	-0.96621	-0.06386	-2.2617
PPP1R12A	0	-1.42359	-1.59449	-1.27624	-1.60607	-2.00236	-2.34825	-1.58001
LINC0034:	0	-2.3779	-2.28001	-2.29492	-1.27681	-1.78419	-1.4056	-3.44226
C8orf4	0	-2.47241	NA	-3.45497	-1.69833	-3.26292	-2.52958	-4.10296
CLIC6	0	-3.12935	-5.10674	-0.40481	-1.75467	-1.6198	-2.00457	-2.47958
TIE1	0	-1.42176	-2.21117	-1.563	-2.67939	-1.64049	-1.32153	-2.34718
C1orf54	0	-2.585	-2.78229	-0.97754	-1.57995	-1.40121	-1.58094	-1.81279
LHX6	0	-0.8067	-2.21062	-2.23713	-1.30357	NA	-0.33381	-0.7418
MYL2	0	-2.43803	-2.2307	-0.0626	-2.87584	-0.04137	-0.41652	0.021065
CUL3	0	-2.48746	-2.31485	-0.71643	-2.43404	-1.88926	-2.01067	-2.12971
ARMC2	0	-2.62601	-2.15021	-1.3387	-3.02186	-1.88026	-1.51938	-2.5034
FAM27E3	0	-1.81749	-0.98379	-0.97306	-0.82964	-4.17276	-1.86119	-2.29541
FBLN5	0	-2.20736	-2.87051	-0.89141	-1.8776	-2.19898	-1.96825	-2.7871
PTGER2	0	-3.40226	-2.53396	0.195837	-2.50578	-1.41611	-1.44867	-1.41754
ANO5	0	-3.17247	-2.50252	-0.78518	-2.19794	-1.28443	-2.58193	-4.22535
RGS6	0	-2.06793	-1.00346	0.734534	-2.25415	-1.35352	-1.32193	-3.1275
MYCBPAP	0	-4.55007	-0.51263	-2.22509	-1.16019	-1.16784	-1.63417	-2.18583
C19orf18	0	-3.00323	-2.52845	1.09737	-0.90124	-1.15729	-1.45498	-3.09004
TMEM178	0	-3.07473	-2.64312	-1.26155	-1.22694	-2.23905	-1.41973	-3.04564
ZRANB1	0	-0.81207	-2.63426	NA	-1.79981	-2.36194	-2.02373	-1.70344

SLC24A3	0	-3.10231	-5.9974	-1.34651	-0.13283	-0.00202	-1.22121	-1.48903
TP73-AS1	0	-2.04853	-3.23935	-1.08577	-1.64944	-1.0954	-0.36278	0.307963
RIMKLB	0	-1.44812	-2.41986	NA	-2.68402	-3.43122	-2.53475	-1.67991
FAM117A	0	-1.32292	-2.885	-0.60568	-1.67241	-0.72005	-0.19241	-0.54906
C12orf69	0	-2.82646	-2.80018	0.692317	-2.59681	-1.65511	-2.36505	-3.95395
LOC1005C	0	-3.08025	-1.9056	-0.55637	-0.28445	-0.71927	-1.18796	0.150302
BSN	0	-2.41913	-3.25128	NA	-1.91065	-2.03407	-2.41658	NA
UBQLNL	0	-2.26721	-2.37378	0.915797	-1.18297	-0.7515	-1.62459	-1.8636
CNN3	0	-2.11005	-1.185	-0.93689	-2.64358	-2.41415	-2.43495	-2.61105
FAM13A	0	-1.79905	-0.93837	0.2328	-2.45993	-0.90594	-0.95916	-0.97701
ZFP14	0	-3.51541	-2.65559	-0.32515	-1.00394	-0.69424	-1.6687	-1.37102
TTYH1	0	0.139784	-1.86489	-3.47601	-1.03151	-2.85082	-1.67365	-3.24499
IGIP	0	-1.67804	-1.86418	-0.72069	-1.82209	-1.2618	-1.26402	-1.74358
AHI1	0	-1.99144	-2.99906	-0.6774	-1.26521	-0.87881	-1.13413	-1.22201
PDE1C	0	-2.71948	-2.26531	-0.1442	-1.94684	-1.92755	-2.15619	-3.89551
LOC1005C	0	-3.56246	-2.92081	-1.33447	-2.04151	NA	-2.30211	-3.85251
OPHN1	0	-2.24405	-1.81365	-1.12162	-1.29297	-1.38697	-2.47114	-1.40197
HOXD3	0	-2.60472	-3.33693	-2.14474	-1.46017	-2.25347	-1.20504	-0.64454
SLC43A1	0	-1.75092	-2.57976	-1.16142	-1.42536	-1.78229	-1.49135	-2.10957
PLEKHH2	0	-0.99854	-2.13836	0.323838	-1.25017	-1.44576	-1.35645	-1.54932
AES	0	-2.94293	-2.12607	-1.75403	-2.3831	-0.92058	-3.08033	-2.99359
PLCL2	0	-2.74961	-4.84628	-1.14962	-2.14018	-1.82412	-1.30905	-1.85598
C8orf48	0	-3.716	-2.96186	0.722584	-2.46293	-2.57998	0.488298	-4.49557
OVGP1	0	-0.2474	-1.88312	-0.5002	-0.80172	-1.25326	-0.69018	-1.88444
SH3BGRL	0	-3.36495	-3.31371	-0.45152	-2.0967	-0.99555	-1.61173	-1.93793
SHF	0	-0.74368	-1.90754	-0.30483	-1.77122	-2.60595	-2.55054	-1.00213
ERG	0	-1.45011	-2.51555	-2.00568	-2.18208	-2.87826	NA	-1.52274
CLIC4	0	-2.15488	-1.62408	-1.42609	-3.10809	-2.11858	-2.39374	-1.94399
GPAT2	0	NA	-2.72928	-1.52014	-1.02621	-1.7333	2.001861	-2.60994
LOC1005C	0	-2.61815	-2.20133	-1.70288	-1.64567	-2.217	-2.21244	-1.59138
HNMT	0	-3.19332	-3.03701	-1.19399	-2.34915	-2.09548	-2.24499	-2.8723
SNTB1	0	-3.16654	-3.78659	-1.41264	-2.60966	NA	-3.10384	-4.29118
ZNF439	0	-2.4187	-3.15895	-1.20386	-1.32651	-1.38342	-1.04063	-2.3045
EXTL1	0	-0.94988	-1.66187	1.099543	-2.90198	-2.54334	-2.80989	-2.91205
KIAA0368	0	-1.77451	-1.57783	NA	-0.81259	-1.01266	-1.55099	NA
PKD2	0	-2.44269	NA	-0.716	-2.18347	-1.56381	-1.94501	-0.92446
LOC10061	0	-2.65376	-3.11351	0.339433	-1.53358	-2.32911	-2.47397	-1.11313
DBC1	0	-3.43808	-3.42788	-0.95859	-3.46929	-3.00969	-0.12869	-4.19549
GJC2	0	-0.98762	-1.61155	-2.28871	-1.78201	-2.02776	-1.83866	-1.93446
CDC42EP3	0	-2.66938	-1.1359	-2.15235	-1.89107	-2.51333	-3.2039	-3.70399
HNRPDL	0	-3.03647	-3.3341	NA	-1.35474	-1.93495	-2.63549	-1.6912
SSC5D	0	-1.18173	-1.56675	-0.01762	-1.94501	-0.48001	-1.06906	-2.54186
MMRN2	0	-1.82798	-2.74519	-2.71592	-0.99787	-2.26501	-1.7825	-2.9539
CAHM	0	-1.86943	-2.87834	-1.81593	-1.41298	-1.58129	-2.11565	-1.94808
CASC1	0	-3.07831	-2.44989	-0.21927	-1.6515	-1.9126	-2.15429	-1.65276
GLP2R	0	-1.31777	-2.89989	-1.73732	-1.98401	-2.98255	-2.40153	-2.58958
IGSF21	0	-1.9413	-1.24368	-0.57655	-3.31913	-1.83286	-2.3522	-2.48009
STMN2	0	-2.08705	-2.90439	-0.77473	-3.90631	-1.59204	-0.0414	-3.45129
RIMKLA	0	-3.44143	-2.78049	-1.07199	-3.54212	-2.52456	-2.82667	-3.31738
LIN7A	0	-2.19503	-3.80503	-0.35372	-3.57941	-1.64282	-1.43849	-2.28595
IDS	0	-2.33172	-2.66402	-0.44384	-1.42871	-1.55947	-0.83987	-1.13856
LOC10012	0	-4.00115	-3.42092	-1.04769	-2.10147	-2.2355	-2.73903	-3.40884
ATP5F1	0	-4.70096	-2.28741	-1.62398	-2.49384	-2.99913	-2.84562	-2.38511
MAN2A2	0	-2.66099	-3.36533	NA	-0.68051	-1.88233	-1.41095	-1.74157
ZMAT4	0	-2.83845	-2.40179	-0.19285	-3.38538	-1.18881	-2.02693	-3.7557
ZNF462	0	-1.05058	-0.41225	-1.2113	-2.39479	-2.38628	-2.61963	-2.28812
C1QTNF4	0	-2.59167	-2.86266	-2.68926	-1.13304	-3.04741	-2.80696	-3.50983
SLCO2A1	0	-2.04632	-1.74434	-0.92688	-2.26305	-1.90805	-1.18435	-3.56604

DLG4	0	-1.58185	-2.48364	-1.21045	-1.46872	-1.71811	-2.13981	-1.88985
PLCB1	0	-2.53324	-3.60595	-1.08347	-2.86704	-2.43767	-2.24694	-3.09455
AIF1L	0	-0.14322	-3.7707	-4.33102	0.191737	-4.97208	-0.37744	-2.08855
ENTPD1	0	-1.22649	-3.13428	-1.28904	-1.49431	-1.13253	-1.5643	-2.39768
ARHGEF17	0	-1.3834	-2.38448	-0.82547	-1.50666	-1.61746	-1.78105	-1.71929
PRKCDBP	0	-2.27811	-0.60384	-1.28967	-3.26726	-2.27528	-3.27108	-2.491
LZTS1	0	-2.86572	-4.53981	-1.01116	-2.34436	-2.3552	-2.84253	-4.03469
SNRK	0	-2.71533	-2.75903	-3.61694	-2.31776	-3.21742	-3.38397	-3.28284
EPHX2	0	-2.34178	-3.6226	-0.55334	-1.714	-2.66442	-1.45147	-1.75882
CADPS	0	-1.01544	-2.77571	2.625423	-1.64047	-1.55666	-2.43508	-2.73466
HTR4	0	-3.8132	-2.5787	-1.89355	-2.61046	-2.15686	-1.59028	-4.50226
SPAG16	0	-3.52949	-1.16276	-0.66282	-2.03894	-1.80484	-1.39934	-1.73041
GNAO1	0	-3.24058	-2.86045	-1.60062	-2.59815	-2.50088	-2.74973	-2.54234
LEPREL2	0	0.438079	-3.00532	0.233763	-2.21181	-1.5794	-2.53165	-1.94675
PTGER3	0	-2.12726	-3.57018	-1.13405	-2.72728	-1.59328	-2.58213	-3.2775
C5orf25	0	-0.93183	-2.22118	-0.40514	1.30195	-0.6187	-0.48063	-1.18846
EGR1	0	-1.05816	-3.152	-0.66717	-1.70899	-1.51243	-2.65955	-2.88414
FAM171B	0	-1.90643	-3.91892	0.346702	-3.60352	-2.46244	-1.92104	-2.23993
VAMP5	0	-2.36204	-2.7453	-1.25419	-1.83496	-2.09575	-1.80394	-3.32641
MAG	0	-1.24715	-1.20503	-1.25312	-3.30544	-1.70771	-1.6727	-1.762
MNS1	0	-2.97968	NA	-1.51778	-1.6818	-0.23248	-1.60786	0.165411
ROBO4	0	-2.58707	-0.49881	-2.75656	-2.13171	-2.954	-2.69508	-3.5998
ANKH	0	-2.2775	-0.84241	-1.29042	-1.58998	-2.12016	-1.97529	-2.78021
PCSK1	0	-3.63416	-3.17715	-3.70724	-3.53779	-3.65829	-4.31646	-0.81845
MALAT1	0	-1.57231	-1.52777	-1.03499	-1.30201	-0.21825	-0.53949	-0.87766
ATL1	0	-2.95931	-3.81339	0.261507	-2.33305	-1.92817	-2.03953	-1.02915
ZNF765	0	-2.56856	-2.44769	-0.21346	-1.62314	-0.47889	-1.72085	-1.7532
UBL3	0	-2.13313	-3.8352	-1.05005	-1.77564	-1.80734	-2.06907	-2.15217
MECOM	0	NA	-4.07233	-0.92664	-0.01054	-0.8209	-0.30016	0.578312
TCEA2	0	-0.21942	-1.18368	-1.31391	-2.20918	-1.55595	-2.34607	-1.90838
PHF10	0	-1.67661	-2.914	-1.03554	-1.24395	-1.71691	-1.83146	-1.59825
KL	0	-3.91028	-3.45191	-1.5515	-3.15506	-2.82839	-3.23774	-3.87479
ZNF610	0	-3.88516	-3.51893	-1.77437	-2.66961	-2.56059	-2.95806	NA
FAM124B	0	-3.70976	-4.9512	-2.97183	-1.47132	-2.68939	-2.42838	-3.43661
MPPED2	0	-3.31579	-3.54642	0.954251	0.2664	-2.22751	2.51905	-4.48637
IL6ST	0	-3.33377	-1.07478	-1.87069	-1.99426	-1.44957	-2.07273	-1.63885
TMEFF2	0	-2.25147	-1.62349	-0.04338	-3.94103	-0.03588	-0.74991	-1.25831
NEURL1B	0	-1.16012	-3.61132	-2.28814	-1.85204	-1.6445	-1.52055	-1.92039
STK38L	0	-2.54191	-2.03833	-1.77308	-2.41474	-2.16688	-2.98736	-2.51147
GLTSCR2	0	-1.83374	-2.67681	-2.10782	-1.79578	-2.34087	-1.76346	-2.49643
ZNF71	0	-3.50629	-1.7975	-1.13401	-2.50334	-1.98202	-2.75931	-4.18275
MBL1P	0	-2.701	-3.52206	-0.28285	-0.80252	-1.33072	-1.82061	-0.96528
HHIPL2	0	-2.14692	-1.70591	-1.44383	-2.3807	-3.43031	-1.69585	-2.20316
XPNPEP2	0	-0.89054	-1.89196	NA	-1.30456	-2.88062	-1.70922	-2.54473
LAMC1	0	-1.55967	-2.58328	-1.24269	-2.29304	-2.38185	-2.13999	-1.82098
FKBP7	0	-1.9713	-1.47198	0.494583	-2.87133	-1.91523	-2.06551	-2.76508
KCNE2	0	-2.52401	-2.9909	-0.68628	-2.39668	-0.55906	-0.75621	-3.62911
DCP1B	0	-1.74841	NA	-1.86398	-2.48411	-3.19431	NA	-1.56535
ANKDD1A	0	-2.30681	-2.07158	-1.95799	-1.61188	-1.30608	-0.62022	-0.61932
KCNH8	0	-2.85016	-2.60769	-0.18077	-1.82339	-1.13424	-1.45096	-3.53613
CXorf36	0	-2.96996	-2.50534	-2.98435	-2.14097	-3.26975	-1.96185	-2.63058
PIK3R1	0	-4.25649	-2.41986	-1.88142	-2.92091	-1.36462	-2.07607	-2.05097
RDH5	0	-1.40686	-1.71378	-1.98972	-1.60417	-1.37308	-1.47025	-1.44871
MUC20	0	-2.62012	-4.2796	-1.49138	-2.85957	-2.32619	0.637323	-2.61172
TTY14	0	-3.89143	-3.61493	-3.31981	-1.75676	-3.61089	-1.65913	-3.61138
LDOC1	0	-2.92074	-2.52492	-2.16132	-3.02392	-2.40954	-2.27495	-2.60575
FAM189A:	0	-3.89684	-3.37569	-1.90041	-1.63666	-3.13584	-3.49825	-3.71267
CPLX1	0	-1.33703	-2.42238	-2.10951	-1.54853	-1.54909	-1.53023	-2.17657

PCDHB15	0	-3.21834	-3.16887	-0.70871	-3.52162	-1.94923	-3.78223	-4.39991
PZP	0	-2.57632	-3.01013	-0.03917	-2.07836	-0.04103	NA	-0.89931
STOX2	0	-0.76733	-5.63438	-1.01372	-0.53763	-0.70536	-0.90734	-0.2594
PCP4L1	0	-2.82725	-3.65451	0.209488	-0.52427	-3.279	0.476322	-0.5019
IL16	0	-1.77799	-3.50281	-1.40221	-1.6579	-1.11304	NA	-3.19254
GSC	0	-1.87043	-3.07387	-1.83447	-2.20349	-2.63814	-1.79859	-2.76234
LOC40004	0	NA	-3.76791	-1.40738	-2.46919	-2.76476	-2.50233	-2.74629
DTX3	0	-1.85435	-3.95561	-0.76194	-1.14656	-1.09573	-1.51525	-1.13138
PODXL	0	-2.35933	-2.18331	-1.35937	-1.99283	-2.38947	-1.49358	-2.74353
LOC34919	0	-1.5954	NA	-0.404	-1.69837	-0.3214	-0.2237	-2.62216
PDE8B	0	-3.10027	-4.26729	-1.6938	-1.42392	-2.77068	-1.36127	-4.15361
PCDHB16	0	-3.24723	-1.88139	-1.29821	-2.51	-2.53368	-3.31874	-2.91693
KLHDC1	0	-1.51363	-2.95592	-0.80429	-1.65951	-1.25228	-1.65668	-1.76043
PCDH18	0	-2.76004	-3.95738	-0.97762	-4.15784	-2.84893	-2.66323	-4.86598
SYT15	0	-1.33159	-3.23611	-1.75318	-2.01466	-1.98875	-2.38335	-2.33183
SPATA6	0	-2.37454	-1.72661	-1.04791	-3.1003	-1.77904	-3.24629	-3.04602
LRIG1	0	-2.54492	-2.7036	-1.84107	-1.57273	-1.53361	-2.93459	-2.23381
TNRC6C	0	-2.17827	-2.92655	-1.12933	-1.23947	-1.12017	-1.31001	-1.66026
CDC37L1	0	-2.28063	-2.38485	-2.17599	-1.99173	-2.76457	-2.35046	-2.20344
ALDH1L1	0	-1.29057	-3.68763	-3.93083	0.189091	-4.24597	-0.77604	-1.28486
C14orf81	0	-1.57312	-2.66622	-0.48563	-2.10922	-2.56779	-2.96409	-2.07824
ZXDA	0	-1.9235	-3.06035	-0.91351	-1.72368	-2.45027	-1.90085	-1.60923
HEYL	0	-0.94997	-3.19668	-1.27505	-2.84354	-2.48596	-2.62027	-2.66446
C5orf45	0	-1.74635	-1.45438	-0.97058	-0.98004	-1.02419	-1.13567	-2.10778
PDS5B	0	-1.77858	-2.8223	-1.67206	-1.74296	-2.2593	-2.02212	-2.06238
AMIGO1	0	-2.90804	-2.6486	-1.53797	-2.50787	-1.20837	-1.54866	-0.58313
ECHDC2	0	-2.91934	-4.11838	-0.7891	-1.85043	-1.28801	-1.64522	-1.51004
FLJ30064	0	NA	-2.53622	-1.13024	-1.32007	-1.67226	-2.41269	-1.98304
G0S2	0	-4.48505	-3.16299	-3.90015	-2.02689	-5.41324	-4.87966	-5.98706
ABHD1	0	-2.66631	-2.46971	-2.53386	-0.87863	-1.56793	-1.47135	-0.08689
GTF2IRD2	0	-2.25825	-3.2939	-0.56883	-1.71416	-1.45648	-1.38699	-1.34928
SNTA1	0	-2.23609	-1.58617	-1.54851	-2.55996	-2.34056	-2.95926	-1.765
TM4SF18	0	-3.78206	-3.98182	-3.12967	-2.80459	-4.13355	-2.81107	-4.04547
LRRC49	0	-2.17026	-1.19904	-0.84878	-1.83252	-2.22095	-1.45715	-1.53512
PHYH	0	-2.71086	-3.02595	-1.36854	-2.84649	-1.54479	-2.89867	-2.20128
DUSP27	0	-3.3341	-3.13936	-1.46599	-2.43734	-2.60431	-2.92608	-4.37029
LOC40055	0	-3.73398	-3.34639	-1.93259	-1.76541	-2.66155	-3.20125	-4.73569
HSD17B13	0	-3.67382	-3.35936	-1.70488	-2.08226	-3.18239	-3.42662	-4.42788
MME	0	-2.70688	-2.14779	0.752874	-4.01449	-2.79257	0.698176	3.950892
PLXND1	0	-1.96135	-3.1994	-0.97836	-1.47996	-1.84576	-2.03537	-2.16335
AATK	0	-2.27197	-1.06973	-2.24607	-3.11778	-1.17812	-2.26421	-1.81294
NMNAT2	0	NA	-2.33257	NA	-2.05076	-3.47947	0.321524	-1.55972
ENAH	0	-1.89099	-2.81149	-0.98324	-1.88933	-0.93612	-2.65457	-2.00661
CMKLR1	0	NA	-2.37256	-1.18821	-2.072	-1.20815	-1.8099	-2.28726
WNT6	0	1.189995	-3.59467	-0.03869	-1.52893	NA	-1.6488	-3.08888
KCTD16	0	-1.86905	-2.45594	2.092686	-2.45885	-1.71896	-2.49664	-1.15953
LOH12CR:	0	-2.93289	-2.40162	-1.36922	-2.09507	-2.07972	-2.39608	-2.00825
C20orf132	0	-1.34738	-2.93556	-1.29751	-0.15228	-1.13676	-0.97272	-1.23061
PDE1B	0	-2.40201	-2.39317	-2.34277	-2.05056	-2.0539	-2.32457	-2.35441
ZNF682	0	-2.95767	-3.30182	0.500532	-1.66079	-1.46947	-2.09371	-1.75556
MSX2P1	0	-1.4547	-2.99945	-2.05396	-1.73267	-1.98811	-1.57854	-4.087
SPEF2	0	-3.50329	-4.08175	-0.62764	-1.66708	-3.52314	-2.85237	-2.10614
GRB10	0	-3.39849	-1.03414	NA	-1.72054	-2.93047	-3.25026	-2.9333
ARHGEF4	0	-1.07057	-2.61546	-0.44271	-2.36913	-1.44193	-1.85677	-3.0262
RAMP3	0	-3.05045	-2.33931	-1.7356	-2.21019	-2.19657	-1.10023	-2.8535
INPP5A	0	-2.28096	-2.82521	-2.79022	-2.44427	-2.75551	-2.7365	-2.9058
ZNF331	0	-2.1011	-2.93177	-1.07053	-1.92547	-1.3972	-2.20957	-3.02494
C11orf93	0	-2.03175	-3.15216	1.398864	-0.31516	-1.68391	0.797326	-5.61244

UG0898H	0	-2.47775	-1.91808	-0.18604	-2.37661	NA	-1.41146	-3.4069
TBX2	0	-1.64703	-2.88158	-1.17606	-2.02225	-2.15467	-1.77392	-2.58616
SVIL	0	-1.97339	-2.57975	-2.35489	-1.84039	-1.50695	-3.28656	-2.6588
SLC1A7	0	-1.67559	-1.86608	-3.12338	-1.72383	-2.30669	-1.96035	-2.09743
PTH1R	0	-0.83177	-1.65703	NA	-3.67816	-2.56804	-1.47645	-2.53502
USHBP1	0	-2.07044	-2.57796	-1.83944	-2.22409	-1.45759	-2.02384	-1.77575
CEP112	0	-3.17806	-5.13928	-2.39679	-3.09272	-3.97661	-2.90999	-2.54968
RBM20	0	-3.92526	-3.36412	-2.17681	-2.15113	-3.16862	-3.38451	-2.73113
FBLN2	0	-0.78884	-2.94536	-0.20472	-2.25987	-1.60516	-1.61961	-2.68423
LAMA4	0	-1.20549	-2.59297	-0.23843	-2.13992	-1.66022	-1.71194	-2.10231
FGFBP3	0	-2.52003	-4.55883	-2.28619	-1.09296	-1.96527	-2.37889	-2.69265
ABI2	0	-1.89348	-2.71334	-1.4168	-1.61607	-1.95282	-2.03594	-1.20339
LOC1005C	0	-1.73822	-2.66615	-0.67072	-1.424	-0.90827	-1.2316	-1.81172
EPB41L4A	0	-2.63805	-2.10468	-1.98215	-1.8014	NA	-2.23357	-2.49608
HABP4	0	-1.86016	-1.00314	-1.51225	-2.74927	-2.19401	-2.66101	-3.01372
L3MBTL4	0	-3.84779	-3.60078	-1.70818	-2.72933	-2.90379	-1.05963	-1.13818
SHISA4	0	-2.82237	-3.61992	-1.70499	-1.92772	-3.05741	-3.10875	-2.20832
RHOB	0	-1.50555	-0.63148	-2.32954	-3.28246	-2.53644	-3.22303	-2.29571
ARID5B	0	-2.21834	-4.0915	-2.35361	-1.95076	-2.04686	-2.77384	-2.21296
HEPH	0	-1.88761	-3.05059	0.192895	-2.2453	-2.40949	-2.55483	-3.21665
HOTAIR	0	-1.31465	-3.09719	0.576115	-2.2213	-1.70856	-1.77729	-2.09599
CADM1	0	-2.28077	-4.64906	-0.68426	-3.55443	-1.65756	-1.36754	-3.96272
CC2D2A	0	-1.91174	-4.08636	-1.63824	-2.54603	-2.09995	-2.37606	-1.87209
LOC33929	0	-2.82415	-2.6649	-2.01922	-1.38458	-0.43521	-1.15395	-2.65768
WASF3	0	-2.57749	-2.191	-1.79466	-2.29952	-2.41944	-2.694	-3.22555
ARHGEF1C	0	-1.92766	-2.89591	-2.51096	-1.61732	-2.74135	-2.28248	-2.65554
ISLR	0	-1.20711	-3.12888	-0.30902	-2.29728	-1.21962	-1.85387	-2.94631
USP47	0	-2.10241	-2.35586	-1.34913	-2.16125	-1.68318	-2.47849	-1.4563
GIMAP6	0	-3.73348	-3.55074	-2.76319	-1.83934	-2.67946	-2.08484	-3.43142
PRIMA1	0	-1.3341	-2.00361	-0.72938	-1.44047	-1.38586	-2.66082	-2.9118
ID2	0	-2.79957	NA	-1.8443	-1.25828	-2.93227	-2.29986	-3.99098
TXNDC16	0	-1.71298	-3.79503	-2.13943	-1.64154	-2.12152	-2.08331	-1.23792
ELTD1	0	-2.90251	-2.82721	-2.16742	-2.92712	-2.94433	-1.80426	-3.45179
CHRD	0	-1.41471	-3.329	-1.4233	-2.30131	-1.67007	-2.40232	-2.76349
LOC4006C	0	-2.52832	-3.26916	-3.04991	-2.26767	NA	-3.32954	-1.54681
FLJ26850	0	-1.91538	-3.22317	-0.41668	-2.03623	-3.44476	-3.84958	-4.20438
FAM13C	0	-4.69684	-4.20378	-0.05556	-2.76341	-0.04375	-0.05931	0.108019
ABRA	0	-2.26286	-2.67576	-0.85052	-1.53057	-1.35047	-2.02462	-3.81246
RASSF3	0	-1.53048	-2.04077	-1.80869	-2.97755	-1.77439	-2.52741	-2.45918
C16orf86	0	-2.89995	-2.62136	-1.86539	-2.06924	-1.31566	-1.73998	-1.3428
EIF3F	0	-3.49171	-1.0417	-1.59111	-2.02434	-2.11735	-1.65397	-1.20117
ROM1	0	-3.43714	-3.19795	-2.62285	-1.72794	-2.76381	-2.55608	-2.2328
CALD1	0	-1.89142	-1.48253	-0.87758	-2.57842	-1.87706	-2.88509	-2.07101
ESYT2	0	-1.71049	-1.65283	-1.13654	-1.90514	-1.70179	-2.58108	-1.84115
ZFP36L2	0	-2.29822	-2.82581	NA	-2.1521	-2.15023	-3.08316	-3.08532
SGIP1	0	-2.2861	-4.48872	-2.40433	-2.4577	-2.74171	-1.62514	-2.82812
STOX1	0	-4.02629	-3.6852	-2.4355	-0.99617	-1.17057	-3.48784	-1.34179
ZNF536	0	-1.96127	-1.19601	-0.13871	-2.58515	-1.36787	-1.94745	-4.04766
FAM43B	0	-2.61892	-3.90566	-2.6442	-2.63938	-2.80688	-3.1196	-2.8978
FMN2	0	-2.42472	-2.80126	-0.03978	-2.46287	-2.44802	NA	-3.77428
GIMAP5	0	-3.29003	-2.78682	-2.62687	-1.86108	-1.98137	-1.99949	-2.97112
SLC25A4	0	-1.49804	-3.34191	-1.4986	-1.56198	-3.56312	-0.63855	-1.02084
CD93	0	-3.21388	-3.21371	-2.38632	-2.04627	-2.5839	-2.51515	-3.56477
PRICKLE2	0	-2.07338	-0.17422	0.102323	-3.39698	-1.96711	-1.73075	-1.36621
CAPS2	0	-1.05746	-4.27255	-0.30265	-1.58596	0.065098	-1.48697	-0.59199
SNCG	0	-2.09386	-3.00253	-3.37716	-1.82216	-3.89508	-3.35439	-0.55327
STK33	0	-3.35524	-2.68566	-0.3855	-0.14429	-2.4501	-2.49602	-2.79687
STARD8	0	-2.78273	-3.07191	-2.00392	-1.97596	-2.56278	-2.68794	-2.72276

NRN1	0	-3.40899	-3.11818	-3.54594	-1.60148	NA	-3.25254	-4.24015
C1QTNF1	0	-2.10449	-2.26818	-2.25267	-2.23204	-2.19088	-2.25549	-2.54335
LOC40131	0	0.04643	-1.38464	-0.42805	-2.81847	-2.53642	-2.79506	-2.69214
FXYD6	0	-1.41221	-2.39064	-1.6575	-1.66527	-2.73337	-1.82846	0.221724
RFX2	0	-2.29795	-2.019	-2.61177	-1.62441	-3.02749	-3.64643	-3.50892
GNG7	0	-2.03336	-2.76712	-1.59397	-1.25517	-1.18724	-0.74806	-2.52485
ASPN	0	-1.52599	-3.22139	1.760718	-2.99563	-0.44643	-2.03721	-2.90316
WFDC2	0	-2.76479	-1.28778	-2.42977	0.06559	-2.96319	0.150285	-1.0166
CYP2U1	0	-1.94803	-3.39509	-1.65621	-1.9512	-2.44387	-2.07452	-1.89423
LOC20202	0	-3.3973	-2.23498	0.084122	-1.75027	-0.95568	-1.23013	-1.50919
TMEM204	0	-1.8308	-3.65966	-1.29676	-2.21553	-1.62565	-2.28152	-2.76129
GADD45G	0	-0.56051	-1.3609	-0.54588	-1.87729	-1.09105	-1.71316	-2.5328
RARA	0	-3.08462	-3.06503	-2.67773	-2.49107	-3.23363	-3.34552	-3.93326
GNL1	0	-1.11147	-2.19667	-2.06648	-1.67757	-1.63705	-1.96473	-0.95897
ZNF577	0	-2.098	-2.1948	-0.69333	-1.70653	-3.03437	-2.16859	-2.10395
LAMB2	0	-1.37765	-2.10434	-0.99376	-2.21831	-1.74869	-2.17801	-1.83947
CRY2	0	-2.38147	-3.16472	-1.67566	-1.9185	-2.17785	-2.47335	-2.26191
NFATC1	0	-2.49403	-3.18148	NA	-1.0516	-1.85061	-2.51922	-4.1038
MXRA7	0	-1.81107	-1.74624	-1.9517	-3.16371	-2.42644	-2.69679	-2.66036
NEIL1	0	-2.108	-2.97947	-1.30459	-1.86498	NA	-1.66537	-0.78127
DNM3	0	-1.90802	-1.13907	-0.77327	-3.08858	0.391399	-2.11756	-3.30004
GABRA2	0	-3.62503	-3.27079	-0.33914	-2.69572	-1.21876	-2.2492	-3.85434
PRKAG2	0	-2.27283	-0.9994	-2.48055	-1.80422	-3.27022	-1.60708	-2.36626
ZNF573	0	-3.39496	-2.03877	NA	-1.16207	-1.7044	-1.90505	-3.93556
GAB2	0	-2.02443	-3.3286	-1.60971	-2.30337	NA	-2.55649	-3.60551
LARGE	0	-1.95999	-4.22283	-1.06279	-1.92773	-1.37096	-2.45796	-4.79007
FBXL22	0	-2.54367	-2.56211	-1.52749	-1.84884	-2.26639	-3.39622	-2.58126
PCM1	0	NA	-3.22287	-2.27377	-1.60515	-1.7096	-2.34847	-1.77389
ANKAR	0	-2.65808	-4.80511	-0.66403	-0.9495	-1.36809	-1.59899	-1.0924
C6orf168	0	-1.35615	-2.98251	NA	-3.01531	-2.77853	-2.29782	-2.92502
RAB3IL1	0	-2.74543	-3.6292	-1.21397	-2.45999	-2.8038	-2.96741	-2.77393
SHANK3	0	-1.42592	-1.9872	-1.918	-1.37978	-1.10979	-1.5231	-2.79403
TGFB1I1	0	-0.66756	-0.58638	-0.91286	-2.3438	-2.32292	-2.68531	-2.1031
TDRD9	0	-2.44991	-2.15461	-0.72828	-1.53454	-2.592	-1.44388	-2.99584
FGF10	0	-4.34065	-3.83805	-0.08262	-2.61235	-2.27193	-2.5334	-4.16315
ANKRD35	0	-2.99405	-2.90858	1.07513	-0.4208	-1.87003	-1.9912	-4.89149
STON1	0	-1.09335	-4.67587	-0.91789	-1.34436	-3.53136	-1.66215	-3.14048
POM121L	0	-1.6491	-2.55982	-1.05408	-2.18364	-2.4568	-1.72286	-2.09817
SERTM1	0	-2.5804	-1.62049	NA	-1.70648	-0.4934	-2.1842	-3.97437
PTRF	0	-2.1589	-2.44729	-2.2742	-2.17679	-2.32052	-2.94668	NA
YPEL4	0	-1.32327	-2.84211	-1.90787	-2.36118	-2.15374	-0.92841	-1.7913
EMILIN1	0	-1.4398	-2.9711	-0.55127	-2.3671	-1.70542	-2.76125	-2.66739
AKAP2	0	-3.02774	-0.99159	-2.26591	-2.35429	-3.45901	-2.48709	-2.63017
PLA1A	0	-3.6406	-5.01661	-1.0335	-2.90071	-3.08849	-2.7789	-2.96063
LINC0008	0	-3.08919	-3.77099	-2.2816	NA	-1.80553	-1.29241	-0.72514
LOXL4	0	-3.28566	-4.85235	-1.83754	-1.57166	-2.62576	2.008159	-2.20942
LOC43993	0	-3.90645	-3.32139	-2.06494	-2.84826	-1.26535	-3.34169	-5.00576
ABCG2	0	-2.44289	-2.4825	-1.83756	-2.07357	-2.70314	-2.63272	-3.0449
PRKAR2B	0	-3.47658	-5.01162	-1.83435	-1.48754	-1.60771	-1.87423	-1.68001
AADAT	0	-0.76271	-3.12008	NA	-2.06509	-2.43759	-2.32844	-1.97692
BCL6	0	-2.69103	-3.88557	-2.05296	-1.41435	-1.98178	-2.39978	-2.80134
AGTR1	0	-2.73694	-2.2034	1.843088	-3.26222	-1.00868	-1.84232	-3.6277
SLC2A3	0	-1.88342	-3.01599	-3.56152	-2.98313	-4.06948	-4.43441	-4.71835
ART3	0	-4.18093	-2.03147	-2.54215	0.057211	-1.02169	-3.83571	-2.47889
RFTN2	0	-3.43866	-3.58372	-1.11638	-3.54474	-3.19715	-3.68531	-5.31537
SLMAP	0	-2.17539	-2.16196	-2.63597	-2.63059	-2.17059	-2.98801	-1.76915
AMT	0	-0.46352	-0.99175	-0.07816	-1.47044	-0.28365	NA	0.27231
TTC18	0	-2.19164	-3.86422	0.068341	-0.88874	-2.04599	-2.83055	-0.31448

CCDC136	0	-2.64537	-3.46368	-2.14319	-2.41304	-2.67261	-2.35242	-3.79484
C11orf92	0	-2.93679	-4.22858	-0.60073	-1.47373	-2.96394	-0.94757	-3.6044
CXXC4	0	-3.18949	-3.45129	-0.7957	-3.05768	-2.15288	-2.79361	-2.35839
SHC2	0	-1.80344	-3.86212	0.295228	-1.74857	-1.5844	-1.93063	-3.28286
BMP4	0	-4.77596	-2.10787	-2.87971	-3.21218	-3.21028	-3.31407	-4.48133
MYO15B	0	-1.22682	-2.37973	-1.30451	-1.07047	-0.9618	-1.24515	-2.17673
LOC1005C	0	-1.05538	-1.87328	-0.73446	-2.134	-1.06985	-1.22682	-0.83742
DNAH7	0	-3.87364	-3.28136	-1.86243	-2.24969	-2.61356	-3.39458	-2.98884
HAPLN2	0	-2.64005	-1.83754	-2.17181	-2.05879	-2.99461	-2.70033	-2.72535
AXL	0	-1.785	-0.93841	-2.4672	-2.309	-2.74001	-3.664	-2.13373
DIRAS3	0	-4.81123	-3.47728	-1.81302	-4.03407	-2.07784	-2.62	-4.09994
TRAF5	0	-2.63843	-2.97882	-0.66095	-1.37841	-1.68596	-2.24829	-1.67355
ACADSB	0	-2.86576	-4.12519	-1.25924	-1.57906	-1.63319	-1.40837	-1.32755
PRDM6	0	-2.51162	-3.37197	-0.32536	-1.02354	-0.52008	-2.00771	-2.41125
DOK5	0	-3.98216	-4.51958	-0.94368	-3.52807	-1.96799	-3.09914	-4.22033
SEMA6D	0	-1.76337	-4.67742	0.683933	-0.7772	0.161043	-1.14071	-3.66553
ICA1	0	-2.7603	-3.83327	-1.95311	-1.68844	-2.36832	-0.77512	-2.45495
PIP5K1B	0	-3.9982	-3.59769	-1.99862	-2.21062	NA	-0.46934	-5.23058
NLGN3	0	-3.59062	-3.07595	-2.61415	-2.21186	-2.23755	-3.95343	-4.26941
CIRBP	0	-2.03427	-2.24214	-1.43509	-1.769	-1.94579	-2.17873	-2.46899
ZNF347	0	-3.18798	-3.89853	-1.1207	-2.03114	-1.39925	-1.61205	-2.77023
RNF175	0	-2.42404	-3.49997	0.011478	-2.58783	-1.56934	-1.2109	-2.20027
AMPH	0	-1.70477	-2.83641	0.513769	-3.5769	-2.97275	-2.66411	-2.85481
EFHB	0	-3.10557	-2.74516	-0.95677	-2.65087	-2.08217	-2.45893	-4.2535
CCDC146	0	-1.44355	-1.83772	-0.89922	-1.73317	-0.75089	-0.69045	-1.8231
TSPAN18	0	-2.16781	-3.21852	-1.37391	-1.34252	-2.0748	-1.13005	-3.00677
PYGO1	0	-2.68505	-3.62229	0.722641	-3.25553	-1.76601	-1.65152	-1.11697
GPR116	0	-2.53824	-2.15716	-2.00216	-2.34505	NA	NA	-2.50801
GJC3	0	-3.23895	-2.563	NA	-3.24742	-2.30046	-2.62773	-4.77542
ANGPTL5	0	-2.4466	-1.49169	-0.12756	-2.74511	-0.70319	-1.09967	-3.51287
RHOJ	0	-2.9628	-3.53678	-2.83467	-2.84352	-2.97065	-2.63045	-3.65081
LMF1	0	-1.70883	-3.50035	-1.52033	-1.74303	-1.25985	-2.26653	-2.07064
PDE4D	0	-2.49782	-2.4763	-3.59012	-3.73925	-4.25127	-4.07143	-2.41242
CNKSR3	0	-1.5409	-5.26561	-2.88784	-1.23096	-3.03838	-2.34237	-4.36676
C5orf56	0	-3.3019	-2.51375	-1.7094	-1.13831	NA	NA	-1.97967
DLC1	0	-2.11949	-3.3043	-1.89284	-2.19009	-3.07664	-2.03552	-2.71553
FAM165B	0	-1.68245	-2.67383	-1.74401	-1.45715	-2.66513	-1.82032	-1.92791
FSTL1	0	-2.05246	-2.69845	0.053288	-2.47872	-1.86765	-2.41441	-0.79244
C3orf14	0	-2.40824	-2.61709	-1.63945	-2.76514	-2.63274	-2.75646	-0.88338
BOC	0	-2.31493	-3.33733	-0.50716	-2.11845	-0.92608	-2.00588	-3.02384
HDX	0	-4.20218	-3.71259	-1.32928	-2.64782	-2.39917	-2.41699	-4.28912
HMGN5	0	-4.28066	-4.61122	-1.4049	-1.51352	-2.20857	-1.82514	-0.85341
KLHL23	0	-4.67788	-4.83895	-2.37702	-0.91112	-2.91431	-1.18849	-0.3899
ZDHHC11	0	-2.53262	-5.02601	-0.70948	0.854813	-2.47627	1.534714	-5.21319
CHL1	0	-4.50466	-4.22492	-2.40879	-3.11617	-4.01418	-4.4067	-4.8621
ZAK	0	-1.91882	-2.01598	-2.72134	-2.70891	-2.91761	-3.3417	-1.64954
SLC30A3	0	-1.28154	-2.66414	-3.22943	-1.14767	-1.84399	-3.19417	-2.77592
MYLPF	0	1.13937	-3.08634	-2.3539	NA	-3.36623	-3.79453	-4.24202
ACTN2	0	-3.86654	-3.2256	NA	-2.44686	NA	-2.55878	-3.5554
HOXD13	0	-3.09111	-4.65494	-2.36212	-1.18703	-3.39664	-1.90628	-0.36423
LRRTM1	0	-3.59059	-3.1529	-2.18529	-2.85333	-3.02976	-2.78982	-3.31229
NLGN4X	0	-4.52916	-3.98231	-3.31075	-2.36118	-1.88445	-2.81918	-5.85027
MIA	0	-2.50463	-0.22274	-3.23227	-2.78692	-3.15943	-3.04691	-1.26572
MAPRE2	0	-3.08694	-2.1591	-1.28982	-2.3307	-2.35776	-2.39537	-3.28467
C5orf41	0	-1.71139	-2.05506	-0.59385	-1.57977	-1.04754	-1.91916	-2.12377
MAMLD1	0	-1.82109	-2.45638	-3.19339	-1.87388	-2.40025	-3.42066	-2.05021
FGL2	0	-3.65355	-3.29396	-1.27409	-2.45357	-1.33328	-1.98286	-2.76853
MCF2L-A ^s	0	-3.082	-3.68081	-3.01515	-1.1271	-4.02709	-0.69417	-4.20264

CYP3A7	0	-7.10013	-4.17852	0.47807	-2.89297	-3.72365	0.287762	-3.74666
ZNF649	0	-3.52186	-4.68323	-1.96019	-3.5396	NA	-2.94676	-3.366
ABCC9	0	-2.65523	-3.23399	-1.11187	-2.39571	-1.39895	-2.01918	-2.1586
PHACTR3	0	-1.90914	-3.84144	-0.31682	-2.16449	-3.76962	-4.17247	-3.26874
ZNF850	0	-4.54304	-4.03858	-1.5184	-2.37229	-2.55024	-2.94615	-4.78402
IL11RA	0	-1.41593	-1.67675	-1.22527	-2.44636	-1.65149	-1.41727	-1.82114
EFEMP1	0	-1.85665	-3.98313	-3.31998	-1.28705	-4.61715	-2.47963	-1.29524
LPPR4	0	-1.70234	-4.22554	-2.10333	-2.25031	-3.15994	-2.22324	-5.60699
MYCN	0	-3.54934	-4.9392	-3.21182	-1.54862	-4.37288	-1.73983	-2.93454
KIT	0	-2.51857	-4.91126	-1.16002	-2.818	-3.3961	-0.377	-4.37817
ATP8B2	0	-1.05481	-3.57397	-0.44114	-2.09885	-1.19895	-1.10762	-2.18612
PROS1	0	-1.10769	-4.36524	0.138676	-0.84851	-2.30707	-1.86054	-4.02154
NR4A2	0	-2.21268	-3.31244	-1.95961	-3.6173	-1.89544	-2.82692	-3.13803
C14orf37	0	-1.59858	-3.81971	0.923669	-3.51201	-1.76044	-3.04967	-3.18409
TMEM38A	0	NA	-1.90421	-2.69432	-1.54493	-3.39403	-0.89898	-2.8967
TMEM170	0	-3.18409	-4.116	-1.74387	-1.78612	-2.03437	-3.02552	-3.4535
AP1S2	0	-2.81787	-2.30156	-1.91824	-2.35505	-2.70979	-2.58592	-3.46511
LRRC48	0	-2.25161	-2.40753	-1.08393	-2.39603	-2.25589	-2.02791	-1.12859
DDAH2	0	-2.76384	-3.07429	-1.69617	-2.00189	-2.57946	-2.35212	-2.22363
CA8	0	-3.99268	-3.58145	-2.30831	-2.99391	-2.8155	-2.47735	-2.76596
ANK2	0	-2.90066	-3.26631	-2.05215	-2.23862	NA	-3.60404	-4.66768
FBXL13	0	-1.49588	-2.285	-1.03562	-2.91301	-2.66225	-2.12318	-2.22375
CYB5R3	0	-3.15259	-2.75146	-2.33243	-2.78606	-2.56673	-3.35001	-3.56638
DTNA	0	-3.09402	-3.03733	-1.43502	-2.41823	-3.22555	-3.0403	-3.47175
NHS	0	-1.39479	-2.10424	-2.14531	-2.16847	-2.43933	-2.41012	-2.84206
SVEP1	0	-2.90885	-1.28944	-3.14944	NA	-3.36732	-3.15726	-3.90683
TMSB15B	0	-3.4225	-1.17999	-1.11511	-3.9974	-2.00653	-2.98245	-2.02994
NPPC	0	-4.72504	-4.53299	-3.84653	-2.56403	-4.39522	-4.89019	-3.04282
CAP2	0	-1.40738	-1.70506	-1.6285	-2.59524	-1.43492	-2.4979	-1.55426
NES	0	-0.6762	-2.33449	-1.86628	-2.6796	NA	-2.92569	-2.38881
GIMAP4	0	-3.93774	-3.71731	-2.76284	-2.0855	-2.28611	-2.39309	-3.75049
COL14A1	0	-2.844	-3.38282	-0.79588	-2.23116	-2.38722	-2.78184	-3.548
KBTBD11	0	-2.02105	-5.36044	-2.79716	-1.39153	-2.89643	-3.17661	-4.0278
TMEM200	0	-3.3419	-1.28401	-0.9886	-2.90705	-3.79139	-3.50341	-2.51971
MYCT1	0	-2.9479	-3.13173	-2.67433	-2.54633	-3.09226	-2.52141	-2.96802
POM121L	0	NA	-3.36364	-1.63541	-2.53648	-2.6734	-2.60603	-2.69094
GPRASP2	0	-3.26608	-3.82757	-0.98073	-2.73843	-1.68925	-1.76355	-1.20703
QRFRP	0	-5.0685	-4.69728	-3.09734	-3.66705	-3.77632	-1.99399	-1.34348
RAMP2	0	-3.29162	-2.82157	-2.376	-2.4951	-2.80803	-2.95216	-2.35611
MTA3	0	NA	-3.74103	-2.0792	-2.55815	-1.99715	-2.82379	-1.88665
C14orf49	0	-2.11031	-1.73855	-2.46829	-3.26386	-3.11594	-3.20882	-4.42942
RARRES1	0	-4.04959	-2.29823	-2.98045	-2.81141	-2.98866	-2.82563	-3.09685
COL6A2	0	-1.39775	-3.27047	0.153986	-3.25036	-1.86857	-2.30851	-3.48232
MRAS	0	-2.57123	-3.9244	-0.42645	-2.00792	-2.2766	-2.83483	-1.44305
UBXN10	0	-4.98901	-0.70541	-1.54485	-1.62396	-2.45344	-2.96343	-0.22291
KIAA1755	0	-0.91894	-2.26663	-0.42861	-1.79278	-1.53178	-2.21698	-2.16623
ZNF568	0	-3.78066	-4.80698	-1.34414	-2.75736	-2.32074	-2.18947	-3.88718
PPAP2A	0	-1.55738	-2.46303	0.09036	-2.85051	-1.97758	-1.7812	-1.89373
S100B	0	-2.71775	-3.71701	-1.96439	-1.75784	-1.78712	-3.56488	-2.34418
BBIP1	0	-3.67845	-4.29008	-3.44945	-1.72973	-3.74557	-3.90763	-3.65868
EYA2	0	-2.90823	-5.54396	-0.50728	-0.52833	-2.50799	-1.97455	-2.35537
CACNA1H	0	-1.80605	-2.11204	-2.32405	-1.96697	-1.91989	-2.47683	-2.61061
MAPK10	0	-2.94198	-2.91621	-0.04662	-2.86161	-0.92268	-1.47114	-3.17664
CD300LG	0	-1.95342	-1.98511	-0.05029	-3.90765	-1.31775	-0.82233	-3.36692
SMARCA1	0	-1.98975	-4.42144	-0.76635	-1.24737	-2.27599	-2.45714	0.328703
SSTR2	0	-2.82699	-2.63688	-1.75655	NA	-2.5065	-1.84885	-2.16262
CASP12	0	-3.66461	-3.16974	-1.39178	-1.81991	-2.67274	-3.06016	-4.76043
C3orf39	0	-3.35969	-2.97385	-2.63769	-1.7694	-2.94479	-3.42707	-2.15819

GGT5	0	-1.83196	-3.04281	-1.91685	-2.26865	-2.36697	-1.9589	-3.4931
CCDC30	0	-4.23674	-4.21501	-1.01845	-2.41864	-1.44761	-2.0327	-4.52591
MYL4	0	-3.45938	-3.98001	-3.33835	-2.51629	-3.96171	-4.4181	-3.60866
BTNL9	0	-2.20576	-0.95557	-0.13053	-3.09029	-1.88029	-2.25702	-3.9111
RGS9	0	-3.32936	-3.74574	-2.12151	-1.99808	-1.67529	-1.47323	-2.8021
SCN2B	0	0.670341	-1.37224	-1.81631	-2.1767	-2.02035	-1.36022	0.650836
PHF21B	0	-3.84634	-3.27916	-1.65043	-2.84658	-2.72317	-3.34056	-4.91915
FLI1	0	-3.17525	-3.70592	-1.39317	-2.37587	-2.16184	-1.31584	-1.20659
LOC1005C	0	-2.62819	-2.14859	-2.18817	-0.56497	-1.53738	-1.97379	-1.32363
GHR	0	-2.0687	-2.87058	-0.46073	-2.2956	-3.18882	-0.96902	-4.5261
LOC1005C	0	-4.13779	-4.41283	-3.41249	-1.83235	-3.03276	-2.65731	-3.44421
DYNLRB2	0	-2.61712	-4.51791	-1.72977	-2.11051	-0.84697	-2.24644	-4.1009
TLN2	0	-2.8562	-1.62398	-1.08595	-2.27077	-1.92975	-1.71444	-2.58408
SPDYE5	0	-2.38996	-3.6814	-2.13869	-1.81694	-2.86157	-2.61917	-2.48825
PODN	0	-2.63086	-2.98736	1.110838	-3.65552	-0.52154	-2.47981	-2.22828
LOC7301C	0	-2.43469	-3.24573	-0.73923	-2.97935	-1.3725	-0.54098	0.673326
LMO2	0	-3.46435	-3.87591	-2.16314	-1.19456	-1.63538	-1.21593	-2.20446
SPRY2	0	-3.26348	-1.48995	-2.17651	-3.45685	-1.9038	-3.28373	-4.71757
PHF17	0	-2.75075	-5.06641	-1.51984	-1.41006	-2.34878	-1.89435	-0.67925
PRRX2	0	-3.11001	NA	-2.08937	-1.55859	-2.81646	-2.94935	-4.2164
LRRC4C	0	-3.33926	-3.17747	-0.07704	-2.85552	-3.02613	-3.29964	-4.71571
TCF7L1	0	-1.28063	-1.25808	-2.37761	-2.51238	-1.90748	-2.91173	-2.67818
KCNJ8	0	-2.60294	-3.64769	-1.24995	-2.47602	-1.65459	NA	-2.99083
DDAH1	0	-3.53406	-3.62718	-2.25336	-2.26362	-2.93772	-3.12799	-1.6219
PPFIA2	0	-3.96428	-3.45746	-1.31392	-2.92564	-3.1225	-3.55618	-3.86363
GARNL3	0	-1.76498	-1.93547	-2.09004	-2.41974	-1.44825	-1.6924	-3.07816
SOX10	0	-2.22922	-2.30901	-1.66509	-3.52379	-2.77846	-3.07718	-2.96276
DST	0	-2.60863	-3.07345	-0.63085	-2.95003	-1.32244	-2.82209	-2.4035
FAM184A	0	-1.91488	-3.79624	-2.39299	-2.23848	-2.18682	-2.67635	-1.56889
CYP3A5	0	-6.06785	-3.74048	0.795331	-3.0466	-3.40403	0.535364	-4.35142
ZNF25	0	-2.90724	-3.58151	NA	-2.2054	-2.26288	-3.13721	-3.26342
C8orf34	0	-3.26038	-2.46166	-3.01594	-2.90194	-4.09177	-4.47868	-4.35635
STON1-G	0	-5.50207	-5.12014	-0.25981	-2.0648	NA	-2.10942	-4.514
NCRNA00	0	-3.77634	-2.53377	-1.76659	-1.45782	-2.77246	-0.32	-3.99621
LDB2	0	-2.48283	-2.95571	-1.93	-2.59247	-2.08926	-1.94591	-2.54935
LOC1005C	0	-3.50053	-3.03273	-1.55149	-2.70928	-2.38368	-2.99982	-0.0996
TMPRSS5	0	-1.81298	-0.96066	-1.63362	-1.71827	-2.37847	-1.47378	-2.26654
TMX4	0	-2.10061	-2.53602	NA	-2.58289	-2.24081	-2.27275	NA
LRP1B	0	-3.57766	-3.00126	-1.57837	-2.88237	-2.33563	-2.61397	-4.52987
USP51	0	-1.90285	-5.92783	-0.87927	-2.57089	-2.10483	NA	-0.99782
PCSK5	0	-1.06701	-4.24031	0.282323	-1.67442	-1.47653	-0.46811	-3.37035
HBA1	0	-0.90796	-2.99418	-2.2537	-2.47233	-2.58806	-2.98937	-3.03609
LRRFIP1	0	-1.99667	-1.7752	-1.51201	-2.63117	-1.87402	-2.67295	-2.72053
AMY1C	0	-3.71152	-2.95309	-1.1391	-1.23218	-1.5645	-2.7781	-3.51088
DSTN	0	-2.89239	-3.01461	-1.78948	-2.34042	-2.38817	-3.66421	-3.5182
SLC14A2	0	-3.82055	-2.67284	NA	-3.23729	-1.98592	-2.38815	-4.32868
2-Mar	0	-3.61025	-5.28499	-2.7086	-2.28002	-2.95121	-1.63486	-0.32728
IGFBPL1	0	-3.2094	-3.58453	-3.85193	-2.00909	-2.64787	-3.3271	-3.24626
N4BP2L1	0	-3.3842	-4.86031	-1.68989	-2.03721	-2.24122	-1.46897	-1.77918
PVRL3	0	-3.65104	-0.17222	-2.43123	-4.33345	-4.76349	-4.89359	-3.63156
FOXC1	0	-1.93014	-2.94665	-2.45686	-2.0978	-3.17707	-2.25395	-4.11043
SCG2	0	-4.11881	-3.69803	0.620726	-3.76273	-2.97784	-3.4103	-5.05712
HBA2	0	-0.88241	-3.02412	-2.08354	-2.55612	-2.43432	-2.87165	-3.00084
FZD3	0	-3.25928	-1.72898	-1.06977	-2.52082	-2.51634	-2.39022	-2.54841
BMP5	0	-1.26403	NA	1.122058	-3.31948	-1.36649	-1.40014	-2.4541
SH3BGR	0	-2.88845	-3.93938	-2.20116	-2.46807	-2.8414	-2.27743	-1.94685
KLHL29	0	-1.828	-3.97346	-2.08657	-2.2877	-2.73547	-1.67074	-0.84816
ADAMTS5	0	-2.50942	-2.0668	-0.37337	-3.31251	-1.77314	-1.61483	-1.588

MIR497HC	0	-2.9968	-3.29811	-1.74446	-2.53766	-2.05825	-3.06989	-2.68389
LOC64373	0	-3.14127	-3.57894	-1.68395	-1.33024	-2.30633	-1.5495	-2.61861
GFRA3	0	-1.97448	-2.16368	-2.97481	-2.39172	-3.53297	-2.89129	-2.08617
NR1D1	0	-1.98538	-2.74125	-3.06507	-2.72836	-3.00334	-3.76584	-3.43691
RARRES2	0	-1.16089	-4.10677	-1.49728	-1.91017	-0.98202	-2.05803	-3.22153
LOC40143	0	-2.11684	-4.21179	-2.93332	-1.67293	-2.81256	-1.87147	-3.137
C1QTNF2	0	-2.96151	-3.80885	-2.04204	-2.22062	-1.8817	-2.46748	-1.81496
SPDYE1	0	-3.26521	-3.20762	-2.04022	-2.44629	-3.35172	-2.37608	-2.51179
PRX	0	-1.23804	-2.3219	-2.84531	-1.88057	-2.62341	-2.50926	-1.94901
GPM6B	0	-2.59917	NA	-1.10206	-3.00622	-2.4039	-2.12676	-3.42207
ZNF366	0	-4.27438	-4.12252	NA	-2.56743	-3.12608	-2.54319	-4.14423
SIX1	0	-2.06413	-2.27238	-0.98516	-0.92621	-2.40794	-1.74077	-0.74405
C15orf59	0	-1.46202	-3.60272	-1.12914	-0.79117	-3.16387	-2.25029	-3.00847
ADAMTS9	0	-2.42507	-2.99242	NA	-1.94134	-1.79117	-2.4839	-1.79782
CLIP3	0	-1.70376	-2.7528	-0.8849	-2.1936	-1.96939	-2.07384	-3.57399
CRTAP	0	-2.61995	-2.94643	-2.24553	-2.6114	-3.66537	-3.56362	-4.00898
MAB21L1	0	-3.87443	-1.83351	NA	-2.21945	-3.08968	NA	-3.98236
EXD3	0	-0.84783	-2.02477	-0.72667	-2.27838	-2.28762	-2.09951	-2.73438
RASGRP2	0	-3.02682	-4.14515	-2.4732	-1.20608	-1.39303	-1.51599	-3.65038
FP588	0	-3.5009	-3.11681	-1.58635	-2.15161	-1.8804	-1.94669	-3.70351
IPW	0	-3.91652	-0.78811	-0.75417	-1.70525	-1.70379	-2.13468	-4.0074
ZNF540	0	-2.78696	-2.28728	0.352135	-2.51513	-2.09325	-1.50622	-4.21336
PGCP	0	-0.97753	-2.14035	0.683167	-3.92951	-1.24656	-2.12602	-3.85323
CHPT1	0	-2.85714	-5.91118	-1.85233	-2.00224	-3.30648	-2.86222	-1.95644
FIGN	0	0.080491	-3.21398	-1.2623	-3.50932	-2.401	0.244131	0.209293
ITGB3	0	-2.70914	-2.47992	-0.58115	-2.41281	-4.01004	-3.07643	-1.80077
EDNRA	0	-2.96672	-2.25704	-0.83106	-4.21452	-2.99502	-2.80488	-2.34474
GADD45B	0	-2.74745	-3.84466	NA	-3.64233	-3.23838	-4.12976	-4.59558
ALDH1B1	0	-2.8046	-2.15726	-2.53962	-3.30033	-2.94888	-3.61379	-3.09349
PARD3B	0	-2.36311	-3.52049	-1.73034	-2.60099	-1.05307	-2.28014	-3.12447
NTN1	0	-1.81903	-3.78391	-2.81854	-2.26545	-2.07701	-2.7034	-3.70939
GEM	0	-2.0553	-1.56799	NA	-2.99723	-2.93622	-2.1092	-4.37444
CALHM2	0	-1.17877	NA	-0.94362	-2.44487	-2.48306	-1.86823	-2.7161
NOV	0	-2.54812	-3.92628	-3.87156	-1.26392	-4.14117	-4.26817	-4.61983
FLJ42875	0	-2.36977	-2.84084	-2.41887	-2.01466	-2.23646	-3.42359	-3.40877
NFIX	0	-1.86747	-2.30772	NA	-2.56974	-1.24907	-1.01416	-3.12945
MAP6	0	-3.12025	-3.65119	-1.82642	-2.11351	-2.49275	-2.8365	-3.09178
EID2B	0	-4.29849	-3.24578	-2.09801	-1.90695	-2.64062	-3.50139	-2.87977
SALL1	0	-3.34773	-4.03462	NA	-3.11354	-3.0092	-1.76584	-3.99767
CP	0	-4.79231	-5.94005	-1.67864	-2.16606	-4.02654	-4.05199	-5.56021
PAQR8	0	-4.2095	-3.36262	-3.02331	-2.10512	-2.78881	-2.6289	-2.27304
TRPM3	0	-3.21752	-3.01142	-1.15209	-2.92941	-2.7236	-2.96084	-2.7446
CCDC74B	0	-2.29683	-3.48489	-1.21531	-2.13005	-2.27946	-2.42862	-2.68061
GIMAP7	0	-3.98586	-3.99683	-2.31672	-1.95039	-1.85948	-1.54613	-3.07448
C17orf108	0	-3.16893	-2.9194	-1.26711	-2.28694	-2.16588	-2.49611	-2.5878
ASRGL1	0	-4.72328	-4.93294	-3.71503	-2.21194	-4.18265	-3.06079	-3.44155
GLIPR2	0	-3.05794	-2.95148	-1.63637	-2.33335	-2.91124	-2.96314	-3.15899
UTRN	0	-3.32453	-3.96353	-1.74953	-1.92163	-2.20027	-2.05811	-2.42102
RBM11	0	-2.53426	-3.40038	NA	-3.08738	-2.80277	-2.43868	-4.53035
VSTM4	0	-2.22131	-4.89581	-1.22012	-3.04485	-2.75265	-2.47184	-4.73786
PRKCB	0	-4.10725	-4.60118	-2.75915	-1.02441	-1.64986	-2.13297	-3.84495
NPDC1	0	-2.10814	-3.39381	-1.2651	-2.20073	-1.49111	-1.81031	-3.2303
SELM	0	-2.57201	-3.18837	-1.49149	-2.32374	-2.35421	-2.81554	-2.48404
ICA1L	0	-2.97001	-2.52543	-0.62609	-2.5594	-1.69607	-2.74852	-1.74067
AK5	0	-0.77948	-3.91345	0.523122	-4.84721	-3.05246	-4.40544	-2.98363
RBFOX3	0	-2.54239	-2.52817	-1.54724	-1.74201	-2.2604	-3.34338	-3.09194
SLC27A6	0	-3.52148	-3.37487	-2.03572	-2.73598	-2.73255	-3.03587	-4.97604
CIDEA	0	-1.27881	-1.17659	-1.81642	-4.27059	-3.22239	-1.86273	-0.76378

LHFP	0	-2.6717	-3.56504	-2.12527	-2.76782	-2.84602	-2.76004	-3.05844
DACH1	0	-4.52246	-3.9204	-2.95177	-3.46911	-4.328	-2.58662	-4.47516
ACVRL1	0	-2.58837	-2.95454	-1.78974	-2.53734	-2.5705	-2.15169	-3.30842
PLAT	0	-3.41176	-4.56982	-3.96786	-2.74714	-4.2191	-0.64314	-4.55314
C9orf174	0	-2.58034	-3.7597	-0.40023	-1.32961	-1.70564	-0.56894	-2.56223
ZNF818P	0	-4.2244	-5.21587	-2.40832	-1.53996	-1.27318	-2.66828	-4.04069
THSD4	0	-3.4099	-2.3493	-2.17999	-1.55787	-2.77594	NA	-2.83228
KLF12	0	-1.27288	-4.79301	-0.99279	-2.18856	-2.36215	-2.26584	-3.8866
SAMD4A	0	-2.18097	-1.25387	-1.69629	-2.62025	-3.02186	-3.53622	-3.31451
ST7-AS1	0	-2.93458	-2.42726	-1.86529	-2.79798	-1.74454	-2.91879	-1.86684
FAM155A	0	-3.65696	-5.61578	-0.5855	-3.78555	-2.83008	-3.39149	-4.38033
ANG	0	-2.02352	-2.42614	-2.55348	-2.97774	-3.08216	-2.86109	-3.62762
HOXB13	0	-4.46965	-2.40494	-2.98895	-3.5675	-0.66794	-3.90467	-0.55271
PKD1L2	0	-3.67803	-3.28176	-1.55967	-2.62379	-2.6476	-3.06624	-4.63808
TCEAL6	0	-2.37261	-1.65579	-0.87694	-3.49556	-1.43713	-2.50757	-1.41748
MRAP2	0	-4.56472	-4.31989	-2.39242	-2.92073	0.745855	-1.31596	-2.5089
LRRRC10B	0	-4.38874	-4.8404	-0.11811	-4.04877	-0.04122	-0.09856	-2.17632
SYT11	0	-2.30171	-3.07144	-0.4578	-2.86459	-1.67975	-1.97269	-3.07066
ENPP6	0	-3.01826	-2.59846	-0.07625	-3.4632	-1.69032	-2.70512	-3.78462
FGD5	0	-2.72975	-3.4808	-2.21248	-2.50714	-2.76735	-2.21688	-3.13187
TGFBR2	0	-3.06854	-2.27519	-1.75168	-3.20961	-2.81747	-3.05443	-3.022
RASL11B	0	-2.4947	-2.26378	-2.92548	-1.53354	-3.67995	-2.65168	-2.35727
HCG23	0	-4.2436	-3.79278	-2.14184	-3.10493	-3.10209	-3.08794	-4.83878
NR4A3	0	-2.31823	-2.93043	-1.07693	-1.93639	-1.8514	-2.98759	-4.26054
FMOD	0	-2.64749	-4.46386	-1.244	-1.97665	-2.42204	-2.20349	-4.69635
RBP4	0	-3.4631	-3.07876	0.532903	-3.15885	-3.35954	-2.75016	NA
LOC38903	0	-2.77668	-3.06276	-2.99618	-1.90308	-3.49221	-3.4534	-3.39669
MFAP5	0	-1.75231	-3.18071	-0.8068	-4.54932	-3.82583	-5.92286	-4.22611
BHMT2	0	-3.6802	-4.1514	-1.38646	-2.38824	-3.14036	-3.13157	-1.71962
CES1	0	-3.3394	-3.26474	-2.80285	-2.44252	-2.69137	-3.16346	-3.99193
CHRM3	0	-4.81912	-4.31082	-0.38004	-3.18919	-3.49069	-2.93571	-5.60955
NUDT9P1	0	-3.30113	-4.4962	-2.589	-1.86628	-2.37063	-2.54017	-2.11658
PCGF5	0	-3.33004	-3.76463	-2.10816	-1.72783	-2.21276	-1.89203	-1.73408
GSTM2	0	-2.53465	-3.49593	-1.06289	-2.06752	-1.1572	-1.05828	-2.87987
AKT3	0	-1.76631	-3.46756	-1.84208	-3.44527	-2.89247	-2.88546	-2.92147
OMD	0	-3.02278	-2.71524	-0.65183	-3.77602	-1.51346	-1.61242	-3.62338
PRR15	0	-3.15227	-2.3395	-2.91403	-3.38379	-4.60837	-5.17964	-3.76318
ITIH4	0	-2.86461	-3.5082	-1.50518	-1.50282	-1.13655	-1.73147	-1.95639
TRAF3IP2-	0	-3.05212	-4.21659	-1.89328	-2.38967	-2.71168	-2.50662	-2.5962
SULT1E1	0	-0.45585	-0.45774	-2.67689	-0.2358	-3.48238	-0.69411	-5.52937
FIBIN	0	-2.73537	-3.47301	-0.54157	-2.94377	-2.69242	-2.49164	-3.34222
GAL3ST1	0	-2.49938	-3.02346	-3.51117	-2.56705	-3.46003	-2.97736	-2.23277
MAP9	0	-4.0073	-5.21964	-1.63051	-2.70751	-3.91618	-4.30299	-4.9346
LRRRC70	0	-2.62004	-3.60981	-2.60172	-2.46012	-2.98453	-2.69118	-2.81706
GIMAP8	0	-4.02861	-3.63123	-3.00533	-2.11604	-2.55243	-2.26805	-3.53457
SAMD11	0	-2.99334	-3.63025	-1.37411	-2.04805	-3.32599	-2.86142	-3.81975
NACAD	0	NA	-0.08526	-1.46514	-3.04806	-3.46938	-2.8476	-3.25772
NTN4	0	-2.73803	-2.13523	-1.23567	-2.70678	-2.23947	-1.9127	-1.45
LCN6	0	-2.68748	-1.97366	-0.32739	-3.35386	-2.0587	-2.17303	-4.06353
CCDC110	0	-3.92564	-3.50612	-1.8076	-3.23531	-3.06443	-3.27983	-2.69731
NEDD9	0	-2.54516	-2.88123	-2.63916	-3.34214	-3.22124	-3.38021	-4.22365
C6orf204	0	-2.61926	-2.6876	-1.47193	-2.10338	-2.07974	-2.12143	-3.08115
LOC10012	0	-4.82369	-4.44984	-2.42401	-2.97743	-3.36246	-3.22573	0.171265
PDE9A	0	-1.42544	-3.61309	-0.19674	-1.92033	-2.8302	-1.11132	-3.16565
PPM1L	0	-3.83265	-3.67688	0.070241	-3.58832	NA	-2.97511	-4.53799
MGAT3	0	-4.08218	-6.18193	-3.56478	-1.3225	-3.04006	-1.43546	-4.13624
EDIL3	0	-2.84026	-2.75135	NA	-3.76635	-2.04793	NA	-4.01453
PER1	0	-0.64133	-1.39453	-2.17989	-3.07004	-1.9541	-3.47456	-1.89653

HPR	0	-2.55949	-2.01361	-0.88766	-3.66848	-1.5532	-2.91974	-3.93544
OLFML3	0	-1.5285	-3.07886	0.992247	-3.56682	-1.39516	-2.2219	-3.2299
RPRML	0	-3.07473	-3.55481	-1.9397	-2.27535	-2.88667	-3.53107	-5.19785
RIMS4	0	-2.66444	-2.81258	-1.61317	-2.06154	-3.61267	-4.01969	-1.26126
SPRY1	0	-3.45446	-3.36518	-3.31203	-2.83726	-3.19364	-3.35691	-4.09936
WDFY3-A	0	-2.37978	-3.80607	-1.52328	-2.09604	-3.13727	-3.26696	-1.46304
LOXL1	0	-0.8316	-4.29212	-0.12308	-2.74894	-1.06574	-1.89792	-3.35924
C6orf225	0	-2.60501	-3.52109	-0.28916	-2.2284	-2.4459	-3.00263	-1.70569
CDR1	0	NA	-4.2086	-1.05037	-2.57529	-2.57699	-3.07146	-3.87371
S100A4	0	-2.00083	-2.85234	-1.52398	-2.41913	-1.83693	-1.78105	-2.6722
GUCY1A3	0	-1.75159	-4.16588	-1.1724	NA	-2.52887	-3.03425	-3.80938
GIMAP1	0	-3.77256	-3.4326	-2.61219	-2.12224	-2.39506	-1.86305	-3.60439
MCAM	0	-2.31333	-3.08232	-2.56417	-2.41277	-2.17247	-2.69501	-2.38401
ITPR1	0	-4.79717	-2.37109	-2.01487	-1.94048	-1.80269	-3.22185	-1.97465
STXBP6	0	-2.90489	-4.48974	-1.18871	-2.45829	-4.71179	-0.16186	-5.00021
KHDRBS3	0	-2.12939	-2.87201	-2.28811	-3.11888	-2.45854	-2.70797	-3.35168
ZC3H6	0	-2.89437	-2.77503	-1.00506	-1.95314	-2.29523	-2.864	-2.68174
TCEAL3	0	-2.40939	-1.7017	-0.89785	-3.51012	-1.54477	-2.55924	-1.49028
MEOX1	0	-2.82849	-0.90432	-3.96447	-2.58085	-2.43392	-1.53652	-3.7814
RNF180	0	-3.68669	-4.93268	-1.8643	-2.99803	-1.80795	-3.03827	-3.41631
SLC9A9	0	-4.81973	-5.39344	-1.49561	-2.66694	-1.43269	-2.6232	-5.45918
C18orf1	0	-3.69838	-5.74483	-0.67594	-2.45364	-0.92194	-3.02887	-4.93872
TTC28	0	-2.86836	-3.46124	-1.59303	-2.06506	-2.75322	-2.37889	-2.53951
RPL23AP3	0	-1.10349	-2.69513	-0.04817	-1.19825	-0.36807	-1.22313	0.102246
SHE	0	-4.40238	-4.76141	-2.87431	-2.04747	-2.95241	-2.57176	-3.96902
TAGLN	0	-2.08147	-2.84062	-1.16617	-2.70477	-1.72411	-2.61382	-2.5143
GPR27	0	-4.26451	-5.12718	-2.35823	-2.52501	-3.40151	-0.57426	-4.41623
GSTA3	0	-4.33979	-4.68186	-2.93036	-1.90288	-2.53208	-3.0541	-3.44382
TSPYL2	0	-2.60146	-3.27098	-2.25418	-1.54568	-2.53771	-2.83079	-2.48057
KIAA1456	0	-3.38468	-4.41191	-2.75939	-3.16578	-4.06915	-3.4162	-5.6629
IL33	0	-3.61578	-3.779	-2.84177	-3.28657	-5.22691	-3.54695	0.534502
PRKCA	0	-3.06155	-2.17377	-2.56172	-2.51233	-2.46843	-2.57895	-2.26362
UNC5C	0	-4.52033	-4.06031	-2.92185	-3.03897	-3.25829	-4.37183	-5.07939
BEND7	0	-2.56742	-4.22896	-2.26701	-2.87946	-2.6644	-2.4567	-1.61487
HSD17B11	0	-3.57112	-1.67088	-1.84204	-3.02187	-2.8093	-2.3155	-2.47992
LOC1005C	0	-4.6668	-4.06142	-3.60072	-2.14294	-4.79722	-2.07287	-4.32974
TMEM130	0	-2.96803	-3.38633	-3.22477	-2.16867	-1.54201	-2.00861	-3.1228
11-Sep	0	-3.09246	-2.82192	-1.02738	-3.33977	-3.09916	-3.95997	-3.26571
DNAJC18	0	-2.88206	-1.86139	-1.19027	-2.52546	-1.88063	NA	-1.26812
GREM1	0	-1.90531	-5.09335	-0.47746	-3.20336	-2.67045	-4.37275	-7.64586
C1orf133	0	NA	-2.41223	-2.56613	-3.04826	-2.34671	-3.49458	-3.44339
DOCK3	0	-3.00568	-4.22736	-1.80638	-2.51752	-3.26717	-2.79864	-5.32899
P4HA3	0	-1.32575	-2.97475	2.107151	-2.89425	-1.38444	-1.93334	-1.41895
SPG20	0	-3.85469	-2.85181	-1.16673	-3.1885	-2.39581	-1.79126	-2.42077
ABCB1	0	-4.25892	-4.08069	-2.98849	-2.69944	-3.56695	-2.00128	-3.28814
GRIK2	0	-3.20203	-2.63837	-1.7221	-2.91162	-2.56831	-2.7655	-4.60373
GPRC5B	0	-2.61856	-2.55866	NA	-2.62916	-2.97471	-1.98179	-3.04091
TMEM231	0	-3.49906	-4.8682	-2.73231	-2.49085	-2.84683	-3.55699	-2.45266
PTGDR	0	-2.45332	-3.54554	-3.44222	-1.31056	-3.77333	-2.07499	-3.27401
MT1JP	0	-3.3811	-2.50709	-3.61339	-2.92964	-2.83545	-3.06659	-0.35668
CEP68	0	-2.09279	-4.13872	-2.00389	-2.5912	-3.07854	-2.64428	-2.70213
ARMCX3	0	-3.59734	-5.27071	-1.92821	-1.99588	-3.97835	-2.556	-5.13577
ERC2	0	-4.13243	-3.57145	-1.44464	-2.85974	-2.76522	-3.43523	-3.5338
TNNC1	0	-2.46351	-2.57079	-2.69984	-3.19464	-3.05136	-2.38724	-1.171
HRC	0	-3.04656	-2.85006	-3.79877	-1.9528	-4.1199	-3.95796	-3.68543
MCF2L	0	-3.29182	-3.45284	-2.34256	-2.19537	-1.72816	-1.773	-3.31819
C17orf76	0	-2.51543	-4.37936	-2.45696	-1.51763	-2.94194	-2.53139	-3.13852
EDA	0	-2.16023	-3.60531	-2.80907	-2.59822	-3.90327	-3.28294	-2.52232

ZNF853	0	-2.36209	-3.70999	-1.14535	-2.79921	-2.24851	-2.59064	-3.08776
PTX3	0	-4.35488	-3.97919	-2.52383	-6.23207	-4.00563	-5.76419	-2.93876
SHC4	0	-4.56063	-0.80296	-2.61351	-4.42876	-3.18665	-3.20622	-3.17723
HSPA12B	0	-1.60684	-2.63842	-0.34457	-2.48915	-1.98053	-1.71642	-1.99328
LAMA2	0	-1.86054	-3.67811	-0.36464	-3.27431	-1.61568	-2.97984	-3.93311
GUCY1B3	0	-2.60254	-4.07087	-1.37576	-3.61117	-3.28715	NA	-5.00099
MYADM	0	-1.54468	-3.38426	-1.36846	-2.9035	-2.58082	-3.06688	-3.44341
LEPR	0	-5.3712	-2.73637	-2.22034	-3.15326	-2.41062	-1.99752	-2.39939
NAP1L5	0	-4.09448	-3.44476	-1.31479	-2.10066	-2.25232	-2.77979	-1.93836
PRRX1	0	NA	-5.25163	-1.16936	-3.43289	-3.18886	-3.30735	-4.55834
CDKN1C	0	-1.50567	-3.87257	-1.40643	-1.40555	-2.96196	-2.21708	-2.27737
TCTEX1D1	0	-5.72412	-5.25933	-3.83781	-2.60791	NA	-5.17403	-6.09239
SYNPR	0	-4.98156	-4.54427	-3.03817	-1.11922	-3.17602	-3.65844	-5.89851
GKAP1	0	-2.65651	-5.94899	-2.59496	-1.79267	-2.53463	-1.68303	-2.13971
RELN	0	-4.07666	-3.59449	-1.92627	-2.67604	-2.87999	-3.27511	-5.09168
PLXNA4	0	-4.2039	-2.5168	-2.59113	-3.78528	-2.72216	-2.96882	NA
CKB	0	-0.48214	-2.05075	-0.85892	-1.18136	-2.71158	-1.79974	-3.17186
DAAM2	0	-2.09211	-3.46467	-1.54845	-3.26758	-1.70236	-2.46097	-3.28678
TMEM8B	0	-2.3294	-2.25796	-1.81795	-2.38511	-2.42387	-2.95678	-3.44993
LTBP4	0	-1.48973	-2.50829	-2.29633	-2.62486	-2.01763	-2.08093	-2.60675
RASA4	0	-2.39406	-3.52843	-2.17117	-1.48012	-2.36794	-1.35658	-2.95338
OLFM1	0	-1.98932	-4.44132	NA	-0.45794	-1.9555	-1.25545	-5.36403
TBX5	0	-3.92658	-2.87444	-2.21315	-1.89352	-2.72922	-3.11968	-2.78967
PALM	0	-2.97159	-3.59029	-1.16258	-2.64785	-2.89453	-3.22237	-3.08998
EFHC2	0	NA	-3.81179	-2.06542	-3.46459	-2.29448	-3.8747	-5.55153
CYFIP2	0	NA	-3.52591	-2.90219	-2.53591	-2.56667	-2.78472	-3.47633
TRO	0	-0.82037	-3.66073	0.69937	-1.89055	-1.44165	-0.86205	-2.12257
IL17RD	0	-2.34708	-3.82825	-2.88535	-2.42987	-2.88397	-3.64201	-0.71276
PAMR1	0	-3.34619	-4.56892	-2.05365	-2.07149	-2.1618	-1.67165	-4.13708
FAT3	0	-3.81702	-3.72897	0.254846	-3.03497	-2.95176	-2.43318	-4.76935
C12orf53	0	-2.66787	-3.49783	-2.63121	-2.42244	-2.2294	-2.80731	-1.50678
LIMS2	0	-2.26279	-2.99158	-2.21475	-2.56496	-1.78586	-2.41791	-2.70158
TBC1D1	0	-3.14192	-3.12089	-2.76216	-2.6123	-3.12948	-3.59776	-2.64585
MGST1	0	-3.83916	-3.96691	-0.06289	-3.61754	-3.92345	-3.41366	1.777482
KIAA1244	0	-3.54367	-3.75685	-2.92626	-3.5242	-3.68553	-3.06789	-5.78972
RGL3	0	-2.29106	-3.50269	-2.74669	-2.38718	-2.69245	-2.18744	-3.31422
MEF2C	0	-3.56979	-4.34346	-1.90301	-2.08863	-2.55591	-1.78102	-4.15194
CSGALNA	0	-3.26645	-4.20419	-2.3072	-2.73838	-2.62655	-1.57235	-3.49293
NIM1	0	-3.89643	-3.18194	-1.25223	-3.21172	-3.4462	-3.84589	-4.11201
POTEF	0	-2.64729	-2.94277	-2.36342	-3.84474	-2.57887	-3.14896	-3.33469
ANKRD6	0	-2.97508	-5.20381	-1.35655	-1.77666	-2.53172	-2.72567	-2.99208
TMEM108	0	-2.61464	-4.49926	-1.05385	-3.56738	-2.91464	-3.96664	-3.46497
BCL2	0	-2.77099	-4.02447	-1.72374	-2.32595	-2.24006	-1.27455	-3.36731
SASH1	0	-2.99528	-5.06368	-2.25596	-2.04662	-2.03287	-2.34911	-3.40908
NTRK2	0	-3.82271	-3.43686	-2.06599	-2.89537	-2.87046	-3.15645	-4.44828
ZNF135	0	-3.84079	NA	-1.01616	-1.1574	-2.46924	-2.57784	-4.07417
SERPINA5	0	NA	-3.33928	-1.57171	-3.50275	-3.12193	-1.82195	-2.0933
SETBP1	0	-2.22716	-2.89613	-1.99406	-2.35877	-2.61371	-3.02966	-4.44688
ABCA3	0	-2.51076	-4.68214	-3.2092	-2.211	-2.32587	-2.57394	-3.97285
C20orf16C	0	-3.35776	-4.21777	-3.2304	-2.78321	-2.45651	-2.50549	-3.08378
MERTK	0	-3.96986	-3.76157	-1.3698	-2.80249	-2.01031	-2.81529	-2.55895
CHSY3	0	-4.13193	-1.88355	-2.20664	-4.9233	-5.84655	-4.90431	-4.64258
EDN1	0	-3.93246	-3.84192	-4.3538	-2.53029	-5.10025	-3.87454	-5.91178
SEMA3B	0	-1.13217	-2.08488	-2.32831	-3.36536	-3.2993	-3.68279	-2.56894
EGFL7	0	-3.0373	-3.09729	-2.72085	-2.37171	-2.63779	-2.69112	-2.94965
LINC0031:	0	-2.08941	-3.62849	-1.15131	-2.31536	-1.96825	-3.29325	-2.92403
MGC2410	0	-0.96159	-3.26348	1.7935	-1.3597	0.292063	-1.32498	-1.08271
PMEL	0	-3.33927	-3.66011	-3.90567	-2.02166	-3.72051	-3.48122	-3.37426

LPAR1	0	-4.67533	-2.19322	-2.31672	-4.71679	-3.23097	-3.44297	-3.7215
KRBOX1	0	-4.48902	-5.70966	-1.45025	-2.57092	-3.73861	-3.71335	-5.17794
TOX	0	-3.23511	-3.38673	-1.5891	-2.7871	-1.6398	-2.68163	-5.95372
PDE4DIP	0	-1.96525	-1.60813	-0.14607	-4.28985	-2.19104	-2.40861	-2.17338
SNED1	0	-2.69588	-3.64226	-2.12328	-3.15026	-2.11377	-2.34565	-3.15573
STAC2	0	-3.44189	-4.1965	-3.72339	-2.09133	-3.02627	-4.50438	-3.34391
ACPL2	0	-2.32159	-4.45867	-1.70737	-1.99772	-2.41987	-2.35253	-2.6249
KCNN3	0	-2.75603	-4.31718	-2.42266	-0.90507	-2.26403	-0.90612	-2.88983
SLC22A3	0	-3.46427	-3.74477	-1.73655	-3.46831	-1.88325	-2.58666	-3.25558
GJA4	0	-3.02017	-4.08085	NA	-2.43025	-3.43277	-3.20525	-3.83111
ESR1	0	-4.18451	-4.63717	-3.76703	-3.11576	-3.30367	-3.07578	-2.06006
PLSCR4	0	-3.83315	-5.96848	-3.29051	-1.99325	-2.20221	-2.99542	-2.11153
LOC38963	0	-4.1402	-5.70065	-2.47257	-1.38305	-3.61867	-3.4638	-4.22913
TDRD10	0	-3.62429	-2.91359	-2.23358	-0.81579	-2.64054	-2.53983	-3.20783
ITGBL1	0	-3.48177	-4.84985	-0.46106	-3.06014	-1.41784	-3.98226	-3.71567
FILIP1L	0	-2.51062	-3.22615	-1.21386	-3.2556	-2.58113	-3.55121	-4.01958
LOC15117	0	-4.19886	-2.28984	-3.26748	-1.76779	-3.79069	-4.30804	-3.00323
ZNF704	0	-1.62755	-3.64899	NA	-2.09625	-0.96324	-2.29787	-1.19273
PCDH19	0	-2.4622	-1.43792	-1.77424	-3.69396	NA	-2.78358	-2.43821
SV2B	0	-4.27895	-3.4455	-2.64083	-3.21093	-3.70399	-3.9293	-4.80219
GPC6	0	-1.81355	-5.80887	0.726998	-4.42222	-2.50177	-2.67398	-3.40467
GAS2	0	-3.67031	-3.04469	0.097964	-3.65994	-2.73928	-1.5189	-4.65301
LIX1L	0	-3.93974	-3.18327	-3.33077	-3.3867	-3.42389	-3.6449	-3.69313
LOC1005C	0	-4.20256	-3.62822	-1.73646	-5.15835	-2.89371	-3.3794	-4.85712
LOC72997	0	-5.1484	-3.08315	NA	-3.20072	-2.45138	-3.4286	-3.32376
SRPX	0	-2.66264	0.376798	-1.52259	-5.65366	-1.72507	-4.13501	-5.67034
TACC1	0	-2.27264	-3.51875	-1.70387	-2.54787	-2.60083	-1.9866	-3.05531
PDGFD	0	-4.57847	-4.10924	-2.18409	-4.27147	-3.24025	-3.29188	-4.75712
SLC1A1	0	-3.7948	-5.54142	-4.28646	-0.77573	-4.89386	-3.98722	-3.99602
SOCS2	0	-2.69527	-1.33436	-2.62483	-2.79246	-4.59187	-3.73156	-3.55373
DYNC111	0	-3.95138	-4.31155	0.048377	-3.83705	-3.60667	-3.59751	-4.24849
CCDC80	0	-2.04006	-3.2008	-0.26207	-3.10455	-1.55713	-2.21281	-2.95349
JAM3	0	-3.09316	-3.76136	-1.59861	-3.18294	-2.42849	-3.38538	-3.76825
KIAA1462	0	-2.51483	-3.95393	-1.06118	-2.76909	-2.47036	-2.55882	-3.37361
MYO5C	0	-3.79298	-5.47475	-3.47032	-1.5256	-3.13037	-2.39029	-2.0856
TENC1	0	-1.88237	-2.6351	-1.8719	-2.81734	-1.91589	-1.7139	-1.83703
FAM69B	0	NA	-3.75934	-3.15228	-3.02584	-2.98739	-2.87125	-3.28896
8-Sep	0	-3.16661	-3.58849	-2.64125	-3.40669	-2.35772	-2.68329	NA
TAC1	0	-3.67711	-2.99399	-1.10284	-4.54785	-1.95642	-2.54183	-4.71329
PDGFRB	0	-1.97267	-4.04324	-0.94436	-2.73922	-2.39466	-2.51932	-3.52871
PRPH2	0	-2.17723	-4.27284	-1.06682	-2.86889	-3.68988	-3.23692	-2.47869
FZD4	0	-3.70107	-3.45779	-2.21849	-2.80744	-2.89178	-2.96069	-2.75155
RNF150	0	-2.53545	-3.00308	-2.64724	-2.92631	-2.1525	-3.20481	-4.32426
ESRRB	0	-2.92286	-3.20525	-4.22253	-2.57976	-2.85776	-2.85654	-3.67202
C3orf15	0	-3.45685	-2.9804	-1.54098	-3.0409	-2.60773	-2.43333	-4.61214
LGR6	0	-4.19469	-2.29512	-3.71636	-2.79688	-3.1118	-3.3612	-6.1393
PEG3-AS1	0	-5.12589	-4.50536	-2.90867	-2.62217	-4.17878	-4.4042	-6.0396
TNNC2	0	-2.5472	-3.31335	-2.6196	-1.95207	-2.02339	-3.09151	-2.38508
BNC2	0	-2.24454	-4.44852	0.888667	-3.40612	-1.32946	-2.8445	-2.89015
HCFC2	0	-3.42833	-4.68903	-2.69437	-2.63584	-3.52042	-3.79774	-3.83709
CNTFR	0	-1.4189	-1.54794	-1.60915	-1.55873	-1.68393	-2.66802	-2.7094
RIIAD1	0	-3.24349	-3.44544	-0.72691	-2.35429	-5.05485	-3.32122	-3.035
C16orf45	0	-2.72095	-3.60454	-1.73306	-3.0219	-2.82638	-2.97095	-3.66446
NFIA	0	-3.29241	-3.52156	-2.60988	-2.87897	-1.65828	-1.75537	-1.69804
LOC64383	0	-3.98673	-4.07626	-3.60078	-3.29042	-3.86087	-2.69768	-5.57542
RIC3	0	-4.38871	-4.00594	-1.09268	-2.60205	-3.39195	-2.25297	-5.39283
PNMAL1	0	-0.11254	-6.95191	-2.45632	0.815123	-1.78207	-5.81844	0.981025
UBL4B	0	-3.58636	-4.1863	-5.21951	-2.13037	-5.67489	-3.6625	-5.08159

FLJ30901	0	-3.52118	-4.71239	-2.53792	-2.13912	-2.35172	-4.10587	-3.18767
GPC3	0	-0.98451	-3.77967	-2.83523	-3.0091	-3.73891	-1.44209	-4.76508
GRK5	0	-3.66073	-3.68607	-3.35864	-1.91645	-3.05877	-3.07218	-4.56706
CORIN	0	-4.46949	-4.04419	-0.80394	-2.2773	-1.6551	-4.19447	-4.48391
IGFBP7	0	-3.48406	-3.68776	-1.88354	-2.95632	-3.25805	-3.03588	-2.77448
ST6GALN/	0	-3.79876	-4.22209	-2.52419	-3.16109	-3.80925	-3.72789	-4.00683
SOX17	0	-4.9584	-5.05106	-4.51255	-2.51436	-4.51481	-3.44383	-4.73642
HP	0	-4.28928	-2.92037	-4.05705	-2.47891	-1.24615	NA	-4.1289
MTMR9LP	0	-2.87275	-3.8358	-2.26308	-1.73914	-1.47706	-2.11735	-2.5558
BEND5	0	-2.99954	-3.90614	-2.19295	-2.91227	-3.3001	-3.33246	-3.24115
ZNF471	0	-4.32859	-3.84309	-1.0099	-3.6377	-2.704	-3.25384	-4.44333
CHRD12	0	-3.43516	-5.41335	-0.63647	-4.07094	-0.81012	-3.6726	-4.40722
PDGFRA	0	-2.21579	-4.62966	-1.49972	-2.88199	-2.15934	-1.70958	-3.98372
TFF3	0	-3.77569	-4.11706	-3.38297	-2.55125	-3.64666	-3.44018	-5.15414
SEMA3E	0	-3.59107	-3.23197	2.044996	-3.1768	-3.24884	-3.36647	-3.84668
ERBB4	0	-3.98602	-3.5544	-2.14511	-3.04661	-3.30573	-3.54392	-4.16634
C7	0	-4.29428	-4.40034	-3.37204	-3.92416	-4.22485	-4.49734	-3.58731
AQP1	0	-3.36272	-4.00291	-2.72414	-2.63065	-2.84825	-2.80258	-3.38764
SELENBP1	0	-2.62956	-4.03048	-2.08019	-2.87859	-2.84347	-2.84569	-0.8227
ZC4H2	0	-4.07007	-2.74663	-1.75821	-3.07497	-3.17208	-3.07094	-4.54691
PARVA	0	-3.12254	-3.69868	-1.36314	-3.09236	-2.54454	-3.16705	-2.61947
ADCY4	0	-3.17597	-3.67791	-2.51733	-2.21389	-2.42868	-2.20002	-3.61289
GATA6	0	-2.29437	-1.62622	-2.66117	-3.88142	-3.45041	-4.28369	-3.40768
PCDHB5	0	-4.58131	-4.17404	1.077232	-2.86045	-3.55403	-3.88592	-5.60019
SLIT2	0	-3.13126	-2.40857	-0.32431	-3.61056	-1.76097	-2.91299	-3.56774
ZFPM2	0	-4.3516	-4.70796	-1.99189	-4.12931	-3.40924	-3.39064	-4.52012
LOC64572	0	-2.41958	-3.99854	-2.99922	-3.27379	-3.45583	-3.06775	-3.88395
RAB33A	0	-3.6515	-4.82292	-2.13115	-2.89137	-3.44405	-3.64051	-4.34771
FAM3B	0	-4.62988	-4.52883	-3.8422	-3.70136	-6.23811	-0.84404	-5.33365
CLDN10	0	-4.59371	-4.22898	-3.29857	-2.31859	-4.02747	-3.43848	-1.00197
DLG2	0	-4.15721	-3.78002	-1.32268	-3.57873	-2.05257	-3.24998	-5.22713
FIGF	0	-2.57322	-3.5802	-1.69421	-4.23408	-1.9333	-1.43675	-2.85646
RHOA	0	-4.83796	-4.53507	-2.59936	-3.27093	-2.36157	-2.5609	-5.00908
FAM153A	0	-3.6743	-3.30838	-2.71523	-3.17788	-3.30285	-4.01047	-4.0773
HS3ST2	0	-3.46364	-4.0059	0.015754	-4.20359	-3.76538	-2.00333	-6.00086
CXorf69	0	-3.59322	-2.74157	-3.8099	-3.52964	-3.98327	-3.73566	-2.29672
PPP2R2B	0	-0.83358	-4.70778	0.711643	-0.77162	-3.85831	-0.0398	-4.98661
CYTL1	0	-4.11603	-3.34548	-1.94844	-4.02434	-4.01416	-3.28352	-4.3641
MYOZ2	0	NA	-3.26629	-1.52424	-2.7223	-2.50378	-2.94691	-4.36937
PRG4	0	-5.31946	-4.99327	1.409053	-3.85917	-4.15066	-3.94854	-5.68266
KANK3	0	-2.91499	-3.42433	-2.81516	-2.62365	-2.78648	-2.35638	-3.47915
MRVI1	0	-4.02075	-4.49328	-0.91087	-3.60659	-0.30532	-1.68199	-3.06269
LOC64419	0	-4.22893	-4.23913	-3.12423	-3.37214	-4.24931	-3.07922	-4.6382
FAM47E	0	-4.59467	-4.30894	-1.51659	-2.94609	-3.51021	-3.89703	-5.45083
ACAN	0	-4.07364	-4.29028	-3.59696	-2.84391	-4.03828	-3.83619	-4.47297
CLEC14A	0	-3.8072	-4.32867	-2.89428	-2.79094	-3.01643	-2.78645	-3.89769
MPDZ	0	-2.43612	-4.56525	-2.2531	-2.59891	-2.57313	-3.61243	-1.85756
LOC7287C	0	-3.76435	-4.87853	-3.48383	-3.23312	-4.94325	-4.16967	-2.37954
SPTB	0	-3.8523	-4.09212	-4.32195	NA	-3.92289	-3.68831	-3.34705
LONRF1	0	-2.37377	-4.32008	-2.28272	-2.63712	-2.65987	-2.65913	-3.86642
REEP2	0	-2.73007	-4.18964	-2.73999	-2.85109	-2.52614	-3.59093	-3.03526
SOD3	0	-3.4253	-4.05898	-2.80904	-2.99809	-2.4515	-3.16386	-3.70761
PNMA2	0	-4.4094	-4.21831	-2.3033	-2.93019	-3.27454	-4.34258	-4.3689
GPR20	0	-2.87615	-4.66001	-2.65705	-3.00492	-2.06202	-2.46935	-2.93834
DCN	0	-2.03599	-4.5741	0.302964	-3.11855	-1.5504	-1.91036	-4.47415
PGR	0	-3.89389	-4.39075	-3.25252	-3.75014	-3.92031	-4.37471	NA
ATP10A	0	-3.35865	-4.51756	-2.2853	-2.20261	-2.42263	-3.5051	-4.38317
DUSP26	0	-4.40477	-5.60914	-4.54772	-2.04642	-1.76462	-1.65364	-4.77284

CMTM5	0	-2.62466	-2.81	-2.29648	-2.62095	-3.07404	-3.08738	-2.00847
RSPO1	0	-4.84601	-6.58202	-2.32833	-2.03371	-1.39809	-2.23404	-5.42039
PLK5	0	0.038194	-4.3305	-3.34871	-3.64234	-4.20671	-4.74198	-4.68821
IGFBP5	0	-3.47446	-3.80289	-2.89376	-3.24182	-3.16775	-3.82073	-4.09303
ASXL3	0	-3.65824	-3.17984	-1.66295	-3.06661	-2.71491	-2.1601	-3.94318
MAPK4	0	-4.0024	-3.69191	-2.56485	-3.83225	-2.96478	-4.0249	-4.72861
CYR61	0	-3.40609	-3.9516	NA	-2.9973	-2.95163	-4.65529	-4.58957
TCEAL5	0	-3.2943	-2.64009	-1.91016	-3.62678	-2.54448	-3.48131	-2.38527
CACNA1C	0	-3.47646	-5.36246	-2.09502	-3.24764	-2.91345	-2.73352	-4.17197
TBX15	0	-2.5469	-4.60018	-1.44004	-4.1474	-3.66742	-3.88383	-4.08002
ADH1C	0	-3.05674	-2.3891	-2.5103	-4.12651	-3.15649	-3.00935	-2.1346
ATP8B4	0	-4.78188	-5.52556	-3.27436	-3.55049	-4.09162	-4.42589	-4.22324
PDGFRL	0	-2.69826	-4.17134	0.020928	-3.69919	-1.28031	-2.34965	-3.17214
SYNE1	0	-3.16109	-4.07783	-0.53384	-2.80878	-1.34207	-2.53587	-1.82887
MAGEH1	0	-3.65184	-5.09517	-1.37518	-2.47373	-2.85409	-1.97407	-4.24127
MEG3	0	-2.87462	-3.35697	0.972268	-2.54843	-0.81744	-3.03728	-2.75635
WFDC1	0	-3.58873	-4.51299	-1.98646	-3.33595	-3.08094	-3.26605	-5.05824
C10orf82	0	-3.68746	-3.09301	-1.068	-3.76061	-2.97565	-3.06019	-4.61746
TPM1	0	-3.03942	-2.51552	NA	-3.26316	-2.82646	NA	-1.95645
GNG11	0	-3.73481	-4.24864	-2.68459	-2.94009	-3.78413	-3.0138	-3.84803
DPYSL2	0	-3.13192	-4.38979	-2.31912	-3.01641	-2.55048	-2.99598	-3.99714
CMAHP	0	-4.46616	-5.81044	-3.32138	-1.78557	-2.67826	-2.37342	-4.25965
FAM110B	0	-4.31965	-5.67637	-2.12623	-4.71371	-4.19274	-3.5193	-5.75539
HSD11B1	0	-2.59339	-3.6926	-2.97239	-3.15506	-3.42515	-3.00759	-4.05853
FAM149A	0	-1.25447	-5.08174	-2.25752	-2.33326	-2.39396	-1.76093	-0.80111
ZMAT1	0	-3.71646	-4.64161	-0.54957	-1.49333	-1.68525	-1.78447	-2.45716
SLN	0	-4.07028	-4.43394	-5.02903	-2.33621	-4.57249	-4.78223	-4.76393
NME5	0	-5.02879	-4.71603	-1.70513	-2.98174	-3.70292	-3.33412	-5.74185
KCNIP3	0	-2.79439	-3.84404	-2.317	-2.93853	NA	-2.92818	-4.41467
KIAA1683	0	-2.53502	-4.23113	-1.0361	-1.92985	-2.42812	-1.98929	-3.90747
LOC25548	0	-3.13921	-4.07541	-1.53192	-3.16431	-3.0978	-2.48892	-3.83558
DARC	0	-3.66201	-3.90954	-4.17253	-2.91349	-4.04035	-3.83473	-4.16173
CYYR1	0	-3.99411	-4.15992	-2.49321	-2.77041	-3.42059	-1.84787	-4.39312
EBF3	0	-3.51763	-3.72394	-3.03745	-3.29983	-1.94658	-2.96021	-3.93977
NRG2	0	-4.45287	-5.7598	-3.99421	-1.73222	0.451415	-1.52154	-4.63315
TCEAL7	0	-3.40943	-2.36706	-0.18539	-4.20249	-4.67327	-3.47304	-4.13896
COLEC12	0	-3.40072	-3.59285	NA	-4.42952	-2.33409	-2.84453	-5.5288
CRYAB	0	-3.16566	-2.72039	-1.21197	-3.17023	-3.43869	-2.08627	-3.96971
LRRC32	0	-3.16485	-4.1286	-1.50709	-3.52331	-3.86603	-4.21398	-4.51645
KCNMB4	0	-2.68479	-4.66579	-0.99076	-4.28333	-3.53725	-4.54609	-2.5771
SULF1	0	-2.69956	-3.79775	-0.10339	-2.73135	-2.15023	-3.85724	-4.21729
KIF19	0	-3.72573	-3.75248	-3.97667	-1.5814	-2.96429	-2.54928	-3.67205
RAB3C	0	-5.74333	-5.34289	-4.25396	-3.15177	-4.98884	-5.14126	-5.91092
ASB5	0	-2.18878	-2.56914	1.094179	-2.6961	-3.37925	NA	-4.64555
NRXN1	0	-3.9959	-3.50068	-2.31259	-3.39015	NA	-3.39616	-5.23097
LOC1005C	0	-3.60381	-3.16788	-0.62734	-3.62879	-2.77613	-2.64871	-4.11695
SAMD14	0	-3.11136	-3.94186	-2.6268	-2.72961	-3.18542	-3.72088	-3.38769
ZNF423	0	-3.64966	-5.5217	-2.32166	-3.81672	-4.62488	-3.77912	-5.19389
THSD7A	0	-5.99962	-5.60926	-3.91744	-3.73678	NA	-4.56571	-5.3066
ME3	0	-2.63521	-4.4634	-1.86662	-2.86298	-2.6591	-1.81997	-0.90124
CYBRD1	0	-2.60021	-5.64816	-0.93606	-2.54478	-2.63866	-1.34866	-2.42234
GALNTL2	0	-3.04143	-3.43776	-2.69155	-3.23704	-2.99517	NA	-2.99113
KALRN	0	-3.26824	-5.34247	-2.78617	-3.34485	-2.57043	-5.12427	-4.3328
LOC38863	0	-3.23921	-3.66479	-3.45077	-2.89295	-1.42488	-3.29535	-3.32357
KANK2	0	-2.46212	-3.85045	-1.23251	-2.43194	NA	-2.01891	-2.99499
PRKAA2	0	-3.8535	-3.36742	-1.56361	-3.21217	-3.10527	-3.454	-5.12539
PLIN4	0	-3.25983	-3.45239	-3.87012	-2.87018	-3.56274	-1.4771	-4.48881
PRKG1	0	-2.87747	-4.68064	-2.09364	-4.15262	-2.56533	-2.76804	-3.77206

TMEM25	0	-3.42489	-3.56267	-3.57345	-1.73733	-4.27918	-2.78772	-1.36456
PID1	0	-3.71918	-3.65494	-2.34853	-3.10616	-2.36373	NA	-4.71858
ATOH8	0	-3.16138	NA	-2.19696	-3.16438	-3.20501	-2.84923	-3.31956
ACSS3	0	-4.02226	-4.53748	-1.16296	-3.33795	-3.02142	-3.42206	-4.14634
SMAD9	0	-3.93076	-3.75912	-1.67262	-2.71791	-3.57846	-2.97348	-4.37527
RUNDC3B	0	-5.14178	-5.03791	-3.05298	-4.43187	-4.85628	-2.9341	-3.39028
KIAA1377	0	0.005642	-3.93924	-1.46003	-3.39916	-3.41284	-3.09725	-1.21861
ARHGAP2	0	-4.13438	-6.50714	-2.64934	-2.89856	-4.56473	-4.01747	-5.08617
PLA2G16	0	-3.88953	-5.65433	-3.10154	-2.45611	-3.17075	-3.23658	-2.55866
ATF3	0	NA	-3.69524	-2.55925	-3.243	-3.54845	-4.2869	-5.18527
LPP	0	-3.14801	-4.00493	-2.03616	-3.67058	-2.63733	-3.02289	-2.75053
ABCC8	0	-2.98496	-2.70376	-3.49886	-2.96253	-4.14583	-4.41937	-3.06594
ECM2	0	-3.45431	-4.84603	-1.39249	-3.51844	-2.36954	-3.22539	-3.49026
CLMN	0	-1.50098	-3.00169	-2.86586	-2.58441	-2.64225	-1.36115	-1.24975
LINC00310	0	-4.63712	-4.38396	-2.91731	-3.69396	-3.76663	-2.67578	-3.77866
TNS1	0	-3.09012	-3.41046	-2.18628	-4.13474	-2.07652	-2.44224	-3.64252
NRXN3	0	-4.08407	-3.47475	-2.38842	-1.63688	-2.60112	-3.85215	-3.88063
MITF	0	-2.77918	-3.66221	-1.6069	-3.07095	-2.70275	-3.24801	-3.6838
RASL11A	0	-4.39283	-3.45627	-3.45103	-1.93844	-3.55745	-2.68424	-3.90881
PLCL1	0	-3.9557	-4.53974	-2.3258	-4.1057	-2.65922	-3.74605	-2.36645
GSTM3	0	-4.2743	-4.02592	-2.51015	-3.92429	-3.25179	-2.45218	-2.80884
SOX8	0	-3.23749	-4.10542	-3.6947	-2.55597	-3.53467	-3.70344	-3.96578
FAM162B	0	-4.2867	-4.91605	-2.28096	-2.98504	-2.98733	-2.43523	-3.82517
ZNF415	0	-3.6901	-5.23357	-2.45257	-3.41667	-3.94641	-2.17568	-4.69128
BZRAP1	0	-2.63804	-4.90118	-2.53849	-1.55044	-1.78195	-2.33159	-1.62683
FERMT2	0	-2.19419	-2.11636	-1.67579	-5.35928	-3.98542	-3.94124	-2.35061
ADCY1	0	-5.7528	-5.12479	-4.16943	-3.40758	-4.82792	-4.50647	-5.34265
ARNT2	0	-3.80132	-4.98617	-2.15772	-3.35033	-3.85323	-3.88178	-4.2155
C1orf190	0	-3.4719	-3.4876	-3.16185	-2.55344	-3.82204	-4.11112	-2.05619
TMTC1	0	-4.47272	-4.24627	-3.36351	-2.37419	-4.76676	-2.14068	-4.91984
FGFR1	0	-2.8767	-4.96102	-1.4212	-2.84399	-2.80105	-3.26435	-3.67777
COLEC11	0	-4.19621	-5.06281	-2.8665	-2.54213	-2.79091	-1.48477	-2.54537
CDH6	0	-4.21036	-5.28623	-4.39481	-3.28114	-4.77142	-2.77645	-4.62791
NPY2R	0	-3.75281	-3.43918	-1.93569	-2.50656	-2.2205	-3.14377	-4.64885
MSX1	0	-2.95198	-3.42242	-1.96479	-3.33269	-2.84312	-3.0129	-3.26652
FLNC	0	-1.83171	-4.73153	-1.95053	-3.40269	-2.92036	-3.45565	-2.83876
SLC47A1	0	-4.05146	-4.36798	-3.73557	-1.39469	-3.33431	-3.34155	-3.8969
NAP1L2	0	-5.72444	-5.46521	-1.05891	-5.26724	-2.89834	-4.2722	-5.26761
TSPAN2	0	-3.5178	-4.30676	-1.3911	-3.87425	-3.14979	-3.24681	-4.41203
ROR1	0	-3.64092	-1.29485	-0.8583	-3.30249	-2.1608	-4.40263	-4.44166
PPP1R3B	0	-3.74796	-3.9124	-4.14413	-3.96787	-4.76001	-4.46062	-3.88105
DDR2	0	-2.4288	-4.53226	-1.24542	-4.46409	-2.85424	-2.83829	-4.10716
KGFLP1	0	-3.94151	-3.46033	-2.18745	-4.49436	-2.66266	-3.0557	-4.1256
FGF13	0	-4.64808	-4.32976	-2.88255	-3.43341	-3.55074	-4.14263	-3.58068
CSRP1	0	-2.11348	-2.68777	-1.97855	-4.01215	-2.47889	-3.02758	-2.27454
SSTR1	0	-4.57003	-4.09063	-2.5806	-2.81143	-3.76852	-4.28821	-5.64293
GNA14	0	-4.67789	-5.48066	-4.45866	-3.65235	-5.21613	-3.71445	-5.82607
GSTM5	0	-3.05131	-3.61414	-2.99707	-2.83065	-3.31433	-3.24365	-3.81426
NFIB	0	-2.5351	-2.7209	-3.00435	-2.42778	-3.21959	-2.73954	-2.01435
PMP22	0	-2.85599	-3.99343	-1.60862	-3.32053	-2.6515	-2.98782	-4.25848
PCDHB4	0	-4.24603	-4.77109	-2.3864	-3.57476	-4.40723	-4.85809	-4.75448
SHROOM3	0	-4.09585	-4.25901	-4.94607	-3.39375	-4.86583	-2.48424	-3.28699
C1orf115	0	-5.08652	-4.71019	-3.71932	-2.75873	-4.60953	-2.67651	-1.30152
C14orf132	0	-3.26409	-3.20126	-1.08855	-2.52765	-3.41044	-2.98522	-4.44182
MATN2	0	-1.03233	-5.23196	-1.8942	-2.48008	-1.40236	-2.22718	-3.37126
TLE2	0	-2.64904	-3.8424	-2.71144	-2.58853	-2.80364	-2.97736	-3.82041
PBX1	0	-3.30087	-6.33654	-1.25894	-1.55775	-3.54422	-1.73635	-1.52626
ZFXH4	0	-4.47839	-1.28605	0.151896	-3.2379	-2.01665	-1.42506	-4.13423

BMP6	0	-3.58957	-3.63225	-5.09933	-2.90575	-4.06728	-2.19798	-5.20787
DIAPH2	0	-2.69274	-3.40645	-3.22099	-3.71645	-3.94637	-3.30463	-3.21448
SGSM1	0	-3.21508	-3.79882	-1.89217	-2.97296	-2.65579	-3.44793	-3.7934
SLIT3	0	-3.7867	-4.3144	-2.96937	-3.37628	-2.62394	-3.9737	-4.01721
PLCE1	0	-3.5908	-4.5533	-2.11757	-3.64501	-3.09347	-3.47694	-3.73131
LMCD1	0	-2.97035	-4.72501	-1.41016	-2.88052	-3.10046	-3.72049	-4.34308
DNALI1	0	-3.561	-4.4427	-1.00294	-3.09317	-3.17372	-4.11112	-4.53283
PAX3	0	-5.49434	-5.91703	-4.42581	-2.88184	-4.99615	-4.63766	-7.18822
EFHD1	0	-3.5524	-3.9556	-3.53972	-3.04556	-3.42655	-3.19548	-3.38244
F10	0	-3.24581	-4.0562	-2.82424	-3.60044	-2.99508	-3.25384	-3.56183
HGF	0	-5.45991	-5.22814	-4.12434	-4.09354	-4.82349	-5.03188	-6.8053
TNNT3	0	-2.97278	-0.45654	-3.05671	-2.48817	-4.84827	-5.17034	-4.52978
TFPI	0	-4.26338	-5.51626	-4.06839	-3.18038	-3.99946	-4.25379	-2.81201
SALL2	0	-3.03303	-4.91314	-3.03734	-1.81533	-3.77632	-2.44448	-2.11084
ZBED3	0	-2.65902	-4.65001	-1.65707	-3.11091	-3.1621	-3.08893	-2.24205
DOK6	0	-2.17563	-4.7237	-0.38437	-4.95219	-3.29114	-4.21313	-3.89791
BAI3	0	-4.26604	-3.8186	-2.54567	-3.71238	-3.31493	-3.66895	-5.46598
THRA	0	-3.78476	-3.48925	-2.17888	-3.33418	-2.74252	-2.99708	-3.87025
ATP1B2	0	-3.22334	-3.58373	-3.65043	-3.12478	-3.63969	-3.38515	-3.3058
TSPAN7	0	-2.70481	-4.457	-3.34077	-3.69785	-4.1948	-2.97438	-4.54539
SPAG8	0	-4.07906	-4.25805	-1.89704	-1.90409	-3.51209	-2.28216	-2.17345
SLC8A1	0	-4.87485	-3.54845	-3.06762	-2.99436	-3.76658	-4.56028	-4.78124
NEXN	0	-3.94324	-3.99873	-2.68617	-3.49139	-2.84238	-3.30062	-2.7746
LIMCH1	0	-4.40017	-4.544	-1.37674	-2.73798	NA	-3.03857	-2.35795
GGTA1P	0	-4.27877	-5.3866	-1.98516	-3.44656	-2.83306	-3.40201	-4.09496
PELI2	0	-3.36926	-4.63866	-2.359	-2.05855	-3.85108	-3.56399	-1.82956
LRRC17	0	-1.31725	-5.22378	2.28712	-4.49673	-0.65666	-5.23311	-3.88343
COCH	0	-5.24803	-5.57348	-4.55958	-1.80409	-5.38546	-3.38218	-5.64229
FBXL7	0	-3.01874	-4.37973	-1.12306	-3.26636	-2.5188	-2.97067	-4.28882
GPER	0	-3.94505	-2.7888	0.175459	-3.9974	-3.27274	NA	-3.12778
SGCE	0	-3.10562	-4.47902	-1.87746	-3.78455	-3.6643	-3.88647	-1.53012
CLSTN2	0	-3.27117	-4.65008	-3.18602	-3.81526	-1.95362	-4.51318	-6.02035
LOC28348	0	-5.74028	-5.52685	-3.5832	-2.99672	-4.24987	-4.05515	-5.57398
TSPAN12	0	-4.8617	-6.47584	-4.94277	-4.03371	-5.53317	-4.38852	-4.82608
BEX2	0	-5.26414	NA	-2.26675	-2.08585	-4.63963	-0.82084	1.120596
LGI4	0	-3.27508	-3.65507	-3.47341	-3.34491	-3.23092	-3.16314	-3.5675
SLC26A10	0	-1.38661	-3.50456	-1.34401	-2.93636	-1.43862	-2.87063	-2.35517
NECAB1	0	-5.15267	-4.73847	-3.23898	-3.97909	-4.11614	-4.44588	-3.43457
ACOX2	0	-4.32192	-3.80612	-2.85717	-3.52992	-3.17852	-3.81736	-4.27785
HSD17B6	0	-3.67625	-4.47804	-2.82283	-3.71404	-3.28178	-3.98689	-4.64832
ITGA9	0	-4.58326	-5.42476	-2.65832	-3.11465	-2.51532	-2.96832	-3.88836
TRPC1	0	-2.84156	-4.33718	-1.09543	-4.42401	-3.14554	-3.98452	-1.94522
HCAR1	0	-4.2537	-4.04538	-1.88538	-3.96896	-3.45168	-4.01863	-3.91311
TTLL7	0	-3.14118	-4.97364	-1.51659	-2.8988	-2.35549	-4.46558	-2.65526
SNCA	0	-2.79959	-6.1067	-2.63601	-2.88689	-4.1228	-2.95755	-5.54003
HAND2	0	-3.51056	-3.63726	-3.76327	-3.26138	-3.18833	-3.73513	-3.47421
CTGF	0	NA	-4.38474	-0.29011	-3.10217	-2.54543	-4.08985	-5.10937
TTC25	0	-2.85794	-4.08745	-2.24893	-2.90445	-2.86353	-3.19229	-3.08503
P2RX1	0	-2.06794	-3.0618	-3.74426	-2.79954	-3.10346	-2.83331	-4.07685
LOC1005C	0	-5.13923	-4.76047	-3.54183	-3.02613	-4.29658	-4.53241	-3.17642
MXRA8	0	-2.61978	-5.28022	NA	-3.35433	-2.23404	-2.49246	-3.94149
REEP1	0	-4.06301	-4.92543	-3.02213	-2.51714	-4.26734	-2.55859	-4.67876
C13orf33	0	-4.00432	-4.3638	-4.40479	-3.49186	NA	-4.08724	-4.15108
BAG2	0	-3.60282	-4.92105	-1.54015	-3.83386	-3.10679	-3.41019	-0.81346
GSN	0	-3.52439	-2.96925	-1.75908	-3.17181	-2.60076	-2.84121	-3.64286
FGF7	0	-4.89484	-3.36395	NA	-4.76928	-2.50788	-3.59279	-3.98019
ADRA2B	0	-4.38403	-3.87055	-3.63383	-4.36864	-4.34364	-4.62753	-4.62385
PRKD1	0	-3.40273	-5.69071	-1.41292	-3.83975	-2.29469	-3.33093	-3.90228

PCDH9	0	-4.02002	-3.6621	-1.31668	-3.80991	-2.87646	-3.34553	-4.72717
ARHGAP4	0	-3.74368	-4.52385	-3.06959	-3.13243	-2.97498	-3.4012	-4.48221
TBX4	0	-5.70459	-5.29128	-2.70195	-2.53345	-4.12933	-3.46117	-4.49537
C2orf84	0	-3.53811	-4.93787	-4.27842	-3.33106	-3.84159	-2.91822	-4.29861
VASN	0	-3.65552	-5.13701	-3.92518	-2.76875	-3.71128	-3.48711	-4.85675
KCNA5	0	-4.52232	-3.88274	-3.1161	-3.94051	-3.66709	-2.88253	-3.83844
TUB	0	-3.11956	-4.77917	-0.90865	-3.24118	-3.6025	-2.1739	-4.23968
TXNIP	0	-4.47867	-4.39356	-1.52318	-2.64227	-2.63385	-2.2162	-4.00938
TPM2	0	-2.66229	-1.63451	-2.30625	-3.97362	-2.9972	-3.48695	-2.8538
FOXD2	0	-3.79789	-4.54504	-2.82052	-3.12509	-2.95208	-2.79776	-2.31515
CNTN4	0	-4.6157	-4.12892	-2.75018	-3.79972	-3.59879	-3.934	-5.48016
ZNF300P1	0	-4.12588	-5.25772	-2.48132	-3.91652	-3.55941	-3.0428	-2.29071
SMOC2	0	-3.5051	-5.08619	-3.11355	-2.74386	-2.16881	-3.78611	-4.99643
KLF15	0	-3.94942	-4.2865	-3.08127	-2.72367	-4.12542	-3.1585	-3.66342
ADH1A	0	-3.77301	-3.52996	-1.82565	-3.60429	-2.79666	-3.24158	-4.24609
ZBTB20	0	-3.08265	-5.06152	-1.4072	-2.63471	-2.34915	-2.28997	-3.17307
HBG1	0	-3.35533	-5.21662	-5.73122	-3.42466	-5.64454	-4.69558	-5.59553
TIMP4	0	-2.99365	-3.37926	-3.30006	-3.21383	-3.24294	-3.66782	-2.85078
GREM2	0	-3.43877	-3.33335	-2.36585	-4.95661	-4.15089	-4.64583	-4.99744
PKDCC	0	-1.67128	-4.46608	-1.15266	-4.48092	-1.96969	-1.12872	-2.44666
KRT222	0	-2.0645	-3.89701	-2.86953	-4.09161	-3.31027	-2.24011	-2.06252
CLU	0	-3.44878	-4.26759	-0.5136	-3.77274	-1.39821	-2.58795	-3.94956
LINC00478	0	-5.14039	-5.47522	-0.7072	-2.77615	-2.74901	-2.13961	-4.40751
SH3BP5	0	-4.05176	-3.71136	-2.39295	-3.26297	-3.34688	-3.2794	-4.5863
ARMCX1	0	-3.99133	-5.33479	-1.28227	-4.30423	-3.4843	-2.50897	-1.8747
SELP	0	-4.60697	-7.00486	-3.8676	-1.59495	-2.84139	-3.05843	-5.97288
C8orf46	0	-1.29869	-4.43221	-2.58398	-4.69212	-3.46602	-2.57495	-2.89509
NXP3	0	-3.23262	-4.31272	-4.08353	-3.50163	-2.84043	-3.33398	-4.3511
CELF2	0	-4.18098	-5.38777	-1.07038	-2.62991	-2.48416	-2.73504	-4.71938
FAM107A	0	-3.80127	-4.01441	-3.86653	-3.75007	-3.36622	-3.21849	-3.79217
CLDN5	0	-3.27188	-3.24806	-3.58052	-3.48031	-3.60918	-3.54523	-4.78878
LSAMP	0	-2.79934	-5.84005	-2.48948	-3.44727	-1.99337	-3.23676	-4.65091
ENPP1	0	-3.75454	-4.28057	-2.96738	-4.1859	-3.62512	-4.11603	-4.21663
CPEB1	0	-2.30378	-5.99145	-0.31835	-2.78301	-2.96732	-1.90131	-3.34104
NTNG1	0	-5.03124	-2.82344	-4.14168	-3.30807	-4.86992	-3.65986	-4.84939
MEIS3P1	0	-4.12522	-4.41369	-2.31774	-2.75074	-3.60642	-3.87083	-5.1804
SYTL2	0	-3.71442	NA	-2.18123	-3.94417	-2.83745	-2.86556	-4.0108
S1PR1	0	-4.95778	-4.82741	-3.43374	-3.59443	-3.94663	-3.31509	-5.06124
RRAD	0	-1.30955	-1.76861	-4.23187	-4.18506	-4.64008	-5.77942	-6.5956
TBXA2R	0	-3.40806	-3.99383	-3.76992	-3.62648	-3.86918	-4.37681	-3.90534
CCDC48	0	-4.0234	-5.98046	-4.77538	-2.75709	-3.47574	-2.9532	-4.83683
GRRP1	0	-4.34394	-4.78702	-3.98536	-3.06555	-4.00287	-3.39833	-4.0496
RSPO3	0	-4.55259	-5.43614	-2.64999	-3.62916	-2.47125	-4.80032	-4.36026
SLC35F1	0	-4.8047	-4.3618	-3.27853	-2.75263	-3.84107	-4.7942	-5.49048
GATM	0	-4.07336	-7.9266	-1.54158	-1.34779	-3.07568	-1.40264	-3.37035
RYR2	0	-4.67556	-5.46536	-3.95188	-3.44525	-3.12991	-1.34117	-6.45361
LARP6	0	-2.83086	-1.31137	-1.56049	-4.30634	-3.14908	-3.8686	-4.11734
MSRB3	0	-3.90544	-4.76752	-1.8844	-5.16012	-3.57407	-4.37838	-3.11477
MLPH	0	-2.75218	-4.34413	-0.79185	-3.97202	-4.29917	-2.58826	-5.33698
RERG	0	-4.39255	-4.63302	-3.52917	-3.24625	-3.85049	-3.50272	-4.7784
ACTBL2	0	-2.65342	-2.71802	-3.24752	-3.97677	NA	-4.41185	-4.43541
MYH3	0	-3.76859	-4.67321	-3.10844	-2.20452	-2.72561	-2.50801	-3.23188
RECK	0	-3.76673	-5.86857	-0.86261	-3.09058	-2.63771	-3.52098	-4.57458
NR1H4	0	-3.59111	-4.18505	-3.9528	-3.67297	-3.70835	-4.2494	-4.29443
DUSP1	0	-3.21562	-4.70559	-3.3505	-3.86489	-4.05827	-4.50501	-6.49516
LRCH2	0	-4.05028	-4.92445	-1.62438	-3.46066	-3.40227	-3.41381	-5.27976
DGKG	0	-5.0684	-5.22845	-1.91423	-3.82837	-2.13912	-1.95411	-1.60848
PDE2A	0	-3.86505	-3.98663	-3.40317	-3.43124	-3.52958	-3.19379	-3.74845

ZEB2	0	-3.60551	-4.26311	-1.86357	-3.82372	-3.1988	-3.31791	-4.74658
SGCD	0	-2.90018	-4.40243	-0.81639	-3.60756	-2.60004	-4.01475	-3.55484
A2M	0	NA	-4.55406	-1.59885	-3.48034	-2.42884	-2.40826	-4.68958
CA5B	0	-3.698	-3.4537	-2.78271	-3.05672	-3.40599	-3.65139	-3.18445
KCNMB1	0	-4.1711	-4.44165	-3.20452	-3.42949	-3.17841	-3.95016	-4.16742
FABP3	0	-3.70333	-5.1496	-2.51072	-4.15439	-4.98459	-4.11852	-4.46202
VWF	0	-3.62635	-4.01063	-2.91679	-3.41678	-3.0913	-2.47985	-4.38633
VIPR2	0	-4.22637	-4.27943	-3.31722	-3.17019	-3.34049	-3.12793	-4.13144
MAN1C1	0	-5.12179	-5.74173	-2.06451	-2.85304	-3.01719	-3.57585	-5.82661
GPR124	0	-3.22111	-5.04224	-2.08387	-3.34576	-2.94741	-3.26993	-4.83721
PRSS35	0	-5.30433	-5.06048	-4.17385	-3.68976	-4.88841	-5.26785	-5.25568
MACROD1	0	-3.44597	-3.87065	-1.9281	-0.87086	-3.07699	-3.10819	-3.94451
NPTX2	0	-5.62841	-4.49836	-2.84018	-5.72257	-3.05149	-4.7186	-4.72635
EPS8	0	-4.24435	-4.73299	-2.43311	-4.12939	-3.41579	-2.87937	-3.89558
PRPH	0	-3.16414	-3.83502	-3.51835	-3.6849	-3.56557	-3.37097	NA
SCGN	0	-4.71854	-5.47798	-4.30848	-2.8564	-5.00044	-5.26029	-5.22772
AGT	0	-4.409	-5.15953	-2.23023	-3.57805	-2.84854	-3.51971	-4.50801
KLHDC9	0	-3.82441	-5.67338	-3.5381	-3.66853	-2.41371	-3.86838	-5.70251
MAGI2-AS1	0	-4.16661	-5.54119	-2.409	-4.85139	-3.98093	-3.41082	-5.09012
FAM153B	0	-4.31886	-3.66915	-2.86846	-4.34738	-3.45433	-3.2871	-5.15376
TCEAL1	0	-3.72579	-4.45173	-2.95244	-3.74748	-3.29864	-3.73488	-3.35947
OSR1	0	-3.6869	-3.76983	-3.86649	-4.39837	-3.22122	-3.94865	-3.62603
CYP4X1	0	-6.34828	-6.6834	-4.28813	-3.16248	-1.69049	-1.14959	-2.88608
NDN	0	-3.43903	-5.07736	-1.284	-3.39257	-3.15642	-3.3589	-5.0928
PLA2G2A	0	-3.74851	-1.91131	-3.43303	-4.23445	-3.98602	-3.75109	-4.1046
MRGPRF	0	-3.80361	-4.53648	-2.24391	-3.87802	-2.86226	-3.12008	-4.0471
PPAPDC3	0	-4.30194	-4.8897	-1.87695	-2.85153	-2.95424	NA	-4.81532
ZBTB47	0	-3.20947	-3.62375	-2.29362	-3.87457	-3.41714	-3.97845	-3.71403
ZNF521	0	-3.31351	-6.03121	-0.37384	-3.8642	-2.84032	-3.18836	-4.76038
TRIM63	0	-3.05224	-4.10168	0.111279	-6.921	-6.56447	-3.35459	-6.21805
SOX5	0	-4.2971	-4.7488	-3.29905	-3.20722	-2.71679	-3.07571	-4.47268
CD302	0	-4.30525	-5.4393	-2.91203	-3.47139	-3.3726	-3.14539	-2.9099
VGLL3	0	-3.26598	-4.61654	-1.98407	-4.76511	-3.06093	-4.49431	-4.11921
RGS22	0	-4.50022	-4.27544	-2.38491	-4.65309	-1.79704	-4.53903	-3.58792
ADAMTSL	0	-4.79916	-4.47931	-3.55327	-4.88006	-3.658	-4.70916	-4.81872
RBP7	0	-2.99741	-4.59205	-3.96062	-3.18235	-4.69511	-4.46113	-2.43392
SERP2	0	-4.59792	-5.81827	-2.13363	-2.92834	-3.44208	-3.52777	-2.79929
ARHGAP26	0	-3.96925	-4.81728	-3.14083	-1.71933	-4.13747	-2.27312	-2.92706
POPDC2	0	-4.35832	-5.33598	-2.96111	-2.57185	-3.96133	-4.77884	-4.57151
SYNDIG1	0	-2.76287	-5.5974	-0.65855	-4.25984	-3.35389	-4.29464	-4.06655
ARMCX2	0	-4.36861	-5.66115	-1.70749	-3.27893	-3.64485	-2.7733	-5.23688
SEMA3D	0	-2.70516	-3.15726	NA	-3.76475	-3.58904	-2.18957	-4.86745
RAMP1	0	-3.96254	-3.77989	-4.0803	-3.29286	-3.22874	-2.94503	-3.68654
ANGPT1	0	-4.49525	-4.75188	-3.07294	-2.66503	-2.21437	-2.47083	-4.09588
IL17B	0	-3.7706	-4.43628	-3.78107	-4.38384	-4.65417	-4.23081	-4.13906
KCNH2	0	-5.14137	-5.71194	-3.34547	-3.58459	-3.82229	NA	-5.68103
PTGDS	0	-3.73253	-4.69546	NA	-3.13919	-2.84201	-4.0622	-4.30617
DIXDC1	0	-3.95759	-3.31962	-2.7531	-3.59423	-3.90761	-4.6281	-4.03096
KIAA0894	0	-5.08665	-4.60191	-2.29319	-3.78649	-1.75616	-4.44756	-4.5361
SPEG	0	-2.75569	-4.324	-2.2796	-3.54319	-3.10856	-3.5284	-3.73108
ADAMTS1	0	-3.05118	-5.07452	-4.55837	-4.96705	-5.41661	-5.56819	-6.01256
SGCG	0	-2.98963	-3.33097	-2.99643	-4.00791	-3.49116	-3.36592	-4.29159
LOC100503	0	-5.00634	-5.22487	-1.80737	-3.64107	-2.93148	-4.33754	-4.37106
PYGM	0	-4.21856	-3.82373	-3.60119	-3.48806	-4.35964	-3.45679	-5.17526
COX7A1	0	-3.63897	-4.38269	-2.48026	-3.95496	-3.52797	-3.63266	-3.98928
FLJ13197	0	-4.38342	-5.48627	-1.02549	-3.00504	-2.69332	-4.47724	-2.4863
CA4	0	-4.58021	-5.37006	-4.95408	-3.09791	-4.63255	-4.20118	-4.28317
PTN	0	-4.19149	-3.40276	-1.26147	-4.23388	-4.65152	-4.70825	-4.56042

CBX7	0	-4.45312	-4.74374	-2.8776	-2.8197	-3.0613	-3.05243	-3.64114
DMD	0	-2.95037	-2.96331	-3.48767	-4.05329	-4.08661	-4.40003	-5.88161
ZSCAN18	0	-4.31594	-5.2998	-2.94305	-2.54378	-3.3204	-3.91609	-4.46854
FAM198A	0	-4.20791	-5.72003	-1.61656	-4.74471	-3.51088	-5.33602	-4.53358
FAM19A2	0	-2.53143	-4.38508	NA	-3.90299	-3.99994	-3.56919	-6.22839
OSR2	0	-2.0938	-2.9037	-3.09542	-3.13845	-4.01862	-3.38383	-4.23835
PPARG	0	-5.24741	-4.68717	-2.44305	-5.06066	-3.8698	-1.99758	-3.16276
DPYSL3	0	-3.55071	-2.91858	-1.10431	-4.35294	-2.34218	-4.26143	-5.50396
RTN1	0	-4.10393	-3.79877	-3.24547	-3.47608	-3.6962	-4.50625	-3.98211
ADCY2	0	-4.62944	-4.02859	-0.76308	-4.66049	-3.98454	-4.63373	-6.07774
GRASP	0	-3.99971	-5.19285	-2.77398	-2.92315	-3.30122	-3.94927	-4.83952
CAB39L	0	-2.74693	-3.02059	-2.52586	-4.43676	-4.05943	-3.17639	-3.562
CCL23	0	-4.34577	-4.20982	-5.82374	-4.04065	-4.92998	-4.62765	-3.79503
RUNX1T1	0	-2.97544	-5.34954	-1.83884	-3.88589	-2.02722	-2.48019	-4.11767
GPX3	0	-3.68821	-3.92746	-4.47288	-4.98771	-4.75049	-0.76827	-5.04831
SOBP	0	-3.41885	-5.14824	-1.52433	-3.41039	-2.40537	-3.16922	-3.54008
TMEM132	0	-4.46519	-3.87763	-2.99449	-3.76545	-3.8364	-4.28241	-6.01988
C10orf107	0	-4.66413	-4.33953	-2.80655	-3.43843	-3.71728	-4.36556	-5.65757
C2CD4B	0	-6.41862	-6.79251	-7.22454	-4.56151	-5.64312	-6.45365	-6.71592
DIO3OS	0	-1.89204	-4.22615	-4.57071	-3.56663	-0.66121	-1.99935	-3.7467
CDH2	0	-3.44997	-1.15779	-2.8289	-4.50973	-5.33852	-5.26315	-5.18142
METTL7A	0	-4.49393	-6.66251	-2.94905	-2.56904	-3.42745	-1.98181	-3.30005
FGF2	0	-4.73127	-5.5182	-3.13249	-2.67675	-4.17023	-3.50398	-5.25387
CFL2	0	-3.7071	-3.76866	-3.23904	-3.49111	NA	NA	-3.71709
TGFBR3	0	-3.80323	-5.09249	-3.15379	-4.34287	-2.56079	-2.8484	-3.93045
PENK	0	-5.51934	-4.93427	-3.93396	-5.57855	-4.69138	-5.12423	-6.1665
KIF5C	0	-3.58026	-4.08932	-0.64441	-3.72291	-3.75241	-3.9287	-3.83558
KIAA2022	0	-5.59849	-5.22048	-2.43079	-4.75576	-3.29977	-3.53404	-5.11084
CPXM2	0	-5.31843	-6.45521	NA	-2.8074	-1.87366	-3.46968	-5.2042
MIR143HC	0	-2.70817	-4.34606	-1.98702	-3.95711	-1.92727	-3.12547	-4.22348
GSTA1	0	-5.16071	-5.30767	-5.09669	-3.77453	-5.70613	-6.17604	-4.63325
RBMS3	0	-3.05557	-4.32192	-2.27811	-3.39757	-3.24593	-3.24073	-5.68261
CNRIP1	0	-3.67873	-5.03456	-1.73372	-4.12908	-3.47935	-3.30109	-4.97574
PLEKHA6	0	-3.34683	-5.49113	-3.43261	-2.60828	-5.6246	-2.78193	-0.82475
PDE5A	0	-4.44579	-6.41436	-2.32447	-3.51278	-3.92794	-3.91785	-4.45123
GLT25D2	0	-5.70868	-5.34838	-3.97267	-3.41458	-4.58151	-4.25564	-4.54036
VIM	0	-4.28228	-2.49492	-1.56177	-4.34142	-3.74727	-4.02443	-4.62794
DDIT4L	0	-3.24174	NA	NA	-5.57039	-0.1982	-2.30505	-5.78944
EDNRB	0	-5.54569	-5.69316	-4.83384	-4.79644	-5.61709	-4.67517	-4.6789
SLC16A12	0	-5.05125	-4.5947	-2.92191	-3.73839	-3.71876	-4.20796	-5.83715
ADAMTS9	0	-3.88606	-4.81908	-2.59049	-2.74747	-3.06061	-2.91323	-5.01467
ABCA6	0	-4.70833	-6.65775	-2.75626	-4.1931	-4.02126	-1.38769	-5.1075
ADRA2C	0	-3.54421	-4.40823	-3.69777	-3.87578	-2.45401	-4.39237	-4.41466
LOC57255	0	-3.60958	-3.86126	-3.01713	-3.99537	-3.00836	-3.60392	-3.05924
EPHA3	0	-6.13671	-5.76409	-1.61044	-4.66402	-3.47292	-3.64192	-6.65706
RSPO2	0	-4.76525	-4.48769	-3.28961	-3.56644	-3.80513	-4.29961	-5.87457
KCNMA1	0	-5.74991	-3.72933	-3.49881	-4.55359	-2.44603	-5.4824	-5.00749
CSRNP3	0	-5.952	-5.74411	-1.18704	-4.54465	-3.55315	-4.10408	-6.87077
PARM1	0	-4.40746	-5.30307	-3.60863	-3.10245	-3.82661	-3.09099	-5.11845
CPE	0	-4.13326	-7.56612	-3.17633	-3.35553	-3.91627	-2.49342	-3.14184
SYBU	0	-1.64417	-6.71994	-2.19131	-2.84191	-2.25787	-2.17221	-5.4001
ITIH1	0	-4.79583	-4.40775	-4.72566	-3.5731	-4.84891	-4.44296	-3.96301
SMOC1	0	-3.72731	-4.60186	NA	-3.8687	-4.25272	-5.11937	-2.27247
SYTL4	0	-4.47249	-6.7761	-2.6997	-4.86818	-4.17108	-3.86149	-1.04862
SMARCD3	0	-3.92374	NA	-2.70378	-3.52907	-1.83335	-3.25749	-4.88429
KCNK3	0	-4.4665	-3.9921	-3.69767	-4.45539	-4.08763	-4.27118	-4.16488
EPDR1	0	-3.14602	-5.1489	-1.92129	-3.82655	-2.48883	-3.38206	-5.28764
RASL12	0	-3.8922	-4.44696	-3.20571	-3.86923	-3.10015	-4.01125	-4.48385

MUSTN1	0	-3.67592	-3.87642	-3.97692	-3.67377	-3.80191	-3.89597	-3.95207
GPIHBP1	0	-4.26815	-4.69405	-3.6997	-3.68051	-3.13985	-3.46471	-4.73101
TTR	0	-5.37913	-5.16778	-3.55253	-2.91418	-4.09322	-4.53593	-5.65972
ITIH5	0	-4.67301	-4.32426	-4.46558	-3.57978	-4.11681	-4.01469	-5.43331
AMOT	0	-5.45974	-5.1938	-2.24829	-4.81422	-4.5326	-1.58475	-5.78189
GULP1	0	-3.77399	-6.68292	-2.60277	-4.81342	-3.48053	-2.8419	-5.47213
CX3CL1	0	-5.54345	-4.54201	NA	-2.49482	-1.23882	NA	-4.88699
FILIP1	0	-4.52655	-5.81995	-2.94494	-3.73117	-3.04558	-4.1091	-4.07316
CCDC3	0	-4.18601	-6.22523	-4.0914	-2.14268	-2.66979	-3.53138	-6.01303
RBPMS	0	-4.97514	-5.40192	-3.64099	-4.39432	-4.22726	-4.71214	-5.42169
SUSD2	0	-4.32982	-4.61309	-2.64906	-3.64626	-3.90429	-4.19395	-4.59194
PCSK7	0	-4.41765	-5.54573	-3.37608	-3.46144	-3.15686	-5.21175	-4.06566
EYA4	0	-6.02414	-5.7738	-0.80864	-1.73883	-3.03681	-4.43873	-6.56688
CTTNBP2	0	-5.6781	-5.55353	-0.08098	-5.04391	-3.44313	-5.55842	-7.02256
NMUR1	0	-4.70219	-4.79002	-5.09596	-3.9006	-6.02782	-5.75987	-4.7761
GPR133	0	-4.8171	-5.3352	-3.70774	-4.49429	-3.75469	-4.76326	-5.14032
AOX1	0	-4.66493	-5.13055	-4.57821	-4.28022	-3.79667	-3.83941	-4.11506
GRIK3	0	-4.33803	-3.91665	-3.38023	-4.14791	-3.93041	-3.11408	-5.89359
ADCY5	0	-3.8341	-3.48575	-3.94634	-3.81727	-3.3941	-4.55569	-4.90424
SORCS3	0	-5.26462	-4.73411	-3.49699	-3.38444	-4.39988	-4.75374	-6.26941
SORBS2	0	-4.01199	-4.575	-3.10716	-4.60487	-3.64532	-4.32308	-4.47347
MEOX2	0	-3.90933	-4.77533	-3.04363	-4.48149	-3.8546	-4.50493	-5.50006
PTGFR	0	-3.94173	-5.84185	-4.75128	-3.53739	-5.42454	-2.82923	-4.41528
FXVD1	0	-4.31007	-4.22896	-3.71212	-3.94203	-3.77497	-4.17683	-4.42784
ENPP5	0	-5.51401	-4.84162	-4.46607	-5.02685	-5.22929	-4.38029	-1.72912
BMX	0	-5.63954	-5.37272	-5.32078	-4.77607	-5.8447	-4.15748	-5.37237
KAZALD1	0	-4.2396	-4.77741	-3.84433	-2.77341	-4.76055	-4.14112	-5.43023
HBD	0	-2.68067	-5.80799	-5.48143	-3.63762	-6.3569	-6.43911	-6.96395
JAM2	0	-5.08708	-6.68531	-3.73536	-4.64621	-4.29641	-3.40183	-5.42212
TPO	0	-4.22986	-4.32186	-2.46257	-4.52918	-1.88399	-2.92804	-4.97188
VWCE	0	-3.22128	-4.7295	-1.05525	-3.33042	-3.90598	-3.97811	-4.68822
FMO2	0	-5.51593	-5.8819	-1.97935	-3.87706	-5.00861	-4.21384	-5.73417
MYL9	0	-3.24676	-4.35291	-2.41256	-4.60812	-3.06866	-3.9414	-3.94741
RNASE4	0	-3.44679	-3.98312	-3.408	-4.40882	-3.99819	-4.11559	-4.93242
ANO2	0	-4.37875	-5.07028	-4.46353	-2.88404	-4.86159	-3.4878	-5.07453
ASPA	0	-5.29105	-4.86853	-3.32492	-3.83936	-4.16818	-4.6508	-4.96786
MAOB	0	-3.86107	-5.13521	-3.91425	NA	-3.9557	-4.64917	-4.55442
EMX2OS	0	-4.03116	-6.01237	-5.33052	-4.13836	-4.55773	-4.46249	-4.925
MYOZ1	0	-5.07519	-5.07781	-4.94872	-4.24293	-4.43989	-5.79169	-4.05193
SORCS1	0	-2.7142	-5.26521	-2.95789	-4.71388	-2.75539	-4.10671	-6.67498
PRELP	0	-3.77418	-4.53366	-3.51744	-4.13076	-2.82014	-3.04345	-4.2026
SSBP2	0	-6.2748	-6.12015	-2.61371	-4.59611	NA	-4.49532	-5.28271
NAP1L3	0	-5.61859	-5.51762	-1.4031	-4.4111	-4.09279	-5.12236	-6.76068
CD34	0	-4.91886	-5.21284	-4.18831	-3.87723	-4.48421	-3.65566	-5.08657
SNTG2	0	-4.70387	-4.94828	-4.91192	-3.61778	-5.44842	-3.73569	-5.41007
HRCT1	0	-5.15707	-2.59671	-3.81103	-3.87824	-3.90802	-3.73667	-4.6874
PDE1A	0	-4.34706	-6.00371	-2.79022	-4.01187	-3.53454	-3.57661	-5.01826
KLF9	0	-3.97749	-4.20216	-2.38599	-4.40815	-3.78178	-3.96337	-3.7493
EYA1	0	-5.34776	-4.97318	-0.63343	-5.07364	-3.11597	-4.9712	-5.80735
PMP2	0	-5.13487	-4.84353	-3.47362	-3.57146	-4.49913	-4.85736	-6.43801
SHISA3	0	-4.88577	-4.48032	-2.84879	-4.23163	-2.72488	-4.277	-5.76142
PPARGC1,	0	-7.01396	-6.78632	NA	-3.51602	-5.7919	NA	-3.62905
TCEAL2	0	-4.37112	-4.53771	-3.3075	-4.06128	-4.19503	-5.20716	-5.38076
FBLN1	0	-4.34276	-6.3148	-2.08665	-3.47997	-3.70984	-4.0979	-4.21953
GSTA5	0	-5.02293	-5.27373	-4.8781	-4.86597	-5.4464	-5.60126	-4.84862
GLDN	0	-4.10072	-4.30915	-3.7004	-4.56512	-4.14192	-3.87329	-6.29937
ACTA2	0	-3.9279	-4.50544	-2.79801	-4.43521	-3.59193	-4.62326	-4.95833
ADRA2A	0	-4.32906	-4.72607	-3.58969	-3.83847	-4.0253	-3.62974	-4.81553

FZD7	0	-3.42138	-4.58937	-1.70492	-4.22597	-4.30785	-4.49833	-5.61493
LOC10029	0	-4.2926	-5.44437	-4.9181	-3.75022	NA	-4.1868	-5.27624
PPP1R14A	0	-4.14832	-4.93924	-3.59973	-4.98689	-3.60054	-4.7043	-3.11024
PRRT2	0	-2.90808	-4.6771	-3.11467	-2.66927	-2.35259	-3.29866	-4.33774
ADAM22	0	-5.76712	-5.43792	-3.68464	-4.77869	-4.5135	-4.30761	-5.99027
SUSD5	0	-4.3813	-5.81256	-4.36873	-3.78327	-5.32189	-5.87192	-7.23938
SHISA6	0	-4.11321	-4.93598	-3.61829	-1.50768	-4.44002	-4.55839	-6.51602
COMP	0	-4.7731	-5.65795	-2.47149	-4.23363	-2.4016	-2.72378	-4.92126
MFAP4	0	-4.22623	-5.28582	-2.59576	-4.30653	-2.97824	-3.83656	-4.84941
SDPR	0	-6.95122	-5.19207	-4.96086	-4.53553	-4.60773	-4.4288	-5.46913
RBPMS2	0	-5.52883	-5.09364	-3.23624	-4.00826	-4.40031	-4.74638	-4.82245
C7orf58	0	-3.55797	NA	-3.11033	-5.66953	-3.88657	NA	-4.74924
HSPB3	0	-4.42281	-7.37682	0.489774	-2.45955	-5.7001	-1.37585	-7.75093
PDZRN3	0	-3.74234	-5.10589	-1.19487	-5.37851	-3.56338	-4.41409	-6.22392
ZNF385D	0	-6.41245	-6.69883	-4.22675	-4.96176	-4.46418	-4.83796	-5.49794
APOLD1	0	-4.58228	-5.13754	-3.63343	-4.40043	-4.03861	-5.27487	-4.70321
NOSTRIN	0	-5.3595	-5.29413	-3.66866	-3.47246	-3.6672	-2.47601	-4.71901
OCA2	0	-6.28813	-6.88065	-5.48038	0.832301	-5.97499	-2.79153	-8.05315
MYLK	0	-3.82628	-5.11986	-1.83973	-4.23207	-3.17459	-4.53643	-4.50195
C5orf4	0	-4.78623	-5.80572	-3.73725	-3.83083	-3.50163	-3.94106	-4.18528
CACNB2	0	-5.72255	-5.7492	-4.92794	-4.53894	-4.17441	-5.50904	-5.26087
TSPAN8	0	-5.02066	-4.61525	-1.80927	-4.40543	NA	-1.57819	-5.70313
HS6ST3	0	-6.93517	-6.59997	-5.01989	-4.05522	-5.79275	-6.22045	-7.57465
CFHR3	0	-3.91391	-4.40786	-2.91858	-4.69317	-3.27736	-3.31446	-3.48135
C8orf84	0	-5.46289	-5.15188	-3.86467	-3.37896	-4.46477	-5.07057	-6.79551
IGF1	0	-4.53193	-4.89314	-2.68057	-4.804	-3.64537	-4.40077	-4.88029
ITGA7	0	-3.10004	-5.83737	-4.39276	-3.91695	-3.56666	-4.60077	-4.65486
AKAP12	0	-5.01038	-5.43847	-2.52653	-4.30511	-4.47727	-4.28197	-5.90661
MMRN1	0	-6.23585	-6.42906	-5.51586	-5.22457	-4.3124	-3.73485	-8.02282
PPAP2B	0	-4.55909	-5.63936	-3.66357	-4.74063	-3.44609	-3.57353	-5.19183
TSPYL5	0	-4.69434	-5.802	-2.21511	-3.91148	-4.44719	-4.88579	-5.78577
PKNOX2	0	-5.77417	-5.90185	-4.43623	-4.70404	-4.3765	-4.40881	-7.11248
C1QTNF7	0	-5.32967	-4.72012	-2.72621	-5.06996	-2.82634	-4.51842	-4.24731
PCSK2	0	-5.07823	-4.77289	-3.5654	-4.31055	-4.27697	-4.54952	-6.12948
PPP1R9A	0	-5.85502	-5.80183	-3.72528	-4.03924	-4.74703	-3.64793	-4.43768
SGCA	0	-4.40751	-4.94886	-3.68589	-4.50001	-3.21222	-4.30977	-4.75056
PI16	0	-3.77418	-4.52531	-3.92116	-4.05104	-4.23918	-4.30923	-3.97543
NBEA	0	-4.20122	-7.00107	-2.50809	-4.45528	-3.16052	-3.92872	-5.95046
SH3BGRL2	0	-4.46239	-5.45152	-4.1291	-3.66985	-5.08701	-4.36981	-4.34773
CRHBP	0	-6.41485	-5.82157	-4.89885	-4.81526	-5.66883	-4.74314	-5.582
CPNE4	0	-5.75689	-5.41323	-4.1169	-4.42666	-4.95547	-4.20394	-6.85126
EFHA2	0	-3.89136	-5.92485	-1.73976	-3.18881	-2.83743	-3.24264	-4.31788
MIR100HC	0	-6.12061	-4.90496	-3.39556	-5.72578	-4.26595	-4.82699	-5.37304
THBS4	0	-5.10439	-5.26215	-0.25633	-3.11076	-1.91664	-2.64294	-6.00908
ISL1	0	-7.36965	-3.43008	-3.01241	-1.73262	-4.51369	-3.29515	-7.08003
SOST	0	-4.33844	-6.26168	-6.61023	-1.93488	-3.74732	-3.48112	-6.03365
RASD1	0	-4.16682	-6.28033	-3.52596	-5.28344	-4.09229	-4.24833	-6.10469
HEY2	0	-3.47131	-5.14341	-2.70574	-4.81375	-3.83804	-3.46141	-4.7911
NPY1R	0	-5.25394	-4.75263	-0.35226	-4.63192	-4.11619	-4.55922	-6.10672
SRD5A2	0	-6.12646	-5.95299	-4.79057	-5.78715	-2.52729	-4.57729	-5.45537
LOC1005C	0	-4.05246	-5.64605	-2.01571	-3.92855	-2.57003	-2.16616	-3.87817
NR2F2	0	-4.44324	-4.52935	-3.3841	-4.06121	-3.84585	-3.20674	-4.9697
WISP2	0	-3.76862	-5.29376	-2.64851	-5.06096	-3.88488	-4.89899	-4.59633
MAGI2	0	-4.82163	-6.51796	-2.92957	-4.65806	-3.70561	-4.59093	-6.79184
TEK	0	-5.13647	-6.11157	-4.26026	-4.28437	-4.87788	-4.52793	-4.72006
TYR	0	-7.01131	-7.09001	-6.0377	-3.67876	-6.61907	-7.06257	-7.9463
RGN	0	-4.71146	-5.8617	-2.58171	-4.43237	-2.84604	-4.15612	-6.08578
LOC10012	0	-4.97936	-4.74788	-2.32425	-5.01058	-2.37614	NA	-2.749

SLC2A4	0	-4.70722	-5.61481	-4.481	-4.51905	-3.49901	-5.59801	-4.52459
MAL	0	-5.77634	-6.0329	-5.39902	-4.99648	-6.29845	-6.16246	-6.52219
CAND2	0	-5.69649	-6.69011	-4.45232	-2.35472	-4.00824	-3.7971	-1.76606
LOC28317	0	-4.97032	-5.12718	-2.74606	-4.38269	-2.42213	-3.99272	-5.01656
FOXF1	0	-5.27344	-6.26025	-4.22292	-3.71157	-4.06611	-4.2734	-5.69388
HSPB7	0	-4.83585	-5.13364	-3.97877	-4.61913	-3.49026	-4.56695	-4.89867
CCDC85A	0	-5.59212	-5.21887	-4.00825	-5.11512	-4.81229	-4.73925	-5.07374
PPP1R12B	0	-3.36343	-5.39403	-2.73918	-4.00522	-2.68505	-3.46156	-5.01958
OGN	0	-4.40357	-3.92574	1.010332	-5.80426	-1.52684	-3.39233	-3.06501
CFH	0	-3.86847	-4.18058	-2.70057	-4.49176	-3.29865	-3.37779	-3.27042
CLIC5	0	-6.11402	-5.77887	-4.49206	-5.26231	-5.04666	-4.19638	-7.12445
CYP4B1	0	-5.99821	-6.33816	-4.02602	-2.55553	-5.41093	-1.86772	-7.47489
APOD	0	-3.95813	-4.65849	-4.32132	-5.35543	-5.0057	-4.78589	-4.51533
TMOD1	0	-4.00088	-5.43403	-3.25345	-5.69715	-3.44758	-5.02004	-5.79869
FHL5	0	-5.65625	-5.4354	-4.27948	-5.23413	-4.93755	-5.30747	-6.89564
XIST	0	-5.52434	-5.12896	-3.70996	-4.68728	-4.53531	-4.91776	-4.97817
MAP1B	0	-4.5312	-4.5533	NA	-4.62316	-3.87389	-4.58468	-5.91994
MYOM1	0	-4.76026	-5.13017	-3.84749	-4.06143	-4.28453	-4.25705	-4.91837
LMO3	0	-5.01531	-4.65423	-3.26562	-5.04305	-3.45697	-2.76933	-6.13737
PNMT	0	-3.8442	-5.35643	-5.00377	-4.26639	-5.61833	-6.01213	-4.94638
SLITRK4	0	-4.627	-5.28481	-3.41128	-4.96344	-3.74417	-2.98386	-5.2066
CYP1B1	0	-4.15884	-5.78145	-3.05742	-4.04943	-3.87595	-5.40095	-5.02877
RAB9B	0	-6.05849	-5.77	-3.23346	-5.0127	-5.08255	-5.56464	-3.52778
GSTA2	0	-4.75673	-4.89513	-5.34413	-4.35385	-5.23495	-5.40981	-5.27106
GPRASP1	0	-4.60875	-6.15208	-2.97627	-3.34232	-3.6744	-3.50926	-5.21068
HSPB2	0	-4.6788	-5.84188	-2.80076	-4.71244	-4.64167	-4.78047	-5.62746
RAI2	0	-5.52201	-7.55189	-3.23648	-4.69078	-4.2552	-4.26464	-6.45154
PLCB4	0	-4.84664	-6.56	-3.18428	-4.30978	-3.97809	-6.00707	-6.60805
NUDT10	0	-5.25151	-6.79033	-2.33068	-5.44701	-5.26435	-5.03726	-5.79507
ELN	0	-4.88	-5.92131	-4.54436	-5.72187	-3.15188	-4.269	-4.36375
BEX1	0	-6.13403	-5.68403	-4.19345	-4.59103	-4.80173	-5.35996	-6.92201
RADIL	0	-4.42771	-6.18864	-3.65792	-4.42761	-5.68505	-5.00919	-6.14552
TYRP1	0	-6.98989	-7.79594	-5.66463	-3.96498	-7.46375	-8.07286	-6.95522
XKR4	0	-6.15842	-5.89393	-3.9233	-4.60867	-4.66208	-5.1363	-6.42861
CNTN2	0	-5.10819	-5.30808	-4.81799	-4.96699	-4.31607	-4.93768	-4.94216
MYH11	0	-4.80903	-5.10007	-3.55269	-4.79386	-3.66819	-4.56937	-5.368
NLGN1	0	-6.01324	-5.60731	-3.55214	-4.78163	-5.00326	-5.54847	-6.83681
ITIH3	0	-4.53332	-4.86282	-4.8783	-4.72845	-4.36698	-4.29261	-5.20933
C8orf22	0	-6.24976	-6.12928	-5.2033	-5.65231	-5.81033	-6.24489	-6.22966
SYNPO2	0	-5.18338	-5.56727	-6.02749	-4.68943	-4.38708	-5.43364	-6.978
PLAC9	0	-5.05347	-6.31413	-3.0065	-5.83799	-4.66821	-3.97398	-4.87717
TMEM47	0	-4.85982	-6.37626	-3.36878	-6.43202	-4.83357	-5.15533	-7.27451
CNR1	0	-6.43923	-6.08636	-5.16994	-4.54565	-5.77389	-6.18003	-7.00861
EMCN	0	-6.27179	-6.67095	-4.33911	-4.536	-4.87655	-3.55423	-6.49163
KCNAB1	0	-5.12088	-5.48956	-4.83302	-4.4515	-5.36896	-5.79927	-5.2671
EBF1	0	-5.30555	-6.40154	-3.9696	-4.38433	-4.85764	-4.6026	-6.13416
AR	0	-4.60836	-6.82063	-2.28824	-4.24321	-3.552	-3.58267	-6.48022
RBM24	0	-6.11432	-5.61858	-3.90816	-5.29578	-5.13722	-5.52163	-6.26484
TNXB	0	-3.95538	-5.18701	-4.27604	-3.99925	-4.4002	-4.10018	-4.75933
LMOD1	0	-5.23704	-5.60854	-4.13702	-4.78044	-3.9081	-5.38596	-5.82033
KCNB1	0	-6.25586	-6.17206	-4.65866	-4.7125	-3.6025	-4.72757	-6.62122
FRY	0	-5.91717	-7.80321	-4.29622	-3.57962	-4.21983	-3.70455	-6.32371
CLEC3B	0	-4.97924	-5.43729	-4.23377	-4.42603	-4.27865	-4.83201	-5.05998
SORBS1	0	-5.09117	-5.52367	-3.75344	-4.98005	-4.01689	-5.64461	-5.55094
HOXA13	0	-6.17118	-7.7897	-3.42215	-4.27792	-4.20767	-3.61011	-2.23805
CASQ2	0	-6.25966	-5.90896	-4.91307	NA	-4.95144	-6.00284	-6.75723
CRLF1	0	-4.21725	-5.33563	-4.90969	-5.48917	-4.86087	-6.68561	-7.39614
CXCL12	0	-5.09869	-7.63018	-3.39218	-4.86363	-3.53218	-4.34961	-7.00896

GPM6A	0	-6.11116	-5.74829	-3.4515	-5.20248	-5.13825	-5.73805	-5.62794
TMEM100	0	-6.71212	-6.74872	-4.67089	-5.76787	-6.41889	-5.08713	-7.2329
NTF3	0	-4.00373	-6.00885	-4.48943	-5.22248	-4.86648	-5.01071	-6.18353
ZBTB16	0	-4.39889	-4.53626	-4.66927	-5.02328	-4.2883	-5.00347	-5.05643
KCNE4	0	-3.96308	-5.35763	-2.38377	-3.87835	-3.75814	-4.66594	-5.85727
GNAZ	0	-5.41504	-6.28813	-3.8354	-4.46521	-3.95464	-5.40819	-6.54489
HBB	0	-4.14517	-8.43323	-7.20358	-4.28325	-8.56279	-8.35988	-8.99306
GRIN2A	0	-6.49394	-6.08199	-4.83615	-2.18346	-5.48949	-5.95628	-7.39837
FHL1	0	-5.25664	-5.458	-4.10234	-5.45628	-4.87945	-6.08848	-6.08759
CGNL1	0	-4.77644	-6.42463	-1.74357	-4.16443	-4.3352	-4.86967	-5.87045
SCARA5	0	-4.22903	-6.05143	-4.17434	-4.46028	-6.4511	-4.47576	-5.93662
CKMT2	0	-6.40482	-6.18305	-5.19058	-5.34332	-5.72918	-6.16985	-6.10432
ARHGAP6	0	-5.66954	-6.12839	-4.85331	-6.02911	-4.48258	-4.67249	-5.96085
GALNTL1	0	-4.63109	-5.18138	-5.21036	-5.62966	-6.07525	-6.02986	-5.98739
COL21A1	0	-6.6151	-6.51872	NA	-3.77549	-3.68753	-4.28938	-6.61611
CFD	0	-5.65767	-5.32413	NA	-5.58698	-5.69028	-5.27254	NA
NPTX1	0	-2.66334	-6.33894	-5.7639	-3.53386	-6.29561	-6.85438	-4.82453
LIFR	0	-5.65437	-5.30624	-3.63814	-4.56447	-4.5861	-4.49726	-4.48839
RERGL	0	-4.71955	-5.06027	-5.21231	-6.45666	-5.83969	-4.98494	-6.85486
DCLK1	0	-5.72175	-7.03264	-1.57632	-5.75105	-4.27031	-5.8092	-5.98152
ABI3BP	0	-5.05403	-6.32326	-2.27674	-4.94131	-3.27771	-4.531	-6.86225
RNF112	0	-3.64987	-6.43164	-3.10552	-4.56018	-4.02414	-3.61062	-6.31501
TMEM35	0	-4.67758	-5.53949	-4.08593	-5.49435	-5.0665	-5.05794	-5.91779
LONRF2	0	-7.24558	-6.89579	-4.42183	-5.51091	-4.19495	-6.97727	-8.16507
DES	0	-4.94551	-5.49908	-4.14984	-5.40692	-4.08915	-5.78294	-6.03141
NTRK3	0	-6.60631	-6.24385	-5.10054	-5.57574	-5.63001	-6.09915	-6.7244
PPP1R3C	0	-6.15984	-4.25795	-3.44949	-7.87164	-6.19074	-5.03839	-5.91858
FGFBP2	0	-7.14034	NA	-5.99138	-6.37067	-7.05799	-2.61989	-5.00791
SYNM	0	-6.81557	-6.83114	-4.66125	-4.48331	-4.66893	-5.06185	-4.75689
MYOT	0	-6.62726	-6.32955	-5.1046	-6.19258	-5.61762	-6.16968	-7.23457
PGM5	0	-6.449	-6.26792	-3.25289	-6.11841	-3.4445	-4.79354	-7.39574
LPHN3	0	-5.8442	-7.04236	NA	-5.8724	-5.41464	NA	-7.1927
GDF10	0	-6.61912	-6.96975	-5.6646	-5.17321	-6.32544	-6.8583	-7.82042
SCN7A	0	-5.83575	-5.41153	-3.90512	-5.75158	-4.98196	-5.51852	-6.9241
ITGA8	0	-5.88407	-6.24021	-3.68532	-5.4976	-3.79228	-4.93686	-6.57635
SLC17A8	0	-5.75668	-5.8644	-5.2069	-5.93563	-5.81213	-6.32691	-6.79978
PLP1	0	-5.75204	-4.93618	-4.48007	-6.86891	NA	-6.34454	-7.55808
ARHGAP2	0	-5.08786	NA	NA	-6.26373	-5.29433	-5.10189	-6.6856
SCRG1	0	-5.45706	-5.91049	-3.92775	-5.19172	-4.03366	-5.92912	-5.82373
PRDM16	0	-6.22529	-8.1118	-3.85189	-6.04698	-3.47897	-6.08386	-9.27874
SPARCL1	0	-7.04355	-7.50104	-4.39683	-5.57448	-5.38672	-4.98252	-7.49283
C10orf10	0	NA	-5.77129	-6.48906	-5.59908	-5.58049	-6.11607	-6.41164
ADRA1B	0	-5.41341	-3.74418	-6.07316	-5.8169	-6.71641	-7.07342	-5.36625
EDN3	0	-7.5808	-7.97499	-6.5439	-5.44734	-7.06115	-7.19538	-7.10782
ACTC1	0	-6.07488	-6.70531	-5.95042	-5.27191	-6.80332	-7.0944	-6.5408
ACTG2	0	-5.94086	-6.26834	-5.05362	-5.90485	-5.1618	-6.27533	-6.14359
FAM150B	0	-6.47631	-8.11796	-6.72484	-4.7854	-6.63534	-7.8572	-6.76708
PLN	0	-6.17005	-7.44512	-3.10414	-6.45287	-3.7595	-6.18344	-7.19072
RCAN2	0	-5.26428	-7.20164	-2.41731	-6.5234	-4.5148	-5.64444	-6.49944
DACT3	0	-5.90037	-7.89048	-3.72883	-4.93256	-4.83937	-6.79191	-7.47014
OLFM4	0	-8.21351	-7.49076	-6.8298	-7.47207	-8.59952	-7.30918	-8.32
PTGIS	0	-6.24489	-6.79809	-4.27119	-6.3199	-4.64955	-6.85886	-6.46833
RGS5	0	-6.77868	-8.07059	-4.87341	-6.04381	-5.14049	-4.84837	-6.80341
PLCXD3	0	-7.83632	-7.58548	-5.8167	-6.34012	-6.35046	-5.76045	-8.25461
PDLIM3	0	-6.0263	-7.48966	-3.79439	-5.66783	-4.71426	-6.51018	-7.45987
KLF2	0	-6.50075	-7.99461	-5.41534	-4.50298	-6.20594	-6.33109	-8.1063
PCDH20	0	NA	-7.24829	-6.09392	-5.90335	-6.76276	-6.94714	-8.88115
MYRIP	0	-7.78336	-7.85572	-6.62233	-6.7836	-6.31248	-5.29163	-7.92653

LDB3	0	-6.36337	-6.68865	-5.81384	-6.89786	-5.53204	-6.40589	-6.29538
PTCHD1	0	-7.2463	-7.0438	-5.87273	-5.90375	-6.46274	-6.92831	NA
CILP	0	-5.26738	-6.62635	-2.89886	-6.59505	-4.51537	-6.51465	-6.53532
CDH19	0	-5.79065	-6.6655	-6.44283	-5.93498	-6.81232	-7.59144	-7.98964
VIT	0	-7.61689	-7.27219	-6.17904	-6.31912	-5.82963	-4.72567	-6.89231
ANGPTL1	0	-6.57289	-7.03982	-5.64147	-6.16114	-6.34014	-6.98184	-7.1762
PCOLCE2	0	-6.32354	-6.7729	-3.4387	-6.70486	-6.9891	-6.25807	-4.10807
AOC3	0	-6.05088	-6.62776	-4.97119	-6.98473	-4.93791	-5.98642	-6.82876
PDZRN4	0	-7.33267	-6.97985	-3.69416	-5.7263	-4.75128	-6.87768	-7.09247
CNN1	0	-6.8794	-7.32987	-4.45722	-6.23661	-4.83542	-7.11055	-7.07121
PRUNE2	0	-7.10269	-9.05813	-2.53313	-7.35152	-4.28672	-5.98707	-7.18481
CPAMD8	0	-6.41187	-6.35315	-5.19679	-6.4212	-6.26499	-6.57107	-7.33843
PDK4	0	-7.09544	-7.26235	-5.99451	-8.45397	-6.25652	-5.75259	-7.73645
C11orf96	0	-7.37147	-8.2175	-5.51634	-7.2412	-6.45816	-8.383	-8.73767
MYOC	0	-6.61361	-6.5795	-6.59202	-7.10203	-6.64134	NA	-6.68434
FRZB	0	-8.47132	-10.9093	NA	-5.5158	-5.24266	-6.61429	-8.82276
CHRD1	0	-7.60218	-7.91688	-8.62151	-7.17042	-7.6272	-8.16596	-8.2476
ATP1A2	0	-7.6923	-8.362	-5.13725	-8.16803	-5.6	-7.79766	-8.54755
ANGPTL7	0	-8.78367	-8.61185	-6.88944	-9.15662	-7.46916	-7.93132	-9.07747

GSM1398	GSM1398	GSM1398	GSM1398	GSM1398	GSM1398	GSM1398	GSM1398	GSM1398
5.584711	6.717612	8.277081	5.304631	5.732784	6.608933	8.317347	9.146221	8.604678
7.128417	-2.54529	6.989882	6.027407	6.839034	4.884646	7.288783	6.942468	6.269439
6.574237	5.541799	6.937879	4.366511	3.983901	4.531258	8.126331	8.30796	6.969204
5.662502	6.363934	3.52158	4.658515	5.559691	5.153731	7.077413	7.161145	5.398307
9.207984	5.903742	7.341448	1.534169	4.754217	2.751262	7.739416	6.499505	7.408921
2.772493	4.183498	4.050962	2.855284	2.285703	2.586138	5.315169	6.2015	6.59291
3.454503	4.639805	7.099097	5.600819	5.90792	2.872851	7.160842	5.166194	6.338186
4.750438	-1.80909	6.56336	3.335256	-0.56679	4.910427	8.105769	8.159524	7.093695
2.093615	4.93667	3.165327	4.228848	3.412564	3.596992	6.696853	6.157636	4.808754
4.195397	2.907614	4.036893	3.656715	3.89809	3.64413	5.974466	7.652124	5.819605
4.687096	3.990805	5.030101	4.125351	4.805118	NA	5.691692	6.367588	6.083931
4.842835	4.09199	4.127926	2.822329	4.88641	2.477578	6.290558	6.494228	5.664122
3.673405	5.917624	3.125163	2.517668	5.520949	3.267011	5.487385	5.654874	5.352428
4.797473	4.260326	3.568294	4.514946	5.192538	4.567876	5.420987	6.930732	5.091775
3.411403	3.809178	3.243067	3.460398	3.285544	4.507777	6.239638	5.985073	5.214408
0.520989	5.77957	3.600434	2.003036	2.909823	5.061005	6.073566	6.460126	5.525404
4.653795	4.707477	4.679425	3.95339	3.605923	2.528429	6.334348	4.843392	6.451183
5.77093	4.396337	6.350041	3.380187	5.296017	3.012547	5.37972	5.959541	4.847868
4.386366	2.791138	1.643314	1.013097	-3.00801	4.563573	9.855122	8.957646	NA
8.353795	9.179679	0.955751	NA	5.67867	2.738802	6.453034	NA	8.327413
4.389896	4.145607	4.210116	NA	4.21538	3.287474	6.03903	5.388226	5.450879
0.415819	2.457141	1.236809	NA	7.831931	4.941753	2.75043	2.451402	1.670133
5.772885	-1.55715	4.407941	NA	0.700929	4.419375	6.469061	4.565367	5.854047
3.152513	3.992275	4.166369	3.527004	3.341654	3.250143	6.300889	5.904443	5.51203
5.144749	4.111753	4.710611	NA	4.163771	3.094991	4.443765	5.434417	4.369835
5.047143	2.685796	2.239074	3.841633	3.10671	3.410102	5.294773	5.376711	5.049953
4.378222	4.003822	3.069162	NA	-0.24604	2.402722	5.66851	6.043969	4.96963
3.516581	4.576121	3.495505	2.178184	3.475563	4.633464	4.795928	5.252517	4.852068
3.167643	-0.37512	3.784303	2.535154	-0.23617	3.129525	5.928583	5.181074	5.155279
5.061963	-3.85465	2.527479	5.371068	-2.54277	4.215776	5.170668	5.005783	NA
-1.25313	7.844315	3.110239	2.557173	4.430453	6.521809	5.448343	5.958208	6.905099
2.754294	-0.71856	2.24633	5.89604	3.27684	NA	5.964219	4.824025	6.724333
4.621794	4.494903	3.778534	3.743967	3.423533	3.976296	5.030058	5.112743	5.495566
4.839037	3.702148	5.463647	4.932212	4.248107	NA	5.433872	5.271278	4.849132
3.916125	4.620328	3.80981	3.846392	3.734225	2.408143	4.496578	4.599047	4.283645
2.35411	0.792547	5.492625	4.864757	0.709065	5.610265	4.376736	2.708773	6.321879
3.834862	3.953252	4.345831	4.196545	4.643573	2.433664	5.106894	5.538622	4.851663
5.753596	1.770926	3.731335	3.17678	2.259609	2.596892	6.751797	6.635756	5.608006
4.72445	1.992671	3.910218	4.368422	2.858834	1.233247	5.311194	5.329842	5.152761
1.754147	6.206283	0.827002	3.224335	1.97643	5.3873	7.609844	6.341878	5.777628
4.941641	1.90791	3.251334	4.908682	3.409383	2.175547	5.453278	5.740285	4.694528
6.028077	4.830131	5.037035	5.086992	4.814926	1.904463	3.520479	6.799959	3.690515
3.042091	4.558923	3.806089	3.371457	3.058569	2.562674	5.766614	4.582684	4.6053
4.327132	3.099495	4.091012	4.344691	4.101838	3.669332	5.180518	5.323194	4.005465
6.124156	5.376499	2.563627	1.871182	3.471406	3.040442	5.631291	3.713519	4.911809
5.480913	4.69313	4.204948	NA	3.61286	4.732267	3.648109	4.736312	5.518816
2.903204	2.596104	-0.29486	5.611297	-1.05423	3.466844	6.808522	3.27213	5.945315
3.945034	3.58448	5.080416	NA	4.38091	2.223516	6.168077	5.549852	5.382616
4.757876	-2.77645	3.223377	3.911878	-3.94299	5.036097	4.973257	4.710108	5.192206
3.653615	4.163777	4.205719	3.498333	3.800309	2.372031	4.94162	5.268303	4.649303
2.948672	3.960465	3.843028	3.812758	5.116176	3.576637	4.846041	5.003702	3.304047
3.352645	2.218737	4.267493	3.045	2.201161	2.324544	3.638366	4.275279	4.576047
4.29508	4.234985	3.719749	3.77998	3.7822	2.901282	5.313022	5.100595	4.342637
4.628018	4.320729	3.76132	3.602607	4.031554	2.50439	5.042862	5.080378	4.342529
3.496966	3.732252	3.630599	3.648921	3.652702	2.149338	5.293651	4.931404	4.629504
3.928672	2.750449	4.45562	3.297984	3.603211	2.110509	4.004517	5.502405	4.266694
4.310724	-0.95777	3.877323	4.066495	-0.50264	2.79207	8.100561	0.723096	5.252489

3.225858	4.693966	4.319102	3.309916	4.176841	1.730585	4.793269	5.145716	3.837333
4.548558	4.075861	2.882058	3.12363	4.177221	2.145971	5.65527	4.601354	4.052474
2.971425	3.711507	4.481814	5.334629	4.304394	3.433258	3.54944	3.539119	5.245777
0.229229	5.253365	2.595632	1.434628	2.674258	3.606626	4.770656	0.183455	4.322234
3.772558	5.023101	1.591104	5.786505	4.840866	0.024292	4.977096	4.705939	NA
5.877222	3.397662	4.539105	1.022658	2.745949	1.116005	5.970035	6.470052	NA
3.40143	4.883907	3.212717	3.3855	4.101409	1.958944	5.166853	5.161978	4.201145
3.855725	3.770386	3.99367	3.813028	3.845901	NA	4.957305	4.823678	3.926731
3.828007	3.127032	4.228722	3.812113	3.773199	2.71084	5.049058	4.943375	4.301623
4.318684	-1.0336	4.381753	5.378633	1.442777	0.105985	0.776701	NA	4.568497
4.470125	4.218938	4.117765	4.034404	4.511407	2.741146	5.060116	5.621052	3.844866
4.356607	2.961056	3.150477	2.321839	2.834524	3.133484	4.339347	4.325483	4.346977
2.247495	-2.77747	2.147119	1.663341	-4.80505	4.164181	6.523351	5.132895	4.913323
4.192754	-0.63853	4.959313	NA	2.139648	0.840113	4.74021	5.687071	5.360434
3.959156	3.217686	3.657491	3.538548	0.065271	2.348453	3.840199	3.747435	3.691756
4.506928	2.65055	2.356798	4.474901	0.940437	1.024652	4.758246	5.323907	4.559202
2.721879	3.11299	4.142036	2.002554	4.688086	1.094157	4.487337	4.784125	4.164837
4.235901	3.71593	4.347635	3.860916	3.50072	2.626432	4.289122	4.316964	3.828188
4.254188	3.632288	3.615457	4.09264	3.906106	3.059292	3.81482	NA	3.584067
3.916648	2.801844	3.500098	3.979028	2.759987	2.9037	3.776806	3.338187	3.613968
3.967754	4.025674	4.628511	4.128173	4.04822	2.139631	4.381233	4.627657	4.121453
3.319244	4.259197	3.732327	2.914085	3.431351	2.051004	5.086096	5.331507	4.235027
4.020105	3.928632	4.648765	3.466314	3.23974	3.273833	5.547261	6.414349	4.01164
3.99235	4.364479	4.465261	4.248933	4.170793	2.718355	3.978846	4.277473	3.681186
3.364584	4.14552	3.852706	NA	4.206548	2.382487	4.454184	3.756071	3.435587
2.208349	-0.17438	2.75416	3.606818	-2.4094	NA	5.045789	3.935464	4.904396
3.394413	4.945506	2.264569	0.359657	2.474618	NA	4.982462	5.794526	5.469656
4.890322	2.618438	3.291265	1.908752	1.536577	4.253051	4.282773	4.53742	NA
4.137524	4.462948	4.040352	3.050145	3.527625	3.15902	4.795442	5.655477	4.355859
2.66337	3.570218	4.171682	4.337742	3.652956	2.814888	2.008909	3.991648	4.07685
4.575397	3.163747	3.295606	2.448076	2.223337	2.874931	6.511913	5.514499	4.096647
1.021995	3.109178	0.384578	1.701124	-2.54877	4.347769	6.740685	5.347719	5.959802
4.052636	1.364424	3.529528	NA	4.298267	3.027863	3.880891	3.638478	3.615059
4.9585	1.374252	4.590937	5.136021	-0.41475	2.320386	1.858481	2.934488	3.839206
3.614312	1.44344	3.105502	3.879825	1.271531	2.550845	4.458482	3.700562	4.386329
3.26474	3.852606	3.932181	3.347124	3.233831	2.264674	4.566768	4.502902	3.775765
1.896442	-0.86687	2.730122	1.098427	0.005046	0.20365	6.728033	NA	6.539923
3.534132	-0.09453	3.087182	3.638136	1.895444	3.425545	4.247356	3.690699	3.399762
3.036627	3.888556	4.458483	3.781346	3.258138	2.596455	5.755568	5.447255	4.394445
3.964365	4.444936	4.070286	NA	3.725659	2.468746	3.583683	3.833357	3.247341
3.659694	3.530581	3.545152	3.952589	3.797596	3.171405	5.366509	4.679593	3.370988
3.527406	3.852699	3.858787	3.63841	3.968987	2.682669	3.953422	4.002024	NA
2.731776	4.341381	2.95453	2.389226	2.843217	1.224288	5.478283	4.509718	4.22522
2.800517	4.550124	3.269345	NA	3.440478	3.609181	5.196644	4.454703	3.317614
3.611148	4.08073	4.414585	2.663034	3.241403	2.609611	5.146986	4.675773	3.780458
2.838326	4.895188	2.759474	3.73406	-1.16694	NA	3.845961	3.504676	4.947346
2.038799	5.127305	3.147511	2.128733	4.397424	1.378868	3.928297	2.851373	3.94002
2.828292	4.560873	2.69961	3.79242	3.517357	NA	5.062637	4.427504	3.70701
3.019974	2.851655	1.961642	4.882636	2.429366	3.431903	4.117869	4.006627	3.327056
4.288168	2.689785	3.921231	4.255174	3.63023	1.882153	3.501739	3.517008	3.649801
4.148613	3.35801	4.064452	3.626291	4.264618	3.106776	4.380102	4.461821	3.872114
3.272528	3.611894	3.83673	3.45033	3.39751	2.357877	4.466953	4.321205	3.773861
3.251051	2.889626	2.814027	2.721124	2.650164	NA	3.67263	3.471521	3.508934
3.74336	3.046108	4.978551	2.932422	3.09424	1.995433	5.558266	4.862782	3.923524
3.921441	3.22567	3.612346	3.497076	3.619751	2.408106	5.056534	4.356835	NA
4.165636	4.072078	6.167176	NA	3.52473	NA	5.858009	3.547777	6.212606
2.97749	4.267352	2.905783	3.571927	3.293465	1.779456	5.011795	NA	4.045042
3.162336	3.833256	3.267608	3.46316	3.306064	2.973235	3.924994	4.837385	3.247648

5.952021	3.334309	1.975756	1.453655	5.594461	0.390409	4.235461	6.843412	3.687932
2.471074	3.664259	3.803746	2.607008	3.617024	2.271941	3.626526	3.983623	3.381796
3.949148	3.804586	4.330868	4.068224	3.758149	1.438513	3.826585	NA	3.343962
2.522787	4.578003	3.75854	1.047029	2.159347	NA	5.370721	4.886511	4.72485
3.414305	4.00307	4.675392	1.25999	5.195573	1.978268	2.555757	3.14041	4.903518
4.277266	-1.67012	0.898	5.578681	-0.72229	3.151397	NA	0.800969	4.437018
4.152754	0.987731	4.599591	0.449909	3.751089	1.497724	6.785314	4.603517	5.099281
2.696142	4.45667	3.471703	3.433344	3.78456	1.876945	3.94611	3.781607	NA
4.420881	1.361913	3.896931	3.586966	4.110268	NA	4.246319	3.909002	4.205696
2.708782	5.483119	1.284919	0.425468	3.537026	2.162451	5.146085	3.350027	4.255217
2.657326	-1.742	0.04165	1.999041	-2.00382	2.589662	5.8362	5.440153	5.139748
1.70795	0.358466	2.204219	2.290898	-0.70364	0.93512	4.212862	2.442328	6.560008
3.054527	3.278205	3.99284	NA	4.014343	2.282889	4.032653	3.911322	3.633242
3.675491	4.300092	3.334548	2.745354	2.906373	3.207944	4.467108	4.036485	3.661768
0.022758	4.942685	3.94133	1.498715	2.893016	2.570259	2.637705	5.136572	4.624079
2.626683	2.369982	1.74265	2.044212	1.459368	2.111234	5.431401	4.47517	4.3819
4.072499	1.147895	2.668204	3.148992	1.802714	2.64505	3.062032	3.61189	3.329022
3.956049	3.597122	2.461075	3.959891	4.063531	2.256085	4.242156	4.220116	3.371388
2.483752	4.646651	2.785593	1.024849	4.166195	2.534958	4.21172	2.850576	3.794179
4.655757	3.418854	1.641147	4.623617	3.991474	1.621287	3.825256	2.952836	1.486335
5.42348	1.35817	2.586778	4.627696	2.94511	3.72428	3.096132	4.118871	2.889914
3.151543	3.578198	3.643067	3.365889	3.517692	1.971345	3.072945	4.141234	3.055529
2.249895	-0.02421	1.788185	2.720569	-1.42705	0.40378	4.149813	3.635572	3.805719
4.157095	2.07374	2.902473	3.670404	1.118037	2.494047	3.133075	2.828116	3.175339
2.965268	4.642589	2.517256	2.811326	2.239559	3.834016	4.81511	NA	3.358918
1.532153	5.189121	0.993495	0.262315	3.528242	2.842338	4.08025	2.583518	4.491141
3.991972	3.565582	3.535284	3.674962	3.486104	3.008298	4.325953	3.672677	3.01478
2.664882	2.862755	4.015945	2.301717	1.78729	1.637095	4.826766	4.653574	4.425869
1.83936	-1.00965	1.760716	2.278514	-2.25116	2.180596	5.483774	4.564505	4.929486
5.558307	0.094195	0.055062	6.152709	4.146646	4.886656	5.121775	1.173822	4.901782
3.728325	3.694438	3.500886	3.442652	2.365743	2.710867	3.272811	3.53204	3.126318
2.150654	4.739568	1.337102	2.274088	1.412996	0.491695	3.602458	4.955716	1.889116
3.241712	0.417904	1.517169	NA	-3.03064	4.553755	4.837634	5.0204	4.658452
3.715872	1.957993	3.325866	2.533288	-0.00413	1.336498	5.021075	4.747114	4.024273
3.338919	3.474144	3.13171	3.196287	3.09393	2.812604	3.612776	3.522805	3.046207
3.276536	2.948249	2.049044	1.622168	2.256431	-0.378	5.771561	6.627374	2.57479
5.486802	5.246436	4.210154	2.763327	0.479354	0.352429	4.759904	4.096627	4.222191
3.064679	2.629559	2.4158	3.510105	1.532013	2.795615	3.027548	2.948124	3.674928
2.855664	2.927042	2.124361	4.092739	2.120329	3.266869	NA	4.966764	4.677602
2.885269	1.338948	3.282504	3.128988	0.319599	0.429181	4.704593	5.683497	4.50754
3.375182	1.33736	3.332664	3.053858	1.602409	2.040646	3.92354	3.80292	3.706746
3.77633	0.659069	3.044969	4.057605	1.237828	1.373939	NA	3.818014	1.249644
3.581471	0.587409	2.725586	1.343911	1.14761	2.340424	5.907641	5.438523	4.853119
1.923319	3.968154	2.541372	3.836237	-1.06152	3.033294	4.165531	4.904525	4.198338
3.72718	3.205437	3.470733	3.299578	3.88839	2.823038	3.464876	3.524424	3.002384
3.871629	2.879269	3.984943	4.053322	3.308104	2.72641	4.02015	2.999193	2.90728
3.502221	3.983992	2.445891	2.837818	3.131928	2.430113	4.060069	4.359868	3.425797
3.393634	3.853796	3.475175	3.705185	NA	2.692338	2.629538	NA	4.327298
2.987558	1.955812	3.182913	2.717247	1.372321	3.483061	3.995908	5.032212	4.245573
1.789242	-1.15788	2.60287	2.306579	-0.91254	1.867002	4.991188	4.49901	5.011139
2.394791	4.638421	2.218244	2.187925	1.995815	3.347334	5.904458	4.948443	5.001044
2.778063	4.229349	2.953023	2.553887	3.701678	2.900975	3.239466	3.254647	3.550584
NA	4.865507	4.111611	2.508384	2.815642	1.139081	4.076779	2.945695	4.37738
3.329742	2.026351	2.804724	2.263214	2.952004	1.655504	4.099587	4.196727	3.950369
2.442089	2.837884	2.096686	2.004889	2.225576	3.453121	3.690753	3.875244	3.647312
3.25729	3.502194	3.175646	3.504524	2.894929	2.928647	3.623445	3.581235	3.065268
2.807565	2.9404	4.338062	3.31767	3.334729	3.615936	5.619614	5.693302	3.70544
2.174146	2.258207	1.288142	1.909176	1.72603	2.153839	5.337211	5.17156	4.582986

5.119467	NA	0.447989	5.359189	5.278099	4.242273	5.104842	0.365888	5.186103
3.039425	3.446361	3.385314	2.702139	3.454803	1.686158	3.804157	3.393496	3.087042
5.042222	2.701672	4.67055	5.01092	4.610649	NA	1.91837	2.205234	2.374785
2.484384	3.607035	3.467671	2.990187	2.56323	2.23373	4.114428	3.577201	3.165032
3.964488	1.841233	3.399225	2.809086	2.346582	1.598328	4.375551	4.525257	4.402391
4.111537	-2.97701	3.340989	3.050832	3.184391	3.103953	3.819712	2.731825	3.319124
4.047184	1.359013	0.801401	3.774591	3.636501	2.302976	3.227157	2.051239	3.340392
1.835204	NA	3.236016	3.706555	3.776148	3.636727	4.568398	4.87407	3.794998
3.214092	3.71908	2.779367	3.554811	3.311909	3.270121	3.832496	4.00251	3.308224
2.851798	4.557823	-0.09663	3.523122	-0.15603	3.711337	4.217397	-0.3541	4.518969
-0.55779	5.084305	3.806565	0.546923	2.787989	NA	4.110579	5.122298	4.21171
3.717433	0.490325	2.941723	3.362221	3.531647	3.227	3.212359	3.843669	3.259675
3.122154	2.412489	3.599145	NA	2.544795	1.352731	5.230782	3.534821	3.652481
2.48283	-0.73931	0.945035	2.573907	-1.10669	1.09578	5.410519	5.587256	NA
3.503758	3.48646	3.646098	3.425863	3.050449	2.626262	3.27573	4.110096	3.16476
5.478019	5.817466	2.407868	1.435333	-1.11787	2.0639	6.408132	4.0846	5.742215
3.53914	-0.20716	2.890846	4.292648	2.877818	2.426695	3.883782	1.9312	3.623549
2.754547	4.240644	4.344867	2.18558	3.011021	0.322029	3.03459	1.737276	3.363729
0.774137	0.721138	1.425805	1.312225	-0.50976	1.612516	4.638808	2.943926	5.08485
1.983544	4.355796	3.374214	3.722305	2.755555	2.448994	3.600867	3.67828	2.793149
2.076167	3.844596	2.158843	2.150281	3.978228	1.322507	3.732582	3.437423	2.916942
0.629	5.544634	1.995857	0.878027	3.568011	1.072818	5.483286	5.328911	4.248768
4.819609	-1.16073	3.719027	3.315827	3.129578	1.98518	3.490365	4.752524	4.703359
3.510936	-0.9716	2.381536	3.089706	-0.57005	2.300913	3.484844	3.870246	3.361676
0.525176	4.503063	3.969955	0.407544	3.673367	1.905005	4.855083	3.026456	4.365444
1.462343	2.622159	0.620766	1.140702	-1.27345	1.469169	5.260898	5.446719	4.760841
1.886055	4.448614	1.875181	1.344008	3.252569	2.232536	4.113184	3.40827	3.244602
4.686619	0.088788	2.936277	3.684647	3.229975	2.845671	3.890209	4.230814	4.050324
4.50769	1.910513	2.316575	4.629516	1.269799	NA	2.875199	2.529063	3.029875
3.319557	2.583456	2.913081	3.383155	2.173661	1.142027	3.838252	4.491552	4.192276
2.698056	3.901906	0.327309	2.120171	0.571876	-0.30341	4.031088	4.304618	3.859925
1.945267	1.627888	2.072542	2.669462	1.428935	-0.2719	2.789563	0.223307	5.442775
3.357915	0.875377	2.828271	NA	0.103181	0.869193	5.763938	5.30033	3.911974
2.799462	4.501684	3.167575	NA	3.497926	3.027372	3.528746	3.035069	2.76792
2.690865	1.484239	2.607947	2.233688	2.072417	2.199306	3.70288	3.096892	3.288978
2.767046	4.183997	2.211223	2.227066	2.379691	2.817225	3.585258	3.926792	3.281404
-0.37594	4.817804	2.304123	3.047971	3.013071	2.871402	5.203543	4.200801	4.790416
2.206899	3.554946	3.042797	2.103397	2.889647	2.378279	3.416264	3.205496	2.727264
2.228243	2.93693	2.059524	3.146314	2.534898	2.18953	4.041676	4.126164	3.246264
1.603577	0.497067	1.946119	2.394879	-1.74531	3.563762	4.377479	3.987016	3.962288
2.524751	5.170946	2.911655	0.506116	1.693288	3.000526	1.829358	NA	1.28326
1.28954	1.142948	3.46909	2.17416	1.454149	3.409252	4.260036	4.09728	4.633193
3.069318	2.458333	2.866134	2.344528	1.726622	1.80883	3.963878	3.655229	3.39556
2.484139	3.286038	3.173131	1.909309	2.805994	1.975213	3.472498	3.603836	2.931117
2.470286	2.803135	3.003389	NA	3.214795	1.178569	3.975128	3.487029	3.307192
2.56324	-0.18667	2.858919	1.875923	0.8453	2.015201	4.383635	5.108914	4.766624
0.473549	-0.15754	4.286753	0.485335	-0.07844	3.241073	1.297969	4.458294	5.950458
0.127419	4.432995	1.179545	2.834092	1.260197	4.781761	4.781108	4.534561	4.749981
2.894847	3.399813	3.744925	2.530923	3.285838	1.385503	4.070253	3.935523	3.337469
3.069327	2.381225	3.361022	NA	1.685942	0.728002	3.75501	3.660415	3.270051
3.628697	3.410631	3.098656	2.737757	3.655989	2.888475	5.066956	4.000006	4.035742
1.97752	2.617033	1.891343	NA	0.087649	2.481751	4.309787	3.586426	3.788601
2.844205	1.529339	2.709585	2.712031	1.603004	1.12338	4.408587	4.21792	3.912279
3.467733	3.061247	3.677013	2.817099	2.150106	2.789895	2.898766	2.972212	3.238818
3.702126	3.288303	4.706842	3.129239	3.213697	2.765873	3.451745	2.805407	2.556035
2.953191	3.529341	2.673865	2.830699	2.529427	NA	3.786165	4.145643	2.519797
3.057923	2.13175	2.404297	2.851058	2.279986	0.996532	3.123506	2.033508	NA
3.493794	2.380038	2.168097	3.538484	1.830937	1.871978	3.563523	3.8003	3.702385

2.399151	4.023835	3.168803	2.542395	2.462762	3.074635	3.320563	3.469735	NA
2.421741	3.840907	3.198346	2.028216	2.364338	1.523929	3.949613	3.947861	3.335905
2.427727	0.063765	1.655601	1.584359	2.265635	1.610527	4.206435	3.936935	NA
3.15739	1.927328	3.101327	NA	1.283281	1.497562	3.36616	3.106356	3.544857
2.644925	1.256281	2.203133	2.577317	0.375456	1.116518	4.203377	4.352272	3.430455
3.326484	0.902601	2.603947	2.601721	2.384251	0.853066	3.968333	3.782917	3.309392
2.369275	2.643116	3.321092	3.323291	2.325179	1.95772	4.864509	4.417395	3.810498
2.754269	4.341281	2.845801	1.961999	3.062801	1.807909	3.232394	4.220678	3.478398
3.890763	3.250555	2.07372	0.274042	1.793863	2.658191	3.993253	4.512873	3.888965
4.074961	0.456343	1.17289	3.846374	0.57345	2.05734	3.183476	3.093773	3.565992
1.246951	2.6127	2.944807	1.826006	3.92616	0.807447	0.007368	5.298791	NA
4.109535	3.990166	1.585985	0.454538	1.497702	1.75634	4.113374	4.905305	2.831514
2.939452	1.640325	2.855187	2.712759	0.862742	1.338278	3.990249	4.107415	3.52849
3.130668	2.223914	1.594981	2.336149	2.138506	2.439808	3.112414	3.034692	2.942321
2.527987	1.57611	1.795563	2.820338	1.580896	3.448125	NA	4.594714	3.812554
-0.37388	2.735909	-0.05549	-0.01132	0.384785	4.336543	2.96605	4.356178	2.764435
3.223977	2.919326	2.968986	3.021292	2.906196	1.906142	3.471449	2.985675	2.773201
3.583773	3.144846	2.927174	3.095614	3.048775	2.030626	2.669604	3.204122	2.736364
2.481153	0.721941	1.906125	0.02608	1.356057	NA	4.284786	4.108813	4.292592
2.667765	0.756252	2.986277	1.100792	0.859488	2.255769	3.414868	3.958569	3.491092
0.557681	3.679784	4.58266	3.408965	0.882708	1.271513	2.627868	0.280252	1.710557
3.415257	2.790119	3.430217	3.182207	3.057604	2.063245	3.173677	3.225288	3.009989
3.117295	-0.69735	1.775435	0.843242	2.315006	0.991995	3.706579	2.961885	3.504234
3.141968	NA	3.631095	NA	3.365816	2.271025	3.02244	2.318782	2.48759
3.020699	-0.05458	2.582822	2.837332	0.500012	-0.15067	3.775493	2.831583	3.20187
2.261078	2.022701	2.487731	2.643061	2.439187	1.59079	2.710535	2.364837	2.751532
3.040261	2.393677	3.514311	2.27905	2.783765	2.592391	4.758946	NA	2.96501
2.78484	1.396635	2.549112	2.93445	0.733769	2.180975	3.145217	2.954723	2.87137
4.997092	1.934509	4.697531	0.20482	3.19752	1.802298	0.973271	4.187507	4.581681
2.852344	2.30275	0.253172	1.137617	1.364437	1.784791	-0.09457	-0.10324	4.799561
1.895259	2.341362	1.160887	2.508329	1.113702	2.827134	3.122351	3.424033	3.574218
2.619691	3.025334	2.178655	2.412415	2.625669	2.410224	4.727005	3.655869	2.586045
1.524232	1.871522	2.329967	1.58627	1.104985	0.900643	4.360373	3.859804	3.662148
4.180285	0.387285	3.363132	2.586153	1.852698	NA	4.047217	5.623788	4.782858
2.812636	0.590615	3.35645	3.049343	3.556344	1.153562	4.882028	4.046044	3.778699
0.910821	4.174883	2.364909	2.685003	3.314867	3.57633	3.431137	3.690168	4.041839
1.302108	2.540887	2.824109	NA	2.272066	1.646591	4.27222	4.200159	2.620102
2.680636	3.408571	4.497794	2.449893	2.555233	2.282525	3.984257	4.890568	3.085936
2.736734	2.295594	2.50855	1.267137	1.983857	1.580771	2.862949	2.803943	3.066564
3.626557	0.752928	1.773975	2.782481	2.262239	1.193928	4.469656	5.716855	NA
2.697724	2.371245	2.750747	1.819854	1.960579	3.025736	1.854954	2.496261	2.228291
4.630846	2.669257	1.415157	NA	4.203218	2.934792	2.937145	1.892735	3.322223
4.53768	2.354058	0.91716	NA	2.089744	1.068068	1.602518	1.807683	3.69295
3.433146	1.339177	3.725085	4.316622	1.767092	NA	0.446545	2.181922	5.482466
2.506043	1.876492	1.928594	2.314293	1.16773	3.04415	3.876941	2.170746	3.002602
3.379402	4.220094	4.259292	1.668206	3.167709	-0.39129	0.462706	0.276777	3.64717
4.989064	-2.18984	0.925854	1.183703	0.646768	3.013717	4.961208	3.539144	3.619254
3.105315	2.482411	1.672069	1.078712	1.661042	3.215235	3.520386	3.011521	3.051312
3.380034	4.946652	-0.1935	0.328532	4.344653	NA	3.237465	2.680115	1.180698
2.851393	1.047969	1.237976	2.682082	1.035718	3.12622	3.47827	3.119816	3.568213
4.959162	3.74868	3.239213	5.323979	3.791795	2.948994	1.84983	3.02492	3.828652
1.707195	4.724469	3.458583	3.208654	1.957985	1.988172	0.729603	2.14767	2.105786
3.114383	5.272009	1.076514	0.343448	0.650878	1.815724	3.420375	1.170188	5.253461
5.758321	1.300407	2.92827	2.031106	4.498389	-0.40265	4.588499	1.360099	NA
3.32055	2.431867	3.285914	3.709644	1.31716	1.813982	2.587884	2.458132	2.518508
2.922992	2.471376	2.303907	2.299864	1.566008	2.482803	3.205652	3.169537	3.097667
2.7645	-1.8378	3.390019	3.296827	0.611947	-0.0531	2.918127	2.804458	3.830991
3.093422	2.390771	3.630269	2.108026	2.158137	3.175272	3.914459	3.619738	3.565977

2.393024	2.372523	2.836061	2.66605	2.51172	0.906822	NA	3.479173	3.227812
3.291215	2.541363	1.767973	3.161827	2.797635	2.231637	2.523509	NA	2.805307
6.723006	0.63876	1.030737	0.502654	0.937	0.04193	6.297715	3.891597	2.993154
0.066463	1.527325	2.509805	1.707951	2.960156	2.268363	3.63666	3.605984	NA
1.85747	-0.68916	1.779488	1.866522	0.315185	2.181108	3.961065	3.072814	4.133806
3.068889	1.628867	4.539895	1.724394	1.611773	0.342813	2.943892	4.110587	3.083234
2.692086	2.421916	2.043883	2.22787	0.818139	2.780869	2.801018	3.044594	2.91272
0.542049	6.350402	1.758381	1.606932	4.090089	-0.41705	6.639033	3.626722	3.014354
3.982736	1.710169	2.811393	3.249687	-1.25262	1.122416	4.344444	5.472301	NA
4.204218	0.504631	2.281436	2.647541	1.809082	0.763065	2.816338	3.604034	3.350771
3.091221	2.623219	2.972846	2.964125	2.576563	2.121077	2.34212	3.228559	3.016802
2.317168	3.595107	2.126303	1.796674	1.304666	2.343539	4.309198	4.347838	2.784527
1.567804	5.027573	2.198586	1.002079	2.365322	0.384992	2.885538	1.268571	3.513442
3.874326	2.215335	3.684474	2.734553	2.687388	1.749615	2.715611	2.578344	2.475477
0.687613	0.616611	1.091772	0.336889	0.380241	0.819162	5.515825	5.180541	5.578397
2.889128	2.617748	3.061111	3.00356	3.09714	2.198065	2.189903	2.114537	2.319718
2.849721	1.77807	-0.00152	0.210011	-0.57633	-0.63984	5.185257	3.323937	3.786681
4.508187	1.585752	2.080339	2.523182	3.186266	NA	2.578517	4.53217	3.154934
2.150441	1.091608	1.526127	NA	0.872348	0.150875	3.523518	2.928821	3.084166
0.732152	4.098057	3.350989	0.669013	2.280314	2.658211	2.219178	3.050141	NA
2.115927	2.478877	2.23499	1.596491	-0.20212	NA	3.867916	3.283287	3.752361
2.633688	3.752898	3.226351	2.678044	2.712272	1.597199	3.948264	4.440243	2.95145
3.861493	1.79154	-2.95576	4.492013	1.740134	2.421827	0.660209	3.994315	3.774698
3.364369	1.875308	4.916791	1.701493	4.809872	1.307025	4.903621	5.982422	2.752783
1.865402	1.562107	1.811293	2.343473	0.773466	1.192192	4.854262	3.452594	4.233102
4.318006	1.788215	2.061244	2.328353	3.11165	1.966519	2.460953	3.348949	1.659493
0.507824	-0.02897	1.557478	1.637041	-0.0827	1.507866	NA	3.963459	3.658816
1.684117	3.144008	2.233976	1.285403	1.803689	2.295322	2.684837	3.434221	3.123023
2.06654	2.913465	2.633035	1.725455	2.567824	1.716985	3.207659	3.289017	2.520766
2.064235	2.467601	1.11794	0.476972	3.117395	2.506675	1.65635	4.948659	4.760032
2.493749	0.353929	2.076834	1.715938	1.880478	-0.73419	4.067697	3.770498	3.108554
0.879984	0.84469	2.142983	NA	0.140989	1.866474	4.015282	3.526485	3.190821
3.233788	0.442945	2.345297	3.147498	1.472125	3.464479	2.822603	1.846006	2.999382
3.291712	3.006495	3.173954	1.490063	2.343904	1.987241	3.445632	2.878794	2.553436
3.172216	1.489399	3.564279	3.524994	1.915793	2.373675	3.674494	2.49052	3.3396
2.859445	2.482752	2.5376	2.407085	2.32856	2.1756	3.634447	3.043668	3.568778
3.797887	2.32432	2.27933	3.341321	2.20756	2.463679	3.05555	3.279134	0.213176
2.267528	3.432909	1.924187	2.644833	2.739926	2.683672	2.933952	2.881917	2.857176
3.122119	2.24693	2.209718	2.549879	1.749304	1.207317	3.154748	2.970484	NA
1.731331	2.641981	2.585363	2.411577	2.289946	1.841692	2.884784	4.250471	3.506872
1.692403	3.092777	2.431682	3.158371	2.520373	NA	5.573639	3.630053	4.007059
2.659684	2.102046	1.954545	3.186534	2.358079	1.535799	1.775121	2.404785	2.421501
0.74233	2.789107	0.647715	0.926847	-1.35699	2.389384	3.935161	3.461762	4.204792
1.895858	1.301115	2.77991	2.34673	1.775351	3.315012	0.422252	0.717446	NA
0.523485	6.138806	3.080603	1.033161	3.52278	1.329551	1.689659	4.009345	5.949248
2.470848	1.753609	1.22772	NA	0.536696	1.24791	4.22777	3.497314	3.979825
3.656209	2.061012	1.058321	3.521457	2.22987	1.198421	3.191388	0.230723	-0.18708
1.202719	0.299141	1.480991	2.150867	0.240599	1.424344	4.231186	4.737722	3.935887
1.334482	0.528943	1.856616	2.345778	-1.09609	2.927217	3.971305	3.518656	3.236052
2.558266	0.236319	0.630495	2.280424	-1.34958	2.887436	3.955605	2.489799	3.326579
0.222801	0.137559	3.412358	0.848544	1.428779	NA	5.448446	5.044493	2.877528
3.768393	-0.35189	3.470463	2.074583	0.881846	0.047643	3.537936	3.082224	2.471261
3.131427	4.291083	2.355171	1.630112	2.36815	3.313394	1.970079	2.349202	NA
2.402731	3.507139	2.548952	1.676084	1.958619	2.844489	2.579659	2.975203	2.490978
3.215565	1.228206	4.380274	NA	2.733866	1.089215	2.897362	0.776644	3.739956
2.284187	1.481874	2.244161	2.017569	0.448175	1.871435	3.983912	3.727803	3.491485
3.468115	1.639753	1.447175	1.51739	0.27308	2.405895	2.936499	4.814446	2.866072
2.082037	2.602627	3.146469	2.38161	3.071326	2.2026	2.09162	3.005639	3.475063

2.694521	0.984509	2.652881	2.941009	3.180612	2.282176	3.24056	3.348134	2.61687
3.286753	3.016401	2.22922	2.185367	2.364682	0.962585	NA	3.346408	2.995657
4.701069	3.170643	2.84196	0.539489	-0.2531	0.811214	4.663255	2.905101	3.323682
2.324916	2.018669	0.870276	2.481861	3.377569	2.945016	2.49799	2.773908	1.941878
3.076671	2.420695	2.834345	1.005293	3.4199	3.271353	2.970184	3.427568	NA
2.216208	2.738077	2.176561	2.220364	2.39395	1.728792	2.692323	2.565665	2.667628
2.958805	2.667342	2.955456	1.870033	1.838715	2.188538	3.106736	NA	3.052241
2.879894	3.199319	3.377685	NA	2.610114	2.578384	1.817203	2.989866	1.907838
3.145512	4.713742	0.773173	0.255634	3.151238	2.359022	3.846008	NA	2.842615
3.636258	2.669164	0.362593	2.179488	2.599267	1.869902	4.302238	2.089336	3.048255
2.527184	2.285768	2.436317	1.902972	-0.18661	2.383335	3.566706	4.28795	3.31445
2.381424	3.395152	2.194075	1.061626	1.591587	3.11179	2.633814	2.653632	2.619157
2.702946	3.652672	4.016645	1.92117	-0.25861	NA	2.619778	3.062745	3.295207
3.357064	3.432897	2.904455	NA	1.81754	1.161118	2.760736	3.250371	1.744039
2.323876	-1.35023	2.070273	1.873944	1.409865	NA	4.778531	4.277028	3.859879
1.957645	2.151281	0.810916	2.19393	2.197474	1.973172	3.326106	3.081414	3.465187
1.677603	2.470187	1.507066	NA	1.495795	NA	3.051351	2.231079	3.452907
1.988615	1.795636	0.964526	1.971472	0.44596	2.906818	1.891972	1.575222	1.629172
2.584213	2.136658	2.925509	1.915824	-0.39627	-4.13574	3.35827	NA	3.622859
1.411108	2.954445	1.656568	3.153744	1.492999	NA	2.866922	0.181794	0.256957
3.305131	2.206753	2.384332	2.282617	2.164059	1.645437	2.861932	3.189492	2.867931
1.220112	1.025776	1.921126	1.361305	-0.44813	3.001044	3.656065	4.989268	4.130185
2.813905	2.359084	1.809876	2.431617	1.349026	2.725419	2.738662	2.8337	2.765966
2.562513	2.909753	2.602938	2.598284	2.645847	1.546748	3.247701	3.263532	2.71253
2.332285	0.154778	1.486821	1.860083	1.442981	0.178092	3.748998	4.027755	4.235474
0.427775	3.50147	1.32771	1.459294	2.19454	2.835558	3.554606	3.769212	3.423201
1.859834	1.837003	1.410822	2.111471	1.876759	1.827944	4.649551	3.517482	3.928618
2.419461	3.03277	2.718341	2.308982	2.267131	1.750597	2.250843	2.94832	2.024582
5.297172	6.012994	0.980833	0.462432	0.205087	1.065332	0.341076	3.00785	3.187808
1.195914	0.741673	0.556368	3.600486	1.411321	2.058275	3.946444	2.904778	3.295963
3.930081	2.430235	1.983707	0.370021	1.86694	1.370035	3.807308	4.829545	3.110261
0.284084	4.185779	2.05731	2.635585	2.807048	2.71624	3.215377	3.762747	3.820027
3.608228	1.640909	5.119267	2.98273	3.798432	2.324566	1.402494	4.11111	3.639792
3.182404	1.858421	2.617108	2.228927	1.915788	1.940157	3.166408	3.032709	2.671291
2.2769	3.178176	2.527202	2.244711	2.507811	1.536376	3.998219	3.283796	3.195055
2.32021	3.811367	1.19874	0.26516	3.756108	3.178065	NA	2.75029	2.964557
0.655283	4.842496	1.455447	0.336093	2.545187	0.115929	1.37783	0.732541	3.786298
2.894317	NA	3.02821	2.171825	3.032651	1.686822	1.743731	2.848022	3.032947
0.988075	2.37136	1.604945	3.012868	0.60694	2.539405	0.550233	2.000107	3.373752
1.964201	3.271906	2.532381	1.881904	2.763205	1.825791	3.37512	3.306051	2.508463
5.463498	-0.20355	4.979872	0.428419	0.132325	-0.45975	2.91161	1.102407	5.312806
3.128371	1.391339	2.801742	2.013132	2.308826	1.457129	2.49868	4.070174	3.279651
1.91148	1.091395	1.934134	2.412918	0.483555	1.568549	2.995944	2.919074	3.155245
1.721356	3.884477	2.006753	1.338586	1.353341	1.878304	4.833437	3.63231	3.500066
2.950022	3.355123	2.899458	2.036853	1.171637	NA	2.310604	2.844398	2.564137
2.345245	-0.5979	0.187767	2.139071	-1.60009	0.645585	4.093277	3.545404	3.321522
3.273286	2.152369	3.196503	3.478638	2.921279	1.588472	2.995473	2.755845	2.186667
0.036226	4.108664	3.17605	0.340277	3.094528	2.356693	2.9554	4.197039	4.353506
3.139853	2.383641	2.812446	0.246711	0.160765	3.116129	3.781687	2.899804	2.500966
1.968639	1.54896	2.54979	2.658152	-0.47906	2.40865	1.36501	1.54699	2.305509
1.368652	3.435325	1.609641	0.081872	1.12088	2.094656	0.951275	3.229164	2.79935
2.137854	1.305205	2.110534	2.60452	2.726301	-0.29117	3.705323	3.218369	3.137568
3.878013	-0.19773	2.751953	NA	3.400704	NA	1.575002	3.288343	2.913234
3.725001	0.889357	2.910571	2.656532	3.88849	0.892499	2.969358	4.637727	2.659437
2.304183	2.614479	2.180385	1.72313	0.837821	2.109057	NA	4.00049	2.128246
1.487769	0.123122	1.716006	0.379499	0.578356	1.617224	4.876902	5.05658	NA
2.799866	2.985027	2.690451	2.287789	1.705531	2.61003	3.103104	3.049851	2.907247
1.613938	3.474664	2.399337	2.111404	2.853797	1.936281	3.31129	3.005665	2.72098

2.582792	1.914936	2.575057	NA	1.132489	0.639842	4.043839	2.710971	3.216774
NA	2.215179	2.056845	0.284462	0.067731	0.818446	4.442021	5.061418	1.932144
2.590625	0.73234	2.325536	2.277229	1.93812	1.148486	3.654264	3.179094	1.967984
3.78479	2.731238	5.086975	2.181084	2.432452	-0.5171	1.871259	4.415217	4.533208
2.83876	2.64794	2.000389	2.346628	1.685931	2.226918	3.855505	3.76145	3.010432
2.8404	5.661768	2.387695	-0.75264	0.721296	0.415413	3.360007	3.317476	3.682456
2.562867	3.2705	3.223014	1.599866	2.507417	1.172305	2.92614	3.152677	2.504043
3.069579	0.817843	2.552088	2.653372	2.487697	0.844131	2.841237	2.874453	2.892066
2.439131	2.149465	2.416564	NA	1.401213	1.903296	3.228168	3.018174	2.767561
4.02215	3.093981	2.640547	1.350871	2.368886	NA	2.564849	3.512765	NA
1.363928	2.549378	1.368694	1.048462	1.384382	2.160364	3.590997	3.294723	3.240313
3.417473	2.452731	2.60291	3.401732	3.313505	1.780098	2.18882	2.079723	2.186346
-0.67225	4.10581	1.711986	0.263504	3.146798	3.438041	2.761212	3.350926	3.808044
3.805771	-1.77875	3.018817	4.077463	3.36477	0.457346	1.956603	2.995172	3.289635
3.566817	-1.35558	1.416862	3.229486	-1.50103	1.652096	0.558141	2.418095	3.135092
2.420134	3.259629	2.623774	0.286726	1.79383	2.883543	3.34056	0.138796	4.292476
4.272463	2.188725	1.384774	1.320406	1.156994	1.242939	3.374111	4.045253	3.236762
2.652481	2.183367	1.768188	1.327115	2.050536	2.622133	3.584283	3.101214	2.693963
1.761292	2.198926	1.058516	NA	1.500059	0.923272	2.730536	2.660826	2.258699
-0.34329	3.532995	2.55824	1.114844	3.622174	3.138637	1.263555	3.783209	3.664119
-1.176	4.200215	2.232185	2.184484	3.132565	3.001276	1.794887	3.588589	1.883569
0.504757	1.08149	-0.5268	1.130906	-2.35758	2.351342	4.492094	3.61011	3.811162
5.341836	4.778802	0.192808	6.218883	2.200563	1.093786	2.96501	1.503706	NA
1.426167	1.373257	1.836424	2.105559	0.278737	3.059249	4.550471	4.167953	2.42736
2.348474	2.246889	2.689249	0.909991	1.350028	NA	2.957304	2.968078	2.577228
2.505187	1.830458	0.926425	0.250771	1.556609	2.326463	3.777718	2.652161	2.893463
1.894733	1.967253	2.610586	1.629409	0.855818	1.683468	2.544919	3.214263	2.897229
1.641703	1.981969	2.058855	0.772483	1.192679	1.576971	3.908841	2.725335	3.619603
1.224167	3.146253	2.080601	1.859713	2.568099	NA	3.061804	4.301008	3.389787
2.195859	-2.76182	0.529492	1.87968	-1.65446	2.848526	3.489119	3.51623	3.354005
2.481745	1.035865	2.195461	3.115521	1.748969	1.225123	3.482051	2.737867	1.530856
2.852622	1.790094	1.911712	2.526696	2.445854	0.31907	NA	2.810944	3.199776
2.944355	2.369743	2.735889	2.416502	1.992939	0.530583	1.895757	2.532226	2.443092
0.663414	2.700571	3.412082	2.805642	3.605262	NA	3.42678	3.458131	NA
2.604938	2.57988	1.28021	0.551874	0.383876	1.172776	2.430574	NA	2.841978
2.212506	1.502989	2.327857	1.473268	1.089484	1.006564	3.082307	2.661277	3.077487
2.310225	3.002903	2.900821	2.401999	2.995435	2.568135	2.92517	3.233973	2.266667
4.002128	1.619539	4.026818	1.463698	1.924168	0.446942	NA	2.766267	2.656849
0.555058	2.862571	3.176669	1.209259	0.140383	2.363867	2.583893	3.224829	1.680785
1.961759	1.127734	1.920992	2.511961	0.17499	2.219833	3.005519	2.950121	2.566922
1.80576	1.815094	2.436003	0.282554	0.615887	-0.3233	0.372381	0.142032	NA
3.034692	-2.97135	2.92823	2.854523	-2.18407	2.219716	3.03475	NA	2.550566
2.521812	0.972047	1.509862	1.904682	0.020172	2.014797	2.930755	2.988647	2.671533
2.672272	-0.24756	1.137895	2.356111	2.152345	1.764053	3.465332	3.314463	3.067589
2.345709	3.262214	2.414459	2.374568	2.606684	1.601162	2.040517	2.027937	1.472702
2.12291	-0.31024	0.793802	3.355035	NA	-0.26998	2.281543	NA	3.102574
3.18377	2.876655	2.64669	2.059248	1.754889	0.643183	NA	2.722475	2.586046
1.892204	2.544979	1.779681	0.945916	1.901404	3.042154	2.195459	2.4184	2.219703
2.723855	3.857035	3.359124	1.673082	2.608013	3.610892	1.683592	-0.13298	1.865353
2.959572	2.983436	3.622685	1.861172	2.571679	1.55092	2.946428	3.064271	2.321748
2.734994	4.600777	2.26974	3.54536	2.533282	1.984033	1.86293	0.336636	4.447671
2.402186	2.03629	3.220598	2.137	1.539504	1.466149	2.987683	2.780371	3.124198
0.448251	2.905872	4.408132	-0.02511	4.703087	3.067666	5.001928	5.754515	2.596391
1.986778	2.782202	3.106685	1.966931	1.107191	-0.02876	4.051039	2.465647	3.10392
-0.59146	2.867163	2.253228	1.23446	0.325022	NA	3.117162	1.896185	2.679643
0.043894	-0.27372	0.653556	1.882458	-2.55551	0.916277	3.755377	2.807663	3.375382
1.918858	1.490187	2.000567	0.456651	1.5735	NA	2.851201	2.816265	4.19576
3.047388	0.887577	-0.04893	2.563913	-0.12677	0.588412	2.743532	NA	2.927019

3.000499	5.206314	1.596255	0.259561	2.461512	NA	2.319045	3.018663	2.21254
1.073406	2.715562	1.53247	NA	2.921043	0.595397	2.837075	2.997788	2.81266
3.131803	2.65377	1.899971	2.6592	2.338608	0.61561	2.861254	3.468952	2.77368
2.129982	1.332687	1.872873	2.475577	1.206921	2.062751	2.014776	2.072167	2.16584
3.325332	4.373785	1.298731	1.423696	1.748557	1.202369	1.298288	1.541243	2.872046
2.222336	-1.18788	-0.37597	NA	1.850465	NA	2.617834	1.338758	2.964765
3.068009	1.998749	1.10215	2.908353	2.025829	NA	3.114748	2.865094	2.836099
2.791484	0.440393	2.328794	1.926185	0.408994	0.691131	2.576179	3.01709	3.337873
2.592864	2.323989	1.775924	1.453329	1.728355	1.404462	2.418703	3.785723	2.542158
4.076382	0.824019	1.054138	0.738659	-0.08833	2.668341	4.757335	0.338737	3.716018
3.60682	2.193433	2.764797	2.969799	-1.21508	NA	4.164745	2.906009	4.105676
2.438939	3.214096	0.724812	1.55508	1.925842	2.404258	2.071156	2.763277	NA
3.593997	1.29738	2.581961	2.786171	1.117867	1.109751	4.264906	0.771472	3.453304
2.542453	2.579095	2.52718	2.662509	2.118696	2.386654	2.049882	2.441992	1.775968
2.265405	1.635293	2.107101	2.085063	0.56423	1.591508	2.893504	2.769247	2.945243
3.007684	3.169162	2.336256	NA	1.667741	2.625076	3.323053	2.426464	3.126245
2.646516	2.210282	2.146058	1.777752	1.118732	0.926005	3.082042	3.378661	3.110201
3.237967	1.70978	2.504755	1.609272	3.127855	NA	2.983006	3.807343	1.863362
1.998287	2.067982	2.61205	2.601184	1.668412	2.324537	1.838179	1.457872	2.057308
1.697939	2.553784	0.881527	0.348024	1.614028	3.676574	4.755802	2.62685	2.229732
1.869474	2.648595	1.514599	1.544558	0.220121	2.22075	3.307976	2.356023	2.852788
2.571641	3.00612	2.220353	NA	2.601919	1.290756	2.278522	2.453028	1.875628
2.073102	3.433068	2.101044	2.033716	2.48773	1.855912	2.318679	2.153789	1.020191
1.313774	3.271409	2.437792	1.721896	2.75182	2.741811	2.693343	3.295154	3.361209
2.081426	2.411807	2.682756	1.444296	1.676708	NA	2.140766	3.54674	3.729643
0.957024	2.639355	1.380163	0.804262	0.952836	1.015773	3.533669	1.069192	1.908014
2.536333	0.079826	1.8293	2.435031	0.724097	0.689926	1.381794	2.352582	2.866189
1.390631	1.998948	2.560412	1.433124	0.821689	1.963093	2.431563	2.060019	2.431813
2.62743	1.965158	1.909624	1.428795	-0.41351	1.574607	2.885902	3.039009	3.357467
1.961833	2.016649	2.438724	2.492425	1.515916	1.425254	3.11267	2.633918	3.281775
2.956815	1.144785	1.376826	2.480169	-0.29973	1.990698	4.631412	2.930594	3.011985
4.618762	2.836231	1.785747	NA	-0.68864	3.001485	3.547787	2.533852	3.724026
3.186381	0.873082	3.390442	2.081997	1.207233	1.555091	3.553519	3.038086	2.848407
2.596529	0.404193	1.384309	0.322209	0.349065	2.927277	3.580772	3.510909	3.228418
2.32699	3.342521	2.372821	2.739274	2.109953	2.958697	2.880725	2.463775	1.945541
2.754293	1.864009	1.076314	1.326821	0.468722	1.623993	3.132028	3.1414	2.649819
2.304166	3.313009	1.088784	0.683389	2.498417	1.963681	3.111431	3.576911	2.919917
2.41151	-0.18792	1.315019	2.65011	-0.70727	0.220929	3.816861	2.805899	3.168014
1.74647	2.345098	2.220847	1.389112	1.369042	0.863627	2.52084	2.073407	1.91206
2.884525	2.788771	1.722666	1.679656	2.225553	2.211597	2.482336	2.656554	2.248846
2.612565	2.45106	1.664857	NA	1.940097	1.092093	2.746796	2.872324	2.204358
2.127917	2.149816	2.57921	1.592517	2.157495	2.176874	2.905558	2.823393	3.235059
2.460661	2.097571	2.166059	1.816278	1.499357	0.480087	2.627302	2.796238	2.091318
3.030632	2.669919	2.400629	1.820104	1.621187	2.676373	2.862834	3.148559	2.567652
1.199849	3.442249	0.859554	0.706209	1.311911	0.74825	3.847635	3.990819	3.453163
1.398759	3.401131	3.361834	0.394668	2.322408	0.47532	4.277082	3.556417	2.78183
4.405183	2.755216	1.896369	3.35178	1.666489	0.365004	2.556599	4.530044	1.893484
2.345348	1.873244	1.964254	2.438154	2.241395	NA	2.838021	2.82065	2.148519
3.241385	1.931362	1.458152	0.828972	2.012445	1.638839	1.566209	2.716171	2.839802
1.871454	2.339517	2.979777	2.008433	2.314879	1.804473	2.459923	2.357914	2.081754
2.373101	0.855989	1.652724	NA	-0.32664	1.331822	3.215876	3.769219	2.478137
3.707762	1.11293	2.537147	2.503208	1.438148	NA	1.800602	3.119686	2.763291
2.385437	2.659903	1.675485	2.36529	2.096152	2.470671	3.14851	2.403526	3.220875
0.990739	1.625495	0.700023	2.774486	1.785241	NA	3.054635	2.875209	4.051156
2.278247	1.919612	1.544786	2.078917	1.707425	1.07514	2.849875	2.765429	2.704761
2.590296	1.566834	2.638066	NA	2.528333	1.47761	2.891712	1.938862	2.330728
2.011139	3.68888	1.695407	NA	2.053549	1.962728	0.812734	3.510799	3.166511
3.292003	2.540681	3.683748	0.651979	3.147704	0.807764	1.66543	2.054032	1.988847

1.905474	0.005085	1.487462	1.478333	0.769335	1.263348	2.289081	3.398259	3.136729
1.71055	1.976058	2.062296	1.297649	0.913531	1.8886	2.518902	2.999391	2.623709
2.736451	2.615176	2.373146	2.892049	2.410126	1.547772	2.804076	NA	2.885057
2.324198	1.259423	1.718798	1.801622	0.854417	0.829841	3.451679	3.046643	NA
1.915116	-0.78053	1.194957	1.450393	0.636953	0.773866	2.735237	3.017505	NA
2.134626	2.686223	2.491329	NA	2.796023	2.502512	1.546799	2.259298	2.577167
1.032538	1.286947	0.320689	1.386286	-1.75927	0.632378	3.167138	3.495451	3.633302
2.694418	0.264576	2.310016	NA	0.721606	0.158373	2.844289	2.991931	2.767312
3.254392	1.390479	1.899741	2.641383	1.265483	0.231701	1.828494	2.072312	2.24387
2.832184	-0.58962	2.945003	2.432258	1.490209	1.25453	2.789154	2.711576	2.940406
1.44915	1.273391	0.831787	2.351951	-1.36139	0.568734	2.169988	0.369475	3.934471
2.653932	2.610587	2.218601	1.086837	1.660238	1.255019	2.740519	2.574156	2.766148
1.512314	2.458451	2.400321	2.291193	2.870097	2.344995	4.364622	2.438266	2.593015
0.76798	0.819506	1.631836	NA	0.462139	1.628963	2.382312	2.63273	2.151247
0.546964	-0.56887	0.080849	-0.06525	-1.50548	2.558383	2.020474	2.489334	NA
2.909765	2.57062	2.53642	2.341693	1.716572	1.054429	3.753379	2.104162	2.38951
2.028337	2.336195	1.878914	1.722353	2.383411	1.57245	4.366173	2.106935	NA
1.638243	NA	1.517249	0.910298	0.057992	1.900928	1.336488	1.342049	3.375139
-0.25	4.598393	1.825781	0.305501	4.081862	2.824792	1.465826	2.814513	4.034998
2.032602	3.671617	1.175216	0.175884	NA	1.825318	3.725885	3.232352	2.313001
1.744546	3.629086	3.175341	1.856111	2.930561	1.557464	0.825988	2.935195	2.941228
3.327366	2.566067	2.122317	1.290473	2.615548	2.00998	2.897129	2.780893	NA
3.796526	2.896866	1.426363	1.446452	1.785891	3.271168	3.841505	3.674903	3.221616
2.173265	2.378768	1.132399	3.123613	-0.31024	1.033852	2.003403	2.411824	2.954059
1.87878	-0.08083	1.703183	1.160645	-0.72977	3.191536	3.16654	1.845102	3.399898
2.425745	2.382235	2.388724	NA	2.582314	1.243867	2.546411	2.669115	2.242585
2.778339	1.913726	1.539258	1.869582	NA	1.989317	2.2988	2.852424	NA
2.792408	-0.03459	1.924257	2.854363	0.295829	0.18002	1.895946	1.454122	2.643144
2.05707	1.822162	1.684773	NA	1.357134	NA	2.509411	3.261576	1.412968
1.463243	3.242911	3.694207	1.984945	2.49652	1.786732	0.759602	3.254474	3.746544
2.938583	0.847814	0.372734	2.261161	-0.02911	-1.10259	3.707575	2.699345	3.543192
1.986848	2.594773	2.923932	1.568778	1.45694	1.866577	1.591471	3.027733	2.86822
-1.60859	2.471546	2.735803	0.359549	2.623044	2.769094	NA	1.027226	3.976694
2.214198	2.968136	2.371528	1.850878	2.436562	1.805746	2.43386	2.687942	1.848487
1.866412	1.881575	1.90933	NA	-0.08058	1.714227	2.323627	2.016466	2.279107
2.851307	2.61682	2.32234	1.086484	1.608815	0.593378	2.395527	3.295834	3.391511
1.526547	2.763702	2.153191	0.981325	1.40986	2.3758	1.769137	2.246083	1.729949
2.378668	2.779772	2.315196	2.194896	2.105559	1.659455	2.424412	2.523153	1.423321
1.918382	0.764105	1.494053	1.987875	-0.06315	1.894906	2.469451	2.185205	2.472164
-1.60669	4.257156	2.31425	1.008741	1.379148	2.896578	1.820924	3.336506	4.105716
0.485042	2.16299	2.569418	1.568719	1.044565	NA	3.199975	2.678552	3.197979
3.368767	0.745624	4.564462	1.796223	0.141476	0.869945	NA	2.847573	2.144187
2.694809	1.839474	0.704545	2.739264	0.09215	-0.56967	2.570716	NA	2.151244
-0.65385	3.889313	1.54511	1.03266	2.79838	3.692696	1.326038	3.454114	4.179962
3.425386	1.136232	3.561292	1.5586	1.494719	1.60685	3.374618	2.411016	NA
1.478108	1.659598	1.72624	1.977854	0.635047	1.308707	2.257789	2.329191	2.458168
1.787713	3.550815	2.342414	1.076174	1.34215	0.443289	2.71145	3.948722	3.201467
-0.65177	1.81739	1.538531	0.065253	-0.1921	3.691486	3.832653	3.833154	3.15064
2.305854	-0.35453	1.777385	2.021832	-0.11968	0.673766	3.052213	2.782732	2.968055
2.168061	2.474993	2.565781	1.731677	1.886158	1.488037	1.971168	1.9271	1.793724
2.287322	2.773174	1.831258	0.56686	2.910495	3.47055	2.992595	3.279462	2.053089
2.701626	2.058047	1.667409	1.761574	2.258784	2.168408	2.13392	2.531617	2.083223
3.498555	2.756445	2.062798	-0.18746	1.751831	NA	3.241413	3.440154	2.809152
2.34383	0.485116	1.014979	0.196044	1.270089	-1.0195	4.918461	5.366468	3.588605
2.4303	2.034314	1.4588	2.425865	1.741876	-0.1442	0.714057	1.842247	1.709889
2.278794	1.435384	2.095321	2.415259	1.559476	2.069341	1.628286	2.112435	2.220569
2.373559	0.7668	1.42093	1.833814	2.380415	2.623003	NA	4.164028	2.805406
1.806641	1.964771	2.525901	1.476307	2.202944	0.901329	2.618895	2.899068	2.16842

2.496759	0.476183	1.12134	2.325163	0.787797	1.651152	1.703507	1.945355	2.916471
0.248498	-0.66013	0.768435	3.186901	-0.09969	1.61324	3.809007	4.27729	2.485378
3.410084	1.701804	2.718915	3.404379	NA	0.379067	2.820514	2.176551	2.719838
2.000169	2.212742	2.448811	1.472165	2.541541	1.559792	3.904679	2.969603	2.53824
2.672843	1.721744	2.809997	1.685178	1.09285	1.780194	1.680605	2.202603	1.932924
3.770017	2.703635	1.277693	NA	3.451821	1.004865	3.542303	1.445064	3.043255
2.202539	2.429268	1.862265	1.136326	0.927601	2.308611	2.785294	2.771198	2.748021
NA	3.721987	2.144516	NA	1.972221	1.772682	2.529277	2.3191	2.440134
2.758391	2.392242	1.037944	0.548789	2.18323	1.006719	2.135915	2.585642	1.465688
1.025518	1.139339	0.898105	2.16647	0.451576	1.940603	3.608441	2.040633	2.847686
2.252339	1.600577	2.728541	1.940251	1.173183	0.421747	2.974645	2.586524	2.184673
1.379078	2.494854	1.8654	2.386337	1.989745	1.565036	1.831668	1.493399	1.998116
4.682587	0.421545	2.826665	2.74208	3.607642	2.443144	2.119072	3.492591	0.10614
2.268307	1.33471	2.10416	1.499371	0.802594	1.880244	3.737637	2.43445	2.761128
2.040614	2.134319	1.555467	1.577178	1.602184	1.912008	2.098594	1.520206	1.927236
2.647472	3.141631	-0.01894	0.963821	-0.41204	-0.50605	3.95874	3.191696	2.943388
3.12796	2.037089	2.661386	-0.14599	-0.68192	0.775149	3.062842	3.12063	3.019593
1.816204	1.522255	2.263016	1.911111	1.72865	1.235822	2.847614	2.969228	NA
1.698452	1.789934	2.12539	1.740471	1.844979	1.690096	1.979645	2.187117	1.681308
3.382731	1.077825	2.821561	3.116272	3.714988	-0.01602	1.253816	2.386658	NA
2.396642	1.387595	1.986311	2.005694	0.901606	NA	3.089499	2.820308	2.730104
1.845327	2.078183	1.01284	0.40673	0.583081	0.249865	3.212467	2.716321	2.541862
2.235373	0.801217	1.24337	2.037858	0.243174	2.162252	2.602241	2.812748	3.027625
2.009586	2.4219	1.698787	1.257195	1.238843	1.48334	2.783501	NA	2.349477
1.464313	3.06751	1.716114	2.015704	1.912937	NA	3.017148	2.696932	2.217895
2.931528	1.074825	2.798596	2.289331	1.98205	1.122425	2.910363	1.940664	2.223476
4.209081	0.190417	2.547351	2.268499	1.388612	1.953626	2.142466	2.693367	3.090296
2.588952	1.375752	1.419916	2.210991	1.65016	NA	1.818798	1.981211	1.465752
2.287734	2.044098	1.703612	NA	2.287748	0.732901	2.235769	1.926739	3.261893
2.017229	-2.05027	1.406024	3.226593	2.454142	NA	1.025214	3.026893	2.733076
2.27007	1.253327	2.52521	NA	2.901541	1.93097	2.870661	NA	2.479017
2.838579	1.937666	2.137391	1.820753	1.137463	1.109686	3.136159	2.075931	2.416598
0.667356	2.992904	0.856629	0.361386	3.425384	NA	1.383992	3.202371	3.988457
3.113188	2.081984	3.348375	1.983391	1.075412	-0.23361	2.553053	2.284646	1.918577
2.933827	3.100263	1.436137	0.35031	2.287303	1.544468	4.279963	3.181688	2.670416
2.514834	-0.35236	0.093795	3.822383	0.528589	NA	1.332643	1.619102	0.907349
1.722883	-0.30817	1.285988	2.1271	0.798638	4.135196	2.12133	3.723237	0.276618
0.889478	3.106244	1.181315	0.64576	-0.14161	0.969667	3.127594	3.211572	2.04842
1.55313	0.901832	2.553589	2.087721	1.2837	1.756921	3.040616	1.776126	2.295949
3.003625	2.505287	2.931132	1.395397	0.933367	2.42981	2.070813	2.936955	2.984766
2.427053	3.584723	2.824865	1.309337	0.812831	1.572765	3.022369	2.850798	2.58424
2.850639	0.652489	1.777929	2.347165	2.201842	0.995206	0.887564	1.273602	1.661247
2.130522	2.925289	1.765794	1.526158	1.525619	2.703241	1.548797	1.880281	1.786546
0.981509	2.014225	2.270149	1.891989	2.542476	1.75411	1.628758	2.044626	2.254138
2.716018	2.406256	1.290106	1.065131	2.148477	0.718126	1.611779	1.732327	1.827561
2.017376	3.343697	1.753137	1.881588	0.4074	1.174509	2.299742	2.819951	1.268096
2.529255	1.016335	2.251175	1.695677	1.570308	1.113879	3.097868	2.303305	2.691904
1.483302	2.927811	0.712367	2.2654	2.124686	2.536613	2.881111	2.653584	3.23941
2.282277	2.17267	2.479209	1.768113	1.794575	0.412127	1.610569	2.242281	2.392214
2.355199	1.650606	1.285669	1.511729	1.572828	NA	2.982231	2.367557	3.053484
2.734913	0.709633	2.031495	2.813636	1.41464	1.23561	1.337645	2.508286	NA
3.120139	0.517473	3.482833	2.704894	2.446157	0.386345	2.586036	3.382018	2.395273
2.04572	-0.01262	1.898639	1.875588	-0.43008	0.739792	3.991363	2.268004	2.764872
0.456972	-2.02417	0.65771	0.896468	0.505819	3.389905	4.301045	NA	2.425502
3.043281	3.016364	0.911838	2.047889	1.240285	0.880063	NA	2.280005	1.452838
1.795511	2.021434	2.565882	1.116866	2.553379	1.967604	1.604956	1.913021	NA
2.802736	1.796368	2.064376	0.597802	2.487474	2.789855	2.492408	4.332176	3.855628
2.292318	2.478389	2.675493	1.92865	2.060248	2.164835	2.861806	2.19314	1.820381

2.720721	0.778732	2.630221	1.104555	0.519089	0.492324	2.078977	2.683561	2.711903
2.696015	1.654616	1.646566	1.366741	0.670753	1.201938	2.67113	2.965926	2.395276
2.582541	2.778095	1.456797	0.475257	1.43127	3.205613	3.127454	2.763485	3.16508
2.618682	1.619255	2.454258	NA	1.477203	0.975906	2.104925	2.118625	2.107894
2.765418	0.888379	1.77996	1.93443	-0.28637	NA	3.013703	2.740188	1.96412
1.697921	0.205949	1.387423	1.851658	0.803706	0.642605	1.848658	1.801166	1.489918
1.305581	1.087355	1.151645	1.608557	1.323688	0.097608	1.519532	2.196417	2.602056
2.857818	1.528517	1.356062	2.371309	1.318614	NA	2.2199	2.941837	1.692074
3.022211	1.957486	2.450715	1.696203	1.780907	0.676193	3.334825	2.756136	2.154984
3.15456	1.016452	2.363097	2.436032	1.262873	0.578149	2.267055	2.812648	NA
2.436918	1.181032	2.230044	2.472355	1.913799	2.994872	2.449677	2.445459	2.051639
1.487586	3.110394	1.172243	0.940266	1.431821	2.476998	0.237958	2.048742	1.782058
2.435954	1.533922	1.984504	-0.55136	1.86415	1.704974	3.927904	3.97987	NA
1.909943	1.227639	1.640763	1.503009	1.611821	1.049861	2.8755	2.854311	2.897272
0.941455	1.505297	1.75168	0.605425	0.906238	2.851586	3.125534	2.638786	1.863301
1.854455	-0.13416	3.022384	NA	0.526959	-0.25722	3.379651	2.113332	2.68696
2.870573	1.260799	1.252263	-0.18782	-0.29688	-0.46934	2.889387	1.578524	2.473368
2.348672	2.111027	1.555696	1.401743	1.207645	NA	1.94137	3.228434	2.577455
0.424258	3.284703	1.62295	2.15765	3.166435	2.015586	1.933557	2.578878	3.426143
3.095142	2.254002	1.437661	2.97824	1.992533	1.909294	2.268721	1.761716	1.596593
1.590246	1.545468	1.734245	NA	1.890401	0.747742	3.799708	1.902605	1.885197
4.076209	1.864113	1.091685	2.489319	2.089877	NA	0.568258	0.387996	1.746518
2.400201	1.815969	2.331481	1.615288	1.380242	2.076077	2.913744	2.465744	2.107438
2.176987	1.623844	2.574248	2.321022	2.314374	0.61965	2.218629	1.92983	1.915387
-0.89353	3.432767	0.248229	1.017536	1.363116	3.509327	2.758131	1.077548	3.748465
2.404428	2.068936	0.823692	1.177968	2.316101	NA	1.937577	1.069166	1.233329
1.804362	1.668206	1.772753	1.959369	1.701123	1.589659	2.622544	3.254924	3.158885
2.749314	2.811355	0.731573	0.275681	-0.87467	1.054087	2.506992	3.232107	2.071053
1.984429	1.034491	1.593595	1.113098	1.140367	1.598368	2.224292	3.079681	2.808282
3.084063	1.633605	2.101454	2.933669	0.651826	1.295549	3.874693	3.410258	2.649144
2.790074	0.344885	2.497503	2.929323	0.128193	0.988614	1.850608	0.671078	2.069041
1.886096	2.554866	1.51885	1.134457	1.287973	0.72951	1.257794	2.35555	1.8954
2.945971	1.740429	1.307536	0.830417	-0.00058	2.16164	2.506933	2.426006	1.941909
0.561272	3.193705	2.257026	1.561219	3.197104	2.045707	1.905606	1.730996	2.943263
3.129446	2.50302	1.368859	2.06115	3.032642	2.348882	1.435355	1.993024	1.335655
2.622811	1.820418	2.104251	1.719273	1.579589	2.145136	1.903322	2.80418	1.994436
0.748304	2.572428	1.316845	1.635994	1.637291	2.05704	2.970417	1.954683	3.080027
2.508905	1.618412	2.036516	1.48125	0.843365	2.081996	3.210245	2.019385	2.242117
2.575093	2.28114	1.344459	2.40514	1.814919	2.376247	1.990409	1.996705	1.580943
2.582524	2.060619	1.996171	-0.73741	-1.56265	NA	3.395345	3.279622	2.928503
1.88011	2.251103	1.775892	2.189429	0.665042	1.701469	1.780532	1.483367	1.669468
-0.11786	1.838222	0.857182	1.334339	1.295393	NA	3.188061	3.407601	3.629759
0.737812	2.013613	1.182319	-0.03561	0.424021	2.092415	2.352763	2.365244	2.208625
1.864327	1.802596	1.814407	NA	1.711256	1.674598	2.159793	2.021095	1.703186
2.330558	1.953421	1.953957	1.001088	2.61726	1.366432	2.269577	2.809025	2.40992
1.420688	-1.47174	1.655846	0.374704	-0.68752	2.626591	2.549181	2.472554	2.701272
2.662736	0.960593	2.614659	1.80486	-0.37944	3.287744	2.632976	2.965592	2.156393
2.192243	2.758038	2.364413	0.316469	-0.34119	0.516893	2.594371	3.988615	2.294688
2.181626	2.271813	1.923497	2.351316	2.484011	3.007771	1.981638	2.273191	1.929658
1.64813	0.79433	2.014868	2.074677	0.340637	1.552899	2.550826	2.724244	2.248809
0.893272	-0.00278	0.685145	1.660099	-2.39134	1.675511	3.746415	NA	2.997674
2.792361	2.773336	2.363218	1.973465	2.53818	1.841389	1.711648	1.992422	1.672813
0.74419	3.352166	3.019154	1.229109	2.057489	1.670106	1.253506	3.200909	3.265906
1.558677	2.497446	1.883662	1.629005	0.60287	-0.41351	2.853635	0.230282	4.733118
0.922076	1.582038	-0.44134	0.901284	-0.08072	1.150524	4.983291	4.122011	2.819197
1.194301	3.235345	1.955745	0.658369	0.743698	0.77585	2.453853	2.662301	2.181257
-0.46145	0.524875	0.649641	0.662733	0.830681	1.69817	3.58331	3.575152	3.385273
2.024112	1.99051	1.788191	1.851483	1.571441	1.645435	2.432147	2.400395	2.112122

1.704623	1.662866	1.648701	NA	1.480204	1.053014	2.295999	2.138322	2.498715
2.116494	2.438043	3.266327	0.917915	1.448549	0.676888	2.299492	2.228796	1.424182
2.862955	1.352622	3.695177	2.990244	2.34004	1.014349	1.704498	2.961349	1.371025
1.913757	-0.90859	0.469864	1.325944	-1.8184	2.281903	2.329009	2.28535	2.730116
2.561205	1.094647	1.359171	1.83187	1.793537	-0.55595	2.632442	3.921766	3.138563
1.892145	2.271597	2.29367	1.943456	2.556756	1.54509	2.019814	2.46265	1.835371
1.863912	2.231784	2.790935	0.382667	0.525046	1.776696	1.929649	2.201922	1.857469
3.259548	3.240755	2.904167	0.566632	1.702106	1.922889	5.635997	3.430247	3.738673
2.153245	0.740943	0.003567	1.436135	1.584049	1.319852	2.495399	1.552081	1.548
3.976733	-0.43703	-0.3956	NA	1.066104	-0.37837	0.436729	0.19276	2.467121
2.110771	1.340992	1.526588	2.089689	1.823038	2.516963	1.652191	1.927891	2.001026
2.253628	0.785597	1.361712	1.802015	0.625918	NA	1.74216	1.591029	1.514551
2.004747	2.514099	2.936582	2.127772	2.252104	1.700686	1.795743	2.018065	2.011882
2.599896	2.430748	2.158612	NA	2.027119	1.617042	2.179131	2.16531	2.073751
2.706913	0.860118	1.953306	2.080191	1.919544	0.461604	3.3369	2.005648	2.663361
3.1629	0.915446	2.35334	1.918927	-0.16847	-0.06741	2.740163	2.497334	2.329738
2.983284	2.118819	1.072422	1.527049	-0.12239	0.520112	3.830452	3.154873	2.747921
1.856442	2.601851	0.642855	1.578151	1.411308	1.827257	3.629396	NA	2.367671
0.938127	2.47606	1.975472	2.001462	0.964939	0.290294	2.833643	2.169089	2.228099
1.37379	0.576351	1.154011	4.775801	1.53008	2.952904	3.875276	0.197872	NA
-1.01506	3.659259	1.207617	0.230996	1.743172	3.009484	2.555763	3.356324	2.756883
2.280946	1.732861	1.653418	1.027664	2.273819	0.674272	3.042678	4.0702	2.793795
0.857017	0.298588	1.795306	1.640247	0.05656	0.278745	2.288964	1.944285	1.879507
2.643592	3.287323	2.144846	0.463302	1.080659	NA	3.274709	3.146831	3.008368
1.940322	1.114874	2.309836	1.509486	1.420533	1.499145	2.282968	2.271361	1.875348
1.692882	3.434322	1.787642	1.642073	NA	2.151081	1.592427	NA	1.506242
2.199702	2.170394	2.004095	1.897639	3.523155	2.23799	1.394642	1.490485	1.569026
2.617855	2.138447	0.161855	1.511972	3.055329	1.935082	2.06399	1.990351	1.81701
2.83183	1.62813	2.885029	1.221791	1.438541	1.653012	2.675246	NA	3.079473
0.939789	2.388414	1.540355	0.522802	0.430241	1.909946	2.470726	1.925779	1.87805
2.635452	2.233297	2.961226	1.884839	NA	2.026166	2.209461	NA	1.662561
2.62088	1.859113	0.999037	1.714043	1.625082	1.601883	2.798278	2.393004	2.924297
1.989537	1.828621	2.205369	0.896669	2.421256	0.987933	1.824209	1.770204	1.471735
2.654601	1.171959	1.295893	1.378981	1.233961	1.95336	2.252165	NA	2.287497
1.812478	2.113526	3.021127	2.421739	2.483202	2.255597	2.218745	3.111709	2.460637
2.175198	1.231243	1.920581	2.418709	0.782299	0.807204	2.604731	2.092427	2.161923
2.192125	0.921018	2.515669	1.6397	1.997794	0.616023	1.897536	2.054482	1.238751
2.093243	0.559884	1.193519	1.952096	1.117747	NA	2.578007	2.120177	1.950362
1.315929	1.059596	1.52861	1.25642	0.953385	0.702109	2.695883	2.477772	2.374469
1.153453	3.801078	0.815288	1.64171	0.28186	1.434649	3.554477	1.667117	1.845308
2.461756	0.545936	1.415383	1.372222	0.842535	NA	2.725865	2.639248	2.574982
0.175254	1.607642	1.640902	0.339246	1.303325	1.234486	3.7303	3.382133	3.599001
2.816062	2.482853	2.017148	1.790011	1.799491	2.20454	2.325915	2.862443	1.565982
2.398093	0.865096	1.108824	1.310828	0.030499	2.575692	1.771369	1.599408	1.938979
1.715089	0.691143	1.746105	1.347036	1.149685	1.04185	2.099372	1.313803	2.186269
1.07346	2.542028	1.651929	0.715767	2.27662	1.401351	2.219056	3.340837	1.971184
1.828863	1.043252	2.776301	NA	1.961198	-0.1931	3.233487	3.382458	1.930859
2.403871	0.272207	2.356809	2.186756	1.41121	1.098598	2.764628	2.215093	1.917787
3.07284	0.922762	2.266361	1.82896	2.776876	NA	2.577395	2.536966	2.847579
2.364315	1.389434	1.169215	3.25349	1.532272	1.838299	1.34778	2.123271	NA
0.770723	0.439862	1.00956	NA	-0.18887	0.926629	2.477454	3.149919	3.034643
0.673772	-0.10898	-0.54595	2.147745	0.658633	-0.46976	3.046918	2.755578	2.703055
3.043463	2.481198	2.424554	2.018462	2.072562	0.718546	3.071749	2.954254	2.016836
1.972729	1.101455	1.327575	2.200905	1.972159	-0.40227	2.644573	2.877261	2.668969
-0.99067	2.85394	2.329356	0.781907	2.205643	3.077246	2.250678	2.438152	3.042998
1.907582	1.559316	1.943007	1.473763	1.756595	1.517175	2.906399	2.584951	2.497936
2.260853	1.703459	1.086026	1.565841	1.692534	1.114014	1.693564	NA	2.422547
1.882151	1.372621	2.292263	1.484727	1.348147	1.127671	2.473935	2.392332	1.887059

3.477828	0.241707	2.713371	NA	2.470377	1.940978	2.106124	2.913952	NA
-0.62573	0.234902	0.700203	3.126867	-0.08246	4.28608	2.11603	0.037346	0.173202
3.062465	1.203493	1.860179	NA	1.085057	2.608155	2.736207	2.988977	0.668815
3.485416	0.553763	2.627817	1.972567	1.223371	0.593608	3.268404	3.286654	2.612589
1.156965	3.087548	1.794572	1.220774	1.218538	2.379562	1.763682	1.957244	1.429458
1.667299	2.129593	1.67346	2.359654	1.707856	1.489415	1.059395	0.769082	1.064572
3.426713	-0.25255	2.164573	3.96482	2.095657	-0.02305	3.345023	2.631391	2.292647
1.507213	0.835246	1.134374	1.430533	1.41759	0.580073	2.929484	1.677539	2.97934
0.443394	0.105672	2.818601	0.48007	2.164998	-0.17018	1.585692	1.852353	2.858988
0.909722	1.477718	0.221598	2.14804	-0.59926	2.340839	2.818085	2.153513	2.051324
1.894098	2.095312	2.468599	1.579121	1.903292	1.712755	0.77763	2.699146	2.703131
2.009537	1.961849	1.412767	1.973405	1.494978	NA	2.268461	1.716665	1.952412
2.516842	2.022985	1.697055	-0.53962	1.428021	0.435829	2.845473	3.175774	2.710412
1.794707	1.260959	1.376362	1.804511	1.137394	1.532283	2.113901	2.405305	2.136239
-0.46518	2.600546	1.234665	0.203591	2.503354	0.632564	0.804274	3.078742	2.412421
2.695971	1.650377	2.397638	2.103187	1.43571	1.474685	2.259475	2.264249	2.116672
1.579237	2.028048	1.626951	1.417196	1.089422	0.967149	2.33339	2.414139	2.60361
2.042262	1.152543	2.22899	3.11629	2.841749	0.287434	2.914309	2.114825	1.430446
2.125971	1.817303	2.368994	1.571333	1.009219	1.234498	1.962111	1.943845	2.137373
0.078113	2.234408	1.764078	0.609344	-0.41563	1.354827	1.940032	2.81512	2.664409
4.259489	0.086082	3.121253	2.082399	2.037418	1.157621	NA	4.501873	2.551863
1.338773	-0.13252	1.303811	2.020028	0.013465	1.002177	3.020656	2.168701	2.874215
2.582731	2.190215	1.697234	1.346713	1.187108	1.682902	2.435728	2.132475	1.797692
0.054321	3.239468	1.558698	0.926312	2.506871	3.059255	3.238316	3.422252	3.453389
3.951875	2.06691	1.386485	0.422542	1.187325	0.626693	1.214666	3.572028	1.257193
2.2613	0.728377	2.208951	NA	1.206691	0.706625	1.898423	2.175305	1.893348
1.635397	1.733848	2.430899	1.848251	1.774916	1.185431	3.140676	2.265927	2.117267
2.137775	2.590397	2.499467	1.755399	2.549421	1.313125	1.817149	2.016177	1.801617
1.316968	-1.46859	1.495681	NA	0.816361	-0.09599	2.274378	2.914843	2.71648
0.26322	NA	0.30597	1.550969	1.757801	2.834915	2.299606	1.993753	3.600284
2.178368	1.890552	1.90512	1.455288	1.557754	1.159359	1.978632	1.53928	1.884668
1.669523	3.402962	2.563826	1.80564	1.871771	1.260521	2.801868	1.804526	1.835119
2.159027	1.664201	1.858067	2.266548	1.150117	1.528017	1.906538	0.754128	1.088643
1.541014	2.514354	1.657184	2.227801	1.586212	1.306776	1.624216	1.834175	1.691958
0.468234	2.336268	1.448087	0.499848	2.045393	1.688062	2.143616	2.923728	2.173914
NA	1.364255	2.111473	1.943248	1.652359	1.316354	2.155546	2.271158	1.722735
2.527247	2.599953	2.432893	0.811414	0.141408	1.592196	2.546259	2.827485	2.501981
1.784779	0.282746	1.175036	1.442801	-0.07743	1.476138	2.771713	2.454728	2.700612
1.435465	2.317048	2.798159	1.510091	2.263448	1.619116	2.056237	2.756686	2.877564
2.159195	-0.02226	0.862716	1.528007	-1.03946	NA	1.804194	2.141918	0.994111
2.422799	2.225446	3.190559	#####	1.669687	1.654764	2.094158	2.70361	2.139344
1.137678	1.984478	2.884074	1.367107	2.457982	0.83122	0.61046	2.791292	3.084703
2.994958	1.660737	1.823467	2.430566	1.138503	0.685779	2.17091	2.74221	1.92637
2.171024	1.13963	1.263231	1.201184	1.081226	-0.64727	1.296724	2.727706	2.106898
1.515201	2.258459	1.772107	1.95843	1.25596	1.914418	2.257926	1.966448	1.52672
0.150788	1.299979	1.817831	1.854218	1.592846	1.197475	NA	2.389796	NA
3.534048	1.202629	2.617117	2.574451	2.751658	1.345234	2.20789	2.373665	1.50152
2.155407	1.852336	2.328476	1.518877	0.674658	0.936166	1.84451	NA	1.828589
1.235743	4.985681	2.166737	0.951092	0.320895	1.019833	1.760278	1.167544	1.854376
2.39946	1.60622	1.361681	1.502644	-0.08772	0.55741	1.468496	2.310874	2.154447
3.146962	-1.18273	1.452359	2.228427	0.673213	1.398992	0.612985	0.059924	2.174817
1.930941	2.107331	2.239999	0.729823	1.694985	0.762635	1.77978	1.878262	1.45634
2.914236	0.895138	1.556816	2.92486	1.101137	2.950335	1.968196	1.905447	2.083877
1.452473	1.930979	2.215251	2.036378	2.032034	NA	0.365533	2.315728	2.266859
2.283892	0.257918	1.742125	1.623619	0.893813	0.715371	2.748618	2.484682	2.801124
2.691671	0.873167	3.936998	2.095341	2.137291	2.220689	2.164511	1.18866	1.773096
1.908299	2.596198	2.481302	1.817003	2.616512	1.011611	2.32646	2.577577	1.623569
1.033726	0.311882	0.900518	1.103053	-0.45802	NA	2.718603	1.629295	2.02787

1.48996	2.243946	1.619669	1.041719	1.568886	1.205645	1.493325	2.116098	1.660931
0.26578	1.39204	0.823323	NA	1.028063	0.453491	2.18109	2.056058	2.724728
2.252538	1.716176	2.79496	1.529891	2.120398	2.446661	1.57852	1.289183	1.18041
0.665173	0.239068	1.010797	0.449911	1.147678	2.253252	2.881368	2.680033	2.767343
1.400488	1.883311	1.956619	1.722621	2.454505	1.684871	2.220583	2.548195	2.805441
-0.2423	3.140105	1.573084	1.033452	2.359386	3.395612	1.787234	3.005122	NA
1.48664	1.422429	-0.24419	NA	0.996663	-0.82747	3.158692	2.068199	2.731201
3.058907	1.840098	2.186063	0.435952	1.340488	0.506595	2.399164	2.453128	1.963797
2.018725	2.787132	0.641571	0.394831	1.863813	1.418732	1.763322	0.981791	1.343873
1.352601	1.60749	2.573112	0.217816	2.195824	1.52802	3.744056	2.377883	1.866007
1.675084	2.399887	1.989817	1.968441	1.771371	1.518975	2.658311	2.568009	1.821893
0.243359	2.288805	0.789088	1.346695	1.713538	0.583395	2.156814	2.199188	1.873989
1.92327	1.160743	3.751782	2.352058	1.961926	0.502177	0.986213	3.674051	3.253484
1.94459	2.975806	1.832904	3.184558	2.505383	2.895454	2.21299	2.243636	3.111384
2.873952	1.278617	2.292562	1.803184	1.949761	NA	1.311956	1.432194	1.787504
0.933198	0.718732	0.716475	NA	0.304441	1.531499	1.43684	0.156884	1.515113
2.280609	1.077682	1.888032	2.163279	1.775607	1.951718	2.437315	2.203568	2.391613
1.923386	0.540544	1.808021	2.812292	1.654097	2.244472	1.628952	2.215198	NA
2.229708	2.516782	-0.03943	1.018628	0.823889	0.739017	2.729876	1.932086	2.206899
1.723451	1.457846	1.696648	1.071633	0.525354	-1.14701	1.557709	2.814558	2.479767
1.418622	1.907339	2.013283	1.409999	0.591113	2.293702	2.131431	1.697854	1.877839
2.445856	3.520086	1.918183	1.173968	1.460746	0.63517	3.304269	1.423922	3.585695
2.009133	2.007235	1.506187	1.575147	1.200065	1.343631	1.9256	2.563573	NA
-0.00799	1.064271	-0.04413	0.15135	-0.5491	2.738413	2.615155	2.962676	2.729851
1.415011	0.044843	3.318379	3.112197	1.720387	0.148703	1.654795	1.789851	1.730155
3.575531	1.462644	3.222406	1.727526	0.043423	0.841625	NA	3.147759	1.081467
1.672917	2.465455	1.399707	0.092105	1.025735	2.859252	2.19938	1.456674	1.6971
2.24925	1.747456	2.56271	1.64601	-0.50979	0.918667	2.174846	3.208124	2.299426
2.184414	1.73051	1.579412	2.126879	1.829633	NA	1.788723	1.865317	2.026451
-0.52084	2.890476	2.322091	2.159246	3.007107	0.14554	1.28857	3.408428	3.157609
0.370911	2.972529	1.558457	1.113463	2.173507	2.47105	2.348103	2.544029	2.661359
1.320036	2.567694	1.894782	0.705595	0.712545	0.985674	2.037964	1.985534	2.213412
3.011692	1.634783	2.927385	2.03501	0.408352	2.281876	1.411267	-1.49169	2.330708
-0.79495	2.255709	1.708756	-0.93028	1.544647	1.608154	2.940569	3.178953	2.963383
0.649744	-0.8079	0.247451	0.454391	-1.89619	1.914917	1.279261	1.294007	1.384887
3.019182	1.392302	1.81267	NA	1.875875	-0.09182	1.935504	2.593163	1.587626
3.024028	NA	3.603869	1.18168	2.200371	-0.38861	2.594338	3.725488	2.47462
1.862511	2.716141	1.541262	1.95698	2.05671	2.106726	2.342477	1.763216	1.508936
1.301221	0.975439	1.713958	1.363572	-0.15268	1.931879	2.131604	1.7904	1.893835
0.402687	0.433498	2.639282	0.22969	1.822464	-1.05306	3.367689	4.301866	2.01874
1.54157	0.584902	0.677273	1.499538	0.360296	NA	3.689764	2.090833	2.516838
0.691828	3.184319	-0.13449	0.287556	1.584342	2.528819	1.126847	1.103834	1.022894
2.699271	1.247036	1.178125	1.948873	0.802373	2.455637	2.255076	2.438323	1.90348
2.27605	2.046836	1.368996	0.298554	0.662541	0.935797	2.24578	2.576014	2.253825
1.501567	3.126649	2.313371	0.994032	2.219478	2.06207	2.235999	2.533609	1.693623
1.738161	1.647123	2.338155	1.613266	1.657694	1.10007	2.654659	NA	2.262872
0.720245	0.168852	0.981345	NA	0.4303	2.368977	2.483318	NA	2.108035
1.502746	0.011094	1.137669	1.548129	0.20955	0.782327	2.433739	1.812352	2.358674
2.636975	1.041941	2.523684	2.076628	1.959357	0.557667	2.103373	2.123664	1.776371
2.250733	1.222488	1.840105	-0.18976	1.535596	0.364814	2.884714	1.910199	1.443469
2.350856	1.45045	1.694133	1.72898	1.141794	0.543353	1.991651	2.249179	2.27918
0.125653	0.95313	1.81569	1.980763	-1.18451	1.144544	2.236622	1.525049	1.565553
1.71157	-0.47262	0.535283	1.66462	1.027262	-0.07579	2.850885	3.056191	2.824195
1.764426	1.132981	2.102844	1.175878	-0.23731	1.754342	3.222502	2.144699	2.640313
1.566814	1.550356	0.655025	0.570096	-0.59037	1.62909	2.335425	0.335914	2.826821
4.387613	1.983976	1.867197	2.177712	3.587134	0.921685	3.760648	4.897551	2.509679
2.234213	1.725725	2.311417	2.6108	2.127989	0.209682	1.029523	0.690614	0.647148
2.436013	1.74932	2.129434	1.863889	0.904186	1.605823	1.675103	1.670082	1.617028

2.46877	1.80603	2.405401	1.182435	0.917563	NA	2.421573	1.949629	1.832375
2.175452	1.695908	2.327853	1.836314	0.612846	2.089711	2.170682	2.565346	2.175381
0.287746	0.792969	-0.23573	1.901605	0.672853	0.377028	1.185079	1.345043	2.280672
3.508663	1.477464	1.457189	3.168056	2.198723	2.517677	1.730738	2.171983	1.7895
NA	1.448249	1.15645	1.078823	0.533434	0.932047	2.653899	NA	2.385
1.720458	2.117389	2.432364	1.468488	0.175572	3.205278	1.935664	1.971473	1.492434
3.265527	1.302584	4.006364	NA	0.634636	0.783625	3.213138	2.714064	1.98489
2.259797	1.737324	1.670416	0.639071	-0.48018	0.893596	2.65067	2.590392	2.389291
-0.3438	2.133932	0.799627	NA	-1.41189	0.902666	2.312226	1.563446	2.031646
2.694393	3.212084	1.853103	NA	2.606561	0.846935	1.084091	1.878452	1.212026
2.430363	0.891812	0.456715	2.543422	2.525915	1.244017	0.37891	1.611991	0.52284
0.386933	-0.04485	-0.56747	1.248783	-0.49623	NA	1.221234	1.061535	1.738276
1.790947	1.253035	1.514282	1.385521	1.572462	0.464972	3.253334	2.191115	2.109705
2.321984	2.040656	1.570357	0.639108	1.695874	1.342478	0.885265	2.175493	2.085105
2.141611	0.90179	1.998423	1.060492	2.262194	0.535581	1.35106	2.56616	1.596051
1.726396	-0.29166	1.924866	1.72555	1.114854	1.199859	2.835881	2.336456	2.361183
1.637482	1.810286	1.833195	1.0818	1.208775	1.585755	3.493144	2.091649	2.036604
1.898374	1.484769	1.476085	2.083603	0.818106	0.350701	4.016733	NA	2.69096
1.531444	2.415466	1.624186	1.217529	2.466679	1.94764	0.244192	0.255436	1.260358
1.366572	0.545605	0.781006	-0.18841	-1.35425	NA	2.865753	3.016975	3.283901
1.192416	1.322312	0.452321	1.819165	0.504666	1.650069	2.732225	2.004049	2.182391
0.132266	2.792608	0.738659	NA	0.764938	2.276281	2.689492	3.439156	2.06742
2.551605	1.515772	1.946134	1.832874	2.478152	1.508522	2.274757	1.999606	1.661433
-0.87346	2.309942	0.863821	1.42695	0.655135	3.300283	1.171122	1.347407	3.492601
2.478582	1.533807	1.541692	0.181316	-0.62555	1.823502	1.828621	2.949342	2.721826
-0.61408	1.211218	0.778345	0.396982	-0.49711	NA	3.450962	2.952439	2.495906
0.701754	1.598697	1.090145	1.656307	0.945308	NA	2.170198	2.082936	2.066608
2.103097	0.920603	1.663182	2.37234	1.294379	1.710905	3.47317	1.909808	NA
1.382079	0.282166	1.457743	1.277617	1.224647	0.299873	2.748484	2.71672	2.580382
2.063457	2.379225	1.655187	1.639343	2.76178	0.989149	1.725289	1.665633	1.439531
0.259717	1.819666	-0.2191	1.249324	1.107185	1.945085	1.959373	1.608454	2.051204
2.535959	1.117369	3.508685	1.823722	1.489436	1.506315	2.820618	2.74518	2.361578
1.241592	3.065709	1.711635	0.468484	0.308876	1.050017	2.279602	2.824455	1.479937
1.517318	2.505078	1.83331	0.868312	0.289853	1.057125	1.338806	1.430492	1.76824
2.273214	2.122042	2.03078	1.964633	1.155975	1.439071	2.536077	1.847744	1.765468
2.229724	1.687328	1.999608	2.235608	1.066668	1.655488	2.484905	1.778886	1.680288
1.398791	1.403233	2.164325	1.557901	0.27833	2.758988	3.196188	2.330882	2.189041
-0.80187	3.122777	1.549311	1.349081	1.709665	3.525205	1.707525	2.118884	2.71643
-0.16208	3.065818	1.160611	0.632503	1.6843	3.526539	2.054847	1.781424	2.931153
2.463515	0.645573	0.210765	0.209003	1.569772	NA	0.13352	1.413414	2.523181
1.993925	0.059249	-0.02477	2.549222	1.189378	1.675279	2.439623	1.213672	1.814207
1.700454	1.56852	1.499615	1.650285	1.8136	0.290635	2.582735	1.759656	1.808954
1.239443	0.62764	1.141444	1.277527	-0.25412	0.97798	2.061199	1.737673	2.109283
1.880609	0.735393	1.702926	1.34025	1.212388	0.550783	2.801032	2.562497	2.371019
2.211718	1.184652	3.087838	0.142246	1.52086	0.476742	2.202701	4.030078	2.571894
3.162764	2.230448	1.124389	1.223829	1.26822	1.613416	1.725103	1.253871	1.395654
1.679811	1.154211	0.991877	1.353702	0.678711	0.568481	2.563859	2.644144	2.863928
0.434127	2.789767	1.019672	NA	1.20491	1.960552	2.6776	1.706362	2.252361
2.083675	1.485253	1.641469	0.810478	2.070089	0.78709	2.464176	2.576624	1.148363
1.767259	1.798517	1.847365	1.727075	1.583011	1.778225	1.521073	1.798662	NA
2.483327	1.334667	1.732145	NA	0.820532	0.651672	2.919782	1.971376	1.559451
2.710237	1.822752	2.507625	1.801319	0.706358	1.245881	1.631149	NA	2.268644
1.402682	3.090873	1.718938	0.312755	-0.35952	2.276099	2.495337	2.910509	1.827179
1.19466	0.833253	0.918996	0.905534	0.633989	0.799983	1.991287	2.199935	2.204929
2.09822	1.844274	1.757897	1.665043	1.440226	0.704819	2.026153	2.16175	2.009861
0.534208	2.241757	1.951502	0.302262	1.930263	NA	0.465174	0.162038	2.4936
2.437139	-0.22709	2.012437	0.586328	-2.00308	1.494501	2.558111	2.372608	2.210898
2.562214	1.987452	1.753043	2.10376	1.507772	1.055157	2.988347	1.438984	1.600856

2.585476	-1.27326	2.585733	2.661116	1.704481	-0.58571	3.844167	2.431107	3.07484
2.327902	1.536417	1.752984	1.757053	1.490238	0.61308	1.90295	1.896513	1.656708
1.449335	-0.50902	1.46344	1.651814	0.367872	0.597888	3.236379	2.592494	3.082822
1.30646	3.121463	1.509685	1.176965	1.005608	NA	2.843014	2.755991	2.123222
0.643616	2.80994	NA	1.302911	2.120248	2.023576	0.772955	1.350553	1.633077
1.465451	0.516832	1.293569	1.609743	1.39996	0.951774	2.883077	3.549082	1.581126
2.175285	2.256796	0.227811	1.069409	-0.30426	NA	2.210847	2.531209	2.22338
3.477969	1.803753	1.220928	1.545261	0.960933	2.637722	2.58951	2.173314	1.809755
3.016399	1.464987	2.12321	2.021452	1.999447	1.804762	1.804586	2.106613	1.953333
1.900382	1.698956	2.120778	1.522952	1.33971	1.628983	2.656198	2.660202	2.049237
1.632273	0.782624	1.538785	1.39873	1.887965	NA	2.580111	2.261091	1.496728
NA	1.763588	1.97871	1.738953	0.973356	1.864161	1.737117	2.332889	1.532131
2.518091	0.313801	2.625884	1.966348	-1.47384	1.628976	2.035104	2.440693	2.624447
2.059071	1.90729	2.584209	0.842046	2.106192	0.5333	2.453508	2.537329	2.01319
2.341031	1.937296	1.384152	1.177872	1.664178	1.503393	1.701062	1.243063	1.389733
2.859886	3.465247	-0.04343	NA	1.855366	1.974515	3.455528	1.746521	1.411922
2.431869	1.734083	1.982869	1.631575	1.030037	0.03529	2.342118	2.528504	2.38539
1.060092	1.372898	0.157985	0.871342	0.627284	0.718903	3.015492	2.615003	2.883282
0.778661	0.483842	0.224466	0.671903	NA	2.332619	3.441718	NA	2.875545
1.425062	1.72945	0.116154	1.455622	-0.66462	0.760392	3.099715	0.92903	2.841545
1.833425	1.15226	2.110123	2.043327	1.141042	0.495834	1.59355	2.092031	1.876957
1.143924	2.66955	1.536593	0.516029	0.919524	1.785369	1.302494	1.60061	1.075804
1.683965	1.505991	2.227967	0.485519	0.915965	1.273016	1.915728	1.940993	1.665841
1.72427	1.732949	1.358009	1.445774	0.980551	0.400845	2.292181	2.009001	1.812432
1.414018	0.764601	1.171823	1.734786	0.739029	0.824282	2.209852	2.358634	2.095539
2.466869	0.818301	3.280601	1.367854	0.498396	0.621675	2.915897	1.935749	1.93411
1.392491	2.092873	1.207715	1.027737	1.064045	1.681739	1.368576	1.678828	1.948072
2.11206	1.334925	0.852673	1.609724	0.935054	1.238615	2.127244	2.036843	2.112838
0.561529	2.929204	1.179571	1.440074	2.838007	1.906747	2.699836	0.200648	4.200414
2.099821	1.939992	0.805484	1.80547	-0.58364	0.791393	2.880025	2.487014	2.592656
0.759426	2.51382	0.874249	0.373031	2.540729	2.307489	2.199216	2.871296	2.245482
0.476946	2.441651	1.338857	0.640064	1.051873	2.339752	1.782998	2.282294	2.197083
0.909944	2.307542	0.88799	0.339155	1.688471	0.779288	1.629477	2.66777	1.606937
2.241635	3.123067	1.096813	1.576147	1.69016	0.722704	2.506592	2.276074	2.055974
2.51889	0.313095	2.561917	2.362556	1.533868	0.116203	2.865081	2.149936	2.042581
2.219244	2.047216	2.113738	1.582349	0.884245	-0.10181	1.83057	1.476768	2.160239
1.17808	1.61534	2.609626	1.45527	1.514717	NA	1.049411	1.55699	1.603817
NA	1.333566	2.410269	2.046614	1.85147	0.799016	1.942206	1.746168	1.798913
2.45455	2.257153	2.909072	2.693431	1.781999	1.122037	1.48331	1.729208	1.929998
3.007481	1.380097	0.639529	1.113448	1.985853	1.544417	1.749135	2.314363	2.03738
1.302679	3.189537	1.710107	0.569377	0.366285	0.78034	1.966111	2.192166	1.252298
2.667577	1.613208	2.874459	1.600607	0.853165	1.200184	1.18968	2.429994	1.532141
2.278529	1.400571	1.710979	0.768551	0.22329	0.76563	2.795505	2.722796	1.671226
2.281448	1.243274	1.434412	1.287908	0.972374	NA	3.515452	1.76694	2.151981
2.079153	1.264961	0.760237	0.408843	1.712792	0.3892	0.410938	2.121552	1.692223
2.899654	1.189275	0.740265	0.466199	1.469651	1.195414	2.541029	2.120972	1.434026
2.316666	1.075938	1.267794	1.48621	0.998333	1.52519	1.449866	NA	NA
1.780695	2.151997	1.138761	1.069576	1.102503	1.001757	1.864943	2.417269	1.720394
1.728808	1.68898	0.285029	1.795939	1.00843	0.102033	NA	1.602525	0.993979
3.828651	1.29187	1.243571	4.048278	1.525497	1.381279	2.409556	1.925699	1.556344
2.016886	1.027814	1.747102	NA	2.014421	-0.23981	1.770056	2.183478	1.592288
2.627068	1.325842	1.513142	1.585759	1.205677	NA	2.398167	1.289766	1.598248
2.171909	0.825695	1.821409	1.232897	0.705009	1.956015	1.943374	2.421179	1.843603
0.850957	-0.13226	0.825186	1.98473	1.323765	1.732807	0.346557	0.130067	1.961889
1.662683	1.308693	1.859837	NA	1.490746	0.699565	2.276555	2.54846	2.148933
2.846342	1.172544	2.197016	1.285082	2.105813	2.205034	1.426677	2.433152	2.059249
1.912187	0.374702	2.150891	1.164211	1.362119	0.542412	2.401917	2.035461	1.751839
2.854769	1.792547	1.915153	NA	0.973467	2.637505	1.511812	1.63501	1.142976

3.373263	1.390091	0.88544	1.309331	0.32241	0.777894	2.972835	1.439859	1.612745
1.495424	2.189314	1.486081	1.248535	1.648392	NA	0.945926	1.30318	0.72468
2.298265	1.771473	1.733007	1.932163	1.154607	1.065048	3.456152	2.765524	2.69582
1.731814	1.902367	2.252241	1.460744	0.920951	0.60802	0.690302	1.977988	1.740792
2.423842	1.784373	1.362991	1.939005	0.756911	NA	2.813305	2.022689	1.360909
1.625231	1.407332	1.870701	1.952725	0.873335	1.603772	2.383439	2.196679	1.978739
1.064711	2.046762	-0.65791	1.833461	0.042509	3.316819	0.884102	0.968196	3.287009
0.926425	-1.02622	1.855139	1.004169	-1.44783	-1.28674	2.303557	1.690602	1.949758
1.662189	1.154884	2.080045	2.796554	2.486837	1.176011	1.253383	NA	1.646762
1.82993	1.026173	1.765192	0.964309	0.523683	1.14368	1.954586	2.24992	2.095807
2.280206	1.606087	2.105623	-0.32211	0.894499	1.753669	2.691626	3.004517	0.933032
1.505744	0.277302	0.777891	1.554595	-1.03734	0.735374	NA	0.376769	1.971931
1.895296	0.402028	1.261462	0.766454	0.881946	0.548774	1.637719	1.823264	1.648308
0.751339	2.377374	1.224279	1.052206	1.398791	2.068108	0.523574	1.136067	NA
2.399183	-1.54339	-0.01941	1.671131	1.102624	1.386805	1.267863	2.505104	1.75945
1.228191	3.101012	1.85263	NA	0.094217	0.67971	2.25557	2.765095	1.213285
2.419313	3.64715	1.728767	2.681188	2.21419	2.56183	3.025006	1.362451	2.088127
1.902199	1.727124	1.561637	1.402277	0.996622	2.064293	1.939584	1.968383	1.601106
0.8097	1.158869	2.39669	1.649531	1.819898	0.085405	2.482051	2.508401	1.41616
1.682196	1.35109	2.029214	0.892991	1.851781	1.042116	1.614604	1.939499	1.149843
1.602081	0.462211	1.114344	1.945745	-0.41297	1.361294	1.929935	2.007467	NA
0.227795	2.381627	0.37528	1.019163	1.606976	2.1395	0.603871	1.415163	1.583701
1.923139	1.302581	2.115473	2.3005	1.220871	1.287926	2.235321	2.28532	1.524324
1.757626	0.568771	2.795663	1.351827	0.937901	0.690883	2.441435	1.747343	1.510265
1.807266	1.026771	2.831277	0.906123	1.094528	0.991331	2.179851	1.597226	1.759951
1.527771	1.354623	2.249989	1.545423	1.660663	0.4844	2.957539	1.326641	1.404888
1.888918	2.516128	0.469617	-0.20617	1.160634	1.911723	2.810142	2.320576	2.689646
1.671211	1.132527	0.625204	0.586683	0.890177	0.032138	1.956072	2.577542	2.081226
1.793331	2.092642	1.069728	1.259251	1.620488	1.472413	2.328978	0.77601	0.971674
2.903441	2.444812	1.828901	0.63727	0.504287	1.878164	0.156431	1.131135	0.715017
2.179425	0.325402	0.984858	1.410427	1.305441	0.284112	2.004359	2.907294	1.52889
1.59488	0.930048	1.875355	1.334117	0.641626	0.545031	2.424288	2.021707	1.671099
1.198032	1.90608	1.686304	1.237572	1.855928	2.15918	0.60619	1.712503	1.2617
1.533426	2.622263	1.924396	-0.23602	0.260012	2.408251	1.809229	1.722718	1.47217
NA	2.036421	1.612062	0.740574	NA	1.534749	1.279869	NA	1.009603
2.773981	1.779964	3.588273	1.394755	NA	0.087411	1.643108	1.965829	0.240123
2.08685	1.362827	1.895238	1.44493	0.455212	2.139169	2.100906	2.172901	NA
2.307215	1.474922	2.517191	1.85246	1.358226	0.306591	1.574034	1.56569	1.574771
1.951082	0.497829	0.971078	1.828123	0.812546	1.678687	1.083058	NA	0.983853
2.51495	1.397828	1.239504	1.18322	1.789215	1.171982	2.227774	1.591247	1.386056
1.80481	1.565561	1.314111	2.057799	1.64072	0.068475	2.084654	1.013398	1.143393
2.127867	1.996167	3.092252	1.599458	2.027328	2.041412	1.59771	2.122421	1.321957
1.466732	2.018861	1.184992	1.201202	-0.30732	1.074954	2.100056	2.963449	2.08874
2.10201	1.488234	2.980016	1.463637	0.493673	1.150578	2.071405	1.802123	1.840659
3.325886	1.612413	1.339579	NA	1.477014	0.798438	0.187885	1.284683	1.765822
2.291761	1.287092	1.7729	0.334766	0.270542	1.223853	2.198112	3.264316	2.146783
0.57014	-0.42211	0.998966	0.764985	-0.03524	NA	0.60916	2.1152	0.413852
1.596245	3.248832	2.350198	2.355574	2.130024	1.263582	3.503412	2.178973	1.765575
2.177745	1.75071	1.984244	1.900245	1.934641	0.755848	1.14289	1.737262	1.468349
2.374586	2.383841	1.735063	1.326077	1.17992	1.237669	2.305984	2.796987	1.123168
1.291754	2.858671	1.017312	-0.09755	-0.2017	1.216634	2.058977	1.910352	1.730032
2.508368	1.499553	1.854746	NA	0.854331	1.0181	2.275198	1.827513	1.364594
1.223767	2.222095	1.722669	0.598988	0.666661	1.470093	1.230695	2.338694	2.527695
1.757085	-2.54284	2.216387	2.397238	0.191538	0.609462	2.210944	1.625377	1.350435
2.993867	1.316185	2.211039	1.956399	1.688449	0.144856	2.055973	1.245804	1.633017
2.435898	0.535995	1.504735	0.254061	-0.39003	1.17739	2.354491	2.932003	2.416308
2.578658	1.830405	3.214879	1.505769	2.229553	0.952241	1.550447	2.75804	1.333526
0.972657	1.748155	0.368371	0.73095	-0.36444	-0.1085	2.154668	0.263905	1.42783

2.471029	1.052641	2.263141	NA	1.88496	0.218926	1.095924	2.12909	1.662825
1.94161	0.405812	1.091445	2.382869	0.879531	4.068341	2.111734	2.466942	2.44094
2.766672	-0.87027	2.588633	1.897494	0.950613	0.765368	1.306015	1.693676	2.311962
-0.85201	2.60218	2.446352	0.101303	2.896214	NA	0.341437	1.885037	2.861542
-0.7608	2.153176	2.877827	0.294775	2.871103	1.108338	1.064619	1.290994	2.780959
1.578342	1.799419	1.629515	0.863733	-0.74113	2.296467	2.278568	1.239538	1.639675
1.979906	0.729679	2.857237	1.893139	0.648097	1.511543	1.715417	1.889061	1.63669
1.063016	0.245748	1.676889	-0.92785	-0.96548	2.470683	1.740098	2.011827	2.195656
1.872436	NA	0.230136	1.595153	1.890981	2.85969	1.793748	1.498357	1.14297
1.9498	2.159633	1.473789	2.244099	1.240653	1.90507	1.033716	1.762943	1.141138
0.916369	1.580487	0.275696	0.910243	2.181129	2.117063	1.336577	1.457373	2.344217
-0.66702	3.010112	2.429184	-0.02034	1.300808	-0.38755	2.389311	2.064644	1.027369
1.132599	1.380422	1.549676	1.579639	2.417189	0.433859	1.988008	1.367529	1.588557
0.990158	2.334527	1.631335	0.598249	0.061263	2.801534	1.694861	1.594305	1.790977
2.051825	1.322025	1.796182	1.410606	1.241117	0.515355	2.197161	2.567618	1.964081
1.767118	0.443856	1.143377	1.206061	-0.23565	0.761298	1.629091	2.243654	1.602961
0.213182	3.245166	0.814318	NA	1.312191	-0.47288	0.436379	1.087472	0.017104
3.244647	1.176116	-0.92228	NA	NA	0.794546	1.460578	0.643374	1.9367
2.132899	-0.09135	1.811594	2.047872	1.433282	NA	2.011978	1.099467	1.715887
1.752857	1.497023	1.346694	2.150725	1.160332	NA	1.361807	1.658914	1.641329
1.525818	1.738085	2.210707	1.410579	1.291841	0.724487	NA	2.140158	2.056257
1.662424	1.199987	2.213409	1.62422	0.858506	0.73387	2.13885	2.591645	2.00016
1.634464	1.744158	2.243512	1.45688	1.597877	0.76986	1.914741	0.89311	1.274173
2.188071	-0.37761	1.95952	2.514851	0.946349	0.649579	1.53394	1.06263	1.425013
0.411049	2.454527	0.826272	0.221538	2.857669	0.741638	3.292109	2.271862	2.433783
NA	0.608438	2.151884	1.433839	1.112633	0.394112	3.211533	2.570424	2.163219
NA	2.395255	1.466421	0.518545	1.888382	2.576375	2.497097	1.152332	0.989322
1.636163	1.687964	1.478765	1.013142	1.065256	1.664168	1.830171	1.962281	1.499829
1.950475	1.164979	1.218828	1.731493	1.868671	0.259058	1.520686	1.822625	1.340002
2.708507	-0.08884	0.121928	2.255847	0.71065	1.137348	4.384555	2.506962	2.771504
0.48272	2.201526	1.337805	0.945862	1.222715	1.099709	2.750266	2.415624	2.339555
1.253021	1.495226	0.917147	0.875391	1.392727	1.761656	2.475551	1.454087	1.842663
0.824646	1.751856	2.03206	0.814669	0.452702	2.406398	2.715551	2.468795	1.730855
0.628461	1.98934	0.43631	0.379613	1.250334	1.485691	2.173886	0.312658	0.841727
2.329333	0.436449	2.300574	0.727753	0.4982	1.837867	2.244998	1.172979	2.036182
0.775821	1.266584	0.078226	0.162239	0.366964	1.370938	1.187685	NA	1.987275
2.216214	1.696148	1.710122	2.154586	0.874688	1.288062	1.089864	NA	1.087028
2.916327	2.841865	0.319702	0.924897	-0.24819	3.007122	1.685021	2.013952	1.645412
1.366898	1.876479	0.07987	1.538433	1.790127	1.369693	0.956353	1.038136	0.871579
2.255864	2.111218	1.64996	1.675975	1.146525	1.998386	1.298556	NA	1.241532
1.470623	0.786651	1.494206	1.025447	0.441899	1.620154	3.217347	NA	2.345179
2.059372	0.122274	2.117846	1.264024	0.437178	1.681697	2.481442	2.699134	2.470758
2.405682	0.903949	1.462252	2.168499	2.132186	1.670337	1.015812	0.886646	1.1357
1.789662	NA	1.491245	1.472781	0.839884	1.057596	1.280843	1.613156	1.83872
2.006267	1.191189	1.374431	2.663163	0.746376	2.174935	NA	1.722486	2.032466
2.004907	0.797609	1.770262	1.736356	2.034428	-0.13626	1.653403	2.034242	2.159158
0.440703	0.896369	1.392897	1.37961	1.241136	NA	4.036036	1.659661	2.111904
1.825984	1.99182	1.077572	0.867307	0.801163	0.624826	2.238836	NA	1.809637
2.277976	1.28538	2.431937	1.277006	1.700883	1.187919	1.103831	1.684726	NA
2.015038	2.024579	0.532151	NA	0.636931	1.689705	1.359142	2.332315	1.819436
1.678776	1.913349	1.308893	0.937409	0.897119	2.107387	1.092504	0.101201	1.945271
0.539279	1.868355	1.060208	0.058605	3.832693	1.542866	1.247505	0.827787	NA
1.646368	1.711842	1.264661	1.756967	1.909912	0.494382	1.151896	1.36824	1.510371
2.642311	0.969256	3.128535	1.321484	1.593444	0.71586	3.141708	2.078096	2.236015
1.666903	2.229845	2.50358	1.665474	1.343229	2.10932	1.503329	1.891435	1.385954
2.205708	1.960597	1.470228	1.5795	1.426419	NA	2.433897	2.347268	1.847596
2.591426	1.198759	1.563223	2.589925	2.63572	1.399434	2.493537	1.924264	1.803086
1.67163	2.089106	2.252674	1.521573	1.249267	1.114208	1.913437	1.596996	NA

0.712025	0.635812	1.23489	0.249216	-0.89768	0.475701	3.053601	2.365779	3.016691
3.427997	2.693481	2.615136	2.322934	2.097923	0.614058	2.20471	1.776874	-0.06257
1.590996	1.965773	1.693517	1.42065	0.75194	0.699871	1.61055	1.065511	1.215341
2.293387	1.688337	2.480508	1.937551	0.886183	1.504907	2.567358	1.571946	1.883393
1.507239	0.838815	0.984404	1.36437	0.60618	NA	1.778345	1.842774	1.694954
0.954703	1.548007	0.621615	0.801464	1.269173	0.774251	1.804144	1.483235	1.37913
2.119327	1.123961	1.744307	2.559679	-0.48569	2.271724	2.174087	1.06926	2.261217
1.847823	1.901456	2.596306	NA	0.969221	1.731567	3.010033	NA	1.480318
2.154689	1.90951	2.007009	1.9496	1.617898	1.018084	NA	1.666127	1.601782
2.136488	0.101805	0.439034	1.01862	0.887274	1.644972	1.393154	-0.06523	1.241727
3.124606	1.21035	0.671299	NA	0.495438	0.550021	1.116191	1.61993	1.493703
1.767735	0.999507	1.632531	NA	1.564526	0.665832	1.748591	2.223363	1.649042
2.461887	0.400003	1.215944	1.212078	1.235956	1.364753	1.423963	1.713139	1.634278
2.229151	1.973098	1.475701	2.239074	1.661073	1.58602	0.295307	1.22316	1.294672
-0.18748	1.193884	1.041693	1.730353	0.152963	NA	2.401879	1.226419	1.794143
1.71753	1.518148	1.496451	1.808426	0.813592	0.243061	2.64631	1.075759	1.826152
1.594541	2.252436	1.586274	1.094299	1.131084	NA	2.059089	2.032455	0.848661
2.646259	1.666546	2.610894	0.303805	1.171469	1.62985	2.011241	3.245787	2.333753
1.934141	1.45842	1.569857	1.46782	0.918705	1.574321	1.131652	1.354542	1.109995
0.043134	2.161549	2.897662	1.19642	1.87061	1.183276	1.977201	NA	2.539438
NA	0.885212	1.592328	1.208311	NA	1.363603	3.07243	NA	1.836451
0.320547	0.86699	0.627793	NA	-0.08382	1.278454	2.095483	1.050391	1.816328
1.934928	1.224011	1.331809	1.57215	1.632843	0.048481	2.667417	1.876262	1.882518
1.216571	0.793069	0.360377	1.912839	0.391199	1.775453	3.280204	1.472393	2.531807
0.584959	2.157657	1.086401	1.210651	-0.66376	0.204846	3.655836	1.176094	2.996185
3.044481	-0.52145	0.965694	0.415085	1.638975	0.861394	3.761227	0.361084	2.192416
1.381775	1.439059	2.056018	1.401179	1.455261	0.216307	2.080689	1.211885	1.380074
0.265152	1.201951	0.822052	0.988855	0.811786	1.184693	1.014791	1.703056	1.661511
2.226731	2.805321	0.488025	1.472088	-1.07094	2.374461	1.179368	2.387073	1.608093
1.554668	1.302557	0.665743	0.393949	0.371588	1.63908	2.469004	1.337419	1.911635
2.139203	0.855144	1.364772	1.66086	-0.36071	NA	2.357273	2.177346	1.483208
1.881238	1.806195	1.241336	0.747671	0.951866	1.656626	1.580316	2.071479	1.543797
0.913756	1.709822	1.162282	2.036957	-0.20496	0.708632	0.550988	0.729842	1.388472
1.163722	0.400086	1.32479	-0.21715	-1.5001	0.863391	2.740784	2.900288	1.700696
1.825622	1.592923	1.151575	-0.27894	2.281877	0.549632	1.283028	1.287878	1.510309
1.117702	3.259723	0.395195	-0.19999	1.488066	1.289088	2.725348	0.231007	1.684474
0.85087	1.788781	0.716097	1.271357	0.605814	2.052726	NA	1.971159	3.17007
0.935299	1.882499	1.067291	1.287324	1.427189	1.001575	1.453381	1.414194	1.3999
1.783665	1.025742	1.581061	1.602398	1.382388	NA	1.679339	1.535079	1.405952
1.398377	0.912314	1.508654	1.060527	1.853714	0.63145	2.138713	2.60119	1.992331
1.507179	1.537168	0.956799	0.662712	-1.04342	2.090468	2.742033	3.149359	1.73803
1.031848	1.477757	1.129826	1.478266	0.886508	1.738909	2.304077	1.519795	1.857527
0.631741	2.300388	0.928506	0.342414	1.33791	1.614087	1.578956	2.65666	1.599624
1.867779	NA	2.22587	1.770567	1.753663	1.185663	1.22772	1.764031	NA
0.940905	1.302533	2.942839	NA	1.318093	1.150091	0.562156	2.85162	3.135966
2.123937	0.531681	1.405578	1.334364	0.808819	0.736647	1.060749	1.318331	1.58463
-0.67789	1.199	0.233493	1.031976	0.947976	0.741217	1.648715	2.231857	2.780058
2.421745	1.950118	1.886228	1.557635	-0.13005	0.049688	2.01332	2.892052	2.27246
2.437505	1.034717	1.19704	1.298277	0.331055	1.39129	2.281977	1.810457	NA
1.764988	1.644136	1.438896	1.411167	NA	1.489586	1.380817	NA	2.197147
0.947941	0.013884	0.489226	1.525896	0.193712	0.698654	0.982959	1.127657	1.472428
1.9508	2.272632	1.705486	1.324034	2.228254	0.840579	0.918673	1.724916	1.661965
1.43289	-0.27857	0.341305	1.582783	-0.75427	0.671372	1.241647	0.122864	1.879022
1.106243	1.672873	2.418241	0.762366	1.680638	0.604716	1.337441	1.685824	1.244088
0.916071	1.394233	2.569333	0.254851	1.451236	1.933054	1.809665	2.342844	0.405737
1.355422	2.781711	2.095331	1.052873	1.830608	2.522446	0.051083	1.716226	1.889423
1.390177	0.932919	0.864344	1.616751	-1.95286	0.837557	1.8522	1.943663	0.998732
1.725648	-1.19164	1.123178	1.683657	-2.02681	1.170849	1.670809	1.223666	1.300469

1.610239	2.69042	1.416577	1.270179	1.246196	-0.18348	1.655889	1.840643	1.867514
1.330214	1.922182	0.420844	0.597611	0.559569	0.08296	3.148704	0.17738	2.294826
0.772948	1.989887	0.9425	1.280617	0.500681	3.516076	0.402781	0.126978	1.429594
1.340636	0.534262	1.874307	0.827292	0.344055	1.61549	2.141319	2.346032	1.868924
1.751341	0.043653	0.946518	1.103765	0.477006	0.667378	3.049874	2.078866	2.114297
2.105323	0.594111	1.982089	1.443515	1.190753	0.117549	1.232458	1.901126	1.410385
2.462638	1.275175	1.126906	1.437871	1.165196	0.324363	1.132391	1.408844	1.072484
2.24937	1.248309	2.407295	1.534567	1.043113	0.801653	1.112333	0.299189	0.861267
1.489952	1.004577	0.877973	1.103649	0.782048	0.7557	2.12883	2.285337	2.189405
1.09461	2.559892	0.715864	1.209397	1.988345	1.647775	0.802616	0.758788	1.301277
2.072615	1.773308	1.530618	1.599465	1.058353	2.483274	1.648678	NA	1.005585
1.501904	1.0249	1.492087	1.258419	0.946105	0.097777	NA	1.099611	1.469027
1.041853	-0.5795	-0.55711	1.463759	-0.3399	NA	0.428964	2.112541	1.14709
1.542917	0.505569	1.214012	1.184587	0.297842	1.311863	3.495542	2.1778	2.041624
0.72329	2.787699	0.532064	-0.136	1.075209	1.464124	1.670734	1.778934	0.711166
1.290128	1.303277	1.834375	1.789497	0.600766	1.401403	1.323679	1.117214	NA
0.631577	1.514405	1.025413	0.453173	1.000602	2.144087	1.530356	1.899434	2.347346
0.930266	2.252809	0.722188	1.480988	1.838592	1.768762	0.02583	1.718918	2.428738
1.544783	1.081776	2.038874	1.499268	0.158435	0.333528	0.881217	1.398517	1.057026
0.470785	2.080037	1.360823	0.877607	0.067636	1.195383	1.70649	2.366603	1.72707
2.213003	NA	1.20589	1.504305	1.610577	1.618975	1.942832	1.992927	1.475468
1.535812	-0.15568	0.960959	0.909655	0.719714	NA	1.793653	1.757648	1.722202
1.431979	1.913427	1.330374	1.042466	1.026325	1.392689	1.536106	1.7564	1.44872
2.184533	1.454646	1.469711	2.028662	0.323306	0.815335	1.807045	1.752144	1.869582
2.513658	1.908586	2.335087	0.520403	0.362904	1.240923	1.50013	-0.56016	1.346316
1.69004	1.748233	1.689701	1.210521	1.607136	2.024572	1.051978	1.543982	1.361599
2.453164	0.854015	2.62343	NA	0.397183	1.940955	2.228995	1.412754	1.434955
2.539979	2.566446	0.946751	0.012912	0.037876	0.935343	3.513706	1.536275	2.04869
2.048223	0.372437	3.275044	1.294088	0.501023	1.367162	1.81021	2.020345	1.618825
1.577899	0.946558	1.897772	1.385185	1.261156	0.818304	1.996338	2.001061	2.332813
2.619101	1.336359	2.372184	1.794245	1.097852	0.723277	1.91003	NA	0.675768
1.151926	1.297601	0.486359	2.3072	0.039335	0.099058	2.539189	0.91207	2.310009
NA	0.817794	1.081989	1.001889	0.612057	0.8451	2.060168	NA	1.921426
1.106782	0.349356	1.738497	1.445123	0.83215	NA	2.629344	2.382352	1.83943
0.30981	2.001723	0.438797	NA	-0.20107	1.053211	1.981949	2.376455	1.646877
3.336176	0.791554	0.491716	1.21369	-0.09869	2.418939	1.838418	NA	0.940713
1.537229	1.77824	1.05723	NA	0.842801	0.867578	1.015199	NA	2.423437
0.920245	1.396761	0.771763	1.006306	1.313013	1.17805	1.173426	1.214154	0.976637
1.634106	0.220634	1.518635	1.380454	1.554214	0.320448	2.502692	2.533594	1.650908
1.824553	2.175297	2.154035	0.654756	1.310393	1.742543	1.726103	1.725009	0.671277
1.258732	1.863851	1.699712	1.746367	1.712679	1.857588	1.433868	1.747399	1.679798
2.535369	0.957141	2.764071	0.255801	0.873584	0.257967	1.601552	1.740163	1.535432
2.694486	0.812736	1.671577	2.632213	1.441501	0.628408	2.444843	1.593979	1.540436
2.428784	0.821607	0.51579	2.209724	3.159178	1.447101	2.160857	1.093055	0.577746
2.303615	1.509125	1.364403	1.284843	1.35619	1.607485	1.729465	2.109263	1.817219
0.276429	0.895776	0.946156	1.668942	-0.31857	1.124885	1.838659	2.069076	2.050724
1.744789	1.508994	2.729151	0.889741	1.175937	2.49871	1.162139	0.583056	0.876515
2.484898	0.563937	1.908773	2.042463	2.030808	0.081887	1.644297	2.830024	1.540066
1.29815	1.55539	1.248487	1.007162	1.682819	1.051749	1.755223	1.193756	1.660472
1.335638	1.955837	1.871858	1.286866	1.088884	1.012999	0.969603	1.245404	1.154609
1.380505	1.216651	1.158372	1.037767	1.169543	1.304027	2.139116	1.836195	1.387905
1.331605	0.760923	1.362862	1.490938	0.750486	1.402132	1.913185	1.583999	1.463288
2.168143	0.838063	1.788438	0.727323	0.890978	1.073784	1.127664	1.610929	1.781812
1.706026	1.868901	1.323958	1.119548	0.594431	2.833532	1.569042	1.422074	1.360009
1.462985	1.666616	1.783574	1.465404	1.0706	1.904462	1.594721	1.963362	1.183035
1.544242	-0.06465	1.542944	1.234001	0.229696	0.48479	1.711855	1.60583	1.914257
1.137881	2.563129	0.076184	-0.67199	0.863382	1.722392	2.288388	2.069592	1.695077
1.394785	0.236723	0.397667	0.970961	0.789947	0.90205	2.153597	1.768193	1.744802

0.801054	1.856935	0.091072	0.792963	1.033039	2.354848	0.644345	0.983017	2.010101
-0.36918	0.313912	0.846751	0.774658	-0.36759	1.099564	2.785649	2.552326	1.389402
1.400984	0.9663	1.433515	1.440925	1.157533	0.397839	1.31941	1.319528	1.544125
2.973853	2.108946	2.115059	2.497655	2.042795	0.28537	1.353284	2.117337	0.96246
1.03361	0.385102	2.073806	0.067722	0.66176	1.516927	2.81312	2.865311	2.253098
1.619684	2.743331	0.805131	0.417113	1.439958	3.064178	1.620715	2.262244	0.743681
0.637247	1.342477	1.071445	1.000408	0.531385	0.675121	2.295279	1.979853	2.230505
1.53866	1.930037	1.976544	NA	1.09031	0.657785	0.923056	1.557727	1.408538
0.019544	2.428242	1.770251	0.120147	1.040999	1.937231	2.358224	2.013588	2.376613
1.581182	1.105726	2.307848	1.568731	1.35009	0.661208	1.043765	0.951041	0.705158
0.299411	1.165289	0.450985	0.291638	1.245127	1.429637	4.14754	2.097687	2.754276
1.870922	0.895086	1.570821	1.38787	0.972015	0.899612	1.760576	1.502565	1.580106
0.650534	1.572287	0.103949	1.241236	0.320417	2.218244	1.053552	NA	0.475916
0.204193	1.959583	1.084501	0.377677	0.287114	1.349385	1.245802	1.577589	1.951156
2.10358	1.566955	2.481713	1.811377	1.692583	-0.69073	1.520649	1.413758	1.681346
2.012602	0.528391	1.691452	1.417015	1.092371	1.150686	2.399756	NA	1.587216
2.301155	0.814831	1.579432	NA	1.007162	1.22661	2.59312	1.605648	1.651385
1.224452	1.472764	1.120149	0.251267	-0.51873	1.563646	3.516339	NA	2.488937
1.926075	1.314768	-0.55732	NA	0.054053	-0.33164	2.752062	1.044552	2.25031
2.084292	1.746998	0.778956	-0.28891	0.150245	1.77468	2.762952	1.715347	2.000453
1.906632	1.996001	1.090182	-0.28399	1.676716	2.632784	0.908746	1.045087	0.840296
1.400299	1.137465	1.306732	1.346284	1.210863	1.739709	1.950949	1.455643	1.462273
1.711165	1.209373	1.768645	1.091745	1.025553	1.187384	1.21535	1.114338	0.98727
2.509995	1.163718	2.16202	NA	1.375747	2.272721	1.30201	1.416057	0.877687
0.895252	0.988581	1.817358	1.229485	0.826123	0.233071	1.724259	1.92761	1.331295
1.379342	0.768452	1.001537	0.835846	0.538894	0.780473	1.842151	1.816684	1.7758
2.023536	1.35225	1.481636	1.214995	0.098544	1.38857	2.933696	1.789038	NA
0.306833	3.156918	-0.06146	0.22875	0.938239	1.725123	2.507851	1.180858	2.346136
3.092955	0.749259	1.955106	1.273563	1.615158	1.452662	2.051153	2.564835	1.609672
2.208509	0.456842	1.532368	1.369062	1.148829	0.236429	2.797156	2.454269	2.34091
1.91464	1.246309	1.976787	2.549468	1.4433	1.102101	1.760147	1.494162	1.727465
0.376767	1.277737	-0.52674	0.512608	0.138816	0.984995	2.804585	2.367165	1.890795
1.552553	2.591209	1.239278	1.75765	0.917984	0.888056	NA	1.06585	1.013937
0.605135	3.046583	1.254317	0.397443	0.066375	1.827275	2.422336	1.979058	0.964205
1.273032	0.896024	1.716977	0.808716	0.656543	0.763337	1.624439	1.136307	1.004933
1.297174	0.3505	1.122806	1.176304	0.973745	0.389459	2.047091	1.653917	1.336245
1.788966	1.47729	1.77746	1.056818	1.357416	0.971063	2.376016	1.776975	1.516219
3.63712	1.226493	2.714132	2.044742	1.225977	0.449101	1.354413	1.394219	1.29388
0.522893	2.647799	0.970152	0.791666	1.404843	0.478229	1.998547	1.612699	1.583698
1.953209	2.063931	1.302199	NA	2.702124	2.848031	0.964677	0.734632	0.78952
1.500498	1.696599	1.329754	1.047077	-0.87631	NA	1.9986	1.346288	1.589072
1.741381	0.881026	1.381576	1.279472	0.755646	NA	2.579408	2.295549	2.306265
NA	0.843049	2.104688	1.449682	1.297704	1.350107	1.672428	1.313558	1.461161
1.241457	1.62287	1.386728	0.830884	0.818816	2.647912	2.017724	1.60513	1.725056
0.821893	1.247466	1.497454	0.068318	1.700046	2.113901	2.159943	2.020924	1.95615
1.240205	1.133861	0.621001	0.347519	1.46956	0.728129	1.135813	0.27086	3.362659
1.868562	1.856481	1.945235	NA	1.501565	0.765827	2.368318	2.545103	1.670467
NA	1.29571	1.676783	0.978625	1.287533	-0.22581	2.063466	NA	1.781171
1.853193	1.751327	1.441665	1.377524	1.472937	1.041021	1.034206	1.639871	1.827811
1.554	1.940576	1.793436	0.776919	0.132023	2.352642	1.57781	2.091496	1.922038
1.954622	0.760627	1.103062	2.021364	1.801222	0.977451	2.102259	1.630127	1.506132
1.893068	-0.01778	1.438687	1.217725	0.627377	0.988511	2.003643	2.133248	1.836443
3.32718	1.288124	1.794107	1.35034	1.359866	0.875873	1.732592	0.72133	1.198941
1.401868	0.914658	1.193157	1.470877	1.707555	0.471631	1.493117	1.184509	1.277686
1.817228	0.424252	1.497755	0.875706	-0.02323	1.692436	1.890312	2.194198	1.397452
0.488489	-0.04273	0.846295	2.372005	0.786497	0.161267	1.987481	2.2856	2.234783
1.69313	0.155221	1.115503	2.784678	1.716973	1.732606	1.762813	1.502201	1.653346
1.574141	1.187199	1.217379	1.882555	0.339316	1.520698	1.454269	0.9396	NA

1.411776	0.949078	1.833113	1.054687	-0.09119	0.58768	1.897996	1.979091	1.636522
2.2505	1.498407	1.885329	1.215738	1.813444	0.538429	0.853035	0.349581	1.086415
1.473024	1.103898	0.86432	1.418005	0.51411	0.527209	3.185987	1.933385	2.046986
2.11399	1.22435	2.058919	1.332976	0.463241	1.060159	1.547241	1.93886	NA
1.913308	1.155406	1.67222	1.265225	0.266084	1.887111	1.304021	1.630571	1.404402
1.874639	1.062417	2.147827	1.364964	1.378452	1.145409	2.188741	2.086534	1.897895
2.334761	0.716043	1.120725	1.625191	1.154999	1.013436	2.478558	0.86618	1.44899
0.720441	1.518049	1.70737	1.642188	0.926869	0.872949	1.561399	1.607524	2.204416
1.820856	0.600288	1.141555	1.622142	-1.02443	0.665894	0.900548	2.466669	2.465686
0.654345	0.646144	0.718306	1.410821	0.760136	0.882228	1.66058	2.119841	1.290743
1.475661	2.180331	0.921274	0.703495	1.556028	0.959416	1.74826	1.335599	2.137517
0.722275	0.797076	0.018463	1.482838	0.035939	1.187169	1.837041	-0.04042	1.398162
1.21143	-0.11603	1.785993	1.243015	0.48353	-0.07453	1.314435	2.017734	1.236689
0.759293	1.85765	0.491354	0.996341	1.162289	1.682476	1.993543	NA	2.032968
0.817261	1.565276	0.972824	0.629201	0.517589	1.049379	2.321563	1.923232	1.584966
1.304879	1.523708	1.529294	1.07034	0.643429	1.661571	1.842331	NA	1.618201
2.828884	0.511117	1.808497	1.102534	1.209127	3.022249	2.087943	1.932367	1.815683
2.463696	1.0072	1.857869	0.895373	-0.86941	1.402517	2.03864	2.150785	1.640169
1.571849	1.916685	1.304064	1.947558	0.917869	1.417391	2.217115	1.175947	1.205625
2.095052	1.863859	1.719748	0.498154	-0.55032	1.120488	1.979375	1.849659	1.740837
NA	0.951094	1.500511	NA	0.914958	1.781654	1.74477	1.815738	1.618818
1.287057	1.186097	0.986489	1.271382	1.197484	1.380077	1.464807	1.379916	1.289627
1.616197	2.913752	0.382296	0.543225	1.807125	1.728804	0.949201	1.319031	0.964725
1.646158	1.990727	1.013347	NA	0.868915	0.223911	2.002919	1.72837	1.383073
1.342345	2.471306	0.51391	1.870498	0.599609	0.917909	2.197968	0.321776	1.557818
1.55163	1.976836	2.030522	1.94907	0.808279	NA	1.123882	1.548732	1.110189
NA	2.550339	0.593418	0.876626	1.190399	2.359745	1.648856	1.510123	2.058964
1.785389	1.227617	0.878151	1.195866	1.563584	1.40548	2.81086	1.37221	1.679171
1.068729	1.791654	0.890794	0.606837	0.275544	0.751645	1.160294	0.80134	1.674035
0.744445	-0.57013	0.708387	0.652112	-0.49909	NA	1.284894	1.159688	1.937506
1.272592	1.46731	2.03365	1.434247	0.568663	0.7197	1.651336	1.555915	1.528453
1.409528	1.549126	2.560539	0.98621	1.745922	0.065143	1.806771	2.100966	2.596186
1.61525	0.581296	1.029953	0.57358	0.786696	1.106168	1.100642	1.591191	1.372059
2.606572	0.906175	1.088258	1.515663	1.696604	0.206767	2.005629	NA	1.583019
1.657238	0.872924	-0.2916	NA	0.995904	0.77357	1.546857	0.068835	1.832568
2.000873	0.278452	1.03074	1.24696	0.94553	0.563654	2.256713	1.437912	1.6547
0.45711	3.100398	-0.24192	0.678857	0.34056	2.923254	0.940037	1.702387	2.106984
1.576928	0.866772	1.595093	1.041851	1.040889	0.344625	1.766164	1.090606	1.386949
1.403667	1.617304	1.301189	1.460958	1.012988	0.881651	0.97521	1.416092	0.679459
1.791909	0.160168	0.478643	2.008596	1.319268	2.273037	2.186499	1.611472	1.352707
2.330678	1.733736	1.761671	0.927162	1.071042	0.207136	3.280072	0.795182	2.223486
0.943288	0.975365	1.367524	1.537204	0.684355	1.78138	1.482594	1.511683	1.144541
-0.11477	1.72705	0.133668	0.886032	1.29188	2.314836	2.602567	1.016839	1.61615
0.015105	0.110261	0.430475	0.817538	0.005425	1.226858	1.453513	2.118458	1.013683
2.743326	1.540462	1.15805	1.490499	0.485624	1.442852	1.291321	1.530967	1.464814
0.863893	0.816083	1.488681	0.874817	1.536105	2.010093	3.562521	1.603472	1.843264
2.246767	1.532482	1.371071	1.890744	1.607424	NA	1.46512	2.20004	1.383995
1.68515	2.475015	1.89535	1.126139	1.10105	1.501598	1.406964	NA	1.017027
1.558441	1.59477	1.585897	1.344394	1.566844	1.801657	1.810863	1.19076	1.058924
1.17424	0.442142	1.430283	1.370948	1.156374	2.291988	2.179689	1.46259	2.093497
1.305498	1.225528	0.894639	1.26612	0.863868	1.689522	1.915752	0.674176	0.973261
2.019109	1.236262	1.695714	1.147693	1.242777	0.660781	2.602222	1.406462	1.60002
1.590144	0.425041	2.064434	NA	0.397831	1.168995	1.605997	1.09725	1.32323
0.788012	2.995399	1.732404	1.210241	0.481526	2.84187	0.496365	0.889803	1.564048
2.571231	0.044986	1.91127	1.465253	0.903537	0.185972	2.344999	2.164528	1.772974
0.961932	0.833685	1.066894	0.943764	0.252105	0.400346	1.417405	1.098025	2.117692
1.52043	0.960695	1.705955	2.836052	2.040012	1.54132	0.745743	1.2292	1.06546
0.644136	0.636887	1.472106	0.862417	0.177141	1.320616	1.738512	2.240183	2.279679

1.714335	2.690965	1.804557	0.489702	0.266201	1.921645	1.79959	1.739574	1.182995
2.447106	1.062741	1.398487	1.253178	1.005154	1.144124	1.31777	1.82368	NA
1.768454	0.730184	1.371996	1.894427	0.181174	0.843356	1.410898	1.575536	1.81447
2.412627	1.985133	1.54967	1.063279	0.679127	0.866605	1.689515	1.642525	1.814481
3.321933	1.520521	1.758628	1.589767	1.443601	1.594148	1.613603	1.42046	NA
3.005972	2.009854	1.687076	0.741464	0.84693	0.857099	2.114628	2.606798	1.377164
1.185516	0.815524	2.719021	NA	1.262723	0.062461	0.674336	2.383426	2.312322
1.85172	1.148411	1.406322	0.648969	-0.13561	0.251956	2.040408	2.242726	1.622396
0.597178	1.85539	0.917684	1.147673	0.599512	1.287358	1.566397	1.279286	1.082757
1.528208	0.571373	2.233172	0.840458	0.228145	0.5213	1.677709	2.519763	1.863685
1.411784	1.70256	0.592802	1.316662	1.426711	2.196028	0.635702	0.951729	0.823154
1.376508	2.625432	1.212967	-0.01471	-0.61048	0.925758	1.23341	0.627663	1.250612
0.805771	1.686274	0.972993	-0.23798	-0.55029	0.146191	1.383739	0.800867	1.382432
1.280757	1.650973	0.688458	1.638236	-0.62296	NA	2.256306	1.9583	1.638047
1.930441	1.062957	2.406721	1.619001	1.197097	1.632586	1.264573	1.442726	1.161446
2.748009	0.991575	1.142639	1.699475	0.506868	1.269852	1.465722	1.661033	1.868688
1.783674	0.534763	1.681278	1.256357	0.864817	0.463017	1.610869	1.877079	1.76796
1.00688	1.448565	1.318338	1.565267	2.042164	2.30528	1.30996	1.328776	NA
0.008331	1.310822	-0.02486	0.914448	0.285853	1.965864	1.844463	0.779156	NA
0.927419	1.03991	1.135365	1.010022	0.74608	NA	1.991589	1.581445	1.423357
1.155573	1.951208	1.53987	0.470129	-0.07458	2.684514	0.602472	2.08009	1.221041
0.957842	1.694736	1.796177	0.839416	0.352792	1.353789	1.779848	1.230269	1.918236
1.589363	1.627655	2.029287	1.232402	1.593915	1.411145	1.335314	1.424907	2.228562
2.685914	1.173277	2.146657	NA	1.310258	0.437157	1.337142	2.638406	NA
1.868734	1.632717	2.46413	1.587232	1.696277	NA	0.747457	1.270415	1.576935
0.582269	1.2273	1.672112	0.777752	-0.02049	0.006924	2.473725	2.096664	2.12344
2.620795	0.622492	0.640415	1.168691	0.712351	NA	2.044139	2.139362	1.857086
1.813852	1.900711	1.90472	2.103407	0.967109	1.329767	3.030423	1.766804	2.071608
1.238124	1.28864	1.817432	NA	1.492434	0.111701	1.764303	0.835112	1.270577
0.642979	2.407208	1.307321	0.970596	0.677266	2.533478	1.346391	1.431634	1.130989
1.552465	NA	2.637942	0.935928	0.634815	1.493121	2.160458	1.326748	1.664943
2.065359	0.969189	1.563086	1.166871	1.040652	0.872096	1.822534	1.55939	0.770194
1.977021	1.789363	2.994646	0.838328	-0.02811	1.909501	1.547073	1.155196	1.37159
1.961892	1.554423	1.259159	1.207201	1.361923	0.691279	0.961313	NA	1.091411
1.222069	0.356718	1.388942	1.304531	1.988388	1.151852	3.921629	0.158493	1.629654
1.549041	1.744541	2.746446	1.031137	1.262838	1.323535	1.920311	1.752905	1.863476
2.878314	0.934399	1.982165	1.291506	1.507547	-0.0244	1.94295	1.209457	1.329265
1.370395	-0.27198	1.888915	1.178974	0.826591	0.52879	2.635525	1.634128	1.747466
2.205803	1.567053	1.720709	NA	1.08796	0.768744	1.197627	0.540658	1.27603
0.308248	0.228704	0.989024	2.37779	0.746238	NA	0.879567	0.439658	0.953361
1.144167	0.977773	1.007645	1.310931	0.133826	1.765688	1.460775	1.195658	1.220176
1.781103	1.317973	2.265151	1.671896	1.343881	0.761119	0.890189	1.12504	0.897677
0.706989	1.944452	0.947812	0.69194	1.101654	2.08465	1.140605	1.386724	NA
1.960725	1.310791	1.355054	1.602232	-0.0158	0.79761	1.192622	1.798382	1.161705
2.169489	1.807136	1.639378	1.538315	0.813239	0.559346	2.071896	0.950239	0.964738
2.249493	1.52723	2.775667	1.302566	1.015215	1.866783	1.584309	1.645347	1.167234
2.165821	0.477504	2.029371	1.250315	0.894463	1.119514	2.236034	2.169228	1.697596
3.385826	1.377558	1.385972	0.396347	1.087839	1.966687	1.12038	0.634456	1.376002
0.621449	1.436284	1.171276	1.488848	1.241983	0.83722	1.869915	1.032401	1.424796
1.354443	0.691975	2.376779	1.2464	0.897605	0.397995	2.222745	1.654229	1.917342
1.215646	1.638589	2.114451	1.810586	0.851035	0.613756	0.641497	1.252021	0.971724
1.409297	1.527868	1.452537	1.215736	0.479734	NA	1.537807	0.59625	1.182108
0.796943	1.66923	0.912211	0.487455	0.910064	0.730025	1.382107	1.064409	1.423357
0.587966	3.057552	1.01918	0.312979	1.188971	0.276398	0.417666	0.250806	2.634553
0.880346	1.75492	1.101155	0.242168	1.011777	-0.01028	1.850046	0.656804	0.978781
1.27538	1.303651	1.373832	0.768977	-0.19929	0.180066	1.67195	1.491715	1.434869
0.574582	1.956908	0.244556	2.13582	1.708663	2.502177	0.089828	0.937911	0.965197
1.753715	2.803794	0.469721	2.511912	-0.21749	2.06827	2.526581	1.336253	1.088845

NA	2.442908	1.359787	1.735994	0.96238	1.904255	NA	1.208879	0.965518
1.655457	1.488789	1.53914	1.657082	0.734638	1.162878	1.038538	0.599329	0.722438
1.2833	1.292427	0.962416	1.384456	1.275576	2.441251	1.104436	0.978502	0.319139
0.990827	0.692369	1.904202	1.147006	1.625509	0.91508	1.685814	2.419391	1.40187
0.31295	2.690227	0.355733	0.481285	1.937039	NA	0.515438	0.835818	0.328429
1.983542	1.36943	1.245922	0.798262	0.393567	1.134767	2.315126	1.602702	1.75331
1.863334	1.123204	1.871417	1.257208	1.009769	NA	1.866457	1.485393	1.546413
1.194252	1.933461	0.497056	0.384459	0.710908	1.971219	1.67047	1.959149	2.209826
1.359297	2.024475	1.259481	1.073182	0.855912	NA	1.384705	1.581366	1.646026
3.122567	1.212553	2.784739	1.793102	0.931672	1.654836	1.445585	1.429569	1.473981
1.387369	0.757743	1.933207	1.257512	1.528641	NA	1.311705	1.729489	1.740299
1.267417	1.37817	1.708483	1.451965	1.242838	1.507608	1.536859	1.658833	1.329613
0.952173	1.837834	0.570526	0.589182	1.202525	1.028333	1.455956	1.353968	2.244966
1.300332	0.211475	0.841044	0.76528	1.795641	0.164784	1.732573	1.557377	1.054061
1.693525	-0.22687	0.799835	1.892656	-1.64716	0.200298	1.613107	1.495269	1.842998
1.121145	1.950324	1.904288	1.124153	2.005989	0.795954	-0.24472	0.628871	0.458599
0.962088	1.405025	1.540351	1.422746	1.249752	1.212355	2.193303	1.808833	1.647611
2.065184	1.244612	1.602122	1.716643	1.013476	0.367733	1.269901	1.442719	1.502515
1.369898	2.33242	1.122482	0.387417	1.083745	-0.49675	0.801252	1.996871	1.799824
1.809075	1.662802	2.862072	1.853947	0.738073	1.965712	0.314844	1.309976	0.910588
1.377724	1.17468	1.613281	1.60938	0.745319	-0.26657	2.173167	1.119084	1.364709
0.491618	2.101229	1.238823	0.469438	0.088943	1.538822	1.59188	1.296505	1.329843
1.667599	-1.11737	2.013471	2.189268	0.110062	1.49136	0.66063	0.916307	0.288738
2.137212	1.395808	2.377924	0.831066	0.701423	NA	1.569804	2.83371	1.866215
1.050409	1.977514	1.550416	1.367371	1.366947	NA	1.638801	1.858273	1.266525
2.178897	1.016562	2.031482	1.548164	1.019219	-0.2127	2.234629	1.596441	0.664521
1.722979	1.19448	0.815517	1.579864	0.799445	1.049656	0.670944	1.003004	0.727891
1.172627	0.769748	1.516936	NA	0.333097	0.673365	1.494539	1.220276	1.247798
1.349771	2.239694	1.044728	NA	0.382186	0.422137	0.977719	-0.25869	0.864347
1.352955	0.895985	1.11044	1.38485	0.773651	1.152512	0.772012	1.034054	1.088368
1.351702	0.357706	1.003379	NA	0.805567	0.563587	2.059952	1.859989	2.123951
1.263324	2.0727	2.527156	1.717341	1.472521	1.090758	1.170682	2.526393	2.498914
1.945504	1.706266	1.882245	0.591423	1.326861	0.638431	1.088189	1.198448	1.270052
1.183026	-0.22942	1.201146	1.114513	-0.00292	NA	1.485525	1.627245	1.873985
1.010929	1.336777	0.923172	1.063081	0.350575	1.46995	1.891542	1.524886	2.19816
2.345903	0.759652	1.531335	1.500851	1.186247	1.049169	1.698605	1.285309	1.187156
0.762076	2.004857	2.87961	0.789509	1.220187	2.031623	0.861108	1.490069	1.16392
1.826892	1.368692	0.953893	1.774862	0.970862	0.291537	1.879194	1.264273	1.201925
1.054245	1.014817	0.965707	0.790776	0.358208	1.810835	1.909724	1.388914	1.563917
2.126501	1.616917	2.224185	2.050694	1.74386	0.408472	1.656909	1.147217	0.915114
1.97503	1.399514	1.312973	1.373593	0.945881	0.385445	0.660845	1.289687	1.207906
1.266822	0.730451	1.552085	1.257417	1.109531	0.818563	1.971699	1.558137	1.466341
1.940252	0.716523	1.55374	1.897249	0.807271	2.506802	1.110679	NA	0.688812
2.117379	2.44322	1.212552	2.414029	1.682149	1.815013	NA	0.933862	0.947629
2.655239	1.244091	2.114097	1.740464	2.82317	1.50682	0.74061	2.142751	1.690703
1.160328	1.308005	1.366342	NA	0.947493	0.226856	1.918612	1.444437	1.289378
1.564613	1.315759	1.530858	1.441991	0.374005	1.316192	1.528002	NA	1.414201
1.507365	1.402154	2.292901	1.029813	1.665377	1.072115	2.112978	1.337644	1.514747
-0.76504	2.408033	1.551736	1.487719	0.579016	2.993262	1.263243	1.597976	0.934841
0.885738	1.225223	1.684075	1.184749	0.923484	NA	2.408306	1.530666	1.617007
3.258689	0.697998	2.525026	-0.97067	0.889284	0.514481	2.543184	1.51311	1.278737
0.539896	0.530888	-1.26283	NA	1.001011	1.4314	2.04222	2.837213	1.75293
1.788727	1.777241	1.783337	0.607974	0.269331	0.927853	0.956623	1.215431	NA
1.392468	-0.15805	0.4126	1.24149	-0.74193	0.926484	1.097496	0.608821	2.273763
1.486617	1.804528	-0.78889	0.144172	0.241149	1.746409	0.98212	1.628566	1.22274
1.44402	1.325344	1.173245	1.142333	1.515329	1.384185	3.65602	0.70883	1.958041
1.778057	0.662951	1.344178	1.770987	1.04303	1.783164	2.197395	1.567802	1.806786
1.50865	1.164212	1.898678	NA	1.228289	0.523269	2.079936	1.324511	1.191755

1.340044	1.5096	1.061405	0.735314	0.621318	2.432205	1.34187	1.449033	1.124832
2.563013	0.861614	2.45501	1.321157	0.114752	0.401943	1.274543	2.000978	1.040654
1.266257	1.254404	1.665142	1.56598	1.782579	0.847194	1.712145	2.098905	NA
1.331316	1.673092	1.17306	1.41779	1.139193	0.812979	1.366743	1.295081	1.415153
1.375413	1.035521	0.837915	1.043491	-1.51314	1.719987	1.870397	1.953014	NA
1.750581	1.865624	1.255654	0.804153	0.818378	2.644296	1.108685	1.164531	1.109508
0.216625	2.816433	2.127568	0.826274	2.566481	1.098962	0.61565	2.080952	2.307528
1.18594	0.174984	1.388117	0.716434	NA	0.300958	1.598717	NA	2.547936
1.943977	0.625111	1.893795	1.058218	0.848692	0.699512	2.186856	2.102301	1.783675
2.06593	-0.52892	1.245603	0.617072	-0.38441	-0.66353	0.490295	2.015303	1.891085
1.185555	1.793435	1.927389	0.574996	1.531818	0.737444	1.633257	2.186435	1.371086
1.664667	1.126285	-0.98872	NA	1.153629	0.08552	1.938134	1.4442	1.21328
0.865398	2.256165	1.227326	1.271884	0.671794	2.58383	0.839606	1.115605	1.28848
1.692869	0.58754	1.6897	1.281727	0.557968	0.617479	0.499403	1.126074	1.125243
1.444155	0.810999	1.849626	1.332557	1.340587	1.257803	1.192284	1.468304	1.099671
0.327615	1.074794	1.712857	-0.21357	-0.91783	0.190244	1.284196	1.734742	1.358081
1.653993	1.475366	1.389011	1.344233	0.886146	0.75728	1.696361	1.416108	1.522672
1.585758	1.213464	1.461992	1.304869	0.813227	1.22321	1.338994	1.482283	1.507402
1.713794	0.787939	2.995657	NA	1.202832	0.963234	1.638534	NA	0.892222
1.120785	NA	0.652771	2.005906	0.916852	0.608259	2.531743	0.852755	1.209549
-0.15695	0.867322	0.254587	1.24658	0.047533	1.065609	2.320937	1.614068	1.227195
1.453326	2.386488	1.473101	NA	1.468808	1.962061	1.349061	2.237495	1.687016
1.438331	1.686894	0.952949	0.598118	1.304254	1.200031	1.147596	1.228176	1.659768
-0.01317	0.020377	0.420644	1.118158	-0.45156	1.504347	NA	1.076971	1.391728
1.001821	1.413072	0.657441	NA	0.874675	1.089147	2.402609	0.544058	1.121409
3.351592	1.407523	2.268507	1.544978	1.351269	1.750608	0.705837	0.88523	0.57546
2.598884	0.39173	1.395289	1.492843	1.511648	NA	1.649696	1.740739	0.923723
1.126469	1.688859	1.486314	1.207679	0.256678	1.220204	1.216501	2.274932	1.515837
0.479017	1.140712	0.997785	0.31484	1.224771	1.76892	1.518741	1.370143	2.603224
0.929032	0.16843	-0.49328	0.751508	0.60616	0.341251	1.571216	1.130121	1.100876
0.828027	2.082904	0.620938	1.242323	0.105762	0.473402	1.73875	NA	2.221622
1.68363	0.552006	1.526714	0.869429	-0.14787	1.487244	2.266156	1.723771	1.955977
2.05641	1.343383	1.674268	1.332292	-0.6235	1.374278	2.184917	2.397577	1.745855
1.966458	1.732611	1.686271	NA	1.093717	0.653349	0.407262	1.309299	0.82661
1.709757	1.469145	2.028493	NA	0.148905	2.235302	1.520446	1.684825	2.055809
2.391255	NA	1.834932	1.186622	0.882149	0.819605	1.548568	1.259309	1.385642
0.681614	1.090763	0.981074	1.21378	0.750713	1.614095	1.48921	0.851832	1.127397
1.628482	1.107272	1.031081	1.560579	1.229992	0.5695	2.524402	0.870776	1.165771
-0.25939	-0.18063	0.535316	1.19453	-1.08496	0.988345	2.393534	1.749397	NA
0.699421	1.310096	1.891067	1.080027	0.824322	0.351051	1.382069	1.353404	NA
0.921036	1.531318	1.564298	1.506615	0.551065	1.210727	1.698544	1.350719	1.614161
1.632692	1.352287	1.781552	NA	0.881173	0.54728	1.43019	2.286081	1.529514
2.13946	0.71952	1.142236	1.848776	0.329388	1.633233	1.24567	1.401664	0.941857
0.376738	1.285342	-0.59957	0.489793	0.208267	0.930301	2.403795	1.945915	1.791183
1.238717	1.062171	1.876326	0.569532	-0.28731	1.613156	1.319997	1.702904	1.318732
1.784148	1.175672	1.335774	1.124114	1.61434	1.455846	0.767108	1.807329	1.019329
1.718038	0.192133	1.590843	0.703787	-0.03253	1.080047	1.421962	1.845127	1.111978
1.863197	1.195127	3.076561	1.233019	0.796235	1.051994	2.10299	1.27345	1.392529
1.67146	1.073023	-0.45312	1.479776	1.068256	1.443489	2.568493	1.347608	1.489236
0.985802	0.727099	1.39947	1.46116	1.37116	0.822339	1.17964	1.846137	1.395131
1.476579	1.040441	1.577009	1.334018	0.92795	1.18618	1.666046	1.611651	1.681701
1.307265	0.444546	1.259568	1.466767	1.240282	0.687343	0.301999	NA	1.076627
0.477709	1.86718	1.012827	-0.09658	-0.19065	0.221334	1.147081	1.396738	1.009833
0.217906	-0.29766	0.488504	-0.08165	0.334204	0.68911	2.760741	2.334276	2.456624
1.688824	0.917385	1.371286	1.369019	0.863943	0.649138	1.957304	0.980526	1.323252
1.476179	1.467765	1.06845	1.084989	-0.05545	1.814242	1.710263	2.210108	1.115344
1.945013	1.502006	1.698978	1.285378	1.090519	0.627997	1.856964	1.625547	1.691458
1.980265	0.567717	2.386791	NA	1.342342	-0.48536	1.823742	1.597141	1.293248

0.020654	1.381978	1.494042	0.792733	1.263806	1.132937	0.832633	1.69955	1.887975
1.710257	0.435036	1.372974	1.974228	1.341305	0.804889	1.96774	1.386588	1.197876
2.110151	1.43705	1.099341	1.185408	0.528807	2.164786	0.354348	1.230676	1.801567
0.562805	1.487343	1.465271	1.120585	1.038709	0.96488	1.363658	1.41381	1.333168
1.635335	0.612959	1.674268	1.870289	1.128805	NA	2.080973	1.922765	1.615958
0.178659	0.658499	1.452797	1.170375	1.756516	2.251631	3.382038	1.145295	1.663955
1.511731	1.725251	1.020919	0.658711	-0.95411	0.85521	1.639765	1.335012	1.373708
1.007554	1.192781	0.813266	1.196749	1.171432	1.317506	1.461958	1.606081	0.740113
1.246617	1.157323	1.655795	1.060512	1.088402	0.687028	1.745712	1.450703	NA
-0.09367	2.007448	0.06965	0.51866	0.324082	2.13051	0.453404	1.576671	1.429376
1.472264	1.445012	1.417458	0.808112	1.318979	0.365242	1.293306	0.636012	0.803978
2.337346	0.678279	2.426227	0.647495	1.113272	0.029388	1.482601	1.522146	NA
0.415919	1.68581	0.177584	0.5681	0.722499	2.743651	3.074054	0.835537	1.806934
1.331741	1.871842	1.112538	1.04141	0.436153	1.458616	0.902075	1.59032	0.626178
2.086167	1.052593	1.115653	1.211848	1.242542	-0.43375	1.5604	NA	1.431591
2.071418	0.94886	1.819789	1.688608	1.054228	0.467935	1.115522	1.41265	1.421724
1.612574	1.348123	1.754117	1.642191	1.66033	1.903777	0.869692	1.355945	0.919084
1.395097	1.289331	1.580721	0.654841	0.855333	0.928374	1.625652	1.440943	1.767644
0.932106	1.518352	2.548007	0.980391	1.423807	0.907378	1.320269	1.15392	0.961242
1.55235	1.117744	2.315322	1.267363	1.023275	NA	2.110544	0.623457	1.099831
2.720278	0.995149	1.454873	0.436299	1.643335	NA	2.113742	0.727987	1.516787
2.2509	1.226309	2.027486	1.247612	0.627696	1.894328	1.324174	1.437894	1.08679
0.790487	1.515426	1.430135	0.703997	0.821328	0.979146	1.250796	1.02199	1.126484
0.522729	1.362214	0.528931	1.16696	-0.56682	1.158739	1.633669	2.057468	1.413801
1.778424	1.747455	0.313562	1.104843	0.549961	0.928143	2.141969	1.025838	1.203201
1.487036	1.639375	0.300521	NA	0.743388	3.140342	2.056018	0.993266	1.706711
2.693549	2.380023	2.272027	NA	0.472783	2.370982	1.33518	1.491072	0.792677
2.318623	0.837478	0.798732	1.413123	1.020582	0.808645	2.251238	2.195528	1.655215
0.203996	1.433288	-0.11871	0.236461	0.405756	0.841778	2.275677	1.889827	1.618299
2.59203	0.471579	1.344639	1.584374	1.078526	0.870317	1.005881	0.965571	0.647934
1.670525	0.883812	1.684308	1.346142	1.01798	1.249688	1.610246	1.106617	1.192987
1.427408	1.356	1.285788	1.104054	0.294975	0.313331	1.407312	2.389321	1.515691
2.322224	0.639631	1.047816	1.234322	0.754333	1.781948	1.434792	1.870179	1.007099
1.340933	0.931097	1.223317	NA	0.653012	0.871456	2.329308	NA	1.774215
1.321597	-0.04962	1.130771	1.385738	0.459848	0.589909	0.958541	1.629162	NA
1.421013	1.22803	1.203661	0.86779	0.522115	0.606192	1.530138	NA	1.353643
0.670181	1.691266	0.669804	0.580244	0.614848	2.261791	0.780843	1.365689	0.987864
2.405531	1.021535	1.317287	1.010726	0.241911	0.672479	1.776795	0.822106	1.269774
1.35917	1.143852	2.010735	1.098748	1.468819	1.702968	0.872507	1.597108	1.145004
1.090345	1.219159	0.91869	0.510582	1.067057	0.414901	1.105918	0.996081	1.601377
0.444858	1.271455	-0.40609	NA	0.279156	0.833764	2.319998	1.774933	1.776043
2.141019	1.047069	1.787775	1.847908	0.637192	1.893708	NA	1.462124	1.148711
0.782658	2.716706	1.127342	1.440566	2.766371	1.544156	0.988649	0.197283	0.998742
2.645652	0.37554	1.566588	NA	0.619236	0.944002	1.161631	1.592705	1.112075
1.016378	1.045922	0.770892	1.301198	0.610001	1.087171	0.748748	0.223102	0.730383
1.432497	0.574879	0.075887	NA	0.875248	0.764291	2.033229	0.637246	0.679669
0.528335	1.608862	0.511201	1.810999	1.428172	NA	1.216045	0.378304	0.375053
1.348161	1.201201	1.282593	1.410878	0.435605	1.687977	1.794739	1.190326	1.275572
2.747741	0.484828	1.710893	1.164806	-0.0097	1.782258	2.025556	1.742388	1.563908
1.302574	1.382185	1.22405	0.775466	1.718133	0.356308	1.521262	0.92334	1.243501
1.7457	1.287152	0.791468	0.458666	-0.7613	NA	1.500241	1.91502	1.291016
0.749956	1.127958	1.104488	0.176039	0.468477	2.293927	1.396569	1.70023	1.369672
1.025773	0.266373	1.035257	0.818628	-0.80417	0.297078	1.97843	2.533796	1.339376
1.882067	1.360828	1.39761	1.285551	0.546859	1.938532	1.94468	1.974949	1.248341
1.500511	0.537946	0.783882	0.850781	0.820916	1.174778	1.407475	0.935239	0.891567
2.08968	0.519682	1.049595	1.727425	0.603673	0.50903	2.270425	1.467049	1.951642
0.87464	2.680897	-0.21331	0.423548	1.42111	0.299565	0.240723	0.606392	1.906472
0.961797	0.877503	0.982634	1.92916	1.218577	NA	1.239082	1.383934	0.455482

1.755833	1.474339	2.274643	2.42822	0.894406	0.949777	1.073249	1.592806	0.677153
1.577732	1.043357	1.758421	1.121339	1.09967	1.034608	1.75488	1.482087	1.321576
1.727353	1.042451	2.408792	1.824509	1.139664	0.686591	0.838332	0.876262	0.68738
1.084767	0.780401	0.793659	2.07292	1.198649	0.836501	1.173711	1.529738	1.184946
1.083393	0.953158	1.876377	1.373495	0.220199	1.540934	1.702376	1.1052	1.586531
0.734894	1.505712	0.290036	1.850808	0.421509	1.276624	1.606481	0.789978	-0.06452
2.805623	1.436638	2.304687	1.612824	1.573294	0.99423	1.346831	2.087451	1.815531
0.892048	2.68206	0.334703	-0.07106	1.167711	2.426641	0.774252	0.820224	0.545236
1.543574	1.26846	1.739927	1.705627	1.105825	1.816151	1.196199	1.042412	1.206751
1.289442	0.779641	1.948635	0.735897	0.751645	0.760617	1.710655	NA	1.35141
0.925788	1.148694	0.933649	0.968618	1.251284	1.779761	1.072801	1.720467	1.368109
-0.07332	2.095067	0.860875	0.392302	1.797013	1.881362	1.644767	1.729969	1.949232
1.762373	0.895169	1.707845	1.413352	1.355675	0.405666	0.869239	0.777271	0.869004
1.885744	0.391586	1.211812	1.64476	0.355775	-0.83468	1.858998	1.403358	1.742
1.020295	1.798934	1.148839	1.309571	1.738214	0.961692	1.426238	1.554427	0.84533
1.512635	0.803092	1.579696	1.89369	0.735984	1.543514	1.116586	1.422958	1.064913
1.491925	1.210505	1.194466	0.920378	0.881921	0.716381	0.548241	1.387552	0.890118
1.420702	0.900636	2.396547	1.283671	0.100054	1.867018	1.664004	2.368759	1.216237
1.11253	0.108943	0.99662	1.335714	0.485478	1.364582	2.457159	1.554347	1.29724
1.178184	1.257386	1.505426	1.264259	0.209582	1.352726	2.134993	1.131094	1.494125
0.854542	2.459011	0.571672	0.804356	0.631809	0.634302	1.948953	1.595383	1.816919
0.231645	1.712996	0.720572	0.989	0.075703	0.962567	1.215803	0.86287	1.08435
1.919147	1.02729	2.023413	0.957789	0.790352	0.404873	NA	1.355831	1.340784
1.125225	1.369022	1.205424	0.488279	0.885876	0.710064	1.602008	1.790902	1.844945
2.098254	1.238261	1.126881	0.969958	1.152509	0.464967	1.083549	1.155848	1.247321
1.499174	1.000717	1.208	1.226338	0.859272	0.447804	0.914556	1.58173	2.485746
1.058388	-0.31566	0.779911	0.987765	0.356155	1.306255	1.415443	1.343019	1.576159
2.064154	0.298264	1.214562	2.047024	0.950204	0.436538	1.607625	1.946108	1.662131
1.624477	1.527093	1.363216	1.400262	1.753757	0.61079	NA	0.782526	NA
1.66528	1.645458	1.42379	1.176547	1.580578	0.305252	0.756406	1.146367	0.950405
2.513357	2.266954	0.972651	1.427209	1.236406	-0.57854	1.292287	1.321969	1.080411
1.677951	1.760922	2.204656	0.520511	1.366881	-0.3808	0.865291	1.278932	0.415645
2.970255	0.71758	1.286657	1.567804	1.360855	0.155181	2.553748	1.913568	1.947158
1.019604	1.561733	1.48242	0.523995	1.34066	0.780479	0.994882	1.508894	0.991336
1.762614	1.595295	2.038622	1.054722	1.188444	1.262868	1.117025	0.657233	0.915218
1.071593	1.139374	0.74317	2.381641	0.1337	1.513177	-0.00859	1.160681	0.713643
1.424214	1.196497	1.25962	0.979733	1.10873	0.260593	0.812587	1.329884	1.248358
0.467943	1.36074	0.933939	1.4572	0.44952	2.084738	1.244073	1.697213	0.957426
1.774686	0.576638	1.153729	1.056576	0.378599	0.479323	2.154955	2.20175	NA
1.819808	0.971656	1.409779	2.116802	1.347627	0.291613	1.392842	1.559967	NA
1.354538	0.664721	1.463711	1.127379	0.129542	0.893216	1.113691	0.985166	1.033771
1.396497	0.867669	1.010575	0.651792	0.200745	-0.34974	0.339963	0.81421	1.74912
-0.46157	1.255083	0.632736	0.243712	-0.07141	0.39756	1.711288	1.707295	1.8072
1.464584	0.459887	1.974933	1.328059	0.197405	2.557577	1.540132	1.11139	1.247635
1.129431	1.063597	1.259175	1.224661	0.359996	0.72996	2.216279	2.649969	1.23406
1.329083	1.42442	0.950022	0.426501	0.713172	0.804271	2.068715	0.701454	1.279782
1.783612	1.502895	1.545834	0.905772	-0.46325	0.11052	0.477017	0.980929	0.698595
1.282835	1.125169	0.695377	0.960776	1.022233	1.056591	1.578675	0.892597	1.121236
1.399301	1.095043	1.361168	0.211388	1.607956	NA	1.050441	1.456876	0.741023
1.343346	0.982469	1.133237	0.573995	0.851517	1.109246	NA	1.43729	NA
1.058911	1.561688	1.545597	NA	0.892725	-0.14622	1.030759	1.182171	0.885752
2.09196	1.139822	1.231189	1.186969	0.128867	1.474504	1.299189	1.176094	1.278012
1.39491	1.677651	0.846307	0.858248	-0.10998	1.214301	0.484214	1.13296	1.477576
3.008937	1.558735	1.699993	2.181636	1.024455	0.129776	1.236703	1.768295	1.065676
1.431115	1.41478	0.584575	0.295296	0.425248	1.326162	1.225801	1.428283	1.753416
0.763948	1.035215	0.887674	0.81769	0.498097	0.228345	NA	1.092922	0.901747
1.960547	1.594784	1.484294	1.816501	0.89438	1.394522	1.377034	1.447226	1.130433
2.653394	0.489986	1.323035	NA	0.416631	0.105853	0.294164	1.324673	1.170227

1.226843	1.105873	0.260097	0.565211	1.083014	0.826951	2.322876	1.602532	1.221718
1.478592	0.402571	0.940561	1.321455	0.812513	-0.30696	1.219494	2.157529	1.165975
2.350159	1.645266	1.22566	NA	0.845234	0.404733	2.909162	0.788507	1.276351
1.966543	0.446914	0.76817	1.386788	1.092002	1.191195	0.439656	0.765931	0.69915
1.941329	0.510549	1.149103	1.2553	0.997719	0.114285	1.368461	1.217036	NA
0.868212	0.335728	0.918771	1.285289	0.662988	0.400484	0.944818	1.030396	NA
0.867447	NA	1.02076	1.043617	0.917367	-0.26584	1.867182	1.48207	1.29569
NA	1.06145	1.632837	0.265845	0.9831	2.505607	1.326752	1.358756	0.605534
0.443283	2.780682	1.719885	0.7006	-0.34067	0.860953	2.358091	1.524471	2.425464
2.119834	0.365993	1.534027	1.072885	0.195718	1.408446	2.401186	1.275621	1.570496
1.417809	2.096324	2.487328	0.559058	1.643515	0.993099	0.823445	2.026642	1.405465
1.566498	1.852844	1.467226	0.688716	0.64005	-0.02483	0.841036	NA	1.538828
0.232522	1.737457	0.639974	0.256538	0.310327	0.430926	1.368599	1.898983	2.0046
0.722497	2.361836	1.408445	1.242435	1.795868	2.575143	1.725061	1.152336	0.591771
1.747301	1.257633	1.658094	1.275665	0.573959	0.780745	0.605175	2.01897	1.266407
0.78828	1.943387	0.989412	0.720865	0.442086	1.416508	0.951687	0.323962	0.704287
1.425158	0.934016	1.085616	0.478904	2.445557	1.307442	0.122606	1.263192	0.231205
1.7711	0.371781	0.775088	1.347385	0.803546	0.385422	1.504938	1.297177	1.054305
1.389785	1.416036	1.814098	1.062493	0.855865	1.769111	0.765593	1.831637	0.552418
2.015346	1.678141	2.424595	1.108761	0.678417	0.917611	1.140916	1.074197	0.728041
0.733765	1.160755	1.580736	0.289223	0.284366	0.501853	1.820072	0.868417	0.636402
-0.3964	1.789507	0.798727	0.217577	0.48135	1.131145	1.184942	2.154475	2.553362
1.259937	0.867468	1.822101	0.661545	0.701682	0.829561	1.744828	1.45012	1.525693
1.095269	1.717253	2.440598	0.861073	1.129337	0.98386	1.116473	1.312158	0.655128
1.580562	0.896051	1.360327	1.118598	0.766538	1.774899	1.947912	2.095567	1.65653
1.061231	1.516558	0.55478	1.303814	-0.62861	1.690935	1.363358	0.519936	0.541605
2.066062	1.632215	1.803294	1.796406	1.444318	0.480017	1.243075	1.258197	0.956676
1.531092	2.626964	0.525349	0.025075	0.748292	1.831961	0.72153	2.748525	1.54532
1.222247	2.086735	1.636143	NA	0.878061	0.995984	1.612854	1.214331	2.139401
0.840122	0.933882	1.075629	1.280698	0.975613	0.349051	1.380456	1.031946	1.270106
0.944908	0.805236	1.152526	NA	0.827419	1.343503	1.734842	1.0134	1.367655
1.199178	1.606538	1.315159	0.781088	0.210497	1.552605	1.32402	1.074998	1.391553
1.797144	1.593505	0.963739	-0.09224	1.192291	NA	3.539523	2.203559	0.627717
0.98763	1.530865	1.896723	0.920056	0.953643	1.429767	0.626695	0.657299	0.991526
1.601361	0.269257	1.075295	0.984871	0.271587	0.45587	2.25938	1.876584	1.510683
1.565652	0.580302	1.487611	0.81012	0.492044	1.520851	0.824323	0.988154	1.432728
1.564278	0.846487	1.229164	0.823929	0.256672	1.244125	2.115051	NA	1.691841
0.917072	1.413252	1.239616	1.183753	0.465879	1.215054	1.711487	0.967526	1.423608
2.052663	1.152365	1.566184	1.450001	0.779517	1.230859	1.296805	1.027098	1.242845
1.237439	1.398561	0.827643	1.077189	0.083846	1.269861	0.485093	0.732802	NA
0.292473	0.492118	0.719431	0.653474	0.642597	0.404884	2.010827	1.59404	1.981149
1.555098	2.231	1.138041	1.026393	1.59305	1.531147	1.041133	0.859835	0.592855
0.954657	1.753774	0.983697	0.649699	0.340795	NA	0.72596	0.952412	0.8399
1.329611	0.864276	0.754253	1.409535	1.747547	0.553934	2.23328	1.432327	1.254702
1.277103	1.139721	0.220679	1.766413	1.212427	0.242039	1.353728	-0.59613	0.914269
1.665455	0.98674	2.26156	NA	0.725289	1.318625	1.303613	0.965673	1.558152
1.477089	1.440308	1.474775	0.867549	0.902176	0.823833	-0.14418	1.452262	1.05954
0.692856	2.02202	1.512271	0.91661	0.59825	0.798124	0.497389	1.549931	1.236334
1.935023	1.025533	1.695902	1.077039	0.319053	2.190215	1.292247	1.408993	1.32517
1.716911	0.996198	1.805965	1.160146	0.448675	1.716012	1.93066	1.496427	1.228947
0.664115	2.070157	-0.15319	0.930143	1.801862	1.616529	2.182861	1.386927	0.621943
0.700943	1.926482	0.616936	0.893229	0.943417	2.098099	0.986886	0.90034	0.645685
1.383575	0.548478	1.288122	0.761212	0.433819	0.510584	0.402705	1.70483	1.528966
1.076227	1.23427	2.175382	0.838732	1.246346	0.01816	0.992208	2.486424	1.859402
1.786849	0.69104	1.832947	1.248809	0.64515	0.271162	0.727434	1.49451	NA
1.188423	1.192096	1.058749	1.002121	1.321308	0.862211	2.19927	1.11423	NA
1.405517	0.746718	1.04589	1.224927	0.373748	NA	1.135577	1.542859	1.314512
1.407234	0.790257	1.221307	1.200128	1.159248	1.143246	1.524285	NA	1.006016

1.239302	0.383031	1.498812	1.290187	0.327094	0.915644	0.961243	1.832475	1.117042
1.515666	2.757473	1.506879	1.047446	1.507926	0.350405	1.801267	1.58566	0.832566
1.42037	2.351007	1.491213	1.164823	1.568276	0.870859	2.16972	1.522439	1.113884
1.556848	0.464426	1.09988	1.143218	0.678924	NA	1.535904	1.122986	1.498786
1.899585	1.786741	0.864874	1.109627	1.075695	1.019444	2.483685	1.335925	1.048669
1.988617	0.159724	1.18082	1.406198	0.765834	0.457764	2.34756	0.942676	1.625807
1.124291	0.919634	0.677948	0.815131	0.571394	0.534496	0.89181	0.619765	0.865965
0.177358	1.336422	1.127533	-0.04127	-0.60253	2.052326	0.388258	0.392505	0.822952
NA	0.571482	0.00492	-0.16157	0.729674	0.070752	0.585185	1.072136	1.260269
0.978065	1.277091	1.834476	0.703824	1.2335	0.36819	1.334013	1.690413	1.806194
1.468125	0.709675	2.081808	1.40836	0.449887	-0.21477	2.284691	0.980585	1.39773
1.212673	0.460483	2.246366	1.25894	0.141954	0.66284	1.258898	1.510858	1.528191
0.844994	1.349054	1.697334	1.121513	0.576626	0.470764	1.663352	1.671954	1.495269
1.141761	1.187267	1.685035	0.728653	0.227717	1.982839	1.002942	0.50612	1.105356
1.314175	0.763152	1.841372	1.352176	1.245612	1.561019	1.248877	NA	1.195769
1.202636	1.28227	1.168978	1.288467	0.96151	1.408161	1.449146	1.787351	0.905073
1.616313	1.21201	0.91973	1.183954	0.437753	1.470716	0.984667	1.177215	1.042166
2.871042	0.901992	2.331176	0.95789	1.173967	-0.40617	0.682232	0.871998	1.004607
0.982562	0.469494	1.210259	1.264106	1.739802	1.627902	1.474923	1.124973	1.198906
1.952734	1.231319	2.630958	1.275789	1.44725	0.405245	1.87367	1.388404	1.274622
1.429334	1.702663	2.268586	1.09268	1.144748	0.829566	1.196726	0.69779	0.710625
1.724417	1.231261	2.161054	NA	-0.09536	1.507739	1.507619	1.005525	1.263863
2.031231	1.745012	1.723153	0.90549	0.938754	0.910378	1.172794	0.935327	1.046356
0.435207	0.511862	1.007816	0.592016	0.396514	1.10906	1.818299	1.590893	1.515881
1.518225	1.16852	0.88365	0.895281	0.090956	0.829499	1.096782	1.45858	1.412995
2.150364	0.159294	1.517862	1.931961	0.529356	0.447844	2.512418	2.391211	1.487629
1.571558	0.997919	1.079388	1.228953	0.185253	1.584357	1.062116	0.845226	1.121367
0.874872	1.173456	0.966409	0.159392	0.492952	0.662314	0.413416	1.164936	1.238861
1.002742	NA	1.078493	NA	1.252525	2.077511	1.448794	1.77909	1.775313
0.824635	0.863586	0.958384	1.299125	-0.20956	NA	1.551131	1.537739	1.395403
1.484697	2.457891	0.884766	0.052251	0.693781	1.857569	1.050794	0.867922	0.780298
1.281807	0.840087	1.298228	0.751153	0.977101	0.688636	1.913007	1.616226	1.568912
1.334944	1.17481	1.430138	0.979001	0.626712	0.231171	2.100281	1.275549	1.443245
1.836826	1.206971	1.763359	1.37777	0.944965	-0.23328	1.832217	0.590197	0.988433
0.772895	0.817985	0.810224	0.908368	1.335255	0.383433	1.765802	1.737694	1.380331
1.550668	1.030088	1.71197	0.653647	1.001702	0.45959	1.956726	1.541023	1.906453
1.658732	-0.09351	1.452839	1.627293	0.860769	0.712515	0.91167	1.478773	1.963018
1.59168	-0.08983	0.793395	1.506281	0.804698	1.087326	1.561734	1.291722	0.648237
0.647452	1.111163	1.798447	0.927569	1.142323	0.776272	1.715922	1.91846	1.266657
1.022152	1.200966	1.049411	0.746785	0.970272	NA	-0.36038	0.258434	0.86631
-0.13536	NA	0.872183	0.056915	0.636115	0.264776	1.319427	0.405591	2.871994
1.595999	1.353559	0.971771	0.495708	0.095762	1.631517	1.286943	1.026211	1.273575
1.20612	0.95751	2.521753	1.132569	0.244586	1.970212	1.463669	1.546599	1.384446
1.366021	1.354418	1.806875	1.273687	0.969216	0.32664	1.020522	0.961565	0.708143
1.385859	NA	0.766033	1.266916	1.569258	1.023275	2.013931	1.083189	0.75819
1.666006	2.643975	0.714761	1.673204	1.607782	1.470962	1.795908	0.9121	0.992798
1.298052	1.404206	1.660042	1.412605	0.655016	1.731173	0.687227	1.29959	1.032858
NA	0.667958	1.533965	1.392679	0.981901	0.729715	1.298243	1.074526	1.023833
1.209886	0.507895	1.56095	1.057774	0.666457	0.760708	2.204011	1.106134	1.629312
1.653608	0.044937	1.151646	1.06422	1.339931	0.642974	2.398568	0.305233	1.078576
1.104936	0.761186	1.008213	1.650454	0.643246	0.524862	2.135944	1.267773	1.284087
0.748672	0.744327	0.159647	-0.15033	0.216255	0.495962	2.012817	2.266136	1.615121
1.657111	1.565605	1.504588	0.454731	0.410973	1.530385	0.846168	0.925817	0.893208
0.804293	0.824115	1.113207	1.251854	0.262325	0.918932	1.33293	0.408706	0.968581
2.85346	0.954866	2.010917	0.453238	0.941864	1.556936	0.762273	1.974565	NA
1.474905	1.283602	1.773081	1.368083	-0.19888	1.416332	0.805102	1.122909	1.049508
1.533187	1.043271	1.141114	1.707986	1.562581	0.713662	1.552756	0.891864	0.750365
0.943558	1.825408	1.818732	0.844178	0.544874	1.302484	0.337504	0.847563	1.4489

0.7968	-0.02279	0.820962	0.844108	0.239251	0.462066	0.722368	1.453085	0.388046
1.270971	1.297402	1.498385	1.176989	1.382992	0.303719	1.281007	1.054273	0.982214
1.669625	0.249563	0.788625	1.087882	0.372587	-0.18002	1.248714	1.390461	1.372798
0.908533	1.473797	1.244622	0.609279	0.691874	2.159099	1.793599	1.314384	1.495405
1.079867	1.113205	1.57262	1.269288	0.38775	1.905608	1.238183	1.124776	1.178122
1.790066	1.201436	1.564289	NA	1.486485	0.859245	2.282333	1.680081	1.150488
1.248206	0.729447	1.234955	1.507938	0.936133	0.357037	1.411553	1.882886	NA
1.67597	1.18295	1.237833	1.307938	1.08432	0.879114	1.242196	1.126635	0.968814
1.763392	1.408404	1.472148	1.570752	1.41511	0.57489	0.45918	0.754576	0.623914
1.817253	1.343686	2.225872	0.720155	0.426486	1.2615	1.025974	0.504787	0.619484
1.084409	1.331062	0.72236	0.227142	1.365185	1.068304	2.569506	0.858765	0.708061
0.529036	1.69326	1.603673	1.097519	0.346998	0.446867	0.336111	0.632772	1.683747
1.354877	0.833139	1.047644	1.762717	1.011398	NA	1.147164	0.786676	1.031987
1.017529	0.719568	0.51563	0.920391	-0.65345	-0.86762	0.829067	1.205204	0.511218
0.627396	1.070864	1.015634	1.180759	0.650864	0.29357	1.120837	0.593678	1.267579
1.871674	0.650813	0.700823	NA	0.744448	0.00499	1.574174	1.165185	1.022329
1.25543	0.823871	1.295818	1.214785	0.899672	0.765171	1.079548	1.142716	NA
2.179006	0.780815	1.044259	0.857836	0.656527	0.926566	1.574589	1.111229	1.135347
1.00653	1.320253	1.615125	0.801323	1.873111	0.802798	1.308399	1.573764	1.067798
1.337473	1.066585	1.241833	1.279097	1.09104	0.882333	1.358427	0.983811	0.785511
1.738961	0.532308	-0.04157	1.221342	0.049215	NA	3.216975	-0.149	1.001029
0.408562	1.308829	1.092097	0.144344	-0.04817	1.547875	1.55613	1.344414	1.215836
1.720742	1.415623	1.830719	1.05268	0.393028	1.723226	1.105949	1.289347	0.89005
2.258449	-0.18683	1.402384	0.773786	0.645258	0.277712	NA	1.346255	1.551946
1.372184	1.237701	1.022084	1.241934	1.327294	1.159602	0.391148	0.756085	0.826981
1.453645	1.723008	1.204821	0.862621	0.464275	NA	0.623687	1.111926	0.775211
0.009783	1.692756	1.423437	0.905811	0.484633	0.901758	2.009189	1.873153	1.194657
0.842585	0.607279	1.504327	0.759941	0.47776	0.496729	1.554136	1.438539	1.300651
2.467083	-0.12929	1.172108	0.826214	-0.14283	0.910713	1.10394	0.279435	NA
1.172348	0.596528	1.645649	1.645285	1.369212	0.527295	1.204808	NA	0.940353
1.329751	0.20793	1.817965	1.479599	0.858426	0.355249	0.91855	0.84891	0.724741
1.545939	1.106729	1.102332	0.9531	NA	1.148085	1.023938	0.993518	0.834022
1.331931	0.785029	0.245974	NA	-0.9789	0.730593	1.398404	0.380247	0.676749
1.815009	0.347007	1.600265	NA	-0.09778	0.330246	1.741026	2.065856	1.03597
0.772729	1.281215	1.227352	0.692399	1.3252	1.426196	1.469806	1.210201	1.385205
1.468036	2.414173	1.591112	0.512533	1.042897	0.744254	1.913945	1.734272	1.038527
0.785231	1.298454	0.466154	0.267585	0.798776	0.758692	1.336806	1.59756	0.731373
1.595218	1.122171	1.613939	1.339282	1.100748	-0.0632	1.702618	1.059083	1.811051
1.361492	0.572486	1.305479	NA	0.870019	0.945797	1.195134	1.329774	1.156494
0.955171	1.410275	1.192473	0.494523	0.927041	0.46265	0.810512	1.234509	0.829397
1.691978	0.927296	1.221018	1.257216	0.65331	0.721467	1.165397	1.526721	1.09888
0.232628	0.63371	0.667042	1.065206	0.695183	1.50582	1.498904	1.82448	1.19573
1.711661	1.323851	2.228089	1.420517	0.926928	0.41063	0.89631	1.071546	1.081948
1.661237	1.651738	1.85381	0.886954	1.573243	0.785427	1.511542	1.719855	0.501247
2.082688	0.870789	1.188103	NA	1.418447	0.541011	0.831349	1.078072	0.500076
1.697552	1.345889	1.716188	NA	0.310287	-0.17235	1.454152	0.720002	1.207057
2.435967	0.383206	1.147332	NA	0.263374	0.034347	1.655895	1.442396	0.836841
1.111469	2.205834	0.643361	0.660736	0.588765	2.272303	0.138013	0.873614	0.469837
1.014202	0.92963	1.174794	1.258378	0.610295	NA	0.716009	0.5291	1.202984
1.37265	1.56693	1.048341	1.008044	0.91737	0.587657	2.134239	1.860563	0.774327
0.104128	0.925579	0.90915	0.99953	-0.21546	-0.68766	1.558251	0.007566	1.019097
0.316015	0.702217	0.344094	0.320698	0.590434	0.651565	1.74237	1.445994	1.900558
0.961833	1.540969	0.887479	0.253265	0.612925	0.837729	0.258757	0.982772	0.835777
1.378354	1.575088	1.124597	0.999051	0.729716	0.97517	1.186585	1.012331	0.981975
1.25099	1.38588	1.45123	0.98059	0.541221	0.485876	1.483179	0.869805	1.535714
1.194211	0.725416	1.286387	NA	1.305777	0.479393	1.514528	NA	1.644478
1.44509	1.995827	2.495099	0.625007	1.021982	1.301795	0.87206	1.415176	1.466577
1.196876	1.160863	0.787547	1.293637	0.637562	2.079884	1.116432	0.896991	1.286455

0.450586	1.25888	0.126785	1.087461	0.501776	1.218729	1.830289	0.873349	1.195649
1.541721	1.646904	1.318803	1.019655	-0.32598	NA	1.944418	1.693172	1.375927
1.146503	0.873996	0.764635	0.578666	0.489724	-0.06317	1.046052	1.570804	1.334382
-0.45169	2.053375	-0.03071	-0.12874	0.993204	0.618372	1.878325	0.986667	1.041517
1.338073	1.01732	1.444274	0.979424	1.476051	0.499452	0.664517	1.180235	0.221793
1.468936	1.557578	1.372181	0.969813	0.6176	1.477495	0.626533	0.617409	NA
1.328238	1.201435	1.355326	0.865184	1.446929	0.982736	1.312113	0.721912	0.892472
2.123686	0.945237	2.045701	1.485937	1.11252	0.318689	1.435671	0.675897	0.863791
2.102991	0.370718	2.440227	1.682384	0.596549	1.43047	0.875861	1.491631	1.165116
1.537485	1.339896	1.810491	1.125905	0.212464	1.55846	0.814791	1.174143	1.361597
1.150837	0.642889	0.936503	0.623667	-0.01872	1.552466	1.247078	1.023196	1.214391
0.268231	0.77693	0.533095	0.702164	0.991268	0.758714	1.786908	1.261268	1.566753
1.234229	-0.55261	0.608484	NA	0.340869	-0.17424	NA	0.836013	1.160422
2.878303	0.500468	1.822151	1.566272	0.651679	0.093377	1.493077	0.77948	0.808431
1.694359	1.314559	2.536954	1.34588	1.164845	1.64026	0.841351	0.761546	0.69065
1.26073	0.982105	2.05369	1.681352	1.800276	0.872738	1.031255	0.518873	0.394998
1.362356	1.121209	1.492965	0.980733	0.494433	0.845842	1.050662	1.093163	0.924096
1.854524	1.113856	1.297538	1.266728	1.231871	NA	1.08034	0.988393	0.899868
1.489985	1.212257	1.544243	1.288508	1.294079	0.630178	1.307391	1.361453	1.109783
0.936997	0.997992	1.284549	1.036316	1.066416	0.161672	1.462189	0.83952	0.778365
1.466965	0.9664	1.375528	NA	0.709827	1.839755	0.810359	1.701831	0.799515
1.382764	2.155831	1.535803	-0.22453	1.622871	1.114052	1.20827	1.780416	1.03032
0.854472	-0.00179	1.36045	0.645589	-0.29194	0.475267	-0.13877	1.738467	1.14149
1.279596	1.402421	0.760685	0.960538	0.097988	1.113743	0.637161	1.598942	0.726262
0.738729	1.011013	0.698284	1.40939	0.848294	0.71982	1.185646	1.380364	0.543307
1.278472	0.932965	1.55497	1.16109	0.868249	0.672915	1.20848	1.144598	1.042782
1.681048	0.51479	1.113183	0.595361	1.040589	NA	0.952467	2.023168	1.033636
2.21455	1.806547	1.104387	1.088025	1.374957	NA	0.713082	1.554417	0.279287
0.653907	1.474523	1.275085	1.115564	1.213058	0.149611	1.380115	1.337681	0.872281
1.823041	0.721673	1.530227	0.555956	0.006147	0.313096	1.008821	1.294608	1.019305
1.730443	1.559573	1.105586	0.565962	1.569942	0.066305	1.740372	1.498006	1.256803
1.15052	1.73081	1.279429	1.178579	0.919587	0.497448	1.002857	0.927954	1.104799
1.110794	0.034872	0.988342	0.590724	0.07687	NA	0.577504	0.61607	NA
0.92571	1.326308	0.673055	0.570872	0.338681	NA	0.769066	0.71352	0.881244
1.309797	1.807569	1.80321	0.486451	1.548144	0.972717	0.169868	NA	1.741543
2.140909	1.066786	1.572618	0.838316	1.125375	0.999085	2.274245	0.735049	1.086977
1.078747	0.813582	0.806371	-0.11618	-0.12194	2.592092	1.841616	0.623003	0.976038
1.786559	1.430182	1.07814	0.860707	-0.08451	1.505988	1.012142	1.811524	1.084804
1.029303	1.066659	1.422898	NA	0.684441	1.831079	1.056227	0.966992	0.926666
0.653481	1.798198	0.815658	0.964148	0.681204	1.788262	0.887096	0.745247	0.685093
1.927583	0.804612	1.768234	0.611587	0.960914	0.754913	1.365497	0.830679	1.127521
0.586232	0.764217	1.108971	0.473189	NA	0.89318	1.099434	NA	1.01895
0.869785	1.973587	2.002414	0.721985	0.909627	1.224088	0.161565	1.419862	0.40993
1.217947	1.490422	1.435919	0.903243	0.741304	NA	1.799841	0.815799	1.367946
0.825617	0.722478	1.233842	1.285005	0.524142	-0.07309	0.94204	1.058052	1.211784
1.562939	1.499982	1.38455	0.703843	0.873923	1.359223	0.935279	1.38499	0.941251
0.460416	2.841652	0.841578	0.203463	0.138097	NA	1.54435	1.17059	0.663061
0.793744	1.271784	1.267114	1.33906	1.426444	1.231012	1.898801	0.78815	0.813885
1.05972	0.099048	1.147906	1.188266	-0.36919	NA	1.651961	1.637863	1.698603
1.544588	0.753074	1.027605	1.019589	1.412219	0.357902	0.692617	0.863728	0.789987
0.616419	0.761974	-0.20354	1.333904	1.158766	0.825281	0.916298	0.509958	0.458261
1.357376	1.386488	1.555653	1.30067	0.612834	-0.12628	1.081845	1.000806	0.888231
0.965495	1.001017	1.196023	0.734667	0.498409	1.691763	1.024267	1.299928	0.989605
0.925417	1.47544	1.900737	1.233252	1.274039	1.246733	1.375192	1.088635	0.785083
1.017585	0.599645	0.955405	0.915012	1.437413	-0.40591	1.879849	1.387238	1.481241
1.408482	1.029588	0.455134	1.473436	0.850507	0.567931	0.708208	1.145945	-0.17433
0.519831	0.273184	0.416896	0.106713	0.267653	1.105529	1.880627	1.518908	1.408338
1.616704	NA	0.886147	0.871107	0.497969	0.695192	1.560912	1.286174	1.227034

1.788219	0.703194	1.379505	NA	0.975912	-0.15308	0.80604	0.978541	0.954389
2.379761	1.277898	0.947805	1.313457	0.76151	1.496313	0.97845	0.738896	0.73813
NA	0.233255	0.597887	0.848227	-0.23903	1.752643	1.176134	0.586421	1.000117
1.747719	1.118983	1.765481	1.520633	1.154669	NA	1.422072	0.584247	0.608437
1.796561	1.194524	1.179406	NA	0.545144	0.419003	0.943698	0.791641	1.20801
1.852862	0.645907	2.070318	1.189097	0.508566	1.290711	1.603657	1.258711	1.124818
0.900155	0.863607	1.091543	1.16425	1.451602	1.193715	0.676936	1.019493	0.391765
1.4044	1.098028	1.188331	0.851499	0.568855	0.487687	0.347537	0.704706	1.247399
2.059825	0.635336	1.848458	1.328674	1.421554	0.122471	2.385534	1.079681	1.109663
1.270278	1.092124	0.48582	0.573114	1.132167	1.184067	0.765392	1.356587	1.182268
1.337048	0.832503	1.155074	1.717467	1.044216	NA	1.842929	0.801665	0.884949
0.970648	0.698915	1.066027	0.921455	NA	0.088732	0.980238	NA	1.171577
0.923687	1.497799	1.73121	1.121715	1.13521	0.525377	0.485329	0.662327	0.492124
0.695963	1.624462	0.808888	-0.42696	0.312081	NA	1.599162	1.642984	0.937306
0.388998	1.251827	0.811034	0.781716	1.344983	1.573333	1.322284	NA	0.865336
2.004006	0.936864	1.199527	1.800641	1.457485	1.381678	2.337754	1.098799	0.88875
1.318197	1.444247	1.152766	1.461443	0.632455	0.890017	1.115503	0.452814	0.829242
1.498101	1.372712	1.114057	1.42702	1.052872	0.556266	0.864567	0.384526	0.885159
1.266481	1.494829	1.418922	0.970913	0.165147	1.369125	1.684235	1.388706	1.579322
1.536781	1.344059	0.781772	0.976248	1.377742	1.237851	0.480313	0.732762	0.384162
1.480614	0.342456	1.015211	0.926778	0.516383	0.243085	1.758605	1.695608	1.682861
0.964635	1.124976	1.03496	0.976141	1.179561	0.933063	0.39429	1.168539	1.722314
1.175844	0.597412	0.739133	1.182731	0.295783	1.834518	0.709706	1.006067	1.145842
1.274376	1.295594	1.276253	0.250717	0.041807	-0.37207	1.212673	1.496991	1.1582
1.202374	1.650647	0.507201	1.167311	0.302614	1.606449	0.937918	0.805159	0.520377
0.590356	1.259162	0.908302	0.792572	1.006017	0.574067	1.978299	1.107411	1.173201
1.694793	1.055603	1.902391	2.032135	1.521465	0.730143	0.100039	0.384252	0.414866
1.62936	0.626809	1.133336	1.270744	-0.28142	0.210259	2.594241	2.126483	1.597685
1.327938	0.594402	1.486452	1.083393	0.813432	0.504727	0.924862	0.896874	0.616783
1.316939	1.27078	0.510999	1.141461	0.425337	0.31316	1.067499	0.844602	1.038056
0.722622	0.45156	0.776338	1.268162	0.166474	0.320313	1.793693	1.243124	1.526445
1.614935	0.924718	0.97253	1.318168	0.701057	1.521644	1.117087	1.1533	0.956925
2.015177	NA	-0.27173	1.056835	1.210475	1.088509	NA	1.422402	1.351138
0.811232	0.856988	1.125599	1.028268	0.474119	NA	1.284377	0.846204	1.072341
1.967151	0.878246	1.795976	NA	1.123958	0.686024	0.780822	1.537969	1.493281
0.587889	1.106949	1.473815	0.873881	0.114697	0.376832	1.082102	1.382389	0.608472
0.873189	0.250946	1.385717	0.980506	0.785313	0.11541	0.998108	0.887651	1.082446
0.978466	2.408582	1.922901	0.21601	0.393783	0.92823	0.583278	-0.1003	0.762138
0.540284	1.193347	1.012674	NA	0.560027	0.977452	1.851535	1.364676	1.175712
2.253098	0.386947	1.084661	1.269436	1.045839	0.698404	1.612603	0.876484	NA
1.198665	0.729427	1.177503	0.687403	0.295494	0.512053	1.196033	NA	1.119677
1.126826	-0.01465	1.732897	1.170166	0.592482	0.003267	0.740162	0.817692	0.859546
1.550825	2.301398	0.516576	1.098801	-0.38311	0.93439	0.638443	0.410175	0.786467
1.264282	1.559442	1.116837	0.349585	0.466425	0.511677	1.193099	1.815411	1.119115
0.834446	0.921781	1.176612	1.04411	0.762921	0.375235	NA	1.123209	1.54492
0.807669	1.263119	1.337947	0.832114	0.251467	0.280845	0.69402	0.708216	1.03188
0.984711	0.00947	1.697224	0.847912	0.613578	0.576723	1.283621	1.182102	1.669448
1.045557	1.564542	1.317419	0.590592	0.379693	0.466088	1.648305	1.32815	1.414423
1.026796	0.878999	1.307478	1.176392	0.67777	NA	0.728413	1.334133	0.742214
1.408688	1.271544	-0.30804	1.156191	1.067896	0.609386	0.940644	0.36322	0.328477
0.725691	0.372102	0.668798	1.055185	0.031992	0.847401	1.214322	0.935498	1.115815
1.549564	1.276925	2.028579	1.03625	0.376249	0.349864	1.296403	1.47702	1.055201
1.803572	0.682742	1.268757	NA	0.456764	0.582379	-0.13063	0.33691	0.49845
1.55619	1.166094	2.82019	0.992279	1.344794	0.23002	1.091117	0.754628	0.989112
0.805445	0.934122	1.153568	0.59985	-0.55228	1.89797	1.387597	1.852244	1.042282
1.374727	1.096477	1.6089	1.536908	1.081519	NA	0.964733	0.841555	0.476484
1.482413	1.084427	1.180356	1.109135	0.644515	0.506321	0.697634	1.194708	0.655903
1.306416	1.300934	1.437898	0.310195	1.064114	0.25789	1.577982	2.158098	0.750752

1.45666	0.675834	0.954952	1.216405	0.664492	0.638164	1.182887	1.02237	1.293617
1.746359	1.262616	2.128527	NA	1.398141	0.116051	1.589328	1.652784	1.248382
1.055566	1.454077	1.024435	0.700078	-0.16344	0.669589	1.17964	0.714132	0.229723
1.522878	1.811587	1.085843	0.797136	0.283195	1.140044	0.904886	0.880058	0.547746
0.721523	0.763297	0.991769	1.08266	-0.09855	1.372191	0.652533	1.141108	0.175962
0.747754	1.358081	0.44365	0.96342	NA	1.172848	1.227702	0.625455	1.06196
0.602973	-0.64435	0.888494	0.762408	-0.12384	1.347351	0.857908	0.755357	0.472594
0.56033	0.473212	0.439573	0.217426	0.099514	0.23303	2.071482	0.944702	1.373571
1.037775	1.738014	1.251334	1.104023	0.974872	NA	0.73553	1.024102	0.279009
1.267427	0.901053	1.251653	0.490846	-0.11938	0.988591	1.660765	1.839084	1.552569
1.494186	1.359514	1.461969	0.359199	-0.09438	0.382012	1.079377	1.490998	1.634416
1.43645	1.635141	0.891836	0.84836	0.943727	0.654643	1.764451	1.249416	0.890593
1.689731	1.757673	2.266236	0.626368	1.166246	0.575612	0.433058	0.806092	0.460523
0.678605	1.152431	0.414877	1.085537	0.664188	0.784674	0.563917	0.02143	0.453491
0.699358	0.878563	0.468069	0.745387	1.243807	-0.13924	1.369242	1.27017	NA
0.38746	0.555555	0.573811	0.614856	-0.5686	1.346701	0.866611	0.774178	1.085226
1.54267	1.162202	2.162651	1.03144	1.045746	0.120177	0.68693	0.407775	0.597495
1.459447	0.620057	1.633534	1.350949	0.831022	0.30264	0.298355	NA	0.74327
0.80785	0.679679	0.231567	1.3426	1.254833	0.347175	0.881172	1.173659	0.784487
1.015016	-0.07636	-0.16614	0.604348	NA	-0.17282	1.289366	0.848545	1.122695
1.430195	1.228896	1.32736	0.693167	0.258073	1.088698	0.032866	1.119755	1.013605
0.933806	1.027834	0.870294	1.42477	0.965581	1.540192	1.312155	0.751685	1.01982
0.912876	0.706178	1.259886	0.970157	0.879121	0.261286	1.611562	1.407384	1.20338
1.494482	0.52185	0.609219	0.773957	0.216755	NA	2.09714	0.609925	1.518829
1.263568	1.031694	1.017437	1.347953	0.656863	1.203574	1.57393	0.447581	0.809014
1.387399	1.258303	1.160595	1.017683	1.649384	NA	0.76079	1.451218	0.200058
NA	1.446277	1.030485	1.364267	0.314436	1.130307	0.35399	NA	0.853802
1.722475	0.875654	0.99822	1.690912	1.06353	1.805622	1.149586	1.4068	0.600932
1.166287	0.867979	1.096664	0.323311	0.735043	0.529833	1.361772	1.386673	1.090268
1.50697	0.131572	1.175362	1.038867	0.880812	NA	1.983816	1.502371	NA
1.278708	0.819758	1.728742	1.323504	0.842014	0.404673	0.827253	0.894514	0.599654
0.949944	0.866294	1.012539	1.018092	0.677376	1.00765	1.473066	1.962001	1.13947
1.325835	0.667634	1.080904	0.149078	0.96474	0.021236	0.591608	1.387262	0.825468
1.045224	1.558931	1.04544	0.973785	0.516812	1.545168	1.118325	0.118238	0.486243
0.826749	1.534394	1.773081	0.339748	0.634389	0.634359	0.809079	0.398825	NA
0.797829	1.165297	0.789099	0.767696	-0.0788	NA	2.281469	0.853767	1.744478
0.635408	0.647994	0.711914	0.580925	1.115472	-0.28437	0.979644	1.11213	1.25286
1.311114	1.127074	1.131777	-0.26474	1.037695	1.645791	1.19051	NA	1.492982
1.935083	0.915187	1.704637	NA	0.740964	1.416176	0.980386	1.068649	0.768602
0.593713	1.193785	0.309053	0.379751	0.361685	0.992075	0.164226	0.408595	0.593222
0.742841	1.044485	0.702043	0.242004	-0.11679	1.453896	1.278048	1.182722	0.964279
0.085698	1.276434	-0.05373	0.656681	0.80583	NA	1.19355	1.409271	1.531138
1.66199	1.435105	1.323811	1.413093	0.441308	0.295718	0.779062	1.32366	0.609088
1.261182	1.317047	1.130092	1.105061	0.574741	0.311194	0.741584	1.175404	0.964957
0.98814	0.91463	0.831979	1.17057	1.047677	0.383785	1.691979	1.470622	1.086305
1.606233	2.189082	NA	0.928796	0.74155	0.784195	0.279113	0.36472	0.428959
1.490052	1.598597	1.766401	1.238587	0.371237	0.065338	1.422778	2.06331	NA
1.11531	1.080854	0.687184	1.248414	1.175964	2.271556	1.086495	0.510205	0.900429
1.810511	0.963881	1.913288	1.269379	1.280101	1.053518	0.838087	0.72715	0.382265
0.853538	0.718872	1.033611	0.994968	0.734435	0.711394	2.010276	0.385433	0.562658
1.249086	1.465367	1.124045	0.563389	0.345951	-0.11584	1.272068	0.667029	0.909577
1.386639	0.673314	1.381062	0.766063	0.270214	0.29836	1.154293	1.176269	1.215328
1.242433	0.903161	0.152493	1.557668	0.917416	1.298242	1.36241	0.353785	0.791545
1.193941	1.220406	0.915999	0.998796	0.217318	0.817118	1.216215	1.116015	0.980897
2.162625	0.288931	1.902587	1.668295	0.705795	NA	0.574302	1.214997	0.498432
1.403473	0.997614	0.781095	1.247312	0.454176	1.064145	1.76185	1.041672	1.2215
0.818372	0.721843	1.626847	0.929906	1.306955	0.662748	-0.19784	1.057775	0.168654
0.26624	0.893994	1.152605	0.364642	0.724089	0.164164	0.497722	1.389554	0.668679

1.476351	1.235466	2.184555	1.372498	0.925271	0.74302	0.135501	1.439255	0.468559
1.549014	0.560474	1.330241	1.433694	0.894856	0.687853	0.582102	0.569904	0.669464
1.282316	-0.02137	0.403665	1.145863	0.249071	1.042028	NA	0.788992	0.726448
1.665738	1.622833	1.609114	1.427073	1.012746	0.784314	0.744879	1.04354	1.088178
1.738107	0.749208	1.156341	0.83132	0.420166	0.021457	1.713183	1.591829	1.347861
1.321831	1.09488	1.494027	0.676473	0.707435	0.352341	1.545886	1.120539	0.917654
0.071311	0.876069	-0.08142	1.030837	2.095847	0.803645	0.781992	0.925791	1.614944
1.251676	1.040237	1.153705	1.034412	1.026319	1.45488	0.522991	0.064211	0.314591
0.933039	0.693812	0.780297	0.134147	-0.34985	1.204859	1.816291	1.608211	1.452634
2.020843	0.866744	1.391138	0.984175	NA	0.124244	1.790994	0.986471	1.141633
1.500641	-0.07483	1.174512	1.080915	0.10082	-0.19998	1.377175	1.119599	1.260016
0.989766	1.176174	1.44172	1.325465	0.650073	1.037135	NA	0.955592	1.056425
0.952251	0.837038	0.493261	1.421785	-0.12006	NA	1.254661	0.968336	1.248867
1.460866	1.628912	0.648121	0.688223	0.60684	1.082854	1.226432	0.939653	0.980709
1.276037	1.395089	0.818418	0.966634	0.352186	1.531296	1.557057	0.415479	1.028335
1.096254	1.911594	1.414557	0.860541	1.137508	NA	1.487835	0.776915	0.645395
0.823834	2.086567	0.895946	NA	0.550527	0.079306	1.198226	1.259319	1.078129
1.868729	1.014872	0.42507	0.520548	0.580298	1.817036	0.063554	0.943267	0.019977
1.583242	1.050067	0.838276	1.147339	1.092685	NA	0.474588	1.017489	0.890418
1.461752	1.244469	1.807963	0.64966	0.740798	1.286954	0.940762	1.120565	NA
0.504094	1.236301	-0.04909	0.793433	0.108304	1.884369	0.850681	0.977573	1.487194
0.907713	1.443132	1.458358	1.115103	0.864565	1.087465	NA	0.801816	0.488852
1.647693	1.481826	-0.05114	0.599356	0.013575	1.000757	2.660985	-0.18612	0.554599
1.233263	0.390211	0.886417	0.021418	0.456943	0.255575	1.544061	1.197886	0.977117
1.720096	1.182373	2.423491	1.182828	0.67629	0.833967	0.94035	1.412601	1.050564
1.008574	1.147775	1.598259	0.560945	0.490664	0.34784	NA	1.629303	0.831909
0.574279	0.592919	0.1624	0.571873	0.04341	-0.25088	1.895733	0.957545	1.189836
0.838479	2.054536	0.433708	0.626168	0.26138	1.81584	1.349083	1.168533	1.187965
1.103525	1.295025	0.641287	1.049429	0.694831	-0.45448	0.973611	0.948773	1.139959
0.961626	0.301383	0.437889	1.069568	0.072424	0.839566	1.636824	1.068913	1.074595
1.722161	1.393103	1.359814	0.758849	0.609735	NA	-0.13879	0.353327	NA
1.869297	0.683158	0.457471	0.253651	0.670224	1.300787	1.627946	1.380202	1.495873
0.018739	1.065022	0.417289	0.276279	0.732706	1.251846	0.724413	0.392396	0.848621
1.251882	0.340705	0.711423	0.338148	0.041813	0.133906	-0.23621	0.631577	0.240821
1.536179	0.722585	1.128082	1.261776	0.698041	2.196222	0.466433	0.584831	0.395007
1.219867	0.931276	1.300507	0.375325	0.654843	0.29658	1.275072	1.382817	1.136177
0.855645	1.723384	1.054431	0.57908	0.635892	1.279682	0.782898	0.936499	0.545313
1.436199	0.591174	2.419304	0.314198	-0.12648	0.621412	NA	1.535685	0.912872
1.231667	0.675719	0.288563	0.649247	0.585129	NA	1.111062	0.987475	0.888474
1.0059	0.978665	1.299042	-0.06957	0.357693	1.955841	0.929966	0.943765	0.880841
1.009179	1.288548	1.321479	0.674008	1.307202	0.432402	0.904646	NA	0.726068
0.576723	1.493073	1.031563	0.510332	0.102785	NA	1.1052	1.100893	1.011763
1.078098	0.916831	1.682746	1.067631	1.315877	NA	0.673598	0.848542	0.302886
1.654368	0.721121	1.018821	1.382436	0.9451	NA	0.450409	1.134338	0.687888
1.216108	1.343498	1.300968	1.420332	0.989739	-0.02797	1.245342	1.12631	0.922385
1.302351	0.910111	1.656803	1.393368	NA	0.86545	0.746037	0.825527	0.809486
0.814256	1.357301	0.408448	0.504995	0.783074	0.931436	-0.0107	0.245125	0.402483
0.705126	0.803429	1.126196	0.72136	0.266284	0.778331	0.847049	1.232316	0.84129
1.231495	0.992977	1.279403	1.030662	1.084692	0.234249	0.977473	1.038844	0.8931
2.123644	0.857067	1.107327	1.141454	0.187577	NA	0.976695	0.812468	0.863228
0.100676	1.016729	0.820504	1.145823	0.72339	1.213948	1.614898	0.987771	1.021188
0.551303	0.686954	0.950991	-0.11288	0.778241	-0.27987	1.285106	1.71654	0.777828
1.56447	0.920085	0.846524	NA	1.065744	1.055672	0.83958	0.793541	0.905309
1.235537	0.325315	1.005625	1.254467	0.803557	0.92826	1.026698	0.890995	0.996101
1.629072	-0.20374	0.785542	0.729668	-0.1163	0.273213	0.897955	0.986346	1.381098
1.949534	0.705238	1.458651	0.415731	0.626281	0.37969	0.694384	0.752473	0.621168
1.489155	1.576438	0.40944	NA	0.423284	0.458247	1.478316	1.015099	1.209869
1.237812	1.550322	0.2193	0.542868	0.350419	0.992153	1.266945	1.011833	1.068372

1.134546	1.509647	1.876789	1.082858	0.653169	1.292452	0.598163	1.180873	1.155165
0.569806	1.293317	1.617666	0.500224	0.32023	NA	0.694442	1.518198	0.848424
1.141148	1.10728	1.558698	1.082618	0.806439	0.436762	0.830866	0.801181	0.764873
0.983466	1.099127	1.590824	1.186003	1.954211	-0.19982	0.840803	0.801041	0.52111
1.335843	0.238903	1.704193	1.478733	1.074962	0.86815	2.02576	NA	0.791491
1.175315	0.602958	1.06309	1.416762	0.257399	1.059987	1.211067	0.847977	0.784707
1.02565	0.700338	0.66999	0.78964	0.392721	NA	0.980576	1.081944	0.861098
NA	0.913094	1.680904	1.431499	1.139167	0.580427	1.57752	0.7653	0.69392
1.029993	1.075715	-0.11312	0.748166	0.764472	NA	1.373345	0.628146	0.897305
1.642896	0.750704	2.154763	1.608313	-0.47658	0.748048	1.00013	1.349315	1.30475
1.421523	0.437344	1.007648	1.295149	0.661805	0.286269	0.940243	NA	0.885473
1.872515	-0.07352	1.528696	0.985436	0.690964	-0.49295	1.504537	0.717111	0.529282
1.113567	0.973666	1.959839	1.087366	0.63254	1.026429	0.875106	0.848168	NA
1.249889	1.493763	1.305529	1.100171	0.495711	0.478123	1.347737	0.74794	0.70235
0.846684	0.812022	0.582261	0.998877	0.656068	0.95161	NA	0.908265	0.543374
1.566233	0.504297	1.141422	0.825967	1.025672	0.164147	1.004123	1.456136	1.161362
1.283588	1.735181	1.227905	0.824356	1.115355	NA	0.433686	0.839876	1.034905
0.748707	1.066305	-0.11607	0.870868	-0.05398	1.209603	0.747484	0.870851	NA
1.384584	-0.00435	0.833006	1.367236	0.680244	0.111299	1.323985	0.961116	1.051672
NA	1.17384	0.087632	0.366586	-0.01722	0.584381	0.969438	1.3582	0.429323
1.442915	0.400685	0.762395	1.022696	0.97345	1.303569	0.900217	1.420285	0.856673
1.98917	0.024468	1.642168	1.063569	0.259413	0.907803	1.00364	1.059898	1.12045
0.66269	0.911983	1.088741	0.957034	1.130244	1.207902	1.785043	0.713135	0.747415
1.487399	1.255781	0.966357	0.466867	0.157361	1.306977	1.407525	0.981094	1.184199
1.143051	1.416602	1.195991	0.789386	1.108404	1.941722	0.267776	1.027827	0.884075
1.096588	0.628269	0.639336	1.631923	0.812443	0.570568	NA	0.233751	0.493248
0.69674	0.584391	0.843496	0.996328	0.955201	1.019557	0.834868	0.487385	0.639139
0.499423	0.517416	1.350604	1.131289	1.014655	0.786885	1.103961	1.061645	1.278169
1.370452	0.885243	0.845451	0.783431	0.561647	1.290143	1.226382	1.282084	0.955779
0.598984	0.734407	1.368185	1.178058	0.67305	1.026912	0.802441	0.806901	0.80569
0.604612	1.553792	1.619741	1.098576	0.887748	0.725362	0.714527	0.459549	0.802399
1.230966	0.775136	2.474568	0.355414	0.75656	NA	1.747997	0.799868	0.828512
1.088035	-0.19311	0.683749	0.875001	0.18362	0.234032	0.186663	1.01546	0.125366
-0.00262	0.443987	0.64756	0.54856	-0.08342	0.593723	0.647871	0.704894	2.047745
0.971416	0.542411	0.616794	1.087781	0.190013	NA	1.078989	0.572892	0.90768
1.440519	0.63118	1.09882	NA	1.415786	0.281302	1.42772	1.209071	1.182422
1.269497	1.009959	1.125983	1.239417	0.396412	1.582562	1.107875	1.013609	1.009018
1.369781	0.619682	1.346473	1.269292	1.311935	0.878851	0.812881	1.073069	0.441614
1.086494	1.302345	1.062471	0.539579	NA	0.348226	0.979034	1.258708	0.957868
-0.0888	0.810134	0.380911	1.814456	1.469533	1.29241	0.726363	-0.99115	1.361623
0.943826	-0.03317	1.334944	1.425185	0.69062	0.430824	0.452918	0.729486	1.005583
0.734538	0.340966	1.311643	1.582665	0.783654	0.624021	1.513251	1.187374	1.386243
0.983708	0.497849	1.026134	0.765264	0.128969	1.562759	1.34145	1.164447	1.179005
0.965968	0.704243	2.353763	0.667667	0.535918	0.554067	0.398849	1.121763	1.64992
1.93749	1.367923	0.539426	0.77519	0.514633	1.433322	0.605504	0.772708	1.21615
0.926907	0.516148	0.567314	1.615416	1.300145	0.163998	0.869359	0.88197	0.650177
0.931292	0.718011	1.175518	1.174496	0.296929	1.154264	0.951963	0.546142	0.503566
1.706024	0.451502	1.003787	0.886184	0.768493	0.34668	1.1863	1.997675	0.879009
0.796401	-0.14042	0.714372	0.743784	0.925021	-0.34716	1.02471	1.110654	1.205657
0.973404	1.45812	-0.51912	0.356604	1.150198	0.430228	1.574765	1.025887	0.801932
1.060511	0.929351	0.605121	NA	0.848312	-0.43075	1.285353	0.897538	1.124401
1.098008	0.794755	0.673906	0.869906	1.117717	0.22171	1.105237	1.019097	1.117478
1.414686	0.701595	1.677359	1.390961	1.429868	0.273048	1.010573	0.816801	0.382191
0.700591	1.635257	1.221618	0.543371	-0.58396	1.116294	1.439226	0.643907	0.823304
1.585983	1.047631	0.861589	0.611398	0.880866	0.653143	1.472119	0.991581	1.198548
1.657409	1.03089	1.662369	0.862534	1.176307	-0.1394	1.931317	0.721865	1.016454
1.497955	1.726875	2.071074	1.04383	0.866602	1.113826	0.453697	1.584706	0.514861
1.772349	1.562332	0.940097	1.091536	0.160349	1.643398	0.791568	0.628052	0.73039

-0.14963	1.792338	-0.3838	0.378612	1.115982	0.645348	0.687372	1.097752	0.966609
0.52732	0.467316	2.189672	0.551387	1.292848	1.08498	0.65464	-0.01974	0.654351
1.194476	1.318833	0.9371	0.806465	-0.00507	0.721893	1.057445	1.804499	0.906923
0.848876	0.845676	0.721934	0.542751	0.000771	NA	NA	1.238713	0.787758
0.403291	1.667289	0.3194	0.364535	1.334172	1.124459	0.467067	0.343019	0.168885
1.150629	0.629859	0.487016	0.977277	-0.28045	1.475698	1.863033	0.547538	0.941796
0.493104	1.198039	0.746681	0.887725	0.560883	1.318052	1.021618	NA	0.571251
0.91549	0.929517	1.413562	0.725239	0.600516	NA	0.894467	0.947085	0.611799
0.86996	0.358821	0.772721	0.979498	0.648529	0.632937	1.227937	1.46478	1.233533
0.839369	0.228166	0.2693	0.603296	-0.1444	1.499212	0.596627	0.634022	0.683057
0.757136	1.266559	0.705092	0.92795	0.639529	0.310189	0.587934	0.350262	0.567524
0.079511	1.032279	0.845472	0.32656	0.815726	0.534218	1.616965	1.256694	1.386245
1.732601	1.66843	1.139518	1.229145	0.808978	1.117299	-0.02519	0.578222	0.261011
0.533761	1.034405	2.02164	0.998489	1.261191	0.138688	1.383516	0.674726	0.675388
1.501083	1.172971	1.224441	0.655193	NA	0.172031	0.972787	0.747605	0.895724
0.711363	0.065249	0.664028	0.713116	1.087734	0.133907	1.016705	1.435622	0.918357
1.456899	0.911794	1.132252	0.580947	0.566521	1.152389	0.593409	0.828337	0.653913
0.366112	1.00793	0.490165	0.322891	0.154397	1.60841	2.586283	1.316605	0.675561
1.228136	0.779781	1.707372	0.865531	0.379333	1.23028	0.72661	0.416215	0.759052
0.388463	0.852456	1.326536	0.678434	1.229423	0.872092	1.892208	0.3932	1.012765
0.401447	0.847587	0.799297	-0.28005	1.092905	1.753561	1.545819	-0.5308	0.193846
2.445149	0.942819	1.453339	0.173003	0.655203	0.90082	1.006631	0.857869	0.724662
1.216525	0.088765	0.896006	1.002924	0.112862	0.152075	0.577112	0.647386	0.804768
0.92444	1.271116	0.750904	0.849418	1.064248	0.175035	1.045945	0.940535	0.914336
0.782751	0.350828	1.332572	NA	0.981568	1.089856	0.845928	NA	0.603889
2.252519	0.413467	1.975748	0.828132	0.72623	-0.23988	1.116312	0.839812	0.74676
1.495039	0.739469	1.644658	1.035328	0.918914	NA	1.033348	1.068137	0.79853
1.023603	1.944284	0.073952	NA	0.993327	0.508183	0.043635	0.76817	0.411585
1.174614	1.348255	1.118661	1.161301	0.78372	1.479211	0.689064	1.037791	0.828274
2.02848	0.929052	0.529724	1.458814	0.471964	1.579704	0.870358	0.217961	0.517402
0.667706	1.288732	0.767273	0.726956	0.314046	1.654926	0.925113	0.283099	0.396624
1.897602	0.72499	1.350854	1.292356	1.073189	0.384479	0.911616	1.030946	0.464653
0.719862	0.702987	0.299766	0.596491	0.410932	1.285636	0.918249	0.691776	0.830397
1.569081	0.579616	1.436077	0.727291	0.936007	0.462267	0.930349	1.101163	1.080908
1.139994	0.195033	0.308685	0.949157	0.370952	0.38177	0.479898	0.386022	0.61486
0.977885	0.641969	1.063738	0.406165	0.299685	0.529342	1.061735	1.26487	1.150723
1.02901	0.794063	0.946177	0.941855	1.239815	0.260393	0.816379	0.249141	0.73907
0.959844	1.043721	1.024193	0.575061	0.662093	0.933768	1.137091	0.668684	0.616363
1.008667	1.067513	1.344303	NA	0.43554	0.560586	1.020429	1.74993	0.723312
1.143976	1.173498	1.569482	1.037455	1.10164	0.375168	0.989282	0.688562	0.587415
0.831872	1.119417	0.5835	0.598519	0.789126	0.525873	1.32675	1.1238	1.136848
1.323181	1.187408	1.404993	NA	1.397294	0.083607	1.056806	0.807168	0.454346
0.956307	0.784681	0.867091	1.354216	0.782228	1.101307	-0.00324	0.696681	0.683305
0.680829	-0.07226	0.839203	0.953523	0.316731	1.006028	0.780346	0.386748	0.381991
0.631276	0.402544	0.652915	0.822844	0.649434	0.453314	1.070597	0.982912	0.447772
0.674076	1.134399	0.936338	-0.16218	0.606814	0.220957	0.888628	NA	0.222244
1.591245	0.494791	1.02395	0.782597	1.115223	1.09729	0.503721	0.789501	1.061267
1.677913	0.414598	0.813112	0.739023	0.281704	0.829497	0.97947	0.998038	0.615701
0.761375	1.790611	0.624728	0.510021	0.131255	0.434736	1.57231	0.315508	0.726653
0.489553	0.686916	0.606235	0.531564	0.442449	0.672419	0.882015	0.470239	0.572623
0.734049	1.643838	0.665113	0.486829	0.537971	0.124981	1.693733	1.224124	0.974919
1.988602	0.262021	1.250394	1.0468	0.567224	0.365245	-0.08167	0.41415	0.35227
0.588411	0.171589	0.699484	0.900578	-0.2493	0.344633	1.206279	NA	0.842316
1.175292	1.116032	1.446345	0.681687	0.149907	0.589808	0.499499	0.697379	0.606926
1.143838	1.556836	0.784317	0.831215	0.445647	1.323038	0.653742	0.509402	0.607887
1.814026	0.855612	0.934692	NA	0.425974	0.637053	0.836081	NA	0.558043
0.525508	1.678227	0.899739	NA	0.356321	1.428948	0.575188	0.636277	1.165604
1.286226	0.656384	1.11642	1.100862	0.465223	0.803064	0.842309	0.611236	0.727044

0.578903	0.795982	1.351805	0.796539	0.909619	0.904527	1.900569	0.528349	0.983215
1.208588	1.258214	0.847485	0.695123	0.964339	1.219789	0.422527	0.482987	0.222085
1.387483	1.408624	1.595897	NA	0.404277	-0.04832	0.731915	NA	0.754114
1.193553	0.990362	0.802701	1.311425	1.003413	1.328083	0.501096	0.229229	0.370134
0.76293	NA	1.030516	0.829872	1.002253	-0.01927	1.554395	1.189091	1.026293
0.6671	1.222121	0.804088	0.84939	0.199062	0.204225	0.708674	0.904761	0.461641
2.097349	0.451749	1.180516	0.643455	0.537648	-0.25075	0.587144	0.931129	0.770074
1.362301	0.456909	1.005937	NA	0.921953	0.600656	0.466255	0.625712	0.555693
0.274002	1.614197	0.896784	0.520701	0.475648	NA	0.924087	0.766729	1.142289
1.306608	1.292491	1.648567	1.107656	0.789174	-0.10313	1.524233	0.839852	NA
0.82996	1.167683	0.610587	0.72211	0.400507	0.810915	1.194496	0.454788	0.960828
0.989218	0.765025	0.691964	0.711221	0.771042	-0.37093	1.069103	1.19041	1.127911
1.209194	0.521662	1.121556	0.9265	1.278616	-0.07982	1.011054	0.728921	0.686465
0.472674	0.283295	1.000257	1.107599	2.129673	1.511001	1.086554	0.929003	0.844619
0.84516	0.63976	1.836703	0.701239	0.191196	0.757408	0.595859	0.598853	0.584572
0.7537	1.335246	0.323978	0.431629	1.170315	0.433035	0.957477	0.969606	0.923423
1.224165	1.668448	-0.0019	0.180316	1.993021	0.709877	0.727238	0.082241	0.148844
1.341312	1.627313	1.411298	0.844682	0.62366	1.048186	0.771743	0.621383	0.51301
1.411077	1.084604	1.25392	1.22953	1.164164	NA	0.428331	0.673229	0.647258
0.949916	1.07385	1.126384	0.743739	0.539048	0.635059	0.978108	1.093701	0.405923
1.067399	1.049562	1.142709	0.523203	0.476255	1.411398	0.541804	0.470439	0.529104
1.443586	-0.6334	0.604492	NA	0.160402	0.345599	1.835533	1.528687	1.348622
1.041685	1.250232	1.237291	0.431726	0.251194	1.089249	0.931101	0.947916	0.701707
1.352453	0.70373	1.150472	1.041814	0.647004	0.305341	1.382201	1.444147	0.320773
0.384628	0.662897	0.7413	NA	0.602286	0.648202	0.958228	1.438567	0.719738
0.687658	0.63551	0.542592	0.472497	-0.09506	1.189219	1.076844	NA	0.803763
0.296353	0.700722	-0.24269	0.789157	-0.08045	0.589676	1.593961	0.270021	0.690381
0.251809	1.274568	2.081334	0.512962	0.099454	1.610513	NA	0.125356	0.461425
0.675504	1.187631	0.522001	0.981773	0.45349	0.942202	0.347089	0.952274	0.367431
0.118359	-0.0903	0.497684	0.678986	0.105437	0.963187	1.012898	0.427267	1.198398
2.693278	1.083663	1.186482	0.565874	0.77022	0.341513	-0.57598	0.604722	0.877625
0.381268	1.254299	0.041274	1.313049	1.870893	-0.45683	1.290844	0.656264	0.607956
0.892303	0.483888	0.533141	0.473009	0.843865	0.666604	1.222661	1.171739	1.158109
1.937706	0.863971	0.854606	1.843691	1.292699	1.002732	1.288241	0.360311	0.485315
0.643715	0.870674	1.106122	0.342391	0.433106	1.392625	0.356591	1.092696	1.409026
1.11754	0.701625	0.395081	0.0469	0.548751	0.362502	1.231053	1.315065	0.817047
0.857757	1.194465	1.603257	0.788538	0.533636	1.094048	0.921716	0.771419	0.8589
1.604472	0.675013	0.533045	1.323267	0.719769	NA	1.541966	0.181329	0.684373
1.578701	1.035372	0.814339	0.229335	0.14109	1.091259	0.769479	0.898977	0.801478
0.863599	0.349743	0.474627	NA	0.87877	0.957388	0.496756	0.903335	0.65554
1.203185	0.692735	1.066009	1.174972	1.25815	1.217462	0.771937	1.294253	1.067655
0.824332	0.716998	0.35767	0.437861	0.857247	0.955569	0.957137	0.244412	0.415208
1.503857	0.912124	1.228373	0.650198	0.938768	0.355668	0.528574	1.431166	0.545606
0.987327	1.273928	-0.54051	0.238015	0.572432	0.434289	0.890318	0.698667	0.584094
1.569341	NA	1.213509	0.665326	0.769754	0.624387	1.01035	0.826466	1.094022
0.839776	0.614685	0.488907	0.476164	0.339854	NA	NA	0.970994	NA
0.824108	1.107475	0.766583	0.850477	0.458506	0.233392	NA	1.182699	1.198304
1.640103	0.500141	1.06089	0.363777	0.570895	-0.34084	1.542558	1.429533	0.935367
0.71876	0.759713	1.076584	1.002559	0.425796	-0.31107	0.581989	0.296622	0.567862
1.028236	0.319514	1.325987	0.827836	0.090639	0.990866	0.597767	1.215998	1.049003
1.095788	1.164857	1.056808	0.707782	0.854554	0.760459	0.91761	0.485398	0.575774
1.03923	0.909349	1.24482	0.767155	0.990218	0.529035	0.57297	0.627847	0.38581
0.667033	1.51092	0.582241	-0.34369	0.353292	0.826496	0.674189	0.816558	0.41298
0.495411	0.199832	0.620425	0.360008	0.178626	1.050797	1.084866	0.322256	0.588637
1.184035	0.517276	0.350928	1.818049	0.060543	0.664735	0.319583	0.138394	0.041594
0.595855	1.477587	0.719266	0.917003	1.383645	0.652108	0.55958	0.669529	0.621255
1.135944	1.035032	1.083885	0.844301	0.215486	0.97902	0.953695	0.727107	0.880865
0.671292	0.585478	1.012621	0.464628	0.254893	NA	1.27526	0.58574	1.278622

1.070419	1.3125	1.024094	0.685883	0.935755	0.841665	0.594426	0.755589	0.326461
1.3743	1.23951	0.588051	0.26767	1.343998	0.049808	-0.2222	0.692356	0.612377
0.676768	1.264892	1.155857	0.951589	0.427763	1.135022	1.091804	0.307692	0.532042
1.326389	1.244953	1.29285	1.139136	0.119239	NA	0.107751	0.146559	0.358602
1.106457	0.502953	0.95642	NA	0.811544	0.037427	1.63852	1.611908	1.032248
0.670708	0.329454	1.441383	1.176594	0.294705	-0.14967	1.321193	0.817763	0.949314
1.205191	0.717796	0.576569	0.375233	-0.09218	0.145646	1.337579	0.692442	0.811263
0.972685	1.401748	0.586833	0.794718	0.50425	-0.01558	0.421048	-0.49926	0.855964
0.07215	1.879452	-0.07522	0.232841	1.425556	0.481396	-0.29134	0.250873	0.429454
0.60957	1.530779	0.324249	0.405615	0.809617	-0.45161	1.827846	0.372736	0.710289
0.741547	1.194888	1.042569	1.376227	1.359794	0.895918	0.421093	1.126586	0.605774
0.374878	0.602933	0.964984	0.221877	1.138199	0.338912	1.393216	0.311557	0.986859
0.86462	0.653288	1.005455	0.567508	0.980234	-0.26787	0.84212	0.874075	0.619506
0.83155	0.522302	0.312732	0.701537	0.010955	NA	0.691096	0.882651	0.874923
0.492219	0.183459	0.525675	1.254261	0.188553	-0.26434	0.74823	0.589848	0.386667
1.034929	0.398255	0.487481	1.079813	-0.02666	0.627094	0.906157	0.759548	0.932358
0.650063	0.665816	0.883387	0.278603	0.937805	1.218514	1.16182	0.634296	0.550053
1.38418	0.865728	2.170092	0.784293	1.117778	0.4566	0.910675	0.026915	0.452096
0.786084	0.667266	0.65589	0.558337	0.565706	0.769018	0.740867	NA	0.764698
0.758677	1.089824	0.517127	0.825743	0.320404	0.658774	0.846266	1.133193	1.154671
1.359151	0.490426	1.74907	0.767258	0.745951	0.219338	0.374335	0.843109	1.086946
1.047016	0.717631	0.87923	0.622101	0.094861	NA	0.320543	0.976824	0.625538
0.225876	0.741171	0.307661	0.290106	-0.21344	0.44673	0.772299	0.373543	0.260544
1.224135	0.413554	1.124353	1.119528	0.824279	0.448923	1.041205	0.988643	0.779437
0.56801	0.949675	0.06348	0.480149	1.11783	1.397232	0.125412	1.269832	0.530718
0.8202	1.115086	0.283027	1.091211	0.87022	0.955586	0.632177	0.611009	NA
NA	1.00677	0.66861	0.904709	0.964299	0.31718	0.597807	NA	0.557144
0.908642	0.606751	1.080249	0.91535	0.947266	1.321858	0.894638	0.463831	0.436669
1.575818	0.527805	1.229059	1.071523	0.916291	0.394648	1.027851	1.217704	0.711646
0.779896	1.419494	0.161215	0.171519	0.209562	1.04211	1.147021	0.900111	0.62318
0.790513	1.154929	0.592467	1.063107	0.577267	1.221824	0.879104	0.247521	0.379873
1.134992	NA	0.990102	1.080235	1.09965	0.640992	0.907362	0.693859	0.395432
1.80153	0.514122	1.245831	1.113534	1.11047	NA	1.643757	0.329582	0.329342
0.781553	0.986439	1.292994	0.28163	0.990106	0.133583	0.2219	0.760848	0.465272
0.92331	0.826235	0.457707	1.172835	0.086007	1.307252	0.295091	0.83192	1.247656
0.506501	1.420678	1.11907	1.111521	0.680032	0.794249	0.94282	NA	0.413728
-0.10833	0.960595	0.175089	0.673411	-0.00958	0.589465	NA	0.821835	0.844529
1.126896	1.020413	0.625668	NA	0.650322	0.515331	1.897114	1.434983	1.215454
0.150708	NA	1.234043	0.719914	0.563387	-0.59928	1.290422	1.078409	0.870397
0.544328	1.351335	0.395964	0.662621	1.098065	-0.1158	1.821419	0.854977	0.767793
1.168868	0.710733	1.08513	0.655692	0.77147	0.655828	0.490705	0.676608	0.332622
0.731656	0.809099	0.337469	1.105653	0.405288	-0.18271	0.319933	0.01497	0.147949
1.272473	1.035161	0.566598	0.588342	-0.2495	-0.24929	0.88817	0.600703	0.920201
0.703101	1.043396	1.355885	0.272172	-0.26062	0.670943	0.310665	0.985694	0.462323
0.825939	0.531381	0.975157	1.361644	1.182751	-0.24598	0.762912	NA	0.535398
1.398224	1.477711	1.106503	0.796446	0.712109	NA	0.727087	1.10778	1.007176
0.645536	1.548139	-0.00623	0.633667	0.729713	1.164563	0.620691	0.949729	0.927842
0.317948	0.376012	0.790123	0.852177	-0.01848	0.965186	0.765802	0.866864	0.890244
1.321885	0.249665	1.231145	1.139313	0.270994	0.932916	0.5945	0.815408	1.291836
0.718668	1.378853	0.671408	0.371615	0.338989	0.819054	1.099523	NA	0.532953
0.990587	0.380208	0.453261	0.592437	0.106176	0.886189	1.301139	NA	0.592523
0.564984	0.332119	0.88955	0.746828	0.790877	0.679913	1.37168	0.317748	0.890174
1.267565	0.872296	0.650516	0.554569	0.661358	0.055153	0.365555	0.455488	NA
-0.34865	0.260241	0.460328	NA	-0.66314	1.063926	0.449783	1.513624	0.793829
0.118981	1.343088	0.111727	0.300427	0.245481	1.902806	0.219045	0.658922	0.190727
NA	0.815442	0.652825	0.820063	0.495862	0.691325	0.99363	0.24018	0.879962
1.039012	0.375449	0.814857	0.781076	0.018703	0.503348	0.475002	0.468501	0.280634
0.825835	-0.13575	0.95752	0.828942	0.050992	0.961424	0.253808	1.244098	0.465619

0.82761	1.10562	1.156805	0.846105	0.100284	0.401433	0.73399	0.201016	0.192218
0.979528	0.79547	1.041407	0.826443	0.230297	-0.18279	1.015758	0.555203	0.739355
1.33566	0.935275	NA	0.794992	0.630833	0.670163	0.449341	0.478784	0.765783
1.580574	1.233115	1.210772	0.718231	-0.29386	0.672786	1.126141	1.330698	0.560552
1.076742	-0.1347	0.498108	1.152267	0.858057	NA	0.363142	0.733427	0.611499
0.708451	0.508152	0.348401	0.544993	0.762079	0.390505	0.717676	0.430582	0.459274
0.838772	0.080152	1.408077	0.640046	0.161183	0.5729	1.727906	1.007797	1.037777
0.937648	0.692829	0.106833	0.915276	0.616602	-0.13473	0.992514	0.452439	0.192369
0.627859	0.6652	1.109716	0.332829	0.310074	0.101254	0.441019	0.258338	0.569773
1.061616	0.642794	0.882667	0.952346	0.691236	0.348634	1.774195	0.445263	0.654274
0.782399	0.921115	0.539561	NA	0.772139	0.438285	0.481618	0.232782	0.414048
0.809578	0.695621	0.838409	0.804063	0.940906	NA	0.617731	0.53171	0.558535
1.358137	1.225183	1.186264	1.168548	0.580947	0.414495	0.133587	0.388272	0.186928
0.528519	1.019664	0.707637	0.620296	-0.16397	0.424637	0.316861	0.276268	0.563781
0.732355	1.119315	0.305434	0.621249	0.120145	1.11091	0.74483	0.667819	0.554273
0.377417	0.608729	0.730005	NA	0.582175	0.702708	0.387755	0.522614	0.259107
0.866497	0.797412	1.169115	0.814802	0.469137	NA	1.411241	0.679769	0.246242
0.090622	1.460097	1.454386	0.503586	0.93813	0.531454	0.890165	0.670127	0.496487
1.002304	1.052844	1.018831	0.897737	0.602985	0.858684	0.408316	0.428715	0.268178
1.259164	0.945807	0.913985	0.449262	0.637759	0.465764	0.672533	1.163194	0.86619
1.376861	1.126387	1.404993	1.052642	0.169328	NA	0.159061	0.566259	0.226281
0.849824	1.108939	0.628293	0.327201	0.257311	0.846402	-0.09179	0.292331	0.585436
0.498167	1.095063	0.743469	NA	0.169513	0.315859	0.441704	0.398863	0.373069
0.982221	0.802746	1.340233	1.134915	0.30094	0.141373	0.47327	0.754078	0.411127
1.020946	0.943917	0.801617	0.348638	0.689099	0.817191	0.425621	1.118682	0.826559
1.017941	1.118764	1.226861	0.136496	0.84212	0.434471	0.801996	0.873757	0.836458
1.393206	0.37994	1.287862	0.90513	0.493846	0.752101	0.233795	0.721705	0.40357
0.413993	0.834311	0.855016	-0.23675	0.345896	0.551427	0.563867	0.358824	0.531456
0.841271	1.133054	0.746445	0.553916	0.901236	0.062374	-0.02294	0.33436	0.205736
1.142271	0.593382	1.274623	0.979338	0.275589	0.666237	0.266411	0.125195	0.343596
1.307447	1.146089	0.936461	0.678381	0.558824	0.765802	0.616381	0.784394	0.679505
0.666274	0.304381	1.199343	0.352625	-0.13402	0.806116	0.19932	0.486195	0.675276
1.327144	0.820817	1.116146	NA	0.115371	0.400759	0.096031	0.522924	0.221586
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0.030785	-0.80293	-0.60993	-0.84733	-0.19191	-1.35188	-0.41786	-0.01866	-0.41318
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-0.50814	-1.11444	-0.50385	-0.3978	-0.53092	-0.45119	-0.91446	-0.48045	-0.41307
-0.59962	-0.35492	-0.12048	-0.35359	0.025971	-0.6832	-1.08946	-0.92541	-0.89121
-0.79071	-0.86711	-0.35652	-0.54083	-0.18445	-0.68161	-1.15468	-0.63939	-0.66691
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-1.15441	-0.17099	-0.78357	-0.81211	-0.87751	-0.18657	-0.45124	-0.54128	-0.46135
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-0.48487	-0.9851	-0.61523	-0.06624	-0.6642	-0.09105	-1.07986	-0.87899	-0.93757
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0.363287	-0.43532	-0.10574	-0.88871	-0.27158	-0.03147	-0.5156	-0.8941	-0.28731
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-0.63038	-0.8852	0.034912	-0.31102	-0.58553	-0.41465	-0.53424	-1.05589	-0.75268
0.187778	-0.8079	-0.20847	-1.07702	-0.38769	-1.1705	-0.8629	-0.46286	-0.56463
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0.146734	0.047797	-0.55743	-0.51673	-0.37909	-0.45788	-1.10781	-0.70627	-0.99064
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0.144754	-1.12021	-0.57098	-0.24936	-0.42674	-0.31682	-1.31862	-1.34563	-1.04992
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0.210759	-1.20688	0.027034	-0.05913	-0.01593	-0.51717	-0.96396	-0.89107	-1.19073
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0.052945	-1.32838	-0.36738	-0.24236	-0.06137	-1.34261	-1.22015	-0.47366	-1.45005
0.208275	-0.57038	-0.20835	-0.04792	-0.37667	0.244516	-1.78288	-1.31451	-1.36296
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0.190158	-1.30224	0.267474	NA	-0.78158	-0.44926	-1.17487	-0.71651	-0.94478
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-1.11118	-0.96638	-1.88365	NA	-0.66256	-0.50533	-0.73454	NA	-0.77437
-0.66174	-0.93326	-1.13357	-0.8063	-0.71623	-0.85645	-0.86413	-0.31542	-0.40506
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0.23125	-1.44203	-0.21547	NA	-0.03535	-1.20829	-1.35729	-0.6554	-1.2764
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-1.31483	-1.06166	-0.60699	-0.6247	-0.83337	-0.38486	0.116901	-0.05321	-0.16734
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-0.41596	-1.4761	-0.9805	-0.85374	-1.06	0.155702	-0.74823	-0.57438	-1.00132
NA	-1.35723	-1.29408	-0.83582	-0.05308	-0.324	0.457775	NA	-1.82333
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0.151177	-2.10907	-0.46175	-0.20097	-0.27223	NA	-0.98081	-0.59144	-1.24653
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0.095301	-1.28721	-0.18521	-0.35351	-0.05188	-0.08408	-1.46082	-1.22272	-2.1003
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NA	-0.74241	-0.09507	-1.69955	0.049786	-0.70283	-0.76459	NA	-1.21711
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NA	0.109996	-1.10886	-1.31957	-1.74039	-0.70126	-0.68758	NA	-0.99041
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NA	-2.30338	-1.19248	-1.22296	-1.55652	-1.83062	-0.70189	-0.66212	-0.47309
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0.009981	-1.86937	-0.44208	-0.87877	-0.82551	-1.6489	-1.17458	-1.39652	-1.91963
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0.23473	-1.04762	-1.03252	NA	0.001655	-1.74451	-2.32326	-2.11942	-3.31373
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-1.2041	-2.50817	-0.181	-2.83555	-0.63878	-1.52735	-2.25502	-0.9122	-2.47777
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-2.25388	-3.31631	-2.57191	-2.16211	-2.38452	-1.88937	-2.34862	-3.7619	-2.89908
-3.27751	-3.60117	-3.89293	-0.81903	-2.20302	-1.94837	-3.06214	-3.30137	-3.25922
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-1.39842	-3.17525	-2.14683	-3.31626	-2.39585	-2.0919	-2.5373	-3.42205	-4.57266
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-2.54003	-2.2523	-2.53586	-2.18014	-1.96138	-2.26851	-3.30317	-3.8841	-3.67734
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-3.96129	-3.71153	-3.86186	-2.52705	-1.77226	-2.10256	-3.23857	-3.23625	-3.30772
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-2.93945	-5.231	-2.14177	-2.39053	-3.17912	-2.09667	-4.71834	-4.0106	-4.67513
-4.65177	-4.41	-3.45238	-4.12086	-0.38953	-2.58225	-4.81627	-4.62155	-4.8135
-3.56069	-4.87238	-1.81652	-3.01904	-3.76023	-2.38813	NA	-4.78161	-4.33169
-3.93356	-4.34473	-4.39337	-2.40634	-2.11166	-3.54674	-3.72983	-4.34738	-3.96488
-3.56367	-3.3639	-1.99339	-2.97658	-0.6642	-2.3371	-5.40303	-4.81059	-5.82039
-3.40824	-4.60813	-2.72673	-2.95122	-3.57041	-3.16018	-4.94464	-5.48244	-4.94061
-4.11505	-3.4029	-3.54871	-3.06419	-1.90345	-3.7943	-3.27576	-0.66949	-4.17275

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-2.7369	-2.28486	-2.22898	-2.28785	-2.89161	-2.39627	-4.22724	-2.49654	-3.07773
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-3.68242	-6.23233	-5.22681	-3.79866	-4.94198	-5.9019	-0.51696	-0.22163	-1.13963
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-4.50879	-4.36421	-3.75347	-4.01266	1.990789	-0.17208	-5.40218	-4.5334	-4.84915
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-4.94447	-5.75764	-4.17638	-3.89559	-4.29063	-1.46562	-5.68027	-3.03678	-5.26229
NA	-4.13628	-6.3411	-2.78272	-3.68638	-2.11768	-3.91177	-4.28867	-4.49273
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NA	-3.39261	-3.09383	-3.14048	-2.91809	-4.03782	-1.25338	-5.30267	-2.45265
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-4.88525	-8.35578	-4.2061	NA	-4.80892	-4.16105	-7.04347	-6.17434	-6.97205
-6.20599	-7.27365	-5.50059	-5.51191	-6.48209	-3.15954	-7.53554	-6.95248	-7.10105

-6.53402	-6.74836	-6.13568	-4.77335	-4.5931	-4.27921	-7.3656	-7.49404	-6.54153
-4.91387	-7.24865	-4.14393	-4.63734	-4.65055	-5.95967	-7.44194	-6.85662	-7.51465
-7.30356	-6.7513	-6.8943	-6.67412	-3.85348	-3.78089	-6.92656	-5.11583	-6.52131
-6.80508	-8.61999	-5.43389	NA	-5.0211	-4.30625	-7.67735	-7.02952	-7.71611
-7.31603	-8.46469	-6.51423	-6.47823	-5.95396	-3.48457	-8.02725	-7.22518	-5.62403
-6.8973	-4.80546	-6.00377	-7.13648	-5.15356	-3.56511	-7.34233	-7.2798	-5.6709
-7.20715	-5.42385	-6.41657	-7.31772	-5.71699	-4.24703	-7.63806	-9.13623	-6.33277
-6.77617	-6.8526	-7.18957	-5.607	-3.93412	-2.98399	-5.76158	-6.69766	-6.45031
-5.7482	-6.9429	-5.23277	-5.26787	NA	-4.53794	-7.78268	-7.23557	-7.79244
-6.50878	-7.21014	-6.70735	NA	-3.05531	-3.62643	-6.45649	-7.33696	-6.76753
-7.40008	-7.46024	-7.40814	NA	-2.49084	-2.8783	-6.6631	-6.93011	NA
-5.88208	-4.73389	-7.08043	-6.3166	-5.62543	-4.6204	-7.40923	-7.12976	-6.94361
-8.45091	-8.30047	-6.80789	-6.36039	-5.62855	-3.03375	-7.42804	-6.95283	-5.8508
-5.88176	-9.08877	-7.14877	-5.70833	-3.9863	-4.92388	-6.00181	-6.87186	-6.00548
-7.5211	-7.26427	-7.35269	-6.99846	-6.5969	-6.12011	-8.05595	-7.82771	-7.20183
-8.34895	-9.24134	-8.08414	-3.59189	-3.27602	-4.86033	-8.28837	-8.42829	-8.02331
-8.55019	-6.99032	-8.1309	-7.99362	-5.24834	-2.81251	-8.34772	-5.19495	-8.38978
-9.10877	-8.77893	-8.71002	-6.51199	-4.85796	-4.84944	-8.62124	-9.11752	-8.69872
-8.29584	-8.6119	-7.91995	-7.98495	-3.65737	-4.67887	-9.12016	-8.40011	-9.22545

GSM1398!	GSM1398!	GSM1398!	GSM1398!	GSM1398!	GSM1398!	GSM1398!	GSM1398!	GSM1398!
7.955785	8.269541	8.647278	8.128629	7.607103	8.085202	6.693237	7.967247	7.51981
7.113898	6.569795	6.28693	2.091457	6.202555	6.467778	6.473149	6.108783	5.028504
6.580693	6.4874	6.879639	6.757504	6.539466	7.0266	7.15264	6.054835	6.01002
5.09154	5.050714	5.202965	5.364466	5.307537	5.461862	5.481075	4.528458	4.841002
5.125152	7.078708	7.297335	6.8899	6.821878	7.022222	6.820263	6.748713	5.553128
6.651117	6.455433	6.622334	7.317133	4.950266	6.067603	6.455682	6.197678	5.087401
5.869024	5.726587	7.003578	6.102563	5.820616	7.495446	4.255173	6.948287	5.584355
7.506001	6.795692	7.183274	6.580595	6.559588	6.734748	6.613456	6.550558	6.371481
4.95506	5.933281	5.582776	5.71307	5.405079	6.352982	6.39949	4.615919	5.221803
5.832944	5.174071	5.613944	4.83675	5.685225	5.644999	6.114761	4.941469	4.803329
6.099432	5.928602	4.645398	6.217961	4.524884	5.958106	4.338573	6.334166	5.163928
5.393381	6.454831	3.99668	6.38005	5.359073	6.298206	4.475372	6.129528	4.45062
4.809339	6.566911	4.326883	5.963546	5.785043	5.36183	3.687857	6.035403	3.901299
4.124972	5.022968	3.930203	6.163887	5.331454	5.766677	4.115047	4.702164	4.870163
5.11788	5.070534	5.328357	5.158751	NA	5.203411	5.292644	4.696774	4.985316
4.914556	5.093005	4.192894	5.070655	4.4424	4.776012	5.518124	4.978979	5.156856
4.908112	5.476107	4.099444	6.455731	4.866539	5.724114	4.0713	6.254242	5.084792
5.08036	4.815519	4.984564	4.888545	4.520651	5.196363	4.623539	4.007761	3.662515
9.421386	9.362317	8.395274	6.818824	5.963352	8.973567	8.495555	6.657295	4.145365
0.481259	5.732915	8.14286	4.799078	3.831523	4.584568	8.232559	1.051785	6.655408
4.771918	5.258906	4.449768	6.456136	5.031246	5.046394	3.920683	4.597397	3.853978
0.455126	0.20654	5.192527	1.836943	6.29074	0.938087	6.946524	6.124035	3.442416
5.49932	5.055303	5.195307	5.242147	4.837595	5.558951	5.187478	4.344737	3.23034
5.331078	4.926349	4.542963	6.481631	4.172007	2.789077	4.71105	5.820652	5.744267
4.456841	5.129219	3.183541	5.014239	4.265039	4.551732	2.814164	5.693156	4.956204
NA	NA	2.567224	3.117159	4.735117	4.661647	4.745367	4.56927	3.428497
6.140847	5.500401	5.677207	0.496244	4.976076	5.81075	4.292279	4.900144	4.678359
3.384095	4.719958	4.584226	4.361144	4.4542	4.340776	4.6305	4.185714	4.230583
5.169559	4.964096	5.365424	5.308459	4.841961	5.357672	5.641476	4.491318	4.330579
3.748819	4.145484	4.3478	4.433206	3.928415	4.344946	NA	4.098596	4.074136
7.985359	7.004032	5.568102	6.693607	4.638022	5.115342	4.135179	7.559214	2.815309
2.039386	6.344779	6.978974	4.097467	6.006669	6.0192	7.072321	5.672823	2.607007
3.607053	4.419798	3.404791	4.538109	4.185915	4.707755	3.331434	4.772586	5.147899
4.173049	4.928835	3.801641	5.208461	4.755482	4.366599	3.63638	5.408274	3.940836
NA	4.504578	3.71849	5.16046	3.378877	4.776429	3.600684	4.468039	3.790689
7.829041	4.933148	6.128619	5.117691	6.582641	6.342707	NA	5.519095	4.897439
4.544234	4.75247	3.588559	4.4834	3.944364	4.858911	3.518636	4.58725	4.414547
4.972132	4.94186	5.132882	5.530821	5.330379	5.237109	3.637974	5.220362	4.965847
4.784047	4.369478	4.232523	4.73327	4.854938	5.058697	5.471336	3.982531	5.092368
6.658045	5.911887	6.150458	3.42295	5.967727	6.335302	4.793542	5.691224	2.046771
4.463536	4.115986	4.23602	4.991683	5.173893	4.674859	4.984842	4.0248	3.920229
4.548092	4.804143	5.343011	-0.62589	4.136543	5.140805	4.745069	4.573654	2.540226
4.112203	4.8115	2.975998	5.876366	4.05592	4.7839	3.169942	4.771006	4.382779
4.98966	4.111774	4.92356	6.303704	3.548097	5.543845	3.420209	5.900737	2.141153
2.198304	5.339142	6.28818	5.775286	4.857025	4.481245	5.70938	4.92249	4.72931
2.233705	4.709326	3.454634	4.857911	3.077088	3.230539	4.202228	4.451928	5.378365
5.93767	5.838514	6.17475	2.488496	4.754796	5.568525	NA	3.749594	4.978597
4.890404	5.022577	4.137746	6.010175	3.729554	5.05448	3.952463	NA	5.454349
4.958545	4.776443	NA	5.445869	3.835918	5.191182	5.274616	4.070635	4.039857
4.551163	4.645805	3.937181	5.285533	3.880876	4.779216	3.644924	4.829879	4.045062
3.251996	4.725662	2.530034	5.200489	4.52292	5.245416	2.841574	4.88961	4.451207
5.027086	4.567083	5.092627	3.976779	3.45984	5.072181	4.592534	4.311278	3.555579
4.460322	3.917541	3.81104	5.184714	3.634527	4.382727	2.744085	4.643413	3.422709
3.991354	4.081652	3.306606	4.724303	3.801756	3.822272	3.243156	4.703215	4.534137
4.482276	4.622925	3.955376	4.56723	4.227873	4.60676	3.981673	4.214449	3.507407
3.217466	3.934439	3.166144	5.287196	3.712781	4.60763	2.718242	4.169991	5.666544
NA	0.809303	1.297003	7.043641	5.105464	6.086511	NA	4.674035	6.334516

NA	NA	3.430707	4.439212	3.596626	4.118206	2.894812	3.774124	3.841703
4.823208	5.929524	3.127872	5.314259	2.7943	4.860824	3.231659	4.563614	2.23431
3.133401	3.671936	2.949143	3.735329	1.547124	4.190558	4.66767	3.877742	2.490902
NA	4.312801	3.716951	5.780925	-0.08283	4.787703	5.075592	4.649213	3.27851
4.495137	4.817593	1.526248	6.328511	2.434404	3.962198	4.710427	5.106747	5.028024
2.229771	4.166982	3.433027	4.186042	3.407736	4.415984	4.813163	4.254355	4.826055
2.183377	4.845967	3.37186	3.679565	4.191754	4.278001	3.596824	4.14644	3.453899
3.665859	3.907985	3.21435	4.235858	3.5151	4.131918	3.376484	3.597883	3.541973
4.441133	4.566199	3.657091	4.508439	4.077969	4.621349	3.506995	4.602677	4.283577
5.130804	3.906407	4.850911	1.536385	4.361964	4.524069	NA	2.416203	4.039014
4.480575	3.944272	2.134677	5.522815	4.6929	4.566748	2.331274	4.921695	3.784141
3.794196	3.116241	3.89721	3.697286	3.247682	3.631345	4.021002	3.329021	3.426025
4.917386	4.633098	4.956707	4.959934	4.355796	5.050515	5.081137	4.028496	4.52299
5.744011	4.861586	4.856363	4.500476	3.916976	5.898057	5.646461	4.411274	5.218543
3.531192	3.517773	NA	3.16978	2.56897	3.034012	3.733232	2.898249	3.444022
3.798873	3.31298	3.740434	5.121694	3.453509	5.264055	4.015932	2.655782	4.161947
4.701632	4.073392	4.469491	5.372009	3.00248	3.994257	3.941338	3.619416	3.876919
3.923174	3.82497	3.194645	3.858729	3.01925	3.907977	3.379912	3.508061	3.521125
3.751544	3.569028	3.620159	4.068181	2.802428	3.714182	2.538097	4.13509	2.724723
3.14526	3.279207	3.604323	3.214446	3.429283	3.43542	3.257184	2.859871	3.268492
3.750574	4.128031	3.142727	4.300522	3.423785	4.527931	2.748278	4.427582	4.362388
4.110505	4.22905	3.650682	4.517333	3.44216	4.053903	4.07536	3.867999	3.946166
3.326256	3.924293	2.21096	4.026454	3.72215	4.172788	2.617123	4.9187	3.436787
3.127832	3.950129	2.4838	5.184036	2.832263	4.12695	2.828274	4.287973	3.654757
3.073946	3.329577	2.619287	4.531719	2.851964	3.896906	2.806682	3.835522	3.647487
5.205266	4.768193	5.432238	3.93254	4.685568	4.694229	5.542652	4.33863	4.890463
5.477036	2.661324	0.609575	0.869929	3.487043	4.856935	5.034978	4.647207	3.500313
1.909019	4.708587	6.853885	5.860719	4.229743	4.185211	4.411173	3.37461	5.606664
4.013824	4.064006	3.190174	5.028649	2.719465	4.909823	2.730931	3.973714	2.754831
2.689803	3.23896	2.379264	2.254193	1.593871	3.840681	3.935129	3.574601	2.006056
NA	4.040164	4.085947	5.021728	3.617848	4.285922	3.79891	3.401208	3.524081
6.202564	5.488053	6.593987	6.342184	3.831924	5.645029	6.124989	4.056534	6.014107
3.194084	3.267354	3.270576	3.026459	3.684823	3.322089	3.332	NA	3.21852
4.255358	3.80545	4.057502	0.205339	3.110615	3.212358	3.758998	3.597343	3.715031
4.468057	4.041505	4.732828	3.504436	3.70457	4.4016	4.470464	NA	4.396149
NA	3.983097	3.195842	4.763446	3.613651	4.213043	2.987142	4.343076	4.041591
6.836769	6.434407	5.537337	4.610241	3.916706	5.887553	7.367856	5.168892	6.517253
2.915802	3.060877	3.422343	3.218088	3.452337	3.47241	3.264025	NA	2.911188
4.328162	4.243927	3.528618	5.230017	3.834482	4.030109	3.663808	4.518572	3.52167
2.756915	3.31273	2.315745	3.819489	2.702663	4.137103	2.132244	3.408056	3.420821
3.368843	3.819552	2.807795	4.014013	3.445639	3.996007	3.411514	4.15323	2.724558
3.480731	3.453079	2.72942	4.451393	2.970386	3.216825	2.538744	4.13364	3.838287
5.145595	NA	3.909595	5.696745	4.467958	5.201137	5.007995	4.798565	3.970771
NA	2.575384	2.682997	3.509057	3.2526	2.988558	2.809314	3.065243	3.437634
3.976103	4.058889	3.277873	4.26366	2.711438	4.518036	2.883574	4.128578	3.636449
5.134096	3.470399	5.718811	2.999305	2.788469	4.612789	4.675073	4.003385	2.600235
3.293908	5.043343	1.695906	7.399995	4.773981	5.177266	2.717335	5.196043	2.972557
3.542996	4.017406	2.431396	5.56815	3.681972	4.6039	3.389741	4.112108	3.119453
3.192987	3.088698	3.378106	3.499068	3.041291	3.379877	3.897546	3.317836	3.654833
3.590344	3.435299	3.702597	2.588206	2.993382	3.385429	3.545463	2.815402	3.515094
3.129925	3.750281	2.730213	4.336665	3.47215	3.686196	2.630822	4.051371	3.991576
3.603313	3.658601	3.214466	3.940389	3.338443	3.799488	3.252124	3.326398	3.851358
3.686529	3.201109	3.591867	3.560129	3.496649	3.607899	3.59515	3.052799	3.913845
NA	4.257631	3.241577	5.106362	2.750571	4.563002	4.011877	4.973269	3.800406
5.916202	5.441249	3.435389	6.298299	4.370537	5.339397	3.981405	4.544134	3.211281
3.297227	5.379998	5.628346	4.446751	4.829756	4.823943	3.023123	5.544691	5.158262
3.464323	3.182518	2.202226	5.066054	3.604207	4.484378	2.375911	4.345655	3.774698
3.022503	3.450297	2.697268	3.612567	2.92945	3.690456	3.040604	3.128539	2.761843

4.046289	3.774716	3.930146	0.232029	3.647526	5.406222	3.773556	4.118216	2.253084
3.051815	3.726136	2.732204	4.03494	3.085744	3.865552	2.512783	4.001209	3.56828
3.271643	4.048719	2.870079	3.430515	3.251972	3.926464	2.444574	4.436386	2.995329
5.124299	3.139287	2.583998	4.949545	2.762912	4.445296	1.296605	4.3535	3.846512
2.871566	3.577072	1.861557	3.530249	-0.38813	1.413787	2.679309	3.314914	3.969219
4.575485	3.175616	4.0915	4.612493	3.649959	3.927974	4.535687	NA	4.144038
5.083073	2.670946	3.175685	5.296112	3.566092	5.090399	3.833744	4.010702	0.776221
2.536215	3.237007	2.034102	4.410933	3.145987	3.453008	1.967531	3.566255	3.039886
2.769535	3.215057	1.763886	2.452419	4.010264	3.457753	2.709863	3.415116	3.580752
4.668007	4.006459	2.916266	6.944001	4.063996	5.662952	2.170423	5.358923	2.058163
4.554905	4.686443	5.151621	5.119255	5.104035	5.163205	5.156676	3.558798	5.038687
5.896058	5.460175	6.211877	5.017808	5.717742	6.124925	5.562554	5.014463	5.32936
3.538241	3.845383	2.809101	5.435069	3.295678	3.785126	2.642285	NA	4.363926
2.736378	3.1482	1.845307	4.519275	2.905761	3.403665	3.072893	3.77557	2.222782
3.432517	4.681846	3.300312	1.602339	1.8833	3.854622	3.271386	4.109908	3.349464
4.465107	4.494831	4.278453	5.356152	4.96475	4.478846	4.335032	3.272703	5.079491
3.593273	2.514788	3.648337	2.174646	3.496981	2.599536	3.434751	2.484001	3.868341
3.183127	3.304888	2.549693	3.814632	2.904557	3.599235	2.562412	3.279931	2.485506
3.798961	5.860409	3.514246	5.552824	3.482564	4.963137	3.848804	4.687665	2.632803
4.109375	1.755783	4.407956	3.988414	3.129248	-0.3521	3.880308	2.455521	3.96549
1.284221	2.086166	3.8366	1.846627	2.521087	3.353778	2.829973	3.052712	1.853963
NA	3.73122	2.414181	4.634183	2.192123	4.08241	NA	4.426647	3.146403
5.241484	4.947142	4.430723	4.592173	4.052695	4.214285	4.919637	4.10693	4.352088
3.156494	2.821354	3.393422	2.946521	2.512969	2.706357	2.704129	2.881808	2.773434
2.224054	3.639418	3.914214	3.735901	3.162449	3.494672	NA	3.424526	3.381673
3.619255	6.234362	2.85243	NA	5.50575	5.304617	3.707191	5.181412	4.479471
3.218458	3.566237	2.933782	4.392063	3.525394	3.579288	2.335229	4.166331	2.852894
4.556484	6.512625	3.388081	5.891282	3.431575	4.879198	3.760501	4.985062	3.850541
NA	4.585982	5.012713	4.604234	4.202716	5.12206	5.163419	3.625908	4.616639
0.565085	2.697062	5.120603	4.033455	3.947609	4.804464	5.0754	0.429541	4.367243
3.151147	2.728241	3.156328	2.598572	2.834285	3.441818	3.324846	2.727657	2.623757
5.323959	4.958017	5.260171	4.383065	2.472015	3.012697	4.58228	2.941336	3.953141
4.756487	4.62014	4.845957	4.577355	4.124586	4.93073	4.750933	3.614839	4.067591
4.137994	3.479767	4.068552	3.624334	3.615266	3.787262	3.871304	3.22701	3.74807
2.964317	2.527594	2.651375	3.08578	2.531845	3.046185	2.727649	2.615665	NA
1.60577	2.674062	3.80325	4.104792	5.151663	3.734505	6.422678	4.834402	3.167698
2.485712	3.930971	3.767068	5.250119	3.521352	4.594663	3.986286	2.814067	1.326739
3.555869	3.158062	3.674092	3.372124	2.806548	3.208343	3.3856	2.992899	3.302813
1.51911	3.864237	4.068824	-0.22236	3.790298	4.267596	3.900586	3.674215	2.868142
5.132968	4.882863	4.559779	4.37794	4.071157	4.614534	5.138465	3.751856	4.048907
3.827871	3.495114	4.074328	3.674305	2.30617	3.841963	3.71841	2.581558	2.205538
4.34625	3.808094	3.116344	4.126309	3.719048	4.100546	3.918716	3.419925	3.424847
3.616944	5.568268	4.605122	4.710327	3.905271	4.640696	4.98541	4.823971	4.01984
4.546907	3.861246	3.465746	4.197211	3.290519	3.940523	5.727134	3.087747	3.744645
3.015339	3.237022	2.606183	3.655687	2.720839	3.291063	2.736505	2.967966	3.118572
2.894332	2.167457	1.407824	3.597101	2.993003	2.487633	2.700336	2.911195	3.682555
3.128627	3.033977	2.309279	3.941805	2.985533	4.026364	2.489941	3.684127	2.43627
1.50172	3.385296	2.826189	0.834479	1.257014	3.507052	4.117615	4.07621	2.882859
4.746475	3.656658	2.993171	4.615128	3.964673	5.119233	4.598027	4.037638	2.830542
5.466002	5.026768	5.577141	4.809358	4.154173	5.195587	5.22327	3.614019	4.738482
3.269334	4.864729	3.283396	2.05986	4.156797	4.682426	5.018347	4.057562	4.110102
2.983498	3.342347	2.190765	4.419916	2.306847	3.588406	2.586923	3.114368	2.97266
4.550952	2.294545	1.856379	3.980505	0.966193	3.105136	2.401416	3.488456	2.24104
3.250723	3.561185	3.766871	2.956109	3.68523	3.700648	3.266065	3.29971	3.470502
3.704183	3.459842	3.887208	3.240699	3.073943	3.545768	3.699813	3.042504	2.721353
2.965459	3.021121	2.717735	3.134712	2.449496	3.09919	2.499547	2.738892	3.015721
3.145858	3.673965	2.522149	5.061122	3.64981	3.973211	3.029531	3.604275	3.8994
4.906123	3.890933	4.733901	5.315886	5.053082	3.867993	4.796592	4.126364	4.742044

0.569454	0.771593	4.859278	2.826897	4.376286	4.934917	4.690211	0.017931	3.800152
2.643403	2.899565	2.295579	3.615542	2.424889	2.763278	2.325085	2.940242	3.181582
2.395435	1.431007	1.648853	1.441274	2.949189	3.352514	2.908584	3.479038	1.610583
3.059694	3.243239	2.42986	3.826533	2.827481	2.961066	2.492339	3.266042	3.313789
4.229697	4.061516	4.532416	4.228253	4.560688	4.04761	4.399401	3.347118	4.971539
3.537477	2.2929	2.882576	2.594614	3.272989	3.197829	3.329797	3.014783	NA
3.220841	0.980016	3.286618	2.412536	2.19877	2.789304	3.317125	1.843523	3.240197
3.694357	3.601341	3.532494	3.267435	3.142918	3.36666	3.77431	3.231631	2.589194
2.938848	2.845569	2.177306	3.416926	2.558206	3.597961	2.579984	2.828602	2.779718
3.110269	4.127059	4.504939	5.389207	1.412426	4.205715	6.17534	-0.47996	1.876583
3.37492	3.966793	3.443563	3.152499	2.439951	4.445014	4.379038	3.526377	3.233682
3.121421	2.824475	3.373515	-1.52602	3.356765	3.312555	3.079814	2.837853	3.105504
2.360306	2.922574	1.227118	4.112913	3.965988	1.856386	3.196663	2.94538	3.936498
4.860158	4.706557	5.067781	4.686215	4.71612	4.595888	5.542069	4.104705	5.177825
3.366135	3.323558	3.027132	4.049043	2.869118	2.994861	2.668005	3.806414	3.271421
0.059539	4.828167	4.008253	6.752455	4.069191	3.14293	5.442061	1.192448	2.433237
1.605669	3.834719	3.668798	3.241633	1.229119	0.797567	4.101065	3.896442	3.268153
4.271992	3.86297	3.028387	4.033349	2.447214	3.590004	3.697294	3.384017	3.6106
6.897744	4.936982	5.860492	5.698248	4.812581	5.139678	5.83639	5.120743	6.019478
3.468445	3.478616	1.997221	4.439425	2.374935	2.688991	1.936471	3.800296	3.417302
2.574412	3.425276	2.633176	3.85379	3.347547	3.199936	1.82769	3.029898	2.78819
3.595993	4.128496	3.890197	3.805388	4.93894	3.391437	4.826321	4.891611	1.393392
2.20625	3.593143	2.293421	2.884893	5.000666	2.570447	3.713711	3.303205	4.576769
3.722961	3.354027	3.685453	3.423755	2.32455	3.708627	3.716933	1.806288	2.635708
3.315396	3.496045	2.301708	4.936893	4.27993	5.095023	2.630206	NA	3.431205
5.143377	4.73419	4.810106	4.730066	4.629299	4.848729	5.228523	4.214857	3.844296
1.013559	3.738325	2.407964	4.03948	2.819357	4.328608	1.463194	5.07986	NA
3.071086	2.977496	3.543974	3.188553	3.329804	2.890206	3.347503	3.435218	3.053985
2.893472	4.079853	4.515554	3.376336	2.955476	3.901591	4.063773	4.125511	1.343315
3.656756	3.568006	4.411861	4.145822	3.755855	3.827789	4.08845	3.877422	4.379292
NA	4.138073	4.040159	-0.60688	3.896398	4.904727	4.536757	0.356152	0.322055
6.522572	4.582933	6.172077	3.899279	3.804746	4.080736	4.840784	4.19828	3.919636
4.152197	4.103462	4.144831	4.347214	3.945735	4.283568	4.441457	3.152911	3.741386
2.464544	3.053848	1.802315	3.601034	2.32419	3.263996	1.976701	2.981887	2.803912
3.623218	3.228374	4.093431	3.536986	NA	3.630649	3.677352	2.973729	3.705563
2.891738	3.047769	1.823018	4.264432	2.85184	2.54749	2.02833	3.027213	3.26194
3.690335	4.588686	3.943298	3.316769	4.631753	2.931167	2.28342	5.01023	0.7083
3.961627	2.720413	3.110437	4.068403	2.73794	3.506008	2.95577	3.231258	2.913404
3.450005	4.060902	2.421225	4.303926	2.997245	4.266011	3.700148	3.390702	3.067123
3.597769	3.646756	4.173824	3.661561	3.921648	4.096285	3.711559	3.216811	3.555721
2.160292	3.264051	2.078891	4.906874	3.283621	3.828118	NA	3.431629	3.922906
4.100945	3.337951	5.089248	3.214936	3.626103	NA	5.102054	4.296514	2.665586
3.57282	3.482042	3.486459	3.448987	2.855589	3.594889	3.665676	2.918403	3.205297
3.249932	2.990452	2.662497	3.570457	2.289882	2.877152	2.815174	2.96297	3.45256
3.401823	3.730335	2.151878	4.633438	3.283078	3.108109	2.80716	3.599193	3.124739
4.710835	4.231029	5.048939	4.954597	3.990601	5.230391	5.327202	4.445457	3.603549
2.447921	5.090434	5.614686	1.741164	4.296004	5.057682	5.313713	0.917806	1.176505
3.803383	4.717761	NA	3.428029	2.428317	4.336747	3.898171	4.236835	1.423893
2.882126	3.276395	2.14015	3.851872	3.079987	4.084281	1.933839	NA	3.132332
3.133314	3.375642	2.848989	3.157858	2.925904	3.19213	3.326058	2.785534	3.601032
3.981746	4.337022	3.687775	4.666107	4.148816	4.009265	1.866165	3.449369	2.909796
3.662454	2.656521	3.222848	3.796566	2.963107	3.099839	3.590969	3.533058	2.238037
3.783533	3.583072	3.571342	4.513903	3.691442	4.041114	4.046263	2.770042	3.936596
2.928605	2.940274	3.029535	3.500861	2.711671	2.628348	2.695002	2.786845	3.418696
2.150515	2.152562	1.186255	4.254989	2.1254	2.540034	1.203291	3.560264	3.807914
2.920095	3.470224	2.152228	3.83839	3.226058	3.876269	2.42792	3.425184	2.173346
NA	2.913705	3.229965	4.35158	3.00573	3.370106	3.718079	3.263416	3.715674
NA	3.287781	3.288218	1.776159	2.357157	3.877684	2.449941	4.451489	2.447917

2.828808	3.095023	2.509167	3.431242	2.228564	3.715557	1.934239	3.514017	2.80505
3.805931	4.007005	2.254274	5.359261	2.700802	3.073215	2.499944	3.28983	3.748116
4.789817	4.802069	4.849409	3.975263	3.186352	5.177611	3.503088	4.420877	3.6522
4.190067	3.570912	3.798559	3.722857	1.292642	3.331455	4.034274	2.711952	3.444238
4.926931	2.494244	4.050487	3.191312	3.564504	3.853216	4.010754	3.344798	3.455809
3.776343	3.33359	3.205631	2.33838	3.306353	3.512706	3.389068	3.093203	3.521372
3.802377	3.305201	2.763058	5.233295	3.651031	3.693525	2.17359	4.600682	3.563555
3.577377	3.642155	2.876344	5.378285	3.043489	3.320559	2.324037	4.029433	NA
NA	2.366582	4.119129	2.866114	2.936909	4.121338	3.553172	2.902108	2.049222
3.336657	2.606626	2.649465	4.062573	3.345084	3.14917	4.069509	2.222514	2.074109
1.596432	2.58141	1.126033	-1.50044	0.616178	4.446317	5.186578	4.551272	2.357951
-0.15455	3.24139	2.987442	3.291199	3.407059	0.655629	3.371445	3.780376	2.131869
3.577717	3.433806	3.582732	3.34981	3.045174	3.562125	3.489319	2.865579	3.334475
2.550237	2.618079	2.669975	2.774105	2.14634	2.890703	2.966501	2.552382	NA
4.603826	3.232503	4.267048	4.207224	4.079999	4.463717	4.051664	3.756984	4.181414
1.19123	1.724254	2.617243	3.925757	4.47894	5.162239	1.447123	3.593867	3.971267
1.969498	2.752272	1.924702	3.619793	3.213656	3.38319	1.856468	3.217405	3.30822
3.174647	2.881756	2.078525	3.229519	2.345033	2.689787	2.525734	2.813985	2.883617
4.001782	5.041019	5.817953	5.417987	4.615833	4.100631	4.767784	2.883332	5.630724
3.793842	3.565395	4.153299	3.228441	3.097347	3.410854	3.771845	3.485845	3.511607
5.927579	4.379574	4.352222	2.444542	3.213649	3.465214	4.205462	3.001204	0.962763
2.951925	2.823645	2.577688	2.955056	2.557542	3.06168	2.37205	2.718797	3.000567
4.026069	1.916354	3.508533	2.813951	3.525623	4.437404	4.670858	3.786245	1.639325
2.44656	2.394824	1.707632	2.927445	2.079625	2.617182	1.536526	2.81475	2.194308
3.696753	2.854004	3.238008	3.659816	2.798536	3.580138	3.656671	2.120732	3.595285
2.788974	2.517078	2.953607	2.640175	2.0458	2.444714	2.741287	2.130605	1.833939
3.52671	2.575359	1.785261	3.598417	3.0788	2.312441	2.304858	3.679491	3.300148
2.736731	2.753779	3.059475	2.63018	2.567043	2.940267	2.838391	2.295197	2.697746
-0.51287	0.435665	5.070592	-0.62739	3.744532	0.044515	0.233069	4.359402	4.184418
5.956252	2.962049	3.984656	1.297208	1.42117	4.97585	3.319876	2.14702	0.559592
3.718214	3.304371	4.105016	3.40263	3.247383	3.799391	3.610888	3.081606	2.967944
2.599761	2.739721	3.445712	2.832972	2.479913	2.48025	3.11221	2.635241	2.310426
3.650568	3.606054	3.561295	4.090746	3.461113	3.371959	3.926066	3.134294	3.895248
4.608267	4.576028	5.053186	2.663743	4.865131	5.001072	3.915613	4.143293	4.096956
3.606817	3.628704	2.795074	4.055158	3.242065	3.970058	3.257667	3.40934	3.368411
2.87173	4.249458	3.266796	3.200922	2.279603	3.820326	2.998437	3.441541	1.766524
2.410017	3.351731	2.099634	4.88554	3.485964	2.841799	3.197695	3.732522	3.502877
2.86131	2.586934	1.539344	4.22004	2.566441	2.836097	1.87684	3.397095	3.2379
2.974486	2.104322	3.11157	2.98568	2.476293	NA	2.979215	1.71104	2.954475
4.354233	4.277741	3.890895	3.438107	3.933746	3.940733	2.12305	3.47899	4.237633
3.024052	2.59162	2.929388	3.581338	2.455019	3.689557	2.489746	2.345392	1.844175
0.540598	2.858185	3.674228	1.608806	0.293692	3.679337	3.881049	3.618146	0.612458
0.89754	2.890811	2.565294	2.014796	2.265917	3.025493	3.613054	3.015234	2.634141
-0.43518	3.939594	2.703943	-2.01079	2.888515	5.081215	5.717717	3.880923	0.768171
3.002474	2.671592	2.528536	3.884213	3.014708	3.274794	2.606708	2.463811	3.69019
2.944492	3.632642	1.807242	5.269969	2.576435	3.724101	2.533684	4.35184	3.262683
3.457567	3.099583	3.402042	3.561432	3.366982	3.222346	3.623291	3.13663	2.290921
2.800935	2.108925	3.050512	3.042759	NA	2.745529	3.146046	1.992478	2.71345
-1.07532	4.329461	3.560753	0.582017	3.564134	1.590271	4.190079	0.464607	3.063777
NA	3.10336	3.875635	2.077728	3.259699	3.029887	3.562558	2.315931	3.799013
2.944173	2.451542	1.150711	-2.65871	0.994133	3.256098	2.297933	3.282239	3.15143
4.6666	3.529887	4.890985	2.433343	4.958282	3.621268	0.479172	4.304688	1.952323
0.532986	4.726093	2.867464	1.453442	4.023992	6.044729	4.859928	1.711634	0.396634
2.261484	3.125837	3.599359	0.237021	4.191568	4.597305	5.125011	3.483186	2.572936
2.810818	2.457484	2.78733	2.729801	2.279149	2.469082	2.707617	1.847159	2.066698
3.253162	2.901021	3.252129	2.479193	2.529974	2.971373	3.22169	2.430798	2.924557
3.484148	1.90124	4.54503	3.147091	2.194966	3.700717	3.444027	2.759787	2.056516
3.097822	2.733905	3.314521	1.844253	3.264496	3.488137	2.502873	3.576107	2.29627

3.349256	2.57462	3.322442	2.93257	3.024918	2.829018	3.57866	2.585101	3.124469
2.907033	2.580838	2.802216	2.029984	2.182162	2.080558	3.088365	2.314712	2.51119
6.372717	0.734557	3.033777	4.806654	6.297174	2.893459	0.458689	4.029813	4.262132
3.738398	4.155657	4.155155	2.891644	3.904642	5.824558	3.553858	4.314189	2.232057
4.632678	3.727175	4.681222	NA	4.346769	4.734695	4.654195	2.892467	3.543184
2.798145	2.452135	2.196472	3.003834	2.844637	3.293624	1.736731	2.966492	2.803515
NA	2.891183	2.831983	2.716552	2.633095	3.410328	2.934712	2.418002	2.600364
1.015593	3.677098	3.160449	1.125982	5.421389	4.145981	5.994598	NA	2.872457
4.005619	-0.36886	4.059361	-0.63374	3.470464	3.617341	4.210159	-0.66407	2.975604
2.623762	2.416428	2.108975	1.899466	2.335029	2.112728	2.83964	2.216744	2.316047
2.031756	2.441369	1.614407	2.494421	2.552577	2.985307	2.276665	2.325989	2.673819
3.15203	2.618711	1.149407	4.277092	2.856373	3.74407	2.623413	4.139356	3.263786
2.81891	4.015471	2.516007	7.171079	4.684635	4.29685	1.387734	4.862945	3.346249
2.718464	1.823077	2.218699	2.00388	2.146526	3.12972	NA	2.790638	2.68785
5.042562	4.365052	4.973765	5.133351	5.012069	5.328658	5.418458	4.00571	5.656228
2.336844	2.3771	1.767209	2.768854	1.996347	2.662503	1.593917	2.796717	2.652031
NA	4.796893	4.688719	5.556627	4.472279	3.607464	6.167441	3.662338	5.287129
2.512411	2.996161	3.508483	2.608509	2.904127	2.418371	2.164685	3.436284	3.293138
2.866561	3.151067	3.208097	3.825224	NA	3.56524	4.253708	NA	3.9559
2.37353	4.327626	NA	3.200888	2.756663	3.701653	3.067164	4.550563	1.544291
4.438373	3.637037	3.882181	4.918279	2.522777	4.485114	3.766283	3.612149	2.431008
3.004232	3.254856	2.748841	3.045553	2.746009	3.198506	1.917776	3.295857	2.366741
0.179577	2.929898	2.362142	-1.99922	3.333639	3.426314	3.851103	1.254742	2.933561
0.980561	2.162756	2.424802	1.472502	5.169962	3.349247	1.757469	NA	2.803778
4.678258	4.535753	4.433573	4.779278	4.372918	5.175823	4.662669	3.648992	3.746548
2.733153	2.704908	1.685053	3.351768	1.635602	2.585469	0.80838	2.42156	2.755312
3.620976	3.628557	3.806745	3.830087	2.867224	3.232111	3.731164	2.83081	3.484405
2.376475	3.328181	3.02069	1.45277	2.626082	3.133384	2.180472	3.188091	3.476903
2.672802	2.584414	2.320074	3.070105	1.871631	2.556576	2.452198	2.424075	2.975031
0.54822	3.096892	2.430096	0.883505	2.001223	3.647761	3.856124	4.023972	2.254858
3.620387	3.196498	3.197136	4.358314	4.024168	4.133625	5.065072	3.371473	4.37144
3.542363	2.971768	3.521994	3.524122	3.031057	3.023535	3.798327	3.024846	3.014274
3.097661	1.737155	2.595802	2.195384	2.716884	2.652399	3.097115	1.732833	2.813817
3.011274	1.526754	2.939967	NA	2.445541	2.744098	3.255474	1.176481	3.257922
3.778294	1.347533	3.083167	0.982515	1.948155	3.063262	2.309427	2.240554	1.120898
2.653126	2.765825	3.095176	4.297509	2.517877	2.700664	3.408761	3.315984	4.871951
2.43531	-2.31567	2.782664	4.499935	3.46499	-1.88567	0.489362	2.943266	2.490686
2.687444	3.305141	2.177785	2.452106	2.33062	3.269026	2.159148	3.091673	2.829936
2.746652	3.067374	2.079766	2.313332	2.65996	2.967932	2.994636	2.978355	2.813119
2.898869	3.347699	2.744124	3.293797	2.173183	2.184361	3.893552	3.471493	2.979802
3.379109	3.797127	3.743683	3.478994	3.127659	3.528763	3.098834	3.400858	2.697792
2.889842	2.117776	2.223082	1.649892	2.556254	2.569123	2.76926	2.749444	2.849862
4.145267	4.073777	4.520551	3.96552	1.738893	4.34347	4.306635	3.599875	3.948138
3.831169	3.781344	2.671859	2.756776	2.018079	3.21489	0.841858	2.888285	2.613991
1.978948	5.989974	3.534215	4.357814	0.922281	3.358963	3.213325	5.789367	1.759115
4.125734	3.813315	3.863757	3.830763	2.901741	2.724336	3.797162	2.963319	4.053542
1.137283	0.714216	2.599934	3.574024	2.79994	2.625651	-0.50055	2.798129	2.739527
4.681824	4.094765	4.601254	4.713885	3.86071	3.646927	4.998584	NA	3.828031
2.889025	2.996248	3.4705	2.864939	2.948456	3.353021	3.204608	2.608767	3.171124
4.69167	2.907751	4.242153	4.721872	3.138028	3.909238	2.253398	2.442573	3.459482
4.064172	3.883149	2.282746	3.977211	1.823886	4.330507	4.610872	3.396379	3.118265
3.412572	2.478005	3.385976	3.157939	1.917113	2.640666	2.760495	1.409101	3.368954
1.987878	2.909642	1.371136	4.101498	2.82345	2.397205	1.61367	1.927819	2.231098
3.165583	2.090211	2.699396	2.269506	2.639147	3.206768	2.663169	2.392091	2.764757
3.004131	2.721441	1.738801	2.678566	3.011404	2.667583	2.529548	2.332744	1.996417
3.574659	3.396141	3.641893	3.348505	3.011708	3.425585	3.483098	2.936681	3.134569
3.448334	3.786078	3.397763	2.678345	3.072088	2.599489	3.12703	3.244576	1.940357
0.930272	1.709695	1.035663	-0.10196	0.006489	2.959006	2.691848	2.998666	1.600321

NA	3.34529	1.781371	4.543498	3.280721	2.728465	2.197264	2.973882	2.951352
2.396347	1.372801	1.973814	2.892981	1.85729	2.594162	1.862808	2.488643	3.028011
2.857526	2.100502	1.168917	2.086543	1.505284	3.838633	3.020596	2.438684	2.667031
2.179598	2.152184	1.972027	2.129912	3.412974	2.451865	2.674722	3.15113	1.846755
3.494809	3.583225	2.202025	3.015629	2.190162	2.833759	3.017159	2.304728	2.440184
2.016684	2.780377	1.854008	0.673161	1.033444	2.536025	2.515653	2.520062	2.700229
3.382951	2.579053	2.588136	3.7717	2.21657	3.200848	2.36789	3.310389	3.454935
NA	2.76918	1.290187	3.759958	1.8028	3.069418	NA	3.111083	2.59667
1.245562	3.24534	0.993641	4.099325	3.214658	3.915188	1.203473	4.488298	1.057335
3.086101	2.700997	2.435446	2.898083	2.096352	2.516793	1.590529	2.530555	1.205207
3.253707	2.942126	3.610595	2.165193	3.524896	2.950201	3.277441	2.902569	3.672393
3.337998	0.637318	3.238878	2.680628	2.530657	2.375697	2.692817	1.636135	2.614032
3.008138	3.713268	2.248388	2.649	2.237781	2.522907	2.979508	2.599201	2.219129
1.883648	2.314492	1.267563	2.871201	1.891822	2.223336	1.263877	3.041778	2.509432
4.085924	3.687072	3.590312	4.539739	3.767632	3.813085	4.118522	3.550725	4.034375
3.419013	3.454028	3.431696	2.695222	2.890726	2.760435	3.796239	3.177996	3.542929
2.822836	3.125792	3.205347	3.628418	2.651206	3.330979	3.433244	2.157543	1.699372
4.287839	3.875542	3.494913	4.244227	2.527155	3.347585	2.515393	2.507482	3.091031
3.555715	3.604199	3.694586	3.335658	2.504397	2.63078	NA	3.099213	2.947318
2.447926	0.392926	2.824262	1.716141	2.966844	3.382179	3.380309	3.554559	2.143723
2.925157	2.638936	2.566303	2.620327	2.609061	NA	2.412373	2.76374	2.765253
NA	3.935227	4.223862	4.039538	3.608641	NA	4.273233	3.448784	2.7986
3.293369	2.548506	2.915383	2.617735	2.731799	1.835886	3.291708	2.734103	2.834015
2.371916	3.002462	2.220828	3.413571	2.525966	3.214584	1.971082	2.909534	2.876951
4.310742	4.407424	4.412932	3.847701	3.934318	4.417346	4.475681	3.024186	4.028508
3.235063	3.651678	3.72553	2.374192	3.294081	2.807228	3.935972	3.377064	2.217798
3.817862	3.413981	3.284892	2.896904	3.208555	3.583776	3.962965	3.27868	2.772321
2.639672	2.319943	2.132853	3.236738	1.986655	3.096735	2.61471	2.178678	2.221178
NA	2.057307	5.222525	0.109088	2.864436	5.481613	4.30304	1.928893	-1.01467
3.500735	2.183128	3.750235	4.490896	3.489558	3.085051	3.922022	3.624369	3.042637
2.779724	0.505001	1.817593	3.208617	3.502423	2.546007	3.656258	2.056044	2.482337
2.607384	NA	2.984684	3.916466	2.151443	3.243381	NA	3.325174	2.185841
-0.06365	3.140695	3.512002	2.558816	1.380414	3.405463	NA	3.148283	3.088522
2.710324	2.454821	2.599551	3.625877	2.591002	2.818404	2.807415	2.61505	3.618771
2.872561	3.473358	1.374594	4.108169	2.579405	3.888915	1.987726	3.334998	2.219737
2.168622	2.805734	1.289424	3.9541	2.979696	3.445869	1.25714	3.323018	1.692065
1.515917	3.703799	2.136633	4.299794	3.347253	4.092832	1.424117	4.25941	3.04711
1.401867	2.237146	1.764787	1.214982	0.589739	2.459718	2.70056	2.402123	2.453151
3.107233	2.275665	3.379655	2.681151	2.415408	2.769234	2.98865	2.062751	2.797285
2.404958	2.769124	1.823978	3.139689	2.165521	2.585193	1.649879	2.691229	2.252569
0.52524	4.351078	4.686709	4.846001	3.801394	2.660135	0.519024	0.350285	2.409548
2.13558	3.148304	2.450401	0.597292	3.551065	3.615935	2.917957	2.742787	2.733919
3.040082	2.858297	3.171463	2.779597	2.554268	3.064902	3.235532	2.258007	2.991469
1.576103	2.223926	1.248285	3.74832	3.647096	2.884517	2.687582	3.426424	4.138733
1.776112	2.560224	2.296915	1.689954	1.472655	2.43042	2.492176	2.293755	2.115879
4.876932	3.597604	3.706892	5.432935	3.491305	4.002952	4.125408	4.171494	3.198936
2.966908	2.634291	3.016941	2.281192	1.985745	2.919029	2.019448	2.55585	2.15264
1.803653	4.335488	2.928525	2.38894	1.397866	3.544121	2.818071	4.148538	2.459089
3.784255	2.637231	3.261132	3.191995	2.852097	3.929575	3.85399	2.86733	3.032812
2.746921	2.433134	2.952238	2.293877	2.20941	2.838481	2.377263	1.242047	1.822717
2.182518	3.738803	3.334192	4.482959	3.355433	4.54104	3.519451	1.703389	0.459928
2.588656	2.279758	1.999449	3.042672	2.97166	2.565225	3.284426	3.054699	4.207746
4.311747	2.947493	3.300905	-1.86454	3.101152	3.68869	0.673983	1.06517	1.225853
0.472064	2.163482	1.680414	1.476084	3.79563	2.306549	1.549456	3.191811	3.180285
3.507808	NA	4.614846	4.011244	1.574354	2.098713	3.052132	3.82196	2.47138
4.503324	4.56044	4.867745	5.658249	4.154065	3.872754	4.293412	4.167409	4.973716
NA	1.738572	2.206225	2.534329	2.05456	2.707056	2.80994	2.033454	3.078694
2.51518	2.547467	1.884945	2.781624	NA	2.609169	2.546599	2.470133	2.768943

3.965731	3.453722	3.805973	4.162265	2.685578	3.505424	NA	3.366678	3.138262
3.538754	4.067538	4.51128	0.396233	4.071394	0.555915	0.184304	2.569651	4.187885
1.884917	1.736598	1.782093	2.129056	2.521812	1.879953	3.54857	1.214344	2.668192
2.455751	3.531106	2.216749	1.483101	0.720536	3.233027	3.070078	3.952924	1.083715
3.122848	1.970267	3.170541	3.552867	2.74593	2.71451	2.263015	3.118659	1.519796
3.228643	3.988319	2.990127	2.697663	2.725966	-0.44067	3.0354	2.92427	3.400448
2.529237	2.538929	1.221396	3.449349	1.605704	2.530694	1.55076	2.604323	2.969211
2.359807	2.599	2.327118	2.041587	2.472975	2.363949	NA	1.781992	2.691564
2.739137	2.66286	2.609139	2.453783	2.277722	2.732315	2.684968	2.209086	2.665464
0.891829	3.119888	NA	1.934922	1.975876	2.36429	1.780836	2.824085	2.079027
3.380785	3.038396	3.404824	3.332069	2.814805	2.686388	3.360644	2.837031	3.041352
1.833516	2.056639	1.472661	2.13741	1.460266	2.079265	1.234874	2.155	2.182604
2.989559	4.152051	3.892263	3.230377	3.008333	3.308435	NA	3.652537	2.71635
2.500129	1.903499	2.189149	0.844164	2.551548	2.078667	2.900858	2.401584	3.068449
4.094355	2.922708	4.09673	2.981564	2.048329	3.820815	3.704898	2.456354	1.436446
0.84828	3.65219	3.264346	3.999407	3.060445	5.561351	0.930328	4.355228	1.441598
3.024643	2.840048	2.581986	3.220076	3.147372	3.743008	4.238739	2.791131	1.256264
3.242094	2.724964	3.001469	3.53667	2.942246	NA	3.482231	3.158091	2.739724
2.550212	2.076925	2.538472	2.494792	2.236219	2.336761	2.088746	1.747266	1.889962
2.826607	3.674195	3.114066	2.624035	1.042616	2.561197	3.580652	3.353333	1.48099
2.443203	4.176979	3.392678	1.87381	1.93006	3.305109	2.617965	3.437795	1.404152
3.559225	3.431568	4.183233	4.072585	2.558011	3.966468	3.999564	2.646346	3.785905
0.462268	2.183614	3.545794	2.081022	2.64589	2.341042	4.55385	4.063937	1.053943
4.630234	-0.01016	4.933778	4.796781	4.163698	4.068544	4.663728	4.411118	3.73041
2.721894	2.386078	2.048094	4.048262	1.991707	3.285568	2.152945	2.850822	2.057602
2.6131	2.739727	1.465541	4.938192	5.331763	4.634701	1.344534	3.787273	2.033071
3.740053	3.232101	3.547834	3.803171	2.969654	3.588503	3.000556	2.774863	2.917453
3.616762	3.635444	3.969803	3.81714	2.400193	2.958351	3.707191	3.431867	3.29111
1.19016	3.696348	2.895601	2.029355	2.69605	2.520435	2.919899	4.129805	1.721782
3.31178	3.282629	3.464781	3.142143	3.024703	3.440296	3.330731	2.651372	3.141347
4.02993	0.858752	2.288659	3.900074	2.792593	2.609115	2.408671	3.035098	0.806983
2.635836	2.920358	2.706943	2.45379	2.450081	2.826244	2.881946	2.066516	2.99565
2.507872	2.374845	2.248536	1.570559	1.953873	2.313699	2.902196	1.747501	2.199984
2.843908	3.608256	2.919177	2.885774	1.804749	3.550598	2.005787	3.078163	1.839562
2.968107	3.241947	2.889514	1.945169	2.228969	2.506435	2.291646	1.737869	1.88932
3.886376	3.211835	3.573152	3.753758	2.253231	3.466452	NA	2.602731	2.421644
2.129459	2.53236	2.207873	2.66388	2.329392	2.236892	1.774283	2.242991	2.126002
1.812097	2.00017	2.003325	2.100165	2.073799	NA	2.323399	2.433195	3.373635
3.074658	1.122336	2.608939	1.984899	2.831302	1.075393	0.76394	2.629029	NA
3.285537	2.518729	3.226697	3.268252	2.445386	2.935302	2.788486	2.594198	1.87176
NA	3.461731	1.740318	5.154712	3.881264	3.835973	2.162641	5.209669	1.964981
2.623214	2.567001	2.692537	2.515236	1.927404	2.617774	2.883622	2.027342	1.946498
2.783877	2.100867	3.05208	2.055206	2.720163	2.759005	2.677864	1.727137	2.778568
NA	2.479355	2.551781	2.822837	2.973371	1.509607	3.206202	1.74849	3.436717
1.535148	1.568843	0.715918	2.435157	1.482895	2.24861	0.821688	2.0045	1.912555
3.121645	2.418849	2.650179	2.926008	2.262769	2.703234	3.593067	1.183706	1.996482
2.332801	2.219958	2.124334	1.81243	1.238511	1.932647	2.312838	1.643406	2.402115
0.859853	2.150773	0.888613	1.267363	NA	1.616788	2.762472	1.929421	3.960353
0.829386	-0.11779	0.898042	3.409383	-0.75488	3.227161	0.169592	2.303908	2.845067
2.296994	2.360897	2.113622	3.313043	1.637373	2.290681	1.615475	2.756039	2.5859
2.874605	4.332599	0.873089	4.095468	3.285991	4.018547	3.606822	3.139665	0.820511
3.650501	2.584213	2.617555	3.064344	2.21783	3.328449	2.322102	2.776373	2.362904
0.871002	1.37	3.288249	1.110242	4.429113	1.874589	1.227043	2.840755	1.876492
NA	3.289715	3.199905	2.606482	2.706346	NA	3.188236	2.400812	3.427137
3.980244	3.473457	3.849652	3.814403	2.589978	2.917121	3.467267	3.120595	3.384802
3.270792	3.397037	3.647956	3.381427	3.243932	3.4234	NA	2.669564	3.525674
2.602754	2.904952	3.454873	4.815508	3.720333	4.63731	4.54693	4.215196	1.879006
3.730506	2.133723	3.51392	2.168081	2.794252	3.283195	3.204215	1.859915	2.684748

0.787081	3.705037	3.069415	3.793075	3.667836	0.19821	1.297554	3.868909	1.182022
2.178096	0.963148	2.067371	3.843018	2.208958	3.051692	2.282568	4.407083	1.965991
2.096713	NA	1.708647	2.824053	1.797127	2.241946	NA	2.346228	1.423624
2.276763	2.149775	2.331135	1.871543	1.972539	2.079807	2.26944	1.693828	2.118085
2.020255	1.806912	1.390561	3.043736	1.473483	2.036392	2.19464	3.633524	1.755948
3.727243	3.323024	3.538858	0.702664	1.699057	3.185815	3.720484	2.131195	3.400113
2.591996	2.707001	2.184823	2.874224	2.328829	2.585112	2.89381	2.34337	2.67769
3.515097	3.342259	3.304299	2.935204	2.898256	3.827953	2.904781	NA	3.098444
3.000689	3.17185	2.900136	3.072863	2.308766	2.641932	2.964241	2.950834	1.99138
4.967321	4.744471	3.534154	0.41004	4.232787	3.018451	3.315006	NA	0.753963
3.126059	4.471714	2.4971	4.761358	4.186495	3.701024	5.047491	2.076916	2.367759
2.487113	3.205929	3.140094	1.275793	1.600618	1.279838	2.9096	3.136134	2.981338
NA	3.099191	3.877761	4.073614	2.687176	2.20227	3.657411	3.138078	3.30423
2.154951	2.125101	1.37004	2.714139	1.621286	2.211183	1.171684	2.287786	2.277699
NA	2.680466	3.188203	2.513276	2.278943	2.720167	2.76337	2.337272	2.706999
3.739436	3.711812	3.63486	3.170729	1.45885	2.625132	3.382291	NA	1.804051
3.185591	2.994433	3.069351	2.856387	2.256006	2.868889	3.012717	2.271659	2.965033
3.759569	2.004464	2.184621	2.721728	2.975851	3.35667	2.393895	3.625873	3.637472
2.531962	2.224415	2.149323	2.377618	1.594373	2.238487	2.226217	2.147437	2.529285
3.041568	3.509007	1.304573	4.647736	3.109565	3.793813	3.946362	2.942711	0.908823
3.387062	2.813336	3.227416	3.19743	2.476442	3.031554	3.395303	2.036366	2.160947
2.26421	1.758919	0.916034	2.162278	1.470462	1.970829	1.358245	2.057717	2.474966
1.689364	1.729244	0.930654	3.19323	1.740836	2.470015	0.833505	1.82774	1.675432
2.449018	3.409908	2.854349	2.374044	2.402659	2.862321	NA	2.918321	2.409977
3.809454	3.889105	3.14699	2.558253	1.409918	2.445702	3.464788	4.076097	3.152461
3.660392	3.026114	3.834183	3.284846	2.129549	3.07231	3.232812	3.176169	2.752841
3.182483	3.04877	3.673831	3.017043	2.378427	3.119803	3.250721	2.597699	2.040979
2.806235	2.38179	2.654692	2.551548	2.045806	2.545538	2.701573	1.440674	2.463151
4.116513	3.298174	3.890328	3.610166	2.425668	2.82448	3.180154	2.968611	2.520076
NA	3.074886	3.519437	1.812561	2.607983	3.534381	2.801595	2.835116	2.82702
2.991018	2.24733	2.376447	3.638347	2.723345	2.591941	4.014287	1.973662	3.368157
0.46311	1.021524	2.12752	2.687752	3.236467	3.188256	2.112388	NA	1.284467
1.944165	2.286926	2.932509	2.640579	2.042295	2.524626	3.399866	2.158744	2.617896
3.277944	3.092712	3.201808	3.176008	2.636768	3.026967	3.110941	2.081095	1.638027
1.796976	2.260488	1.140419	3.395915	2.383975	1.89766	1.541793	2.273625	NA
NA	2.688367	2.835018	3.143462	1.239417	1.973221	3.145514	2.528473	2.786186
2.90517	2.055773	2.409057	3.307018	2.383899	2.517004	1.976735	2.555284	1.179767
3.808385	1.349845	3.140352	1.762123	2.036595	2.582829	3.434667	2.08112	3.041209
2.017431	2.119845	1.608444	2.986608	2.207168	2.143466	2.71574	1.580684	2.03237
2.39281	2.270542	1.569874	2.490674	1.548572	1.924693	2.053236	2.258402	2.305299
2.380657	1.640285	2.124865	2.2793	2.388678	2.059414	2.645723	1.924882	2.295407
2.264794	2.961547	3.053853	1.899092	2.389005	3.02534	2.827232	2.690503	3.018771
2.692885	2.338576	1.826041	3.400324	2.617822	1.678476	NA	2.195735	1.290679
2.933043	2.557661	2.257314	2.95063	1.467368	2.325479	2.268488	2.263286	2.138229
1.273413	2.676949	1.503928	2.127282	2.317241	2.862517	1.951052	2.825945	1.39361
2.00468	2.267028	2.043493	3.615255	2.057702	2.500847	2.906411	1.7775	2.023253
3.276536	2.546567	1.768003	-0.36427	3.223958	1.942691	3.08818	3.193513	3.126729
1.955309	1.992238	2.210819	1.889412	1.929303	2.050716	2.095938	1.676425	2.088151
2.167343	2.401396	2.098162	1.478111	2.04348	2.545796	2.402867	2.816842	1.220978
2.320383	2.197854	1.75088	2.340622	1.82233	1.75177	1.523857	2.578796	2.507636
2.767389	0.841916	3.046404	3.334232	3.162759	2.024026	2.061709	2.904164	3.677495
2.57539	2.027676	1.938801	2.244108	2.158218	1.861394	2.05445	2.385628	2.518347
2.380064	2.865701	2.596872	2.690386	2.083235	2.84474	2.120111	2.477467	1.653797
3.916612	4.358392	3.985	3.765926	3.53779	3.144232	3.880815	3.918415	2.309049
2.187258	2.422139	2.352657	2.08469	2.617537	2.069495	2.547981	2.117664	2.628301
2.26843	2.228317	2.164533	2.534359	1.949732	2.428576	2.245104	1.916495	2.488236
-0.48691	4.510779	1.958505	1.076229	1.814622	1.867422	4.26041	NA	1.007046
2.328425	2.18933	1.244678	4.178738	1.385804	1.43317	1.153472	2.591093	1.533441

3.210873	2.598821	3.200276	3.725499	3.565809	3.507643	2.868329	2.458954	3.175915
NA	NA	2.422563	2.352471	2.423077	2.903375	2.327172	2.271949	1.97923
1.131276	2.255077	2.549544	1.533573	2.471272	2.12932	3.107276	2.540811	1.564738
NA	1.910636	2.862466	2.291745	2.428323	2.862055	2.457795	1.738872	2.230842
2.792997	1.329394	2.941538	3.591498	3.658376	2.500059	3.447944	1.339199	3.014496
2.89107	2.595174	0.163498	3.014861	0.838109	2.825044	3.055553	0.18544	2.634004
3.964633	3.663433	4.035086	3.643131	2.80307	3.691317	3.816465	2.977807	3.640407
2.854575	2.244984	2.932687	3.225018	2.687889	1.826142	2.931926	1.955038	2.958764
1.739373	2.263018	2.076218	1.274189	1.103491	2.385564	2.630959	1.415451	2.567573
2.863494	2.287922	2.355293	1.477222	1.636249	3.155254	2.874502	2.267938	2.999806
4.697841	3.622136	4.961454	2.42723	3.037711	3.244225	4.28969	3.244857	3.191138
2.737186	2.967975	3.492074	3.068731	2.035435	2.980125	2.305783	2.993644	1.893295
2.277493	2.242647	1.43773	3.212757	1.650162	2.477499	1.828001	2.701246	2.115458
3.603201	2.810182	3.393963	3.124031	2.834794	3.374878	2.185804	2.961604	3.109215
4.226097	3.810277	3.94196	3.742309	2.251036	3.76803	3.26824	2.881444	2.664291
2.095715	2.260837	2.110654	3.106933	1.38086	2.451249	1.383313	2.712499	2.475306
2.113413	2.501711	2.514679	2.478449	1.47411	2.642021	1.698454	2.710698	2.243647
4.406234	3.506215	4.690152	3.658264	1.718971	4.375218	3.379965	3.282992	0.030322
2.689724	4.212689	1.865787	2.446949	2.631593	2.350801	2.235609	4.000881	2.785985
2.265862	2.573337	2.319326	0.450119	NA	2.543919	3.25213	2.938984	2.61968
1.382767	2.565598	1.480034	-0.12192	-0.4256	1.893921	2.129265	2.475074	2.114553
1.80247	2.429381	1.75308	4.022576	2.457373	2.75416	1.70915	2.62095	1.25727
2.127408	2.588457	2.780626	3.489313	3.476134	2.675248	1.665638	3.497223	3.273209
2.054964	2.550743	3.060459	1.331111	1.536113	2.095029	2.666568	1.923069	2.502411
3.746036	2.085052	2.888303	3.201424	2.528167	3.496709	3.344446	0.706972	1.772843
2.040252	2.446553	1.479643	2.968781	1.770337	2.315408	2.101544	2.856915	1.556926
2.825031	2.533971	2.689625	1.854417	2.046843	1.910755	2.629117	2.33062	2.698941
2.621473	1.889513	2.972863	1.483415	1.808495	2.716862	2.644405	1.18948	2.353681
2.776269	1.190482	2.68339	1.709299	1.104756	1.637153	2.959569	1.206987	1.228455
-1.14967	1.380776	0.016433	0.92073	0.047157	1.998895	3.303958	3.441622	1.471725
3.567105	3.462111	3.528085	3.533165	2.906538	2.961386	3.815043	2.455679	3.497741
1.959297	2.395555	2.425836	1.152299	0.46607	2.643673	2.758203	2.316225	2.156903
3.655726	2.495389	3.994806	3.516207	1.628466	2.780896	4.442509	NA	1.702245
1.551867	1.836781	0.662364	2.594873	1.990504	2.287427	1.069697	2.120187	3.066756
2.289359	1.729233	2.298593	2.051713	1.6698	2.248605	2.37311	0.778482	1.784073
2.852822	1.771307	2.135767	3.736884	1.92491	2.742193	2.811854	3.063019	2.513993
2.564799	1.777778	2.278758	2.075755	1.506158	2.23326	1.580472	1.991654	2.148449
2.024022	1.816938	1.165464	2.584113	1.83193	2.005851	1.366194	NA	1.839179
2.443782	2.321409	2.660329	2.252946	2.173695	2.615839	2.414623	1.323387	2.260021
NA	3.292619	1.458047	1.907134	0.658037	3.083141	3.266383	3.230721	2.104174
3.177739	3.291371	2.579945	3.364688	1.909904	2.963508	2.718526	2.59609	2.790829
2.060073	1.336724	1.231838	4.27267	3.220273	2.283999	1.722439	3.327412	3.174149
4.280023	2.897724	2.588242	3.270129	2.458361	3.310526	4.052829	2.247029	3.134998
2.230149	4.385651	2.630788	2.247151	1.418608	2.69678	2.75961	3.561824	1.456745
2.483481	2.085666	2.907288	2.302135	1.976943	2.446934	2.41272	2.465797	3.153591
2.439285	2.198347	2.685333	2.145512	1.931397	2.177848	2.408385	1.940535	2.25733
3.187146	2.81773	3.510794	3.049675	1.433291	1.971559	2.651741	2.53443	2.73454
3.478741	3.248944	3.653972	3.237731	2.844058	3.388729	3.413765	3.256132	3.019477
2.941442	2.885839	3.12123	2.746787	2.566564	3.130537	3.092256	2.237404	2.827034
2.309502	2.061493	1.956475	2.425134	1.728986	2.883996	1.747276	2.764863	2.222986
2.18227	2.444878	1.624982	3.733821	1.706691	2.018826	1.771406	2.895033	2.599076
1.773207	0.848777	0.970693	1.370145	3.14611	1.217343	2.290372	1.311775	2.973644
2.814657	2.537653	1.818901	2.569307	2.765415	2.757192	2.335825	2.889718	2.869753
3.755363	3.562117	3.004993	3.854404	2.882549	4.507252	3.839004	3.2415	2.881925
1.034366	1.335731	2.106207	1.87333	1.360227	2.486897	1.303965	2.168555	1.132331
3.185913	2.303154	2.81527	3.227739	2.573093	3.471306	3.176831	2.925949	2.883763
2.40232	2.892558	2.672628	1.040017	2.9476	2.567792	2.28939	2.719665	2.804449
2.667277	1.819078	2.288558	2.541696	2.066369	3.258577	1.49438	1.95365	2.401895

NA	2.578141	3.214369	1.755421	2.339147	2.375047	2.856885	1.902941	2.93367
3.753565	2.30639	3.100306	2.006491	3.228429	2.637559	4.209525	2.121858	3.346387
1.400458	2.275125	1.713038	1.948753	2.279479	1.187304	2.6558	2.255729	2.591795
1.761442	2.328926	1.391084	4.362633	2.177795	2.606439	1.184387	2.624762	3.024137
2.10576	2.078224	2.282028	1.681453	1.984358	2.279782	1.796931	2.007658	2.796273
1.234527	3.181521	3.55831	2.960975	3.969452	2.442975	0.483348	5.60184	1.414915
2.522386	2.365244	2.611103	2.611175	1.995935	2.358371	2.355086	2.130369	NA
0.63713	2.312783	1.198608	2.058694	1.693691	1.254243	2.037781	2.57648	3.255662
2.987919	3.444323	2.748166	3.162678	1.491634	2.576846	3.013386	NA	1.969186
2.544147	2.252051	2.357963	2.113973	2.559111	3.238183	2.577246	1.313913	4.296646
2.538765	1.760374	1.944171	3.501127	1.407734	2.92406	2.114874	2.613913	1.888071
3.315419	2.30298	3.160673	3.795359	3.212926	2.532049	2.05213	2.610698	4.109838
0.503683	0.497718	2.320468	-0.46241	3.52706	1.131405	1.559307	1.899525	2.513827
2.733913	2.101905	1.440737	2.85195	2.435114	2.35039	3.246657	1.886048	2.754239
1.537624	1.987244	2.402643	1.883093	1.576608	1.704147	2.075658	1.361146	2.063656
3.684992	2.343578	3.967465	3.986974	2.635729	1.830696	4.071487	3.644169	1.227221
3.302443	2.449667	3.102641	3.139333	2.29219	3.065365	3.324047	1.831202	2.957434
2.287531	2.514997	2.036621	2.922016	2.111111	2.804425	1.807681	2.265406	2.085908
1.977881	1.778087	2.045735	2.815245	1.926276	1.677747	1.912161	1.96319	2.370227
1.712168	1.81234	1.089263	1.180476	1.267472	1.921528	1.895646	2.019344	2.636292
2.724693	2.194085	2.802116	2.240598	2.401841	2.511547	2.478416	2.491704	3.087948
4.484557	2.361234	4.519449	3.050949	3.737977	3.502692	3.07507	2.286208	3.44978
3.050362	2.651196	3.145717	2.294088	2.210251	2.660573	3.003327	2.173294	2.16734
2.290203	2.468447	2.400305	3.038185	2.165167	2.24146	2.120457	2.397001	2.851304
2.191564	2.646749	1.753586	2.810369	1.988161	2.6321	1.904164	2.896903	1.825151
2.522223	1.817446	1.598444	1.636755	2.185805	2.330651	2.050854	1.90005	2.526631
NA	1.168158	NA	-0.04687	2.398751	1.257223	2.129163	2.008599	1.575446
2.756177	1.760446	1.775273	1.922085	3.096087	2.423938	1.204634	1.903453	1.689674
2.901324	NA	2.183348	3.223457	1.791993	2.969274	NA	3.569316	1.332022
3.800489	1.713943	2.527599	1.539523	2.227992	3.783295	4.150683	2.291471	3.946766
1.94246	1.87555	1.744105	-0.77458	2.75261	1.90725	1.575202	2.911443	2.900224
2.861492	2.69957	1.816848	2.561181	1.435658	2.082795	2.769085	2.469383	2.96102
1.575171	4.324011	4.424644	2.442902	2.403411	3.201438	2.638636	3.769231	0.645277
1.226862	2.48576	1.830607	1.924677	2.149732	1.781244	3.095928	1.757604	2.623255
2.193881	2.046312	1.171189	3.667416	2.817537	3.298866	2.438945	3.311568	1.213181
4.035498	1.499447	2.749467	0.734439	3.446019	2.450845	3.344986	1.538451	4.219929
1.945506	-1.17477	2.286116	3.722505	1.848259	3.125418	0.649194	2.963785	1.93754
2.476361	2.364307	1.984483	3.178071	1.472055	2.709391	2.197954	2.633279	2.380722
NA	1.672826	2.321608	2.03597	1.476734	2.131916	1.889486	1.392559	2.462713
2.181875	1.723216	2.949609	2.539511	2.660743	3.363554	2.393732	2.319266	1.643586
2.995956	2.908713	2.127195	2.193626	2.493245	2.076915	2.064904	2.563075	2.700282
2.963455	1.507094	2.45384	3.338651	2.923204	2.563238	2.64433	1.899921	3.131601
2.012579	1.70234	1.580008	2.516077	1.431166	1.924927	1.386271	1.958681	1.517011
2.656724	1.508753	2.015192	3.633654	NA	1.625047	2.410656	1.722642	2.339619
3.303281	2.87386	3.425196	2.293305	1.549061	2.163348	2.493598	1.353716	1.50141
2.321783	2.312324	1.197904	2.059548	3.210117	2.714094	1.171013	1.587337	1.509196
2.54797	2.400657	2.485793	3.183292	2.393717	2.588084	2.394084	2.680438	2.886701
2.151877	2.729687	2.405067	1.756541	1.685736	2.405474	1.717454	2.334435	0.97081
0.175296	1.165021	1.47278	-1.80878	-0.15269	1.645089	1.829531	1.45848	1.698707
1.865098	2.66931	2.863366	1.761215	1.535986	2.204101	2.841841	2.171962	2.645758
NA	1.978609	1.090743	0.843731	1.845865	1.552223	1.82063	1.528557	1.060609
2.368187	2.376083	1.805306	2.596995	2.013652	2.254916	1.877974	NA	2.344097
2.404578	1.549261	3.460156	3.497046	2.644438	3.347754	2.870448	1.677921	2.789862
3.819391	2.793359	2.94196	3.321816	3.030647	4.225778	2.535134	2.736556	1.303595
1.42375	1.491066	1.474285	2.997437	1.968906	2.106105	0.945661	1.939146	2.667172
2.49023	0.907508	2.317781	2.1687	1.371657	1.989377	1.79096	0.962878	1.785059
-0.10111	2.712987	3.998029	1.471236	3.915329	2.916639	2.032392	4.489147	2.243624
1.525751	1.92085	1.375574	1.852819	1.73244	2.411779	0.966699	3.03398	1.660631

NA	2.212862	3.378002	0.031557	2.111781	2.61216	2.165896	1.458311	2.011415
2.041477	NA	1.838934	1.568723	2.611295	2.590911	1.677959	2.869719	2.726228
3.17385	3.530747	3.137384	2.788318	2.941493	2.377941	2.863046	3.443281	2.443749
2.413893	2.049527	1.875982	1.257461	1.621248	2.403597	1.350521	1.927349	1.834957
3.266816	1.889747	2.853679	2.242667	1.735641	1.919162	2.696873	2.3747	1.400387
2.091483	2.259694	1.360429	2.782708	2.748318	2.027314	2.261475	NA	2.422886
2.944624	2.874311	2.875632	1.947711	2.581215	2.96399	3.741445	2.423112	2.535723
2.689017	0.910038	2.70535	2.062688	2.298324	2.755747	2.403181	2.072152	2.380156
1.770438	2.169428	1.770352	2.038462	2.497375	2.400452	2.180476	2.018834	2.757062
1.950992	1.562186	1.754567	2.167758	2.297735	2.337128	2.886042	1.622357	3.342183
2.202988	1.693711	1.655122	2.401438	2.164665	2.241729	1.652063	2.668615	1.359255
1.767806	2.962323	1.682614	1.601333	2.088836	1.955661	2.845273	2.406061	2.992135
NA	2.701988	3.432353	2.805908	3.507427	3.652699	2.717618	2.405113	0.846622
2.966239	2.313052	1.945982	2.618469	2.691706	2.514666	2.684556	3.316998	3.39635
2.45367	2.134128	2.388909	2.77367	1.356339	2.439076	2.326745	1.673342	1.097022
2.518554	2.484952	2.509396	2.26337	2.170651	2.256533	2.813167	2.58301	0.62543
3.310397	2.698353	2.579026	3.423574	0.924132	2.764216	3.00903	1.372103	1.72081
2.716699	2.421231	1.420148	2.920438	NA	2.047917	1.812051	2.799072	2.004487
2.37576	3.539041	2.629541	2.206943	1.549194	2.321747	2.150282	3.181998	1.16822
1.536652	2.120436	1.304287	2.372307	1.873233	2.547848	2.028019	2.564623	1.797577
2.06806	2.24238	2.059143	2.203397	2.184329	2.739111	NA	1.26532	2.614308
3.276671	-0.23844	2.178409	2.616125	1.610067	2.537787	2.187591	2.124505	-0.36072
2.384627	1.700813	2.112292	2.380877	1.928684	1.984717	2.352739	1.875382	2.785475
1.757671	1.766012	1.314271	2.018764	1.700303	1.996499	1.534719	1.617903	1.711164
3.635918	3.507145	3.8213	2.821169	3.667292	2.820445	3.498721	4.277787	0.776031
3.135769	2.105138	3.184074	2.32623	1.951368	2.604083	2.639717	1.359841	1.322404
2.818272	2.803314	3.159174	2.849105	1.88275	2.553377	2.37687	2.537063	2.16277
2.529677	3.641265	2.857913	3.185757	2.338661	2.677302	3.065772	0.80844	2.177291
1.945186	2.64876	2.960338	1.73308	2.392913	1.976193	2.200122	1.548394	2.965863
2.543894	3.015492	3.069132	2.376928	2.402543	2.545366	3.235652	1.844679	2.309715
2.302239	2.565846	2.110658	1.277757	1.613444	2.519701	2.350379	1.566011	3.080787
0.982878	2.022138	1.238728	2.044766	1.463619	1.242151	1.691638	1.324348	1.951862
2.875718	1.737073	2.436959	2.196414	2.27051	1.939513	2.488141	1.220061	2.691945
1.022463	2.753723	1.90967	2.840787	2.18456	3.390848	1.757905	2.372372	0.750145
1.579518	1.750533	0.61072	2.051486	1.197966	2.150951	0.835497	1.953194	1.356449
2.62178	2.340586	2.244647	2.012925	2.430548	2.368371	2.48472	2.227568	2.564839
3.484263	2.773912	2.338144	2.072772	2.363181	2.249536	2.514453	2.429001	1.904017
2.264442	2.140441	2.052116	1.661132	1.914643	2.340728	2.280994	1.923515	1.738395
1.055958	0.997743	0.161938	2.850362	1.71823	1.800155	0.731888	2.871917	2.169023
2.455334	2.607344	2.759951	2.671205	2.400647	2.93125	2.847749	2.310345	2.636928
2.967542	2.260302	2.514118	2.753903	1.286304	2.497266	2.898001	1.919722	2.788942
3.203332	4.179669	4.046144	3.367647	2.819704	3.945293	3.769862	3.123702	NA
3.09044	2.431173	2.377779	2.456653	2.408172	2.193402	2.79739	0.93544	2.715708
2.647618	2.463272	2.516562	2.441671	2.193852	2.131686	1.753084	1.667476	1.797048
1.86018	2.212733	1.768824	2.748319	2.147646	2.153008	2.317624	2.404508	1.069846
2.923731	2.766023	3.335488	3.261011	2.122493	2.970686	2.781563	2.131002	1.416915
2.622485	2.117144	2.510761	2.570728	2.096612	2.23832	2.299098	2.41203	2.007181
2.19836	2.483028	2.123457	0.223044	2.012557	2.168943	2.992956	2.311011	2.857959
1.625986	2.003293	1.095668	3.127126	1.60696	2.374853	1.455134	2.366345	0.929582
2.636182	2.27439	2.565131	2.228916	1.946911	2.339291	2.258112	1.891746	2.274946
3.538704	2.805947	3.511667	3.399109	2.536402	3.46876	3.347569	1.969871	3.356977
1.440892	1.701129	0.53818	2.33017	1.03216	2.080647	0.778026	1.151831	1.456938
1.295974	3.106247	1.161567	-0.47209	-0.29378	2.56555	2.553445	2.671527	0.812088
2.747054	3.277382	2.584734	3.208249	3.040053	4.218359	2.380224	3.19261	1.444754
2.423275	1.562972	2.483064	2.427632	2.769951	0.798312	3.209378	1.214105	1.859376
2.096341	2.288305	2.323848	2.774316	1.349819	1.954463	2.028685	2.729119	2.23989
3.352024	3.222972	3.572566	3.255686	3.172864	3.332814	3.469763	2.602343	2.988849
NA	1.89573	1.770495	1.930374	1.691503	1.917791	1.963447	1.870761	2.020748

2.075706	2.027805	2.346028	2.152647	2.536906	2.00925	2.388414	1.949188	2.585225
2.198026	2.665902	1.798057	3.590368	1.113612	2.510359	2.094074	1.799774	1.541368
3.896803	0.960675	2.411714	2.215875	1.52491	2.341321	0.79445	2.702665	2.919117
2.618506	2.432398	3.003811	2.761139	1.657839	2.607402	2.647382	1.573127	1.747081
2.522944	2.851257	2.612265	1.023395	3.203664	2.820106	2.469743	2.040441	2.332499
1.157391	2.031935	1.054841	3.213004	1.962914	1.929794	1.625647	1.777699	2.399527
2.179746	2.049564	2.115384	2.449828	1.43414	2.198405	2.029482	2.935135	1.379866
3.284336	3.590069	1.989584	3.746183	0.950544	2.863875	1.2805	2.305366	1.12682
NA	1.379351	1.125366	1.976351	2.112826	1.807665	1.612036	-0.02745	1.842394
3.363165	2.287593	1.209653	2.020904	3.393234	2.613351	4.217531	2.152691	3.299077
1.951342	1.836033	1.52342	2.204022	1.488324	2.481704	1.991902	1.722202	1.761775
1.883571	1.410963	1.554456	1.949176	2.654843	3.440708	2.555542	0.890088	1.060686
1.665557	2.156634	1.054468	3.091487	1.846076	2.5552	1.481054	2.691501	1.993891
1.536945	2.14537	1.49988	2.163656	1.542225	1.982776	0.90341	1.770463	1.651505
2.592619	1.875534	2.584619	3.019396	1.896632	2.40718	2.330783	2.184243	2.102373
3.415414	2.401011	2.592501	2.317637	2.05166	1.981235	2.508806	0.343563	2.382518
2.298861	2.808494	2.420372	2.373439	2.245826	2.392978	3.413156	2.95591	1.863508
1.968865	2.316125	2.438119	2.979068	1.022741	2.602205	3.200314	2.725007	2.21629
2.662635	1.966069	3.179654	3.10656	2.459863	0.853315	2.893225	1.928094	2.869301
1.32041	1.532711	0.80158	4.683762	3.567806	3.812224	2.352774	1.614363	1.514225
2.41295	4.809602	3.950172	3.543788	3.386269	0.814616	2.724252	3.951178	1.092055
2.311045	2.789363	1.772431	2.824662	3.630006	3.098636	2.957747	1.800337	2.736094
NA	1.813644	1.815884	2.450759	1.680007	2.604436	2.226725	1.895493	1.92041
1.904945	0.969757	3.559117	3.201608	4.430761	1.561206	2.60043	4.18943	1.577904
1.769764	1.891409	1.830241	2.104077	2.36718	2.326061	1.929757	1.832638	2.847318
1.342661	1.931413	1.14067	1.591038	0.849779	1.97401	0.534106	1.805463	1.346077
0.799682	0.982828	1.473907	0.143199	1.562259	1.510968	0.360882	1.454051	-1.01689
2.341135	1.712813	1.665006	-0.09904	2.485707	1.189501	1.770818	1.946343	1.134152
2.048904	3.138031	2.017313	1.435747	2.604344	1.935021	2.606762	2.625073	3.422294
2.641221	0.677094	2.689445	3.210493	NA	2.455727	2.370278	0.792129	2.405477
1.181665	NA	1.683507	2.677319	1.344133	1.695065	1.591735	2.239083	2.018447
2.346324	2.782662	2.494857	2.951384	2.86	2.076603	2.223782	2.973559	3.125316
2.449591	0.865887	2.231465	2.045462	0.859802	2.100835	1.541347	0.08831	1.046975
2.969925	2.601017	2.432503	2.392946	1.903335	2.386365	1.848891	2.370214	1.886868
2.037704	2.406741	1.250293	3.879511	2.113483	3.308089	0.636424	2.722394	1.766355
2.344478	2.172284	2.14101	1.960118	1.647124	1.975421	2.173074	1.182299	2.135745
2.126786	1.980878	1.757567	2.345491	1.71002	2.52137	2.064185	1.559349	1.245785
2.666098	1.287534	1.658128	1.773126	2.563391	2.621616	1.730086	1.321719	1.971692
2.182709	2.502492	2.647216	2.377062	2.162446	2.540943	2.638405	2.175657	2.619449
0.269294	1.703012	2.462577	2.200961	2.134202	2.021557	2.426202	2.506091	1.747168
2.291203	2.094641	2.060943	2.878036	2.368931	2.51802	2.562216	2.142857	2.742606
3.651106	3.122466	3.379899	3.464623	2.995619	3.262741	3.296439	3.247082	2.382216
1.438075	1.84506	0.771828	2.899331	1.974417	2.082364	0.879268	2.253018	1.726075
2.370887	2.060236	2.818742	1.457076	1.869017	1.826022	2.481853	1.170357	2.428569
3.979131	1.636349	3.51281	3.703975	1.74035	2.541579	1.939282	2.237709	2.096171
1.21365	1.478051	2.71169	-0.14844	2.104873	1.766932	2.853522	1.886984	1.898742
1.780339	2.609212	0.826938	2.077192	4.585265	2.676233	1.289556	1.996415	2.136883
3.185673	1.27036	1.822085	1.726437	1.996393	1.949834	2.073408	2.335363	3.200976
1.529776	2.275221	2.592849	1.596246	2.121962	2.053735	2.560941	2.367885	3.227381
NA	2.722478	2.796175	1.662898	1.999642	2.152245	2.667052	2.618266	1.820329
3.557649	3.016937	3.742664	3.024921	2.65478	3.080229	NA	2.557451	2.898782
3.886154	2.600171	2.848906	3.320214	2.561378	2.566828	3.097947	1.218852	2.773639
1.652381	2.693646	1.383415	3.332534	2.034702	2.587266	0.585513	2.038372	2.160377
2.676494	2.23769	3.097907	3.177156	2.294048	2.245873	2.54415	2.103081	2.462009
2.156238	3.396585	2.537806	2.354013	2.432642	1.625758	1.440396	3.936865	1.553775
1.881899	3.186458	2.486188	2.628308	2.345282	2.385728	2.470946	2.432987	2.210328
1.082082	0.895442	1.18319	0.911052	1.429499	1.622728	1.729187	0.965326	2.331477
1.815606	1.983318	1.934328	2.020584	2.162	2.312522	2.012034	1.816243	2.83851

1.203216	1.166651	0.204795	0.24229	2.993435	1.583909	0.861703	2.056096	1.509412
3.597029	3.01104	3.32818	3.289436	2.944906	1.689719	3.677295	2.598518	2.411769
1.052557	-0.84854	1.8045	1.887616	2.778385	-1.91197	-1.69747	2.601126	2.605422
2.086902	1.392727	2.028069	0.143707	2.072446	2.036041	1.94368	1.920678	2.120676
1.434211	0.721926	0.931019	2.403351	1.20398	0.89455	1.20366	0.962847	1.560521
1.726193	1.477053	1.62724	1.452465	0.564138	1.743705	1.282962	1.160737	1.321927
1.09479	3.16015	1.848156	2.804928	3.317059	2.640581	1.597181	2.189169	NA
3.307344	2.024958	2.973739	2.157541	1.691629	2.90626	2.828157	NA	1.649229
2.022646	2.211851	2.776519	2.763093	1.428312	2.873601	3.536701	1.030457	2.076735
2.136858	2.244245	4.475625	3.612664	3.010775	2.241172	2.897998	3.742671	2.222749
0.56395	1.644327	1.289732	0.146266	0.117185	2.033425	2.41903	1.963523	1.525423
1.745761	1.745323	1.983801	2.404527	1.606344	1.953837	1.60535	1.866773	1.677469
2.868586	2.528742	2.696641	3.085163	2.609168	2.889712	NA	2.235162	1.581819
2.260089	2.130504	2.050266	2.031538	1.772898	2.203734	2.275486	1.99881	2.25448
2.031561	1.905478	1.701957	-0.616	2.864313	0.78059	2.47246	2.342331	1.881444
1.753421	1.515889	1.544008	1.236893	1.759188	1.541433	1.320799	2.207371	1.793267
2.475509	2.643511	3.505456	2.292165	2.040672	2.608635	2.861531	2.673405	2.322941
2.369579	1.161866	1.066468	2.924482	2.588722	2.407409	1.269929	2.156994	1.802074
1.940083	1.540012	1.844489	1.49716	1.538443	2.195509	2.474628	0.791923	1.787507
2.628858	2.259144	2.670955	2.495797	1.520632	2.886754	2.704897	1.553656	0.946456
2.469558	2.305903	3.035895	2.617331	2.008423	2.352115	2.995549	2.997143	1.373788
2.95305	2.46574	2.641065	3.087996	2.684658	3.360278	2.779986	1.885101	2.968528
1.31094	1.15028	1.100437	1.543518	2.263664	1.388815	1.525915	1.916872	2.889388
0.145491	2.303736	2.617931	3.236853	2.411952	2.920911	2.792533	2.6004	2.067778
0.962542	2.423505	2.774351	2.839172	2.569826	2.139826	2.519787	3.160694	1.571181
2.345999	0.799918	1.862545	1.553949	1.496508	2.276792	2.234598	2.040321	2.142308
NA	2.164866	2.124554	1.626811	1.853233	2.031007	2.119729	1.76726	1.961655
1.334357	1.661731	0.725101	1.955145	1.441669	1.965528	0.950433	1.87774	2.359414
1.955794	2.483587	2.929462	1.526292	2.810675	3.248127	2.954304	1.263423	3.043891
2.877368	3.599357	2.924034	2.447972	2.692159	3.214638	2.874207	3.644015	0.644647
2.447483	2.136263	2.019453	2.235191	1.500674	2.480694	1.487488	2.436049	1.897618
1.213763	2.269723	1.565926	3.428922	1.615222	3.139805	0.867189	2.079589	1.813244
1.064826	1.707592	1.689546	1.710901	1.200957	1.338534	2.39002	1.554118	1.618476
1.259369	1.85866	0.132946	3.446302	2.249028	1.786706	0.928465	1.662347	2.608855
NA	2.61289	1.871515	1.491026	2.916193	1.355245	2.755746	2.606941	2.76552
1.467207	1.837536	1.600174	2.737646	1.694273	2.3944	1.425436	2.404308	1.324746
2.955189	2.347722	2.62274	2.567751	2.043011	2.199037	2.09898	2.325575	2.603636
2.343569	2.327083	2.748284	2.193028	2.404998	2.69868	2.367819	1.917544	2.17292
NA	1.151492	0.450564	0.7667	1.118481	1.088812	1.914412	2.322798	2.265851
2.604983	1.281866	2.975707	-1.265	1.41676	2.410999	1.874516	2.123182	1.452668
2.174349	1.298989	1.841693	2.048988	2.021519	1.83162	1.903578	1.074478	2.052444
0.329484	2.370446	1.065584	-0.12925	-0.22134	1.698964	3.052117	2.930001	1.770945
2.893705	1.865546	2.198045	2.759686	2.450808	-0.43719	2.753558	2.384367	2.26844
1.976865	2.348764	2.000164	1.524286	1.825611	1.946055	1.731366	1.779436	2.271445
2.360051	1.856298	1.662939	2.407284	1.231002	1.904077	1.613069	1.518745	1.475539
1.982575	NA	1.247784	3.110613	1.901304	2.323214	1.66617	2.851803	1.026858
0.772739	1.003446	0.713724	0.608399	2.306315	1.590307	0.565462	1.918995	2.547359
3.002497	2.011229	2.416896	2.507768	2.07397	1.618803	2.415978	2.04967	2.648431
1.261536	2.299062	1.337401	2.086398	1.583689	1.053237	3.183549	NA	2.587384
2.609118	2.714881	3.134075	0.503657	1.643813	2.037228	2.290709	1.334283	2.601951
2.291642	1.673086	1.79116	1.712827	2.018725	1.517492	2.75768	0.461196	2.915803
NA	0.482613	2.11726	2.179845	1.10946	NA	1.4367	0.698467	1.026639
1.066967	1.537305	0.803494	0.224917	2.466799	1.77903	1.497117	2.274224	2.167856
0.707689	1.786661	1.966905	0.683061	0.402059	1.729849	2.403594	2.158622	1.944989
2.902435	2.433861	2.414689	2.715007	2.374485	2.544987	2.978351	2.326629	1.612029
0.722851	1.350532	1.3836	2.914221	2.898171	-0.45032	1.372542	2.339176	2.53205
1.500785	1.867194	1.48599	2.396791	1.518284	1.750524	0.662514	2.476962	1.499585
2.405787	2.775639	2.273491	3.959401	3.663925	2.896103	3.924624	3.659445	2.644405

2.089338	2.047705	1.869669	2.412488	1.6528	2.178875	1.939117	2.015211	2.603968
2.538769	2.762908	2.545067	1.310702	2.611256	2.763961	3.091597	1.637661	3.187876
0.806628	2.02027	1.772901	1.486734	1.145046	1.801374	1.637842	1.985899	0.946434
3.157092	3.033027	3.369671	2.792852	2.233484	2.56624	2.966356	2.304635	3.023957
1.883581	2.607763	2.614969	2.133552	1.844903	2.402531	2.45099	2.382723	2.024157
NA	3.546688	2.925661	1.846424	2.873125	1.86355	1.824622	3.393898	1.83348
3.145005	2.226029	1.750627	1.642383	2.102565	3.353427	3.241256	1.416741	1.644099
1.59984	2.109582	2.054513	1.904225	1.213315	-0.9729	1.795003	1.683962	1.582607
0.646504	1.053457	0.514542	1.805904	1.29187	1.126827	0.716312	1.237566	0.638198
2.275171	0.508615	1.766642	2.443816	1.835378	2.349943	1.851128	0.95692	1.75361
1.656903	1.965829	1.098806	2.516605	1.663206	2.262195	1.204933	1.902011	2.035563
1.457377	1.29684	0.68915	2.187038	1.762537	1.061578	2.031833	1.564592	1.762735
0.813103	1.864212	1.127419	0.706016	-0.18749	2.03253	2.722393	3.481839	1.236826
1.171369	2.796388	1.956507	1.180293	0.192013	1.614525	2.05923	2.355787	1.143992
1.404571	1.665404	1.76778	0.991557	0.829707	1.51551	1.376936	1.662122	1.593869
1.681884	2.069251	1.810286	2.196761	1.882386	2.08084	1.99269	NA	1.644092
1.80456	1.965464	2.145742	2.01426	2.323183	1.59265	2.406202	1.79061	2.770829
2.325567	1.724631	2.108704	1.45971	2.954856	2.492265	1.91255	1.561039	1.387778
1.646084	1.812245	3.416847	2.323011	1.778009	2.155953	1.885371	1.003474	1.737733
2.206283	2.791818	2.666409	2.016161	1.975867	2.050104	2.251299	2.492059	2.710402
3.118911	2.386014	2.673691	2.099482	2.007493	2.032025	2.198158	2.344412	2.026899
NA	2.395142	2.299194	4.61094	1.949546	2.293792	2.099245	2.112606	3.200714
2.134553	1.771254	1.907887	1.48887	1.556188	2.084462	2.402308	1.472436	2.712374
2.982638	2.705004	3.196378	3.061987	2.726399	2.770817	2.837248	1.881497	2.99042
3.216034	0.60898	2.77822	2.887998	1.704154	2.388549	2.685063	2.453063	2.426459
NA	NA	0.542654	3.19139	2.235854	3.306522	1.647137	2.630656	1.918511
1.662864	2.095813	1.052066	3.555627	1.910183	2.307247	1.345346	2.385117	2.506887
2.331581	1.475246	1.621262	NA	1.959304	2.022273	2.328827	3.359895	1.039248
1.295505	1.199878	1.167867	1.623707	1.384178	0.833639	1.773217	1.350626	1.822645
-0.20395	3.039106	0.857977	-0.29641	1.539626	1.904389	2.216804	3.215328	2.129696
NA	2.360988	2.127455	1.910602	1.988657	NA	2.1425	1.995313	1.781875
2.110007	2.060479	2.442512	2.05429	NA	1.662902	2.11324	2.210605	2.04262
2.19555	0.827143	2.130477	2.713113	-0.78502	2.274683	1.61543	2.072371	1.626754
1.432535	2.288087	2.216949	3.477764	2.977855	2.079222	1.5302	3.148693	2.649226
NA	1.861473	2.052499	3.00394	1.800354	2.162948	2.221463	-0.04617	1.937808
1.673764	2.020085	1.427986	2.093162	2.018171	1.960053	NA	1.565236	2.177293
1.308268	2.843038	2.432944	1.75823	2.403994	2.868496	0.225444	3.870748	-2.31306
1.337238	0.757125	0.735603	3.670885	2.136788	2.326075	0.874981	1.871731	2.477784
2.160388	1.745457	2.432	2.005949	1.529306	1.935463	2.343126	1.558213	2.018112
1.621469	2.113742	0.548643	2.860772	3.019478	2.572695	3.108669	2.70239	1.152573
3.031265	2.058722	3.168523	2.866073	2.487559	2.864437	2.15151	1.139154	2.434468
NA	0.773738	1.961088	0.48005	1.204395	1.799373	1.725974	0.718718	0.964677
NA	1.395066	1.601815	2.01716	1.771289	2.001044	2.211534	1.941989	2.288284
2.099686	2.528871	2.071866	1.456271	2.467939	1.47183	2.286689	1.712665	3.162868
1.349493	1.786041	0.007638	4.009659	2.001071	1.759971	0.212327	2.394996	1.943808
1.565004	2.264769	2.182769	2.717602	1.97472	2.612993	1.736269	2.352161	2.132469
2.885378	2.532455	2.985534	2.149852	2.578995	2.346962	2.352239	1.763026	2.425752
2.985094	2.45756	3.402842	2.552829	2.300153	3.236878	2.464998	1.663802	2.714339
2.108984	2.054232	1.939564	2.069076	1.826053	2.493325	1.813758	2.567506	1.761195
2.080993	2.235496	2.404585	2.02691	1.593319	2.049689	2.135773	2.534118	1.60821
1.880626	2.693551	2.502848	1.228497	1.437585	1.589997	NA	1.79705	2.375461
NA	2.029643	2.664231	3.083793	1.907494	2.999155	3.059816	2.311046	1.856217
1.682505	2.626372	1.983804	2.119129	2.640988	2.206224	3.026194	1.518518	3.270484
1.527723	2.285952	2.428403	2.465547	2.311258	1.909639	2.508993	2.487847	2.169486
1.826192	2.503301	2.599289	3.525041	2.332019	3.530327	3.057165	2.402302	1.705363
0.683906	0.198758	1.037309	1.028744	2.330698	1.743669	0.613095	2.795766	0.6955
0.859661	1.329197	0.945029	1.495818	0.767283	1.073905	1.027855	1.81311	1.282663
2.205088	2.1077	2.2737	1.773023	1.565359	1.8837	NA	-0.18333	2.345471

2.122012	1.857122	1.773325	1.774645	1.656426	2.387033	1.616214	1.955147	2.393022
2.555581	2.195016	1.935167	1.674636	1.571233	2.463264	2.353109	2.431118	2.088273
2.015289	3.013575	3.662369	0.833391	2.86692	3.47496	4.877283	2.293998	1.900457
2.28766	1.847565	1.35803	1.320432	2.252452	0.694552	2.254257	1.989313	1.788853
2.111294	1.833314	2.577338	2.250557	2.050652	2.253227	2.12219	1.732325	2.058682
2.316328	1.59056	2.233662	2.084597	1.674374	1.993195	1.856835	1.927817	1.590104
2.467087	1.542039	2.425309	2.699112	2.076286	2.36848	1.785343	2.605828	2.456111
2.189339	2.016533	2.102438	2.242278	1.791503	2.260475	2.429549	1.690768	2.032749
2.155421	1.954642	2.359342	2.032492	1.961571	1.973283	2.136491	0.687679	1.922462
0.438224	0.792267	0.430345	-2.08236	0.638911	0.289024	-0.30362	1.281813	1.433511
0.473565	0.695033	0.525581	3.19986	2.9033	1.314705	4.776156	0.80181	1.015994
2.855286	2.081863	2.23468	1.501092	1.668729	2.597213	2.039661	0.629088	1.193933
2.001356	2.262476	2.665106	2.623259	1.766382	2.576954	1.587225	2.31462	2.138873
1.221909	1.742797	1.149636	0.290061	1.198181	2.064453	1.647825	1.767477	0.787944
1.629056	1.754836	1.239336	2.008789	2.942841	1.447312	1.912713	1.701078	2.415757
2.803065	2.131593	2.615036	2.441253	2.1045	2.778995	2.178246	2.056867	2.291491
1.214104	0.60969	1.17204	1.354726	1.876859	2.638607	1.838221	0.628331	1.661674
3.312332	2.740093	3.003526	3.147499	2.011692	2.622489	3.039734	2.845347	2.45058
2.178914	1.21804	1.374012	2.280887	1.468842	0.933375	1.945874	2.027895	0.947139
3.52871	3.27365	3.600671	2.789803	2.326656	3.291219	3.359325	2.242523	3.22723
1.545334	1.267119	1.214265	0.906771	1.914706	2.222563	NA	1.29424	2.548926
2.357305	-0.16938	2.558049	1.04728	2.812959	1.419376	2.001378	2.270324	1.235935
1.612285	2.100821	1.40683	2.961964	1.525178	2.249641	1.592042	1.547895	1.96923
1.855838	3.068885	3.028403	2.093079	2.231445	4.047185	2.515805	3.319403	0.717366
1.518807	2.320666	2.564336	2.720005	2.059137	2.342989	2.848432	1.701547	0.630038
3.039976	1.982944	3.08798	2.483467	2.494407	3.223842	2.639921	2.199571	1.912432
2.022827	1.995854	2.09776	1.70998	1.61871	1.717432	2.078657	1.45424	1.869063
1.259528	1.471293	1.840447	2.623207	1.294929	2.29897	1.526954	2.693377	2.073025
2.703047	2.624355	3.032092	2.757966	NA	2.260374	3.348067	2.226088	2.290178
1.039486	1.92093	1.633673	3.225827	1.458454	1.686187	1.163722	2.129758	0.880092
3.1111	2.74716	2.663016	2.823637	2.480573	2.761312	2.560624	2.22196	1.782078
2.547887	1.532424	1.465795	2.434915	2.265786	3.107525	2.387164	2.005869	1.617485
1.408932	1.523003	1.416309	2.310039	0.848646	1.815957	1.375862	2.078545	1.825439
2.525112	0.82672	2.355814	1.499141	0.700276	1.350106	2.320126	0.39818	1.867778
2.481836	NA	1.673894	2.898188	1.258461	1.207863	1.560753	2.136625	2.260636
1.866416	1.236038	1.826454	3.13465	1.558449	1.543879	1.275987	1.268515	2.722243
2.649413	2.597328	2.328574	3.029889	2.746708	2.594469	2.582503	2.549495	1.591192
2.395177	2.709864	2.501757	1.941546	1.474147	2.16337	2.182779	2.331003	1.556264
2.389811	3.0501	2.057583	1.836591	1.574001	2.80956	1.848197	2.916022	0.770092
3.276852	2.595826	2.896276	0.549666	3.265005	3.406753	2.658624	1.958278	0.979692
1.805152	1.002778	1.230099	3.291835	2.754887	1.752516	2.096809	1.523774	3.085641
2.225411	1.889827	2.062518	2.103143	1.696427	2.612782	1.477649	2.317481	2.239186
2.01498	1.75124	2.349656	2.430204	2.208945	2.331501	2.007629	1.322159	1.697402
1.924695	1.948405	2.442927	2.362932	1.991912	2.966354	1.807764	2.338815	2.339768
-0.68212	3.198254	0.692552	0.395366	3.459203	1.448569	2.516998	2.175357	2.793756
1.683128	1.463541	1.023236	1.810389	1.675189	1.940295	1.599407	1.625618	2.496209
2.379562	2.067581	2.44293	2.680817	2.435709	2.333043	2.387291	2.190973	2.024399
NA	2.73027	2.283784	1.695681	1.612958	2.815391	1.861897	2.012152	2.758046
1.346964	2.29179	2.50857	2.929326	2.58581	2.616344	2.201043	2.419669	3.356557
NA	1.417631	1.296344	1.272912	1.393823	-0.4655	1.762427	1.115179	1.77417
2.143112	1.124296	1.307784	1.712554	1.576208	1.758116	0.90665	1.61321	2.480156
2.187124	1.635137	1.866252	2.312732	2.038904	1.317261	1.773607	2.082052	1.958001
1.596769	2.70345	1.866626	NA	1.752106	2.239597	0.70079	3.130745	1.646391
3.009295	2.814518	2.527473	2.76909	2.277958	2.181421	2.943395	1.251716	2.682394
1.979488	1.665791	1.870502	2.221816	1.508113	1.681436	1.165499	2.387703	2.942421
2.70123	2.788219	2.989551	2.372626	0.163848	2.720716	2.894833	1.904131	1.385641
1.149019	1.96877	1.245685	1.138441	2.469452	1.230073	2.645997	0.023145	3.387151
1.226491	1.68585	1.79971	2.135446	1.638169	1.708777	1.129076	1.51498	2.32662

2.661813	2.860214	1.878639	2.719907	1.746224	2.645863	3.184771	2.613679	2.437199
1.193824	1.352567	1.492939	2.118345	1.94184	1.79429	2.493145	1.543119	2.073071
2.573759	2.339598	2.415525	NA	2.675302	3.005266	3.095385	2.469998	3.079992
1.895855	2.653469	1.500364	1.559547	2.086593	2.147773	2.299414	2.889671	3.244793
0.936281	1.554878	0.899899	1.632294	0.835266	1.537754	0.815054	0.932528	1.040131
2.537683	1.220259	1.788166	4.175469	2.230732	2.138742	2.238095	2.657311	2.422421
2.530679	2.249922	2.765159	2.505939	2.242612	2.042561	1.492431	1.542614	2.434965
1.907749	0.943489	1.435626	1.365502	2.394222	NA	0.495933	2.68003	2.00232
1.1714	0.863171	1.00657	0.503971	1.269585	1.41625	1.350853	1.549555	1.301435
2.203739	1.436617	1.099942	2.428105	1.844934	2.285855	0.964669	2.213649	2.304334
2.450696	1.310655	1.399516	1.893458	2.517291	1.320175	1.958873	2.875539	2.606041
1.870008	1.169281	1.807694	2.991644	1.955738	1.618956	1.593062	2.146992	1.926167
0.926056	0.960232	2.128527	2.118344	1.517063	2.429878	2.032862	2.026955	0.301567
2.273769	2.182986	1.948967	2.144574	1.877762	2.175527	2.464727	1.362658	1.857973
1.352769	1.677308	0.832621	2.689104	0.203997	1.268728	0.388398	1.508194	1.995049
1.648436	1.756101	-0.20416	2.588665	2.015464	0.638904	1.997233	2.947691	1.752222
2.319281	2.240709	1.85592	2.872989	1.963871	2.405081	NA	1.948258	2.295966
2.284671	2.687863	2.877534	2.165353	2.205221	2.666011	2.791145	2.326415	2.422396
2.386379	2.384561	2.626093	2.633431	2.129557	2.682306	3.083492	0.989535	1.274032
2.594582	2.63635	3.091652	2.84245	1.099862	2.422742	2.903064	1.776245	2.851846
1.947095	1.759025	1.893103	1.418849	1.508002	1.844998	1.97232	1.780382	1.625922
1.79237	0.721862	1.666834	1.8247	1.309695	0.836531	1.880093	0.178154	1.504727
1.667794	1.524783	1.841222	1.944403	0.797162	1.486121	1.184207	2.223577	1.985533
1.944029	1.369286	1.769856	2.628003	2.118349	NA	2.025372	1.651859	2.221436
2.199189	1.891687	2.411931	2.573774	2.09828	2.382194	1.9584	2.180367	2.050819
1.807472	1.775409	2.755277	1.625317	1.775715	2.452308	2.287399	1.975771	2.479557
2.192007	2.087115	1.931707	1.858899	1.199742	1.380786	1.607109	1.539452	1.094578
2.005809	1.820718	2.655027	1.78069	1.61208	1.604827	1.945392	1.597543	2.402611
NA	3.54497	0.329006	2.525404	1.589342	1.952707	0.538717	3.1737	0.80562
3.532461	2.188985	2.252625	2.823403	1.755889	1.969194	3.337043	1.890139	3.690161
2.579536	3.089228	3.449911	2.486184	2.62663	1.765193	2.147368	2.418825	1.091062
1.965858	2.29966	2.118861	2.108522	1.671463	1.916786	2.213666	2.02354	1.851942
1.884522	2.668726	2.805502	2.357804	1.85505	1.323839	0.280621	2.061368	1.526672
0.672385	0.05236	0.443957	1.757967	2.657459	1.722926	1.203129	0.857047	2.313442
2.057887	1.479542	1.870051	2.182816	1.284171	1.959602	1.617163	1.470479	1.785758
2.347128	1.556398	1.95993	1.478468	0.918815	0.767828	2.3376	NA	1.873444
1.995386	0.733293	0.911917	2.489896	0.274314	1.114289	1.197878	1.971256	2.036953
2.090084	1.794796	1.925436	1.286841	1.549815	2.256122	1.427072	1.921039	1.574599
1.562523	2.166653	1.140003	1.384296	2.270929	2.159989	1.922779	1.617028	1.198648
1.309659	1.599475	1.437655	1.888786	2.041555	1.671149	1.481717	1.984256	1.688012
1.377143	1.409887	1.223135	1.946931	0.79032	1.656476	1.16309	1.749241	1.798554
1.244699	1.290814	0.80579	2.121408	-1.12464	1.609722	1.433145	2.396706	1.729504
2.62725	2.392455	2.380366	2.822927	2.992563	3.030772	2.046837	2.302062	1.675743
2.735157	2.38735	2.300732	3.725617	2.632557	1.699913	2.838134	1.849597	2.104528
0.85239	1.814356	1.607001	1.498484	0.884463	1.510835	1.317134	0.567818	0.838724
0.054232	2.001804	0.928633	2.215114	1.511533	2.245518	1.827747	2.254863	1.450441
1.818009	1.108681	1.696371	1.289659	1.435163	1.435536	1.696732	1.334074	1.720959
0.992152	1.672197	1.533509	0.965679	1.707971	1.471176	1.335018	1.318136	2.382053
1.86495	1.389069	1.733405	2.268846	1.239184	1.896504	1.793515	0.656882	2.015121
1.710279	1.350483	1.923698	1.924566	1.076961	1.817453	0.565123	1.8237	2.459736
1.694966	1.571719	1.20866	0.954454	1.856238	1.746198	2.182665	1.106691	2.395111
2.017724	1.259903	1.941725	1.442149	1.269345	2.044238	1.233266	1.129524	1.986782
1.921352	0.932682	2.260203	2.699825	1.840188	2.138217	1.80227	1.225033	1.380965
NA	NA	1.967455	2.140646	2.308309	0.826855	2.700512	2.250419	-0.23885
NA	2.075177	2.163759	2.525515	2.093091	2.659209	NA	2.330654	2.550903
2.610618	0.640806	1.396734	1.979201	1.974919	0.248698	NA	2.050263	3.405649
1.79053	1.34618	2.338553	1.026118	1.844633	2.137427	1.960582	1.436702	2.111233
1.596759	1.557928	2.018244	1.771567	1.736955	1.656274	1.926887	1.758528	1.8277

4.269956	0.837915	2.139979	2.682041	2.155504	2.165692	2.352001	1.169196	0.813624
1.35683	1.225974	0.769828	2.309589	0.683316	2.396202	0.693624	1.547965	1.763932
NA	2.508194	2.16628	3.085376	2.317491	1.729276	1.975262	2.406188	2.394179
2.111014	2.180901	1.518322	1.27795	1.1889	1.695774	2.232689	1.390828	1.696456
1.319047	1.080173	1.26398	2.08731	1.304271	1.145805	0.941515	0.963805	1.547237
1.878703	2.041137	1.553963	2.420262	2.146784	2.049572	1.720972	1.890392	1.590269
2.757719	2.358532	2.587038	1.84686	2.514835	2.765539	2.495898	NA	1.548628
1.621707	2.150831	2.726607	1.86809	1.749389	2.34502	2.066424	0.534535	2.288473
1.68369	1.845952	1.414724	1.910627	1.743289	1.623692	1.219914	2.13094	1.570284
1.705981	1.977199	1.611046	1.756691	NA	2.108683	2.23072	1.352455	2.139945
1.796961	1.647206	1.599976	3.057005	2.707873	2.474519	2.184784	2.563566	0.694173
2.449632	2.306086	1.82468	2.268125	1.211198	2.135076	2.459957	0.754225	2.431535
2.440212	2.159159	2.179048	1.991516	1.464112	1.494154	2.24445	1.170762	2.475404
1.599416	1.280961	1.347913	1.144882	0.641335	1.299445	1.189285	1.130325	1.352071
3.18166	1.098854	1.877337	2.15318	2.441969	1.332616	2.741128	0.805836	2.859408
1.433665	1.588112	1.29958	1.959736	0.688992	1.750426	1.258543	1.830044	1.686019
1.177687	0.843679	-1.04655	0.204985	1.059272	3.034218	1.232189	1.179385	0.89907
2.092393	1.766151	1.906858	1.672865	1.459761	1.880811	1.963541	1.526993	1.988439
2.429316	-0.06729	1.486618	2.750165	1.722735	1.244409	2.561609	1.575364	2.193548
2.197633	2.347032	2.186815	2.692447	1.391099	0.847355	2.185411	0.942075	2.156044
2.332201	1.764601	2.376391	1.839672	1.639808	1.722824	2.233499	1.294378	2.524461
NA	1.443223	0.143547	0.964809	1.373055	0.73907	1.866196	1.777394	1.876341
1.029775	0.803849	1.286873	3.179008	1.383097	2.227239	0.550459	2.305369	0.860003
2.015488	1.31768	2.616662	1.747217	0.88624	2.018966	1.593278	1.907958	1.623731
1.618589	1.155057	2.381986	1.271187	1.650905	1.763578	1.534313	1.502093	2.151166
1.589885	1.32331	1.674556	1.734184	0.49563	1.751618	0.829011	1.790137	1.19923
0.75526	2.874511	2.215875	1.331946	2.773677	2.129956	1.308971	2.574225	2.753467
2.115856	2.164104	1.627316	2.790527	1.840893	2.464141	2.770056	1.643605	1.473551
1.1259	1.191474	1.360606	2.508714	1.509861	1.779651	0.820311	1.99041	2.041259
1.227746	2.536167	2.824044	0.542045	1.794164	0.112595	2.468749	1.421841	0.602233
1.935822	1.25494	1.752206	1.078113	1.372008	1.647001	2.572043	1.722565	1.463541
2.206022	1.984248	2.297821	2.690556	1.615845	2.259437	2.687982	1.438425	2.234128
1.135614	1.035172	1.449946	0.73268	1.440765	1.522901	1.749603	1.022471	1.429868
2.36707	1.166577	2.16115	2.228342	1.782467	1.639751	2.118035	0.036986	2.232928
1.965394	1.483109	1.446392	2.395388	1.371068	1.896979	1.441575	2.259876	1.306819
1.777405	1.370659	2.799188	0.007746	1.408074	1.765213	1.441178	1.823431	1.094664
NA	1.922804	2.536264	2.072522	1.693635	1.862935	2.36109	1.830826	2.189753
2.220184	1.519746	0.888339	0.882167	0.918312	1.764726	1.751119	2.07357	2.261592
0.850779	0.983369	0.405527	0.972312	1.347827	1.38477	0.533129	0.644429	1.320335
1.493219	1.03556	1.886637	1.682092	1.729144	1.818362	0.736635	1.957499	1.700814
0.277597	0.86437	0.563913	0.197649	1.600406	1.946261	0.749356	1.204335	1.008429
0.764403	1.671931	2.013191	2.74374	1.596514	0.978978	-0.33505	2.093618	1.217522
2.379602	2.386903	2.382898	2.505547	1.107691	2.096439	1.314607	2.243461	1.931571
1.951026	1.866588	2.50248	1.216261	1.65065	2.223266	1.958871	1.854275	1.961707
1.766162	0.782474	1.760458	1.314106	-0.03172	0.81975	1.20509	1.952598	0.117343
1.685276	1.953009	1.957284	0.834822	1.988467	1.435501	1.774173	1.514778	2.91758
2.932648	3.213932	3.281824	1.554711	3.036854	1.36335	4.111526	4.10412	2.140239
1.421076	2.064566	0.440676	3.603588	1.373118	1.197667	0.896821	2.345582	2.062626
2.203732	1.716036	1.476804	0.493622	0.948111	1.901288	1.563899	1.805188	2.194335
1.995506	1.861293	1.360128	2.053922	1.473075	1.484232	0.903451	1.87069	1.616675
1.837944	1.048774	1.563125	2.672831	1.11294	1.103988	2.238567	1.130219	1.917687
1.657193	1.508027	1.567589	2.305952	1.600828	1.864536	1.385241	2.17896	1.301009
0.501214	1.380825	1.118891	1.103309	1.285124	1.972352	2.485089	1.667125	1.899009
2.12544	1.166369	2.018299	NA	1.180647	1.523782	1.740505	1.126409	1.602923
1.179455	1.81614	1.456994	1.084659	1.168809	1.329088	1.251309	1.493805	1.643408
3.347215	1.973642	3.137357	2.526152	2.462693	2.055134	2.138259	1.401772	2.838046
1.37306	1.315905	0.34148	1.999477	0.970402	2.058929	0.583524	2.433377	2.318526
2.509652	2.400095	2.509838	4.229609	2.610683	3.083633	3.10295	1.16776	1.350575

2.034372	1.536376	1.60578	1.385642	1.960516	1.149934	1.545166	1.992843	2.02725
1.902531	2.111917	1.676127	1.649673	2.677031	2.343901	3.119981	2.912679	2.199461
2.754947	1.6156	2.475929	0.464185	2.041194	2.181837	1.890409	1.830791	2.016602
1.587484	1.152578	1.424408	0.096703	-0.54395	1.176082	1.415103	2.008551	1.682743
NA	2.251117	1.759437	0.631352	1.824351	2.759218	1.949528	3.41194	1.096838
2.080638	1.922599	2.095806	2.854663	1.557642	2.292933	2.086761	1.778186	0.966027
2.036286	1.587431	1.658908	2.201192	1.760312	2.088878	1.875009	1.772955	1.723347
2.551511	2.156936	2.965045	1.016672	2.73522	2.608161	2.603782	0.554903	3.082766
1.155981	1.519742	0.589362	2.479148	0.662792	2.252714	0.519294	1.25456	1.41428
2.135559	1.237547	1.434954	1.705624	1.015427	0.36082	1.477682	1.911441	1.656053
1.564879	2.22797	1.85952	2.232659	1.693901	2.109408	1.244862	1.758263	1.49728
2.792381	2.757137	2.662932	-0.0369	1.650636	1.331067	1.196829	2.18833	0.728157
1.77561	NA	1.718816	3.391683	1.783435	1.438881	1.641414	1.891586	2.454314
1.998698	0.781361	1.989676	1.719638	1.83288	1.872748	2.144596	0.592868	1.786353
2.382143	2.067652	2.128159	2.504395	1.548426	2.230439	1.834865	2.015538	2.148231
2.561813	1.781896	2.379788	0.989088	1.270496	1.769116	2.140573	1.364664	2.089519
0.724538	1.245828	-0.29242	2.815153	0.867269	1.166351	-0.31919	0.980598	1.0228
2.46169	2.150408	1.939412	1.817593	1.328157	-0.12523	2.148291	2.622694	2.305029
2.582735	1.409474	1.127033	2.106887	2.548148	1.421133	1.808938	1.850467	0.93128
2.269412	1.729691	1.611852	2.543223	1.187893	1.697297	1.632138	1.951717	1.27099
1.854119	2.391986	2.183811	0.995575	0.782801	1.566522	2.282483	1.735902	1.124775
2.13968	2.088234	1.607915	2.497773	1.536125	1.778583	2.563982	1.897279	2.269143
1.064578	0.633707	1.668226	1.202423	0.957566	1.149705	1.384953	0.893517	1.662047
1.428814	1.264755	1.465263	1.420155	1.170582	1.309033	1.965107	0.655178	1.911269
2.527823	1.582315	1.402197	1.209335	0.021345	2.539288	0.381577	2.260938	0.568055
2.123328	1.948559	1.861823	3.193423	2.203284	2.346554	1.686135	2.36043	2.614485
1.71551	0.759209	0.48221	1.858984	1.823693	1.121068	1.007207	1.744216	2.115545
1.551667	1.11301	1.57324	0.931968	1.793151	1.683561	1.389088	1.352778	2.18308
1.824281	0.491923	1.596521	1.717522	1.239659	1.113241	1.894898	1.302802	1.472853
2.652058	1.584271	2.938299	2.641379	1.655441	2.034294	1.263281	2.076605	3.633513
2.251334	2.278768	2.495205	2.469043	1.902585	2.386487	1.81922	2.07014	2.247379
NA	1.196948	1.73147	1.463618	2.189646	NA	1.710898	0.804262	1.088208
2.390018	0.477423	1.998463	2.458947	1.506596	1.40867	2.05759	0.954963	2.067866
0.531459	2.252816	1.539086	4.296656	1.224544	2.848268	0.173079	2.566811	0.853104
1.515168	0.930766	0.819475	2.068861	1.404286	2.451273	1.585747	0.855685	1.046469
0.342216	2.403064	1.788284	3.644718	1.732423	2.646345	3.309547	1.572325	1.553553
1.340513	1.721355	1.413354	1.939712	1.508706	1.474907	1.098746	1.382211	1.599044
1.898855	2.790166	2.96961	2.113431	3.739446	2.559439	1.309293	2.623501	0.766322
1.352328	1.231047	0.996502	0.724847	1.743282	0.665274	1.408809	0.343953	1.904379
1.614536	1.018827	0.961772	1.849765	1.259056	1.082138	1.31214	1.027272	1.005926
2.109343	2.002231	2.034274	3.124035	2.679607	2.196246	1.701748	2.474186	2.859352
2.531731	1.987597	2.150523	2.700886	2.013731	2.166264	2.090254	1.909977	NA
1.280891	-0.39657	0.896943	0.895568	1.467857	1.064298	1.547862	0.964906	0.970373
2.040942	1.587625	1.39408	1.170871	0.989727	0.96395	1.847311	1.545203	1.913547
2.781545	NA	1.609388	3.306531	1.828245	2.100113	2.193857	1.761631	2.33383
1.165564	1.801907	0.497365	1.776774	1.617002	1.370676	1.779523	1.688339	2.471881
1.6588	1.926163	1.429523	2.054342	1.360876	2.154322	1.665011	1.786316	1.673912
1.993126	1.895111	1.865729	2.32255	0.927575	1.525455	1.91287	1.560949	1.273082
2.228259	1.676884	1.971819	1.610998	1.369079	2.34169	1.84124	1.060836	0.879383
1.714429	2.513159	2.297361	2.569735	1.960595	1.971893	1.522063	2.271894	1.703859
2.449169	2.225357	2.459431	1.958962	0.216555	1.700984	1.584982	1.251376	1.510047
2.669506	2.234171	2.887477	1.714172	2.808123	2.867997	0.46234	2.345591	2.814098
0.659425	1.246106	0.855447	0.256659	-0.4053	1.402579	1.704591	1.006722	1.329517
1.468057	1.699247	1.965317	2.04006	2.00346	2.009788	1.784391	2.550503	1.964917
1.442175	1.515972	1.020886	2.096162	1.29458	1.911268	1.319616	1.464309	1.91543
2.131909	1.931203	1.158936	3.019994	1.173696	1.722883	1.130346	2.135921	1.415494
1.212856	1.568437	0.986372	1.724208	1.547356	2.109299	1.403044	3.16754	2.032655
1.517651	1.155077	1.23316	2.677879	1.258144	1.858932	1.099733	1.639739	1.648236

NA	2.250561	3.046434	3.908456	1.444054	2.392168	2.060363	1.721384	2.258338
2.085786	1.068111	1.633012	2.45913	0.331093	1.791583	1.515972	1.749745	1.056066
1.52472	0.944911	0.719988	2.098252	0.588761	1.503766	0.978406	1.750545	1.256921
1.980498	2.162819	2.142089	1.822569	1.430552	1.619323	1.832776	2.217552	1.337478
2.250454	1.87694	1.838771	1.413431	1.805039	1.549219	1.814015	1.231211	2.08114
1.101003	1.322172	1.410513	2.252315	1.054554	1.661384	1.099729	1.534075	1.00706
2.041476	0.046794	2.070558	-0.12101	1.09195	2.309532	0.991685	1.506311	2.711076
1.20931	1.073072	0.245782	3.423677	1.741049	1.999521	0.395782	2.470338	1.860725
1.661555	1.279381	0.801978	2.595625	1.557235	1.476113	1.108533	1.889235	0.613281
2.391657	2.308934	1.641728	2.051943	1.840012	1.726818	2.329777	1.919419	1.077228
0.913628	0.876122	-0.21546	-0.23723	1.133476	0.287011	1.162603	1.29423	2.128432
1.366886	1.417842	1.270041	2.038639	1.611722	1.934415	1.116529	1.763029	1.455742
1.94511	1.887682	NA	1.576533	0.718776	1.306826	1.268449	1.268355	1.895357
0.464496	1.39462	1.191922	-0.68041	0.958114	1.767632	1.516798	1.94309	0.438697
2.914908	2.377127	2.469514	2.71535	2.033835	2.176243	2.287782	1.229855	1.262583
1.984255	1.225257	1.952895	2.010077	1.408403	1.782915	1.283951	1.615699	1.826017
0.868663	1.233087	0.085092	2.092998	0.94696	2.04944	0.902795	1.198245	1.317427
2.283135	2.577584	1.987086	-0.60256	1.496367	2.909988	2.114213	1.923915	0.691308
2.050991	1.579627	1.728927	1.590636	1.191819	1.042318	1.668636	1.653559	1.937805
2.166348	2.20945	2.256673	2.611026	2.065391	2.248132	1.035701	2.435229	1.359211
2.190352	1.969327	1.766942	2.292038	2.020442	2.260982	1.602235	1.88225	1.954135
2.334269	1.48466	2.207497	2.70264	1.207823	1.967467	2.301527	1.130887	1.669572
1.602897	1.630385	2.027908	2.271535	2.087152	2.013304	1.777096	1.532487	2.652693
NA	1.395673	2.268986	2.495454	1.965483	2.619339	2.272019	2.0564	1.673852
3.02851	2.369789	2.803504	0.568808	1.871802	2.639294	2.510315	1.927155	1.593487
1.746982	1.115232	2.160582	2.395772	3.155889	2.608832	2.176025	1.67243	1.927642
1.346305	0.676995	1.813497	1.482808	0.936006	1.249795	1.555048	0.999245	1.764199
2.279681	1.732256	1.912287	1.468506	1.832766	1.167916	2.425162	1.465053	1.829976
0.12875	0.413851	1.689271	1.618358	1.627149	1.725643	1.389718	1.349027	0.511602
2.450935	1.454425	1.285681	2.802764	1.941654	2.314303	0.983169	2.182783	1.72684
1.573964	1.832502	2.300875	2.244999	1.869128	1.918502	1.860667	1.851639	2.055848
1.7268	1.060102	1.392719	1.63276	1.592772	1.584423	-0.12906	1.35331	2.029999
1.786183	1.881117	2.210944	1.562753	1.049722	1.364866	2.256976	0.144102	1.205345
2.359238	2.34267	2.753732	3.044549	2.05003	2.917569	1.954092	1.808018	1.409613
1.737722	1.782169	0.120199	3.557713	1.167371	1.783205	0.738182	2.869693	2.186329
0.753873	2.318366	2.03125	1.112266	1.86601	2.820964	0.49018	2.418856	1.300888
2.133502	2.290384	3.026135	2.676163	1.867323	2.527438	1.846517	2.478964	1.447543
1.10396	1.155093	1.345678	1.843825	0.864363	1.28729	0.98816	1.401252	1.113294
1.787379	1.067533	1.019083	1.394073	1.36094	1.575458	1.223514	1.749323	1.980247
2.05123	1.688408	1.781124	2.330145	1.923358	2.868783	2.536266	1.608366	2.595963
2.215473	1.866699	2.301889	2.635143	1.740107	2.125792	2.296865	1.760039	1.244654
2.054113	1.776137	2.425568	2.053943	1.776001	2.256985	1.722803	2.031112	1.496734
1.864492	2.051799	1.353151	2.867075	0.708339	2.050028	0.273619	3.053326	1.159025
1.153555	2.037612	0.834246	2.775985	1.139499	1.848416	0.946678	1.958904	1.086893
-0.5098	1.677293	0.468548	-0.60492	-0.22276	1.600242	2.488931	2.783147	1.707983
1.973268	1.660264	2.142802	1.341818	1.041292	2.136697	1.552931	0.87988	1.763186
1.681895	2.05434	2.18497	3.102203	3.037892	1.690496	1.123972	4.266237	0.735733
2.753596	2.477777	2.550923	2.459834	1.97864	2.698844	1.78064	2.153299	0.907242
NA	1.24866	1.569057	NA	2.174037	1.99437	1.575174	1.21433	1.789426
2.426552	1.660036	2.173388	2.224024	1.982818	1.711267	2.857349	1.167926	1.97146
1.942952	2.222721	1.409679	2.010339	1.787389	1.879328	1.762285	0.855054	2.071654
0.54741	1.832837	1.47531	-0.80744	1.467802	0.898419	0.831301	1.731341	1.470493
2.849074	2.150452	2.822445	0.46309	1.110431	2.817273	3.27978	1.782087	1.177249
2.380933	1.740003	1.888599	2.421649	0.82984	1.581665	1.972783	0.433633	1.360328
2.572861	0.15306	1.985706	2.223116	2.07853	1.607238	1.723404	1.219186	1.066295
0.36656	0.903747	0.715769	-0.33718	0.379915	0.761041	2.325665	0.878862	1.921239
3.343756	2.14275	3.587556	2.301773	1.73037	1.773081	2.157932	1.44305	1.748169
2.698197	1.377643	2.037816	1.584406	0.665766	1.64673	2.230189	1.06764	2.308155

1.269171	2.223835	1.498351	3.023952	1.633545	1.761098	1.438055	1.640914	1.457923
0.446794	3.051829	2.945058	-0.74636	1.623376	2.579228	2.559202	1.231187	0.046684
1.876402	2.729063	1.721268	0.871909	2.158503	1.187735	NA	1.864179	2.212698
1.18044	1.783904	1.811069	2.200071	1.709242	2.063961	2.29545	1.796084	2.233292
1.947259	2.073781	2.637631	2.659657	2.16685	2.360673	2.123052	1.888892	2.228811
1.872776	1.119088	1.643609	1.511145	0.886659	1.799417	1.513879	2.138724	1.435302
NA	1.929863	1.815146	NA	1.176898	1.996951	1.127061	0.791497	1.132247
1.283266	0.694472	0.996726	0.783088	0.488893	0.923958	0.407342	0.900069	1.572944
1.151718	2.353672	1.830208	0.310911	2.27288	-1.80575	1.018188	1.179484	2.265313
0.610441	0.781492	0.204121	2.207536	0.970506	1.550855	0.227226	1.004203	1.761296
1.173412	1.093369	1.205204	1.471298	1.869956	1.605064	1.072066	1.437192	1.83933
1.56835	1.113853	1.538114	1.410705	2.000134	1.721405	1.193174	1.276362	1.808682
2.672049	1.349205	0.781209	0.938259	1.979427	2.43545	3.625469	0.502953	3.205466
2.021402	1.254286	1.472627	2.106844	1.972337	1.611371	1.953891	1.821535	2.123274
3.125456	2.039172	2.223402	2.205179	1.222109	1.02805	2.021286	1.626681	1.27594
NA	1.745442	1.550122	1.188265	1.659761	1.532755	2.060994	1.860399	1.404863
1.572275	2.062075	2.0532	1.468659	1.954773	2.447428	1.689362	1.810675	1.400328
1.149535	3.048998	1.789163	1.578715	1.601956	1.93454	1.631973	2.429707	0.917811
2.200919	2.839618	2.525118	1.244642	0.750479	2.263128	2.560223	2.07113	1.356845
1.756615	0.71398	1.909776	1.806843	1.63958	1.469122	1.999971	1.243761	2.043342
1.677722	1.907323	1.118379	1.982806	1.522871	1.299103	1.166688	2.071608	2.407175
2.012565	0.585275	1.396126	0.954292	1.862999	1.755821	1.410846	0.930665	2.362326
1.250489	1.646472	1.049375	2.085471	1.307326	1.70489	1.091231	NA	1.43951
1.70575	1.068365	0.910715	2.008568	1.486221	0.447304	1.608264	NA	1.137946
1.570877	1.660212	1.366208	2.307876	0.174945	1.484428	0.60132	-0.89465	2.298699
1.137387	0.915918	0.511208	2.243516	1.72745	0.9405	1.270434	1.363486	1.756407
1.54174	0.968832	2.032201	1.595158	1.323337	1.448378	1.586018	NA	1.00673
1.026578	1.657411	1.285726	2.941573	1.722922	2.116671	1.079619	1.143211	2.417559
2.58179	1.322991	2.629138	0.717128	1.24673	1.900193	1.646942	1.759696	1.68889
2.078552	2.101156	1.447709	0.747566	1.92206	2.736207	3.082568	1.64619	2.135969
2.022253	0.872484	0.638535	2.146773	1.082398	1.893122	0.651291	3.253727	1.253916
1.92392	1.970854	2.279912	3.548624	1.727191	1.381724	1.632978	1.63866	2.663595
1.759518	1.811006	2.414446	1.900368	1.714909	2.124618	1.727332	1.214655	1.76732
2.53837	1.348059	1.859428	3.12781	2.016384	2.541814	2.126237	2.291156	1.38603
1.869786	1.830967	1.841761	2.476599	1.673237	2.195646	2.248354	1.632725	1.45218
1.938383	-0.01787	0.671521	0.840976	1.802967	0.532996	NA	1.624879	0.283832
0.131189	1.810771	0.592533	1.652637	1.073354	-0.13052	2.259963	0.99161	0.259895
1.64125	1.234451	1.59827	2.157547	1.114963	1.635577	1.652088	1.264171	1.698589
0.576546	0.759118	0.651567	1.561433	2.418545	1.639942	0.97374	1.632249	2.542047
0.512043	2.3687	2.066333	0.713016	1.830618	1.921266	3.550312	1.683085	0.632178
0.968042	1.512817	1.765418	2.150272	1.656447	1.646627	2.125052	2.164566	1.177814
2.157236	1.376687	2.074431	1.137783	1.546075	2.070499	1.190315	2.255623	1.582227
2.070289	0.747933	0.701496	2.222526	1.370275	1.907908	1.503675	2.366448	1.925798
2.144133	0.838931	1.449753	2.86765	1.815865	0.209225	2.780769	1.355195	2.545299
2.020468	1.64065	1.377603	1.62925	2.081257	1.044545	1.488029	NA	0.830817
2.272905	2.146933	2.389699	1.80695	1.904104	2.330607	2.423328	1.629233	2.112604
0.924931	1.094338	1.905259	0.94886	0.557839	1.340802	1.580932	1.330104	1.144426
0.367155	0.248098	0.071874	0.319539	1.93994	0.914444	1.191009	1.607998	1.351204
0.422154	1.195189	0.807576	1.048487	1.554678	1.994058	0.827823	1.657141	1.415538
0.910303	1.173488	0.818367	1.663707	0.574773	0.787054	1.040877	1.15615	1.380744
2.151247	1.31667	2.240362	2.163893	1.838328	1.630711	1.950576	2.054794	1.812372
0.979654	0.123507	1.623743	1.906743	1.926429	0.366224	1.665115	1.942041	2.099069
1.853664	0.998128	1.610953	1.1409	0.676421	1.405692	1.685139	0.806565	1.800005
NA	1.444411	0.920216	1.589169	1.35684	1.491555	1.456728	1.042146	1.806937
1.727993	1.064501	1.237754	1.284159	1.515449	1.484113	1.569989	1.690658	1.922089
2.3038	2.112828	2.280009	1.713881	1.322597	1.875134	2.245997	0.928319	1.816528
1.555989	1.772889	0.643822	1.871532	1.834183	0.705946	1.147437	1.574155	0.774049
2.006019	1.93378	2.673107	2.360014	1.809006	2.144098	2.013018	1.723453	1.576664

2.932218	2.399442	2.729582	1.431655	1.759841	2.911674	1.171856	1.701642	0.560033
2.936295	2.739019	3.133362	2.302161	1.675424	2.310368	2.325376	0.791448	2.199042
2.407851	1.393941	2.531826	1.384578	0.764965	2.295869	1.603594	1.767986	0.612722
2.760865	2.499424	1.093866	2.540902	1.67321	1.277388	1.668395	2.26454	0.911503
2.261938	1.322153	2.18998	2.205398	2.717072	2.312912	1.320209	2.225972	1.915796
0.626552	1.454104	0.589067	2.917109	1.170231	1.567752	0.897641	1.074927	1.450764
1.746217	1.855439	1.695267	2.430101	1.544256	1.32689	2.473646	1.128979	2.998971
1.673968	1.531607	1.057951	2.382024	0.958933	1.479033	1.646721	2.049819	1.680826
1.760641	2.288222	2.153311	2.028591	1.662741	1.82423	1.886599	1.843813	1.679517
1.5933	1.16893	1.014687	1.092031	0.564732	0.618902	0.711836	1.726627	1.423912
2.063323	2.33033	1.96492	2.147948	1.500419	1.905042	2.373568	1.537654	1.345752
2.35144	1.76683	1.572629	1.841586	1.288065	1.928317	1.592198	1.536668	1.858865
3.433776	1.031674	2.115349	2.341587	1.658224	2.117269	0.774354	1.25764	1.230347
2.197041	2.187112	2.457855	1.59867	0.864513	1.571136	1.928243	1.234994	1.385571
1.623601	1.727538	1.441704	2.285334	0.674506	1.862711	1.417688	2.637534	1.473911
1.488609	1.393929	0.84633	1.795858	1.985064	1.775951	1.610757	2.15351	2.330545
1.756689	1.319948	1.939123	1.444676	1.632173	1.963071	1.19433	1.469345	1.66438
2.920785	1.294763	2.074801	2.443592	1.682206	2.75416	2.0718	1.902714	2.348586
1.727263	1.702086	2.474771	0.186732	1.043201	2.716173	2.497351	0.669139	0.684449
1.645695	2.13726	1.96109	2.08624	1.898593	2.506527	1.759896	1.782296	1.551894
1.461676	1.630134	1.115971	1.385277	1.039368	1.069376	0.803629	1.262612	1.292721
1.70057	1.397271	1.553057	1.762715	1.552237	1.844615	1.21444	1.253717	1.763937
0.711896	1.179304	1.641634	1.172055	1.191589	1.092039	NA	0.534218	1.801523
1.630912	1.539121	0.862316	1.647317	1.058222	2.104775	1.51172	1.888692	0.627324
2.038841	1.807894	1.65121	1.668524	1.167545	1.432707	1.677316	1.437112	1.350089
1.651638	1.251356	1.636474	1.790704	1.368109	1.937439	1.895089	1.067773	1.717478
NA	1.381993	1.540217	2.055722	1.168516	1.439174	1.706477	0.421223	1.188009
2.210255	2.732988	2.186831	1.460433	0.856522	2.31951	0.806655	1.622071	0.762335
1.286303	1.204047	1.202896	2.522453	2.014324	1.320349	1.433643	1.825645	2.158476
1.495235	NA	1.696227	2.299683	2.175797	2.153392	1.730882	2.141008	1.668552
1.770849	0.258928	0.789216	1.904807	1.156953	0.932737	1.193984	1.815717	1.172976
1.78043	0.993566	1.825727	1.50425	2.157945	0.616552	2.229378	0.651905	1.295394
1.142003	1.379771	0.69837	2.831355	1.068367	1.909018	0.929134	1.31313	2.186552
1.039337	1.159614	1.176802	1.725952	0.833319	1.584327	0.910216	1.666975	1.774777
NA	1.431576	1.975407	1.076723	1.690118	1.696256	1.158721	0.787875	NA
1.233842	1.43323	1.244818	1.188359	1.432823	2.024719	1.89151	2.199921	1.94725
1.630775	NA	1.288163	2.190002	1.400486	2.468103	NA	1.891134	1.361988
1.059438	1.177761	0.842815	1.00849	1.261752	1.95186	NA	1.220656	1.21185
0.639815	NA	0.827903	1.913334	NA	1.865648	1.554511	1.550776	1.574406
0.239928	1.146721	0.010491	1.999773	0.379805	1.54785	0.163573	1.645676	0.34881
2.218093	1.821248	2.349881	1.671836	0.963719	2.257314	2.294057	1.187967	1.928523
1.718995	1.952996	1.712707	1.858783	1.32325	1.795697	1.542435	1.80247	1.693477
1.775252	1.623058	1.738123	1.685875	1.218821	1.636137	1.273828	1.23914	0.992619
1.936289	0.601794	1.504699	0.885443	1.570463	1.764163	1.780316	1.223542	2.078778
0.99077	1.899191	2.154863	-0.11639	1.929795	2.176261	1.645972	1.52738	1.214214
1.033334	3.591072	1.974165	2.245663	2.723944	2.353453	2.35923	0.351399	1.723183
1.727853	1.128423	0.668889	1.239956	2.232848	0.960738	1.470375	0.824642	0.563761
1.660875	1.588648	2.798817	1.65271	1.458255	1.188328	1.241563	2.498815	1.182713
0.675419	1.627451	0.820108	0.130321	0.882198	1.01916	1.207554	1.476043	1.588001
1.725472	1.441364	1.894829	1.889513	1.497523	1.589611	1.459633	1.161665	1.219861
2.360418	1.445297	2.005119	2.346256	2.25957	1.447924	2.655749	2.609394	1.77553
1.176298	1.432896	1.454078	1.441296	1.617396	1.44217	1.772432	1.393307	1.977891
1.000206	1.20809	0.904527	1.258682	1.018435	1.286953	0.689547	1.196675	1.187604
1.480584	0.851032	1.216412	2.006534	1.824532	1.728973	1.304947	1.606273	1.090054
2.376363	1.579263	1.666606	1.879947	1.800771	1.769404	1.891319	1.414747	1.758244
2.236869	1.529753	1.432566	1.85159	2.164672	1.988758	2.071334	1.878428	0.7433
1.655935	NA	1.990068	1.823484	2.218939	2.124434	1.781941	1.758333	2.095661
2.374932	1.639773	2.290265	1.525412	0.871752	1.147216	2.098134	0.98066	1.583971

1.845254	1.41394	1.817896	2.415041	1.20768	2.123758	1.645514	1.215956	2.371197
1.211022	1.370492	1.186025	1.445228	1.063006	0.756204	1.332318	1.190844	1.281527
-0.30722	2.269425	0.532971	1.96193	2.907463	1.981911	1.416722	2.341605	0.766367
2.157738	1.736673	NA	2.571287	1.454402	1.638699	2.116124	1.644859	1.875421
1.772473	1.824269	1.748334	1.230886	1.026339	2.107767	1.54836	1.685846	1.345356
1.484611	1.693979	1.94269	0.473636	NA	1.54256	2.159919	1.557722	1.876344
1.979044	1.487737	1.815817	1.966703	1.248539	1.637025	1.289094	1.268795	1.541015
1.216969	2.764858	0.675933	0.917446	1.20477	2.024238	1.277715	1.542786	1.437992
0.40549	1.90639	1.65785	1.452079	1.887167	1.719014	2.933127	2.081802	1.958188
NA	0.744329	1.420243	2.049966	2.240876	1.762963	0.674461	1.593907	1.136319
1.351582	1.286882	0.696991	2.348644	0.975357	1.586545	0.842581	1.118418	1.589758
3.18582	1.838018	2.646653	2.263206	2.132211	0.952158	2.712773	1.876091	3.396223
2.468903	1.50402	2.106369	2.339146	0.40522	2.177636	1.317619	1.324053	1.599127
1.859724	2.180711	1.979623	1.748703	1.668588	1.953169	2.033054	1.843265	1.687632
NA	1.816396	2.003682	2.29861	1.719553	1.84442	1.834866	1.352669	1.999685
1.707416	1.681303	1.6161	1.530945	1.340266	1.641508	1.527706	1.860473	1.456718
1.714038	1.118561	1.251442	0.81075	1.781771	1.109799	1.732157	1.261686	2.331689
NA	1.309175	1.652903	2.937895	2.586442	2.185402	1.353001	2.797891	2.189254
1.074397	1.290647	1.105781	2.071689	1.525887	0.784727	1.211118	1.385746	NA
2.424975	1.678826	1.907488	2.128539	1.611466	1.43623	1.709641	2.368663	1.573275
1.37048	1.38553	1.550309	1.108559	1.380438	1.486615	1.580993	1.414389	1.617168
1.906252	1.593852	1.624434	1.78072	1.163487	1.488485	0.983362	1.460987	1.076776
NA	1.362932	0.375599	1.876039	0.671715	0.471562	0.102812	0.94995	0.045246
1.225543	1.613866	1.035941	2.379431	1.506414	1.2276	NA	1.392904	2.412319
2.836736	0.801257	0.661765	2.016071	0.381198	1.157304	-0.00245	2.048804	0.727713
2.085489	1.354805	1.645563	1.197126	1.113338	1.225456	1.59002	1.537377	1.939622
1.836482	0.723794	2.182078	0.662558	1.627266	2.227301	1.438135	0.557986	1.491403
1.473613	1.209753	1.235602	3.201331	2.31276	0.982924	1.572342	2.072433	2.523126
2.643761	2.049234	2.511476	1.069524	0.487094	1.715992	2.528315	1.117763	0.989762
2.759449	1.914721	3.142162	2.292791	2.000417	2.070166	2.125695	0.742897	2.05866
1.666011	1.728699	1.502554	1.969457	1.506561	1.449739	1.831274	1.696103	1.791968
-0.55541	2.282276	1.426755	1.434206	0.552026	1.215907	2.314712	2.307374	1.521498
1.881474	1.060012	1.701073	0.964442	1.553235	1.452523	1.084703	1.048572	1.687748
1.347475	1.608068	1.418642	2.208623	1.802004	0.877963	NA	1.584207	1.950941
1.139113	1.20627	1.836216	3.523091	1.081565	0.811058	NA	1.031803	2.985218
1.350585	1.965066	2.25584	1.947944	2.213589	2.006229	1.69433	1.019178	2.03803
1.710349	2.069051	2.390643	1.426974	0.641873	1.660773	1.252255	1.829462	1.559777
1.479104	1.084002	1.114596	0.858386	0.85211	1.227875	1.664209	0.764152	2.107561
0.875511	1.055252	0.933737	1.465432	1.323927	1.045117	1.191346	0.99128	NA
2.45257	0.594401	1.096516	1.692106	2.060238	1.185928	0.765559	1.399001	1.939499
1.883766	1.439128	1.412489	1.861143	0.758401	1.340684	0.348385	1.929684	1.464717
1.80431	1.145614	1.676422	2.049217	1.481572	1.558286	1.291456	1.801415	1.216953
2.533624	1.548182	2.015037	2.20863	1.488882	2.470811	2.007604	NA	1.230571
2.010977	1.438065	1.272209	2.293815	1.977755	1.546624	1.35036	0.922836	1.709227
1.125352	1.30574	1.261591	1.151236	1.088795	NA	1.091351	1.76899	0.880881
1.534363	1.52149	1.682895	1.086737	1.435334	1.911232	1.242157	1.621357	1.533586
1.381469	1.397931	2.217609	-0.04561	1.981716	1.225032	1.798688	1.518094	1.857989
1.240321	1.200643	0.581695	1.739217	0.547695	1.451624	0.875768	1.566262	1.490284
1.141371	1.166939	1.461723	0.908572	0.981712	1.310531	0.869014	1.550361	1.270818
2.202899	1.55553	2.043579	1.831482	2.000684	2.282959	0.932499	NA	1.923951
1.04996	0.706995	0.892985	2.088966	1.291254	1.452455	0.427705	0.754096	1.868867
NA	1.403654	1.233229	1.869372	1.821528	1.773794	0.808444	1.545924	1.407175
2.034817	1.462758	1.602621	2.062152	1.020563	1.601958	1.473708	1.770617	1.572703
2.511242	1.518163	2.57244	1.472581	-0.00878	1.308466	0.858589	-0.57104	-0.34299
1.811792	1.404665	1.408526	1.766147	1.92338	2.311283	1.518044	2.147524	1.348122
NA	1.710934	1.902117	1.489121	0.957361	1.642405	2.105263	1.271703	0.998592
0.929014	1.011353	0.572241	1.024587	0.789473	1.792504	0.889462	1.691566	1.045516
2.090437	NA	2.229897	1.068514	0.899881	1.516428	2.694709	1.586163	1.872012

1.264819	0.234833	1.153842	2.034127	1.338634	1.269048	1.324805	0.626898	0.933822
NA	1.109115	1.286347	1.016706	1.227166	1.620159	0.90048	1.935317	1.936349
1.507215	0.990953	2.199734	2.326643	1.708205	1.021939	1.846816	0.892868	NA
1.907357	2.054264	1.244686	1.227441	1.462222	1.545708	1.27348	2.16318	1.672507
1.031903	1.342084	1.134946	0.738119	1.49046	1.323488	0.586996	2.1215	1.5493
1.881873	0.966198	1.240545	2.587862	1.402198	2.105834	2.326507	1.323171	1.500604
2.441099	-0.13161	0.72999	0.304984	1.70047	1.873502	0.045522	1.642334	1.16117
2.057286	1.777706	1.663229	2.380365	0.785291	1.872451	1.73152	0.973466	1.519043
1.420789	0.824468	1.271962	2.152302	1.386986	1.549633	1.184959	1.43165	1.003728
1.954492	NA	1.600525	2.552125	1.969299	1.678934	2.280024	1.705558	2.646757
1.005378	0.861211	1.471693	1.429264	0.659878	1.614962	1.012767	1.41626	0.845339
1.636156	1.844358	1.941062	1.233729	0.371314	0.808427	1.788771	-0.43898	1.552088
3.147056	1.363233	2.15065	2.188169	1.426253	2.307404	2.693928	0.590134	2.169716
2.807569	1.727434	2.203345	2.498752	1.58783	1.910982	2.315058	1.039861	1.806368
2.717074	1.58819	2.293375	1.534829	1.109289	2.206744	1.5988	2.326591	1.22486
1.546158	1.197091	1.44853	2.157996	1.850583	1.065316	1.45813	1.309924	1.134208
2.132025	1.495456	1.851816	1.568056	1.227441	1.924176	1.592442	1.990089	1.040789
1.108288	1.838898	1.426464	1.623099	1.411252	2.026246	1.028152	1.883607	1.699228
2.736341	2.11766	2.433101	2.519042	1.973553	2.495161	1.768937	1.618764	1.248149
1.459214	1.813349	1.824276	1.939251	1.447153	1.960519	1.654552	1.211682	1.818321
1.211337	1.577258	1.658821	1.915587	1.520215	1.690361	1.896863	2.150737	1.87518
2.152252	1.785515	2.093355	1.725175	0.590639	1.344416	1.960823	1.611154	1.439173
1.050885	1.805098	1.285994	1.063265	1.503561	2.320671	2.264643	1.420686	2.193274
NA	1.205	0.91154	1.184203	1.618261	1.330486	1.356956	2.020478	1.982745
0.584768	0.969375	0.48164	0.757776	0.456844	1.707362	1.759832	1.80666	1.094389
2.484777	2.50104	2.319226	NA	1.172707	2.220913	2.52209	1.369641	2.219688
0.785848	0.974994	1.537418	1.183447	1.646738	1.26904	3.198217	1.378359	1.863816
1.306576	2.021713	1.470361	2.600372	0.901893	1.479031	2.120978	1.209956	2.589571
1.043555	0.539288	1.568893	1.257841	0.912348	1.063509	NA	0.794196	1.534869
1.906859	-0.37356	1.931844	1.415297	1.619136	1.284681	0.92112	0.247065	1.097988
1.377363	1.195383	1.405307	2.515505	1.454798	1.713599	1.282881	2.271188	1.173659
1.619173	0.736919	1.740039	1.941167	1.497165	1.741252	1.604107	1.888824	1.317973
1.369933	1.225246	1.805546	1.203224	0.772134	1.541748	1.96539	1.898534	1.206631
1.251238	1.104287	1.247211	0.797766	0.668783	1.561841	0.816346	1.253817	1.053005
1.445616	0.177415	0.870266	1.320799	0.946677	1.427946	0.839529	1.094801	1.157143
1.142514	1.364144	1.832241	1.357955	1.548848	1.693143	1.64345	2.217506	1.32195
1.371861	1.200161	1.629825	1.712656	1.086207	1.694459	0.486608	1.35364	1.086853
2.419963	0.995902	2.068289	2.549005	1.358515	2.20668	1.838483	1.846636	1.689363
1.363082	1.150881	1.026733	1.065113	-0.06699	0.695359	1.242481	1.472099	1.064531
0.73637	1.254136	-0.1804	1.536011	2.203065	0.954575	2.358492	0.883986	1.483196
1.869972	0.781358	1.203859	1.804786	0.933906	1.590516	2.10127	0.734984	1.900474
1.757518	1.562046	1.054156	1.40979	0.487365	1.430541	NA	1.782161	1.348478
1.362774	0.137242	1.036048	1.456542	1.155984	0.964904	1.149758	0.540771	1.525975
1.587075	0.922133	1.280051	0.198307	1.057382	0.928732	1.501163	1.103138	1.801036
1.065374	1.02412	1.456913	1.785977	1.104863	1.37602	0.668053	1.373101	1.394983
1.625235	1.332945	1.952944	1.865557	0.719432	1.03118	1.490132	1.473507	1.486272
1.736189	1.2413	1.555704	0.803464	1.490935	1.85564	1.206434	1.687111	1.125092
0.520136	0.966523	0.15021	2.33436	1.328746	2.031902	0.829574	1.372454	0.893889
2.074835	1.297155	1.731504	1.778026	1.172326	0.730994	1.761923	0.786641	2.12545
1.5127	1.545968	1.545258	2.225865	1.713732	2.156117	1.640735	2.088171	1.980658
1.866444	1.421017	1.267603	1.761845	0.751574	0.674946	1.163411	1.564084	1.331139
1.747117	0.873489	0.98189	1.481405	0.664404	1.477476	1.103799	0.952856	1.236959
1.326965	1.645615	1.794181	1.55681	1.340305	1.357762	1.84975	1.394605	1.893571
0.498617	3.075338	1.893842	1.765313	2.872814	2.93543	0.559258	2.723983	0.522282
2.310084	0.448673	1.016365	1.734058	0.494568	1.883504	0.539414	0.912644	2.401806
1.507464	1.372891	1.562313	1.325066	1.223339	1.04676	1.562366	0.912451	1.618748
0.107093	1.724459	0.625866	1.101859	1.951882	2.309348	1.260856	1.935222	1.398302
0.64594	0.907247	0.532352	1.130368	0.562097	1.859842	1.717854	1.063922	0.845768

0.88826	1.382405	0.488124	1.573742	0.894109	0.891507	0.514107	1.207585	1.659751
0.802664	1.340667	1.230815	0.983321	0.80381	1.151114	1.573599	1.253526	1.256971
1.374782	1.804808	1.205399	1.799082	1.223061	1.503767	0.927877	1.226442	0.376531
2.066383	1.815985	1.257045	1.621274	2.823212	2.521276	0.929203	2.779013	1.73259
0.124632	1.140074	0.240094	1.842759	0.787274	1.482238	0.743556	1.317197	1.274511
2.434109	0.802452	1.537445	1.42792	1.266022	1.559529	1.280333	1.551056	1.434572
1.874729	1.314553	1.648487	1.475016	1.212306	1.94651	1.114765	1.634468	1.300708
1.808488	1.762181	1.159048	1.748002	2.035766	1.166446	1.37898	1.53681	2.036838
1.75847	1.894626	1.549793	0.564345	1.35679	0.755165	1.781601	1.509238	1.744034
1.677206	1.556957	1.157791	2.088544	1.685798	1.685845	1.205866	1.601335	1.12399
0.599495	1.840752	1.295985	0.145091	1.390044	0.827333	1.485786	1.269975	2.088125
1.128842	1.317366	0.744158	1.957626	NA	1.790565	NA	0.966524	1.643788
1.579358	NA	2.286449	2.58226	0.661546	1.959664	NA	1.493098	1.339239
0.499354	0.817934	0.128873	1.161206	2.296957	0.421157	0.715526	0.893567	1.020845
1.478224	1.348752	1.022606	2.095245	2.51142	1.65746	1.827238	0.59656	2.32824
1.071598	0.233178	0.625388	1.511873	0.483579	0.256586	-0.0413	1.109466	1.196929
1.565963	1.773995	1.494342	2.286132	1.78056	1.941587	1.322525	2.031711	1.178051
1.642697	1.414202	1.638189	1.64902	1.735826	1.3944	1.459977	1.789164	1.366665
-0.59923	0.156	0.644094	NA	0.504748	1.169371	2.219227	1.888386	1.363365
1.996724	1.578573	NA	2.180676	0.341855	1.70318	1.412433	2.370984	0.478767
1.733749	1.407414	1.361377	1.787099	1.466434	2.423796	1.392724	1.277314	1.302046
1.862279	0.157513	1.358546	1.875902	1.045497	1.525492	1.894106	0.283591	1.553435
2.175745	0.427826	1.108621	1.662014	1.040327	0.468335	1.765109	1.212048	0.946686
1.030176	1.406825	1.437376	2.510385	0.901282	1.69527	1.064427	2.165949	0.963161
1.736393	1.304601	1.093942	2.556675	NA	2.544109	0.938241	1.58724	1.728657
1.737963	1.631181	1.376088	2.21216	1.341788	1.527827	1.440052	1.511851	0.179394
1.478804	0.734938	0.752228	0.686222	0.603084	1.068464	0.518972	0.519481	0.854208
2.124129	1.667473	1.851987	1.460051	1.11837	1.984951	1.767638	1.451572	1.140667
1.241514	2.104153	1.465679	1.590098	0.69858	1.176875	1.199508	0.473598	1.773672
2.544623	1.632713	1.836381	1.185063	1.318579	2.311181	1.277165	1.814029	0.591652
1.546784	1.666958	1.938244	2.156746	1.612811	1.644425	2.495842	1.659143	1.521669
0.054758	1.207408	-0.05166	1.179151	0.22418	1.44015	2.263192	1.96497	1.212697
1.49472	1.4342	0.827666	1.405627	0.879581	0.747763	1.034553	1.527629	1.071016
2.182762	1.786514	2.228651	1.358642	1.150325	1.390753	1.882242	1.132219	1.797905
1.423965	1.952481	2.526645	1.493189	1.843892	1.734553	2.236401	1.76108	1.782181
2.050449	1.351952	1.130559	1.599061	1.879587	0.881237	1.178891	1.388436	1.146149
1.260794	-0.06991	0.732306	1.015518	0.92047	0.348008	0.978072	0.9274	0.907348
1.385147	0.835497	1.398554	2.039074	1.419044	1.678772	1.438511	1.055326	1.60209
1.83659	1.517531	1.6775	1.941171	1.508794	1.822304	1.535969	1.332848	1.514624
1.245258	0.998411	0.74116	2.275102	0.615186	1.500304	0.777093	1.141584	1.006082
1.877895	1.526882	1.33037	1.647062	-0.09885	1.4217	1.753023	1.287049	1.211878
1.530704	1.342752	1.038865	1.224259	1.594594	1.968438	1.786324	1.484626	1.716781
1.323239	1.015862	1.450842	1.809124	1.106721	1.585204	1.599749	1.91996	0.87721
-0.32885	0.314921	1.112785	-0.45665	1.528565	0.144399	1.489081	1.753322	1.349637
0.458256	-0.35896	0.223069	1.729715	1.577171	1.393116	1.62596	0.677728	1.868343
1.421413	1.510234	1.302271	2.004843	1.920639	2.099627	1.300239	1.910589	1.121936
1.767297	1.121883	1.492633	0.886985	1.217032	1.470713	1.326354	1.345131	1.596648
NA	1.375652	0.921129	2.553508	1.147187	1.518679	1.299803	1.861596	1.211412
0.395325	1.300293	0.445658	1.937013	0.936261	1.800714	0.545889	1.813989	0.760158
1.618035	1.479067	1.390403	1.072127	1.24489	1.628636	1.368141	1.201658	1.784823
0.242008	1.706022	1.727946	0.867711	0.45267	1.54787	1.658579	1.582775	1.693026
0.602144	1.684126	0.73902	2.750357	2.05295	2.741526	2.113381	1.209043	1.721811
1.580288	1.628065	1.766463	1.180827	1.064934	0.847631	1.168252	1.366022	1.397371
2.117814	1.083529	2.369116	0.707931	0.94203	1.971486	1.862606	0.035382	1.80695
1.810597	0.944461	1.422736	1.168	1.445811	0.871385	2.05174	0.723509	1.338323
1.332775	1.613246	1.715048	3.000164	1.659109	1.627418	2.018928	1.414964	1.57076
2.024611	1.512167	2.153606	2.005936	1.365407	2.125503	1.76262	1.64479	1.160457
0.709182	0.547365	1.355328	1.034185	0.698002	0.947535	1.101948	0.676322	1.216021

1.413179	1.521631	1.405056	1.59807	1.472278	1.400217	1.464103	2.010706	1.029985
1.75918	1.514971	1.337636	1.951225	1.598282	1.868176	1.492246	1.535788	2.59581
1.320766	1.34731	1.511573	1.363153	1.053904	1.729519	1.401435	1.795485	1.479163
1.172321	1.214462	1.551409	0.107146	1.213097	1.063513	0.933122	1.318466	1.050169
NA	1.910177	1.46618	2.767118	0.438467	1.437816	1.949932	1.344997	2.24115
1.404752	1.124279	1.249449	1.525636	0.942211	0.881752	1.214228	1.521423	1.556451
0.842442	2.100383	0.616556	-0.10399	-0.00407	1.397552	1.408191	2.000379	1.594848
2.359091	1.479517	1.287758	2.128001	1.759732	2.296226	1.207305	2.779127	0.461145
1.57849	1.967039	1.637172	2.248117	1.748625	1.712342	1.785022	1.734254	2.2727
1.459006	1.888114	1.973228	0.864986	1.465466	1.576555	1.945798	0.869098	1.595151
1.58615	1.552137	0.560491	3.155924	0.858322	0.485597	1.323656	1.856603	2.064901
1.277935	1.177363	1.957666	1.884428	1.579172	1.186665	1.394432	1.086473	1.731538
1.126801	0.788815	1.517045	1.097089	1.308369	0.901369	1.30159	0.930762	1.732513
2.410764	1.440211	1.993246	1.486286	0.861632	1.44125	1.753559	1.176438	0.963162
1.504782	1.289823	1.198552	1.556705	1.687866	1.257649	1.369326	1.495494	2.363935
2.655995	1.840843	2.327727	0.08588	0.666903	1.83761	1.688603	0.94101	0.925695
1.362067	1.153099	1.752366	1.964644	1.179697	1.951806	1.325949	1.6209	1.110292
1.843859	1.253907	1.554311	1.362336	1.307172	1.583104	1.382889	2.04732	1.639012
0.98201	1.082548	0.872364	2.28128	1.379122	1.716208	1.149383	1.075963	1.3345
1.260137	0.589844	0.85578	2.471203	1.770028	1.393861	1.274381	1.196014	2.084143
1.938084	1.030606	1.452563	1.939156	2.160715	2.153661	1.730711	0.272683	2.181799
1.258522	0.630928	1.297336	1.45364	1.133288	1.314658	1.473935	1.144687	1.6394
1.312535	1.650354	1.24657	1.229924	1.157049	NA	1.414695	NA	1.241369
1.827103	2.042912	2.141005	1.515392	1.67068	1.762577	1.923431	0.96906	1.674733
1.59847	NA	1.577485	0.81245	1.14395	1.390362	NA	0.807553	1.534827
1.045298	0.681549	0.241249	1.842088	1.082838	1.217505	0.632667	1.21109	1.697853
1.758919	1.248846	1.511447	1.612962	1.258513	1.516546	1.316733	2.073239	1.440782
1.872692	1.673007	1.826596	0.828274	-0.17704	0.742186	1.29163	1.29691	0.766718
0.740912	2.394418	1.727412	2.521784	0.590949	1.165191	0.764623	2.486578	1.18605
NA	1.486063	NA	1.198547	2.859027	1.418229	-0.12098	1.904042	2.19233
1.023646	1.607227	2.001972	2.156062	1.180478	1.665467	NA	0.547193	2.300117
1.802699	0.741233	1.657176	2.122579	1.322676	1.272309	1.215828	0.688149	2.22836
1.934326	1.646064	1.765108	1.740069	1.164381	1.313069	2.060962	0.863905	2.361905
1.306016	1.094439	1.115631	0.907766	0.730696	1.081076	1.129737	1.372424	1.545644
1.649278	1.316789	1.121365	1.736999	1.464532	0.596076	0.767421	NA	1.146546
1.560751	1.293724	1.828301	1.391578	1.120908	1.625765	1.212887	1.380499	0.971271
1.473604	0.93927	1.110553	1.488548	1.251018	1.808298	1.380453	1.056771	1.206041
1.503076	0.90528	1.5435	1.828484	1.50154	1.560438	0.927761	0.980078	1.770797
2.218629	1.503554	2.168334	1.954417	1.474381	2.041981	2.254842	1.238998	1.579724
2.205983	1.557367	1.775348	1.68436	0.818027	1.432671	1.364249	1.725372	1.930362
1.692059	1.216172	1.363265	1.277835	0.879324	1.805528	1.124514	1.248332	1.400033
1.717534	1.583056	1.305914	NA	0.907785	1.747031	1.237099	2.551756	0.736988
1.183441	0.985409	1.334366	1.079143	0.947188	0.844498	1.326107	0.834028	1.356023
1.625748	0.982631	1.723185	1.427613	2.024687	0.638064	2.187603	0.502084	1.310085
1.867111	1.529489	2.08524	1.389498	1.327235	1.568361	1.956441	1.468666	1.512017
1.630632	1.16566	0.643704	2.195154	1.48709	1.214805	1.141454	1.493234	1.947943
1.913107	1.26152	1.428286	1.35177	1.361307	1.36834	1.205623	0.907455	2.059
0.794423	0.957102	0.908102	-0.22439	1.326747	0.86826	1.207702	1.312006	1.866493
0.84941	0.570651	1.420578	2.183137	1.529509	1.376592	1.188026	1.280989	1.558279
0.737188	1.346877	0.430704	2.636374	1.901248	2.157657	1.121654	2.114819	0.93903
1.537114	1.899965	1.729471	1.723287	1.208361	2.016136	1.512328	1.436954	1.148855
2.519959	-0.07992	0.609787	0.752105	2.265995	0.582887	2.114242	1.635148	1.397507
1.787128	0.432462	1.691337	0.878754	0.20251	0.95849	1.582482	NA	1.074728
2.029291	1.947708	2.765979	1.567482	2.141312	2.499972	1.999797	1.576866	0.290978
1.207497	0.949631	1.311928	1.424354	1.607048	1.9618	NA	3.2508	0.733
1.487661	1.16154	1.412262	0.946495	1.50051	0.874861	1.545579	1.105584	1.936483
2.000179	1.440623	1.450338	1.791209	1.075777	1.681705	1.901856	1.405386	1.132331
1.801223	1.344646	1.323407	1.610978	0.254041	1.23499	NA	1.738235	0.947185

1.227353	2.280688	1.067628	0.908598	NA	1.7807	0.763183	1.767179	0.797775
1.536347	1.119606	1.169395	0.845352	1.117474	1.648562	0.713908	2.682912	1.006437
1.313749	0.716917	0.45755	1.013684	1.177662	0.80373	2.072137	0.9803	0.896182
NA	1.521669	0.977278	1.151629	1.450399	1.931729	1.112106	1.791099	1.248635
1.352075	1.206549	1.64634	1.647897	1.785354	1.431746	1.535154	1.755813	1.026995
2.248608	1.11324	1.459581	2.2412	1.016438	1.627051	0.754964	1.818931	1.34991
2.154422	1.282071	1.780779	2.012355	0.942694	2.031965	2.038186	1.317036	1.926953
0.941754	1.537091	1.550329	1.394359	1.431181	1.711289	1.664686	0.997414	1.519562
1.678942	1.396763	1.341626	1.403347	1.404998	1.977094	1.321333	1.613054	1.024967
1.771875	0.801339	1.321528	1.407459	1.608989	1.090607	1.377244	0.715319	0.681467
0.691649	0.995523	0.829538	0.853771	0.486222	0.775502	0.050057	1.436525	0.902986
2.194511	0.915772	1.248353	1.954353	1.185712	1.270852	1.100299	2.002882	1.914413
0.514325	1.172106	2.173597	2.411231	2.728983	0.802701	2.139792	1.273544	1.191917
0.528677	0.638733	0.084608	1.919192	1.014619	0.784148	0.463729	0.730305	1.069664
1.591524	1.409797	1.101919	1.499601	0.922592	1.388259	1.42025	1.332656	1.877174
1.971903	1.393395	1.588862	1.298437	0.217853	1.537568	1.188523	2.017967	0.562733
1.345977	1.280148	1.37061	0.618874	0.935183	0.982649	0.895009	1.208743	1.094151
1.627069	1.723718	1.17745	1.597759	0.993966	1.417546	1.898158	1.463177	1.921152
1.766622	0.735552	1.206266	1.19054	0.926941	1.318856	1.252486	1.72029	1.187431
1.303702	0.858394	1.750688	1.489303	1.537739	1.364927	1.446299	1.007852	1.456446
1.006249	1.43124	1.249161	1.216424	1.413617	2.140965	0.909777	1.246403	0.977842
1.780368	1.029698	1.217729	1.351765	0.880765	1.042032	1.450759	1.77793	1.282966
1.722876	-0.06988	1.736705	1.51774	1.088278	0.987672	1.601557	-0.17904	1.595054
1.396926	1.474295	2.404667	1.427271	1.222813	-1.30853	2.043872	0.194421	0.56247
0.896323	0.415951	0.836278	1.549407	1.370761	0.329317	0.684815	0.626916	2.111672
1.337384	1.212398	1.360125	1.565547	0.985291	1.220761	1.202973	1.189623	1.417429
1.104228	0.86558	0.349237	2.510337	0.881407	0.984751	NA	1.636181	0.377781
0.552278	0.542882	0.949412	0.728812	1.918551	2.382312	NA	0.775787	1.529649
1.619787	1.058812	1.668864	1.509058	1.846239	0.653795	2.265309	0.553429	1.396019
1.217277	1.21428	1.021022	1.63993	0.781233	1.359394	1.203355	1.834192	0.887122
1.191581	1.095079	1.207772	1.910463	0.769343	1.10102	0.793441	1.162277	1.354926
1.474059	1.619777	1.071248	0.575881	1.01645	1.055788	1.224502	1.651635	1.612453
1.311154	1.220369	1.542955	1.996803	1.138525	1.607711	1.354048	1.548288	0.903597
1.874015	1.592243	1.162031	1.510491	1.412826	2.072981	1.008996	1.586271	1.328224
1.833485	1.890855	2.386516	1.627383	1.447971	2.312678	1.93963	1.912033	0.838303
1.657812	1.169534	1.411303	1.373024	1.514865	1.769535	1.667429	1.205476	1.328281
NA	-0.71729	1.931988	1.222859	1.410788	1.26733	1.950325	-0.34321	1.557699
1.016476	1.072187	1.678801	1.569591	1.128362	1.220448	1.041947	1.030394	1.38348
1.759862	1.165243	0.963667	2.132971	1.300671	1.699604	1.612594	1.526642	1.69911
1.966094	1.338953	1.515718	1.234546	0.231857	1.336309	0.954551	1.360877	NA
1.57299	0.814391	1.572125	1.29525	1.918503	0.63975	2.026655	0.533766	1.277443
1.184174	1.251005	1.28357	1.453494	1.3462	1.469023	1.699182	1.729678	1.370105
-0.78847	1.654456	1.432166	2.768528	2.021172	2.686908	1.60261	2.701444	0.543851
1.098675	1.547175	1.480698	1.341048	1.752169	0.793475	1.533961	1.395052	1.384104
1.41568	0.480734	0.687572	1.4377	0.456654	1.065172	1.704675	0.133403	1.579673
1.83174	0.834095	1.865879	0.219602	1.013275	0.760164	1.239462	0.665289	1.289479
0.680413	1.369717	0.886979	0.916903	1.208515	1.289762	1.032324	1.218443	0.647297
1.625822	1.394457	1.618698	1.622069	1.443487	1.402302	1.407746	1.098419	1.954199
1.951108	1.704009	1.786027	2.149136	1.742417	1.97104	1.599039	1.943085	2.40117
0.804866	1.003209	0.907836	1.891941	1.237925	1.574273	1.042367	1.102791	1.115204
2.015916	1.642386	2.098096	0.924792	1.292089	0.756036	1.918964	0.856748	1.918132
1.008749	1.368719	1.622442	1.505122	1.959136	1.374946	1.321248	0.762699	2.669313
1.372443	1.198782	1.395034	1.617251	1.935672	1.834843	NA	0.766111	2.204458
1.942627	1.300411	1.473985	1.712961	1.072207	1.840086	1.432715	0.86137	1.129402
0.79248	0.996005	0.883017	1.199682	0.683934	1.325774	1.076719	1.28355	1.016393
0.42522	0.553239	1.138759	1.343731	1.530116	1.829903	1.23326	1.275343	2.405009
2.555236	1.252637	2.241885	0.990137	0.612357	0.001462	0.405887	1.841833	0.616204
0.911036	0.778764	0.850396	1.416011	0.958169	1.774884	1.210916	1.209175	1.161281

-0.0652	0.851766	1.108463	2.242784	1.635434	0.777748	0.923092	1.889705	0.522484
1.351465	1.121573	1.266804	1.228325	1.750758	1.235788	0.877829	1.551608	1.319138
0.917626	0.621248	0.462666	1.262323	0.749992	0.218755	1.249841	1.444438	0.995778
1.797011	1.306816	1.618106	0.78656	1.641866	1.490487	1.752039	1.776768	1.53832
1.493828	0.967791	1.675538	1.752545	0.959363	1.395688	1.020398	1.805936	0.619958
0.515796	0.411951	1.735083	2.560857	1.042769	0.577706	-0.07862	1.185251	1.512959
0.870209	1.997645	0.136716	2.144024	-0.70344	2.271338	1.099508	1.00354	0.261655
0.657294	1.210024	0.441427	1.797502	1.282001	0.447667	1.130371	0.500677	0.848974
1.336312	1.729576	0.931946	1.413844	0.711573	1.064115	1.082713	1.474896	1.336277
1.680024	1.343289	1.275166	1.876277	1.466332	0.997218	NA	1.334833	2.120026
1.446873	0.752127	1.417966	1.808256	2.014292	1.593043	1.509724	1.095225	0.749261
1.44761	1.944116	1.700493	1.113985	1.548268	1.963949	1.356774	1.610993	0.886771
1.200368	1.324802	1.308566	0.110153	0.559349	1.53661	0.971242	1.42683	1.105837
1.439376	0.95677	1.415606	1.560377	1.594163	1.368431	1.934837	1.2528	2.308141
0.269352	0.921956	-0.14614	2.063446	0.739548	1.438353	-0.0651	1.33926	1.029207
1.403058	0.872699	1.386776	0.715493	1.269044	1.102989	0.952354	1.262023	0.741531
1.272054	0.974954	0.677705	0.545522	1.062624	0.585225	1.438646	0.834389	1.488975
1.881888	1.05455	1.243715	2.383219	1.291051	1.043941	0.89202	1.823825	1.360559
2.011269	1.385225	1.88237	1.238327	1.987611	2.01411	1.501079	1.6982	0.392431
1.779829	1.623242	1.529623	2.108385	1.500384	1.403215	1.495255	1.616014	1.12328
0.903585	1.306766	1.032754	1.361732	0.799312	1.058274	1.222354	1.412805	0.905215
1.962626	1.152449	1.622059	1.471265	1.248224	1.031584	1.484434	1.274167	1.369889
1.714466	1.480399	1.578557	1.247936	0.446661	1.185578	1.194814	1.582537	1.529867
1.983259	1.046587	1.017361	2.027598	0.883083	1.373011	1.207881	2.201412	NA
1.355647	1.304	0.556129	1.77083	1.18011	1.409015	1.057007	1.16194	1.297571
NA	2.06828	2.29573	1.330164	0.961135	1.194017	2.07253	2.043521	1.603738
2.105363	0.809879	1.361045	0.988295	2.141276	1.912887	1.555383	0.734793	1.652576
1.896931	1.334989	2.217001	1.359672	1.27079	0.912258	1.530324	1.829578	1.97297
1.173988	1.100063	0.533609	1.594375	1.06242	0.439262	0.703852	1.50211	1.456398
0.973611	0.807363	0.991997	0.223478	1.137746	1.422586	1.04995	1.052705	0.569019
0.881987	1.935398	0.913955	1.167403	0.580654	0.91681	1.191717	0.901632	1.840075
1.932708	1.325394	1.364464	0.822115	-0.18105	1.290277	0.632144	1.695151	0.677969
1.274214	1.400898	1.926093	2.052709	1.563184	1.247722	0.395181	1.785503	2.435583
1.096217	1.151748	1.646122	1.126778	1.505687	1.24318	0.589639	1.090101	2.066337
0.970585	1.273823	0.867913	0.93316	0.802469	0.902118	0.909047	1.603301	1.043472
1.233299	1.344436	1.005779	0.975086	0.942921	-0.7185	1.417592	0.178056	0.314549
1.445044	1.195254	1.598413	0.69742	0.87846	1.385888	0.87256	2.277352	0.811975
1.124212	1.151991	0.817776	1.85463	1.388491	0.85288	1.376342	1.353635	NA
1.54227	1.321554	1.258066	1.279861	1.436191	1.494985	2.156921	0.139759	1.408947
0.706078	0.931928	0.376607	1.8958	1.006135	1.260861	0.164661	2.069373	0.601099
1.854347	2.159541	2.000488	1.126068	0.505653	2.108693	1.856183	0.726494	0.497729
1.985879	1.169121	1.921859	1.397021	0.989902	1.224752	1.281407	0.955864	1.214745
1.762405	NA	1.854358	1.324064	1.124555	1.458013	1.78819	0.79132	1.656416
1.541202	1.338209	1.532217	1.861373	1.352823	1.228986	1.3039	1.255151	1.495866
1.606304	0.774553	0.399927	1.471753	1.926364	0.845391	0.658111	1.506232	2.055695
0.793258	1.330399	1.884401	1.828998	0.844338	2.328229	0.722028	1.291713	0.971039
1.073481	1.252436	0.019999	1.231739	1.046118	0.811761	1.68718	0.095496	1.002703
1.015986	0.824914	0.725666	0.751645	1.440588	1.026823	0.920457	0.618815	1.15904
0.832307	0.759127	1.472748	1.396158	0.975769	2.350259	1.166095	0.816681	1.941179
0.67748	1.416528	1.112245	0.500105	1.176691	0.806969	1.020784	1.181036	1.542329
1.163646	1.10298	0.730488	1.972497	0.846552	1.685753	0.949173	1.569048	1.130058
2.547115	1.305656	2.748502	0.93863	1.019242	1.798553	1.706294	0.900625	1.077869
1.360515	2.168122	1.374623	1.087023	1.317424	1.43057	2.33919	1.332311	1.48589
0.646713	1.075109	1.037322	0.73826	1.207412	0.980298	1.386786	1.469892	1.586765
0.989781	1.428916	1.343035	0.580838	1.107543	1.150235	1.547728	0.866288	1.320651
1.731375	1.0687	1.165069	0.816979	1.235983	2.015298	0.842151	0.673857	1.650598
0.455457	-0.40757	-0.25948	0.790542	1.011117	0.468313	1.383154	NA	1.79259
1.453968	0.30523	0.993542	0.785609	1.092821	0.606312	0.923651	1.211409	1.548552

0.250168	1.172836	0.479221	2.178444	2.240848	0.575133	0.87803	0.900012	1.737119
1.928915	0.783344	1.032012	1.076012	2.151232	1.621564	1.977124	1.272838	1.962398
1.667421	1.629254	1.535278	2.00094	0.595129	2.098968	0.698691	2.097947	0.998225
1.227492	0.969431	1.361504	1.332668	0.614252	1.351398	0.649895	1.043916	0.971595
1.12607	0.919561	0.866967	0.860725	0.911314	1.341284	1.018965	NA	1.025247
1.134659	0.3865	0.937252	2.187235	0.977636	0.796385	0.490404	0.689823	0.834108
1.860365	1.076735	1.725504	1.369929	1.925147	1.930131	1.758709	1.302843	1.362711
1.516436	1.369571	1.70645	2.246556	1.360356	NA	-0.04007	1.714838	1.785889
1.325161	1.489478	0.771833	1.434687	1.173046	1.337715	1.815251	1.19069	1.836916
1.370092	1.02286	1.546923	1.501534	1.238579	1.324383	0.866117	1.495545	1.389327
0.27404	1.500224	0.882692	1.179841	0.599658	1.654615	0.619015	2.068248	1.040627
0.692968	1.486583	1.728672	1.003862	0.893552	1.543567	1.789348	0.530299	2.224179
NA	2.393137	1.445779	1.140705	1.531623	2.84975	1.676442	-0.15476	0.526747
0.248697	0.66544	-0.07585	1.98989	0.893479	1.295661	0.684402	1.112204	1.160761
1.825253	1.547947	0.876402	1.154175	1.965061	1.790743	0.953425	0.857924	1.57166
1.432847	1.111098	1.309156	0.389943	0.897625	1.015771	0.971717	0.952637	1.149403
0.594901	0.435321	1.200205	0.60652	0.799044	0.693288	1.0443	0.724345	1.185856
1.340492	1.36302	0.980322	1.81971	1.424639	1.47111	1.354132	2.663197	1.152359
0.934577	0.228613	0.882071	0.880907	0.487947	0.246858	0.662516	1.292537	1.253176
1.593707	0.697218	1.037029	1.214628	0.511445	1.289877	0.625571	1.342856	1.293087
2.345404	1.170032	1.303499	2.474676	1.033549	2.008426	1.551363	NA	1.21192
1.128767	1.924636	1.317457	1.269044	0.801405	1.9419	1.529932	2.492707	0.981008
1.389349	1.29221	1.899253	1.118729	1.376033	1.223755	1.498439	1.748386	1.903112
1.252113	1.268239	0.526157	1.534464	0.474136	1.603433	0.658359	1.319423	1.012881
1.621365	1.183713	1.471621	1.136227	1.49504	1.352486	1.901475	1.508149	1.131941
1.676254	1.632109	1.162864	1.945497	1.417461	2.129122	1.142978	1.105344	1.397974
1.338068	1.039808	0.840847	1.583512	0.800396	1.164321	0.993468	1.553487	0.613165
0.995444	1.397212	1.414601	0.189891	0.743185	1.354208	0.354433	1.513359	0.920838
1.320791	NA	1.618258	1.525106	1.134845	1.358594	2.06014	1.489477	0.71348
1.418409	1.073219	1.488868	1.229869	1.281435	1.806173	1.147796	1.190925	1.747402
1.223374	0.905454	1.227055	1.705198	1.149776	1.396768	1.043328	1.356183	1.200402
1.536815	1.565803	1.605035	0.57229	1.09921	1.454395	1.152062	1.329725	1.636416
0.296204	0.84927	0.756533	0.536924	1.442208	1.019311	0.200705	1.281064	0.362497
1.640398	0.678227	0.982278	1.894458	0.264982	1.20828	0.982975	NA	0.59585
0.494908	0.98189	1.166771	0.951725	1.393046	1.33757	1.043651	0.710302	1.572225
1.066481	0.892071	0.994298	0.712594	1.415644	1.424834	1.083902	0.928143	1.223481
1.946719	0.97185	1.664332	2.060242	1.545449	2.052347	1.216959	1.654476	0.883444
1.113314	1.276511	1.194905	1.527617	0.899072	1.339575	1.120473	1.070498	1.658678
0.461607	0.503917	0.603905	0.763288	0.951422	1.102448	0.624376	1.12868	2.117976
1.616996	0.714685	0.852751	1.137279	0.559192	1.259043	1.504907	0.51616	1.036588
1.685327	1.763198	2.137828	1.010987	1.452878	1.768855	1.910303	1.263836	1.117164
0.852756	0.991932	0.467074	1.883574	0.830527	1.514923	0.364139	1.87526	0.913907
0.996496	0.480249	0.993235	1.987904	0.841594	0.70787	1.180703	0.742791	0.941902
0.55353	0.862441	0.699255	1.776526	1.627439	0.221572	1.279007	1.010291	2.713756
0.766422	0.921461	1.011326	0.990502	0.779912	0.690919	1.332262	0.496871	1.09581
0.858106	0.856069	1.400565	0.093977	0.785682	1.170919	1.864185	0.998906	1.318682
0.635628	1.421437	0.998965	1.200869	1.140438	1.144704	1.082395	1.680925	1.571875
1.588564	1.283813	1.745737	1.322476	1.058251	1.271857	0.92953	1.139203	2.339709
1.191118	1.171988	0.983097	1.79267	1.180224	1.10267	1.038467	1.621558	1.415658
1.895362	1.279004	1.907846	1.264158	1.307067	1.212478	NA	1.281122	1.340867
0.074081	1.679742	0.968034	1.109248	2.538436	1.596807	0.447551	1.780702	0.822053
0.797819	0.341272	0.787836	1.210053	0.992271	0.716318	0.70933	0.829037	0.997645
1.544074	1.236302	1.797867	0.977817	0.931764	1.676109	1.608628	1.330668	1.357509
0.641469	2.165781	1.4871	0.276929	1.54598	1.415146	0.432148	1.76473	2.284307
1.394713	1.424018	0.927037	0.664774	1.274266	1.011672	0.998257	1.72048	1.969491
NA	0.94776	1.769299	0.812184	1.216727	1.636343	1.896762	0.650076	0.915541
1.246283	1.739098	1.139089	1.598111	1.357447	1.316771	1.962807	1.734662	2.029544
0.85287	1.043195	0.739616	0.82523	1.459758	1.214612	1.126402	1.321841	1.494448

NA	0.640761	1.142155	0.839075	1.160616	1.009838	1.191479	0.799939	1.670086
0.783361	0.722836	-0.15343	2.076837	0.824253	1.388629	0.187518	1.556256	1.545792
0.603938	1.258883	0.3504	2.193471	0.839199	1.298956	-0.05557	1.385947	1.370792
1.427971	0.571318	1.369867	1.812242	1.523105	1.016017	0.891907	1.347458	1.701559
0.261665	1.364571	0.765444	1.764724	1.02649	1.637855	NA	1.526876	NA
1.113792	1.263015	1.739942	0.61825	1.519467	1.794569	1.695717	0.362677	1.833327
NA	0.96422	1.104748	0.786855	0.772392	1.119361	1.22974	0.572276	1.259198
1.976073	1.505814	1.675607	1.630905	1.127984	0.953247	1.190438	0.778319	1.583654
2.518809	2.025058	2.183361	1.662749	-0.22992	1.674807	2.029672	NA	0.799
1.272226	1.160018	0.926415	0.114888	1.300163	1.269155	0.810803	1.691681	1.861858
1.291204	1.037691	1.652767	2.039617	0.928687	1.128843	0.945284	1.496943	1.448188
NA	1.549193	1.88081	1.101906	1.226776	0.956149	1.35087	1.614173	1.118065
1.467311	1.333701	1.480992	1.900287	1.337082	1.741485	1.288536	1.475251	1.769463
1.113334	0.766524	1.852722	1.02127	0.464781	1.316902	1.521341	1.145529	0.920864
0.68129	1.047272	0.683771	0.448603	1.343597	1.092714	1.568561	1.754173	1.977622
1.244233	0.342199	0.712549	1.809323	1.57541	1.032186	0.798373	NA	1.275661
1.317403	1.396595	2.056969	1.001832	0.635637	1.037147	1.303899	1.148192	1.515544
1.405469	1.307933	0.483586	1.207881	0.80218	-0.07652	1.370112	1.106542	1.298102
1.309808	0.831959	1.599374	0.824958	1.252922	1.310164	0.719729	1.316521	0.301175
0.919764	1.305197	0.845962	1.814654	1.220259	1.208444	0.868277	1.718867	1.294497
0.792729	0.87318	1.071895	1.326392	0.36227	1.143213	0.894744	1.211567	0.802279
1.908922	1.384271	1.142671	2.28338	1.352604	1.733888	NA	1.774868	1.723433
1.243564	1.065487	1.033342	1.180593	0.726704	1.296393	0.588571	1.497108	1.363914
2.189759	1.601521	2.085164	1.209159	1.793073	1.717011	1.642351	1.437674	0.879382
1.135822	1.362126	1.93959	0.84186	0.933121	0.861028	NA	0.947245	2.237375
1.672597	0.75009	1.141609	1.660741	1.846445	1.598467	1.086529	1.737881	1.921569
1.531583	1.129554	1.64035	1.135435	0.950299	1.081568	NA	1.151153	1.203342
1.144188	1.179107	1.305517	1.146918	0.709284	1.416538	1.28214	0.983046	0.984226
0.724555	1.858432	1.347635	0.050724	0.956721	0.764162	1.023417	1.378352	1.101741
1.920832	0.8482	1.157543	1.29621	1.143496	1.250616	1.569809	0.9603	0.976575
1.079995	0.518653	0.957605	1.824555	0.578267	0.248471	1.176583	0.759238	0.85353
1.89276	1.425085	1.896602	1.766331	1.055348	1.219595	1.26512	2.004912	1.758554
2.162443	1.440789	1.725398	2.045455	1.167063	1.879239	0.954117	1.635924	1.375795
1.135748	0.630242	0.854084	1.105091	0.866944	0.963619	0.967416	0.682463	0.876221
0.981352	0.846386	0.897166	1.530926	1.35846	1.364404	0.773359	NA	1.23485
1.364981	1.223642	1.78944	2.006367	0.736947	0.788877	0.754562	1.336152	1.038452
1.900184	1.122786	0.991458	0.929168	1.581723	1.145942	1.702975	1.7725	2.423394
1.235421	0.745659	1.640041	1.32153	1.079459	1.445012	0.554315	1.557638	0.597807
1.504395	1.280665	0.884959	2.498372	1.196676	1.851313	1.123695	1.690032	1.082106
1.107993	0.836843	1.406915	0.47172	0.446287	0.653186	0.526648	0.716993	1.688001
0.338193	0.960932	2.126943	0.931024	0.579757	1.496506	2.588964	1.309525	0.958458
1.386473	0.529195	1.119234	1.114068	1.102815	0.961429	1.447565	1.093642	1.902699
2.25566	NA	1.818296	1.714959	1.021749	1.230908	1.263054	1.647169	1.557488
NA	0.926628	1.170651	0.825651	0.610668	1.495927	0.836627	1.312826	1.412375
0.60363	NA	0.237937	2.370269	1.548262	1.226825	0.671386	0.841969	1.784963
0.555517	1.178839	0.789108	3.082068	0.230993	0.511846	1.669211	1.008591	0.391345
0.892942	0.795855	1.540746	0.96819	1.761439	0.49029	1.308194	1.410747	1.179413
1.201315	0.689911	1.04307	1.087722	1.122365	1.502669	0.583484	1.002762	1.384043
1.976333	1.598777	1.580016	2.33791	1.502476	1.995245	1.394863	1.941496	1.144986
0.590961	0.862998	0.981669	2.391954	1.462685	1.882129	0.921152	0.140251	1.800951
1.843044	0.996107	1.166298	2.34546	1.482833	1.005332	1.216097	1.460996	1.995779
0.872661	0.464936	1.507454	1.397419	1.656241	1.407888	1.473753	0.654342	1.929208
1.230846	1.077876	1.164156	0.684309	0.756194	1.174314	0.981334	1.084488	1.243886
1.478364	1.119459	1.277461	1.526631	0.402526	0.852909	1.031285	0.440649	1.464718
1.554993	0.957278	0.493127	1.859225	0.979768	0.766492	1.045704	1.171041	1.257943
2.333893	NA	1.85898	1.123387	1.185001	0.88578	1.255569	1.23293	1.472252
0.561575	0.425024	0.337098	1.864512	1.045199	1.083982	0.295116	1.264739	1.394911
1.019457	1.741724	1.409616	1.155525	0.471919	0.691484	1.352788	1.410916	0.786877

1.691347	1.362712	0.76668	1.039363	1.737545	1.415008	0.739277	1.352684	0.637661
0.545131	0.761484	0.711593	1.116932	0.992828	1.286752	0.725156	1.228553	1.151997
2.265777	0.944541	1.30287	1.618249	0.378211	1.451716	1.472338	NA	0.869957
1.453181	0.487748	1.179146	0.639137	1.120173	1.228071	1.416164	0.839693	1.717168
1.220746	1.012027	1.558762	1.073334	1.203595	1.538302	1.224313	1.404674	1.426133
1.578274	0.498883	1.909379	1.683939	1.493449	1.352251	1.613971	1.021758	1.628932
1.558986	1.647089	NA	1.092424	1.446564	1.718046	1.31988	1.746057	1.094094
1.473564	0.716854	1.049128	1.173566	1.169167	0.86458	0.606224	0.844205	1.691605
0.784916	0.946634	0.7223	1.074021	0.50497	1.236723	0.706592	0.7193	0.636462
1.596675	0.783692	1.881484	0.886345	0.642039	0.814047	1.132462	1.266595	1.134877
0.578856	0.714207	1.696738	1.646975	1.027175	1.024248	NA	0.967257	0.844377
1.938297	1.963825	1.647978	1.720143	0.709212	1.338217	1.89041	0.905609	1.373229
1.361187	0.735556	1.309965	1.158628	0.925289	1.178246	1.256865	1.341101	0.667687
1.344606	1.180623	1.239122	1.456446	1.203855	0.959096	1.171507	NA	1.066625
1.147891	0.914967	1.240322	1.135112	1.028721	1.225628	1.153208	1.084793	0.344975
1.032542	0.612406	1.025445	1.616205	2.084442	0.559495	NA	0.929713	1.891191
1.115694	0.95669	0.88442	0.846028	1.048415	1.588137	0.743287	0.903801	0.598903
0.927106	0.9548	1.045966	0.877377	1.248405	1.443701	1.063798	NA	1.137176
0.179367	0.916127	-0.09737	1.386534	0.437655	1.35027	-0.29462	1.279917	1.014426
0.931507	0.686161	0.609013	1.255041	1.283664	0.928048	0.82966	1.415652	1.608024
1.548652	-0.03938	1.384374	2.607468	0.865897	0.269145	1.975315	0.662169	2.308359
1.778112	1.324019	1.085144	0.912713	0.65058	0.566733	0.327792	1.821217	1.382119
1.826011	1.615785	1.215836	1.362471	0.959769	1.528553	1.384829	1.748449	1.460191
1.930524	0.649541	1.481055	1.49025	0.686784	0.453717	0.771769	1.179405	2.081599
0.978444	0.788927	0.505631	1.727616	0.821393	0.99333	0.803098	1.479753	0.418189
1.290257	0.673753	0.61903	0.839372	1.115902	0.939871	0.989735	0.734974	1.163096
1.054081	1.013769	0.561871	3.234003	1.487526	0.957114	0.180864	1.894822	1.403975
1.78214	1.266289	1.360611	1.243746	0.703714	1.161068	1.532541	1.44675	1.825112
1.951241	1.381525	1.65897	1.032083	1.045675	1.65229	1.346516	0.838626	0.590216
0.712499	1.221997	0.595362	2.226319	0.927011	1.722492	NA	0.928937	0.717902
1.312297	0.727776	0.696365	1.543025	0.548061	1.268154	0.706449	1.402665	1.332746
1.083249	0.957081	1.107144	0.382831	0.566337	0.4799	0.901408	0.33174	1.498172
1.110109	0.942463	1.095653	1.560541	0.976132	1.175448	1.429043	0.686981	1.671001
1.836729	1.364325	1.297408	0.637139	1.49559	1.709316	1.379403	1.454108	1.701888
1.413339	0.798075	1.006801	1.347023	0.893086	1.13825	1.161252	1.078575	1.143036
0.778534	1.116085	0.22393	1.671787	0.186331	1.006333	0.365463	0.914054	1.196804
0.668157	0.599391	1.010582	NA	1.163774	1.644718	1.229341	0.445235	0.481845
1.583225	1.201117	1.25777	1.621466	0.696634	1.088985	1.241932	1.243378	1.380019
1.218993	0.928315	0.925763	0.413292	0.936196	1.068702	0.957383	0.91668	1.141758
0.782483	0.442427	0.851475	0.743081	0.827495	0.477831	0.912084	0.079803	1.062644
1.075041	0.704783	1.312417	0.780025	1.011763	1.301753	0.832184	0.75267	0.475943
0.969662	1.009229	0.445593	1.664234	0.383041	0.355713	1.224878	1.026775	0.416178
1.33301	1.152079	1.033079	0.868341	0.614015	0.766864	1.080321	NA	0.984854
1.355366	0.360786	0.367016	1.746908	0.909716	0.871305	0.90927	1.066907	0.627525
1.210043	0.936697	0.857029	0.783816	0.796409	1.515086	0.771322	1.284531	0.372012
0.744264	0.818321	1.144579	1.748072	0.68484	1.444975	0.509046	1.40495	1.185422
0.759894	0.647875	0.93836	1.259048	0.885877	1.416166	1.078977	1.153031	0.85833
0.826314	0.91991	0.283308	0.197499	1.030036	0.65753	1.597182	0.304516	0.553176
1.171898	0.934146	1.569056	0.551686	1.16534	1.497418	1.175322	0.997342	1.827685
0.963324	0.628074	0.847271	0.911914	0.69268	1.200637	0.896912	0.917089	0.771915
NA	1.513757	1.951655	1.703884	1.078144	1.498888	1.787511	1.161834	1.26942
2.254518	1.642757	2.526673	1.771647	1.743588	1.361407	1.575515	1.019901	1.305102
1.544137	0.659052	1.810353	0.13436	0.89527	0.757442	1.939552	0.634561	1.449699
1.612057	1.060865	1.060702	1.300666	0.690304	1.241471	1.0445	0.397958	1.196152
1.612199	1.179494	1.249374	1.528549	0.718682	1.520903	0.917693	1.015273	1.600727
1.192407	1.599912	0.982758	1.562468	1.575071	1.201807	1.257759	1.829495	1.414675
0.233224	1.670835	0.608751	1.47797	0.710018	0.359383	1.245109	1.691519	0.955291
1.509167	1.092372	1.829387	0.896186	1.347992	NA	1.273645	0.810283	1.547055

1.448246	1.406232	1.576518	2.103822	1.991566	0.854674	1.181741	1.387008	2.022349
2.02122	1.184509	1.454078	1.494962	0.688197	1.696731	1.282043	0.948478	1.392491
1.593117	NA	1.115022	1.796764	1.69817	1.165021	1.662969	0.315369	2.255737
0.993238	0.726812	0.834498	1.711669	0.682606	1.15094	1.668504	0.090959	1.639741
0.71946	NA	0.161629	1.950511	1.126991	0.98125	0.233746	1.330989	0.441006
1.071983	1.058512	1.080863	0.867293	0.78907	1.500147	0.886875	0.413643	0.677848
NA	1.117813	0.89927	1.574873	0.858949	1.122542	0.535155	0.866058	1.107665
0.591311	0.513734	1.276247	0.942638	0.62744	0.649247	0.261081	1.131654	1.054052
1.672548	0.910553	1.970636	1.934943	1.062325	1.08172	1.541352	1.4505	1.271814
1.570171	1.30503	1.496179	0.808762	0.577191	0.350135	1.472744	0.711211	1.182268
1.434352	1.010832	1.731616	1.085621	1.050796	0.923888	1.222382	0.906399	1.297925
1.918404	0.875972	1.595993	1.754069	1.216894	1.367212	1.564477	1.048791	0.682058
1.696879	1.185418	1.295658	1.770957	0.831108	0.995933	1.615021	0.761115	2.12432
0.649611	0.641923	1.102885	1.144265	0.646087	1.497866	0.583995	1.088181	1.330556
0.885068	0.9661	1.203708	1.426943	0.630852	1.070259	1.128695	1.296497	1.191594
1.40442	1.128319	1.007751	1.575725	0.38785	1.394063	0.563879	1.634514	1.357873
0.969859	0.975942	0.62449	1.211704	0.723972	1.388707	0.861582	1.05581	1.907677
0.935023	1.129301	0.855846	0.362323	0.86279	1.182164	0.380791	2.016173	0.940345
0.668939	0.598069	0.744028	0.481516	0.756234	1.248678	0.625959	1.234528	0.370145
1.207294	0.955234	0.509593	1.299208	1.196112	NA	1.132891	1.305015	0.624817
0.652165	0.865764	0.827947	0.274568	1.092159	0.732375	NA	0.726746	0.860324
0.333551	0.97178	0.014971	1.389744	1.121091	1.481395	0.395408	1.996961	0.795637
2.039521	0.835356	1.478984	1.877769	0.943477	1.477495	1.466294	1.123406	1.600667
0.938891	0.51945	0.869372	-0.04356	0.607107	0.641603	0.67432	0.795477	1.000318
0.863935	NA	0.605573	2.220228	1.222253	1.389268	0.759031	1.407306	0.933748
1.454216	0.848238	1.075006	1.510924	1.126988	1.600934	0.839723	NA	1.328324
0.004181	0.29829	0.861011	-0.19839	1.845623	0.310877	1.199412	0.741439	1.47195
0.412095	1.15677	0.714836	1.436407	1.134258	1.82923	0.656346	1.506554	0.651981
0.851575	0.996693	0.944104	1.433849	0.949814	1.681369	0.522104	1.478186	1.269861
2.090125	1.105199	0.587567	2.361302	1.909835	0.993788	1.576809	NA	1.068669
0.580492	1.282825	0.975002	1.41728	1.100624	1.869978	1.250498	1.26165	1.058794
1.311307	1.280945	1.647044	1.387759	0.772318	1.391978	0.763357	1.172628	1.03364
1.292158	0.887215	1.130739	1.180509	0.972126	1.02294	0.851638	-0.01985	0.911262
1.726278	0.936681	0.991555	1.472842	0.960593	1.094356	1.032924	0.973995	0.945018
-0.08069	1.642496	0.549408	-0.08219	0.167961	0.858026	1.135314	1.268116	1.577532
1.156387	1.201034	1.04219	2.657504	1.508475	0.969742	1.014061	1.722012	2.236382
1.410708	-0.0986	0.766841	1.740109	1.013637	0.996334	1.630443	-0.51162	2.098584
1.142706	0.96093	1.190709	0.838987	1.16391	0.606106	1.195726	1.057695	1.727603
1.94614	0.784225	0.572164	1.306884	0.997342	1.781063	1.372414	1.45244	1.29381
0.691736	0.784754	0.907713	1.099588	0.785992	0.705497	1.119826	0.190848	0.588239
1.439769	0.951388	1.055001	2.270995	1.137012	1.352298	0.930477	0.958269	1.325812
1.095284	0.917178	1.742142	1.479247	1.466315	1.687891	1.158954	0.814051	1.836571
0.364725	0.738605	-0.0844	1.881676	-0.43446	1.041316	0.097716	0.98279	0.262412
1.090639	1.121169	1.327037	0.99604	1.842424	1.523185	0.92146	1.209209	1.673528
1.413642	0.912766	1.02747	0.863446	1.179977	1.474537	NA	0.686426	1.545744
0.882997	0.926419	0.456144	1.433975	0.976624	0.721431	1.242118	1.008477	0.882331
1.055198	1.18745	1.291207	0.666123	1.15895	0.537545	1.446696	1.505742	0.796547
0.86516	0.750563	0.585982	1.26391	1.701724	0.664033	1.142442	0.790311	1.799254
1.392743	1.467811	2.046839	1.014499	1.063069	1.683046	1.815798	0.717357	1.889363
0.949478	1.095949	1.135886	1.149876	0.503248	0.705246	0.977801	1.58535	0.541246
0.974657	0.516584	0.349437	0.861034	1.194548	1.162808	0.698812	0.760257	1.456668
1.938532	1.006636	1.425261	1.519953	0.543647	0.054115	1.367075	1.306362	1.339753
1.475909	0.623369	1.181819	1.044357	0.858067	1.255787	0.983775	1.183937	1.25277
0.621257	0.910096	0.549258	0.493208	0.969454	0.507637	0.610431	0.914333	0.884735
1.051781	1.114347	0.803651	1.398067	1.644117	1.284902	1.551424	0.951611	1.753237
0.741856	0.265102	0.079734	0.720007	0.600716	1.490493	0.834423	1.061791	0.922057
1.691828	1.43193	1.690205	0.962178	1.871593	1.507836	1.856148	1.503837	2.271529
1.398664	0.673862	1.322395	1.676845	0.918859	1.232996	1.343868	1.287937	1.473851

1.711778	0.591522	1.545121	0.902511	0.083362	1.33391	0.667917	1.28328	0.312712
0.65045	1.486977	0.729103	1.159707	0.637871	0.996256	0.1685	1.428011	1.477188
1.498672	1.392072	1.661803	1.297731	1.075907	1.877014	1.512294	0.356888	1.503883
0.824355	1.086317	0.388737	1.773429	0.139462	1.048708	0.938015	0.956838	0.850275
1.312544	1.330047	1.37352	0.607989	0.975757	1.777801	0.717334	0.98442	0.618307
1.87403	1.176839	1.452666	1.559747	0.766645	1.547615	1.298702	1.403535	0.780176
0.889498	0.536097	0.571689	0.695689	1.259482	1.006497	0.80663	1.012996	0.774579
1.069826	2.123504	1.649787	1.115875	0.036645	1.141772	1.99903	1.734282	0.738877
0.91782	0.908722	0.738028	1.511191	0.86382	1.440773	0.494905	1.680396	0.608512
1.229403	1.18466	0.655841	0.330228	0.854375	0.704226	1.052647	0.975436	0.616545
1.090082	1.046167	0.525863	1.480505	1.054536	1.512585	0.855295	1.078677	0.921087
1.144112	0.768767	1.44051	1.043853	0.932462	1.656096	0.794294	1.064829	1.099118
1.110013	0.687545	0.810766	0.640208	0.208083	1.187127	0.499491	0.913561	0.626408
1.035111	-0.00782	0.749514	1.790478	1.738277	1.070409	1.103641	0.423543	1.045693
1.391955	1.109344	0.899708	2.261171	1.651274	1.194041	0.600272	1.379033	0.727653
1.144407	0.987103	0.652159	1.772862	1.31832	1.218089	1.021963	2.579205	1.117202
1.434185	1.174669	1.172954	1.525922	1.32305	0.840483	1.065262	1.03189	0.467991
1.105951	1.016764	1.079104	1.146526	0.949528	1.240991	1.147161	NA	1.255908
1.84621	1.489277	1.255351	1.459562	0.551153	NA	1.427796	1.207502	0.85846
0.799883	0.408503	0.399788	0.694385	0.5691	0.994591	0.886596	0.482576	1.351297
1.567888	1.572083	1.723406	0.993602	1.01019	1.084952	1.423345	1.260473	1.239479
0.824427	1.521418	1.329009	1.423857	0.843483	1.604575	1.628305	1.141415	1.00981
1.125008	1.065613	1.612203	0.457941	0.640101	1.187763	0.982521	1.058303	0.864836
0.980795	1.255953	1.687706	1.565852	0.87484	0.946678	0.824421	1.202339	1.144112
1.028317	0.988902	0.645889	2.072368	0.291084	1.24333	1.562623	0.933793	1.43193
0.990589	1.100007	1.478823	1.281398	0.795976	1.155004	1.310454	1.110858	1.269141
0.493522	0.661216	-0.07986	0.548747	0.07693	1.006705	0.20341	1.590455	-0.33013
1.450879	1.441405	1.610737	1.166866	1.427238	1.197307	1.59379	1.643796	1.49221
0.979074	0.630024	0.827304	1.043396	0.393704	0.770542	0.259894	1.114688	1.139445
1.281725	0.99577	1.299782	1.192049	1.061214	1.605213	0.97416	1.384941	1.046486
1.080979	1.258334	1.140238	2.557404	2.056958	0.763394	1.724424	NA	2.123283
1.047624	0.61662	0.852857	0.626519	1.020816	1.253425	0.801488	1.511149	1.261374
0.637111	1.035298	1.081265	1.411582	1.620855	0.580728	1.06899	0.791691	1.39102
1.11397	1.348355	1.088225	1.328489	0.890324	1.648995	0.968969	1.678853	0.707958
-0.22497	0.737965	0.489662	-0.55888	1.208627	1.459296	0.801578	1.770015	1.725362
1.424641	0.928718	0.968954	1.81773	0.768996	1.0974	0.917501	1.196253	1.062388
1.417254	1.686752	0.920555	0.638695	NA	1.098314	1.030902	0.882251	1.964377
1.54689	0.991507	0.852194	2.068759	0.634439	1.370678	1.302576	1.112619	0.762313
0.805119	0.888996	1.315933	2.466442	1.125575	2.065638	0.289459	1.585913	0.543784
2.062227	1.294072	1.876794	1.389858	1.269219	1.358983	1.320525	1.389217	0.824283
1.029484	0.808526	0.76222	0.728107	0.868263	1.275775	1.070486	0.832575	1.250922
1.30706	0.973458	1.325568	1.423218	0.397971	0.910378	1.373848	0.996879	1.548803
1.358896	1.712032	1.39381	1.452058	0.381965	0.89468	1.215595	0.438903	0.912191
0.845641	1.040931	1.242332	0.760241	0.776764	0.794892	1.542576	0.613405	1.271467
0.712553	0.943432	0.996783	0.676121	0.081034	NA	1.327199	1.295771	0.866244
1.309847	0.835585	0.816507	1.253624	0.49641	1.321339	1.007506	NA	0.906348
1.808863	1.619126	1.759042	0.466734	1.688351	2.023827	1.684565	0.990162	1.471312
1.588222	1.430529	1.797743	1.335557	0.374658	NA	1.041237	NA	1.432408
1.19311	0.83473	0.803634	1.450531	1.031174	1.314462	0.719933	1.608363	0.878485
0.128914	1.291159	0.374886	2.424684	1.196106	1.300474	0.604495	0.060873	1.209534
1.348317	0.685051	1.102668	1.197781	0.888882	1.131908	1.288294	0.742177	1.425383
NA	-0.24153	0.654063	1.248623	0.593937	0.377164	0.789699	0.460935	1.210892
1.283092	1.070005	1.762678	0.365179	0.239056	1.050362	NA	0.733654	0.362843
0.964782	0.911003	1.295969	0.231317	-0.18488	1.185687	0.963359	1.110525	0.974329
1.707274	1.330205	1.260405	1.520882	1.42436	1.448424	1.377202	1.421349	1.070615
0.450565	0.626233	0.493125	0.913136	0.445758	0.364169	0.598274	1.230869	NA
0.974414	0.719307	0.633241	0.352121	0.611036	0.732013	0.689672	0.846317	1.256328
0.653708	1.015651	0.155569	1.636309	0.934651	0.841084	0.45091	1.499263	1.513129

1.687063	1.457489	1.56534	1.745085	1.342582	1.803683	1.501449	1.648765	0.578859
1.708624	1.103149	1.214872	0.745507	0.699813	1.480727	1.391187	1.095473	0.895197
1.262629	0.333444	1.145462	-0.45434	1.374015	1.092674	1.472241	-0.02527	1.350909
0.536032	0.677516	0.227781	1.325321	0.355197	0.314883	0.188556	0.840748	1.243313
1.087258	1.096629	1.147436	1.516911	0.809802	1.12098	1.05414	1.517633	1.006495
0.820148	1.020109	1.294763	1.11496	1.30388	1.106795	1.73727	0.943214	0.952884
1.623482	1.401144	1.405912	2.662291	1.363779	1.503406	1.514345	1.18342	1.138624
1.890057	1.527946	1.77908	0.835518	NA	1.302518	1.99466	1.316387	2.483324
1.028792	0.931088	0.857182	1.195848	0.714532	1.18246	0.661824	1.028321	1.262304
NA	1.78961	1.635883	0.52231	1.163786	1.038647	1.137365	0.92991	2.353314
1.682417	NA	0.860888	1.501488	0.912297	0.690961	0.985282	1.827572	1.335096
0.363578	0.839402	0.547591	1.449195	0.926672	1.097886	0.45167	1.092106	0.7654
0.56001	0.216299	0.075293	1.278719	0.430524	0.66724	0.841683	1.128484	0.996379
0.903823	0.128518	0.246139	1.228694	0.350149	0.827383	NA	-0.11394	1.271258
0.738863	0.794817	0.536361	1.642167	1.141053	0.939307	1.299125	0.955668	1.435619
1.531437	1.151085	1.72316	1.130761	0.742086	1.643124	1.366601	0.784642	1.051678
1.120454	0.687206	1.086894	0.590807	0.61734	1.061845	0.837223	0.835222	1.089875
1.330849	0.929808	1.046047	1.072764	0.432346	1.401279	0.683597	1.147813	0.985212
0.016999	0.756671	NA	0.642174	1.690125	0.820964	0.906476	0.869083	1.241253
1.82144	1.022713	1.762181	1.83666	1.08301	1.935446	1.406401	0.590592	1.3842
1.251698	1.015168	1.618232	0.660402	0.371847	0.817366	NA	1.127898	0.36581
0.742097	0.878812	1.060343	0.934827	1.102982	0.997588	0.940429	1.051997	0.682852
0.915692	0.914073	0.987909	0.968714	1.41516	1.326647	0.718742	1.54428	0.925517
0.805103	0.756961	1.157865	0.878151	1.034036	1.203562	0.846574	0.71346	0.763023
0.875307	1.030339	0.78156	2.095633	0.904415	0.999678	0.52044	0.531304	1.486318
0.729486	0.664916	0.714313	0.755267	0.540033	0.273421	0.665641	0.733498	0.850584
0.423249	0.790642	1.357688	1.206643	1.093814	0.935327	1.854039	0.54316	1.311515
1.451215	1.321494	0.803168	1.296031	0.095857	1.679676	1.249621	1.757867	0.705454
0.648913	1.250554	1.417701	0.807697	1.632334	1.122092	0.847658	0.851096	1.911617
0.977569	0.745818	1.002092	0.957468	1.725885	1.2558	0.89212	1.544495	1.90575
0.924272	0.618229	0.448401	0.590777	0.680896	1.114719	0.983568	0.833711	1.153441
1.372637	0.986302	1.085976	1.195989	1.414485	NA	1.527046	1.269755	0.90495
1.445266	1.309934	1.289232	1.06081	0.695621	1.176328	1.07477	1.083712	1.065129
0.859013	0.470542	0.918959	1.617752	0.662146	-0.27091	0.632496	0.398548	1.570175
1.158965	0.912597	0.882227	0.963733	0.245048	0.074009	0.842892	0.64193	0.848863
1.442643	1.122072	1.598226	1.046462	0.721559	0.955663	1.139795	1.073858	1.325232
1.081697	0.684958	1.118249	1.363746	0.699143	1.427949	0.97965	0.884411	1.381703
1.566032	1.457268	0.742663	1.677232	0.623884	1.349932	0.587057	0.996947	1.288537
0.551252	0.803657	0.740043	1.248552	0.765397	0.671601	1.023663	NA	0.695129
0.525455	1.16186	0.702053	2.173317	1.252196	2.034625	1.605841	1.542229	0.775335
1.023382	1.068727	1.008111	1.194478	0.970267	1.291325	1.522095	1.430234	0.965878
1.018765	0.92623	0.640643	1.744844	1.544296	1.139391	1.423147	1.688208	1.469239
1.486566	1.270074	1.274907	1.121921	0.705593	1.151629	0.863287	1.130433	0.890029
0.729823	0.516577	0.360464	0.809998	0.369429	1.095812	0.651694	1.083646	1.125777
0.976272	1.083982	0.74029	1.432442	1.117807	1.715475	0.813407	1.304694	NA
0.256565	1.423291	0.560631	0.412965	0.454677	1.229676	0.692996	0.436023	0.43957
0.987665	1.216995	0.748541	0.032532	0.296922	1.003248	0.840714	1.386462	0.556301
1.092481	0.825966	1.137636	0.592622	0.482861	1.17351	0.805676	1.850571	0.844064
1.114105	0.376348	0.095268	1.094622	0.643192	1.170061	0.629425	1.178783	0.661066
1.317835	0.456687	1.146414	0.791793	NA	1.253821	0.468136	1.065653	1.128699
0.723299	1.133213	0.964041	1.150864	0.818368	1.606948	0.244372	1.28797	0.7144
1.805783	0.995138	1.361746	1.288599	1.317604	1.806795	1.104124	NA	1.10495
0.835941	0.435087	0.729847	1.004923	0.756698	1.121949	0.537647	NA	1.166065
0.982849	0.803363	1.289186	0.909076	0.808271	1.16325	0.675429	0.39692	1.164651
0.754814	0.755221	0.472939	1.409083	1.144506	1.184623	1.001094	1.246443	1.142387
1.042135	0.960648	1.363841	1.384958	1.311226	0.609431	1.114016	0.717893	1.650892
NA	0.473251	0.348592	1.365624	-0.15795	1.000384	0.574755	0.817635	0.614592
0.468833	1.355968	0.380543	2.357292	NA	0.463602	0.856205	0.832072	1.400864

1.062639	0.853591	0.894853	0.927981	-0.21518	1.116179	0.950091	1.581137	0.452097
0.63759	0.833049	0.680485	0.181086	0.221315	1.109255	0.515379	0.582777	0.704146
1.404168	0.999596	1.455677	1.098986	0.808434	1.286067	1.010641	0.761402	0.923214
1.21538	1.117176	0.687126	0.999807	0.725404	1.139238	0.935111	1.248701	0.729177
1.18336	1.399348	1.202418	0.403199	0.568734	1.109613	1.345308	1.240912	0.80028
NA	0.94213	NA	1.138507	0.479595	1.313166	0.813835	1.316418	0.718164
0.65866	0.868972	1.416485	2.340491	1.893174	0.482669	1.775168	1.089727	0.765769
1.009763	0.102045	0.675865	0.84971	0.464804	0.753112	0.415185	0.540603	0.752147
1.041291	1.219432	1.229128	0.293019	1.454518	0.396963	1.705847	1.06447	1.87075
0.348445	0.459424	0.514457	1.903981	0.942904	0.482286	0.594805	0.762691	1.991022
1.095954	0.799974	1.189339	1.085496	1.113902	1.64889	0.973578	1.177381	1.351115
1.436341	1.600206	0.881017	1.586082	0.622851	1.329518	0.983087	1.613337	0.485921
1.292852	0.82396	1.838259	0.581115	0.850098	1.371161	0.90237	0.374777	1.178991
1.203901	1.304495	1.093388	1.173133	0.835916	1.048598	0.96594	0.86219	1.136109
0.930484	0.717649	0.49095	0.650247	0.587795	0.867697	0.796625	0.942006	0.696239
0.660612	1.099994	-0.08364	0.878605	1.233551	0.736527	1.00473	1.403462	0.924194
0.950744	1.303812	0.848119	1.005388	0.416116	1.979203	1.465264	1.848334	0.935333
0.973684	0.642979	0.525405	0.117195	1.513937	0.159566	0.864874	0.945352	1.549662
0.852956	0.939429	0.271954	0.069038	0.791526	0.573524	0.724291	0.312176	1.16136
0.756669	0.726642	NA	0.210708	0.788669	0.194062	0.982428	0.936258	0.494659
1.80413	1.530459	1.016683	1.62593	1.259793	1.262104	1.536112	0.989944	0.544018
0.805124	0.407323	0.953173	1.192174	1.399194	0.526479	1.683984	0.10518	1.715614
0.570086	0.152471	1.12292	2.148085	1.035572	1.407726	NA	0.438121	0.840538
1.159588	0.89848	0.913525	1.189706	1.257107	1.155241	1.216033	1.191389	1.925891
0.708386	0.659557	0.071629	NA	0.214177	1.23186	0.383187	1.67351	1.739094
1.7274	0.828555	1.218768	0.543219	1.000417	0.779444	0.865145	0.540046	1.230679
1.299015	0.907363	1.199403	1.448458	1.222262	1.372144	1.132355	0.416301	1.39745
0.995085	1.509611	1.317967	1.653118	0.971209	1.000697	1.323186	0.917534	0.868267
1.467788	1.045448	1.086981	1.064032	1.084424	1.553027	1.403094	1.178212	0.768569
NA	1.099063	1.343362	1.955158	1.225098	1.418959	1.170252	1.374698	1.635096
1.021775	0.578481	0.283151	0.715566	0.288677	0.426501	0.317097	0.671847	0.25129
0.946226	1.122715	1.483493	1.334028	1.005196	1.01063	0.589847	1.142828	1.657762
0.909108	0.305318	1.252667	0.885422	0.351513	0.756095	1.11776	-0.24187	1.140896
1.681427	0.168492	1.218246	1.730431	0.766128	0.359615	1.091501	0.262903	0.986127
0.941515	0.682295	0.696642	0.128326	0.673612	1.212353	0.707407	0.723192	1.418198
1.047452	1.083238	1.082033	0.86112	0.612534	0.706544	0.899248	1.07326	NA
1.196026	0.778574	0.871909	1.014444	1.003063	1.001443	0.370725	0.979677	1.192897
1.080823	1.10384	1.14507	1.893584	0.2763	1.349057	0.713142	0.912675	1.380224
0.767033	0.711121	0.83799	1.440997	1.512903	1.438788	0.936031	0.423387	1.624664
0.775214	0.135665	0.902468	0.171719	0.672285	0.859687	1.044967	0.694641	0.954035
0.539325	0.758723	0.787069	1.302249	0.318117	1.023116	0.708459	0.593665	1.2328
0.90376	1.201142	0.993949	0.774181	1.177548	0.278331	1.38552	0.671772	0.987832
1.05317	1.353232	0.351294	1.218411	0.449616	0.948518	0.577832	1.978393	1.175197
0.893453	0.881651	1.187171	0.60939	1.241913	1.149828	0.985582	0.944587	-0.33256
0.876631	0.771802	0.759279	1.235111	0.782221	1.243342	0.801875	1.281366	1.093904
1.277453	1.126213	0.981503	0.715182	0.40925	1.240182	0.841598	1.162228	0.82829
0.950615	0.577342	0.710564	0.549153	0.101188	0.602778	0.450473	0.127143	0.803774
1.382046	1.199199	1.637319	1.236489	0.999949	1.229512	1.044503	1.271432	1.061343
0.498247	0.704038	0.552093	1.066275	0.7364	0.67734	0.578224	1.193845	0.869168
1.262445	1.058919	1.205457	0.91163	-0.17593	0.756837	1.002737	0.013555	0.936481
1.189195	0.894937	0.891322	0.730119	0.602255	NA	1.064831	0.527135	0.668147
1.773703	1.1762	1.053707	1.592698	0.459815	1.174273	0.656329	1.168734	1.578244
0.525925	0.262873	0.263621	-0.25735	0.625085	0.940521	0.699608	0.437865	1.119643
1.817205	1.194959	1.930909	0.811553	1.339884	1.466197	1.631143	0.83047	0.912244
1.685717	0.991539	2.316544	1.064208	0.912474	1.928792	1.328038	0.798224	0.822556
NA	1.140396	1.190291	0.884438	0.497209	NA	0.742352	1.671329	1.326855
1.514176	NA	1.580648	1.612772	1.104671	1.49951	NA	1.02787	0.932444
1.20855	1.606444	1.014501	1.236677	0.8664	1.088735	1.056343	0.847247	0.948248

0.775665	0.715336	0.757799	1.079652	0.628535	1.161666	0.66456	1.381298	1.046224
1.689031	1.387496	1.428578	1.312776	0.691571	0.959106	1.44281	1.297386	NA
1.188997	0.97919	0.785674	0.910789	0.454226	1.438959	0.782824	1.261365	0.446511
0.367835	0.45329	0.051205	1.016697	0.316881	0.028434	0.099738	1.02685	0.945754
1.009079	0.764548	0.58474	0.676876	0.046635	1.170936	0.745892	1.091533	0.598558
0.977503	0.790099	0.970371	1.29798	0.803465	1.431944	0.723195	1.2817	1.063185
1.553866	1.075197	1.307723	1.553154	0.847516	1.56022	0.845403	1.27693	1.246392
1.009446	0.799208	0.563526	1.547464	0.547141	0.943538	0.678696	1.114298	0.962806
0.386644	0.304815	0.76672	1.460437	0.393898	0.277025	0.209984	0.567441	1.068328
1.475614	0.83699	0.972701	1.240423	0.712646	1.113625	0.862699	1.418527	0.858994
0.909997	0.541871	0.524477	1.018312	0.884141	1.215309	0.694563	1.045034	1.475987
NA	1.005453	0.708414	1.094737	0.464914	1.595962	0.933012	0.715909	0.610962
1.209631	0.876742	0.973093	0.465482	0.994132	1.003126	0.816897	1.244332	0.983157
0.785148	0.961685	0.555717	1.027691	0.6559	1.496246	0.703075	1.113763	1.13251
0.696386	0.534451	0.622642	0.428119	NA	1.195181	0.700561	0.822151	0.606432
0.36443	0.211898	0.316356	-0.13544	1.003926	1.248642	1.306317	0.306433	1.081271
0.718247	0.627345	0.736336	0.218899	0.355904	0.467576	0.69664	0.164886	1.193384
1.493963	1.413637	1.354663	0.006409	0.931309	0.697333	1.431311	0.633139	1.73996
1.483798	1.476848	1.126303	1.161311	1.042916	1.485733	1.444299	0.970007	0.99573
0.460664	1.072493	0.365125	1.12923	0.97235	1.491648	1.168178	0.971512	0.79117
0.766115	0.50697	1.128639	0.677553	0.669933	0.720255	0.436249	1.156143	NA
0.770157	0.669623	0.658856	1.204677	0.908078	1.044727	0.617012	0.366608	1.24698
0.611577	0.88138	0.784545	1.252871	0.850353	1.343028	1.180969	1.125302	0.750303
0.818836	0.93559	0.940545	0.891547	0.539693	0.689334	0.817482	0.869362	1.262337
1.080566	0.977589	0.467519	0.661967	0.450618	1.383943	-0.03706	1.126096	0.579531
1.636414	0.739968	0.276744	0.653671	1.204077	0.705817	0.900117	0.618888	0.797492
1.346711	0.585261	0.667751	0.219428	1.316364	1.263759	1.343474	0.41893	NA
1.163022	1.63995	0.876618	1.4115	1.768252	1.616114	0.043181	1.6075	0.665453
0.386019	0.55792	0.641001	0.500133	1.039421	1.023499	0.738854	0.83083	0.974521
NA	0.74848	0.528789	1.301254	0.571547	NA	0.382274	1.442888	0.461758
0.71682	0.250131	0.195654	0.839752	0.134995	0.899636	0.965168	0.925559	1.429192
1.376453	1.422462	0.685079	1.030195	0.652894	0.797211	1.438129	1.606502	1.636867
NA	1.070873	1.978293	0.734507	1.388081	NA	1.883944	0.992924	1.553463
1.466518	1.874701	1.797058	1.236745	0.909796	1.595555	1.866065	0.951891	1.633056
0.45245	0.500845	0.742223	0.759395	0.771341	1.0197	1.086772	0.263706	1.060696
0.624298	0.688617	0.390881	0.949952	1.483981	1.319553	1.042498	0.630761	0.978379
1.010707	0.7479	0.962958	0.931748	0.584643	0.986101	1.178253	0.715341	0.960872
1.292668	0.78454	1.494555	0.699565	0.752393	1.025339	0.863388	0.881526	0.769102
1.033991	0.865272	0.793721	0.967682	0.661664	0.887006	0.69061	0.991321	NA
1.00232	0.865875	0.914121	0.762261	0.475229	0.973721	0.998608	0.665231	0.923704
1.45165	0.317241	1.247796	0.990141	0.150416	1.23977	1.155184	0.835659	0.857297
1.007269	0.711839	0.834943	1.328361	1.258161	1.083545	0.684466	1.185933	1.496347
1.457798	0.96028	1.193023	0.682612	1.135841	1.401908	1.307202	0.881394	1.192577
0.932073	1.175493	1.17044	0.892232	0.17224	1.298737	1.456361	1.092234	0.352162
0.895733	1.188636	1.027509	0.528393	0.855959	0.717925	0.649989	0.869207	1.124301
0.314758	0.580876	0.111675	0.76239	0.714416	0.729994	0.801155	1.11622	1.093356
1.42254	0.771792	1.73894	1.577345	0.348982	1.316908	0.878879	1.213063	1.247713
0.899487	0.83234	0.976249	1.188308	1.020422	1.560992	1.051097	0.861669	1.169745
0.960089	0.69217	1.082491	1.048047	0.596594	1.295996	0.855131	0.609337	1.143568
0.835637	0.621997	0.891842	1.196919	1.286568	0.998497	1.01566	0.683568	1.654511
0.907603	1.058666	0.618219	1.389832	0.374104	1.084902	0.830094	0.502118	1.632768
0.923943	1.003321	0.959409	1.073539	1.154734	2.702648	1.004098	1.041325	1.021273
0.19752	0.523839	0.158568	0.283788	0.740116	NA	0.07096	1.778394	0.114147
1.559493	1.077315	0.17799	1.592947	0.57145	1.392482	1.237397	1.450694	0.866971
0.803283	1.031718	0.682525	1.430453	0.91077	1.24553	1.349423	0.370441	1.493882
0.514492	1.155241	0.679858	1.413882	-0.2861	0.351492	0.891576	1.823475	1.008548
-0.60091	0.961774	0.522419	1.0137	1.212903	0.162896	1.066957	NA	0.903274
1.49863	0.876129	1.071356	0.845513	0.547749	1.000377	0.845635	1.116505	0.652114

1.023949	1.149086	0.50952	0.302303	1.297897	2.205604	0.722944	0.475039	0.843702
1.212512	0.651806	1.683462	0.94937	0.505	0.478751	0.958659	0.791233	0.980127
1.167827	1.008105	1.115027	0.014818	0.833675	0.513936	1.021185	0.866852	1.368627
0.997737	0.884005	0.749915	0.790595	0.746192	1.004496	0.87652	0.833284	0.985536
0.308376	1.01864	0.477979	1.84921	0.480097	1.112086	0.522678	0.714886	0.481942
1.144118	0.778019	0.821753	1.087905	1.057451	0.519293	0.795299	0.496963	1.865192
0.606667	1.172809	0.968349	1.0917	0.921788	0.548331	0.985152	0.477662	1.335946
-0.17382	0.957053	1.354896	1.450074	0.526307	0.250077	1.237795	0.806956	1.565782
1.144839	1.038462	0.872719	0.913111	0.909652	1.673039	0.933818	0.618067	0.47321
1.932747	0.531103	1.729588	1.27548	0.857345	1.308138	0.994056	0.51065	1.345017
0.78091	0.627648	1.199784	0.409194	0.08001	NA	0.528288	0.475946	0.492023
0.928222	0.842321	0.829715	1.309501	1.426868	0.780744	1.054314	1.094088	0.787381
0.964177	0.513008	0.801052	1.207807	0.287627	0.364291	0.501266	0.69275	1.151756
0.671931	0.402487	0.394702	0.670162	0.250786	0.740443	0.170306	1.081433	0.510201
0.502461	0.892326	0.100013	1.068061	0.553099	0.498949	0.259256	1.143633	0.900251
0.485269	1.314513	0.84936	1.493499	1.657485	1.111164	1.008121	1.240844	0.632948
0.534192	0.722501	0.676992	0.34464	0.368558	1.070043	0.909794	0.282602	0.539747
1.209647	0.800019	0.75787	1.577538	0.952633	1.201012	1.364678	0.558281	1.292014
0.571815	0.288703	0.695061	0.696471	0.270545	0.289679	0.325583	0.495006	NA
1.039757	0.769994	0.674148	0.470854	0.077087	0.74468	0.568289	0.777535	0.961502
0.696189	NA	1.19866	1.326015	0.433637	1.338383	1.651098	0.995456	0.748443
NA	NA	0.92895	1.265245	0.97295	0.810951	NA	0.911239	1.429014
0.921733	1.15757	0.999703	0.717813	0.775746	0.159244	1.384665	0.475644	1.508732
0.399385	0.463297	NA	0.600774	0.551982	0.77706	0.443944	0.693465	0.881007
1.044402	-0.01867	0.77851	0.751779	1.081014	0.227678	0.919869	0.795127	1.412665
1.163544	NA	0.409289	0.90452	0.930514	1.66279	1.13811	1.204437	0.783694
1.245403	0.869255	0.980154	1.236204	0.787373	1.019931	1.020889	1.182951	0.790047
1.307665	-0.10895	0.907422	0.601056	0.278104	0.243411	0.399064	-0.10186	1.135495
NA	0.819772	0.543897	1.468129	0.627865	NA	0.874307	1.042476	0.207918
0.856029	0.620156	0.675625	0.763222	0.401628	1.09311	0.222671	0.882149	0.569341
0.782564	0.573271	0.502127	1.247505	0.608469	0.857034	0.935149	0.675382	0.951469
1.689599	0.809206	1.047897	0.570984	0.722629	0.8309	0.988548	0.770134	1.356212
NA	1.151024	0.837624	1.296706	0.639879	1.580302	1.766041	0.809873	0.79183
0.602909	0.855085	0.613362	0.895001	0.982744	0.924334	0.732664	0.485806	1.202051
0.486354	1.075974	0.912093	0.28373	0.804037	1.037828	0.679844	NA	1.196231
1.356969	1.111309	0.735508	1.057897	0.11634	1.352243	1.134606	1.572823	1.202425
0.978728	0.866795	0.126126	1.240309	0.886595	1.297107	1.381624	1.1003	0.966309
0.930382	0.675569	0.740721	0.937604	1.020904	1.157328	0.775304	0.770042	1.046586
0.902602	1.199182	0.605559	1.64665	1.298424	1.545595	0.799499	1.736512	0.045829
0.792347	0.666639	0.363179	1.090743	0.584663	0.259374	0.312101	0.738999	1.291924
0.485447	0.615159	1.052288	1.096237	0.918629	1.148954	0.889549	0.432932	1.066593
0.644286	0.743951	0.468478	0.574322	0.555152	0.48544	NA	1.038804	1.060696
1.109167	0.910273	0.826922	1.041587	0.792257	1.157031	0.973276	1.176436	0.376662
1.57742	0.056889	1.49873	1.14736	1.138632	0.329661	0.658528	0.404176	1.146188
0.691553	0.456969	0.436132	1.152321	0.591222	0.632698	0.901915	0.441279	0.918909
1.167847	0.771492	0.943853	1.112572	0.467844	0.742324	0.555396	1.333224	0.576062
0.921038	0.816536	1.22661	0.75987	0.877152	0.56269	0.696849	0.697633	0.795318
1.505281	0.935791	0.864066	1.057568	0.76011	1.137546	0.834356	1.033438	1.057774
1.059973	0.698186	0.273545	1.232299	0.716428	0.914238	0.21939	1.621745	0.266435
0.916074	0.719036	0.755128	1.309219	0.367439	0.910025	0.737797	0.351363	0.550932
0.932447	0.608945	0.440055	1.489486	1.294608	1.27264	0.734891	0.621118	1.416766
1.231841	1.044268	1.776498	0.159358	0.209214	1.001477	0.751273	0.840484	0.315816
0.9915	0.622525	0.997219	1.001591	0.745258	0.664049	0.901615	0.545556	0.791492
1.007269	0.540744	0.747005	0.922116	0.244568	0.489907	0.31205	0.604782	0.845915
0.660674	0.778334	0.245954	1.218766	0.474655	0.795923	0.636655	0.691876	0.4883
0.617262	0.495436	0.365838	1.059887	0.504268	0.699264	0.822622	0.999065	1.534711
NA	0.886009	0.503833	0.607892	0.323535	0.980559	NA	1.014525	0.482498
NA	0.451351	0.794028	0.549182	0.394296	0.907658	0.606594	0.131142	0.462925

1.024522	0.791033	0.658254	0.543839	0.110953	0.861449	0.61126	0.778917	0.985745
0.430394	0.195829	0.2962	0.573239	0.569108	0.400872	0.163572	0.631165	0.88716
0.876446	1.099212	0.511817	0.750321	0.404601	0.354261	NA	1.441872	0.965225
NA	0.697192	0.726759	1.407653	0.563308	0.426102	0.775981	0.688685	0.86502
0.711169	0.779894	0.53194	1.146249	0.59441	NA	0.711304	0.54099	1.082315
1.104249	0.637604	0.84197	1.003614	0.415873	0.68977	0.498273	0.821949	0.134276
1.011975	0.248554	0.751941	1.332494	-0.02087	0.694518	1.50525	0.290735	0.899759
0.781963	0.731392	0.901228	0.384896	0.584667	1.193177	0.715097	0.787046	0.623409
1.561922	1.3608	1.165093	1.357035	1.174301	0.395649	1.486014	0.90266	0.809047
1.562815	0.906924	0.874877	0.945634	0.296766	0.866861	0.787899	1.051225	1.063759
1.214929	0.908849	1.007646	0.984704	0.447975	0.846001	0.767045	0.750041	0.779489
0.905782	1.116338	1.169368	0.776805	0.904857	1.016992	0.679528	1.15066	0.784632
0.335965	0.554954	0.399231	0.659649	0.335009	0.851802	0.228153	0.640004	0.696147
1.087416	NA	1.096572	1.412453	0.87802	NA	0.885847	0.892166	-0.35816
1.290009	0.805784	0.977748	0.751594	0.7304	0.478509	0.987658	0.973971	1.231988
0.293579	0.988905	0.664191	0.92538	0.645828	0.515889	1.265949	0.693821	1.083062
0.236323	0.58377	0.604331	1.08839	0.405069	0.417863	0.092768	0.205696	0.03094
0.178598	0.687264	0.137399	1.024975	0.858877	1.010364	0.4545	1.044615	1.067636
1.016305	0.748738	0.756929	0.131919	0.6196	1.198954	0.536092	1.111915	0.126226
0.815585	0.723693	1.064125	1.618574	0.586641	0.935525	0.566063	1.143681	0.9684
0.704042	0.864475	0.897484	0.985307	0.008139	0.538315	0.762904	0.931306	1.188872
1.486321	0.912022	1.535829	0.461153	1.774331	1.141502	1.166717	1.099317	1.815474
0.699171	0.475063	0.852305	1.03777	0.838381	0.422127	0.214227	0.749231	0.794354
1.064467	0.82541	0.673119	1.691391	1.075103	1.401843	0.761753	1.033719	0.567411
NA	0.718265	1.266651	1.010019	1.06149	1.283141	NA	0.534951	1.283273
1.230522	0.539147	0.958454	1.762858	0.947602	1.17113	1.234226	0.484307	1.346154
1.279581	0.291233	1.49119	1.252063	0.6527	0.728506	0.820845	-0.14959	1.595637
1.388455	0.905872	0.959472	0.816387	0.656109	1.168159	1.377604	0.528079	0.289404
0.811143	0.640788	0.486411	1.158605	0.888562	1.073803	0.537728	1.127682	0.458457
1.524642	1.042925	1.593567	1.100461	1.395508	0.621797	1.26084	0.760157	2.049723
1.038756	1.047438	0.50602	-0.38289	-0.47206	0.763572	0.330284	0.017994	0.799302
0.496082	1.734478	0.94356	1.143181	1.050894	1.59152	0.887139	1.208775	1.054324
0.712363	1.028621	1.343944	0.81472	1.457508	1.590965	0.847394	1.099553	0.902058
0.885997	-0.04671	0.000854	1.154306	0.560407	1.462744	0.762446	0.517905	0.466795
0.649989	1.088563	0.782622	0.668393	0.980642	0.566269	1.193892	1.592528	0.774312
1.022815	0.272034	0.52377	1.147841	1.047237	0.03402	1.038717	0.647806	1.618701
1.004783	0.695321	0.681116	0.865245	0.557088	0.923496	0.499514	1.412874	1.082201
0.499747	0.918351	0.712013	1.769117	0.857013	0.56306	0.977475	0.612489	0.832206
0.893656	1.000648	1.333649	1.26986	1.170375	0.980796	0.736061	0.339297	NA
0.830285	0.621789	0.881771	0.101587	0.996838	0.288599	0.832617	0.688942	0.649933
0.447155	0.720252	0.418694	0.776296	0.794529	0.505494	0.271738	0.963962	0.39845
0.675419	-0.16581	0.356182	1.277153	0.503247	1.051011	0.489754	0.134678	0.838315
0.549907	0.720562	0.770867	0.596046	0.482244	0.709951	0.73151	0.958478	0.371886
1.069665	1.073976	0.427926	1.021552	1.017417	0.695007	0.538407	0.77159	1.088095
0.706313	0.677634	0.774497	0.253631	0.974599	1.189303	0.773255	0.81247	1.137408
1.001667	0.952151	1.626536	1.476118	1.269093	1.407701	0.933981	1.357135	1.021661
0.157608	1.294249	0.992764	0.858234	0.941404	0.97886	0.345085	1.192514	1.237473
NA	0.206423	0.423572	1.422033	0.953469	0.348181	0.507163	1.039046	1.06464
NA	1.194475	0.908162	0.977626	0.683596	NA	1.100338	1.518567	0.893237
0.731504	0.761131	1.045759	1.015067	0.642408	1.553783	0.539609	1.018328	0.440366
0.592176	0.70176	0.82086	0.544739	0.56901	NA	0.72732	0.873581	0.688955
0.410448	0.676159	0.285674	1.234531	0.754351	0.83457	0.513056	1.459709	0.822957
0.604227	0.640023	0.662462	1.154497	0.54211	0.670156	0.608158	1.199693	0.325257
0.542032	0.742278	0.974029	1.056476	0.515747	0.232011	NA	2.156508	0.741797
0.86263	0.95781	0.736502	0.879629	0.848498	0.428785	0.532957	0.551038	1.113073
-0.20589	0.603103	0.163058	0.554874	0.959178	0.462456	0.813905	0.37992	-0.13894
1.004045	0.826585	0.789594	0.897974	0.780551	0.918538	0.939174	0.788103	1.0226
1.132116	1.248034	1.231654	1.716564	0.461743	0.567431	0.876295	1.659865	1.300187

0.68497	0.651246	0.22271	1.213407	0.348871	0.764372	0.801249	0.255051	1.132101
0.258904	0.701493	0.339433	0.740946	0.914582	2.096658	0.17644	1.572731	0.678612
0.852857	0.663514	0.639379	0.580762	0.221021	0.801512	0.466503	0.502843	0.547814
0.820579	0.760203	0.441092	0.732516	0.300441	1.08466	0.587387	0.665394	0.774896
1.107281	0.876979	0.453873	1.727289	1.256696	0.454652	0.645589	1.063583	0.721436
1.201954	0.656979	0.563685	1.712413	0.571339	0.608838	0.859475	1.255552	0.943148
0.783951	0.488401	0.922737	0.644796	0.532586	0.52516	0.498177	0.268211	0.779488
1.105663	0.895225	1.273741	1.111693	0.211264	1.141989	1.16127	0.288953	1.001864
0.307003	0.849021	0.497048	0.718176	-0.02443	0.654918	0.456645	0.314095	0.001021
0.527248	0.702222	0.398	0.847725	2.069126	1.37247	0.48154	0.338319	1.12723
0.706129	0.696274	0.220908	1.411067	0.478358	0.750914	0.339904	0.90863	0.855533
0.056832	1.405283	0.58679	0.545544	1.355389	1.05126	0.556611	1.253331	0.604295
1.214463	0.957762	1.173195	0.425282	0.443406	0.766335	0.720643	1.370296	0.936501
0.565364	0.582193	0.950362	0.449204	0.403845	0.849225	0.595057	0.314198	0.767287
NA	0.586172	0.713042	1.863674	0.772505	0.722623	1.586151	0.564051	1.050491
1.037139	0.873883	1.114504	1.4907	0.774594	0.042811	NA	0.626727	1.511133
1.126916	1.079626	0.153079	0.9276	0.361161	1.163867	0.75312	0.534896	0.586977
0.339342	0.217819	0.886932	0.062405	0.200784	0.595094	0.711279	0.620998	0.5989
0.719056	0.838804	0.981971	0.581194	0.625788	0.782807	NA	0.444808	1.025034
1.518479	1.095274	1.281244	0.621124	1.152787	1.360569	0.797531	1.212973	1.40524
1.199893	1.064788	0.481416	1.023229	0.343911	0.545948	0.727884	1.093441	-0.07808
0.997126	0.983543	0.868767	0.977356	0.674062	1.059683	0.623535	1.10603	1.333442
-0.00137	0.748609	0.932036	1.059721	0.509392	1.354822	1.231178	0.420231	0.047595
0.739287	0.954103	0.806157	1.106766	0.779389	1.442928	0.644912	1.123228	1.126466
0.916609	0.629984	0.814141	0.907398	0.557054	1.260146	1.243845	0.288771	1.044024
0.472162	0.112537	0.451851	0.422707	0.823648	0.835834	0.272343	0.990356	1.0498
0.567459	0.703491	0.656602	0.425161	0.647292	0.878619	0.386219	0.482771	0.813446
1.113747	0.347522	0.954686	1.381716	0.479139	1.464623	0.806277	0.911554	0.582622
0.989466	0.695693	0.950246	0.949943	0.776511	0.941387	0.427041	1.197036	0.585289
0.585347	0.931137	NA	0.447297	0.67604	1.032153	0.39954	0.54275	1.112383
0.422868	0.455704	0.42409	0.729689	0.633273	0.702886	0.539509	0.369726	0.987466
0.001878	0.385724	0.172156	1.129275	0.565139	0.773424	0.303588	1.065777	NA
0.362117	0.328399	0.922824	0.667693	0.745052	0.36891	0.569674	0.962662	0.753311
0.580935	0.676382	0.374474	0.765365	0.513436	0.809313	0.653565	0.953306	NA
0.715622	0.486024	0.353502	0.679443	0.67058	0.949606	0.715779	0.753591	0.728712
0.628079	0.096187	-0.10035	1.024889	0.490006	0.706009	0.047252	0.50892	0.547584
0.415895	NA	0.682258	0.994576	0.508936	0.694946	0.785129	0.604637	0.638485
0.839732	0.570546	-0.0899	1.646675	1.095495	0.129514	0.376659	1.135662	0.564051
0.895441	1.08097	0.9608	1.052446	0.963346	1.350901	1.049774	0.943289	0.963854
0.343724	0.582214	0.315253	1.667763	1.051784	1.044805	0.326582	0.887974	0.876204
0.849848	0.3454	0.814703	0.491682	0.383053	0.942948	0.553251	0.68828	0.454214
1.183309	0.32447	0.433727	1.327867	0.609126	1.047633	1.036504	0.591844	0.002536
1.20779	0.226397	0.505798	0.776481	0.496624	0.653192	0.421691	0.080403	0.719896
1.076298	0.862105	1.092732	0.988488	0.331518	0.601507	1.062878	0.752525	1.274145
1.120289	0.519591	0.496583	1.572251	0.015426	0.552687	0.982792	0.287382	0.592349
0.55798	0.673841	0.605324	1.159402	0.606189	1.059367	0.853553	1.107387	0.110125
NA	1.270705	0.655905	0.552957	1.084017	0.85011	0.684792	1.292275	1.634086
1.243831	0.816512	0.814495	1.13955	0.467764	1.458076	0.911573	0.783178	0.142934
0.469103	0.300162	0.883041	0.812994	0.432577	0.967578	0.67002	1.194981	0.39737
0.656121	0.337275	0.129215	0.747856	0.459335	0.682153	0.423502	0.51899	1.07209
0.531522	0.660126	0.837182	0.416035	1.356433	0.186351	0.794506	0.534271	1.41466
0.979127	0.619875	0.692161	1.382777	1.152993	1.001111	0.487457	0.802352	0.801269
0.974686	0.303379	0.276304	0.243978	0.356309	0.163172	0.398162	-0.0435	0.40881
1.137752	0.989172	0.80781	1.288083	1.21271	0.880666	1.316695	0.365902	0.478238
0.780503	0.223155	0.306419	1.021026	0.558503	0.353698	0.730922	0.083209	0.565014
0.43827	0.56201	0.524811	0.747456	0.656469	0.957424	0.671701	0.442964	0.875978
1.245512	0.295556	0.785006	1.05952	0.437809	0.90371	0.386406	0.28212	1.194205
0.773408	0.430609	0.405456	1.048597	0.117013	0.72166	0.691858	0.878984	0.416251

0.254717	0.714674	0.485259	0.843098	0.468922	0.121371	0.403649	0.846624	1.035716
1.49716	0.93566	1.255171	1.458808	0.388948	0.760218	0.562783	0.790994	0.724818
0.628184	0.964764	0.897592	0.408957	0.365486	0.805793	0.717833	0.714376	1.321842
0.500659	0.459459	0.865512	0.417856	0.315968	0.112399	0.371817	-0.05513	0.504169
0.781413	0.769614	0.384821	0.219239	0.190479	0.847565	0.505944	0.436033	0.418498
NA	0.183591	1.016347	1.056732	0.332118	0.763546	0.449903	0.410424	0.17414
0.27664	1.256879	0.811151	1.405221	0.717414	0.738745	0.85976	0.950834	0.44431
0.774324	0.258943	0.954683	0.829325	0.634899	0.884581	0.609835	0.19721	1.331744
0.497167	2.156586	1.064172	0.882645	1.386299	1.028286	0.577099	0.343793	0.894434
0.332876	0.396215	0.3346	0.230871	0.307568	0.988968	0.413694	0.590357	0.744427
0.660762	0.424895	0.456908	0.592049	-0.0011	0.89565	0.360631	0.287665	0.472521
0.323746	0.603748	0.783093	0.826005	0.488008	0.63679	0.324885	0.831072	0.77723
0.409456	0.522158	0.506832	0.174869	0.239731	0.293066	0.276275	0.669768	0.768083
0.722142	0.888458	0.897124	0.266277	0.071175	0.877071	0.688727	0.385659	0.999269
0.92544	0.20068	0.519239	0.207355	0.294689	0.62876	0.627852	-0.23646	NA
0.169601	0.244167	0.481628	0.275132	-0.00853	0.364157	0.355814	NA	0.405056
0.812863	0.454387	0.430503	1.065426	0.016155	0.231025	0.250258	0.793424	NA
0.099946	0.377017	0.016194	0.296449	0.795776	0.631475	0.107294	0.704087	0.34593
0.615604	0.257828	0.430409	0.450394	0.388647	0.156224	0.259819	0.659317	0.523776
0.496973	0.633024	0.731941	-0.20442	0.52015	0.852193	0.570168	0.651274	0.528794
0.976531	0.625516	0.3226	0.684346	0.24893	0.344881	0.517552	0.869401	0.539458
0.720514	-0.01506	0.713426	NA	0.36262	1.019127	0.501776	-0.25843	0.220072
0.873171	0.332673	0.723693	0.664998	0.218602	0.609477	0.388939	0.788176	0.76054
1.217124	0.586209	0.644449	0.948815	0.287371	0.490333	0.71691	1.064542	0.952417
0.516161	1.068787	0.489696	0.315871	0.498632	0.476009	0.65303	1.358285	0.861041
NA	0.799465	0.87751	-0.05351	0.72363	0.40175	NA	0.675459	-0.27556
0.626103	-0.24659	0.170238	-0.03454	-0.40988	NA	0.88522	0.201981	0.293862
0.538197	0.396759	1.044345	1.259915	0.324594	0.719623	0.583453	0.91038	1.052606
0.385988	0.20771	0.47761	0.248104	0.135918	0.810291	0.355782	0.368222	0.024074
0.482952	0.288863	0.761706	0.998504	0.752824	1.247136	0.543371	0.749833	1.006588
0.248909	0.37224	0.5225	0.827282	0.374761	0.326791	0.243625	0.487494	-0.29465
NA	0.826723	0.769344	0.742086	0.691538	0.700496	0.600209	0.439541	0.858715
0.927712	0.502586	0.760284	0.35617	0.189699	0.943082	0.372272	0.43156	0.707126
-1.19772	-1.15732	-1.45669	-0.89524	-1.06544	-1.03079	-1.04773	-0.36576	-0.72107
-0.02936	-0.24169	-0.40349	-0.8958	-0.5999	-0.0256	-0.18278	-0.47407	-0.44924
0.054466	-0.28073	-0.41682	-0.5279	-0.5693	0.10786	-0.07044	-0.46512	-0.581
-0.39051	-0.52073	-0.43093	-0.9925	-0.51782	-0.56087	-0.5116	-0.66648	-0.71113
-0.37298	-0.42454	-0.54417	-0.96656	-1.01339	-0.75941	-0.41729	-0.77125	-0.60829
-0.39634	-0.53447	-0.54508	-0.63339	-0.85023	-0.17468	-0.62149	-0.81091	-1.22202
NA	-0.75234	-0.39892	-1.33374	-1.19205	-1.18083	-0.64565	-0.84764	-0.9333
-0.65678	-0.09935	-0.32014	-0.18843	-0.19605	0.214519	0.072125	-0.73884	-0.28561
-1.33489	-0.9698	-0.21797	-1.78102	-0.42693	-0.68455	-0.91522	-0.78031	-1.00992
-0.90919	-1.05937	-0.93542	-0.20477	-0.36215	-1.3101	-0.25578	-1.06601	-0.01394
0.211146	-0.03483	-0.81108	-0.32754	-0.21195	-0.42678	-0.56118	-0.92523	-0.34287
-1.59985	-0.97951	-0.85641	-0.65319	-0.27003	-0.53005	-0.13322	-0.91914	-1.23489
0.05577	-0.42904	-0.35385	-0.22747	-0.54263	0.057028	-0.08716	-0.49032	-0.88822
-0.05003	-0.29112	-0.32063	0.23515	-0.72239	-0.75924	-0.37128	-0.86413	0.078479
-1.15794	-0.48462	-0.94823	-0.15337	-0.5029	-0.04969	-0.94854	-0.86404	0.145045
-0.61335	-0.9161	-0.69145	-1.61828	-0.88644	-0.73026	NA	-0.97946	-0.83115
-0.61886	-0.34963	-0.72115	0.118702	-0.00948	-0.22406	-0.1784	-0.22488	-0.78494
-1.51301	-1.06206	-0.94449	-0.36156	-1.09338	-1.29869	-0.72524	-0.91037	-0.86271
-0.97977	-0.87072	-0.96422	-0.30007	-0.79537	-0.64299	-0.34183	-0.86395	-0.62999
-1.22769	-0.82371	-0.44054	-0.39941	-0.46905	-0.9835	-0.55557	-1.05883	-0.55633
-1.43798	-1.41158	-0.41355	-0.84717	-0.57591	-0.59726	-0.45053	-0.41504	-0.3355
-0.72585	-0.6875	-0.58954	-1.02958	-0.85168	-0.81126	-0.88911	-0.67589	-0.9265
-1.05764	-0.85725	-0.66293	-0.33238	-0.27992	-0.94401	-0.52419	-1.0603	-0.27559
-0.6696	-0.86067	-1.03263	-1.35152	-0.88914	-0.26209	-0.60325	NA	-1.45672
-0.62403	-0.31713	-0.83175	0.177798	-0.4734	-0.85705	-0.27506	-0.34462	-0.47453

-0.68697	-0.73854	-0.18964	-0.57085	-0.39849	-1.07435	-0.23543	-1.00639	-0.79133
-1.5765	-0.57997	-0.856	-1.1905	-0.34429	-1.25129	-0.17938	-1.23092	-0.55275
-0.33367	-0.55277	-0.45026	-0.41058	-0.81963	-0.17148	NA	-0.33258	-0.70799
NA	-0.73364	-0.52542	-0.68888	-0.24975	0.080818	-0.5768	-0.19578	0.326406
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-1.03562	-0.82559	-1.52461	-0.75823	-0.83641	-0.75855	-0.85286	-0.75632	-0.66741
-0.3048	-0.75692	-0.92795	-1.1727	-0.53497	-0.64019	-0.39927	-1.26932	-1.56242
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-0.59806	-0.66247	-0.46572	-1.03242	-1.02901	-0.37713	-1.07303	-1.07123	-0.6142
-0.301	-0.56373	-0.93785	-0.92558	-0.02389	-0.83187	-0.06278	-0.79456	-0.67055
-0.85848	-1.07425	-0.80148	-0.80232	-0.95526	-1.07602	-0.81603	-1.05326	-0.60401
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-0.6078	-0.44297	-0.60709	-0.58632	-0.79158	-0.93032	-0.45683	-0.97808	-0.54799
-0.66376	-0.5867	-0.18767	-0.73836	NA	-0.40887	-0.6072	-0.60491	-0.44744
-1.14174	-0.7062	-1.32898	-0.6475	-1.29291	-0.72795	-0.58875	-0.3421	-1.08717
-1.65467	-0.95816	-1.09511	-0.73269	-1.00325	-0.90177	-1.2242	-1.14476	-1.36612
-0.95428	NA	-1.0708	-1.00043	-0.9547	-0.75802	-0.74114	-0.76128	-0.57574
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-0.25916	-0.50767	-0.42244	-0.20381	-1.55358	-1.13519	-0.44625	-1.38605	-0.76864
-0.73693	-0.56619	-0.25584	-0.69882	-0.46383	-0.31096	-0.73987	-0.6096	-0.37443
-0.90379	-0.57461	-1.14122	-0.3315	-0.42189	-0.90915	-0.71021	-0.70102	-0.74079
-0.64533	-0.86466	-0.89255	-0.08318	-0.28374	-0.07351	-0.70961	-1.66731	-0.02903
-0.64333	-0.46576	-0.92202	-0.18191	-0.66443	-0.71734	-0.54581	-0.27897	-0.32641
-0.60082	-1.60643	-1.25281	-0.58561	-0.37718	-0.54544	-1.32063	-1.09963	-0.05034
-0.05335	-0.51574	-0.39412	-0.26242	-0.60978	0.032752	-0.172	-0.51022	-0.94035
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NA	-0.6128	-0.93092	-0.4647	-0.28541	-0.38611	-0.5717	-1.07995	-1.60961
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-0.52623	-0.48942	-0.51387	-0.71465	-0.59733	-1.33367	-0.47884	-0.47109	0.140495
-0.87297	-0.4354	-0.56231	-0.741	-0.68483	-0.47114	-0.76887	-0.97656	-0.94198
-1.26822	-0.42277	-0.84046	-0.46132	-0.65684	-1.09125	-1.11084	-0.2073	-0.79705
-0.94611	-0.35697	-0.78858	-0.49186	-0.96644	-0.96618	-0.64413	-0.86819	-0.74442
-0.9742	-0.84481	-0.94891	-0.93764	-1.09697	-1.02045	-0.78676	-0.96574	-0.67133
-0.89555	-0.76496	-1.02254	-1.0657	-1.39602	-0.66095	-1.13394	-1.28393	-0.90143
-0.56144	-0.79163	-0.76549	-1.39149	-1.10852	-0.85083	-1.20675	-1.24318	-0.87694
-0.79882	-0.76526	-1.0445	0.092835	-0.15947	-0.15508	-0.5181	-0.40845	-0.82896
-1.05341	-0.89254	-0.57864	-1.16855	-1.44342	-0.95654	-1.12081	-1.68814	-0.83468
-1.55036	-1.13729	-1.50137	-0.73044	-0.83832	-1.06703	-1.17839	-0.50643	-1.25121
-1.10037	-0.94094	-1.2115	-1.08698	-0.37957	-0.7744	-0.93966	-0.97154	-0.71631
-1.64996	-0.76158	-1.06769	-0.80556	-0.90258	-0.50179	-0.63606	-0.88122	-0.65328
-0.82659	-0.91593	-0.93593	-0.37435	-0.2634	-0.81045	-1.11435	-0.94034	0.353492
-0.9303	-0.95233	-0.99561	-0.93636	-0.39509	-1.19187	-0.96723	-0.74761	-1.03454
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-0.18731	-0.5205	-0.74286	-1.18612	-0.70963	-0.26898	NA	-1.10522	-1.21783
-0.33447	-1.30365	-0.94227	-1.31262	-0.98817	-0.97216	-0.89972	-1.24069	-0.85477
-0.76358	-0.78916	-1.00487	-0.82946	-0.7023	-0.38851	-1.01754	-0.70024	-0.89994
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-1.45882	-0.21947	-0.81175	-1.16507	-0.58013	-0.43683	-0.51793	-0.23703	-0.44004
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-0.96791	-0.65274	0.163826	-1.52351	-0.79198	-0.36079	-0.00022	-0.76065	-0.7906
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NA	-1.02023	-0.82523	-1.01669	-0.23641	-1.3239	-0.34701	-1.40456	-0.07871
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NA	-0.58388	-0.53359	-1.31369	-1.40623	-1.09698	-1.55107	-1.22759	-0.74062
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NA	-0.90986	-0.85779	-0.82881	-0.27368	-1.11495	-0.95164	-1.15766	-1.52332
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NA	-1.35581	-1.37991	-1.46116	-1.05502	-1.53177	-1.20356	-1.04522	-1.03615
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0.038049	-0.45537	-0.40316	-0.56566	-1.03294	-0.15084	-0.12343	-0.68388	-0.92443
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NA	-1.10049	-0.93186	-1.41761	-1.09941	-0.1074	-0.86016	-1.43344	-0.63798
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0.429999	-0.04895	-0.52315	-0.66982	-1.18309	-1.124	-0.24883	-0.6573	-1.30582
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NA	-0.47693	-0.56679	-0.87008	-0.38089	-0.74759	-1.13351	-0.4004	-1.37506
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NA	NA	-2.35383	-1.18872	-1.65681	-1.0379	-1.78072	-1.36589	-0.75633
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NA	NA	-0.8498	-0.98334	-0.58209	-0.49158	-0.87566	-0.79367	-1.21909
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-0.75359	-0.47809	-0.39136	-1.40785	-0.70462	-1.69042	-0.61285	-0.57387	-0.86658
-0.78991	-0.98528	-0.78555	-1.3728	-0.04318	-0.50944	-1.15045	-1.37018	-0.56011
-0.12225	-0.4251	-0.3337	-1.41943	-0.64645	-0.09078	-0.06766	-0.29987	-0.77953
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-0.51063	-0.5544	-0.67973	-1.09196	-1.18154	-0.70418	-1.17205	-0.37074	-1.55668
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-0.62881	-0.64607	-1.17605	-1.13956	-1.00208	-1.17933	-0.5319	-0.68599	-1.10594
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-1.37621	-1.09503	-1.42	-1.17398	-1.08997	-1.15007	-0.91055	-1.05907	-1.065
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-1.40422	-1.1052	-1.61753	-0.3185	-0.83653	-0.95617	-0.90202	-0.85882	-0.86257
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0.464998	-0.45832	-0.63237	-0.21568	-0.57283	0.214158	0.322914	-1.15313	-0.51506
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NA	-1.27457	-1.87236	-0.54695	-1.24006	-0.42697	-1.69543	-1.75671	NA
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NA	-1.29534	-1.40812	-1.45524	0.013316	-1.38693	-1.42703	-1.00437	-1.28179
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-0.82647	-0.85614	-0.6199	-1.47467	-0.48056	-0.62315	-0.3869	-0.57229	-0.53148
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-0.97452	-0.79207	-1.11596	-0.13738	-0.25703	-1.39294	-1.33992	-0.90177	-0.35067
-1.68318	-0.96932	-1.08134	-1.36698	-0.55705	-0.33149	-0.96008	-1.2234	-1.24548
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NA	-1.09728	-0.82226	-0.21644	-0.7111	-1.20166	-1.51309	-1.03695	-0.7618
-1.13688	-1.30851	-1.20918	-2.52759	-1.33062	-1.92221	-1.16903	-1.43722	-0.20363
NA	-1.29847	-1.2909	-1.926	-0.19852	-0.6899	-1.00307	-0.86177	-1.03522
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NA	-1.00824	-0.6922	-1.79553	-0.67656	-1.45385	-0.74328	-1.37528	-0.96361
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NA	-1.29204	-1.23192	-1.43191	-0.86432	-1.77532	-1.6353	-1.22844	-0.24227
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NA	-1.56828	-2.22997	-1.63149	-1.62038	-1.64154	-0.83689	-2.22427	-1.30732
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NA	-1.51318	-1.49991	-1.31437	-1.74871	-0.7116	-1.47383	-0.52511	-0.63093
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NA	NA	-1.74187	-1.61178	-1.53053	-1.72946	-1.59128	-1.76208	-1.83221
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NA	-1.20541	-1.22228	-1.29167	0.11821	-0.76925	-1.95222	-2.04373	-0.84345
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NA	-0.87048	-0.81441	-0.06235	-0.23833	-0.98075	0.160857	-0.59334	-0.21458
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NA	-1.84233	-0.96932	-0.71364	-0.72107	-0.78651	-1.1548	-1.67391	-2.25253
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NA	-1.91285	-1.65167	-2.07722	-2.91197	-1.79617	-2.25047	-1.47673	-3.16638
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NA	-1.08707	-1.7015	-1.85978	-2.08628	-1.66885	-1.58998	-1.63019	-1.21393

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NA	-1.39775	-2.30701	-1.38034	-3.55785	-2.77363	-1.53427	-1.82221	-1.46666
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NA	-1.25286	-2.26961	-2.72884	-1.84045	-2.13692	NA	-2.03482	-1.69769
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NA	-1.66973	-1.95977	-1.13727	-0.95283	-1.74489	-0.85974	-1.53775	-0.76606
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NA	-1.5945	-1.4707	-0.76343	-0.59422	NA	-0.7118	-0.86531	-0.77014
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NA	-1.93217	-2.15445	-2.76595	-2.70432	-2.29475	-2.61864	-2.17377	-1.93516
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NA	-1.71695	-1.92574	-1.1745	0.441029	-0.86155	-2.0032	-1.697	-1.23622
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NA	-2.65299	-1.82207	-2.99265	-2.6557	-2.3725	-2.44211	-2.52031	-2.42948
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-2.29032	-2.05315	-1.46461	-3.02089	0.812549	-2.62571	-2.96972	-0.45236	-2.19041
-2.22632	-1.71233	-1.67371	-2.85835	-0.78681	-2.0035	-2.68161	-1.37365	-2.41336
-3.4732	-2.75963	-2.90645	-2.17607	-1.0565	-2.58103	-3.75531	-2.37371	-1.88048
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-3.8088	-2.25098	-2.92796	-1.63651	-2.23151	-3.07162	-2.60733	-2.11606	-2.94967
-1.36424	-2.828	-2.03592	-3.60228	-0.59419	-2.04199	-1.71806	-2.36169	-4.56826
-2.75768	-1.59767	-2.01013	-1.1455	-2.14395	-2.26354	-1.36304	-3.73344	-3.33343
-3.34484	-1.98019	-1.65912	-3.60185	-1.5157	-2.58888	-1.46284	-2.45846	-2.20911
-1.77202	-2.32377	-1.19573	-1.97713	-0.52871	-1.48064	-1.81651	0.168432	-2.75638
-2.53296	-3.34611	-2.2152	-2.12948	-2.06203	-1.41826	-2.82923	-1.50702	-3.59422
-3.07122	-3.73575	-0.50292	-2.90868	-0.97802	-2.05163	-3.78315	-2.22683	-1.89373
-2.25851	-1.99918	-2.17056	-1.19196	-1.54088	-2.29358	-1.50551	-1.85192	-3.33305
NA	-2.11423	-2.80848	-2.81385	-2.34922	-2.57065	-2.58881	-2.79681	-3.63588
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-2.33617	-1.97479	-2.14077	-3.73792	-0.65582	-1.95882	-2.33136	-1.44889	-4.04005
-2.78815	-1.93893	-2.21322	-2.71058	-2.95285	-2.44303	-2.61675	-2.69414	-3.11894
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-2.358	-2.36412	-2.02816	-2.96801	NA	-2.70693	-2.77407	-1.66478	-3.02735
-0.11938	-3.59009	-2.03028	-3.56395	-2.00362	-2.08944	-1.4674	-2.83239	-2.95241
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-3.0322	-1.10949	-1.38751	-3.1414	-2.38954	-2.11217	-2.82839	-0.9133	-3.73405
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-2.88021	-2.27496	-1.39503	-2.81166	-0.70524	-2.96605	-1.89891	-2.31774	-1.72085
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NA	-2.99571	-2.90937	-3.47815	-2.1347	-2.15549	-2.64154	-2.975	-1.3519
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-0.87417	-3.26759	-2.49393	0.021583	-2.24801	-5.16625	-4.54971	-2.60694	-0.52821
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NA	-1.34441	-1.99333	-2.23767	-3.11791	-1.20751	-2.63764	-3.33482	-2.27421
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NA	-4.15485	-4.1527	-2.75039	-0.81923	-2.42477	-2.12837	-2.23849	-0.32095
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-1.63006	-2.61979	-2.16592	-3.38697	-1.00325	-1.71861	-2.15229	-1.66481	-2.16769
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-2.04931	-3.89432	-2.79568	-3.63788	-0.20067	-2.41081	-0.93542	-2.34119	-2.41907
-3.5333	-2.30319	-2.69904	-4.33114	-2.47641	-1.93589	-3.06613	-1.82286	-3.52338
-2.95496	-3.48905	-3.6366	-4.41557	-5.31725	-3.89449	-3.06674	-3.62474	-0.95883
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-2.47498	-2.24543	-1.34338	-3.42192	-1.46449	-2.00114	NA	-2.05618	-3.06246
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-2.81074	-2.60649	-2.40177	-3.3974	-2.06082	-2.38877	-2.6284	-0.82536	-3.4927
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-2.63522	-1.76628	-1.01155	-2.29208	1.283791	-3.54339	-3.46031	-0.99619	-3.28814
-2.96187	-3.4697	-3.59262	-2.8226	-1.51606	-2.17739	-1.8276	-3.27332	-1.80141
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NA	-1.80922	-3.6902	0.021274	-1.21237	-2.75062	-1.02274	-2.14792	-4.3736
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-4.22963	-3.00813	-3.66006	-4.97695	-2.08146	-3.30228	-3.15852	-2.63905	-2.15176
-3.54691	-2.05205	-3.20633	-3.35798	-1.37628	-2.2611	-1.02109	-1.69764	-0.63986
-3.29777	-3.54931	-3.00045	-3.50945	-4.52484	-3.32823	-3.12793	-3.64982	-3.00312
-3.87852	-4.45125	-3.12526	-3.32472	-0.28867	-3.27447	-4.02173	-2.27287	-1.65281
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-3.03181	-3.12088	-3.22336	-2.74081	-2.92383	-3.89284	-3.12522	-3.16667	-1.85779
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-3.51154	-2.41377	-2.42167	-3.5235	-0.91369	-3.41917	-3.18502	-2.12563	-3.19509
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NA	-1.11688	-1.54866	-3.45867	-3.41557	-2.1267	-1.84754	-1.29948	-4.14377
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NA	-2.52151	-3.17812	-4.48145	-4.00003	-3.09679	-3.23438	-3.89957	-4.493
-3.9138	-3.31845	-2.48466	-2.36083	-2.56446	-4.73877	-2.79122	-2.82326	-2.18531
-1.47498	-5.5379	-4.0634	-5.27995	-3.61104	-6.19463	-5.18905	-2.0151	-3.3531
-3.91937	-2.50434	-2.52931	-3.37889	-1.6779	-3.83337	-3.42655	-3.14564	-2.15044
-4.07549	-3.81658	-2.71917	-2.66488	-2.46898	-2.82212	-3.59486	-2.94644	-2.13423
-4.04287	-3.40392	-2.82431	-4.05353	-0.03579	-3.98551	-4.29479	NA	-5.17862
-2.50119	-3.30751	-2.36241	-2.75438	-3.2602	-3.17355	-2.62481	-1.73097	-2.8736
-3.0834	-1.71433	-1.7913	-3.85743	-3.52129	-2.72249	-2.39192	-1.559	-3.26953
-2.20444	-3.40099	NA	-3.50189	-3.44751	-2.88991	-1.12024	-3.18404	-2.69218
-3.57907	-3.42587	-3.48295	-4.46555	-2.31335	-2.95001	-3.53597	-2.09782	-2.23695
-5.00193	NA	-3.56641	-4.69715	-2.61654	-2.93831	-3.91878	-1.87017	-3.71697
-3.01292	-3.47511	-3.40417	-2.75381	-4.33709	-3.8416	-3.09189	-3.60052	-2.52042
-2.69676	-3.31409	-3.26815	-4.51383	-2.93665	-4.01846	-3.06048	-2.35173	-3.91323
-3.15601	-2.77103	-3.16797	-2.97195	-0.94608	-3.31956	-3.2997	-2.41812	-3.40644
-3.20578	-1.89802	-2.55812	-4.20123	-1.98209	-2.51544	-3.31308	-2.82038	-3.8246
-3.92577	-4.43472	-3.79843	-5.39134	-1.21489	-4.95506	-3.88829	-2.96013	-3.27279
-3.58599	-4.02697	-2.93304	-4.24622	-2.58406	-4.11421	-4.71441	-3.37174	-3.99399
-2.07709	-2.07517	-2.29526	-3.6648	-1.16393	-2.20202	-0.89254	-2.73983	-3.19619
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-1.06506	-4.33433	-2.29885	-2.64153	0.490832	-5.1398	-0.60405	-2.07899	-3.65411
-1.96916	-2.22594	-2.48731	-3.22782	-2.57414	-3.38887	-1.96347	-2.81862	-3.20907

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-2.27477	-2.62814	-2.10656	-4.13651	-1.91566	-3.74829	-2.83363	-1.62242	-3.24924
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-3.50209	-2.99422	-2.67128	-4.32404	-0.91057	-3.24865	-3.06351	-1.86603	-4.29277
-2.83289	-1.07549	-1.60435	-3.48036	-3.24953	-2.21634	-2.2071	-1.49994	-3.94695
-2.46441	-3.00276	-3.14462	-3.57284	-2.25736	-3.19252	-2.8081	-2.47099	-2.7201
-2.24781	-2.4551	-3.05244	-1.71703	-1.65949	-3.50077	-2.70189	-2.45284	-2.63308
NA	-3.22691	-1.65029	-4.44753	-3.32646	-3.26091	-2.79151	-3.64357	-3.16342
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-4.67119	-4.52521	-4.04075	-6.13674	-3.99586	-4.83679	-4.26413	-4.02181	-4.07731
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-3.59953	-3.20242	-3.17076	-3.61848	-1.76273	-3.33971	-3.5385	-3.02254	-3.48941
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-3.23003	NA	-3.48657	-3.5116	-2.49731	-2.59557	NA	-2.45529	-1.8692
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-3.13859	-2.71615	-3.91866	-3.03131	-1.66944	-4.32061	-3.45897	-3.78178	-4.42708
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-2.12872	-3.37839	-3.33426	-3.15786	-1.18113	-3.31434	-2.85683	-2.18737	-1.23787
-1.89993	-3.40039	-3.24532	-3.21913	-1.52411	-3.6979	-3.22556	-3.36709	-1.49191
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-2.60145	-3.29307	-2.92716	-4.04063	-3.2226	-3.24518	-3.06246	-2.53308	-4.09069
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-3.8131	-4.02381	-4.22648	-4.68285	-2.48525	-4.37439	-2.48722	-3.85778	-2.73566
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-3.69141	-2.83947	-2.54908	-4.99942	-2.03714	-2.56689	-4.38802	-3.09621	-3.41701
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NA	-3.47171	-2.67518	-3.84751	-3.81913	-3.0834	-3.19079	-3.86293	-4.15156
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-3.71751	NA	-4.48293	-3.44407	-4.00307	-3.24006	-4.05093	-4.34642	-3.12751
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-3.83266	-2.50614	-2.44819	-2.2827	-2.54599	-2.11723	-1.90953	-2.88388	-3.08498
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-1.2705	-0.65484	-1.50177	-3.1766	-3.12745	-3.01884	-3.58546	-3.01871	-3.26734
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-3.04985	-1.22004	-1.42738	-5.26374	-0.02997	-5.36345	-5.01799	-2.00161	-3.85506
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-2.32215	-2.70892	-2.48914	-3.61381	-0.86607	-4.27155	-2.11458	-2.80714	-2.22139
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NA	-1.64395	-2.02462	0.270656	-1.5613	-2.47596	-2.5374	0.020751	-0.18783
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-3.69418	-4.23449	-4.09401	-4.22313	-3.98791	-4.89784	-3.94863	-4.28382	-4.83549
-4.06509	-3.1131	-3.82803	-3.84762	-2.51911	-3.57951	-4.09707	-2.52749	-3.45051
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NA	-2.6662	-2.34108	-4.1172	-1.85347	-2.38037	-4.79736	-2.42958	-2.2265
-3.06237	-3.4552	-2.73558	-3.64331	-1.63203	-4.06574	-3.70518	-3.16975	-2.20312
-1.41415	-3.09848	-2.9761	-2.153	-2.70829	-3.5662	-2.34038	-3.14446	-2.9974
-1.31036	-2.82222	-2.72326	-4.21524	-2.25141	-4.35848	-3.97709	-2.64883	-3.81482
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-3.29707	-3.94167	-3.91589	-5.29806	-2.72307	-4.91687	-3.81043	-4.0719	-4.07934
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-4.10969	-2.6364	-2.75032	-4.76706	-2.17834	-4.03177	-3.32964	-2.10971	-4.60112
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NA	-3.06625	-2.69963	-4.32245	-3.47858	-3.9431	-3.36882	-4.34988	-3.96913
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-2.73404	-3.36222	-3.23231	-4.84099	-5.42053	-4.3317	-3.27718	-2.76608	-1.70109
-4.20977	-4.21911	-5.14603	-6.30034	-2.97485	-5.2943	-4.91724	-5.0845	-4.63612
-3.59905	-4.34759	-4.6158	-4.37887	-4.4562	-3.71062	NA	-4.62968	-1.77638
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-4.09411	-3.39379	-2.2693	-4.09091	-1.23462	-3.08671	-3.57769	-2.24861	-3.126
-1.89888	-2.34614	-1.19845	-5.0323	-4.0174	-4.50397	-2.64874	-2.68641	-3.86375
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-3.32846	-3.50261	-2.67149	-3.74742	-1.92389	-3.25121	-2.84062	-3.61177	-3.18677
-4.43182	-4.84822	-3.10076	-5.91986	-1.00003	-3.7964	-4.40205	-3.27575	-2.86939
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-3.81392	-4.34896	-4.50791	-5.2541	-4.5564	-5.4114	-4.36635	-4.65552	-2.26273
-2.31225	-2.82187	-3.16815	-4.48936	-2.91353	-4.12393	-3.75077	-3.45447	-4.23621
-3.31001	-3.28123	-2.50366	-4.79147	-3.13863	-4.00439	-4.23588	-2.61419	-3.75493
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NA	NA	-3.05121	-4.03975	-3.53135	-3.81381	-3.72953	-3.99859	-3.48698
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NA	-3.5241	-5.42294	-4.61659	-7.38085	-2.8145	-5.24109	-4.75115	-3.40695
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NA	-3.18691	-2.45077	-4.71625	-2.91509	-3.0541	-3.61605	-3.13864	-4.02319
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-3.7202	-4.11445	-3.66073	-4.51592	-3.33479	-3.70621	-4.07212	-2.9898	-3.40708
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-3.9224	-3.83464	-3.3862	-3.98677	-4.05899	-3.80576	-3.88081	-3.84199	-3.71471
-3.40131	-4.1687	-2.20242	-4.83371	-1.6022	-3.46112	-2.81949	-4.08281	-2.83598
-2.37087	-5.50125	-4.83722	-4.58502	-5.62363	-4.21471	-3.35451	-6.09085	-2.4741
NA	-3.96764	-3.5801	-3.79443	-4.41907	-3.54955	-4.4358	-4.10932	-3.3256
-4.76783	-4.82258	-4.62611	-5.58442	-5.20641	-3.31538	-5.20949	-3.81029	-4.45108
-5.17526	-4.72836	-4.46631	-6.3382	-3.31354	-4.7741	-4.97443	-3.87049	-4.5543
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NA	NA	-4.53236	-5.12389	-4.83868	-4.29624	-4.91971	-5.11569	-4.64571
-4.71645	-5.31607	-5.4005	-6.07394	-7.15014	-4.89089	-4.87539	-5.37201	-6.01276
NA	-3.95539	-5.39172	-4.4431	-4.90867	-4.97767	-5.65517	-5.23929	-4.75862
-6.73268	-5.36919	-5.94957	-6.65636	-4.81272	-5.58712	-6.50271	-5.45364	-5.07348
-6.22678	-4.28117	-5.37868	-4.82041	-2.70188	-5.66306	-5.83464	-4.65567	-3.97515
-5.7249	-6.19561	-6.30149	-6.49124	-4.00188	-4.69297	-5.73145	-5.53141	-4.74718
-4.35156	-5.76581	-4.56158	-5.09072	-3.09043	-4.02579	NA	-3.12881	-4.35654
-5.1349	-3.97946	-4.2835	-4.90877	-3.95128	-4.27282	-5.08277	-4.59462	-5.57906
-4.80625	-4.60814	-4.25124	-5.69459	-2.87805	-4.66607	-4.71822	-3.85012	-5.11155
-4.74526	-3.95417	-4.04682	-6.05349	-3.25548	-5.30776	-4.92909	-4.06811	-5.02411
-4.88458	-5.42482	-4.89595	-7.27412	-3.39411	-5.6	-6.15861	-2.28052	-4.72197
-6.26622	-3.40948	-5.4636	-7.41402	0.064147	-5.98596	-6.24271	-4.65812	-4.84456
-5.29832	-4.70203	-4.69638	-5.43286	-4.50224	-5.6506	-6.17018	-5.11758	-4.92662
-5.39592	-5.97583	-6.012	-6.78154	-4.11137	-6.33917	-5.40743	-5.23166	-6.71024
-4.23465	-4.6106	-4.04013	-4.77441	-2.53489	-4.1598	-4.68547	-3.80196	-5.81854
-5.85051	-6.30138	-5.77396	-7.173	-4.17945	-5.81182	-4.47725	-6.50969	-4.2095
-5.98406	-6.39287	-5.38455	-6.17446	-5.77627	-5.22465	-6.32589	-6.75793	-4.86195
-5.12373	-5.76511	-4.70592	-5.34476	-4.70004	-4.72011	-4.60121	-6.01548	-3.21938
-5.01197	-4.81683	-4.42766	-5.47068	-4.11496	-5.31251	-5.29968	-4.92019	-5.10708
NA	-5.79651	-6.04331	-6.84763	-2.45904	-6.5261	-5.65073	-6.13912	-4.22658
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-3.20254	-4.31277	-4.70307	-5.68041	-5.99208	-5.26065	-4.40237	-4.52219	-2.88049
-4.58089	-4.7082	-4.44874	-5.37459	-4.50701	-5.26312	-4.95479	-4.11483	-4.29444
-5.30765	-4.94649	-4.10283	-5.37947	-5.19258	-4.79654	-4.49011	-3.89926	-5.32938
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-3.76056	-5.86496	-5.15557	-5.36523	-3.24899	-5.57643	-5.32476	-6.14138	-5.06782
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NA	-5.04646	-4.83188	-5.85819	-4.39574	-5.38041	-5.40343	-5.07233	-5.33969
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-5.25961	-4.5287	-4.86529	-5.77672	-3.90515	-5.28934	-4.97533	-4.66618	-4.76053
-5.98802	-5.50444	-4.16598	-6.68496	-3.33372	-6.37943	-5.10993	-3.96294	-4.42202
-5.6915	-6.24186	-6.30305	-7.08823	-4.83625	-2.13653	-5.80765	-5.18625	-6.43339
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-3.66836	-3.73728	-2.60501	-6.49285	-4.32541	-5.40879	-5.02583	-3.34699	-7.94889

-5.34395	-5.76568	-5.94364	-6.95469	-5.0418	-6.38336	-5.48072	-6.02191	-4.08412
-5.69563	-4.93852	-4.52286	-5.23319	-4.91535	-5.36724	-6.26321	-5.32628	-4.64927
-5.14167	-5.42327	-5.8654	-6.38701	-4.71888	-5.86547	-5.74592	-5.19731	-5.20157
-5.00128	-5.02438	-4.80206	-5.74232	-5.18054	-5.47854	NA	-5.299	-4.9089
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-6.5607	-5.82954	-5.89798	-5.87763	-3.6487	-6.16531	-6.24486	-5.68121	-5.59964
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NA	-6.29452	-6.60546	-7.26001	-7.90585	-5.8788	-5.98231	-6.62195	-5.46283
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-5.7403	-5.03247	-4.25315	-7.4235	-3.5101	-6.53706	-6.13155	-4.78907	-6.88047
-4.86672	-5.77861	-5.85334	-6.13204	-5.18614	-5.19426	-5.08487	-5.94576	-5.50648
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-6.55767	-6.5842	-5.54211	-7.49338	-4.98633	-6.97105	-5.52836	-4.67665	-7.9362
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-7.40293	-7.97237	-6.96467	-5.10116	-5.71743	-6.74239	-6.06144	-5.62168	-5.34999
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-6.35169	-6.33008	-5.98589	-7.41345	-4.77484	-5.08928	-6.94941	-5.11131	-6.4498
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NA	-5.47949	-6.55676	-6.59227	-7.71526	-6.10734	-6.59201	-6.16861	-5.48479
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-3.26657	-7.3848	-5.59759	-7.92099	-4.53594	-5.73619	-6.01834	-7.59829	-6.17333
-6.39809	-6.0015	-7.07959	-6.691	-8.05306	-6.07211	-6.84761	-6.32638	-6.04495
-5.89908	-6.43279	-6.70167	-7.48311	-8.29318	-6.99176	-5.7505	-6.75349	-7.38091
-5.8803	-5.97007	-5.05196	-6.46263	-5.81926	-5.92006	-6.30709	-5.43741	-6.26349
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-6.96409	-6.13968	-6.87326	-7.71674	-4.61643	-5.91838	-6.25777	-5.46509	-3.98229
-6.50761	-6.2417	-5.91532	-6.59932	-6.2877	-6.08427	-6.26724	-6.18181	-6.15905
-7.22563	-6.50938	-6.35068	-7.71622	-5.21715	-7.16491	-5.73951	-5.03128	-6.30308
-5.48868	-4.75054	-4.8648	-6.36434	-4.35745	-5.05162	-5.08208	-4.17893	-8.08531
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-5.28072	-5.29721	-5.32434	-5.80932	-5.66296	-5.41075	NA	-5.64148	-5.43053
-5.91295	-5.80971	-6.21549	-6.36598	-3.73573	-6.57347	-6.37745	-5.61976	-6.41619
-6.72298	-5.63345	-5.80964	-4.93658	-5.28275	-6.81868	-6.83863	-6.07744	-5.77379
-7.13824	-4.97403	-6.78728	NA	-3.81951	-7.43257	-7.4651	-6.1108	-6.8405
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NA	-5.89337	-6.09431	-7.13737	-4.18077	-6.85501	-6.41394	-5.22759	-6.13084
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-6.09077	-4.64483	-5.95269	-7.54048	-6.48099	-7.13059	-7.10472	-5.62633	-6.5281
-4.93954	-5.17874	-4.33673	-6.20296	-6.53043	-6.72677	NA	-4.71094	-8.16539
-5.86267	-6.38727	-6.60343	-7.18742	-5.50983	-6.75454	-5.95815	-6.72675	-4.9341
-7.85995	-6.09253	-6.5013	-7.40601	-2.32782	-6.93659	-7.30342	-4.33805	-8.18495
-5.85347	-5.86677	-6.0313	-7.52532	-5.55241	NA	-7.69806	-5.69661	-8.52791
-6.70342	-7.24547	-7.37125	-8.71496	-5.50041	-8.01618	-7.15526	-7.50422	-8.16706
-6.09022	-6.69917	-3.51301	-7.83469	-6.62874	-7.09765	-4.44465	-7.20695	-6.7216

-6.63609	-7.29678	-6.14531	-7.03775	-6.81276	-6.68567	-6.38261	-6.79851	-5.57689
-7.2567	-7.71626	-7.67986	-8.08827	-7.57597	-8.22778	-7.26814	-8.07514	-6.85766
-7.07223	-5.60589	-6.41253	-7.37859	-6.67863	-6.82117	-6.57244	-7.16235	-6.38387
-7.51275	-7.49422	-5.41593	-8.28338	-5.82791	-5.1584	-5.59035	-7.94845	-5.71508
-2.64874	-8.06415	-7.37117	-7.38465	-6.45532	-5.2041	-3.88921	-8.27862	-5.9606
NA	-5.92819	-5.75291	-7.04267	-6.41746	-6.63328	-6.70157	-5.44042	-6.21868
-6.62736	-7.01707	-6.2404	-7.7994	-6.40585	-6.426	-7.10275	-6.31878	-5.46249
-6.70796	-6.21869	-6.55018	-7.58925	-4.79781	-6.73067	-7.15637	-6.17037	NA
-7.58228	-7.76294	-6.85446	-9.22098	-6.11562	-8.46338	-7.51916	-8.30611	-5.76682
-6.95645	-6.8604	-7.01243	-7.29338	-5.07853	-7.32279	-7.48246	-7.03276	-6.92537
-6.78619	-6.58331	-7.70227	-8.73723	-5.61363	-7.37568	-7.3639	-6.35956	-8.09813
-6.80629	-7.20255	-6.42439	-7.84731	-6.56941	-6.32764	-6.29409	-6.83777	-7.62389
-7.04706	-6.65057	-5.52003	-8.30795	-7.32231	-6.3436	-6.83066	-6.16154	-7.52763
-8.17393	-6.68716	-7.12773	-7.86775	-4.72525	-6.76059	-8.28876	-5.26329	-8.40289
-7.24385	-7.15605	-7.08159	-7.46797	-7.44575	-7.40937	-7.04187	-7.43882	-6.8753
NA	-7.06614	-6.25351	-9.18293	-8.03249	-7.53199	-7.14699	-6.31538	-8.87041
-8.03543	NA	-8.25613	-9.25291	-7.52852	-8.81383	-9.25878	-8.29525	-7.67889
-8.9496	-8.54798	-8.21266	-9.10548	-8.84246	-8.52948	-8.14093	-8.92926	-8.32423
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GSM1398!	GSM1398!	GSM1398!	GSM1398!	GSM1398!	GSM1398!	GSM1398!	GSM1398!	GSM1398!
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2.639821	6.791624	5.266542	8.395422	8.880042	-0.171	8.825166	5.842297	5.244176
6.713295	6.64603	2.80031	7.165648	5.066307	2.452607	5.622145	4.56554	5.325709
6.21608	5.218109	6.310646	4.647514	6.304043	3.815083	6.870871	6.151733	6.345374
3.02033	5.877871	3.091434	5.597103	6.047017	-0.15253	0.782091	6.701146	6.531944
3.761042	7.103738	4.89693	3.15147	3.930709	NA	3.239582	4.919058	4.96717
6.393375	7.758711	5.737711	5.756209	4.22437	-0.96312	4.825127	3.000148	3.976649
6.725425	7.188861	8.086546	5.644003	5.533683	1.436117	5.520664	-1.03959	3.811809
5.342945	6.399551	6.642294	4.900952	0.20701	NA	2.218312	3.028428	3.858316
5.181038	5.161255	4.015527	4.245263	3.682548	-0.87885	3.78379	3.385379	4.169743
5.346455	6.240843	5.615143	4.636319	3.857018	-1.31221	5.030121	2.90924	4.01638
5.312471	5.931645	5.09585	4.394444	4.24065	-0.68885	4.748087	3.202953	4.348132
5.42849	6.839587	5.053607	2.37049	0.178744	-0.0919	1.72156	4.450677	5.978037
5.11467	5.904184	6.010718	NA	1.333289	-0.58456	4.804635	2.587178	4.734197
5.053536	5.289382	5.795902	2.673949	4.322478	-1.63174	5.442099	4.433824	5.122239
5.934868	5.697594	3.971649	2.818511	3.017423	-0.91223	4.104692	4.81224	5.834986
5.02321	6.056249	4.678468	4.646495	2.483229	-0.63519	3.249915	3.385773	3.852598
4.437011	5.648867	4.252231	NA	0.36033	-0.28507	2.204379	3.792207	3.694329
5.458502	8.356977	5.008792	4.421689	1.599566	-1.64518	-1.38305	1.434447	3.809387
3.625503	3.674944	0.271189	7.738527	6.153429	0.056258	0.10355	9.063321	-0.26339
NA	5.833413	5.6502	3.900803	-0.04913	NA	2.525778	2.73174	3.895873
0.929135	7.664829	3.114078	0.206769	3.187825	NA	7.765712	7.060724	4.403526
4.657529	5.844172	3.51803	5.95246	3.215141	-0.3877	0.282621	2.910697	4.681124
4.630986	6.192723	6.316335	4.148916	3.6556	-2.03175	3.974176	2.70593	4.774382
4.026427	4.880957	6.030008	5.060929	2.075316	-0.83423	3.484756	2.575855	4.410711
1.376077	3.805242	2.569544	4.336396	4.835802	NA	6.357824	3.060454	3.385076
4.241691	5.857941	4.843692	6.226247	3.375459	-0.81915	1.413498	2.572226	5.647615
5.677295	4.942571	2.766117	4.247142	3.299485	1.081651	5.635691	4.526135	4.388081
5.000743	5.355286	5.119652	3.886459	4.10302	0.039734	3.760063	3.606265	4.934557
5.395534	4.630362	4.988746	5.364842	6.736495	7.599247	5.876827	4.069796	4.405438
9.540227	3.148199	0.636919	0.934233	-1.16301	0.002718	0.155351	6.791178	8.129643
4.090686	6.505736	4.38918	5.28539	0.163309	-0.28812	0.340567	4.610781	3.980113
3.143779	4.021422	5.112728	3.370393	-0.50395	NA	0.572452	3.895141	3.909498
4.858081	4.86869	5.665511	NA	2.674047	-0.77306	4.391508	1.969563	3.733094
3.782587	5.126143	5.664693	4.803901	5.085176	NA	3.856526	2.477794	3.703246
3.991151	4.332206	2.677411	3.627886	2.829869	0.00696	0.240277	1.80947	2.86208
4.846998	4.877082	4.384705	NA	3.88572	-1.61481	5.143162	2.586814	3.562756
3.821756	5.104127	2.354294	3.365083	2.51394	-2.21936	3.885451	3.565822	3.632315
2.645504	4.900496	4.162486	4.679952	4.712887	-1.31381	4.850129	2.915409	2.290642
3.856412	4.972642	3.828627	2.658247	0.72419	-1.36669	1.554362	4.204073	3.90166
2.491231	4.568066	3.568664	5.15744	4.449859	-1.57686	3.970414	1.744058	3.816959
2.271188	5.417456	3.365593	4.911494	2.865497	NA	3.463839	3.747601	4.692904
3.8663	4.560208	4.689324	3.505039	3.151347	1.602025	4.041139	2.688511	3.500309
4.161637	5.127425	2.999805	4.496926	2.834478	-0.30292	3.402001	1.789184	3.661839
3.860748	5.250283	3.944307	3.779872	4.826679	-0.25773	0.410825	2.532137	3.114809
4.264076	3.857835	3.594956	2.374082	2.174034	-0.66888	4.751392	4.105901	2.611003
5.357419	3.312413	3.551449	6.252518	4.618747	-0.38882	2.859972	5.29659	1.967065
4.097577	5.479743	4.515141	NA	2.506235	-1.29143	1.271799	2.65908	3.166626
5.909712	5.036272	5.291421	5.070794	2.698113	NA	2.516981	-2.3981	5.328907
4.020624	4.832116	4.97552	3.259258	1.921543	-0.88149	4.554022	3.267346	3.577851
3.614378	NA	5.549523	3.513323	1.078844	-0.30168	2.725756	2.684391	3.67332
3.895973	3.844877	4.502905	3.718753	3.816753	2.104	1.835613	2.433772	3.713756
2.618393	NA	4.248411	NA	0.682137	-0.31861	3.280252	3.123598	4.124469
2.964595	4.963992	5.200536	4.16452	2.814387	-1.18897	3.743326	2.513449	3.666633
4.452824	4.838356	4.210696	4.067123	2.135206	-0.91508	2.616397	2.72325	3.484786
4.873707	4.799916	5.452857	3.48564	2.153985	NA	4.975271	1.590074	3.664099
4.836236	1.472452	1.170378	6.885117	9.647085	-0.3331	2.306269	5.195485	3.292581

3.813577	4.556341	2.659347	3.846791	3.351859	-0.67742	4.043223	3.152433	4.261246
4.744983	5.543009	NA	3.624249	1.222207	-0.35133	2.947659	2.858162	3.55964
4.914396	3.948284	2.694192	NA	5.64203	-1.18071	5.977286	3.503284	4.429451
2.136074	5.216347	2.089184	2.897329	4.103822	0.179041	2.642832	4.772133	4.666794
4.7883	1.829682	0.327188	3.107848	3.845426	0.059495	0.368235	3.009013	4.092334
2.909075	3.626485	1.086043	4.280112	NA	-0.05267	4.387126	3.462789	4.016947
2.763619	5.464123	4.54575	NA	2.231864	-0.41574	2.729215	2.962018	3.576673
4.046701	4.470297	3.965639	3.52293	2.689746	-0.95965	3.019582	2.659471	3.836139
4.533964	4.904187	5.11593	3.595328	2.084979	-1.82591	4.379683	1.470772	3.480544
3.240094	4.780193	4.504661	6.752311	7.278582	0.59273	7.619817	3.52145	2.503364
3.229312	6.028451	4.871215	0.804421	0.853614	-0.6546	3.943992	1.095224	3.309299
2.471505	3.874787	2.765853	5.002129	1.565082	NA	1.990156	3.988426	NA
5.512365	NA	4.867145	3.13026	3.544016	3.076276	0.628742	1.970825	5.087467
4.468885	4.99463	5.395952	4.575929	3.544838	-1.47858	2.304567	2.244741	2.317757
1.063699	3.985693	4.678727	4.474611	3.05201	NA	5.149113	3.499054	3.690729
3.592575	3.981891	4.742099	3.958119	3.485878	-1.34353	2.784897	3.851428	4.229951
4.517204	5.7257	6.325541	5.199386	2.702657	-1.1544	5.062894	0.49237	1.036864
3.698297	NA	4.056279	NA	2.759552	-0.74352	4.442134	2.944055	3.630803
3.921052	4.713032	4.480788	4.300463	4.601855	-0.75314	4.313208	2.646146	3.657095
4.225645	3.754248	3.620998	4.0088	4.992712	1.120812	4.638846	2.812394	3.305286
4.307948	4.727117	4.198622	4.237006	3.171353	-1.58066	4.948458	2.382664	3.506241
4.544083	4.767412	4.748738	4.097186	1.850494	-0.4212	2.722232	2.834506	3.383989
2.120927	4.292323	4.015078	2.220968	0.811797	-0.08786	1.035455	3.361417	4.305627
3.947193	4.943371	4.688914	3.470681	0.274562	-0.73217	4.036551	2.349477	3.462163
3.55786	4.185495	4.230652	3.516681	2.727663	NA	3.752761	2.511176	3.65592
5.353315	5.458762	1.785036	3.146575	2.618508	-1.45492	0.528442	3.607129	5.195369
4.607421	4.022373	NA	1.090726	3.986008	-0.33801	0.372855	4.722004	4.971268
3.581919	4.241511	3.850418	3.447293	2.726597	-0.39313	3.100279	1.200755	4.196966
4.089911	5.084639	3.377629	3.875374	0.37705	-0.22542	0.46134	2.546207	3.832834
4.433024	4.044497	3.45328	2.911752	4.678511	-0.87888	4.950133	4.144742	4.373571
4.325988	4.344894	3.141632	3.587126	1.155539	NA	1.775702	2.915657	3.452293
4.614274	5.569154	5.341343	NA	-0.70926	1.414219	-1.2465	3.625433	4.415976
4.020532	3.667313	3.330433	3.935585	4.737968	1.924899	5.688528	2.372798	2.47754
4.412242	4.142503	3.318865	NA	3.531611	2.556196	3.8874	2.095063	2.269736
3.782731	4.725454	4.843386	NA	3.492852	-0.20657	2.771179	2.389231	3.540538
3.770547	4.215277	3.920879	3.088034	2.667514	-1.59819	4.095481	3.222451	3.918474
4.513785	5.6046	5.921414	3.401732	NA	-2.16729	2.112352	4.086271	2.393307
3.90789	3.435654	4.065578	3.523754	4.294823	2.367632	3.491255	NA	3.92656
4.061651	4.370657	4.150369	3.012831	-0.09836	-0.43483	0.23936	2.673434	2.964732
2.93719	4.24295	3.935052	3.695526	2.756217	0.747805	3.894823	2.675515	3.680582
4.141207	4.237222	1.544488	4.029001	3.472098	-0.53546	4.251114	2.900318	3.753125
3.978415	4.247343	3.446259	3.717673	3.018575	-1.50885	4.780385	1.695044	3.409882
3.925767	5.212021	5.396226	3.541581	0.872597	NA	1.09778	1.707596	2.741503
4.091903	3.62227	5.850344	3.739466	4.179757	-1.64892	4.252474	2.544346	2.945519
3.654397	4.105704	4.65764	3.520626	1.395141	-1.56003	2.517605	2.878724	3.814227
3.503886	4.894893	3.230117	3.715199	3.411325	-0.77384	4.026684	2.428795	3.48504
5.072652	5.618627	2.719418	0.529341	0.321578	0.245777	0.469577	3.612987	4.487698
4.438318	4.89828	5.164952	2.662893	1.798289	0.631182	0.078543	2.778076	3.662102
2.619974	3.541201	3.252847	3.614005	3.909531	-0.63547	3.6218	2.415002	2.449951
3.713677	3.842916	3.65704	NA	3.094658	-0.28684	5.61176	3.201887	2.989407
3.923102	4.592038	4.649067	3.521563	1.925823	-1.40729	4.388896	0.687885	2.889277
3.573992	4.009114	4.320726	NA	2.718679	-1.76653	3.913226	2.470633	3.319988
3.386606	3.767985	4.075451	3.311843	3.017701	-0.85692	3.126365	2.754621	3.12407
3.000384	4.879345	2.983482	2.970699	0.505052	NA	0.583665	2.111744	2.263326
3.125995	5.776959	4.935975	3.481836	0.219213	-0.67057	0.367231	1.260488	3.342684
3.46416	4.240576	2.704823	0.444166	-0.21363	-0.20873	0.405048	0.733053	2.766421
3.030775	4.077174	4.473587	2.781768	2.649023	-1.19589	3.39829	2.489117	3.161811
3.274334	4.041228	4.171179	3.540874	NA	-0.18663	3.407651	2.972097	3.418905

5.355039	4.309928	0.518126	4.964484	0.438489	0.409819	5.638479	1.602503	6.180266
3.655164	4.092562	4.201628	3.109381	2.62782	-2.74415	3.939888	3.194197	4.080977
3.93277	4.512958	3.387379	4.91703	3.065685	-1.10328	4.727936	1.444261	3.514197
4.591848	4.903977	2.433864	2.528142	NA	-0.13342	2.017732	2.827151	4.541699
4.512495	5.5234	2.630759	3.686375	2.418154	-0.0511	5.982856	3.80274	4.512277
5.030869	4.669731	0.25943	4.663488	5.132915	-0.27518	3.812469	3.882164	3.024281
3.977411	4.496116	0.396131	0.374368	4.940796	-1.31195	3.793716	NA	2.303978
2.967595	4.335638	4.466806	3.50611	1.649086	-0.734	3.117996	3.453847	4.180459
2.203264	3.800544	3.148687	NA	4.096593	0.390784	5.404713	1.75591	1.902595
3.489556	5.169295	0.460523	0.38293	0.700055	0.180671	1.027011	3.851918	5.501142
4.063308	4.580174	5.034743	2.531938	2.821558	2.588297	1.623498	3.784093	3.135145
4.717755	6.102786	2.579994	NA	0.520338	-0.89546	-0.77564	2.96286	4.280003
2.729411	4.45938	4.303388	3.175746	2.912913	-1.59503	2.984724	1.881635	3.766826
3.018473	3.964216	4.82903	NA	1.213364	-0.40927	2.064177	2.520181	3.658091
5.258453	4.085344	4.605955	3.002212	2.619709	NA	2.952246	3.294733	4.228531
3.217395	4.048213	4.808879	NA	3.34298	-2.67415	2.529907	1.702977	2.05291
2.329696	4.560171	2.740154	3.165528	4.012325	1.188743	4.548815	3.978931	2.490871
3.508019	4.057015	4.523044	3.90193	1.320043	-0.38687	2.894385	2.200721	3.248035
3.133843	4.775642	2.951223	NA	0.144742	-0.02117	0.208481	2.901177	3.540816
2.386679	4.547597	3.067404	4.544953	4.582916	-0.90998	6.232769	2.926349	2.144965
2.717993	1.522187	2.965421	4.419055	6.385893	-0.33952	5.495715	3.140382	4.15031
3.548009	4.333847	4.102805	3.701824	2.142562	-1.6732	3.855515	1.741588	3.575558
4.058883	4.874736	4.092134	2.162047	3.810508	NA	3.050731	1.810361	2.072408
4.554699	3.262602	2.048829	5.281644	4.828174	0.229605	3.009971	2.68723	2.974001
3.419889	4.107443	5.624532	3.497821	0.314105	-0.97926	2.322192	4.265437	2.287824
4.581729	5.390795	3.638624	0.252718	0.144155	0.022217	0.21622	2.238334	6.247703
2.508743	4.299344	2.624697	NA	-0.41786	-0.65618	1.4689	2.848749	4.05
3.100033	2.146155	5.710712	1.963677	2.031674	NA	0.309339	0.879303	2.704581
5.095071	5.051584	4.968979	3.653202	2.81826	-0.25662	1.855662	2.063256	3.941737
2.138608	3.389946	0.478624	4.031086	4.614704	0.431517	0.337708	4.703369	0.429516
3.558782	3.190818	3.522701	3.755734	4.283202	-1.87495	4.316044	2.768888	3.380719
1.873563	3.772529	5.794169	NA	1.078873	0.414699	3.445872	3.471906	3.828129
5.31327	4.824632	3.583567	3.958111	NA	-0.47076	1.388435	0.204367	4.012418
3.612811	3.80926	4.792561	2.460277	3.664047	-2.51747	3.739956	2.671554	3.400977
3.400125	3.220419	3.500088	3.889268	3.069388	-0.72582	4.14752	2.963685	3.720372
3.641456	6.000802	3.690103	1.580015	0.188529	-0.3042	4.98621	4.967624	3.806729
3.640628	4.074831	4.128526	5.055036	4.534823	-0.88291	2.510532	1.920087	1.948429
3.993101	3.681502	3.904058	3.238108	4.282528	-0.81761	3.156867	2.903466	3.159348
4.944969	4.877889	4.035797	3.58203	4.633971	NA	2.664682	3.287402	3.481342
2.40036	5.008676	4.944156	2.444339	1.535564	-1.02924	1.869407	1.399763	1.495847
3.802406	3.620443	3.546085	4.11276	3.194493	0.596362	2.794491	1.244971	3.50697
4.021648	4.432761	3.084231	3.943898	NA	-0.65407	4.992961	1.438089	3.043055
2.713917	3.988202	2.770032	3.35113	1.461687	-0.86596	-0.54718	1.670526	2.662685
1.527407	4.224982	0.516834	4.073344	-0.13794	-0.3529	0.358257	3.507134	2.941039
3.639399	3.765888	3.760679	NA	1.85834	-1.17006	3.64317	1.850184	3.444219
2.731198	3.489377	3.368455	4.062038	1.675385	-0.93664	3.814699	2.454435	2.543099
3.461613	4.177741	3.796526	3.44448	2.800614	0.337867	3.423896	2.197048	2.893509
3.972655	4.120518	3.417332	2.63808	2.072579	-0.17111	2.678162	3.526455	4.956512
3.347432	4.855108	4.026185	3.536915	-0.93257	-0.81376	-0.41119	0.978882	3.16673
4.203312	4.290066	5.51818	NA	1.900763	-2.20689	0.651631	1.673344	3.19934
4.407488	3.647822	2.25842	0.382754	1.848049	-0.64406	1.896065	NA	4.006174
3.699701	3.649845	3.898281	3.063794	3.278963	-0.71895	4.244592	1.41714	2.935861
3.057469	4.843776	1.780424	2.546159	NA	-0.73418	2.903245	2.891332	3.33869
4.135721	4.254882	3.828441	3.380478	5.118283	0.489101	3.990004	0.988612	2.89892
3.956251	3.319792	3.430863	1.396424	2.939848	-1.73846	2.559103	1.915641	4.026615
3.365839	3.381758	3.669509	3.403325	1.699692	-0.93441	2.910546	2.679537	3.500698
0.510681	2.743016	5.137456	3.937975	-0.41086	-0.24439	-0.347	1.9988	4.230593
3.133875	4.627903	4.805702	NA	1.483818	-2.0048	1.778205	2.392528	2.133155

5.943561	5.43055	0.474728	5.588399	6.437993	0.472995	0.426131	4.751774	1.817688
3.684226	3.563367	4.135381	3.469999	3.389453	-0.82257	4.278144	2.789678	2.702828
3.542661	2.297367	2.384622	4.723442	4.670639	-1.03562	6.399543	2.277163	2.112391
3.049684	3.269945	3.697174	3.11514	2.365722	-0.8113	3.353633	2.371578	2.974257
2.56086	4.144194	1.063293	3.01477	3.275544	-1.98872	2.990914	1.156857	2.223899
1.909855	3.422187	2.05975	2.987906	3.926305	-0.55371	4.100829	2.927159	2.501575
3.695532	3.676863	1.037167	4.220617	4.411285	NA	5.286528	1.701584	3.08441
4.299879	4.104807	0.415525	-0.32654	-0.43745	-0.03109	0.308681	4.082518	4.272042
2.148122	3.476493	3.618082	1.461182	1.163554	0.037381	2.402975	3.073827	3.582611
1.989905	4.286501	3.535173	3.482721	0.451066	-0.56957	0.453359	1.320724	3.705187
4.985204	3.342102	4.932108	0.112013	-1.6716	2.770882	0.560609	4.41402	5.174488
1.71586	3.08898	2.726712	NA	4.223883	-0.33016	5.187404	2.3259	3.41958
1.812765	3.58864	3.232316	2.042018	4.830839	-1.10174	5.12634	1.564761	1.701197
4.057759	5.360965	5.414222	2.740843	2.930119	-2.2422	2.108606	2.874653	1.864251
2.661934	2.756678	3.603726	2.927374	1.066237	-0.88899	2.308183	2.357516	3.075538
1.60585	3.414656	0.541419	NA	0.027468	0.183283	-0.0575	4.013637	4.829847
4.147641	5.376005	2.692215	3.146926	NA	-0.26607	2.66933	4.391992	-0.1424
3.330799	4.554762	1.210896	3.32762	1.150962	-0.28053	2.026668	3.188172	3.12709
4.326697	5.94636	6.87909	0.694351	-0.75764	-3.60359	0.363436	0.932431	2.644292
3.318938	3.246748	4.922564	3.167923	1.386365	-1.11754	2.276949	1.504074	2.89851
4.227604	3.889845	3.336425	NA	1.169942	-0.48746	4.086963	1.456998	2.907612
3.984588	2.390779	0.930055	NA	-1.00199	-0.32697	0.665116	4.376621	2.034499
3.061659	4.572927	3.629139	2.727521	3.010808	-2.19081	5.137413	2.479739	1.028279
4.218368	3.862064	1.858225	4.779859	5.776577	1.384127	1.850319	2.097357	1.995831
3.403404	4.654218	1.463138	0.384467	0.271486	0.343249	0.368896	3.680722	5.028822
3.507497	NA	5.517962	0.811693	0.127474	-1.554	-0.59497	2.792332	3.784295
4.498792	4.76122	NA	0.53293	0.26194	0.100318	3.280917	4.406742	3.451755
3.296332	4.129657	3.200031	NA	4.090693	-1.61129	3.344235	2.122453	1.70452
3.048914	4.291255	2.650262	0.537425	2.804185	-0.35838	0.112722	0.662842	2.842055
3.727734	3.328146	4.000929	1.302953	-0.8576	-1.83355	0.750421	2.556778	3.140534
4.546193	2.52247	5.075605	4.124661	5.543446	0.064515	4.206428	2.907822	0.799936
2.562211	5.874749	1.67914	2.938142	0.409076	-0.28686	0.462786	3.749388	3.805303
3.233318	4.369511	4.007741	2.923859	3.150686	-1.24976	2.242579	2.620017	1.997334
2.938918	3.967085	3.814171	3.038668	2.525169	-1.2697	3.372218	2.548208	3.349418
2.824519	3.852314	3.478712	3.268221	3.69639	NA	1.273286	1.094977	2.313528
3.713633	3.57779	1.898161	2.000371	3.153454	-0.56225	3.476093	1.696644	3.220995
4.324013	0.484332	1.714154	0.55475	-0.19537	-0.47269	0.22523	3.820887	4.126461
3.160732	3.719197	3.282385	2.288397	-0.6606	-0.75581	1.729249	3.254119	3.957784
2.642177	3.989997	3.691407	2.545039	2.004834	-0.45858	1.148877	2.346317	3.464243
4.260687	4.117942	4.154281	2.339966	1.153029	0.462189	-0.64018	NA	NA
3.871019	3.315203	0.916854	0.926335	0.102455	0.004179	0.165255	2.944185	3.316623
2.788029	4.044978	2.620574	1.398318	2.033902	NA	2.338274	1.637424	3.070506
3.244832	3.822257	3.796329	2.86046	2.779243	-1.06525	1.70643	2.183173	2.576079
3.451206	3.889863	3.576371	2.989003	2.708949	-1.4906	3.254719	2.684133	2.820624
3.735501	4.061699	3.913999	2.780258	1.717946	-0.48613	2.262138	2.137057	3.220488
3.374337	5.041319	4.416487	2.458743	3.012419	-1.45609	1.7106	0.830944	2.231685
3.432591	5.690097	0.618097	0.604679	7.093769	0.431467	0.31793	2.131856	3.775951
5.084257	2.251553	1.687645	0.374815	0.330807	-0.68074	1.884745	3.837616	4.054875
2.140642	3.24977	3.316515	NA	1.937287	-1.45437	2.853974	1.878759	3.153175
NA	3.663713	3.370514	3.053939	3.418511	-1.56817	2.799444	1.634614	2.818982
2.883741	4.260246	1.320427	0.397319	0.452984	0.144226	0.506676	2.322633	2.969004
2.484691	3.945621	3.678961	2.240085	2.858108	-0.50861	-0.48721	2.646011	3.351767
2.969033	4.149264	4.10776	NA	3.228342	-2.4023	2.926521	1.391534	NA
2.174932	3.339543	3.4112	2.811759	NA	-0.41982	0.422006	2.530903	3.403157
2.072209	3.382527	4.834894	2.130355	0.132565	-0.76886	1.15331	1.66562	3.334413
3.072068	4.337102	3.96272	2.560396	-0.33451	-0.45467	0.33592	1.767379	3.435844
1.84723	4.624462	2.345422	3.475143	2.029196	-1.17671	1.827976	2.264465	1.737022
3.486865	3.534843	3.964979	3.986541	3.684563	NA	2.297998	1.898081	2.879559

3.255758	3.614745	2.926272	2.593535	1.975564	-1.13626	3.159033	2.291388	3.240323
1.971566	3.023572	4.179257	2.965115	1.431192	-0.49426	2.039599	2.269004	2.119867
4.246605	4.551991	4.223413	2.626029	1.851672	-4.15344	2.733043	0.592881	4.155506
2.037247	3.685613	4.377872	3.769752	2.625994	-1.81841	0.246818	1.534216	3.277751
NA	3.984444	3.837901	2.422846	2.166161	NA	1.899108	1.678705	1.760856
2.398994	3.697459	2.517041	2.929983	1.929537	0.228019	1.695121	2.328968	2.905503
2.019979	2.57383	4.738071	3.022524	-0.72095	-1.42171	-0.87662	2.537154	2.936068
2.728358	NA	3.872426	2.979725	0.777513	-1.82256	2.433221	1.082165	3.232242
2.822229	4.780543	2.094882	1.728922	0.072341	0.039348	0.198979	2.308394	3.445808
3.517936	3.980303	3.112732	3.742934	4.298243	-0.58304	3.603654	1.95637	1.658083
4.845134	4.577809	3.300204	2.652798	2.166215	NA	3.637203	3.425842	5.790173
0.579192	3.79433	3.367362	1.552336	1.758833	0.208542	4.09894	3.513719	3.992124
3.197779	3.696989	3.566004	3.065241	0.938147	-1.45215	1.027518	2.708726	2.938481
2.094142	3.209945	4.51969	4.049338	3.38242	-0.13757	1.87901	2.466132	2.750312
2.250736	3.66442	3.842197	NA	-0.97468	-2.30121	-0.15251	2.352188	2.361145
4.485739	2.799156	1.720786	-0.08143	0.954725	0.15935	1.909256	3.23154	3.179215
2.071502	4.155764	3.083839	3.240479	1.554047	-1.17757	1.81424	1.631226	2.346431
2.716509	3.063772	3.275209	NA	0.787112	-0.87145	2.344572	2.105592	3.25948
1.838581	4.223493	5.413923	0.748981	2.067153	-1.67741	0.468821	1.21071	2.075867
2.203933	3.478545	3.27003	1.47871	2.251561	0.753381	2.030716	2.65712	2.734778
4.205186	7.016859	0.400802	5.532394	0.323343	0.164541	0.421586	5.524599	4.498085
3.147874	3.341449	2.902974	3.097051	2.148268	-1.5144	3.240626	1.984193	3.006134
3.330475	4.542951	2.396586	2.984254	1.32644	2.416779	2.882678	0.507226	4.50181
2.391872	2.646349	3.003081	2.692222	2.925144	-0.65406	3.457484	2.662054	3.066245
4.015693	NA	3.845528	4.029964	4.216945	-1.73674	3.641302	2.001736	2.694878
3.095518	NA	3.315012	3.51784	4.012329	0.533282	4.86553	1.932029	2.935607
NA	3.739083	2.311621	1.26652	1.378094	-0.44269	0.24412	2.826485	2.356962
3.453488	2.982356	3.10809	3.24898	3.518498	0.949816	2.937358	2.098883	2.697369
3.475467	NA	3.060529	NA	5.092903	1.595102	3.471096	3.789903	0.366798
2.42173	5.513182	1.914418	1.806861	4.345139	0.094322	1.442475	0.326778	5.074425
2.926164	3.690988	3.223051	1.515911	NA	0.437751	1.624697	1.402479	3.079187
3.78576	3.087801	2.250999	2.003494	1.298354	-0.19521	3.073134	2.442477	3.007758
1.810654	3.749729	4.27305	2.008183	1.264481	NA	1.140417	2.082449	2.322242
4.735123	4.800412	1.282923	3.208549	-0.05502	-2.22512	4.122787	-1.03055	2.354739
3.440821	4.055513	4.719834	3.223565	2.001485	-1.68721	2.768823	0.411277	1.27342
NA	1.166053	1.928307	1.008738	0.352378	-0.41093	2.192542	4.055301	4.79287
2.402118	3.036668	4.601971	1.744255	1.853617	-1.41788	2.279927	0.521985	2.702252
2.096244	2.765728	3.172455	NA	-0.58226	-0.71053	0.250663	2.128497	2.870311
2.945148	3.106398	2.919177	3.32419	3.876417	0.207718	3.408368	2.105251	2.465558
3.24342	2.959168	5.002539	2.414953	2.284289	-2.79125	2.358851	0.149545	2.677319
3.559384	3.511492	3.092079	2.92818	3.998669	-1.40404	2.932539	2.176222	2.810938
4.496964	2.532606	-0.13766	0.580706	6.238421	-0.15363	6.196756	3.664463	1.911023
3.569052	3.808926	3.961732	4.276408	3.768898	NA	4.683608	1.722793	1.814411
3.222553	3.19944	4.876272	3.79391	NA	-0.35696	3.721661	3.475119	4.034618
1.637998	1.543958	4.474767	1.816288	1.498268	NA	0.454079	2.415594	2.460039
2.202212	3.576277	0.497563	NA	-0.17025	-0.59142	2.186358	3.550668	3.831631
4.647039	3.986551	2.3894	3.773187	1.960047	4.026906	-0.29969	-2.28915	3.614623
2.118316	2.712677	3.155318	1.410665	1.429708	NA	1.645184	3.265708	2.670409
2.806612	NA	3.240525	2.071236	4.886077	-0.33285	-0.42074	4.260496	0.822738
3.070571	3.755681	2.985729	2.460761	2.76617	NA	2.930088	1.964643	2.395353
NA	1.361451	0.5744	4.74368	NA	-1.13802	5.2249	1.037102	1.705691
2.347506	3.549538	1.02611	1.865071	0.967022	-0.25617	0.391467	2.754637	2.929529
2.253181	4.194433	0.393426	2.08957	0.193792	0.137396	0.263651	0.970355	6.657769
0.180913	4.405769	1.463998	0.236075	0.339924	-0.02005	0.47876	2.771415	2.500183
3.190875	3.137927	1.999451	3.981305	2.51298	0.101203	3.914423	2.531231	2.467526
NA	3.20791	3.475784	2.108921	1.962217	NA	2.014269	2.217304	2.842154
3.853195	3.884058	4.422099	3.863213	3.430681	-0.65766	2.50803	1.161455	3.128974
2.21893	2.461489	2.561719	1.254614	NA	-1.62462	1.483842	1.717588	3.084116

2.959323	3.221051	3.991032	2.123748	2.592863	-2.16616	1.8288	2.53445	2.013291
3.184497	2.107989	3.487093	2.653741	4.261311	-0.19316	3.773631	2.367182	2.703108
0.943967	4.295074	1.892426	0.618956	2.127555	0.417856	0.29681	4.990406	3.849057
3.044065	4.976017	0.398101	1.631025	1.695334	-0.80561	1.132668	2.652377	2.001141
2.825534	4.225635	4.446998	2.01341	3.412626	-2.50072	2.01525	1.739999	2.148456
2.522856	3.522072	2.47809	3.059419	3.407686	-0.54326	2.491477	1.528791	2.966272
3.169849	3.224295	3.51913	2.394001	2.162076	NA	1.561379	2.676284	2.85147
2.992712	3.517093	0.488347	0.389544	0.274364	0.381481	2.39722	3.569727	-0.01203
4.520871	4.232934	1.957719	3.798266	1.993284	0.406513	5.253786	2.49897	-2.19316
2.641365	3.189756	2.764049	3.700866	4.850739	-1.71708	4.586953	1.342977	1.479617
3.129675	2.928845	3.724807	2.439563	1.120069	0.865689	4.094595	1.783465	2.667619
2.471858	4.555892	3.510896	0.939021	-0.50095	-0.31258	0.227537	3.104526	4.030993
1.044909	3.476222	0.619665	0.506282	0.304743	0.254703	0.408187	4.132957	4.586536
2.601836	2.754504	2.455647	3.705436	3.103815	-2.36347	4.032729	1.360094	1.852991
3.593053	4.252666	5.646044	0.692889	1.484193	0.766771	0.932924	0.566695	1.330971
2.971608	3.167271	2.31559	3.161989	2.050941	-0.76215	3.957514	2.01394	2.886596
2.682243	4.111473	5.647197	1.26911	1.833853	NA	-1.94395	2.696208	0.458189
0.486838	3.514688	0.978879	2.947699	1.730425	-0.31234	0.182371	3.427457	3.539724
2.212208	3.869297	3.60342	2.516141	2.166619	-1.33748	2.035118	2.285485	2.585727
3.766365	2.959456	2.231441	2.296178	2.052593	-1.101	2.759928	2.931255	3.333512
3.600972	3.449744	3.379697	NA	0.291156	-0.69581	-0.163	1.537785	3.239333
3.293864	3.822392	3.672565	1.785575	-0.30901	-0.72293	0.356217	2.070117	2.88614
1.004192	4.227792	2.272436	3.945493	4.354627	-2.16022	2.057249	3.230313	2.362856
3.037477	3.57877	0.702054	0.046445	1.862886	-0.30835	5.272056	2.153909	1.272449
2.251373	4.219239	4.388029	2.083498	2.214282	-0.3646	-0.17671	1.291442	1.1167
4.657614	4.034261	3.414565	NA	2.614874	-0.18795	3.784021	1.196369	3.402041
4.364671	3.350001	3.167389	3.372997	1.605399	NA	2.482983	1.831809	1.422946
3.575937	3.892985	2.506196	2.208268	2.233729	-0.80969	2.03209	3.487995	2.926934
NA	3.17617	3.421718	2.545753	2.631869	NA	3.49207	2.288146	2.511729
4.723035	3.968845	2.974259	0.281328	-0.68014	-0.41705	3.396778	3.299772	4.80614
3.816069	4.608228	5.198935	2.490964	2.385347	-2.22278	2.520206	0.885431	1.081986
3.023611	3.688872	2.920974	2.204074	2.54089	-1.71534	0.642261	2.958627	3.182291
1.705129	3.396962	2.170709	1.750069	5.073144	-1.68468	2.722008	1.940147	2.957532
2.064508	3.658057	3.316799	2.602052	1.401126	-0.58022	1.378664	3.012926	1.80578
1.80586	3.436933	0.578657	3.716762	3.432577	-0.75104	3.186508	0.34156	2.954668
1.858774	2.70027	2.393232	2.387474	-0.11396	-2.31589	0.689556	2.866338	2.491264
2.148678	2.481186	4.450944	2.870587	2.692331	NA	3.133994	2.130426	1.980532
NA	3.853608	2.884129	2.723714	2.384795	-0.87952	3.039353	2.23419	3.085697
1.842464	2.921512	3.70584	3.048997	5.002534	0.67584	3.824341	1.750202	1.011818
3.300539	3.547583	3.092166	NA	-0.36231	-1.31248	0.604821	2.233897	2.834847
4.475966	2.139539	0.672953	0.058315	-0.42046	0.008941	0.300862	3.054952	4.094167
3.250578	3.342282	2.68219	NA	2.385336	NA	2.747978	2.165896	2.225024
4.553715	4.106945	4.064725	0.077587	1.331179	0.155871	-0.90911	1.056394	3.686688
2.273836	3.121639	3.504787	1.18526	4.886494	-1.41157	2.113814	2.639498	1.813867
5.246553	0.660805	0.418598	0.303691	0.257764	-0.07552	0.320704	3.658131	5.718771
3.051176	3.165091	2.971136	2.463522	1.963633	NA	0.465458	1.685184	1.675957
0.664146	3.624153	3.038865	NA	4.198812	-0.34874	2.640945	2.856493	3.486199
2.631365	4.6343	3.990706	1.913472	1.08785	-1.07761	-1.15356	1.717015	2.32629
3.817861	NA	NA	NA	1.589194	1.245773	1.56485	2.731313	3.357538
2.503613	3.526227	3.058117	NA	1.850908	NA	-0.84859	0.437835	2.710448
0.662929	4.364509	0.37456	1.442362	2.65866	0.004031	0.420606	4.029732	1.275592
2.463326	2.564714	2.272055	3.805382	2.942214	8.209414	3.588995	1.35589	1.970926
1.751721	3.495377	2.247986	1.601422	1.427022	-1.43216	1.656405	1.951232	3.436233
1.817226	4.020768	2.557646	NA	0.682697	-1.44287	1.633138	3.037863	3.379017
2.346878	3.415412	1.951801	3.592578	4.365838	-0.30653	2.897848	2.57948	1.209262
3.092413	3.124368	3.376339	NA	1.15765	-1.21005	-1.47335	2.789854	3.115126
2.32948	3.85219	3.062183	3.719575	1.650871	-0.59786	2.381014	2.685255	2.689878
3.29343	3.146442	2.641522	1.751287	3.79385	3.198935	4.419071	1.92752	3.580051

3.221216	3.08398	3.803682	2.444685	2.601109	-1.42363	2.936941	1.47361	1.440357
2.318759	3.189188	1.620321	2.796077	-0.30469	NA	0.877875	2.397915	3.255543
0.234798	4.325791	3.804975	1.563879	1.673626	0.219458	0.251047	1.694534	2.126008
2.014628	3.748137	2.209818	1.953629	1.611468	-0.34585	1.500547	1.906642	2.35148
3.337574	1.678744	0.424151	1.98353	0.313553	0.318447	3.951692	2.192462	2.052831
3.381359	3.027477	2.286797	3.047091	3.383548	1.497875	3.87021	2.223533	2.481328
2.378592	4.06854	0.54468	2.88819	2.536709	-0.6493	1.08746	1.629163	2.077367
3.720615	3.352772	2.094475	3.112074	0.157978	-0.15739	2.468919	1.756029	2.767459
3.463077	3.922126	0.376399	0.266027	0.151496	0.00326	0.234109	1.689018	4.476856
2.915516	3.084187	1.267059	2.512432	NA	-0.22961	2.116506	1.517922	2.791501
2.589722	2.813929	1.889447	NA	1.340207	-0.89094	0.918853	3.042332	2.059129
2.075106	3.128179	2.26375	1.808226	0.252628	0.281156	0.901332	3.591371	3.020103
1.094965	2.50019	2.027188	2.236282	2.771585	-0.4715	0.164729	1.314996	2.687508
3.248016	2.643543	1.778413	2.496891	1.230784	NA	3.492586	2.054488	2.755088
2.922378	4.190274	2.644005	0.917222	2.392363	-2.48217	1.054919	1.304306	1.21652
2.695112	3.510529	3.582542	2.583339	2.507256	-0.23415	2.068628	1.238158	2.437092
2.344746	2.990125	3.246785	2.144863	2.639459	-0.3285	0.181087	3.1317	1.55411
2.797233	NA	4.540581	1.655646	1.663811	-0.96124	0.183455	2.778667	2.389057
2.449411	3.743327	4.263379	3.585443	2.346288	-1.27098	1.372773	1.91884	2.394879
2.325595	3.291383	1.200447	0.301365	0.191578	0.063382	0.366637	2.822437	3.490528
3.052236	2.710487	2.499484	NA	2.166538	0.003043	3.738321	1.289539	2.429443
4.528166	4.232464	4.559674	1.452044	1.056602	NA	-0.49261	-0.61608	2.599351
0.698383	2.829041	2.181848	2.624879	0.263665	-0.92091	-0.25278	2.927425	2.96318
1.825175	3.12412	3.627941	3.067325	0.838513	-2.00503	1.407822	1.848404	3.066484
3.499964	4.763528	4.901074	2.446017	2.797437	-3.79067	2.412123	0.716491	1.276566
2.969349	1.998339	4.024588	2.070089	-1.1475	-0.73178	-0.95044	3.136362	3.370225
4.154892	3.808015	4.035334	1.342094	3.796822	-2.03482	1.587226	2.201315	1.067069
3.518968	3.716986	2.746364	3.238768	2.252553	-0.95346	3.020279	1.220198	3.260395
2.244295	1.007267	0.235376	3.38185	0.114785	NA	0.208454	3.289283	2.535451
1.022438	2.054442	2.578137	2.39765	-0.29904	-0.56247	-0.62177	0.452619	1.197295
0.74821	3.200113	0.762937	0.412892	0.493408	-0.61733	3.022203	3.239458	2.630768
4.601487	0.945997	1.22304	1.228496	0.39344	-0.79732	1.284482	3.631226	3.75222
3.290933	2.037202	2.376456	0.230998	2.611729	-0.40564	0.179194	2.583738	2.356871
1.901066	3.420014	2.287574	2.251454	NA	-0.92783	2.725941	1.596428	2.114889
2.669497	3.547449	3.027737	2.326346	NA	-0.68034	0.276715	1.710144	2.516295
1.151459	3.349511	2.23584	0.15834	NA	-0.05495	0.907151	1.874954	3.454545
3.454127	4.965711	0.517378	0.738752	0.345802	0.140288	0.662862	2.585231	4.2448
3.245583	3.029054	2.69943	2.958187	2.82588	-1.15577	4.29663	1.717317	2.962785
NA	3.447395	2.759649	2.954087	3.567851	-0.23086	-0.04245	2.459366	2.962503
2.472758	2.793359	2.140144	2.053947	2.807587	0.438196	3.868863	2.118967	2.774169
0.252155	5.20612	4.458872	3.735704	2.671407	0.291118	4.590908	3.478279	0.633837
1.789721	3.015946	1.45978	2.394048	1.636574	-0.17218	2.506755	2.480482	2.408061
2.825829	NA	2.865143	NA	2.868609	-0.41263	2.486187	2.391832	2.567047
1.471138	3.382294	1.766223	NA	-1.31666	-0.22211	-1.05024	2.98309	4.728175
2.675372	1.855464	1.750301	2.793938	3.191329	0.522103	2.776375	2.645251	3.45122
3.071086	3.614412	2.228619	0.569124	0.972427	-0.8838	0.342866	2.961978	1.845419
2.459139	3.085919	3.200613	0.559906	0.007177	-0.11295	0.324134	2.4978	3.031062
4.655409	-0.15598	3.68184	0.160142	0.523538	NA	1.751877	2.568849	3.850728
-0.03919	4.018485	1.339734	0.121776	NA	-0.26311	0.175153	2.433019	2.603764
2.2738	2.936689	1.773305	3.773735	3.952292	-0.51916	2.693259	2.256088	2.703808
0.329579	2.54785	2.122899	1.808359	0.301715	-0.56321	-0.30605	0.54358	4.110352
1.882727	1.714148	1.92765	1.449698	3.203402	-1.31518	3.063999	2.585996	1.576771
0.312941	4.440673	0.315584	1.746925	-0.64438	-0.79301	3.474364	1.210527	4.67523
1.514289	2.341128	1.756983	2.355529	2.483799	-0.45304	5.094708	2.588471	1.089923
2.930038	3.565458	2.162188	3.370701	-0.29318	-0.33328	0.771155	2.794596	1.740611
4.076032	3.256714	3.458592	1.030738	NA	-1.92969	0.652651	0.251303	1.45298
1.968056	2.835831	1.444238	1.979092	2.468167	-1.16612	1.694781	2.92335	2.651496
2.586308	2.823312	3.297562	2.523313	2.821976	-0.64217	3.084202	1.838197	1.746881

3.076458	3.967615	4.360626	2.965978	3.10822	-2.12784	-1.67298	1.089936	2.680108
1.940391	5.288607	0.425239	4.478387	3.207332	-0.18146	5.333185	1.650959	3.317525
1.143718	2.802828	3.845918	2.75273	1.12446	1.912361	1.045317	2.596684	2.341419
3.446717	2.769475	0.734027	1.071856	1.183795	NA	3.573923	2.836487	2.45695
1.253942	3.139723	0.523092	2.537249	0.417936	-0.07786	0.073268	3.027052	3.374434
2.599327	2.166893	2.001789	3.77969	0.918916	-1.508	1.92768	1.826619	2.586353
2.358823	2.368429	3.428745	2.65281	NA	NA	2.509048	2.021355	2.248346
2.323464	2.611138	2.454221	2.905163	2.577522	0.13	3.468912	2.324245	2.174502
3.036884	2.893118	2.735714	2.528117	2.973318	0.228222	2.06704	1.632982	2.353416
1.042128	3.550685	0.819942	3.102333	1.245936	-0.51415	2.312653	2.076228	3.550947
2.123801	3.592481	3.955999	1.152446	1.238651	-1.15118	0.571748	2.109729	2.487542
2.616975	2.863883	2.772815	3.256225	1.759964	-0.97318	3.575105	1.379947	2.547922
4.586064	2.340559	1.544276	-0.60312	-1.01058	-0.5784	-0.79924	3.854521	3.825346
1.883916	3.221191	2.581991	3.739293	4.543095	-1.17691	4.191446	1.334798	0.325547
3.171392	4.252933	1.142853	3.746625	-0.42578	1.521623	0.686036	-0.66009	3.254144
1.254719	5.78008	0.34985	0.226258	0.10433	-0.29921	0.258517	2.521467	4.996235
0.674099	NA	1.337851	2.451186	1.112398	0.087944	0.100831	1.847374	3.336978
-0.55577	3.336089	3.114874	1.788188	-0.31102	-0.417	0.384719	2.213079	1.842765
2.487973	3.041695	2.643766	1.738851	1.644504	2.304478	2.26443	2.139078	2.881652
4.718138	0.486217	0.851097	0.603795	2.314143	-0.22681	0.626417	2.833014	3.335618
5.053249	1.588952	0.471866	0.993707	1.094326	-0.70396	1.44677	3.531125	3.708414
3.532844	3.97093	4.417193	1.841229	NA	3.716842	-1.45122	1.645311	2.159967
3.01517	4.489437	0.387418	5.623536	0.257465	0.020633	0.246747	5.581853	-0.00871
4.114993	4.236311	0.530583	-0.37938	-0.76745	-0.94049	-0.76125	2.152383	2.191942
0.301498	3.332343	4.525383	1.68651	NA	-0.24233	-0.41189	2.11862	2.69372
0.754898	2.791635	0.26451	0.155337	0.094139	NA	0.213879	1.362081	3.29068
1.577639	2.794846	3.758706	NA	1.427721	-1.60012	-0.68371	0.900332	1.93705
3.963389	4.09468	3.552515	1.703711	2.425262	-2.15881	1.773994	1.261104	1.305371
2.914896	1.057367	0.629187	0.972935	0.404844	-0.48796	-0.16863	3.695815	3.816371
3.900181	3.499789	3.237272	NA	2.177455	-0.29561	0.462425	2.785729	2.538481
2.199527	2.875477	0.431099	-0.07588	1.723149	-2.20453	2.334629	2.975009	3.472321
1.648444	3.475629	3.270898	2.218981	2.561526	NA	2.486969	-0.39119	0.234615
1.386301	3.081514	2.406371	3.061642	2.493918	-1.65225	3.09651	2.62201	2.419754
4.132569	2.642339	0.35195	0.924788	0.982579	-0.71186	4.510997	1.208169	3.326902
1.036238	1.494804	1.841646	3.021496	4.757465	-1.75667	3.424657	1.407886	2.367414
3.192925	3.817086	2.506435	3.02525	3.237515	-0.1987	2.230438	1.06361	1.33775
2.297474	2.801296	3.147664	NA	-0.08485	0.00715	0.342373	1.867031	2.917991
2.742185	2.753207	2.813938	1.705829	2.067144	-0.44373	2.563435	1.278515	2.347099
1.924874	3.476993	2.167504	-0.34712	2.668569	0.014877	3.371519	2.910115	2.819422
1.147792	2.880245	2.486209	2.63089	0.021719	NA	-1.26177	2.31214	3.038205
3.163802	4.384169	0.357551	0.23613	0.081725	0.046389	0.219082	2.627691	3.465526
3.646958	3.141403	2.903803	3.817602	4.593827	1.179213	3.355679	-0.61426	2.832868
2.89138	3.108111	2.42646	2.21317	2.804423	0.458188	3.200286	1.641169	2.759606
1.414381	2.390329	2.707499	1.926165	3.206659	-0.97909	3.451719	1.787505	1.44936
2.258479	2.548094	2.235308	3.462939	2.932986	NA	3.53076	1.007387	2.887266
2.355106	2.720476	3.14191	4.18003	2.982876	1.599606	2.121091	2.624961	2.03762
1.107748	1.835633	2.025537	3.147596	4.150761	-1.55326	3.833985	2.539594	1.713768
3.336294	2.502732	1.354931	0.889647	2.015317	NA	3.837982	3.410328	2.090995
0.882202	3.219784	3.49663	0.813159	2.986767	1.958386	-0.01983	-0.39977	3.965675
2.773564	2.949454	3.223002	3.240235	-0.18587	-0.65302	2.128042	1.582176	2.460239
NA	0.296045	0.476617	0.407877	0.323824	0.296755	0.389572	3.811286	3.707829
1.593795	3.089522	2.527645	2.492659	0.772088	-0.48429	0.677873	2.172426	2.388228
0.756635	-0.31857	0.204089	1.879326	-0.75509	NA	2.233493	2.458455	2.895762
1.781673	3.867264	3.853866	2.965659	2.07111	NA	-0.19889	2.096668	2.102058
2.692046	4.071304	3.57484	1.46709	1.702705	-1.69963	-0.2259	1.676393	2.760916
4.069523	3.046236	3.938435	1.3439	3.120459	-1.15516	1.884397	2.691303	1.674492
1.781326	3.502721	0.634145	0.888119	0.449248	0.02334	0.394082	2.785356	3.584408
NA	3.708967	2.169624	2.760498	0.948993	-0.89989	-0.86282	3.074036	2.939102

1.636585	3.107656	0.295776	0.154656	0.206251	0.13688	1.689741	2.876764	3.106583
2.564171	3.861845	2.08889	0.483487	0.283369	0.029777	0.347204	1.623019	1.773488
2.382836	3.026808	2.219455	2.634132	-0.32264	-0.48671	2.363781	2.638081	2.741294
2.588014	2.088184	2.453531	2.41589	3.281694	2.961633	3.166132	2.12779	2.342256
1.437844	2.798165	0.336487	NA	1.299643	NA	2.083666	2.565711	3.051409
0.822622	4.122275	0.0556	3.368564	0.234702	-0.62544	4.231096	1.980607	3.5026
3.038378	3.115084	2.079249	2.700017	1.086029	-0.39056	0.391428	2.033187	1.703784
3.05259	3.40592	3.616078	2.726292	4.627098	1.699549	2.63774	0.428435	-0.39678
1.578834	2.920565	0.762061	NA	1.288743	-0.48263	0.036809	2.418382	2.783304
2.285706	4.286027	2.57763	3.605087	0.296326	-0.02816	1.77543	-1.65332	2.293875
0.013274	1.293785	3.329541	1.789905	2.172902	-0.53561	0.333658	1.141766	2.038127
3.438257	3.296926	0.301078	2.104615	1.137406	NA	2.95778	3.20711	2.795738
3.184797	3.995322	1.690998	2.79236	1.500019	NA	-0.50896	0.85217	2.404281
2.266038	2.88073	2.942709	2.24229	1.787137	-0.98879	3.09228	2.016344	2.924411
2.853725	3.079665	2.953574	2.412923	2.15752	-1.866	1.74862	1.843044	2.120572
2.05227	3.466426	1.948944	0.838045	-0.33448	-0.45729	-0.24006	1.797562	3.173027
1.915569	2.59073	3.235911	2.221209	1.248249	-0.78764	0.343818	2.11237	2.265759
2.095472	2.985506	2.417638	2.088984	0.581059	-1.74027	1.863235	NA	1.777984
1.976044	2.847297	2.806528	3.429177	2.142877	-1.10324	1.933019	2.183223	2.118641
1.001967	NA	2.138561	0.369617	1.666085	-0.29824	0.206264	1.468682	4.174216
2.458346	2.920869	3.229049	1.736191	1.313942	-0.87282	0.213235	1.941438	3.096203
2.314615	2.642825	2.608729	2.793548	2.350904	-1.49394	4.32748	1.535606	2.542961
1.933592	2.120016	4.240302	2.717805	1.733858	NA	2.493357	0.749799	2.962308
NA	2.398349	2.577563	1.290405	1.085248	0.487413	2.388458	2.721079	2.926245
2.972028	2.080676	2.366682	2.192982	NA	-2.40507	0.967086	2.132496	2.606565
1.7521	2.561995	1.413264	1.736959	0.170849	0.023112	0.028107	3.521961	4.763229
2.285936	3.877201	3.030259	3.162218	2.338538	-1.26139	2.480345	-0.38678	1.888306
NA	2.815074	1.943595	3.074231	2.742664	-1.35818	1.472742	1.601445	2.473277
NA	3.180989	3.257796	2.208335	0.753395	-2.51552	1.525297	0.755948	2.546628
2.519024	2.801747	1.768545	1.57954	2.330333	-1.74322	1.044299	1.588211	2.347593
NA	2.924484	1.702965	1.777108	-0.96891	-0.27277	-0.74274	2.855113	2.777099
3.026852	1.919277	0.367727	NA	3.536228	0.015714	3.340635	3.190691	2.281794
1.572574	2.446583	2.117053	1.265829	1.927097	-1.09662	1.153283	2.175323	2.100462
2.269891	2.795814	1.783416	2.289054	2.631273	-0.58181	-0.28366	1.374688	3.060671
2.033776	2.776774	2.580754	1.826017	0.175778	-0.04812	1.043346	1.414437	2.86743
1.864476	2.648325	2.728374	3.067093	0.839069	NA	-0.49274	2.370486	2.040655
2.96487	2.513929	1.438011	0.484713	0.870695	3.7615	1.447143	1.389444	2.165944
1.930443	NA	3.246134	NA	1.940937	-0.74678	-0.26843	1.166193	1.80916
1.974704	2.331759	2.381292	2.038562	3.847652	-0.09936	3.147142	1.627423	1.9069
1.788237	2.825955	2.726224	0.426882	-0.48771	-0.27534	2.473114	2.256617	3.114811
1.826725	2.435443	1.782603	1.687517	2.130767	-0.93235	1.651693	2.68799	2.899967
3.423081	2.196996	1.322259	0.679023	1.902679	-0.52091	3.17965	1.825703	2.32558
1.755836	2.540798	2.696974	NA	2.825843	-0.30455	3.169532	2.518384	2.022186
1.370366	2.606788	NA	2.3608	-0.14983	-0.52789	0.556273	2.153428	1.830651
3.295811	3.459073	0.102001	1.500306	1.163606	2.447023	2.808206	3.044334	2.603093
2.983654	3.313512	3.013571	0.509962	0.275999	0.166001	1.154538	2.276497	2.899287
0.879561	NA	4.173373	-0.64425	-0.57179	0.23978	0.32967	1.62647	2.041696
2.327082	2.106605	2.57075	2.670745	3.019811	-1.64103	3.497972	1.764829	1.560635
1.963749	3.06401	0.949852	-0.56779	4.256289	0.034298	3.790978	2.1376	2.648578
NA	2.416056	2.309798	2.465986	0.704832	NA	1.824916	1.833375	2.378321
2.912671	4.093205	2.874761	1.049393	3.543342	-1.74663	2.78294	1.23673	2.114074
1.750171	1.960703	2.347499	2.890504	NA	-0.50336	2.408797	1.693869	2.025676
3.100255	2.503873	1.244602	2.526797	2.291414	-1.0975	1.830939	2.184255	NA
4.04949	2.237151	4.327493	1.922626	2.447	-1.43047	0.550957	1.971017	1.135226
2.424802	2.307595	2.716649	2.066253	2.56729	-0.18121	2.970623	1.921212	1.782084
2.073787	2.860381	2.265424	2.746777	2.827345	-1.82363	2.922758	1.177617	1.462269
NA	3.645261	1.524421	0.252548	1.029347	-0.03071	2.299092	4.667562	2.194629
0.719009	2.048833	2.432942	2.855114	-0.11876	NA	1.248957	0.388677	1.708838

1.731511	3.167392	3.263783	1.396534	2.582737	-2.30921	2.456726	1.570876	1.727907
2.120009	1.497991	2.266642	2.515714	1.838973	NA	2.681461	2.528478	2.62776
NA	2.425275	2.065297	2.423547	2.099688	-0.53432	3.284223	2.461288	2.443838
1.799565	2.592045	2.062772	2.093718	1.977341	NA	2.78101	0.472931	1.032186
2.186024	2.966054	2.899256	1.886636	4.395774	NA	3.021467	2.146588	0.581875
0.72089	1.102117	2.620946	0.898566	1.553907	0.893575	-0.14017	1.031311	2.315824
3.522511	4.197927	4.003959	NA	0.930405	-0.79739	-1.422	1.562886	2.642679
2.492421	2.896106	2.613919	2.125983	2.186489	-0.73578	1.53191	1.846434	1.559389
1.269298	2.919513	1.40834	3.896819	3.315214	NA	3.733963	2.353206	2.134677
2.470342	3.596567	2.278497	2.587853	2.151773	-1.52286	2.614405	0.857956	1.182551
3.505874	4.664411	2.411375	2.50512	0.240317	-0.65282	-0.21698	2.093056	3.162892
1.940109	2.987682	2.48762	2.013685	1.177945	-1.65078	0.888514	1.947067	2.598835
1.952532	2.195972	3.670625	2.198297	1.240035	-1.21644	1.302357	1.661081	1.761075
0.614192	3.566274	2.228747	1.557522	0.716747	-1.46332	1.231311	1.115272	2.633494
3.297578	3.391113	1.854297	1.925395	-0.59369	-0.55636	-0.00705	0.831163	3.041313
1.643585	2.607892	3.167858	2.661792	0.480187	-1.37923	0.137787	2.860693	2.62087
2.343068	2.878531	4.080523	2.091215	2.198667	-1.29966	1.31701	2.072593	2.397897
3.72465	3.985196	3.102857	2.533315	2.329218	0.296755	0.590658	-0.08769	2.613726
4.248843	1.510957	0.465114	-0.87076	0.167432	-0.14785	1.680106	4.296919	4.239351
3.808701	3.774439	-0.01179	1.354943	1.45296	2.190074	1.009759	4.562047	2.726486
3.291382	2.685499	2.223065	2.033208	2.381971	-1.58557	2.889562	2.100435	3.371517
1.779255	2.608804	2.079489	1.997242	-0.29976	-0.32758	0.876373	0.918205	2.397418
0.797247	2.005941	0.386034	NA	-0.91786	-0.83566	0.485399	3.182593	2.855169
1.90984	2.943797	1.452371	NA	2.035674	-0.52666	0.273344	2.146976	2.874796
1.078132	1.932527	1.089225	2.357534	-0.1117	-0.56318	-0.68714	2.089564	2.114186
2.687191	2.668234	3.455291	2.174603	0.248811	-0.53555	2.235874	1.374483	2.335893
2.023797	2.887825	2.725013	1.775847	NA	-0.72673	1.530359	1.987573	2.224113
2.641791	3.263906	2.153151	2.969713	3.692789	2.562947	2.65055	1.054441	2.023473
1.868992	2.668863	1.888518	2.204893	2.798575	-0.92619	2.109133	2.079649	3.245387
2.298672	3.114216	1.716537	1.299771	3.021906	-1.26422	3.324258	2.131909	4.045742
2.507416	3.268382	3.956734	2.274564	1.035782	-0.74983	-0.85259	2.081109	1.415545
3.122199	2.941343	3.40509	1.482185	1.863597	-1.63118	1.858034	2.360213	2.979525
3.156737	3.74277	2.354536	0.622107	-1.10171	-0.64638	-1.02313	0.408665	3.123915
1.299464	2.852826	2.334237	0.504348	1.021	-0.75311	2.153529	1.737762	1.644199
1.857451	2.27918	NA	2.600237	1.510631	-0.52258	1.358058	2.412691	2.609961
2.124911	1.977306	1.849342	NA	2.090704	-0.47762	0.422541	2.180807	1.995398
1.733438	2.303722	2.024971	2.373555	1.2347	-1.16727	2.106881	2.194245	3.438384
1.777796	2.276989	2.926284	NA	0.857815	-1.03827	2.290302	2.156586	2.685473
2.711139	3.096984	2.581482	2.228711	2.968572	-0.24612	1.920854	1.386232	2.302811
4.081479	0.476632	1.045457	0.854019	1.490286	NA	2.095673	3.773436	3.748142
3.43846	3.329981	4.114144	2.268324	1.70987	-2.20008	1.281709	0.202951	2.66644
0.108184	0.960355	3.124621	2.834272	2.430771	-0.627	2.415636	2.194576	1.425841
NA	2.271754	1.715464	3.021091	2.354356	-1.2383	1.27244	1.309212	1.464081
5.60916	0.422058	1.377627	0.481351	0.970672	0.285611	1.594412	3.411605	2.990966
0.977217	2.194249	1.427754	2.050005	0.631234	-1.16887	0.89402	1.706315	2.271016
2.453564	2.390424	2.527231	2.445961	3.015056	NA	2.032972	2.129194	2.111399
2.53748	1.058982	3.691848	2.569139	0.352509	-0.9484	1.017894	2.048195	4.096281
3.208593	3.701892	4.149618	1.082344	-2.31326	-1.13097	-1.69771	1.579655	2.549695
3.419787	3.279831	3.088977	2.428097	2.637736	0.096836	2.431112	0.930789	1.627292
1.37565	2.462832	2.173473	1.932079	0.596932	NA	0.168218	1.757518	2.314299
1.920475	2.945718	2.700358	2.507423	-0.26164	-0.62247	-0.55539	1.511767	3.078477
0.014992	1.020393	0.628764	1.790245	3.191549	-1.83164	4.76674	2.932893	1.526712
1.030416	2.902881	1.584947	2.700149	-0.17264	-0.32409	-0.00403	2.211713	2.398743
1.066988	4.489967	1.965388	2.309132	-0.22617	-0.74163	0.288594	1.820524	2.214283
2.126464	3.184786	1.792856	1.02993	3.551737	2.063427	4.396874	1.701944	1.007129
2.837519	3.179145	2.157842	2.121571	-2.06043	-0.67153	1.286116	0.500893	1.68303
2.933159	3.354489	1.044933	1.566538	-0.5142	NA	1.488447	1.385265	2.337697
2.047098	3.022892	3.616943	2.821158	2.582929	-1.40328	3.079378	1.063106	1.424488

2.333615	3.165087	1.121383	2.472199	2.293292	NA	1.865114	1.351095	1.974947
0.215158	NA	1.301553	NA	2.358667	-0.08419	0.33034	3.44691	2.4429
NA	2.211264	0.954634	2.034911	3.000913	-0.61987	2.183597	2.693331	1.739408
1.996011	2.118235	2.893658	1.097799	1.797596	-1.93778	2.645412	0.353408	1.632359
1.982355	2.780195	0.964888	2.74134	2.202059	-1.09793	2.843411	1.598273	2.965649
3.329436	2.988899	0.434819	0.333305	0.032789	NA	1.419544	2.355516	1.661901
2.545594	2.606601	1.204181	1.772271	0.596181	-0.84775	0.419339	2.364603	2.669012
3.220214	2.82587	1.751949	2.056863	1.061417	-0.68924	1.879864	1.652994	2.405114
2.445259	4.073276	0.448064	1.066991	0.263335	-0.23343	1.123359	2.050336	2.432635
2.832187	2.680603	2.848763	2.165333	2.90658	NA	2.57503	0.112854	1.714214
1.671831	2.810606	1.886868	NA	2.582666	NA	1.95381	1.159225	2.210708
0.854012	2.250104	3.765428	1.665425	0.780002	-2.1615	-0.02341	0.982742	1.447822
-0.26336	4.204592	1.641217	NA	0.485141	-0.1121	4.765174	3.144899	1.590197
0.273293	2.898484	2.078075	1.479839	2.013951	-0.8135	0.616987	3.376239	2.153934
2.853988	2.450843	2.145225	NA	2.255616	1.979716	1.492618	1.119274	2.579527
2.05062	4.348253	-0.19937	1.433086	0.404394	0.428212	0.480951	4.186355	0.23864
1.162158	3.665701	0.38085	1.725692	-0.27253	-0.49594	0.433637	3.111162	1.68109
2.464079	3.414957	1.752686	1.72382	1.46927	-0.64962	2.352869	1.092672	2.171721
NA	2.837637	2.429381	2.496895	2.648442	-2.19632	2.934289	1.80198	2.223539
2.540699	2.23792	0.726052	3.297121	3.44434	-2.29125	3.82698	1.322315	1.338684
2.29673	3.188275	3.418222	1.43383	-0.50245	-1.54813	-0.10397	1.875457	2.044584
1.193206	2.483945	0.544966	0.465153	0.270018	-0.22208	0.331756	2.523616	1.639763
2.894693	3.26876	2.749631	2.625895	0.619198	-0.31773	0.27725	1.241928	1.668586
2.372382	2.942323	1.952369	2.530856	0.049326	-1.17954	-0.50171	2.087349	2.678099
2.183561	2.861603	1.682455	1.507737	-0.37258	-0.22002	0.399686	2.392485	3.443988
1.262208	2.283348	1.934868	NA	1.358615	-1.50086	1.244867	1.792071	1.386173
0.123169	2.49063	1.503189	2.346558	0.4519	NA	2.342076	1.915695	1.762521
2.395719	3.032068	0.982402	2.297879	NA	-0.60069	-0.50697	1.716473	2.638324
1.29115	3.234893	0.332547	1.555449	1.457431	0.048926	0.152572	1.658711	2.607663
2.321815	3.177769	1.498181	2.649744	1.740549	-2.31379	1.973872	0.810804	0.186896
NA	2.644388	2.6104	2.32946	2.072363	-2.49367	2.935621	0.757669	0.730425
2.133357	2.904868	2.625542	3.565772	-0.68729	-0.71852	0.17549	1.078558	2.511821
3.34071	1.610524	-0.21757	0.332018	NA	0.036691	0.350141	3.179831	2.55518
0.13969	2.02858	2.727499	NA	3.642617	-0.86236	2.718399	2.281885	0.971652
-0.51366	NA	2.238184	0.626038	0.832679	-0.2977	0.472416	1.279377	2.770344
0.8103	3.036746	0.854436	NA	1.657418	-0.28974	0.037784	3.015238	1.814557
4.725898	2.544824	3.680777	NA	1.436877	-0.68615	3.146977	0.173561	1.875611
3.456149	2.874003	2.905293	0.405537	0.573975	-0.57009	2.442344	1.399018	3.565813
1.568981	2.503481	2.994693	2.325242	2.45009	NA	-0.44154	1.069153	1.713623
0.89078	0.909385	NA	2.444915	2.411291	-1.67697	0.931142	-0.31184	1.649784
0.863705	NA	2.966785	0.841819	2.603156	-1.43173	0.042201	0.833371	1.481192
3.723389	2.920981	3.761617	3.040307	3.843346	0.338329	1.463046	-1.57305	1.470171
1.699	2.478375	2.619456	1.842845	1.492198	-1.06507	1.84227	1.881211	2.943964
1.927567	2.095648	2.354083	2.101473	1.706209	-2.36407	1.81633	1.155958	1.815475
1.71282	1.806919	2.074664	3.112609	NA	0.649594	3.740253	0.71426	2.573828
1.613236	3.132529	1.348301	1.74673	2.942192	0.213253	3.161545	1.092788	2.211185
1.831023	2.856573	2.598502	1.498151	1.619884	-1.10078	1.187221	1.053239	1.616251
3.389674	0.795619	0.529062	NA	-0.79126	-0.55207	2.043452	2.76496	3.231881
1.993766	2.67895	1.640833	1.81314	3.587037	2.128777	3.984658	1.674727	2.567508
2.465006	1.419248	1.750269	2.645517	NA	-0.74737	-0.8549	2.37289	1.920356
0.546428	1.556891	3.440705	2.236391	3.908393	-1.36297	3.580331	2.095977	1.578981
NA	2.174759	3.378337	3.352041	1.613987	-1.93434	3.273231	1.138789	1.407027
1.929523	2.483092	2.894234	NA	2.56039	0.585142	0.061956	2.472015	3.059304
NA	4.175088	3.115742	0.195216	1.057308	-0.71748	-0.14999	0.345363	1.198652
1.44774	1.46533	2.505733	NA	2.534813	-0.59121	1.205952	2.028364	1.6821
0.524633	2.316471	1.488278	2.649496	2.323787	-1.32409	1.893154	1.421328	0.16703
3.253088	2.158708	2.394484	1.269228	1.037608	-2.02904	2.856761	0.745023	3.448439
1.547529	2.403686	2.389118	1.953603	1.565495	-0.07827	1.985665	0.877419	2.414372

2.25687	1.988069	2.38717	2.351593	2.380381	3.537354	1.704605	0.032683	2.638858
0.716672	2.935114	0.454831	1.048811	2.444077	NA	1.840738	1.612258	1.961723
3.11477	0.4771	0.450487	0.129908	-1.54444	-0.7466	0.238294	3.59153	3.102004
2.202463	2.58032	3.18513	2.400624	2.767471	-1.15283	2.106218	0.92304	2.01216
0.631312	2.02227	1.448788	1.942523	0.248601	0.449395	-0.01475	2.000084	NA
1.875093	3.598769	2.612182	2.530955	2.882063	-0.4262	3.570067	1.599109	2.118125
2.557973	NA	2.401096	NA	2.881778	-0.25784	2.198758	1.260851	1.585401
1.313221	2.547594	1.603105	1.823586	NA	-0.50621	-0.61949	2.447839	2.303838
1.467639	2.300557	2.153736	NA	2.13044	-2.7848	2.1919	1.695203	1.329488
0.353573	1.991378	1.705976	2.232919	2.15682	-2.30952	1.73838	2.193419	1.785896
1.173228	2.114153	1.959515	1.717365	1.229753	0.366528	0.796854	0.670806	2.321533
2.152752	2.862442	3.504727	1.702784	-0.69789	NA	1.034509	2.436071	3.012087
1.393252	2.541552	2.275751	1.311696	NA	-1.38335	-0.59398	1.239999	3.133939
1.958388	2.770713	3.319407	0.883207	0.103148	-2.52751	0.309472	1.917486	1.959561
1.779769	1.404987	0.817468	NA	2.044171	1.834964	1.577802	0.566705	1.825895
3.08921	2.951211	0.290864	3.731818	0.128887	-0.35289	0.110476	2.14268	2.444198
3.752108	4.080486	1.884328	3.501452	0.285909	-0.44075	0.341928	2.198467	1.722086
1.852476	1.4687	2.986869	1.781717	2.671112	-1.39908	2.279748	1.397284	0.881185
4.613021	0.665229	1.727998	0.79703	0.650096	-0.49509	1.807968	2.88514	2.966325
1.603915	2.326185	2.121763	NA	1.765393	-1.66206	1.278897	1.282341	1.991001
1.042722	2.335512	2.99949	2.253329	1.429015	-1.92976	1.592653	NA	1.732244
0.404527	2.226996	1.482585	0.990841	NA	1.847305	0.003436	0.203455	2.520777
0.329144	2.017032	1.639554	1.660372	-0.00432	NA	-0.46241	2.060726	1.851167
2.530818	2.385626	2.609235	2.76299	2.44252	-0.7478	3.521455	1.022457	1.715333
2.856987	0.193045	2.771392	0.99501	0.152869	-0.28341	-0.44959	3.949782	3.359925
1.132558	2.662064	0.663597	0.837638	2.735461	0.19608	0.2024	1.522954	2.071657
1.049335	1.501568	1.628477	2.243014	1.32691	-1.71173	0.271191	1.989299	2.045497
0.193109	2.476263	0.596148	NA	2.383224	-0.31712	0.264674	2.855048	1.853627
1.913143	2.39276	2.721842	2.046612	3.283006	-1.93741	2.058119	1.062077	2.021405
0.406979	1.859449	0.333711	0.187614	-0.40472	-0.38179	0.40999	3.002193	2.021628
0.588111	2.36587	2.552428	4.019177	2.666884	-1.83731	-1.78122	1.194334	1.570833
1.922336	2.258417	3.048714	1.885999	2.254301	-0.77527	1.166671	1.59697	2.736731
NA	2.892873	1.627026	1.160198	0.30329	0.547714	0.609489	2.33561	1.87553
3.807759	NA	1.483293	1.184969	0.290323	0.058287	0.385673	NA	2.974583
2.804243	3.134941	2.006996	2.668159	2.81947	-1.12865	2.973822	0.299882	1.461295
0.734215	1.656644	1.43456	1.606251	0.757358	-0.82512	0.738468	2.254231	2.071354
2.974708	3.430844	1.783172	0.241944	-0.46437	-0.84059	0.376769	2.68215	2.733193
0.204947	2.563288	3.142765	1.851477	0.884161	-0.44059	0.316566	1.846613	2.064508
1.567886	2.635057	4.442483	0.014491	0.018942	-0.40275	0.052386	1.940637	2.583169
2.882234	2.650595	2.889514	0.937529	1.278432	2.367866	-0.24264	2.612385	2.087132
2.246575	2.176986	2.910193	2.400292	0.737567	-0.20398	-0.68686	1.497323	2.443027
2.601661	3.45599	4.093389	1.814882	0.133646	-2.27016	-0.46551	0.058633	1.402874
1.701776	2.971767	2.955953	-0.36813	3.165798	-0.53575	3.017295	2.188705	1.468422
2.161876	2.755206	3.14717	1.933004	2.628995	-1.06339	2.005815	1.208712	1.779635
NA	3.111974	3.025893	1.371571	-1.20094	-0.48709	2.69207	1.193255	2.483641
3.585444	3.199556	3.437899	3.284289	2.186273	1.653297	1.68197	-1.48525	2.523964
0.552997	2.187407	1.945479	1.992985	-0.41221	-0.42477	0.339688	1.376713	2.303797
3.449382	2.9538	0.468849	1.653109	2.253551	-0.69062	1.90618	2.890708	3.159772
1.534314	2.164055	2.675919	1.453053	1.260951	-2.66081	1.146873	0.184039	2.242306
2.186725	2.574093	2.878426	2.319974	1.983428	-0.93703	1.109008	1.504001	1.850551
2.228506	3.390926	2.771322	1.541674	0.591633	-1.73125	0.312277	1.890877	2.233367
1.315189	2.989334	1.902518	1.771612	1.102312	-1.26146	2.363387	0.749123	2.286575
3.417637	0.628157	2.245048	1.0429	2.010356	-0.74341	3.481174	1.56711	3.406357
2.483044	0.625185	1.55614	0.438682	0.255884	0.021567	0.944417	3.734631	4.262698
2.579741	3.155568	1.422244	1.046654	2.367361	NA	2.122539	1.646431	2.8145
3.420365	2.20567	2.451437	2.425247	2.41152	1.055607	2.886847	1.049981	1.193282
3.808861	3.598554	3.503469	1.302766	2.312362	-2.26284	1.115268	2.334073	2.362317
2.35449	2.462665	1.695588	1.686075	0.146838	NA	1.084405	1.501656	1.985047

2.156288	2.899997	2.827999	0.560259	2.184102	NA	2.133952	1.285528	0.529776
1.648834	NA	2.220875	NA	0.391348	-0.35625	0.453495	1.425873	2.522717
1.261063	1.264488	0.988507	NA	3.376152	-2.05637	2.639494	0.678163	1.361536
3.023483	2.297426	2.564511	2.303756	0.168827	3.383089	-0.34852	-0.42172	2.949338
2.530326	3.446805	2.979593	2.845874	1.61767	-0.82228	2.298171	0.354358	1.721657
2.172341	2.755358	2.962665	2.22953	1.265685	-2.34133	2.598618	0.948587	1.88119
0.924576	2.813362	1.794804	1.269729	0.26224	-0.36115	0.00772	2.42262	2.979173
0.035033	1.290746	0.454705	1.455367	-0.32212	-0.17092	0.029045	-0.93506	2.68151
1.678968	1.91307	1.114473	2.269416	2.749319	3.611669	2.346629	NA	1.077945
0.743041	4.36061	0.475344	3.162931	0.157389	-0.38339	2.023541	2.762029	1.945425
1.805188	1.721713	2.014351	1.560913	2.744628	-0.03098	2.521864	1.012393	1.33755
1.05998	3.258644	2.085702	1.678372	1.367208	-1.6208	2.704105	1.39884	3.432053
1.031307	2.308929	2.132885	1.366947	-1.29349	-0.88947	-0.64355	1.677429	2.851512
1.349355	2.540166	2.471344	1.431914	1.013382	NA	2.034561	0.695641	2.14385
1.812062	2.256704	2.604786	2.451887	2.158019	0.484433	1.680447	1.278795	1.679579
1.482082	0.183851	1.677843	3.025469	2.857012	-1.62401	1.977226	1.7831	2.297351
1.545739	2.923538	1.075473	0.563874	0.358274	-0.05664	0.335996	3.932083	2.506348
1.092862	2.287896	2.643981	NA	-0.1908	1.227248	-0.53679	2.037784	2.658031
2.339315	NA	3.0967	1.111316	2.270387	-1.36952	0.856859	2.187432	1.699566
3.049904	1.934077	0.166841	4.849796	NA	-0.05033	0.247434	2.114902	2.652677
2.805072	0.187646	0.292288	-0.12343	0.201396	-0.17075	0.758279	3.259186	3.747762
1.167694	2.12777	2.364002	1.45685	-0.75524	NA	0.756067	1.208899	1.230473
1.524733	2.463961	2.811582	2.561753	2.934619	NA	2.45678	0.967719	1.902774
0.540289	0.298069	2.466405	0.503293	0.433133	0.369445	0.39732	2.51362	2.521057
1.08574	2.495988	2.076612	1.658753	0.307068	-0.12997	0.479814	1.888273	1.994867
1.91124	1.984205	2.236485	1.865848	2.78872	-1.50626	3.397202	1.785561	2.668237
1.666549	1.656583	0.397569	3.028819	0.53686	-0.76045	3.566068	1.847055	2.217804
0.267383	1.785813	0.486328	NA	1.334098	3.857235	0.216665	1.594273	1.542494
NA	2.21763	3.280942	1.468167	-1.70069	-1.34005	0.002031	1.400637	2.306802
1.407552	1.984947	2.231316	NA	-0.31689	1.524523	0.227288	2.671158	2.792656
1.259043	2.118592	1.810334	1.623507	1.307295	-2.58648	1.279274	1.207122	3.002889
2.207326	3.379024	1.236353	1.920783	1.16619	-0.78952	0.486273	0.740143	1.992005
1.119334	2.851856	1.77189	3.25028	2.835418	-1.87508	1.739989	0.700145	0.460177
1.194018	3.002136	1.944435	2.279009	-1.13031	-0.9134	-1.08984	2.428557	2.983398
1.222731	2.511616	3.184514	1.628087	-1.2829	-1.3612	1.010226	1.676772	2.022302
0.696079	2.215957	2.324112	2.374336	1.415722	NA	0.511271	1.646562	1.437896
0.904497	2.108143	1.250135	2.948262	2.098099	-1.97235	2.170087	2.012213	1.353485
1.509822	2.25208	1.332095	1.894797	3.719016	-1.15776	2.141075	1.518787	1.687149
2.01752	2.681589	2.968591	2.604463	1.731694	-1.72475	0.579085	2.08336	1.894065
1.182034	2.507738	0.228749	-0.40858	1.803021	-2.56527	1.622827	1.966772	3.426445
0.842843	2.214158	2.250557	0.935636	-0.52897	-0.61477	-0.83917	1.7414	2.283128
2.156748	2.996071	1.26498	-0.01077	0.745993	-0.73361	1.130475	0.819674	2.316171
1.733374	2.763238	2.083194	1.416019	0.221344	0.038164	0.144551	1.229699	2.000607
1.238785	2.423093	2.079967	2.066353	2.544353	1.777984	2.288788	1.208166	1.861402
0.777195	2.09836	1.610387	1.820245	0.760419	-1.21403	-1.29738	0.89799	1.265416
3.167896	NA	1.903741	2.329043	1.928089	2.172755	3.181873	2.123958	1.895159
1.08807	1.832831	1.815384	2.415224	2.705708	-1.36975	1.513426	2.93597	0.829088
0.535542	2.094791	1.929128	1.789977	NA	-1.19868	0.922152	2.041287	1.106294
2.025016	2.427708	2.957139	0.178049	NA	-0.86047	0.327188	0.898129	1.499235
1.419322	2.75912	1.818872	2.306428	1.161344	-0.67827	1.452855	0.471878	2.119613
2.793468	2.842745	2.088036	1.518701	0.626628	-1.93746	1.317781	0.558752	2.21496
0.775916	3.638094	1.971263	2.037928	NA	-1.38774	0.801264	2.015591	2.126956
1.911454	2.918351	1.847082	NA	0.323377	-0.74947	-0.49299	0.889881	1.804943
1.549912	3.081783	2.948804	2.459902	0.980851	-1.78591	1.354827	0.515449	1.019626
2.777252	2.036305	0.922154	0.007038	-0.73985	-0.37073	-0.33204	3.45842	3.239243
2.46526	2.484697	2.491666	2.522689	1.399574	-1.97221	0.53618	2.085775	1.896407
1.960265	2.03097	1.860802	1.232114	2.573781	-1.83123	2.739414	3.0013	2.520689
1.120769	2.513212	2.249759	NA	0.616005	-1.81211	0.701813	2.03145	1.973395

-0.45359	2.332248	0.554087	2.277055	1.529097	NA	4.454773	1.237148	0.938046
1.305835	3.599634	NA	0.437949	0.147852	-0.24975	-0.06859	1.721759	2.565236
0.900835	2.907253	2.222959	1.06867	1.665408	-0.49973	1.214625	2.386209	2.800074
1.333095	2.221999	2.023429	2.527444	2.402962	-1.49124	1.806262	0.79991	2.18712
1.712292	2.107785	2.788517	1.422088	1.011043	NA	2.12458	1.716258	2.934616
3.004106	2.07058	2.192516	2.637604	2.347472	1.699458	3.602046	1.114819	2.486958
NA	1.269764	4.322553	1.428671	2.687307	-0.89561	2.777777	-0.08301	0.363969
2.850258	2.305741	1.442071	NA	2.529988	-1.53244	1.307777	2.353981	NA
2.481892	2.999338	2.412147	NA	2.693584	0.348763	1.695886	-0.29791	0.940069
3.136785	3.341979	0.592378	0.441038	-0.23339	-0.06328	0.426167	2.486575	2.511813
2.352303	2.454964	1.663404	1.329306	NA	0.681887	3.489525	1.803758	2.738576
1.903362	2.101551	3.072811	2.267099	NA	-1.66864	1.476738	1.03943	2.04062
2.381476	3.176442	2.561292	1.122645	-0.3564	-0.51224	-0.05655	1.508555	NA
1.479427	2.638591	2.495943	NA	0.743285	1.262844	0.204567	1.903057	2.364271
1.738535	NA	-0.39828	NA	0.053614	-0.2696	3.86183	1.004615	2.898003
2.298774	2.183752	2.087202	2.592486	1.713755	NA	2.218197	0.62404	0.834336
1.688168	2.250212	2.778943	1.666018	-2.02074	NA	-1.32463	1.271244	2.458844
2.05259	2.13501	0.299426	2.709063	2.329204	-1.35003	4.312123	1.580315	1.716679
2.164543	3.207695	2.931087	2.308828	2.510156	-1.40747	2.613144	1.506222	0.870448
2.777191	2.925929	2.895569	2.09777	0.368544	-1.07008	0.593909	2.346014	3.012093
-0.80863	NA	0.420093	NA	0.385355	-0.32836	0.138521	1.824099	2.195851
0.454953	3.007899	NA	NA	1.842752	-2.8183	0.004746	1.453153	1.63915
0.394012	2.743293	1.46484	1.200055	2.236593	-1.27389	1.254627	0.823116	0.61716
2.94255	0.848377	0.350009	-0.42122	-0.12632	-0.10272	0.591912	2.269927	2.857546
0.278884	3.19649	0.511294	0.48018	0.451799	0.493298	0.408336	1.426965	1.798943
1.885586	3.007242	2.933779	2.526551	2.005381	0.27815	2.477128	1.549007	1.875412
2.581834	2.203843	0.703411	2.046831	3.354895	-1.91973	3.285157	1.555136	1.700515
1.973583	2.095132	1.221132	2.28438	NA	-1.32432	2.958795	0.873686	1.801281
1.585004	3.13522	2.775248	2.044363	2.285411	-1.41291	0.911555	1.295176	1.295435
4.911968	0.325962	0.886123	0.038008	0.864459	-0.49676	0.767252	0.950347	1.525458
1.419762	2.825845	2.367789	1.647148	-0.45379	-0.93394	-0.62607	1.85311	2.275104
2.639373	2.62553	2.66619	NA	0.01234	-0.7634	-0.56017	1.211492	2.727676
0.953008	2.315422	2.260434	2.308448	1.931509	-1.42582	1.646892	2.01679	2.138047
2.030341	2.592862	2.380178	1.337043	0.848182	-1.22935	1.883766	0.122889	1.831424
2.451901	2.022482	2.063943	-0.10417	0.033937	NA	0.230431	2.142385	0.668763
1.185755	2.63558	1.730146	1.451928	1.091436	-1.66002	1.882253	1.72453	2.660501
1.525439	2.634503	1.755085	2.006053	0.37731	-1.12097	-0.60041	1.312618	2.219403
2.871334	2.462182	2.475494	2.074893	2.099091	-0.27108	1.578232	1.102276	1.281659
1.677636	2.798119	2.373295	1.237414	-0.16684	-1.00458	1.906778	2.028963	2.167307
1.320562	2.910286	2.168735	2.083054	2.824381	2.187696	2.266341	1.798422	2.593352
0.960638	1.567532	0.11466	NA	-0.99507	-0.75782	0.651189	2.59952	0.673824
3.218501	3.070897	1.917064	1.60706	2.160628	0.915906	2.477845	1.629017	2.322534
1.439486	2.684096	2.593819	1.603808	0.333777	-0.88833	2.618089	1.332336	1.183436
1.396379	2.122367	1.698657	2.021427	3.412415	NA	3.958552	1.835836	0.884762
0.439347	1.286539	2.343844	1.457361	0.459053	0.45317	-0.31246	2.278502	2.325074
-0.38441	1.613903	0.257645	1.554768	0.038306	-0.3682	1.417311	3.082439	2.608713
1.402599	1.490112	0.184246	2.473157	2.797104	-2.52718	3.880818	1.494441	1.302206
1.21902	2.381152	2.037248	1.582929	1.456394	-1.0263	-0.69965	2.322751	1.989324
1.401401	1.658274	1.233615	1.839232	1.927019	-0.47238	0.713024	4.023108	2.715629
1.573407	2.061161	2.428051	2.341844	2.218173	-2.35582	1.589715	1.078266	1.440704
1.548091	3.42357	2.825815	2.699541	NA	-0.13847	2.732228	1.488403	1.289229
1.823431	2.407571	2.184238	2.715683	2.337341	NA	3.283697	0.87121	0.763175
1.285747	1.406801	3.508755	2.623668	3.809576	-1.24134	-1.20324	-0.55874	1.763223
2.558132	2.531567	0.781594	1.744552	1.779555	-1.45595	3.020232	2.081247	2.063247
0.576402	2.654163	2.560602	1.737704	-0.35628	NA	-0.31113	1.077115	1.845174
0.935097	1.552495	1.905316	3.327401	1.572507	-1.00968	0.916224	0.45399	0.48118
1.289977	2.02287	2.012811	NA	2.2793	-2.11419	2.734429	1.028283	2.298465
2.007246	4.128426	0.666428	1.200756	-0.14287	-0.23439	0.178275	2.075995	1.658598

1.641766	2.761376	NA	1.746186	1.414479	-1.11106	1.11135	0.943903	1.438683
3.14415	3.27053	2.083012	1.46378	1.908265	-2.39789	0.503772	1.518452	1.523539
1.41395	1.56796	1.033132	1.847586	NA	-0.47789	2.551588	1.795159	2.588114
3.189593	3.328323	3.722893	1.228714	0.785243	1.376338	0.572547	-0.46949	1.370816
3.395478	1.71359	1.900856	NA	2.134674	0.654849	2.945344	1.412026	1.393944
4.082343	1.029125	0.611564	-0.41542	0.038849	-1.52794	1.438531	3.242155	3.210623
1.954512	3.484203	4.280532	2.28825	1.90258	NA	1.828168	1.108779	1.560692
2.560269	2.370924	2.080598	1.955092	2.376586	-1.91849	2.767241	1.323998	2.896348
0.167129	1.601584	0.880928	0.649099	NA	-0.16757	1.561903	1.887193	3.102336
0.130955	1.965257	2.335899	NA	-1.47796	0.786869	-1.07823	1.971156	1.185403
1.484359	1.875923	2.318532	1.82423	1.928737	-2.14274	2.522762	0.950793	2.282424
3.417109	1.887132	2.447489	1.047938	3.22665	0.950671	2.862985	2.334667	2.400436
2.910581	2.866195	1.778174	1.314011	2.491606	-1.36004	3.896275	1.670554	2.473428
3.65398	2.004224	1.438721	0.084551	0.944949	-1.55453	0.051724	2.571767	2.675175
1.183928	2.054268	1.437329	2.486757	2.88908	-1.47301	2.461371	1.376211	1.674736
1.569963	2.401957	2.53559	NA	3.081616	1.891	2.226027	1.227137	2.33855
2.273889	2.287161	1.198372	1.323814	2.611811	-1.31879	2.492897	1.94602	1.503557
1.428391	1.919663	1.768442	2.482135	3.34691	-2.28962	1.590345	0.065156	1.091062
1.939622	2.076776	0.633869	0.375846	-0.14725	-0.19161	0.195607	1.456191	3.151042
3.020482	NA	2.168909	1.51876	2.807352	1.428992	3.168913	0.777631	0.68336
0.557366	1.942806	1.464594	0.554519	-1.1496	NA	-0.86216	2.944286	2.358067
2.597362	2.388093	2.696339	1.57528	1.380764	-0.62118	-0.49294	1.641704	0.57523
0.310741	2.473435	1.742031	1.672362	NA	-1.41721	0.206133	2.664278	3.400668
3.970972	2.897746	3.465931	-0.01536	0.856836	2.555981	0.564353	0.513127	1.987931
2.105069	2.295891	1.9814	1.425609	1.864188	-1.80433	2.029124	1.327227	1.534408
1.111545	2.464407	0.809558	1.994408	0.151141	-0.53509	0.246859	1.71852	1.979939
NA	2.89704	1.61387	-0.02618	-0.35579	-0.54586	0.181805	1.216948	4.239153
0.994389	1.978039	1.419432	0.209045	0.060682	NA	0.175888	1.829392	1.235775
1.461163	0.842432	0.108016	1.829639	2.720432	-1.20792	3.218677	1.49837	2.091278
2.488345	1.783771	1.748864	0.862906	2.764139	-1.86825	2.43348	NA	3.128541
3.113431	0.417673	0.246718	-1.40032	-0.28177	NA	1.728226	2.142903	2.435995
2.99502	2.316744	2.127295	NA	2.283171	-1.06645	2.741837	1.196335	1.396741
1.538735	2.166039	1.671364	2.152268	0.768475	-0.04632	3.217154	2.976169	3.158039
2.199392	2.773359	2.579798	-0.76082	0.057534	-1.51337	1.688835	2.516371	2.452207
2.172882	2.936651	3.16727	1.633451	2.760113	-1.12335	1.463326	0.803802	2.707882
0.48664	1.960675	1.667246	2.650328	1.0858	-2.20854	2.635754	1.361868	0.968729
2.539017	2.055953	2.973647	2.229709	0.536298	-0.32001	1.21188	0.228172	1.962302
1.667097	1.956703	1.655421	1.440443	0.576061	-1.9238	1.940117	0.828014	1.834038
0.789397	2.838066	1.856105	1.439599	1.427041	-0.54723	4.092224	1.80866	2.094727
0.504242	3.50626	1.297069	-1.47574	2.396374	-0.85648	2.674298	1.541802	2.46389
1.616294	2.534053	2.358812	1.531973	1.598032	-1.59565	-1.55217	1.198282	1.362841
1.392553	2.815404	0.980962	1.992659	0.012913	-0.24988	0.240856	2.901453	2.247696
0.388074	2.036461	2.061053	0.767629	1.300451	NA	-1.09187	1.971785	2.050095
0.524377	2.046652	2.242866	NA	2.049495	-1.07473	2.550892	2.301787	1.281357
1.400206	2.654566	2.677936	0.260355	0.329714	-2.27143	2.141583	0.656999	1.461218
NA	2.700166	1.893228	1.831208	0.952689	-2.03815	0.388848	1.160406	1.296067
2.176883	2.71648	3.306678	1.949161	1.689173	-1.65249	0.75622	0.185924	1.854829
2.431885	2.747721	3.238876	NA	2.274214	-2.4295	0.742077	0.570016	1.618131
1.702394	2.244288	1.797647	2.258791	0.808279	-2.19335	1.31771	NA	1.947877
2.423952	1.330174	0.443527	0.206202	1.868915	0.013959	1.517568	2.323304	2.306446
2.579937	2.601407	1.588525	2.501551	2.137983	-1.31346	2.146844	1.689323	1.825737
1.284655	3.256722	3.093318	0.61119	1.107068	NA	-1.03482	1.951706	1.864879
2.867048	3.314645	1.801666	NA	1.165478	-2.01087	0.927701	0.831875	0.572101
-0.04005	1.328026	1.840805	0.936142	1.111862	-0.44098	-0.05486	2.24172	0.976691
1.627809	3.083082	1.360032	1.360935	0.15735	-0.39903	0.236869	0.948827	2.218337
0.605688	3.481912	1.168099	0.411726	-0.11835	-1.08732	1.248448	0.600146	1.051859
2.697269	2.56388	1.80991	3.204571	3.494187	-1.66173	4.309152	0.853994	1.640793
NA	0.552703	3.637467	2.333492	2.948286	-1.59458	1.679753	2.460756	2.335648

0.724127	2.600273	1.6965	1.457851	NA	-0.97407	-1.18956	NA	2.907974
0.722646	2.610255	1.573042	1.650581	-1.22628	-1.27601	-1.35206	2.085439	2.613715
1.160631	0.864069	2.178813	2.444639	1.844577	-0.86369	0.303037	3.732229	1.723693
-0.15017	1.111726	1.020021	NA	0.349716	-0.21674	0.410867	2.549666	1.907233
2.082202	2.303875	2.023978	1.684501	1.54565	-0.00433	1.443398	1.476495	2.004054
-0.11826	2.601307	1.838001	1.401583	0.686154	-0.51168	-0.37269	2.325244	2.818306
0.104691	1.433463	2.419735	0.398664	-1.01673	-0.66813	-0.60296	2.01403	2.313899
2.407738	2.298239	2.648278	1.793184	1.994525	0.124066	0.02187	1.443875	1.271188
1.608886	1.748718	3.092978	2.077363	2.300627	-1.38793	1.691365	1.705778	2.243531
1.705589	1.360473	1.229321	1.816092	4.130605	-1.35761	4.758021	-0.17314	1.700564
1.375126	3.41783	0.298892	0.349078	0.273955	0.095125	0.296623	4.046338	0.890812
2.108804	2.507633	2.09152	1.785384	3.332314	1.644949	2.456549	0.107207	2.665343
2.292431	2.70538	2.856514	NA	1.931977	-2.21854	1.799273	1.798283	1.637622
1.816243	2.010333	0.530724	0.56593	3.664384	0.30847	3.573434	1.9346	2.098087
0.897284	2.718838	1.286286	1.317343	1.303816	-2.82283	3.404451	1.115489	0.323858
1.376512	1.864793	2.690278	NA	1.089659	-2.9179	0.058754	1.55187	1.689934
1.257509	4.146379	0.960648	1.46234	0.724465	NA	1.42295	2.284576	1.88684
NA	2.309734	2.641355	2.083267	-0.7254	-1.2522	-1.44477	2.067801	0.990676
1.219335	1.184654	0.495136	NA	-0.25915	-0.43926	0.942023	2.046833	3.401067
2.518086	2.650658	2.926443	1.932098	0.69344	-1.38693	0.088543	0.776554	1.339392
2.752294	2.051688	2.436016	1.121528	1.873365	-1.21653	1.900588	0.960378	1.699146
1.666328	2.716681	3.298114	1.349424	0.150712	-0.14544	-0.018	2.404967	2.610735
1.673332	2.626664	2.912025	NA	1.066954	-0.77613	0.799693	0.876089	1.862714
4.453859	2.370572	-0.63406	0.7977	0.140208	-0.27043	-0.03245	2.328063	2.745045
1.9494	3.860148	3.286041	-0.00188	-0.7552	-0.17516	-0.53673	0.983541	2.837684
1.362574	3.08227	1.202115	0.398033	-0.1294	-0.46468	0.396021	1.707304	2.072283
2.438771	2.108391	2.656452	1.365616	2.091532	0.039347	0.691525	1.781941	1.935562
1.751523	1.900347	2.655555	1.917324	NA	-1.1671	0.676546	1.531958	1.024668
2.409076	3.265382	2.860025	1.265804	2.791769	-2.77444	1.606191	-0.32508	0.410934
1.969428	2.72152	2.373464	2.09391	2.963421	-1.37561	2.223819	0.695359	1.252792
3.048512	2.76896	2.026196	1.983175	0.213995	-1.81628	0.072946	1.778101	2.62724
-0.46422	2.385355	1.123052	1.608071	-0.94647	0.197573	-0.64198	1.069032	2.315368
2.29556	NA	2.391442	2.0419	1.781437	-0.2331	2.4184	0.990756	2.291031
1.36836	2.621192	1.671326	1.56282	1.548867	-1.88877	1.44346	2.285712	3.262628
NA	2.232086	1.243897	1.503608	-1.13788	NA	-0.60154	1.198698	1.853588
1.427031	2.831964	1.463159	2.42406	-0.55932	-0.9031	0.879827	0.971491	1.909509
0.525107	2.535425	1.582101	0.88086	-1.28476	-0.85029	-1.08701	1.34621	3.265201
3.485992	1.342514	0.56828	-0.05028	-0.00599	-0.52063	0.160414	2.547439	2.855763
3.156433	1.475517	0.13657	-0.27742	0.127909	-0.00809	0.413063	2.971673	3.291504
3.179905	1.466226	0.423919	1.476411	0.272645	-0.24136	0.411404	0.216433	3.072462
1.388249	2.404035	2.446351	1.317141	2.471166	-0.07534	2.091145	0.430177	1.109069
1.798776	2.195344	1.743868	1.414639	1.37265	-1.84108	1.45638	1.258003	1.796158
1.854205	2.653857	2.126389	1.528	1.999009	1.06049	0.921598	0.915108	1.818922
0.935728	2.135979	2.216305	2.071244	-0.10629	NA	-0.30946	0.970776	1.867634
1.652322	3.58228	2.941932	-0.58946	1.606211	-1.03862	1.880855	1.005296	2.356605
1.929567	2.503928	1.102953	NA	1.105942	-0.67436	0.980213	1.525954	1.378789
1.273781	1.722519	1.751177	0.996807	0.500038	-1.41196	-0.09176	2.305009	2.833893
3.590568	1.646895	0.925065	1.024001	0.856224	NA	-0.90161	2.42282	1.874586
3.173621	3.821625	1.948812	2.043388	1.804512	-1.07746	2.772908	0.504876	2.07153
1.972504	2.148859	1.825355	1.401719	2.867162	-0.57036	2.923774	1.588208	1.7915
1.639556	1.45892	1.930043	1.510589	1.487972	NA	1.605352	1.260569	1.747875
1.192325	2.114555	2.390591	1.866292	1.887331	-0.71039	-0.72795	1.142101	0.896971
0.924228	3.490348	2.045062	0.276016	0.118344	0.00205	0.283442	1.691209	2.365602
2.210416	2.906653	1.892156	1.052836	2.169753	0.539962	1.738147	0.289354	1.009945
1.839548	2.594686	1.562782	1.582249	1.126001	-1.47138	2.43314	0.728324	1.314562
2.972507	2.334583	-0.43373	2.596753	0.236595	-0.38153	0.386346	2.157684	2.451129
-0.41171	1.88275	2.552642	0.581337	1.330146	NA	1.261466	3.272018	0.324873
2.45147	1.865622	1.350452	2.066616	2.576099	-2.05334	2.986148	0.934534	1.146557

1.390945	2.250659	2.676902	1.623087	1.964754	-1.28869	-0.92828	0.978264	0.641151
0.348007	1.964442	1.881447	1.235366	2.264702	NA	1.802297	1.964452	1.69538
NA	2.063336	2.978814	0.589581	2.195262	-2.50003	0.987265	1.017752	1.222522
1.451541	1.513084	1.499508	0.377612	NA	-0.52706	0.075219	1.528105	1.054857
2.180347	0.881505	1.608596	1.508201	1.955302	NA	2.892169	0.60219	1.423718
1.746724	2.768001	2.590979	0.641684	NA	-2.21989	1.993834	0.202386	0.235897
1.720963	1.636798	2.01683	1.52263	NA	-1.22657	-1.10619	0.85132	1.552572
1.001268	2.705349	0.53827	-0.15384	-0.25379	NA	-0.51057	1.160159	2.15808
1.094928	1.968277	0.690558	2.502877	2.839628	-1.72361	3.3538	1.617607	1.693591
1.310189	2.576318	1.619137	2.30309	-1.11283	-0.75172	-0.08327	1.112417	2.250745
1.471539	2.117608	1.364371	1.50388	1.026289	-0.34737	1.427073	1.097108	2.091236
0.519445	2.305454	-0.13613	0.210389	-0.2011	-0.3774	0.420463	1.814062	2.266813
1.09085	1.860986	2.302567	3.185148	1.653171	-0.49575	0.840136	2.21047	2.557894
2.657238	3.164481	0.865949	0.618182	-1.49285	-0.73721	-0.89296	2.582493	NA
1.619796	2.594571	2.090812	2.332564	2.784876	-0.47974	1.289353	1.565338	2.443592
0.733111	1.983048	0.556084	0.485893	0.288404	0.070737	0.336991	2.632949	1.754053
1.490846	1.867654	2.189767	2.285184	1.026317	-1.78891	0.879993	0.807555	0.827805
2.873206	2.537136	2.886556	1.297698	1.674284	-0.17025	0.811255	1.158413	1.177831
0.996487	2.539613	2.634634	0.500138	-0.52182	-0.35221	-0.84551	3.241569	2.730695
3.093549	2.855916	2.544206	1.767278	1.152057	0.149895	-1.14107	2.716268	2.394402
0.776431	2.067325	1.291294	NA	1.12973	-1.35181	2.136998	1.66569	2.229685
1.253678	2.290082	1.482251	NA	1.060723	-0.68675	1.593683	2.615774	2.110936
1.160704	2.455743	1.01124	NA	1.241899	-1.20561	1.821724	1.101519	2.880636
1.135489	1.80374	2.193908	NA	2.681848	-3.40475	1.863931	2.122666	1.507396
2.208257	1.733468	1.946041	1.692088	0.530652	-2.57211	0.968805	1.940405	1.760049
1.143065	1.97413	2.197367	1.305888	0.567951	NA	-1.17593	1.100059	1.574883
2.321348	2.066041	1.627204	0.802163	1.543125	NA	1.325304	1.946109	1.906933
1.434734	1.997503	1.789396	1.813723	1.105699	-1.03719	1.413289	1.526385	2.095436
3.065401	-0.0834	0.405584	0.217264	0.276144	NA	1.219965	3.269568	4.13045
0.837159	1.735374	1.58918	2.352469	-1.46023	-1.29598	-1.29145	2.09405	0.551203
3.686801	NA	0.732732	0.393326	0.041055	0.853546	0.057055	2.701506	2.924561
2.783157	1.330737	1.083	0.122487	1.465323	-0.79112	1.001486	2.41328	2.479751
1.954998	2.82386	2.904904	1.086295	0.960372	-0.29948	0.012426	2.045554	2.467008
0.894626	2.488109	0.909947	NA	1.342813	-1.45187	0.674187	2.21389	2.252278
0.968049	1.973426	1.157885	NA	0.154163	-0.21978	1.392821	2.036658	1.873299
1.522014	2.011849	1.888554	2.026386	1.175602	-1.46681	2.078275	2.407828	1.63721
1.172499	2.280421	1.64062	2.948315	1.843136	-1.90313	1.777851	1.193671	1.193183
1.87801	2.42594	1.735678	2.675634	NA	-1.53518	2.644778	1.016752	1.608897
0.775078	1.20699	1.647439	NA	-0.70709	-0.64762	-0.36925	2.002601	0.85825
0.871945	1.922318	0.226113	NA	-0.58543	-0.44279	0.045966	2.008692	2.775602
2.261931	1.398649	1.900146	1.923087	1.50816	NA	2.440289	1.245263	2.85479
0.604029	1.684021	2.019692	1.806552	0.090813	-0.6402	2.988721	2.108438	2.142357
1.142597	3.249714	0.313396	0.19032	0.15555	-0.3413	0.304033	1.338878	2.518053
0.003096	1.639194	1.712071	0.318587	-1.04486	-0.69477	-0.43551	1.463556	1.058295
1.831218	NA	0.190164	1.947535	2.819609	2.155103	3.517862	1.541179	1.460517
2.067534	1.890967	1.223084	1.225633	1.570232	-0.11373	1.804416	1.424031	1.975244
1.111602	1.432233	1.652676	1.843012	2.281827	-1.10475	1.969511	1.754014	2.255296
1.60399	1.891825	1.230284	2.574504	1.738942	1.812301	2.457556	1.04416	0.855994
2.834445	2.966424	1.654432	2.764055	NA	-1.033	2.659195	0.547588	1.372461
1.49735	2.81665	0.290749	2.756673	1.371265	-1.68654	1.881936	1.152858	2.246814
1.406988	2.134271	1.517739	2.229788	3.33048	-1.53228	3.480777	0.862003	0.385591
1.272502	1.867485	2.127432	2.078083	2.445885	-1.99703	3.031265	0.877706	1.623594
-0.33968	1.821762	2.593311	1.156912	1.357113	-1.24777	1.102928	1.374772	1.499308
2.692543	1.841418	0.24344	1.119684	4.632669	NA	0.228874	0.907662	1.239338
0.749126	1.890279	2.048958	1.757602	-0.53212	-2.73349	-0.4836	1.441941	1.844339
0.924807	1.85259	0.381728	0.704486	1.471667	-0.56503	1.9627	1.633487	0.884358
2.306368	2.65192	2.476688	2.337534	2.290426	-2.39477	2.366645	0.536083	2.14278
-0.31084	1.630195	0.754125	1.066498	-0.29819	-0.36669	0.126073	2.144769	3.036387

0.278988	3.176084	0.473365	0.462405	0.360723	0.359601	0.107499	1.335841	1.256494
1.576143	2.562274	1.71158	2.407766	0.8327	-1.19275	2.288872	1.244867	2.764519
1.915061	1.947346	2.52174	1.418127	0.023882	-1.3227	-0.80074	1.090665	1.733728
1.578864	2.411225	2.024834	2.243525	0.404551	NA	0.785412	1.890842	1.630649
0.880985	1.726249	2.511619	1.822104	NA	-1.3133	1.268637	0.90818	1.900024
0.981736	1.79464	1.282949	1.530126	0.084082	-1.0855	0.947918	1.917289	1.723183
2.513957	1.50673	2.408875	-0.94085	0.452346	-1.0375	0.532198	2.53141	2.019112
1.028178	2.697427	1.390797	1.971324	2.396533	NA	1.721237	1.531288	2.365335
2.823836	1.311422	2.48053	NA	2.165545	-2.31956	3.352751	1.07934	2.028264
1.285693	1.778236	2.04798	1.337491	1.405997	-2.42179	1.537748	1.246716	1.700622
1.648754	1.792675	0.207519	1.327469	-0.64103	NA	0.439743	2.223314	1.269028
1.383667	2.170546	2.421568	2.733812	1.943777	-2.04016	1.63551	1.737682	-0.19959
1.711238	2.04095	2.337435	1.792245	2.438629	-0.43077	2.13773	1.418898	1.021293
0.936554	0.586245	1.421001	1.247688	2.222163	-0.94173	1.550512	1.90307	2.536314
1.576943	1.685631	1.629518	0.193585	0.459382	1.604713	1.682783	2.429273	1.761563
2.486279	1.398313	2.532252	1.736922	0.991795	-1.19943	2.005526	1.280429	2.924493
1.043048	-0.21451	0.517326	0.879943	NA	-0.39241	0.434876	1.791049	1.988714
1.345612	2.406427	1.828206	1.233277	0.462073	-1.03475	-0.39375	1.901158	2.190483
0.634791	NA	2.054929	NA	0.634629	0.151136	-0.13331	2.533795	2.348446
1.865897	1.344148	1.833332	1.644162	1.829512	-2.04523	1.534027	0.536982	1.272448
2.003158	2.447233	1.860978	2.288303	2.858556	-2.0238	1.810966	1.503569	2.411195
1.160088	1.489013	1.141893	0.74692	-0.22167	NA	0.181128	1.149962	2.001869
0.531971	2.265416	2.0917	0.920671	1.105572	-1.35651	0.504399	1.028346	2.395782
2.223039	1.686072	1.986189	2.088611	0.779298	1.354369	1.297299	1.045257	2.966098
0.995551	1.868052	1.370741	1.388716	1.155044	-2.71327	0.927698	1.5743	1.747813
NA	2.072916	2.322378	2.825047	1.741317	-1.14302	2.029868	0.214597	1.797066
1.979795	0.882757	2.11476	0.48626	1.864851	-0.76625	2.520751	0.864021	0.631705
0.591662	1.339718	1.241271	NA	-0.71692	-0.51137	0.014148	1.106345	2.378194
1.993175	1.59386	1.882541	NA	1.063722	-0.93223	2.127871	0.856284	1.664216
-0.04184	1.132188	1.623126	1.188058	0.032552	-0.37308	-0.37281	1.99567	2.399087
0.607715	NA	0.799882	1.917271	1.794675	2.515425	2.698185	2.61066	2.164868
0.541789	2.269986	2.533984	1.124394	NA	-1.98917	1.863389	1.453722	1.408637
1.491818	1.69506	1.795732	2.122109	2.852749	-0.98307	2.722489	1.985998	0.945162
0.066804	1.512938	1.751189	1.028352	0.144872	-1.0473	-0.70412	2.168344	1.686559
0.983688	1.49999	1.952695	1.648633	0.884361	-1.11983	1.061063	1.979344	2.680668
1.445042	0.876503	0.254962	2.553806	1.39916	-0.20104	2.149276	0.470252	2.072598
0.437491	1.973164	2.158214	1.234082	0.303624	-1.86692	0.035679	1.926487	2.469454
NA	2.65392	2.049213	1.735466	0.988571	-2.4449	1.981483	1.320941	1.755535
1.808796	1.514408	2.060741	NA	2.778778	4.526236	3.744507	0.517814	1.361629
1.028997	1.783784	1.739298	1.717664	2.154827	-1.62006	0.635612	0.909158	1.553115
1.303258	3.263973	3.16783	2.825584	3.827894	-1.6226	2.673207	2.238354	1.418174
1.175868	1.19992	-0.25547	1.950523	0.426169	-0.9958	0.389473	1.305038	1.850669
2.404692	2.666852	0.764734	2.079823	-0.45282	NA	-0.43604	1.525583	1.973168
0.505998	1.742019	1.401152	NA	1.063612	-0.90856	-0.80546	1.318823	1.82873
2.136926	1.612968	1.541209	2.203409	1.640792	3.574716	3.15927	0.794954	1.6588
0.878158	2.396969	2.056868	1.293964	0.89035	-1.53498	0.845562	1.390589	0.629135
1.743245	1.79727	0.676852	0.562828	0.37949	0.165922	0.363731	2.483585	-0.59474
-0.70688	1.116913	0.428687	NA	-0.16148	-0.19219	0.253626	2.073098	1.824437
1.874501	1.844221	1.461679	1.922771	2.04546	0.680736	2.015704	0.608061	1.759996
1.171045	2.764521	2.024506	1.147487	0.428478	-1.12672	-0.11176	0.877932	2.050611
1.429643	0.795302	1.236719	NA	1.594907	-1.05926	0.634984	1.217977	1.756585
0.598846	2.234091	1.284576	1.498503	0.335312	-0.71739	-0.22325	1.365971	2.570838
1.582125	3.070453	1.5434	NA	2.033969	-0.65437	0.329804	2.549483	2.953317
1.921309	1.29996	2.324215	NA	3.529799	0.222429	2.061409	1.696398	1.345081
1.835429	2.593072	1.513017	2.960734	2.724596	-1.19438	2.18579	0.927072	1.226689
1.249727	2.957627	2.766872	1.264311	1.214346	-0.91682	-0.28469	1.529953	0.264938
1.110509	2.385976	3.140307	1.59231	-0.86648	-0.81159	-0.04588	1.460449	2.45654
-0.32549	1.76425	2.135582	0.336255	0.556787	-0.01899	0.242268	2.046541	3.449246

1.245891	1.277952	1.955328	1.612642	1.079204	-2.7752	0.792407	1.096262	1.226997
-0.92503	1.658172	0.183102	-0.04162	-0.87766	-0.46312	-0.32329	1.774774	2.214744
0.130855	1.859466	2.303456	2.578971	1.901811	-1.57827	-0.4444	0.278462	2.30609
1.907966	2.421983	1.739204	2.031279	0.338923	-1.07662	1.673744	1.750612	2.759282
2.753036	2.18716	3.059027	0.1118	1.433732	-1.63195	1.561464	1.325574	2.27318
-0.39913	2.385903	1.954079	0.118892	NA	-0.52231	-0.15536	1.421145	2.212655
0.945201	2.479209	2.235335	1.53041	NA	-0.41637	0.380394	0.876883	1.799329
0.510216	2.681148	2.551113	1.24137	1.368737	-0.85953	1.033021	1.841478	2.098002
2.411404	2.763002	1.707649	NA	0.947841	-0.60448	0.126416	1.155177	2.556433
0.909465	0.910766	1.167732	2.025478	1.346308	-1.18308	2.75214	2.105611	1.767111
1.910766	1.062873	1.532768	0.389061	1.72957	4.074415	1.653478	1.389856	0.684575
1.148709	2.913086	1.661138	3.016121	1.48377	-0.00274	-0.15589	2.058429	2.55824
1.319315	2.495656	1.726301	1.514271	NA	-1.43773	2.473275	0.432995	1.621163
0.06691	2.091267	1.060314	0.61455	NA	-1.25845	-2.33694	2.713947	2.894162
0.187956	NA	1.63769	NA	0.84303	-1.63597	-0.69294	1.33766	1.631069
0.830471	1.834665	1.758401	1.697337	0.487711	4.308337	0.835225	1.544783	1.691932
1.792613	2.441953	0.620312	0.48322	1.851088	5.46738	1.136624	1.192592	2.342002
1.496854	1.81884	2.100307	2.094674	0.131851	0.252811	0.451225	1.809457	2.310885
1.299252	2.428944	1.726537	1.810936	3.194376	-1.13143	-0.48436	0.672345	1.123892
0.915228	1.67268	1.700247	1.45008	-0.23957	-0.78593	-1.07715	2.023636	2.764969
1.900346	1.865893	1.205486	1.232612	1.625333	NA	0.793107	1.778775	2.224424
1.300842	2.46988	2.922067	NA	0.663624	-0.81387	0.725465	1.062606	0.846258
0.727764	1.592173	1.319513	1.37068	1.883379	-0.17047	1.806077	1.077887	1.740905
1.079822	1.73638	1.587241	2.226668	3.136877	0.629608	3.490748	0.210571	0.363387
2.326365	1.359707	0.16561	2.058636	1.394954	0.788301	0.970766	2.143142	1.726083
1.026342	1.592444	2.016139	0.865979	NA	-1.18021	0.475094	1.624134	1.84328
NA	1.867242	1.158714	1.182675	-0.66727	-0.55975	0.446788	1.293455	2.222721
0.831888	1.888218	1.376639	NA	1.703015	-1.91426	1.350956	1.690833	2.066689
0.664896	1.864056	1.453357	2.157666	2.41598	0.641752	2.607612	1.245298	1.418161
0.591041	2.259282	1.554419	2.357993	2.076188	-1.04812	1.550751	0.383544	0.914144
2.025509	2.664888	3.130448	1.2407	0.663409	-1.4523	1.095503	0.358465	1.814043
-0.24606	2.362934	2.147061	1.718726	-0.28425	NA	-0.87255	1.892932	2.033374
1.594925	2.25753	3.428358	1.937459	-0.34334	-1.77515	-0.41887	2.241008	2.482747
2.15392	0.746056	0.862001	0.429804	0.418989	0.2589	0.406298	2.820549	3.706476
0.226037	1.572884	-0.57079	0.151328	1.116513	NA	-0.55316	1.860007	3.284381
1.756857	2.953878	-0.00451	0.56596	3.544036	-0.86124	1.760276	1.860262	0.754236
0.291948	1.602639	1.906885	NA	1.257167	-1.28811	-0.31843	1.258476	1.887897
2.75479	0.246977	-0.35102	0.255126	0.398976	0.049893	0.515147	2.71652	2.146343
2.374511	2.962608	1.077222	2.481134	2.521446	-0.98674	2.58572	1.462791	1.67705
0.673203	0.923382	1.091429	1.648297	2.017318	-2.42998	1.780576	1.353166	1.97346
1.183231	1.195697	1.816932	0.814717	-0.31197	-2.24952	-0.0792	1.446345	1.528698
0.274623	2.055907	2.50825	1.256798	-0.01784	NA	-0.7589	1.357497	1.060742
0.743911	1.880303	0.79592	1.609656	NA	-1.35547	2.118389	1.437865	1.618178
1.037255	1.822828	1.372928	2.021924	1.210906	-1.349	1.635479	1.874854	2.243144
-0.14622	1.302692	2.934707	-0.22465	0.079285	-1.35057	-0.60839	2.70652	1.277129
1.137424	NA	1.666771	1.41724	2.874796	-1.14376	2.117205	0.199948	-0.0343
1.574754	1.549552	2.992427	1.914162	2.681547	-2.44517	1.553499	1.270012	1.783715
NA	1.927956	2.32656	1.98429	1.131327	-1.58918	0.168208	1.280751	1.646054
-1.09881	1.445767	1.488486	1.726397	0.406841	-0.85974	-0.17813	1.059003	1.578976
1.359391	0.575285	1.279077	1.0499	0.787501	-0.51875	0.330523	2.202351	2.760177
2.490045	1.785748	1.804445	NA	1.385463	-1.06074	0.626286	0.94163	2.529017
0.845957	3.089598	-0.57685	0.179905	0.061216	-0.22556	1.389902	2.213157	0.981562
2.064641	1.341715	1.165914	1.579558	2.915764	-0.27723	3.00135	1.226962	1.841548
1.070932	1.689827	1.124579	1.058204	0.947389	-2.03647	1.204926	0.872709	1.600637
0.960563	1.759079	1.847938	0.712161	-1.06536	1.319107	-0.95069	1.307484	2.194461
0.407643	2.047233	1.885321	1.760487	NA	-1.53106	-1.64678	1.146083	1.688091
1.615896	1.968813	1.90717	1.575591	1.416267	-3.59749	1.092051	0.477324	1.172717
0.804915	2.05214	2.410033	1.035401	-0.97618	-1.23102	0.619325	1.410443	2.074204

1.034454	2.966322	1.931698	0.168754	0.266788	NA	0.286854	1.357026	1.376938
0.260504	1.814047	1.6814	0.274689	0.982182	-0.98216	1.532192	1.800775	2.041876
0.867377	1.941456	1.325032	1.989874	0.976593	NA	1.312925	2.260244	2.273078
0.931196	1.555874	1.292999	2.034373	0.021371	-1.32147	-0.17784	1.718145	2.080487
0.696078	1.579645	0.340485	0.789804	2.020106	-1.10274	1.615887	1.70183	1.507121
1.342386	1.713872	0.992098	NA	1.455991	3.067757	1.464582	1.803674	2.131654
2.327212	-1.42418	2.427211	2.485702	2.291847	-1.77454	1.561081	1.12778	2.827441
NA	2.151379	1.69946	0.160126	-0.05715	-0.54411	-0.1208	1.468628	2.900524
0.682677	1.30251	2.72596	1.280772	0.58644	NA	1.312138	0.696391	1.718866
0.776638	2.632933	1.925008	2.363756	-0.77711	-0.48126	-0.39567	2.66887	2.125779
1.763125	2.077784	1.557184	2.058007	3.463563	2.61205	5.406186	0.331842	0.098174
NA	1.799672	1.703086	1.890554	1.334697	-2.0007	1.781574	0.966517	1.834334
1.260134	1.642633	1.351631	2.059776	1.299508	-0.70957	2.055439	1.33311	1.777275
1.840496	-0.19556	1.388341	1.618953	2.420275	-1.55011	3.025962	1.74472	1.587422
1.974591	2.395262	2.519857	0.676844	1.653725	-1.71638	-1.16936	1.610402	0.87958
1.439468	1.885431	1.498508	NA	2.834686	-1.84173	1.69966	1.280816	1.59611
1.380319	2.315193	2.001055	1.448139	2.416812	0.489384	1.44507	0.888202	2.281847
1.382652	1.231207	1.745219	2.070433	0.94226	-0.64637	-0.56286	1.40753	2.211376
0.182487	1.543199	1.460621	NA	-1.12127	-0.54856	-0.80081	2.002221	2.483116
0.795001	1.101579	1.040299	NA	-0.69675	-0.4992	-0.02818	1.434085	1.031081
0.647326	2.268141	1.616752	1.350244	0.230204	-2.50101	-0.08356	1.493547	1.698988
1.133115	2.187135	1.84731	2.294856	2.133228	-1.51522	0.422144	1.423864	2.020619
1.748664	NA	1.786291	NA	1.764818	-1.42827	1.178343	0.370952	0.746644
0.989608	1.520922	2.558501	0.990006	1.334754	NA	0.222248	1.171202	0.957297
0.223903	1.768263	0.702477	1.005394	1.119549	-0.02181	0.42914	1.869228	2.423335
0.497732	3.574596	0.474654	0.434492	0.329389	-0.10895	-0.01212	0.37704	1.603113
0.650954	1.630342	1.566048	1.488564	1.652559	-0.39954	1.456734	1.124258	1.580214
0.267929	1.614956	2.366173	1.238434	2.17045	-1.26237	0.553755	1.255501	1.761375
0.431051	1.602323	2.751464	1.434462	0.129614	1.757011	0.018008	1.881985	2.081211
1.096569	2.928669	0.425829	0.443474	0.417241	-0.11989	0.264983	2.156373	2.719915
0.453583	1.574844	1.351462	1.254786	-1.1108	-0.68351	-0.83872	1.835944	1.536124
2.023272	1.780457	1.367695	1.935885	2.264777	NA	2.647715	1.681411	0.484688
0.611925	2.064506	3.349992	2.058656	1.435653	0.619039	0.869368	1.915773	2.105171
2.105843	2.241815	1.861989	NA	1.960621	-0.73502	-0.06629	0.399386	1.459203
NA	1.165965	1.517863	-0.18817	-0.48607	-0.41982	0.161441	1.407114	2.944104
1.441353	3.286758	1.276022	0.447033	0.253545	0.071654	2.322864	2.456247	1.577511
2.591613	1.136207	2.242766	NA	-0.5827	-3.13585	0.302707	1.476555	1.859939
1.393115	2.305729	1.62341	1.203994	0.364972	0.646156	1.455023	1.231524	1.373882
0.802187	1.787167	2.039596	1.309094	NA	-3.0194	0.933117	1.226326	1.483926
2.191052	2.240606	1.849527	NA	0.703051	-3.3291	0.766586	0.897213	1.417883
1.53944	2.248466	0.119981	0.679066	0.046102	-0.19048	0.575475	0.971252	1.997264
1.289143	1.510646	2.43776	1.091573	-0.00023	-3.18472	-0.75384	1.328081	2.089858
-0.66991	1.549257	0.951665	NA	-0.33673	-0.45293	0.00467	2.068419	2.461683
0.923163	1.938514	2.080937	1.329168	0.458512	-2.51033	0.9141	0.864732	1.9541
1.375628	1.748581	0.403029	0.449617	1.136337	-1.34043	0.520175	0.856607	3.195893
NA	1.320731	1.987881	1.986706	3.036136	-2.05259	1.46483	0.380133	0.504823
1.093945	1.206611	0.526999	NA	1.792993	-0.19086	0.011635	3.289272	3.382689
2.149162	2.497736	0.348129	1.615997	0.475409	-0.97512	0.035291	0.700027	1.280672
1.478839	1.992736	1.019625	2.04259	1.477146	-1.22159	1.168276	1.292045	1.459659
NA	2.361135	1.162164	1.249759	-0.58884	-1.1445	-1.49069	1.646963	1.22462
0.631378	1.76149	1.576591	1.762389	2.845438	-3.00209	2.009937	0.977571	1.296422
2.038387	2.235181	-0.5483	2.700296	0.410586	-0.83746	3.471738	1.430682	1.329073
0.435354	2.199525	1.16033	1.540625	0.025826	-0.05566	-0.03777	1.93865	3.578059
0.299407	1.809091	1.021904	2.991485	0.659966	-0.52674	-0.2818	0.764176	-0.78859
-0.02049	1.151982	0.370989	-0.25554	-0.29435	-0.49467	0.141456	1.280403	1.137563
1.556666	NA	-0.2273	0.939266	1.429327	-1.81097	2.0135	1.67456	2.013313
-0.05498	2.029421	1.135924	0.821397	-0.84295	-0.55673	0.794738	2.077496	2.201643
1.026315	1.947681	2.977367	NA	0.700869	-0.96757	-0.71438	1.436124	1.676801

1.576279	1.709077	2.477033	1.6401	1.998192	-3.85013	1.177421	0.519124	2.076304
2.010602	1.312492	0.247056	0.268602	1.066984	0.140458	0.640256	3.263989	1.137577
1.670391	2.733292	0.945024	1.413532	0.179777	-0.59734	1.45774	2.503707	2.106203
0.514763	2.159765	1.415628	0.896626	-1.00157	0.150974	-0.61505	2.32319	1.999143
1.286864	1.887685	2.260731	1.442798	0.907559	-1.68871	0.095874	1.418992	1.47607
0.663777	2.107689	2.118157	2.063982	1.441874	-2.46263	1.0608	0.713369	1.106264
1.37349	2.258317	1.475214	2.158747	2.19358	-0.83645	1.943632	0.855888	1.896889
1.891278	1.790078	1.154643	1.68843	2.658404	NA	2.178809	0.004803	1.761475
0.546835	2.34871	1.496208	1.177975	1.747005	NA	0.47594	1.784168	1.657997
1.36761	1.500792	1.30188	0.842304	1.04608	-1.25769	2.119004	0.717171	2.091109
NA	1.765201	0.921097	1.254371	0.113687	-2.40804	1.644344	1.475175	1.924584
0.603369	2.226566	1.517729	1.22292	1.267163	6.863186	2.301811	1.193931	0.390621
1.706537	2.820531	0.832938	1.626652	2.315926	1.125257	0.909738	3.192097	0.862188
NA	1.172923	1.444556	0.61787	-0.19509	NA	-0.50163	1.601238	1.254739
0.414851	1.605604	2.153214	NA	-0.4976	-0.34125	-0.56876	1.454685	1.648733
2.582325	1.443184	1.667765	1.966241	1.21172	-1.07111	1.044333	1.689405	1.9585
2.73618	2.805474	1.768825	0.330934	0.539477	-1.61717	1.897124	1.599031	2.079709
3.671604	0.827223	0.123773	0.21702	-0.12188	0.007827	0.25309	2.577222	3.811067
1.006318	3.0869	2.822394	NA	1.106917	-2.51514	1.098747	0.400416	1.972059
1.173296	2.249386	1.401011	1.693322	0.152448	0.783209	0.071224	2.244492	2.553826
1.10988	2.107237	1.035046	2.073365	-1.10002	-1.44215	0.187132	0.508791	1.953067
1.062435	2.31994	2.365862	0.931195	0.683248	-0.36713	2.377687	1.163441	1.32964
NA	2.666766	1.510452	1.040072	0.749101	0.54257	0.74504	1.221828	2.003414
1.153623	1.829075	2.208435	1.140445	-0.22033	1.020933	-0.07197	1.882925	1.89252
0.495236	0.71673	2.701759	2.360961	1.956758	-1.30871	1.13043	1.986733	2.28082
0.38747	0.403793	1.48522	1.858734	0.514957	-0.23905	-0.05491	1.257034	2.394839
0.798448	1.988187	1.987596	1.84382	-1.29583	-0.71929	-0.31193	1.328297	1.917039
2.106486	1.822725	0.889384	NA	-0.25018	-0.63693	-0.22143	1.511007	1.846342
1.092335	2.029727	2.393827	1.828046	0.341649	-1.82633	0.131203	0.470793	1.311771
-0.16125	1.894181	1.210673	1.457516	-0.06302	-1.87608	-0.49479	1.214487	0.959141
NA	0.787891	2.581063	0.83581	-1.01006	-0.75737	-0.73127	1.03804	2.056464
2.579243	1.823865	2.543228	NA	NA	-1.08995	1.148552	0.376924	0.319372
NA	2.585218	1.836501	1.527352	1.327857	-1.72505	0.200389	0.527008	1.77155
-0.51887	1.533748	1.727376	0.641761	-1.40554	-0.97602	-0.82609	2.208347	1.499646
1.219689	2.507491	1.63461	0.034235	2.321241	-0.12061	-0.73267	1.125924	1.9671
0.032056	2.851673	1.776776	0.24542	2.406608	-0.72156	0.151747	0.298103	1.597339
1.96393	1.172119	2.62408	1.911825	2.973767	-1.81972	-0.84565	1.541048	2.099874
NA	1.586062	1.552998	1.728109	1.333784	NA	0.70812	1.618079	1.530255
0.347648	1.13977	1.066328	NA	1.489213	-1.46424	2.387698	1.560684	1.154159
0.959264	1.651945	2.204257	NA	1.960643	-0.14751	0.325421	-0.5586	2.69887
2.598172	0.552537	1.627527	0.461584	0.170782	-1.63753	0.423228	2.057197	1.897
0.715747	2.372257	1.607202	0.80248	0.671239	NA	0.96871	-0.10237	0.92491
0.238799	1.71226	0.454918	1.023194	-0.22356	-0.79274	-0.55483	0.821554	0.09346
1.727903	1.341056	0.603456	1.040779	0.157418	-1.15182	0.175595	2.874726	1.340332
0.411492	2.129156	1.871964	0.393859	0.878889	-0.32529	0.16231	1.451513	1.874343
1.977764	1.943805	NA	0.698652	1.223003	-0.33687	-0.41255	1.320793	1.965096
0.830178	NA	0.634773	NA	1.455688	-1.35386	-0.14532	1.785136	2.695241
0.900503	1.667461	0.661301	2.05757	2.548699	-1.90701	4.399831	1.012459	0.781373
0.976931	1.932067	1.279615	0.886768	0.114426	4.587873	1.002974	0.930884	1.366512
1.636947	1.847808	2.255917	1.072662	1.329824	NA	2.543777	1.004994	1.356642
0.965618	1.579437	1.794613	0.424605	-0.41722	-0.25767	-0.26081	1.697803	1.141925
0.713958	1.584203	0.224814	-0.71038	2.839301	-0.86044	-0.14951	1.663085	1.019863
0.7005	NA	1.278763	2.305986	0.947353	-0.78826	1.650362	1.56108	1.942017
1.147952	1.399023	-0.15883	1.554463	-0.93652	-0.3295	1.15698	2.188731	1.638186
0.409452	1.885297	NA	0.823254	-0.30411	-0.72333	-1.07162	2.049196	1.95851
1.438413	2.007123	1.693111	1.661076	1.114246	-0.29907	0.791408	1.132883	1.488363
1.538686	1.922715	0.989458	NA	1.944061	-0.62899	1.161039	0.638263	3.1771
1.533319	1.568982	1.967502	0.92296	0.564215	-2.90212	0.130834	1.802418	1.86277

3.481684	1.818369	0.439931	1.191128	0.586089	-0.24273	-0.08974	2.19461	2.251703
1.00459	2.794329	1.546213	1.465041	-0.49301	-0.69532	-0.87984	1.674413	2.669099
1.300792	1.936969	1.90045	NA	0.872002	-1.90231	0.368124	1.248059	0.843954
1.055549	1.851761	-0.36787	3.487722	NA	-0.34634	-0.04289	0.215141	1.23399
0.350073	2.113792	1.134242	0.407475	0.037153	-0.44144	-0.33945	1.421403	1.448161
-0.0511	1.463783	0.627639	0.438644	-0.04678	0.288858	0.284882	1.637195	2.860665
1.414358	1.377223	1.806263	1.429702	0.903872	-2.02606	0.517267	1.905381	1.44905
1.151012	2.056431	1.070811	1.647732	0.032418	-0.59789	-0.07074	1.409053	1.307248
2.968742	2.008029	-0.346	-0.6744	-0.73847	-0.56178	1.341586	1.832081	2.124463
2.132935	2.154719	1.951456	NA	1.29136	-0.23187	2.294774	0.769776	2.017849
NA	1.144737	2.292146	NA	0.718157	-0.86622	-1.05542	1.26779	1.436659
1.366053	NA	1.526441	1.268051	1.249148	-2.0573	1.057802	0.714599	1.830809
NA	2.183495	1.885798	0.515571	2.040448	-0.77793	-0.48496	-0.19591	1.988643
1.456498	1.695604	1.410063	1.280434	0.91035	-1.42167	0.554638	1.612447	1.862781
2.064516	2.615158	2.028134	NA	1.470104	-2.83531	1.137709	0.753105	0.83061
NA	1.521353	2.114083	0.328512	0.042483	-2.2922	0.518321	1.528414	1.48356
0.644849	1.871876	1.981352	2.129857	-1.11674	-0.90432	0.939089	1.029006	1.337114
NA	1.151153	0.278059	0.141001	0.07555	-0.09594	0.071944	2.783945	1.497455
0.680123	1.838228	2.765298	0.934029	1.422523	0.478648	-0.61435	1.963307	2.265455
1.8956	1.451527	0.540392	NA	-0.40421	-0.47201	0.011923	2.052589	1.703925
1.417309	1.235569	1.662003	-0.65299	-1.25618	NA	0.152858	1.931792	2.74002
1.071299	2.211422	1.600641	1.023923	1.093051	-1.3062	0.485398	0.874266	0.663322
0.969778	2.006357	1.91468	1.032944	1.876149	-1.27655	1.927182	1.221339	1.146013
1.927604	1.782989	0.175596	1.370474	1.713035	-0.6526	-0.20118	-0.21875	1.799034
1.477711	1.892417	0.660736	2.235915	2.031194	-1.3608	1.059594	1.059503	1.405661
1.297589	1.9331	0.096896	1.717442	0.680158	4.278492	0.443566	1.468825	2.255511
-0.62787	1.209202	1.104229	-0.27668	1.562594	-0.60482	-0.20264	1.447628	1.040577
2.393429	1.050924	1.596468	0.125489	0.050903	NA	-0.57828	2.768984	2.513409
-0.06876	0.975625	1.285355	0.633678	0.632644	-1.43174	0.947153	1.140104	0.732466
1.33344	1.784973	2.282892	2.094685	NA	-1.42468	0.773452	1.288661	0.974381
1.167649	0.669727	2.633231	2.009009	-0.31878	-1.07962	0.213446	0.227391	1.029802
1.897077	2.520633	1.095374	0.591188	1.61992	NA	1.467703	1.341861	2.19639
2.077055	1.94306	1.427592	1.474055	0.83711	NA	1.419972	0.354232	0.827493
2.170758	1.447627	1.450135	1.281681	1.038824	-1.40377	1.846124	1.531245	3.260201
1.896772	2.158298	2.25068	1.695454	1.34624	-1.06484	1.336701	1.246309	1.471883
1.058348	2.321635	1.963373	0.399964	NA	-1.69038	1.873277	1.380053	0.893457
1.029772	2.197923	1.817701	1.723821	0.095061	-2.55822	0.347479	0.894347	1.6201
1.428792	2.052714	1.895633	2.828886	2.124316	-2.07706	2.023668	1.400401	0.897685
1.101332	1.515911	1.399667	1.198751	-0.2914	NA	-0.10204	1.577761	2.159337
0.697278	1.806819	1.901305	1.090604	1.300721	-1.16257	1.035778	-0.29961	2.337089
0.454297	2.425131	1.695603	1.936353	0.231293	-1.19329	-1.32432	1.564396	2.370547
1.371044	0.882229	1.700512	1.776477	0.91939	-1.27814	0.682896	1.027843	1.565342
0.451983	2.024029	1.42563	1.892235	0.358204	-0.87037	0.334305	1.539346	0.748567
1.028061	1.643586	0.489877	0.939997	-0.18535	-1.58395	0.098611	2.06997	2.766225
1.755919	1.742308	-0.16823	0.13209	1.038406	-1.51907	1.258679	1.773693	2.239983
1.264155	3.412708	0.674389	NA	0.408198	0.115717	0.424154	2.902858	1.813834
0.309948	2.170205	1.318508	1.390691	-0.35399	-0.8975	-0.07953	1.490249	1.819901
1.192314	1.263486	2.136395	1.383453	1.326483	-2.4603	2.482737	1.292161	1.196389
1.154932	1.926148	1.549283	NA	1.929869	0.130476	1.546571	1.282828	1.882696
-0.16959	0.928962	0.619454	0.915313	0.406947	-1.67749	-0.97157	2.417665	2.583817
1.795431	1.881365	2.601058	0.963591	0.526102	NA	0.968908	0.682307	0.322362
0.769963	1.546127	1.963556	1.440942	1.319379	NA	1.01316	1.195003	1.187579
0.965599	1.243093	1.559372	1.52573	1.47277	-0.83613	1.384388	0.850549	1.431534
0.679051	1.764935	1.253894	NA	1.498729	-1.71073	2.169944	1.024819	0.70111
0.119825	1.822076	1.38439	1.348788	0.344795	-0.63167	-0.51949	2.678512	2.656694
-0.21594	2.367736	1.210857	0.569036	1.219378	-0.84006	0.478634	2.436222	2.051088
2.071268	1.483941	0.823772	2.16771	0.768923	-2.69688	2.864663	1.28772	0.869621
0.674753	1.731129	1.631466	1.243802	-0.40795	-1.12419	0.538162	1.464719	1.791882

0.101518	1.68923	1.082075	2.029681	1.727759	-1.32492	0.399708	0.991262	1.009376
1.526738	1.867044	1.392873	2.698696	2.432457	-1.55861	1.734178	1.16818	1.288223
1.573056	0.638268	0.869061	NA	-0.27502	-0.35709	0.308424	NA	2.287061
0.103246	1.889175	1.478611	0.695347	-0.00069	-1.07659	-0.51625	1.009081	1.197652
0.532938	2.013407	1.106853	1.51273	-1.19671	-1.17999	-1.07118	1.726942	2.419368
1.009518	1.275338	0.597594	NA	1.570518	0.254966	0.643216	2.105118	1.439182
NA	2.419395	1.840666	1.541325	-1.73533	-1.14853	-0.29086	0.761315	1.391465
1.58408	0.547103	1.294311	2.009312	2.645333	NA	1.321487	1.711598	1.54787
0.108323	1.322718	1.468266	NA	-0.41164	-0.44519	-0.14182	1.740491	2.602494
0.567483	1.701278	1.512859	0.849757	0.600665	NA	1.127285	1.375969	1.9309
1.653944	1.070592	1.253169	0.533128	2.501048	-0.46846	-0.26791	0.811895	1.623131
1.717841	1.454672	2.569677	NA	0.97323	-0.00348	-0.0365	1.725275	0.032836
1.961268	1.997699	2.572743	1.871012	0.872714	-1.52808	1.960927	0.593098	1.871301
2.751108	1.671879	1.561811	0.804517	0.802308	-1.71994	1.125572	1.715338	1.634534
1.321058	2.228329	1.223827	1.221865	-0.01363	NA	-1.03284	1.602277	2.108956
0.351424	2.16869	1.226379	1.088159	1.96552	-1.42451	-2.51925	1.968896	2.512205
-0.78708	2.231149	1.018605	NA	-0.81156	-1.41745	-0.36624	2.110604	1.212297
-0.62311	1.460237	0.329918	0.212197	0.079138	-0.26416	0.216423	2.120427	1.711171
0.999058	1.041669	1.66866	1.628996	1.283265	-2.94454	0.811869	1.53131	1.682549
0.730581	2.163296	1.709102	1.79085	-1.26251	-1.37966	-0.32277	1.642501	2.688411
0.600518	2.376039	1.391828	1.567886	0.474614	-1.87255	0.344279	1.486833	2.117223
0.419945	1.936163	1.717197	0.41397	0.031723	-0.46107	-0.28055	1.50207	1.265061
1.151155	1.168971	0.437844	-0.2889	2.757047	-0.33523	3.501132	1.425625	1.745563
1.036794	2.257404	1.265842	1.229135	1.397026	-2.4333	1.546789	1.100205	1.188353
1.507889	2.735892	2.692672	1.756931	0.897406	0.24197	-0.01357	1.688873	2.240694
0.723198	1.156033	1.345287	1.613433	-0.5965	-1.2407	-1.59997	1.551304	1.906358
2.820355	1.911727	1.429774	0.449343	NA	0.021702	1.240988	1.148065	1.675636
NA	0.921275	1.338341	0.91671	-1.61455	-1.29361	-1.83134	1.504234	2.002881
0.84183	2.143721	1.963328	NA	3.18783	0.627108	-0.16133	0.55344	2.46961
2.557541	1.807146	2.171113	0.730114	2.674132	-1.15715	2.279389	-0.38494	1.440709
0.939655	1.803913	1.129409	1.236467	NA	-1.41741	0.498972	1.57772	2.233938
1.859624	2.216551	2.210091	2.106448	1.878634	-2.62323	1.21763	1.140052	1.336685
0.658626	1.725993	0.756422	NA	1.339785	-0.89079	1.52884	1.24355	1.947705
1.670646	1.859232	0.717084	1.590117	1.717877	2.456001	2.643154	0.200329	NA
1.87265	1.694201	2.72979	1.548014	1.379826	-1.95117	0.483192	-0.04834	0.931071
1.264232	3.15138	1.94251	2.162664	2.151814	0.074154	2.395056	-0.10208	0.869346
2.78899	1.935877	0.937058	-0.02319	0.097875	1.248088	0.74717	2.440617	2.01896
0.943821	2.012986	1.736518	NA	2.539318	-2.24194	2.042734	1.570178	0.971391
-0.04371	1.314762	1.488912	1.500797	2.041308	-1.69778	2.152517	1.177235	0.914771
-0.05615	2.228936	1.707443	0.380563	-1.3211	-0.52986	-0.54055	1.066505	2.362552
NA	0.143025	1.379651	0.662771	-0.26936	NA	-0.56328	1.492638	1.882809
0.722564	1.661157	1.435721	1.657679	NA	-1.33784	-0.83687	1.524987	1.807168
0.39138	1.452107	1.7796	0.391616	-0.55837	-0.18567	-0.54327	1.269824	2.034879
1.683089	1.823312	2.369507	0.450834	1.416304	-0.43348	1.542716	0.835882	1.438268
0.736914	2.576864	1.581777	1.810797	0.199823	NA	-0.91366	1.518762	2.175483
1.011464	1.759774	2.553889	1.128563	0.819689	-2.82771	0.803816	0.905971	1.25296
0.342019	0.587099	2.240929	1.014294	NA	-1.49674	0.492318	2.429182	1.94088
1.287298	2.206824	1.115808	1.339034	0.453812	-1.83884	1.053909	1.292846	2.139224
1.921651	1.747196	0.968255	NA	1.035294	-1.55436	1.36642	1.541116	2.066308
1.343835	1.602285	2.785323	0.913049	0.78705	-1.12461	0.535235	0.799679	1.701509
1.402281	1.146959	1.640648	1.370313	1.771454	-1.04508	1.460065	0.8172	1.354652
0.106162	1.38345	1.652338	1.066683	-0.54742	NA	0.072055	1.619151	1.348505
1.304082	1.971344	1.533891	1.853295	1.187932	-0.93693	-0.04709	0.566029	2.373478
0.833159	0.142259	0.860354	2.079891	1.48749	-1.47353	0.959587	1.24269	1.779426
0.729655	1.436723	1.637316	1.837668	0.344547	-0.70423	0.417564	1.203611	1.390769
2.042207	2.134723	1.989649	1.624568	NA	NA	0.637174	1.689848	1.354774
0.978767	0.801228	1.323586	2.236427	0.911675	-0.99051	1.217169	1.722063	1.955741
0.933571	1.03112	2.129018	1.086094	0.886467	NA	0.125801	1.824339	1.139728

0.135582	1.878066	1.307217	1.049509	-0.32969	0.002183	-0.89328	2.291781	1.69629
1.460474	1.813835	1.343808	1.848087	0.5178	-2.00005	1.083966	0.420535	1.244201
0.701281	1.376426	1.527547	1.671788	2.040383	-1.42981	0.841514	0.995412	0.095444
0.122522	0.269917	-1.16921	1.649073	NA	-0.30054	-0.21689	1.697861	1.771539
1.527235	1.800531	-0.0231	0.056087	0.877341	-0.69927	2.417647	1.044192	1.326714
0.062816	1.855928	1.462099	-0.65649	0.586128	-0.36459	0.098741	2.031874	NA
0.629144	1.948776	1.588907	0.621884	1.755622	0.523739	1.655227	NA	1.798598
0.76494	1.514638	2.033957	1.686528	0.962329	-1.15897	-0.62158	1.678033	1.283212
0.369894	1.433677	1.918653	1.365463	0.129832	-1.09151	-0.12542	2.102527	2.949004
2.25996	0.38155	0.788247	1.420167	NA	-2.3565	0.781417	1.781938	0.944033
1.212876	1.871591	0.724414	NA	-0.20389	-0.6498	0.777695	1.750985	1.821599
0.468067	0.803647	0.922706	1.463426	3.02337	0.599424	2.141727	1.681854	1.621871
0.054355	2.62407	1.439087	1.561262	-0.97786	-0.4404	-0.44437	1.446175	1.143991
0.626318	2.015013	2.072528	NA	-1.70457	-1.36522	-1.32819	1.575328	1.937791
0.373974	1.785816	1.799275	1.440056	-1.25845	-1.24527	-1.77184	1.39702	2.013462
0.456022	0.485598	0.818247	0.852297	NA	NA	-0.17683	1.403981	1.522849
1.252609	1.80489	1.885017	1.687508	0.870758	-1.30878	0.673099	1.17543	1.166489
3.133406	0.951182	-0.08424	0.400182	1.335618	NA	1.683398	1.596511	1.523243
2.187947	1.720632	1.820378	0.574208	0.221452	-1.82358	0.829224	1.633424	2.026392
1.19476	1.723601	1.345503	1.368159	1.822999	-2.4851	1.728306	1.134976	1.736831
0.978177	1.864908	0.345096	1.617745	-0.14863	-0.59199	-0.74171	1.583779	2.381845
0.957985	1.41187	1.104346	1.311111	-0.08264	-0.22604	-0.32984	1.78414	1.776474
0.766333	1.782407	0.204909	NA	0.074859	-0.76437	-0.45488	1.692287	0.855854
0.984403	1.697789	0.929821	1.367447	0.069233	-3.08075	0.549763	1.163868	0.24341
1.230992	1.71805	1.28049	2.289227	1.392142	-1.93769	1.419057	0.887624	1.516424
1.512433	1.901325	2.191629	0.977479	0.434106	0.638401	-1.64672	1.009342	1.844792
0.568495	2.559863	0.755442	0.331587	-0.555	0.794963	-0.29983	1.557725	1.234779
1.290104	0.744151	0.443021	1.716541	1.985214	-0.75906	-0.72842	1.677276	0.702543
0.677931	1.363847	1.432687	1.328254	1.683145	-0.92239	1.424892	0.958443	1.391382
1.391721	NA	1.565821	0.844332	0.204709	-1.79203	1.023909	2.120934	1.841531
-0.07546	1.947532	1.609988	0.949363	-1.06147	-1.05736	-1.12716	1.383421	1.617676
NA	1.191268	1.072626	0.921314	-1.53239	NA	-0.38946	0.854883	1.828232
NA	1.114258	0.479402	0.250685	-0.83865	0.855028	-1.56347	1.883221	3.00518
2.195129	1.543389	NA	1.497756	1.527673	1.248308	2.391297	0.676175	1.600918
0.662852	1.471575	1.719892	1.179761	1.253598	NA	-0.61754	1.416436	0.852259
0.392512	1.061602	1.611263	0.747632	-1.30325	-3.19259	-0.76203	1.462066	2.106482
0.665644	1.884447	1.750467	2.185043	2.097117	-1.30183	-0.86316	NA	1.014033
1.009245	1.760051	2.208697	1.433549	0.246026	-1.42677	-0.74648	1.272742	1.604593
1.356965	1.423581	2.617453	2.131907	-0.04705	-1.21095	1.030916	1.138615	1.310885
0.714452	1.109169	1.573523	1.473461	2.460642	-2.25079	1.897821	0.543557	0.680387
-0.56611	1.941489	1.324855	0.940762	-1.21645	NA	-1.40407	2.283698	2.05244
1.929723	2.209795	1.665879	2.197037	0.599964	-1.72468	1.035895	-0.0601	1.570203
1.30333	1.56379	1.317432	0.8263	0.218461	NA	0.916292	1.540151	2.449155
1.067977	1.511561	1.512808	1.765954	2.265659	-1.16207	1.453473	1.545356	2.108065
0.597795	1.553238	1.210396	1.304561	-0.48279	-0.45877	-0.493	1.390699	1.909871
-0.10456	NA	1.253569	1.198737	-1.73217	-0.85619	-1.41853	1.626118	2.543941
1.143134	NA	1.486825	1.571013	0.611948	-0.03913	0.915061	0.487008	1.188646
-0.86857	0.963901	0.46402	0.384653	0.272039	-0.07606	0.371408	0.827352	2.203097
0.983242	1.391428	1.39846	1.182611	NA	-1.85455	1.646421	1.793837	1.056914
0.765339	2.453452	1.600491	1.117916	0.990048	-1.93149	0.933236	0.781871	0.987122
1.534418	1.393411	2.543967	2.018301	0.585204	-0.77637	1.111577	1.02125	1.692992
1.122159	1.22693	0.620189	1.216378	1.237247	0.207472	1.05339	1.646506	1.523563
1.660305	1.872129	0.823247	0.702407	1.155619	0.964132	1.567719	1.516446	1.399512
NA	2.159499	0.479091	NA	0.300997	0.061372	0.374592	2.066882	2.140827
1.632307	1.584024	0.466068	1.404265	1.820633	1.190054	2.212415	1.871846	0.248533
0.482452	1.618956	2.183762	1.199031	1.961281	-0.38084	1.479665	1.079402	1.019954
-0.56246	1.344943	1.528567	-0.03981	-0.05544	-0.28609	0.376613	2.121464	2.470499
0.988118	0.508625	2.266424	-0.053	1.101928	-0.63458	-0.25188	1.916056	0.978291

1.681626	1.375382	2.17925	0.927197	0.397454	-2.27155	1.353851	0.752139	2.225764
0.73005	1.656018	1.017953	1.724356	0.906094	-1.09593	0.790323	1.507903	1.74218
0.50468	2.492507	1.070236	1.594275	1.795265	-0.63944	0.42248	1.491002	2.058247
1.040566	2.228028	0.298702	-0.25219	-0.39179	-0.67383	-0.35734	1.325315	2.286409
2.178678	3.005927	1.199503	0.258818	0.544798	-0.59606	1.052876	0.436463	1.972764
0.491437	1.595898	0.96865	NA	-0.51687	-0.60232	-0.11305	1.437364	2.952961
0.966527	2.073132	1.597173	1.341671	0.150206	-1.02663	-0.75865	0.887936	1.853023
2.470302	0.746477	0.515928	-0.35848	0.002586	-1.65306	0.411683	2.071319	1.948689
2.261851	1.630946	1.001535	0.580212	1.04405	-1.88459	1.681176	1.383156	1.393785
0.675321	1.556374	0.291848	1.549066	-0.19958	-0.48304	0.095755	1.380562	1.723322
2.326317	1.65369	0.142629	0.91935	2.808268	1.825117	2.583269	0.855973	0.772504
1.576954	1.190682	1.877505	NA	0.579237	-1.25554	1.643024	0.994279	2.055223
2.956207	1.530975	2.088949	1.708455	1.721615	-2.45271	0.93772	0.419079	1.410009
1.01221	1.395034	-0.3889	0.856408	3.391959	1.109181	4.010138	1.478029	1.071593
0.67119	1.613495	0.830621	1.093703	3.030784	0.541798	2.07257	1.832454	0.698058
0.919392	1.41919	0.77395	1.819561	1.614171	-1.30083	2.306631	1.033513	0.802803
1.12928	1.631741	1.389889	0.864303	0.810637	-2.85168	0.77621	1.593896	1.686062
1.240118	0.78927	1.79187	1.321112	-0.09579	-1.5057	-0.01317	1.947519	1.658124
2.699453	1.320946	0.653427	0.43656	0.208678	0.359638	2.399763	1.776754	2.458304
0.86817	1.441324	0.684022	0.355251	-0.6172	-0.62078	0.709138	1.663096	1.493187
0.44393	1.609172	1.415877	0.437724	-0.44718	-0.79104	-0.19488	1.690951	1.765704
1.469497	2.897206	1.396221	1.287092	0.465988	-1.09174	0.087147	2.007657	2.131246
1.008813	1.818336	2.863901	2.377682	0.493461	0.338355	2.574665	0.548772	1.652912
0.707065	1.61781	0.405574	NA	-0.45945	-0.58217	2.119512	1.769226	1.477401
1.374542	1.401131	2.673138	1.124417	-1.6384	-1.3061	0.285081	1.122267	1.791138
1.225878	2.397409	2.31544	1.929165	1.114992	-1.92065	0.55109	0.824069	1.789494
1.529458	1.620589	0.517004	1.765394	2.374736	-0.03195	2.164685	0.651895	1.565649
1.051958	2.595186	1.947651	1.765628	-0.30316	-1.27587	-0.72196	1.800514	1.879197
0.677666	1.290486	1.604182	1.902015	2.336879	-1.27157	1.237903	0.889686	1.293205
1.495159	1.689409	0.948278	NA	1.963535	1.081644	-0.088	0.415809	1.303697
1.839358	0.936537	1.659144	1.33086	1.843981	-1.02227	0.974009	1.060576	0.922493
0.442466	2.098354	1.052295	-1.04714	0.461749	-0.68848	0.584555	2.096079	2.774143
1.167531	2.091433	1.536548	2.114927	0.869236	-2.49126	1.508949	0.661662	1.429853
1.603489	1.966756	2.095405	0.791807	1.545358	-0.88537	1.348253	0.99299	0.706066
1.119347	1.907196	1.534369	0.670044	NA	-1.32131	-0.60769	1.703516	1.621293
0.891197	1.400872	0.607284	0.727364	1.794565	-0.81448	0.067747	0.695739	1.056645
0.873227	0.60225	0.958104	NA	0.114557	-2.69429	2.275473	1.964507	2.612205
0.706081	1.706042	1.289217	1.86995	0.261702	-1.08935	0.298217	1.232115	1.307907
1.174016	1.732803	0.887459	0.372375	-1.13881	-0.4176	-0.69239	1.271502	1.707473
1.442775	1.745997	1.088671	NA	1.909188	-1.35982	1.35763	0.82674	1.663639
0.507093	1.773352	1.299159	NA	2.03429	-1.71554	1.97205	1.428448	0.847018
1.072893	1.505228	1.722455	1.936253	2.167043	-1.20771	-0.67673	1.171514	0.670662
NA	0.8656	0.516454	0.106883	-1.02405	-0.45321	-0.51215	1.157933	2.182404
1.020818	1.135703	0.725883	0.049202	2.247926	NA	2.397875	2.122802	0.594268
0.479442	1.175414	0.575378	0.853821	1.44129	-2.71959	1.842569	0.43247	-0.06347
1.590418	2.16549	1.749614	1.614236	1.228148	-2.82436	1.234091	0.631589	1.684938
NA	1.530932	1.522805	1.388332	1.452246	-2.26557	1.05511	1.11618	1.353624
1.233866	1.454608	1.592114	0.879417	0.799451	NA	0.82571	0.424142	1.588639
0.536308	1.651865	1.540057	1.577786	-0.8881	-0.42573	-0.50549	1.795693	2.516995
0.626562	0.722467	0.888464	0.888558	-0.38584	1.128322	-0.36436	1.48615	1.918387
1.834391	1.964158	1.829615	1.36353	-0.55914	-0.44276	-0.25384	1.416051	1.94717
1.316952	1.893892	0.387383	0.328179	1.304714	-0.66341	0.820954	0.740909	1.240255
1.471817	1.649527	1.531615	1.691306	0.816023	0.205848	0.955122	1.075428	1.614653
1.876536	2.902378	1.805764	1.901708	2.371031	3.072807	1.200337	0.519971	1.484824
1.025843	2.413082	-0.50461	0.553864	2.423494	-0.10796	0.251234	1.369827	1.237201
0.200227	1.187538	0.998181	-0.02878	0.885544	-0.75881	-0.7504	0.949295	0.729693
0.145503	1.508455	1.593362	0.695768	-1.12962	NA	-2.05439	1.059598	1.480602
0.868859	1.236432	1.30186	1.006214	2.097904	-0.25904	1.980514	0.754029	1.479312

-0.07312	1.741807	0.522437	0.31272	0.717335	-0.59001	-0.47775	2.132149	2.17563
-0.5849	1.346459	0.476096	1.914019	1.591899	-1.80018	-0.75778	0.824988	1.404146
1.426795	1.428322	1.294039	1.497388	1.400571	-2.06254	1.078002	0.856369	1.35736
1.150945	1.202739	1.558009	1.917071	1.372485	-2.42959	1.080826	1.387783	1.564669
1.514422	1.164448	2.541553	1.939562	1.164298	1.398743	1.025993	0.012227	0.752112
0.370753	1.230197	-0.69438	0.422359	-0.82036	-0.69962	0.763654	1.63423	2.187508
2.811291	1.057309	0.562988	0.94763	1.206139	NA	1.990851	1.364256	NA
1.53736	1.734647	1.557717	1.14715	1.700527	-1.56849	0.886421	0.597396	1.49064
0.670582	1.947701	0.683217	1.2638	-0.42599	-1.79777	-0.56263	0.732309	1.311567
0.634917	1.617822	0.651619	2.453457	1.965804	0.538031	2.075354	1.283974	1.346211
0.441262	0.963628	2.388009	1.521425	0.218121	-0.92365	0.078071	1.191267	0.94514
1.263074	1.533573	2.306203	1.04314	1.057438	-0.81821	-0.3672	0.970831	1.830764
1.620888	1.242688	1.558992	1.261649	0.413885	-1.14998	1.388927	1.69333	1.541923
0.853959	1.878469	0.726908	1.33465	1.607915	-0.59559	-0.30341	1.195109	1.151289
0.467856	1.492689	1.494906	1.267997	-0.04821	-1.94013	-1.11738	1.075722	1.704341
0.845245	1.841682	1.765968	NA	2.165262	-0.62369	1.636417	0.61028	1.753545
1.538799	1.448188	1.388982	NA	1.218256	-1.96678	1.769899	1.407681	1.240252
0.694652	1.514331	0.495944	0.858393	-1.01187	-1.15071	-0.37664	1.595	2.210949
0.608082	1.282798	1.860006	0.51219	0.593612	-1.50389	1.529201	0.534158	2.249557
0.153414	0.776173	1.521691	2.538525	0.094161	-1.41899	0.231088	1.569212	1.564779
1.086831	2.384139	1.599054	1.220434	1.056265	-1.06203	0.009034	1.280031	1.280543
0.687585	1.409911	-0.04931	0.609181	-1.29867	-0.60496	-1.00916	2.242122	2.450406
1.550335	1.146029	0.872256	0.844765	0.07966	-0.07524	0.20446	1.906886	1.82933
1.614361	2.219564	2.41598	1.944623	NA	-1.45569	0.654309	1.851636	1.453079
1.81282	1.760931	1.480021	1.764749	1.77607	-1.47725	1.292144	1.237582	1.044932
-0.09873	1.464307	0.645379	1.331605	1.18722	-0.40607	-0.48742	1.39164	1.960653
0.48949	0.841176	NA	0.339093	-0.32671	-0.71874	-0.3201	1.363949	1.389814
0.937454	1.216809	0.162578	2.529688	-0.96103	-0.57796	-0.79763	1.59032	2.430451
2.195595	0.186356	-0.30493	0.366315	0.304544	0.044358	0.300512	4.335624	3.073589
-0.20493	1.013035	1.055125	0.345476	1.253418	NA	-0.09873	1.92504	1.808758
0.298882	1.608231	2.043079	0.809808	-0.00267	-1.77664	0.207974	1.403512	1.286733
1.017473	0.776994	2.108312	NA	0.885484	-1.48413	-0.17966	1.239573	1.525579
NA	1.418688	0.147664	1.669812	-0.03302	-1.93492	0.02745	1.990556	2.188539
1.195628	1.075479	1.39082	2.003987	1.273733	-1.23198	1.628469	1.012092	1.905478
-0.42923	1.500116	1.315774	NA	-1.0346	-0.33112	-0.78043	1.304721	2.582804
1.170968	1.572724	1.481771	1.983057	1.132899	-1.66971	0.587092	0.91701	1.037442
0.332644	1.672258	1.601559	1.689863	0.701467	-1.01566	0.259939	0.897506	1.762483
1.337397	1.34855	2.013312	1.366354	1.218538	-1.32041	1.135262	0.549517	0.950223
0.920097	2.180707	1.128615	0.704519	1.2763	-0.26997	-0.87305	1.824758	1.821305
2.22115	1.600137	1.814766	1.366381	NA	-0.98198	1.886315	1.003289	1.276695
0.928972	0.807162	1.660041	2.397449	0.420989	-1.09335	-0.32731	1.271423	1.213714
1.200462	1.722073	1.789306	1.056792	-0.58198	-2.19017	-0.32407	1.719989	1.919209
1.145535	0.721026	1.498633	1.636138	2.210274	-2.47498	2.108528	1.00988	0.754136
1.81511	2.412139	0.8507	NA	1.554877	-2.34934	1.471678	1.279446	2.112921
1.280224	1.298574	0.707821	0.33232	-0.63666	-0.74887	-0.18494	1.776072	2.697209
-0.13279	0.495448	1.044523	0.185079	-0.34781	-0.67501	-0.04705	0.7469	2.283981
0.328448	1.218525	0.379048	1.03239	0.971561	-1.48606	1.039836	1.219086	2.08642
-0.76739	0.657901	1.244589	1.115868	0.755184	-1.31973	1.021827	1.296997	2.011666
NA	1.160737	0.708819	NA	0.540597	-0.64342	0.496392	1.276907	1.488546
1.125628	NA	1.804287	0.916687	0.340331	-2.14478	1.407352	0.790855	2.357426
0.247814	1.497746	1.210424	NA	-1.33736	-0.83496	-1.17614	1.376871	2.030912
NA	1.085005	0.820614	0.669462	0.635838	NA	3.156601	0.600515	-0.73454
0.412901	1.801654	1.293992	1.410514	2.324968	1.760369	1.676702	1.731527	-0.19695
2.820936	1.224253	1.859248	0.545709	1.604729	1.158946	0.650458	0.303953	1.2109
0.973307	2.125043	1.735904	1.299008	1.073524	-2.66348	0.865918	0.199653	1.539675
1.013985	1.773706	1.733292	NA	0.685041	-1.61447	-0.3089	1.756639	1.783148
1.23277	2.4048	0.756328	1.412416	NA	-1.17478	1.175861	0.903101	1.144506
1.95185	1.915049	1.52892	2.547894	1.361501	-1.78914	1.813881	0.617074	0.846328

1.796544	1.483981	0.380783	1.169894	0.349227	0.464494	1.36884	1.692595	2.530728
1.232403	1.488701	1.547352	0.993219	1.365781	NA	1.661357	0.131182	0.312944
0.084202	2.396122	0.414247	1.172879	NA	-0.23196	-0.07067	1.183591	1.7276
0.797861	1.75268	1.346398	0.983517	0.227494	NA	0.278347	1.195781	1.473985
0.618189	1.528166	1.414637	1.138519	0.134601	-2.78053	-0.14239	0.743288	1.319083
0.344487	1.592556	2.861156	NA	-0.28614	-2.24963	-0.09651	0.884867	1.286613
0.383191	2.692751	0.935319	1.195634	-0.5614	-0.1226	-0.13412	1.688803	1.405364
1.31848	2.097536	0.110462	1.018722	1.37128	-1.57579	1.577141	1.691775	1.56324
0.839173	1.737358	0.976469	1.024301	1.08869	-3.3414	1.28995	1.324943	1.348003
0.821569	1.124505	0.469354	NA	0.495889	-0.99218	0.511804	2.201282	2.554289
NA	1.436818	0.939871	2.437543	2.042241	NA	2.12431	0.070828	1.173929
0.690505	1.693115	1.789877	1.362072	0.030451	-1.47766	-1.24895	-0.18088	1.399018
-0.16536	1.389204	0.496042	0.36116	0.171671	-0.29849	0.330814	2.012621	2.638353
1.120299	1.367457	1.267626	1.026204	1.517707	-1.16017	2.732555	0.769507	2.058496
1.890617	2.075351	0.295429	1.902241	NA	-0.8304	2.26827	0.345315	0.784673
1.239672	2.259728	1.252171	1.913748	1.033091	-1.45301	0.662702	0.600992	1.004903
0.63391	1.13068	0.952008	1.517083	-0.14369	-0.89379	0.129962	1.418405	1.853371
-0.03324	1.752113	1.085094	1.463404	-0.05283	-1.7673	-0.26354	1.123962	0.651552
0.649854	1.293168	1.590883	0.776817	-0.19083	-1.37368	-0.73911	0.882356	1.800566
0.148839	0.810485	1.837881	0.784138	NA	-1.75829	0.334626	1.170557	1.342399
0.29764	0.934989	0.60888	0.368132	0.185282	-0.3961	-0.33882	2.008854	1.995138
0.548223	2.030076	0.698888	NA	-1.11125	-0.94263	-0.88312	1.918128	2.295726
1.294999	1.68418	1.211873	1.533003	NA	-0.24123	0.922244	1.291936	0.374771
1.413905	2.494798	1.230263	1.278817	0.811272	-0.77945	-0.54566	0.89584	1.862168
1.036419	1.501856	1.477272	1.106244	1.045969	-0.48092	1.190067	0.957742	1.190351
1.49806	0.430544	0.110136	NA	0.387868	-1.08203	0.525246	1.758766	1.610705
-0.39902	1.231944	0.90553	0.41494	-0.67527	-0.52751	-0.15217	1.893239	1.00528
0.745235	2.10718	-0.14183	1.569969	1.226294	0.266513	2.188099	0.925574	0.756546
1.389352	2.389059	0.166545	NA	0.942997	-0.39609	0.858237	1.439855	2.163238
0.100601	1.37955	0.953254	2.238598	-0.35699	-0.43325	0.234868	1.194187	1.437428
1.02779	1.542252	1.361571	NA	1.385502	-1.65943	0.272353	0.631908	1.909238
1.01138	1.665848	1.878372	1.645601	0.476564	NA	0.596754	1.0635	1.387957
-0.23545	0.975388	1.131854	1.091361	-0.43207	-0.21589	-0.40287	1.196877	1.651013
0.39717	2.143912	2.005424	1.230386	1.454634	-1.50263	0.835421	0.416377	1.070361
0.374061	1.246577	1.379514	1.538889	0.922239	-1.51028	-1.35901	1.719915	1.010589
0.564534	1.464063	1.45968	1.153119	0.380277	-1.20977	-0.23338	1.495797	2.019055
0.928304	1.565216	1.478635	0.680553	-0.48254	NA	-0.36	2.392377	1.495191
0.320853	1.740762	1.297089	1.237468	1.442165	-1.05814	0.437014	1.31485	1.271202
0.33293	1.569977	2.410978	1.190199	-0.34247	-1.39704	-1.16577	0.930816	1.009293
0.79228	1.586653	2.066828	1.095653	0.974848	-0.73399	0.735132	1.279918	0.709886
1.572328	2.365029	0.858179	0.59113	1.512736	-1.9232	1.334053	1.26407	1.996195
-0.02603	1.227622	-0.47364	0.143074	NA	-0.33696	-0.53819	1.455337	1.971397
1.275165	1.31416	0.409039	0.25261	1.160688	0.1436	0.496987	1.298393	1.956983
0.14861	0.611177	1.245312	0.922415	1.792341	NA	0.191905	1.771017	0.657744
0.047098	1.800551	0.892558	1.344524	1.448885	-0.25052	0.148597	1.914917	1.329917
0.789132	1.254356	1.177972	1.499183	1.369094	2.639872	0.689833	1.136729	1.70536
0.897597	1.869073	0.614745	0.987184	-0.17852	-0.4621	-0.19301	0.938435	2.221988
0.918072	1.36052	0.89043	0.675378	0.913409	-0.35113	1.123047	0.979181	1.486356
-0.45497	1.231088	0.942732	0.413894	-0.86169	-1.27806	-0.79772	1.201727	1.346578
1.885616	2.207212	1.284683	1.178008	1.941424	-2.50437	1.829396	0.531842	1.483671
0.521552	1.692493	2.033648	1.467077	2.120226	-2.183	1.419052	0.643203	1.505634
-0.30246	1.407238	2.044083	0.089127	0.652999	-0.63709	0.353027	1.319945	0.688962
-0.06214	1.487519	1.359882	1.016534	0.78136	0.902277	0.19744	1.987749	1.858797
0.286556	1.833999	0.844899	1.52401	-1.64063	-1.12692	-1.33254	1.568603	2.245054
NA	2.024588	1.419612	1.440682	4.145449	NA	1.567231	1.151056	1.057294
-0.00308	1.733917	1.105007	1.332469	2.739981	-1.46097	0.576762	1.486973	1.409258
0.86165	1.855918	0.154901	0.349032	0.536346	0.011985	0.442718	0.95084	2.577389
0.996525	1.710556	1.252869	0.964022	NA	-2.13685	1.721301	1.491199	2.124347

0.219945	0.431561	1.99661	1.211776	1.4275	-0.94315	1.045998	NA	0.612993
0.691272	1.436468	1.277327	1.182731	0.493121	-1.45313	0.688681	1.246164	0.926992
NA	1.441486	1.178826	1.892645	1.431796	-0.43722	1.068072	1.051263	0.062115
0.906964	NA	1.157806	1.251498	1.164226	-2.70729	1.210919	1.336395	1.445159
0.78946	1.14441	1.601919	1.709491	0.293082	-2.40211	0.115455	0.86367	1.591323
1.4818	NA	2.944541	NA	1.396704	-1.61179	0.096187	1.091845	2.316666
2.451143	-0.01439	0.751694	-0.01356	0.375785	-0.43893	0.595383	1.256863	1.494368
1.098548	0.069148	0.468506	0.209164	0.736814	NA	1.403398	2.204633	1.813888
0.957432	1.560328	1.564639	1.73086	-0.0907	-0.69807	-0.77734	0.875959	NA
0.38975	1.380054	1.15304	1.48238	-0.03287	-1.70644	-1.25818	1.217794	0.992587
1.826633	1.486087	1.091779	0.225448	0.356947	-0.54145	1.210468	0.643505	0.70171
2.669763	-0.11997	0.482243	-0.3417	0.166404	0.479986	0.634336	1.86058	1.956207
2.29708	1.698778	0.916528	2.110908	1.90683	-0.91208	2.137545	0.464468	0.971785
0.543278	1.460887	2.429432	1.611763	1.914959	-2.32963	0.091867	1.152319	0.682682
0.933983	2.014425	2.271912	1.432001	0.875641	-1.99868	2.422078	0.082331	1.334058
0.867778	1.654999	1.380788	1.644954	1.678914	-1.98228	1.603968	1.050818	0.925748
0.708698	1.574307	1.398859	NA	1.203156	-1.93117	3.050418	1.77232	1.281799
-0.83132	1.551692	1.522839	0.584316	-1.02749	-0.69721	0.249685	1.225277	1.529384
0.487852	1.079791	1.236516	NA	1.885394	-2.39134	0.094075	0.751997	1.176864
1.057668	1.897491	1.201373	NA	1.351174	-1.21522	1.001666	1.297951	1.524621
2.241939	1.322365	1.160149	NA	-1.06007	1.169194	-0.2227	2.552588	2.056538
1.328012	1.674106	1.557355	0.523592	-1.63255	0.715477	-1.32897	1.567486	2.31168
1.405184	2.042175	2.323625	2.28693	0.373694	NA	0.437463	0.44683	0.443616
1.11391	2.588207	1.535276	1.253001	-0.29458	-1.53523	0.013057	1.432181	1.242402
0.732181	1.372733	1.245029	1.827011	0.563957	-1.61498	0.807044	1.200229	0.598327
1.764886	0.551723	1.281458	1.292645	NA	-0.45454	0.47379	0.906716	1.20696
0.849452	1.659662	1.93592	NA	0.810951	-2.20295	0.664319	1.125238	1.166472
1.042597	1.157648	1.940828	1.810125	0.657277	-1.11514	0.155542	0.617719	1.050653
0.89004	2.212815	1.17152	1.814991	1.511153	-0.63006	1.10088	0.81306	0.571487
1.701203	2.470164	1.176097	1.552545	1.223808	-1.14938	1.236412	0.279166	1.624513
0.518795	1.497276	1.152756	1.983753	2.281877	-0.86673	1.916363	0.92649	1.038273
1.611632	2.205698	1.256808	2.552992	1.113852	-2.12314	1.373843	1.086363	0.547637
1.378798	2.116968	0.972466	1.236456	-0.20068	-1.15417	-0.96561	-0.01877	0.662609
0.65715	1.321847	1.117172	0.843674	1.328305	-0.17528	0.779036	1.164187	1.112659
1.189566	0.85899	0.3361	NA	1.088015	0.812734	-0.15368	1.011809	1.969703
0.943336	2.570447	0.673544	1.658718	1.834099	0.657425	0.918035	0.578343	1.392879
1.646402	1.620391	1.257541	1.497948	NA	-0.58469	1.199622	0.803932	1.011827
0.357548	NA	1.179667	0.674601	-0.22091	-0.89749	-0.82372	1.963036	1.878835
-0.86778	1.469097	0.933529	1.028139	1.111447	-1.70453	1.554598	-0.28061	1.082193
0.819421	1.381201	1.253372	NA	0.636008	-2.04148	2.623911	1.423293	1.719511
0.996934	1.903859	1.459013	1.719511	1.583772	1.167271	0.638176	0.271938	1.249094
1.151141	1.627549	0.331524	1.334758	0.844831	NA	1.419059	0.388785	0.464543
2.203424	2.002977	1.650369	1.141435	2.144538	NA	-0.05833	0.553681	1.247888
0.532577	1.341783	0.724463	NA	-0.91787	-0.80425	-0.41587	1.270239	2.073098
0.527944	1.871215	2.01818	1.032857	NA	-2.38231	0.856483	0.494124	1.356956
1.115193	3.062818	0.795743	0.406024	0.530699	0.49891	0.100789	1.351203	1.978222
1.432906	1.760864	0.98824	1.670417	3.410039	0.308281	2.784052	0.637087	0.626906
0.385436	1.034489	0.639332	1.053706	1.566024	0.786303	2.1978	0.932075	0.73917
1.530243	1.837959	1.796956	1.17541	1.022778	-1.01269	-1.00882	0.998248	1.34245
0.802988	1.174122	1.184432	0.600723	1.995339	NA	1.790417	0.785276	1.100408
1.160373	1.612546	1.688342	1.967394	-0.31384	NA	0.789689	1.100132	1.613001
0.32295	0.422216	0.498043	1.364053	-0.77148	-0.36548	-0.34881	1.634785	2.785876
0.106913	1.938602	1.311846	0.973993	-0.76501	0.853914	-0.82715	1.654823	1.755324
0.882525	1.378853	1.632194	1.882777	0.657502	-1.2162	-0.25185	1.145441	0.934604
1.253296	1.906642	1.074474	NA	1.247368	NA	0.781566	1.000993	1.157938
0.692812	1.721619	0.541322	1.242308	NA	-1.80138	0.966911	0.950989	1.388079
0.399644	1.104948	0.535977	0.903689	1.081613	-1.68321	1.610658	1.784601	1.439823
0.986916	0.091015	0.351585	NA	2.945443	NA	1.825216	0.74616	1.358477

0.451227	1.073136	2.486124	-0.04901	1.807413	-1.05133	1.213749	1.189596	1.051325
0.329985	NA	1.415387	1.3542	1.341987	-2.13773	1.336934	1.10544	1.165635
1.009151	1.545348	1.597129	1.58271	-1.38904	-0.87347	-0.38724	1.214125	1.827033
1.680376	1.469384	NA	1.35813	1.488678	-1.19573	2.458434	0.522606	1.450582
1.160581	1.396857	0.770808	NA	1.997268	3.030135	0.911752	0.559268	1.026299
0.544619	1.12881	1.100766	1.732917	1.521615	-2.04456	2.323601	1.281008	1.247171
0.6055	2.525226	0.820061	1.762858	0.637769	-0.8965	0.117619	1.229259	0.665439
0.072784	1.386142	0.722655	1.985254	-0.44766	-0.20273	-0.41088	1.619874	1.303174
0.463783	0.542577	1.181486	1.096448	-0.03968	-1.3479	-1.27721	2.143608	2.574735
0.859552	1.347748	0.705947	0.915509	1.053158	-1.28653	0.021151	1.315238	1.725515
0.996821	1.749098	NA	0.938004	NA	-2.40212	1.89775	0.662909	1.850519
NA	1.466703	0.672755	1.745154	2.03009	-1.27319	0.704943	1.202662	0.142438
1.337787	1.49496	0.430687	0.750924	0.103252	0.076461	0.039195	0.067315	1.210498
0.895819	1.075477	1.127701	0.535812	0.600212	-1.56659	1.215106	0.819234	1.345914
0.630597	-0.26938	0.77251	1.01872	-1.0576	NA	-0.33504	1.737155	2.313175
0.79957	0.538461	0.695935	0.884112	1.540786	NA	0.757019	1.707919	1.667267
-1.11946	1.05829	0.48244	NA	0.439836	3.411012	0.978445	2.252379	2.011819
0.561778	2.221306	1.175644	1.235116	-0.59755	NA	0.042788	0.854281	1.27656
0.724124	1.684871	0.96647	1.158192	0.927993	-1.98533	0.671966	1.169996	1.736345
1.21294	1.522123	1.598316	NA	0.359281	-0.93546	-0.8907	1.236778	1.419851
-0.69755	2.466822	1.690104	0.357872	-0.72066	-0.62749	-0.57638	1.480944	1.532563
1.56528	1.28326	0.710418	NA	0.687047	2.26	0.425466	2.983876	2.070017
0.721383	1.801765	0.974407	NA	-1.03537	-0.66772	-0.72842	1.814048	1.795762
0.921468	1.902812	1.132935	0.94842	0.29102	-2.523	1.142715	0.536774	1.548069
1.262351	0.03838	0.970936	1.661058	0.944357	-1.77436	0.490958	1.659675	1.385473
1.470651	1.055006	-0.39701	1.953874	0.927433	-0.45571	0.06367	1.386882	1.545278
1.141451	1.635173	1.074053	1.969517	1.080387	-2.05534	1.021107	0.926939	1.106652
2.20613	0.178856	-0.62076	1.365434	0.236906	-0.0286	0.416458	2.231178	1.215736
2.193222	0.191312	2.016174	0.978339	0.93938	-0.87319	-0.87934	0.887896	1.812405
1.311336	1.408877	1.459301	1.341617	1.326749	-2.71628	0.935941	0.764314	1.284147
1.22768	1.085291	0.945063	0.926803	0.781345	-0.14655	0.209664	1.787151	2.053281
0.678817	1.573419	0.372835	NA	0.29801	-0.26413	-0.69521	1.367353	1.847983
1.090764	1.756405	2.180071	0.914722	NA	-1.75489	1.116898	1.282537	2.088753
0.623672	1.890291	0.740753	2.001643	-1.19777	-1.26625	-1.26806	1.174779	1.22464
0.129839	0.807949	-0.26936	1.322255	2.679698	-1.08999	0.212864	-0.11498	1.743662
0.170926	0.858606	0.733346	0.700404	0.406417	0.78935	0.453552	1.195214	1.652338
NA	1.379861	1.27125	1.209807	-1.58842	NA	-1.30534	0.833579	1.678407
1.269487	1.578787	0.836279	0.858068	1.00125	-0.27152	0.057768	1.290837	1.782321
1.371371	0.805919	0.197404	0.251146	-0.26409	-1.27412	1.254814	1.134736	1.109733
0.76567	1.849793	1.763604	1.213246	2.284575	0.156014	1.456886	1.087768	1.447707
0.771281	1.689063	1.866238	0.773922	1.017273	-1.18007	0.38948	1.112265	1.453682
0.280547	1.337522	0.474264	0.471505	0.167917	0.283754	0.291631	1.301607	2.063141
0.180317	1.023152	1.45226	0.474955	0.926986	-0.92257	-1.01672	1.715248	1.973222
0.422507	1.229394	0.959219	0.261414	1.109088	NA	0.620776	1.409692	0.462937
1.377346	1.580424	1.762742	1.49597	2.639895	-0.3816	1.918924	1.000775	1.857424
1.194144	1.177209	0.734101	0.852977	1.368954	-2.18857	0.950263	1.213446	1.728557
1.546328	1.546028	0.099202	2.26003	1.130689	-1.52211	1.262773	0.543747	1.787546
0.904145	1.878861	1.578241	NA	0.922435	-1.97059	0.417258	1.361093	0.980634
0.243	1.604609	-0.45847	1.104958	-0.62503	0.094956	-0.36728	1.256349	2.528297
0.658771	0.590902	1.072017	NA	-0.29622	-1.62917	-1.55097	2.082313	2.071963
1.550798	1.418547	0.469187	-0.42648	-0.14276	-0.37596	-0.04433	1.937501	1.430889
0.427649	2.010398	0.688865	0.99039	0.029464	-1.0641	0.302124	1.086594	2.44201
0.16119	1.963238	NA	NA	-0.36903	NA	0.294622	1.077223	0.731171
2.161821	0.468927	-0.13463	1.234225	-1.1958	-0.76335	2.210246	1.317643	0.995062
0.6488	1.448006	0.743022	1.327462	1.026434	-1.6572	1.473749	0.962586	0.484655
0.836283	1.279567	0.729149	0.753683	1.590626	-1.60128	1.038179	0.627155	1.268316
0.44576	1.572357	0.450079	1.53115	-0.41746	-0.99762	-1.03555	1.31643	1.469876
NA	1.349337	1.810221	0.816096	-0.07336	-2.25538	0.369333	1.561903	NA

1.209771	1.107589	1.132517	0.864003	1.892133	NA	1.292684	0.781204	0.634784
0.337952	1.508942	1.478247	0.772011	-0.92664	NA	-0.31323	1.040664	1.737147
0.798501	1.231606	1.700932	1.320787	0.090926	-1.87494	1.188709	0.14631	1.129228
0.126995	0.676223	1.149851	1.234351	-1.50517	-0.97007	-0.6599	1.836747	1.528411
0.592197	2.9384	1.841506	NA	-0.49873	-1.58649	0.107637	0.767382	0.690203
0.440367	1.544759	1.010831	0.493951	2.16362	NA	0.941821	0.881755	-0.12821
0.973446	1.291601	1.534759	1.116654	1.499497	NA	1.317886	1.234869	1.488269
0.412673	1.100254	1.902803	0.97909	1.064878	-1.64821	-0.15137	1.251621	1.737838
0.411253	1.834913	-0.3112	0.833949	2.47061	1.12426	1.027716	-0.30244	2.348321
1.305538	1.471282	0.280097	0.584925	0.3178	NA	1.063896	0.579254	0.788897
1.07074	0.783422	0.993119	1.6768	-0.16381	-1.0572	-0.06636	1.431598	1.201896
0.504207	1.591046	2.122317	1.76944	0.06877	-2.55981	-0.69558	0.644247	1.362655
0.495823	0.942118	1.911583	1.553375	0.208902	-2.48428	-0.34434	0.430502	2.233747
-0.36737	NA	0.486709	0.49849	0.549424	1.772906	-1.01548	1.364977	2.686997
0.967917	0.940673	0.589926	1.755186	1.707743	NA	0.446445	1.497981	0.825288
-0.496	0.971653	0.545254	NA	-0.23368	-1.11267	0.264936	1.436931	1.150925
1.245247	0.970392	0.641461	1.364361	0.174208	0.308773	-0.09795	1.523835	1.251329
1.190117	2.032491	0.765896	2.351967	2.152079	-1.91157	1.62021	0.763585	0.331459
1.183816	1.776742	1.710319	1.763397	1.984148	-2.61418	1.987947	0.31119	0.862883
1.302031	1.617944	0.980736	1.286309	0.525368	-2.48932	1.452414	0.655395	1.147608
0.948462	1.008727	1.482302	1.176188	0.96768	-3.10675	1.16941	0.912133	1.902434
0.871298	1.359842	-0.10835	0.498762	0.579873	-0.97845	-1.33292	1.038222	0.981168
0.831566	1.252215	1.846008	NA	0.831693	-1.77766	0.679645	0.645664	1.269091
0.061638	1.711505	1.551579	0.478446	-0.67433	NA	-0.45527	0.931904	0.983048
0.27843	0.890945	0.628921	NA	1.407682	-1.9311	0.117825	1.867959	1.891238
-0.00333	0.500134	0.088982	0.697226	-0.1753	-0.84802	-1.1034	1.545865	1.013727
0.141161	1.581123	0.631085	1.399157	0.724795	-0.84072	-0.77636	1.433889	1.614564
1.017681	1.528426	1.478417	1.298373	1.64381	1.894315	2.023142	1.34181	1.349148
1.524033	1.30309	1.59291	1.328795	-1.69889	-0.8086	-0.80998	1.593743	2.136121
-0.06219	1.189355	1.52791	0.936474	-0.03791	-2.07975	0.465313	2.041808	1.715184
0.097244	1.275757	0.230923	NA	-0.87644	NA	0.413672	1.492068	2.584114
NA	1.551647	1.240643	0.862424	-0.12213	NA	-0.12054	1.212475	1.200332
1.138824	1.511014	1.337718	1.356843	0.034941	-2.16024	-0.27152	0.333588	1.443395
0.403375	1.282296	1.131087	1.185986	0.674599	1.488634	-0.18905	1.349995	1.542393
0.904667	1.702973	1.202069	0.734326	1.5718	-1.14486	1.310633	0.595392	0.631338
0.206825	0.704253	1.299948	1.199065	0.423411	NA	0.350543	0.909277	1.079675
0.386857	1.147909	1.311121	0.223731	0.084521	-2.94519	0.594267	1.150225	0.230257
0.656475	1.617422	2.13759	1.761954	NA	NA	0.477247	0.284462	1.026616
0.512702	0.899967	1.417051	-0.11931	0.355735	-1.56513	0.260979	0.620929	2.008915
0.888936	1.283527	0.604715	1.503362	2.273778	-0.56418	2.227089	0.651206	0.919796
1.621021	2.474836	1.027857	0.655869	-0.46879	NA	0.053266	0.528391	1.703306
0.160925	1.194276	1.018605	0.842139	-1.6426	-0.49481	-0.68964	1.783558	1.54131
-0.13414	1.01044	0.476181	0.089395	NA	-1.22073	-0.66272	1.383196	1.582798
1.243411	1.603261	0.742675	1.748158	0.835369	-1.84378	0.934165	1.336823	1.944534
1.236314	1.478804	1.130322	0.917127	1.532043	-2.80833	2.049767	0.429548	0.602341
0.709724	1.280077	-0.10948	-0.38866	1.800207	-0.73005	0.439872	0.929778	1.470534
0.600763	1.035006	-0.28441	0.481844	-1.03356	-0.56658	-0.21738	2.106368	1.534251
0.648028	1.173023	0.714968	1.856879	1.572219	-1.22304	0.878279	0.582916	1.302957
0.85694	1.500908	1.612941	0.930998	0.867851	-1.78982	-0.33478	0.502644	0.581283
0.952255	1.573841	1.801846	0.933838	2.61152	-1.12053	1.849041	-0.44371	0.34778
1.449581	1.60833	1.119873	1.463001	-0.04088	-1.69976	0.293253	0.590834	1.118539
1.281594	1.55987	2.203343	0.642156	1.520292	-0.16236	0.494346	0.800144	0.261576
0.486495	1.309403	1.129258	1.038772	0.416966	-2.11692	0.521961	1.627457	2.057588
0.725677	1.283999	1.341364	2.059024	NA	-1.70636	0.842649	1.169314	2.080937
-0.24379	1.801554	0.360189	0.394259	-1.00529	-0.64973	0.136594	1.109972	1.049876
0.374157	1.925086	0.829066	-0.6602	-0.51052	NA	-0.41566	1.278183	1.080496
1.452358	1.217964	1.059366	1.449878	1.76453	-3.20837	2.118679	0.4255	1.246598
1.015425	0.924759	1.569816	1.0072	0.088507	0.87289	0.30106	1.017611	1.669771

1.07951	1.755497	0.686685	2.015863	1.56332	-1.01596	1.597018	0.95378	2.950138
1.027541	1.63775	1.071781	NA	0.106847	-1.11731	0.722007	1.406178	1.594739
0.362546	0.867994	1.246349	2.67557	0.805545	1.133331	1.3369	0.936263	1.024009
1.083748	1.295745	0.096734	NA	-0.01779	-1.82597	0.165153	1.735943	2.383412
-0.51529	1.50577	0.801932	0.79112	-0.89261	-0.96046	-1.17617	1.815364	2.165125
-0.57519	1.327865	1.27047	0.936949	0.835627	-1.6817	-1.34324	0.369543	0.693399
1.243158	1.197285	0.914627	1.007517	0.891819	-2.08554	2.288574	1.058838	1.028927
0.677306	0.998419	1.071981	1.972547	1.215822	-1.76372	-0.16595	0.81443	0.66402
1.237124	1.589852	1.247434	2.178698	1.549681	-2.06702	2.110617	0.625447	1.439587
0.407267	1.378229	NA	1.02752	NA	-1.57254	0.097284	0.83908	1.927205
1.825255	1.545478	2.162551	NA	-0.77742	-0.51719	0.141794	0.819196	1.124449
1.286975	1.821425	2.258263	NA	0.538737	-0.6903	0.372161	0.57771	1.15097
0.2213	1.478582	1.447515	1.141986	0.160051	-1.77961	-1.48933	0.718442	1.658573
NA	1.462337	0.339997	1.43786	3.06685	0.122895	1.822995	1.47435	1.155289
1.825612	1.914961	1.296494	1.450561	1.396293	0.400333	1.29205	1.044997	1.28941
0.780006	1.594253	1.092739	1.805013	2.221306	-1.10905	2.027912	0.158003	0.421918
1.005416	1.457389	1.215688	1.58222	1.079379	-1.47617	1.068738	0.494939	1.223807
0.774382	0.978267	1.307429	0.517047	1.128178	1.482734	0.289882	0.668589	0.610208
1.116581	1.524231	1.217531	1.14877	0.590367	0.655666	1.929619	0.454205	NA
0.845804	1.348805	1.565996	-0.00048	0.17055	0.156033	0.697376	1.197737	0.890072
0.448602	1.869606	-0.05017	0.513878	0.432215	-0.11631	-0.60229	1.463879	0.197306
1.357185	1.399575	1.083518	1.491775	0.407002	-0.75357	0.615584	0.695423	1.544782
0.014186	0.96525	0.913014	1.101946	-0.9369	-0.80842	-1.12034	1.629044	2.112372
0.800799	1.642402	0.604012	1.719876	0.226155	-0.67746	0.916388	0.808747	1.399632
NA	1.304661	1.079588	0.467998	1.44291	NA	0.50473	1.282527	1.013558
0.29733	0.716268	0.323866	1.030372	0.759861	-1.19993	0.48778	1.715789	1.932344
0.466824	0.3013	1.551536	1.116684	NA	NA	-1.00878	0.439506	1.133868
0.846325	1.373936	0.857942	1.351778	-0.19714	NA	0.043928	1.870641	1.608295
0.334613	1.898241	0.089391	2.031925	-0.24461	-0.67079	0.485857	0.584694	2.471011
0.43419	1.699995	2.351743	0.949302	0.370129	-2.20782	1.38711	0.458213	1.427459
1.401701	1.511038	0.981946	1.861477	1.233602	-2.06689	0.725565	0.507801	1.603769
0.586727	1.378457	1.796576	1.107109	1.432758	-2.09035	1.445412	1.235398	1.339652
1.44406	2.145943	2.033491	1.924701	1.623325	-0.55585	0.024944	0.734654	1.099565
-0.1715	1.58302	NA	1.75088	0.524521	-0.8534	-0.83813	NA	1.545757
0.65388	1.075644	1.082026	1.052619	-0.28398	-0.99125	0.274872	1.662463	1.834338
0.644722	1.172569	2.209074	1.735161	0.872974	-0.63527	1.244051	0.901482	0.880559
1.447063	1.609716	1.656658	1.256543	1.279911	1.01036	0.354084	1.265177	1.398279
1.4209	NA	1.222944	1.156497	1.016835	-2.42622	1.409517	0.478003	0.68091
1.409692	1.318658	1.399973	1.249087	0.929006	1.228019	1.659953	0.869237	1.205872
1.670917	1.829582	1.091015	1.599885	2.157439	1.153825	2.771018	0.833782	0.083287
1.131986	0.709281	1.362514	NA	1.829297	-2.2398	1.685762	0.802698	1.041874
1.110345	0.655513	1.570278	0.775986	1.291326	-1.22258	-0.02766	1.444501	1.497391
1.318687	1.555199	1.557643	0.929898	0.324081	-0.88402	0.609388	0.813457	0.773499
0.721811	0.934403	1.734685	1.735225	0.579826	-1.64595	1.372385	0.128505	0.516341
1.129711	1.411985	0.679708	1.596959	2.052481	-3.09081	1.104542	-0.17598	1.242562
1.092467	1.361561	2.528169	1.242507	1.183921	-1.35802	-0.22347	0.95644	1.165091
1.078027	1.432486	0.917468	1.413188	0.141549	-0.43979	0.890795	0.620171	1.52373
0.778137	1.726031	0.799582	0.310439	1.914287	-0.46918	1.883623	1.514284	1.387177
0.616869	1.474678	-0.05277	0.938492	0.121695	1.691689	-0.00477	1.367557	1.529278
0.979647	1.767741	1.124437	1.495122	0.990777	-0.93415	0.638636	0.797365	1.445932
1.025102	2.281926	0.961449	1.718134	2.311908	NA	-0.14944	0.562266	1.295611
0.541614	1.624324	0.632567	0.479541	0.136045	0.05694	-0.22994	0.827331	1.732957
1.51241	1.7338	0.552578	1.270926	0.056218	NA	0.487604	1.37289	NA
0.526239	1.59336	0.993806	1.651063	0.777234	-1.66231	-1.31289	1.195096	1.740903
0.936092	1.613427	0.765057	1.077987	0.229256	-0.92125	-1.34839	1.237353	1.515524
2.093495	0.8784	1.075354	1.710232	0.75113	-1.68266	1.535437	0.721146	0.638832
0.638017	0.911638	0.449281	0.450279	0.975831	-1.33778	1.219955	1.099593	2.04604
0.878274	1.570548	1.141631	0.850844	-0.1338	-0.6846	-0.13406	0.695835	1.43482

0.641615	1.187196	1.203739	NA	0.344791	-1.59446	0.011358	0.915323	0.842408
0.014017	0.688201	-0.13169	1.955373	-0.7609	-0.21589	-0.28788	1.409729	2.035588
0.803788	1.140383	0.496629	1.121921	NA	0.693294	1.200639	1.861311	0.588773
2.168177	1.816136	1.206637	-0.07288	0.695173	-0.48447	-0.40445	1.331593	1.604887
1.245837	1.196126	0.862521	0.342029	0.788665	NA	2.422646	-0.039	1.733846
1.003897	1.953156	0.779697	1.189913	NA	-2.348	0.490013	1.085015	1.96321
0.284779	1.085898	1.066347	0.49252	0.972265	NA	0.437925	0.530295	1.189009
0.693619	2.548609	1.450987	1.414175	0.129705	-1.43914	0.345236	0.828492	1.374909
0.587399	1.419662	0.534063	1.06036	-1.26931	-1.00705	-0.5666	0.842538	0.713397
-0.75281	1.260125	1.397214	1.299403	1.041749	-0.54596	-0.71617	1.645065	1.423402
0.731976	1.604582	1.304824	0.217015	0.95884	-1.11039	-0.01347	1.603205	1.617027
0.759913	0.895033	0.431829	1.247087	0.103478	-0.78088	0.409596	1.607435	1.993287
1.574805	1.962362	1.852313	1.750395	1.073347	NA	1.164317	0.474755	0.67838
0.853301	1.529345	1.39529	2.183782	1.898494	-2.21184	1.10987	0.633619	0.918361
0.528514	0.967925	0.861322	1.062472	0.099235	-1.25134	-1.37883	1.098366	1.872191
0.530457	1.854922	0.6102	NA	2.052462	-1.29502	-0.80289	0.444585	0.623989
0.796003	1.624067	1.693436	1.693077	1.095335	-1.61522	0.446733	0.844761	0.689468
1.000144	1.447531	0.649229	1.275837	0.960871	0.620881	0.896136	0.523517	1.084101
1.378625	1.949388	1.438288	1.963504	2.405339	-2.6251	2.230614	0.687677	0.763413
0.415473	1.441942	1.14416	1.157994	1.270767	NA	-0.03275	0.986483	0.834927
0.251373	1.448284	0.559206	0.423913	0.567234	NA	0.905234	2.070445	1.354597
0.82292	NA	0.409704	NA	-0.40766	-0.61852	1.096737	0.782288	1.853268
0.21757	0.965158	1.32675	NA	0.670258	2.708744	0.033023	1.590889	1.551358
0.264248	0.976913	0.541838	1.088532	0.951175	1.09838	0.48576	1.451495	1.826247
0.315065	1.250437	1.584773	0.819639	-0.85791	-1.64936	1.07015	1.562404	1.444939
0.793695	2.215145	1.226799	1.501792	-1.74411	-1.38008	-0.44465	0.421828	2.368208
0.877377	2.205291	0.436639	1.086119	-0.7196	1.256209	1.832259	1.057598	0.690577
1.30755	1.608144	0.391298	1.039438	0.313862	-0.832	-0.54997	0.345837	1.171007
1.681665	NA	1.505105	NA	1.006191	-1.90406	1.424882	1.091948	1.690807
0.11669	1.218199	1.217896	0.965182	1.45133	-1.7856	1.075566	0.58321	0.388944
1.326082	1.54749	0.868556	0.669212	0.112249	-1.33043	-1.39927	1.055839	1.677753
0.463953	0.936896	NA	1.417597	-0.08827	-1.88847	-0.11393	1.027808	0.93229
0.871266	1.052419	1.397049	1.29073	2.443444	2.148866	1.654183	0.096921	NA
0.851502	2.26433	1.367286	NA	1.525321	-1.11055	-0.38893	1.504745	1.050686
NA	1.716682	0.617549	1.069968	0.475467	-1.6138	2.474403	-0.21749	1.086959
0.309602	1.01989	0.212539	-0.11475	-0.96263	-1.0199	0.536377	0.30258	0.723764
0.357409	1.34229	1.491301	1.315233	-0.96592	-0.7138	0.566297	2.045922	0.546099
0.062502	1.096384	0.27778	0.859877	-0.12178	-1.82981	-0.06252	1.66505	2.415352
1.24011	2.014891	0.532123	1.009872	-0.65509	-0.52964	-0.01359	1.20594	1.429045
1.110201	0.995773	0.791685	1.026254	1.21516	-2.26635	1.74212	1.05232	1.898574
0.475631	1.66807	1.099511	-0.2701	-0.49195	-0.55474	-0.27678	0.988793	0.99016
0.486093	1.505501	1.377432	0.957959	0.483676	-0.6053	0.39358	0.790628	1.063141
0.862653	1.306617	1.526179	1.276703	0.754054	NA	2.63696	0.857599	2.276523
0.308161	2.10173	1.022903	0.560816	NA	-2.73349	-0.47515	1.362998	0.458231
0.640698	1.422048	0.985907	2.108981	0.990353	-2.06512	-0.1174	0.599822	0.849816
0.453945	1.155729	1.151956	1.027996	1.18985	-0.96117	1.098557	1.244807	1.326618
2.041778	1.688641	1.742835	0.18275	NA	-0.41684	-0.25193	1.543012	1.01737
1.38456	0.416026	0.538331	1.034508	1.094676	-1.73842	1.568595	1.112438	-0.07421
1.149518	1.033443	1.530751	1.555124	NA	-1.61792	-0.09012	1.23646	1.451442
0.661399	1.028928	2.46635	1.378834	0.517252	-0.70075	1.072428	0.907685	0.518338
1.29685	1.496352	1.662132	0.826503	-0.0834	-1.50278	1.15442	0.71027	1.644987
NA	2.187056	1.419966	NA	1.675225	-0.68763	0.907522	1.042209	1.00238
0.575635	1.982528	0.991206	0.952772	-1.07714	-1.1942	-0.58973	1.479943	1.826412
0.994031	0.507399	1.203561	1.477879	1.122768	-1.57826	1.076487	0.690752	0.548428
1.012877	1.961561	1.688601	1.243101	1.585129	-1.99123	0.757978	0.274302	0.257705
0.354819	1.297782	0.908056	1.39982	0.519321	-0.35905	0.06908	1.85304	1.731358
1.35858	1.509611	2.01092	-0.28975	0.090391	0.224531	0.695195	1.358315	0.491382
0.718517	1.777171	1.083979	1.214427	0.098533	-0.76442	-0.44275	1.323973	1.337566

1.267842	1.433191	NA	1.791961	0.877211	-1.54124	0.660308	0.796874	0.980872
1.193396	1.246679	0.523	1.540441	0.660771	-0.84249	0.974544	1.705488	1.995251
0.491103	1.733448	2.092989	1.350747	0.627214	-1.39607	-0.64313	0.36756	1.66993
0.347128	1.43265	0.436785	2.349856	1.706729	-0.77329	1.020861	1.044057	0.637702
-0.26613	0.489611	1.664627	1.0555	0.010698	NA	-0.29832	-0.02928	1.719334
-1.07626	1.6491	0.717222	0.680093	-1.03293	-0.93304	-0.86599	1.038248	1.408319
NA	1.290147	0.115137	0.301507	0.622578	NA	0.864321	1.469403	1.600833
1.421594	1.123148	1.384699	2.243413	0.209347	-1.22474	0.173388	1.541165	0.678778
1.053352	1.273087	1.357185	1.324522	0.733112	-2.53124	1.351896	0.577682	0.750746
1.664588	1.434489	0.966265	1.452433	1.615268	-1.10058	1.645718	0.719356	1.167156
0.315513	1.203089	1.084872	2.054592	0.548434	-1.59061	-0.15363	0.900424	1.337435
0.916763	0.946292	1.264258	1.330375	0.973929	-1.01556	1.052541	1.154622	1.502825
1.092838	1.210527	0.58539	1.622752	1.995807	-1.36799	1.834985	1.174664	1.694582
1.326951	1.725817	1.207894	1.209061	0.039192	-1.08763	0.510308	1.411858	1.575693
NA	1.820797	1.14668	0.556503	1.084798	-1.62718	0.831359	0.256462	0.796511
0.30603	1.034708	1.795464	NA	-0.02274	-1.40624	-1.24309	0.608669	0.679561
0.409642	1.519982	0.924427	NA	1.115348	-2.11801	-0.32132	1.019262	1.614359
1.252946	1.137282	0.425192	1.196388	1.476681	-0.73638	1.349651	1.176575	1.206118
0.77794	1.353883	0.600355	1.056414	-0.00295	-1.35213	-0.32645	1.111887	1.686035
0.522927	1.117529	0.178051	0.891309	1.474105	-0.59828	1.145713	1.147027	1.205682
1.134106	1.041298	1.391892	1.433048	0.524939	-1.12864	0.295924	1.459771	0.615077
2.433564	0.934084	1.105736	1.275926	0.258765	-1.49264	0.80161	0.819657	1.208183
1.178862	1.268464	1.249676	0.862438	0.842523	-1.13605	0.822718	1.177606	1.798904
0.993776	1.142995	0.248844	0.337223	0.822293	NA	0.978372	0.813107	1.391992
0.425409	2.225825	0.837675	NA	-0.71431	-0.84188	-0.42267	1.400641	2.153629
1.006379	1.071426	0.787756	NA	1.262425	-1.48512	0.780781	0.959356	0.991122
1.238042	0.941734	1.434927	NA	1.955672	0.585531	2.283141	-0.43006	1.361076
0.475043	1.519976	1.628031	-0.06593	1.093193	-1.31505	0.94893	0.666884	0.767562
1.479328	1.620488	0.737482	1.915377	1.521005	-0.08768	2.165616	-0.30233	1.471209
0.348455	0.854343	1.420346	1.384826	0.455522	-0.19619	0.625963	0.847643	1.818296
NA	1.033396	1.782594	0.540474	1.078883	-1.80027	-0.38713	1.716531	0.404401
0.833239	1.409748	0.591641	1.024241	0.309144	-1.74001	0.533895	1.06443	1.668708
0.882097	0.970011	-0.05547	1.113551	0.913317	-0.34054	1.345005	0.452582	0.738164
1.326349	1.647209	1.053894	0.585616	1.800029	-0.7908	0.411418	0.876008	1.858656
2.807478	1.103793	0.83667	1.62831	0.734183	-0.69558	0.964618	0.325143	1.629434
0.253187	1.296034	1.16359	0.653532	-1.04504	NA	-0.73156	1.490189	2.093558
0.717007	0.345987	1.513198	1.327484	2.272649	NA	0.896607	0.887685	0.226625
0.337789	1.195549	0.44653	1.255476	-0.02883	NA	-0.70209	1.680185	1.341405
1.04442	1.442127	0.678811	0.596141	1.523916	-2.16581	1.34766	0.495412	1.508905
0.865154	1.712948	0.324257	0.845965	0.728876	-0.86093	-0.56607	0.862673	1.199022
0.292666	1.18738	0.121831	1.634998	1.059935	NA	0.416105	1.325678	1.578943
1.059166	1.398651	1.303728	2.277103	NA	-1.72616	0.800913	0.777344	1.108186
0.513881	1.213096	0.904501	1.37603	1.739246	-0.40867	-0.63575	1.229106	1.742775
0.804571	0.038719	1.304909	NA	0.024914	2.028999	0.170973	1.32996	1.75767
1.291886	1.129636	0.751306	0.923353	NA	1.126433	1.431067	2.627953	1.06192
0.506238	1.776587	1.068011	0.949177	1.301505	-0.03938	0.199096	1.249757	1.579322
0.62231	1.664285	1.718959	1.44747	0.449077	-1.07887	-0.26675	-0.09029	1.79587
1.667293	1.728161	1.011629	NA	0.017026	-1.47408	-0.3652	0.822957	1.637452
0.703223	1.226669	0.197023	1.195231	NA	-2.26322	0.410581	0.913633	1.589325
0.452531	1.121658	0.431731	0.345586	0.258984	-0.20835	0.080798	0.93084	0.604847
0.144755	1.502183	0.892724	1.574202	2.166016	-1.34742	1.248646	0.426656	1.142453
0.427314	0.864943	0.718503	0.863399	1.592824	NA	2.176096	1.197124	-0.91456
0.694553	0.992213	0.96942	1.299013	1.379595	1.451909	1.139003	1.266164	1.764117
0.345611	1.562923	1.175201	1.979043	NA	-2.28758	0.24571	0.584699	1.943251
0.435174	1.578316	0.696281	0.707097	-0.02007	0.731382	-1.64805	1.266328	1.886835
0.648922	1.397584	0.781641	1.502671	1.447991	-0.79318	1.831936	0.952718	1.212915
1.044768	1.265434	1.64118	1.082779	0.479895	0.211472	1.114868	1.22617	1.427258
0.335627	1.721015	1.052362	0.841417	0.320044	-1.02067	1.825436	0.756089	0.965879

0.978938	1.509276	1.485744	0.957433	0.121373	-1.17818	-0.11798	NA	1.582097
0.323883	1.287778	0.384353	1.888022	1.134534	0.832227	-0.22172	-0.11139	0.241858
0.301769	2.187571	1.056767	0.94194	0.382064	0.652817	0.217588	1.090446	0.319306
1.11688	1.599666	1.090114	1.685066	0.283771	-1.76346	1.67182	0.713987	1.548735
NA	1.189993	1.226122	0.873479	-0.39162	NA	0.153657	1.765455	2.189423
0.939846	0.875189	1.725565	1.628218	1.102276	0.34934	0.582013	0.804599	1.203278
NA	1.374603	1.458133	1.208212	0.604519	-0.64121	-0.96338	0.158982	0.648269
1.390109	1.405081	1.744755	-0.04009	0.616674	0.073039	0.79028	0.870988	0.166168
0.733149	1.215543	1.097171	1.171039	-0.12388	-1.10319	0.140617	1.251683	1.598488
0.974387	2.02092	1.688393	0.728799	0.718297	NA	1.094911	1.018134	0.357472
0.912056	0.29732	1.510159	1.598587	-0.20289	-2.23975	0.254087	1.37083	1.571703
0.602774	1.045771	1.081991	1.197668	0.870544	-2.81855	1.045447	1.764753	1.573862
0.688077	NA	0.224827	NA	1.189587	0.552675	0.637982	0.196223	1.471592
0.183247	1.476362	0.373803	0.926378	1.577694	-0.55394	0.370533	1.608659	1.054726
1.588145	1.551978	1.790146	1.48765	1.838851	-2.51214	1.476576	0.735545	1.403821
0.664023	2.250771	1.55979	0.495085	0.97177	0.911384	-0.16798	1.311774	1.760377
0.822268	0.638018	0.464313	1.079973	0.442871	-2.26932	0.36722	0.717319	1.83532
NA	1.584607	0.30723	2.251107	0.217562	-1.30109	1.500181	0.855823	1.806245
0.945624	2.026598	1.170289	2.060224	1.565512	NA	1.829426	0.916118	1.853235
0.82576	1.13138	0.815585	-0.26461	1.846419	-0.94848	1.554565	1.515142	1.095834
0.446233	0.70765	0.967921	0.594645	0.696118	0.526815	0.46871	1.135589	1.462461
0.387179	1.216208	0.847285	0.528361	0.096477	-1.94834	-0.12058	0.654042	1.511019
1.037914	1.167686	1.126536	NA	0.11164	-1.11038	0.004159	1.254756	1.64466
-0.16792	1.357659	0.369401	0.707507	0.642689	-0.95585	-0.57109	1.82713	1.599591
0.173363	0.851699	1.191469	NA	0.163602	-1.18272	-0.20383	0.760405	1.039172
0.813205	1.056045	1.239074	0.990068	1.657436	-1.80745	0.559931	0.918879	1.484991
0.791196	1.799223	0.403845	1.163133	0.118106	-1.40231	0.179759	1.238308	0.986494
0.223636	1.679685	0.215897	1.188184	-0.83441	-0.52606	-0.97089	0.70644	1.871568
0.739551	1.84062	1.200833	1.045368	1.558123	-0.01494	1.912791	0.567787	-0.112
0.962054	0.596326	0.682868	0.505917	0.066987	-0.90764	0.828018	0.540245	0.478259
1.164321	1.087403	1.230629	1.511615	0.326406	1.217716	1.401674	1.166249	1.367419
0.448633	0.625085	1.506154	NA	-1.20271	-0.94651	-0.48802	1.101983	2.307011
1.051198	1.194183	0.923093	1.553936	0.538078	-1.91831	1.463186	0.997236	1.110207
0.118727	0.508763	0.630498	0.822005	0.681256	-1.55212	0.164104	1.590342	1.799836
1.033125	1.45454	2.230067	1.331097	0.088803	NA	0.328696	0.888997	1.291975
0.907887	1.055255	0.519343	0.955488	0.455802	-0.77556	-0.80709	1.111779	1.651119
0.669785	1.082075	1.290797	1.392267	1.399007	-1.963	0.896885	0.139504	1.090224
NA	0.858826	1.273994	0.956947	-0.9594	-0.47144	-0.66387	0.718121	1.213059
0.039269	0.988706	1.363499	1.435742	0.835305	-1.89854	0.578229	1.372437	1.453378
0.165999	1.735966	-0.22749	0.313859	0.310768	0.075187	0.410531	1.847403	1.762453
0.831249	1.479878	1.011938	0.989402	0.88875	-1.21116	-0.27708	1.399377	1.844022
1.410595	1.633751	0.485592	2.035905	-0.93519	-0.56694	-0.88558	1.588041	0.902881
0.482981	1.643356	1.075994	1.438819	1.871428	-1.2653	-1.62023	0.146326	1.259442
0.978226	1.464651	0.602227	0.53388	0.742139	NA	1.527786	0.097047	1.400658
1.158405	NA	1.197615	1.783553	1.286579	-1.9991	1.015768	0.780396	0.996193
1.001354	2.077196	0.839381	1.227245	0.476769	NA	0.9223	0.28415	1.329018
NA	0.511626	0.282582	0.966522	0.913113	-0.20294	0.873599	0.697935	2.309843
0.964346	0.930481	1.096235	-0.05784	-0.24496	0.422695	-0.13894	1.154898	0.668925
0.375805	1.006521	0.832016	1.352059	NA	-1.8677	0.158307	1.050612	1.922776
0.39205	1.341322	1.253959	1.207467	0.307131	-1.84045	0.681995	1.197453	0.904753
0.497834	1.538376	2.483931	NA	1.419137	-0.96864	-1.02568	1.216438	1.514003
0.58116	1.303346	1.265788	1.462987	0.114286	-1.8679	-0.5619	1.171763	1.057695
1.379954	1.111138	1.828092	1.260929	1.952103	-1.53317	1.20781	0.065116	0.708831
0.584228	1.238903	0.079064	NA	1.004723	-0.89999	1.519194	0.768163	NA
0.292921	1.439007	NA	1.036237	NA	-1.0294	-0.60835	0.218678	0.9288
0.42017	0.784183	1.437557	NA	0.991607	-2.8518	0.558812	0.57221	0.715586
0.347514	1.124597	0.819883	1.001829	1.43822	NA	2.398011	1.132012	1.286638
0.731818	1.210624	1.181515	NA	1.296626	-0.07204	0.763855	0.794642	1.048679

0.335931	1.169687	0.783134	1.975569	-0.1574	-1.36123	1.169576	1.28165	2.615427
1.055692	1.877583	0.714847	1.500167	1.473814	0.538438	1.711361	0.779537	1.251542
0.571551	1.286759	1.371404	1.138906	NA	-1.37624	0.761834	0.456193	1.137354
0.681918	0.789538	0.869622	1.699057	0.055126	-2.43471	0.724363	0.746847	1.644765
1.282782	2.129279	0.050739	1.311225	1.122175	1.251805	1.345372	0.431472	1.003209
0.348564	1.768588	1.573062	1.270684	-0.80496	NA	-0.82714	0.701005	1.262638
0.537431	0.623928	0.64394	0.277999	0.94968	-0.3678	-0.66208	1.002147	0.607948
0.622577	1.19255	0.944345	1.688062	1.463024	-1.82177	0.748655	0.813538	0.971626
0.030576	1.042962	2.03848	0.715326	0.213747	-1.10059	0.400114	1.684319	1.098299
-0.3016	1.118216	-0.24239	0.730193	1.861215	-0.72119	-0.01323	0.862817	0.597561
0.026925	0.770435	0.787786	0.775337	1.199965	NA	0.687051	0.573379	1.13224
1.374787	1.47644	0.643277	0.11395	1.524868	NA	0.971377	0.481584	1.502657
0.316994	NA	0.954908	0.648938	0.340929	-0.84562	-0.26392	1.426846	1.155147
1.126719	2.059452	1.065794	0.391871	0.650241	-0.70965	0.214873	1.053773	1.374983
0.938559	1.100646	-0.10093	0.274972	1.287923	-0.87322	0.96986	1.366595	1.650467
0.584017	1.152331	1.020094	1.085578	1.207995	-2.01317	1.596797	0.777541	1.073325
0.688076	1.333391	0.463038	1.029083	-1.43673	0.343253	0.067717	0.772509	2.300854
1.131532	1.220152	0.292798	NA	-0.88519	-0.82973	1.181718	0.764221	0.913093
0.34054	0.786783	-0.15181	1.619088	1.125661	-1.08828	1.708417	0.996008	0.663697
0.52382	0.186857	-0.05676	1.325159	-0.92968	-0.56372	1.234527	0.479761	1.582888
1.290607	1.285022	1.136639	0.220158	0.328822	0.398722	0.086916	1.100644	1.734628
-0.11521	1.104064	0.856422	0.757955	-0.27129	-1.60784	0.833932	1.206239	0.122444
0.844395	1.338106	0.793376	1.097715	1.126757	-0.45198	-0.67026	1.25905	1.941518
0.308674	0.673438	0.760728	-0.00026	0.476503	NA	0.606129	1.340944	0.204169
0.257118	0.68492	1.212903	0.831794	0.672322	-1.22062	1.216921	0.753528	0.800595
0.81164	0.772356	1.771329	1.958597	1.037395	NA	0.915073	0.873873	0.675676
0.23171	1.595447	1.957681	1.255027	1.005473	-2.15164	0.711594	0.25426	0.350101
0.947456	0.603542	0.273195	-0.19563	-0.34979	-0.30464	-0.35477	1.694345	1.565064
0.58559	0.688583	0.525577	1.032164	-0.86808	-0.87231	1.241518	0.836499	2.056748
0.476449	1.014127	1.236378	1.063573	0.860815	-2.5274	0.052423	1.525018	1.465086
0.90596	0.923795	0.328416	1.243094	1.632239	-1.64067	1.30497	1.172789	1.515872
1.118586	NA	0.605772	0.490422	0.38883	-1.97042	0.778287	1.119055	0.82269
0.525965	1.483553	0.828324	1.679025	1.623818	-0.6245	-1.01314	1.116903	0.322346
0.326438	1.143096	-0.28072	NA	NA	1.207152	1.944002	1.516841	0.413527
-0.15641	1.021332	0.071079	0.916175	0.554733	-2.00162	0.541858	1.093362	1.147356
1.10238	1.586017	1.143342	1.460145	1.004725	-1.72565	1.092448	0.739047	0.497084
NA	1.435404	0.502535	0.825452	0.058165	-1.23157	0.566931	0.945723	1.549785
-0.04147	1.021275	0.83968	0.363499	0.465187	-1.37849	0.855308	0.873315	1.616585
0.828347	1.527423	0.844609	1.285695	0.931886	-1.75475	-0.82054	1.063174	1.192681
-0.3038	1.005616	0.6093	0.47609	0.542964	-1.65424	1.565653	1.324837	2.219758
NA	1.133548	1.477271	1.537969	0.712756	-1.20663	0.397223	0.443149	1.585641
0.475622	0.883143	1.45847	1.250114	0.745685	-0.75267	0.656953	1.608777	1.533388
0.382443	0.933697	1.026	1.430301	1.518249	-1.89292	1.125987	0.81969	0.99804
0.375854	1.797976	1.596713	1.249436	0.243461	-1.64556	0.700766	0.28011	1.175293
0.772396	1.661163	0.249898	1.582517	0.671992	-2.17063	0.242977	0.725792	0.913339
0.780149	2.005071	0.877792	1.468866	1.924813	-1.82208	0.415993	0.878988	1.098506
0.827851	1.353164	-0.14815	0.870679	1.821266	0.859282	1.868004	1.288132	1.201057
0.784714	NA	0.592992	1.0126	0.296633	-2.0377	0.121963	1.359968	1.411751
1.105898	1.011666	1.059881	1.04847	1.333711	-0.65188	1.736024	0.646518	0.606789
0.289808	0.702249	1.624291	2.075156	1.183282	-0.13578	0.736	0.73639	0.700979
0.697642	1.194663	1.223431	1.07689	0.947398	-1.43205	1.241087	0.906598	1.087505
0.977545	1.343266	1.191357	0.162085	1.471899	NA	1.076904	-0.12722	0.278853
-0.14876	1.043141	-0.31685	1.379486	1.320732	1.629855	2.198749	0.455803	0.687788
0.267008	0.691278	1.027735	1.065463	-0.38295	NA	-0.49938	0.699938	1.444538
0.63543	0.27667	2.145463	1.044889	0.262259	1.083607	0.245288	0.324557	0.852985
0.855527	1.425929	0.983151	1.865755	0.052677	NA	-0.22822	0.529177	1.156227
1.462294	1.631349	1.736956	0.57382	-0.12988	-1.65562	0.118973	0.503843	1.121176
1.179884	2.057649	1.295827	0.339152	1.078445	-0.89447	-0.0907	1.01778	1.654868

0.492989	0.883905	1.044485	NA	0.000902	-1.63536	0.387075	1.378832	NA
0.142087	1.356697	1.435377	0.895195	0.58617	-0.98339	-1.3471	1.3036	0.993234
0.74077	NA	0.761511	1.151198	1.353863	-1.53727	-0.06725	0.565986	1.295393
1.125427	1.207672	0.991504	1.849991	1.259154	-1.62008	1.878789	0.234782	1.113141
0.07691	0.844478	1.486046	1.530377	1.285526	-1.11927	0.657672	0.788552	1.043311
0.385568	1.321284	0.910598	NA	-0.08094	-1.62326	-0.38602	0.829931	1.611426
0.975989	1.320747	1.598485	1.011448	0.493128	-0.23454	0.13289	0.616765	1.213288
0.661242	0.777339	0.658657	1.267512	0.908714	-1.86161	0.975626	1.49689	1.031946
1.448171	1.377848	1.183199	1.23855	1.37723	-1.79043	1.438093	0.580477	0.827463
0.566856	1.01588	0.881013	0.446694	-0.59672	-1.0905	-0.23803	1.044202	1.001231
NA	0.998105	1.492968	1.886831	1.204158	-2.07132	0.600737	0.57382	0.886761
0.133928	1.488389	1.307942	1.27349	0.953877	2.054672	1.758363	0.609548	0.05829
0.641454	1.359959	1.452813	0.81774	0.056095	-2.31319	-0.05255	0.664826	0.994092
0.879226	1.662007	0.686817	0.805702	0.103576	-1.0588	0.390096	0.546956	1.167586
0.611354	1.087326	0.914997	1.004679	-0.04257	0.719067	0.777751	1.029324	1.982995
0.492075	0.650967	0.435984	1.164016	2.769141	-1.01152	2.165267	0.921627	-0.19578
-0.00384	0.301106	0.406845	1.157516	NA	-0.81526	2.513113	1.314503	0.891691
0.408541	1.089505	0.660319	0.879033	-0.27361	-1.41575	-0.00353	1.857349	0.776694
1.867907	1.185694	1.192318	NA	1.489933	-1.64553	1.353089	0.889695	-0.38076
0.808302	1.971974	1.334653	NA	0.178791	-0.42928	-0.07237	0.640697	1.423338
0.471629	NA	0.124662	0.944933	1.424528	-0.07913	0.65072	0.043713	1.447091
0.050592	0.997601	0.710458	0.749026	2.306638	-0.67432	0.370032	0.258242	0.941754
0.338181	1.31054	1.081088	0.834674	1.734426	-1.01308	1.030873	1.039478	0.058934
0.690176	1.07572	-0.6055	0.786568	0.403274	NA	0.392241	1.300131	1.454194
1.174187	-0.03504	0.433812	1.516536	1.616606	-0.78532	0.679055	0.889304	1.34719
-0.75635	1.699182	0.154993	0.370783	0.315429	NA	1.576382	0.933371	1.53766
0.616964	0.732199	NA	1.133845	NA	-0.32485	1.042667	1.414976	0.232337
0.767909	1.163193	0.22723	1.080537	NA	-1.27885	0.023161	0.664304	0.723654
0.516413	NA	1.215883	0.743876	0.896723	0.261952	0.918374	1.041571	1.371242
0.326141	0.735028	1.205139	0.997676	-0.01461	NA	0.639665	0.999795	1.036188
0.577374	1.096303	0.433522	1.492836	1.083736	-1.47391	0.406737	0.904737	1.944094
0.092279	0.659937	0.295639	-0.09373	NA	-0.41738	-0.18098	1.851306	0.734708
0.004639	1.770193	1.950958	0.819515	0.158864	NA	-0.0197	1.351996	1.117054
0.807081	1.474496	0.764999	NA	-0.03167	-0.82326	-0.96176	1.018775	0.880116
1.241795	1.231909	0.974485	1.075023	2.482212	-1.40722	1.960268	0.336023	0.740574
-0.05052	1.442767	0.964424	1.171926	2.297602	-1.08186	0.708243	-0.00979	0.458539
0.378104	0.937086	0.946499	NA	-0.92345	-0.66686	-0.81443	1.136997	1.442116
0.649748	1.138899	1.561463	1.678851	NA	-1.88367	0.581039	0.43224	1.101818
0.677325	0.582286	1.057056	NA	0.586008	0.299984	0.554903	1.146853	1.450298
1.829977	0.889428	0.737495	0.25218	1.192676	1.538073	1.509289	1.424609	0.689725
0.922632	1.762564	1.645733	1.927679	1.160616	-1.59064	0.850233	0.221909	0.963298
0.664392	1.093395	2.090981	NA	0.943433	-1.76988	-0.74662	0.637154	0.553994
0.194922	1.345491	0.975871	1.021041	-0.07643	-2.09486	-0.34608	1.151264	0.800261
0.999006	0.531755	0.834974	0.308489	0.940534	-2.23709	0.709749	0.358376	1.891422
0.585008	1.489436	-0.27682	0.778258	0.105195	NA	0.410847	0.735939	1.432175
1.489915	1.039218	1.420613	NA	NA	NA	2.875514	0.421483	0.677054
1.309444	1.490235	1.38668	1.227315	-0.62902	NA	-0.97609	0.695798	0.610888
0.692049	1.521597	0.442002	0.972746	0.246967	-1.16865	-0.83027	1.489343	1.280018
0.989965	1.1565	1.396117	NA	1.48866	-0.47572	1.155755	0.049249	0.806756
1.430413	1.362536	1.247411	0.809595	1.018804	-1.69834	1.280766	0.114813	0.83722
1.339671	1.167573	1.438039	1.597722	1.845071	-1.54412	1.446758	0.985491	0.032105
0.652756	1.23727	1.061949	0.871182	0.430549	-0.33278	0.515363	0.35707	1.610897
1.101602	1.852804	0.58853	1.406401	1.572308	NA	1.618832	0.183608	0.634238
-0.42932	1.337793	0.53176	NA	NA	0.258599	-0.08014	1.755308	2.135932
-0.3438	0.577247	0.170926	NA	0.733045	-1.27325	-0.48307	0.404479	1.365135
0.880919	1.648442	2.184309	NA	-0.01228	-1.015	0.453829	0.784647	0.445155
0.313971	0.47639	0.766135	NA	-0.02786	-0.71815	0.615221	1.412319	0.961349
0.182298	1.099611	0.693327	1.17595	-0.56811	-0.74881	-0.7069	0.518258	1.838597

1.86616	2.046161	0.276696	1.440563	0.861717	-1.09164	1.305848	0.226858	1.069436
0.924687	NA	0.701822	NA	-0.00906	-1.59182	-0.2655	0.620371	1.166103
1.152832	1.013454	0.908145	0.661676	0.606545	NA	0.303507	1.296882	1.372421
0.509134	1.248763	0.763679	1.00477	1.483448	-1.33302	1.917524	0.630774	1.246624
1.289471	0.959453	0.61269	0.693738	0.567297	-0.91606	-0.76755	1.089602	1.259719
1.471611	1.047781	0.31782	NA	1.142293	-2.02831	0.707491	0.750676	1.069442
-0.13444	1.007692	0.689779	0.588402	-0.73061	-0.37528	-0.61308	1.046529	1.676438
0.357427	1.493985	1.379552	0.875927	0.949729	-1.62885	0.586048	0.950247	0.558582
-0.28472	0.885954	0.830808	0.749495	-0.03946	0.620342	-0.24896	0.733936	0.927021
-0.13994	1.033802	1.299898	0.49141	0.735034	-1.79157	0.161115	0.674194	0.906185
0.734503	1.194729	0.876221	1.577154	1.178465	NA	0.811055	1.156972	0.794318
0.233292	1.792784	0.914966	0.408039	-0.32163	-0.8878	0.434364	0.566298	0.339985
0.551377	0.176064	1.253186	1.812745	1.167449	-1.35421	-0.91353	0.7173	1.686543
0.813042	1.256174	0.955171	1.705246	0.846257	-1.25254	1.274603	0.554716	1.147909
0.185711	0.558394	0.541878	1.543919	1.622879	-1.13939	1.909299	0.535215	1.093319
0.370458	1.359657	1.164893	0.549378	0.100977	-1.93943	0.205904	0.841994	1.268725
0.691886	0.862726	0.494897	0.6087	0.911073	NA	1.121804	0.759812	1.172831
0.46418	0.492492	0.797234	0.363001	NA	-0.87759	0.098494	1.628431	1.581585
0.779993	1.198896	1.062026	1.11692	1.248397	-0.82154	0.672109	0.657899	0.956762
0.518587	0.783321	0.870184	1.062493	0.689352	NA	0.749059	0.713246	1.096186
0.927783	0.320482	1.672634	-0.61885	0.509589	-0.81485	0.91978	1.056468	0.718788
-0.02079	0.524557	0.943102	0.234499	1.179998	-0.55536	0.772163	0.360765	0.87786
0.054556	1.365449	0.809964	1.34587	1.837544	-0.49477	1.257003	0.839903	1.156044
1.325616	1.319419	1.079033	1.142086	0.27395	1.1383	1.195486	0.27806	0.97558
-0.53293	0.654281	-0.11907	0.118772	1.345367	-1.21988	0.572723	0.932283	1.200781
0.079382	1.111037	1.503682	1.368994	0.808351	NA	0.330653	0.915933	0.200928
-0.26527	0.992121	0.441045	0.215778	-0.68217	-0.59981	-1.15453	1.20586	1.833076
0.750274	1.420883	0.036599	1.308782	0.25198	NA	1.655154	-0.13687	1.385598
0.226867	0.744542	0.886784	0.576383	0.218862	NA	-1.25101	1.419284	0.969235
0.694957	1.275365	0.509132	0.891516	0.672391	-1.07315	-0.09437	0.380663	0.948541
0.598145	1.719826	1.402431	-0.02688	0.666054	NA	0.334553	1.19614	2.008038
0.250697	1.103384	0.041115	1.615764	-0.33409	-1.33371	-0.07562	-0.03914	0.786456
1.604632	2.061891	0.599998	-0.87271	-0.88839	-0.42821	0.567473	0.716493	1.22139
1.102673	0.665624	1.393496	-0.40263	-0.69978	-0.78498	-0.53711	0.633256	1.180513
1.785401	1.331734	1.009386	0.868952	1.577051	1.730072	1.556702	0.387488	0.48444
0.532571	0.584756	1.341088	1.186337	-0.08409	NA	0.182337	0.959864	0.632603
0.797458	NA	1.159776	1.251876	0.263943	-0.59647	-0.07214	0.947654	1.301285
0.93565	1.188766	1.093536	NA	0.47368	-1.23701	-0.27673	0.652553	0.97222
0.704075	0.454995	0.636608	1.377041	0.65419	-0.41855	-0.61798	1.245239	1.649155
NA	0.880445	0.911199	1.525484	0.968955	-1.68513	1.087974	0.781252	0.199623
0.335635	0.9574	-0.32794	NA	1.46029	0.132539	0.772762	0.506395	0.56543
1.328531	1.359344	0.705791	1.683983	0.933357	-1.87343	0.950032	0.596061	1.321548
NA	1.134408	1.131438	0.845148	1.189573	-1.76052	-0.20393	0.348743	NA
0.092408	1.677404	0.804347	1.064611	1.520861	0.412334	0.844405	0.11273	0.913454
0.519074	0.883426	0.961381	0.811043	1.139295	1.442525	0.718874	0.971512	1.025128
NA	1.029868	0.814461	0.551408	0.595694	0.648568	0.864442	0.390314	0.759872
-0.0777	0.983671	-0.05438	-0.01387	0.259067	-0.43329	1.346878	0.542022	0.721095
0.599664	1.415425	0.123422	0.85053	-0.68925	3.0894	-0.66004	0.441771	0.396793
0.740702	1.307632	0.947389	NA	0.615844	0.774285	-0.3682	0.463267	1.615066
0.339022	0.301395	1.18619	1.182584	0.605965	NA	0.916492	0.943761	1.305943
0.344266	0.99495	0.516255	0.524411	0.136829	-2.25344	0.252457	1.213656	1.121498
0.698657	NA	1.164492	1.350364	1.362544	-0.98976	1.303625	0.957324	1.367693
NA	1.05438	0.971026	0.79724	2.021918	2.105565	1.13366	0.885612	1.149138
0.872434	1.399362	1.195232	NA	0.248858	0.017108	0.658277	0.302761	1.376395
1.07974	0.847288	0.797961	0.829866	0.891811	-0.8664	NA	1.138059	1.004222
0.186708	1.712929	-0.19767	0.716155	0.335851	-0.18885	-0.3619	1.104614	1.384915
0.472685	0.829988	0.816398	1.033256	0.044759	-1.31406	0.512501	1.843482	1.647814
0.772567	1.250871	0.903583	1.439117	1.422257	-1.51745	0.889917	0.728442	1.26317

NA	0.854595	1.237768	1.162133	0.59407	-1.65491	0.40128	0.669697	1.082365
-0.48251	0.64457	0.647441	-0.1031	-0.58445	NA	0.811505	0.811317	1.087466
0.831318	1.394617	0.723531	1.658	0.178624	-1.64018	1.056245	0.193083	1.090431
0.469119	0.923875	1.075465	0.656735	-0.08446	NA	-1.71858	0.920804	1.187745
1.57495	0.83508	1.212718	1.285523	1.3471	NA	1.301665	0.096245	0.622256
0.321409	0.477498	0.224279	0.71451	0.552258	-1.58443	1.075823	1.223949	1.738362
-0.45011	0.625816	0.460363	0.966961	1.643894	NA	1.547317	1.057983	0.427072
0.694885	1.183493	1.199139	0.995865	0.541422	0.207529	0.155548	0.418821	1.181008
1.467803	0.872465	0.292548	0.746599	0.922282	-1.38554	0.658122	1.224143	1.332727
0.825278	1.721256	0.678547	1.072804	-0.13512	-1.57641	0.196153	0.716532	0.72109
0.169741	0.982405	0.81716	1.048642	0.957015	-1.18646	-1.58525	1.137988	1.428534
0.525769	0.852866	0.300152	NA	1.052338	0.715152	1.012029	0.109743	1.14749
1.212821	1.575891	0.810475	NA	1.074684	0.405842	1.887392	0.14159	0.138541
0.813111	1.393144	1.894378	1.042425	0.661686	NA	1.134294	0.204623	0.596016
0.322984	NA	1.044866	1.087319	-0.92237	-0.09601	-0.69668	0.977057	1.354204
1.129065	1.173205	0.618755	0.873668	0.946369	-1.55594	0.717593	0.926253	0.524982
0.683554	0.148052	0.184908	0.317319	0.698481	NA	1.604406	0.447214	1.415667
-0.1839	0.9684	0.897513	0.602502	-0.08825	-0.89346	-0.10331	0.39066	1.537878
1.239204	0.236827	0.764265	1.556935	1.031137	-1.34563	1.027701	-0.11019	1.24098
0.595429	0.798573	0.682522	0.631126	1.227629	-1.33072	0.289085	-0.00537	1.424375
0.018819	1.046783	0.317676	NA	-0.13839	NA	-0.31632	0.923005	1.641158
1.15064	1.031172	0.874092	0.273143	0.108333	NA	-0.09428	0.403131	-0.1017
0.884952	1.23766	0.948638	-0.08406	0.222739	1.332006	0.927889	1.098736	0.809007
0.102499	0.333463	-0.09834	0.298251	-0.75598	-0.38908	-0.33348	1.377084	1.529031
0.426885	1.141458	1.337203	0.779583	0.353125	-0.49228	0.234282	0.720107	0.960864
0.221454	1.066028	0.893638	0.964263	1.047302	-1.0332	0.478101	1.329307	1.247831
1.045726	1.154378	0.905462	0.24524	0.7794	1.002788	0.818638	1.316334	0.177652
0.039326	1.18373	0.354938	0.646238	0.268444	NA	-0.31156	0.913164	1.511058
0.337328	1.034741	NA	0.846696	-0.39934	-1.72572	0.257862	1.244661	1.446487
0.618532	0.588128	0.888908	0.650678	0.886104	NA	0.10209	0.321858	0.640157
0.986628	0.851345	0.412171	1.639499	1.301456	NA	0.98425	0.542732	NA
1.350991	1.186914	0.592548	0.452081	0.220617	-0.27098	0.416876	1.021687	1.57657
1.150885	1.197525	0.85735	0.294446	1.298937	-1.45553	1.384749	0.54305	0.519502
0.106148	1.581694	0.101533	0.811543	1.262528	NA	-1.16678	0.3288	0.773159
1.336086	1.064142	1.097979	1.243287	0.212888	NA	0.828824	0.574313	1.390538
0.385712	0.807873	0.5273	0.951864	NA	-1.92096	1.084761	1.377227	0.418359
0.922338	1.33678	0.805487	1.254537	-0.57806	-1.28223	0.327514	0.859714	1.026685
0.897132	1.468919	0.176348	0.095388	0.125475	-0.58821	-0.31694	0.57806	0.643609
0.264518	0.918052	0.17365	0.49058	0.315864	-0.18379	0.666922	0.765464	0.842151
1.275252	0.913366	0.328114	0.908961	1.069326	2.25696	1.349415	0.709908	0.484676
0.64283	1.073432	0.883002	1.020288	1.205373	-1.6474	0.926256	0.336558	0.289733
0.572198	0.898763	0.225545	0.55333	1.601985	-1.25533	1.532182	0.573355	0.906641
0.730448	1.297699	0.987012	1.315426	1.147775	-1.58332	1.581327	0.72806	0.679495
-0.0283	1.000368	0.868272	1.579023	0.090834	-0.31549	0.300755	1.190795	1.696936
0.181261	1.836286	0.623135	0.857253	0.491811	-0.78359	0.888643	0.729839	0.568577
0.835892	0.668817	0.475101	0.541527	0.740705	-0.58861	0.083469	0.526259	1.25155
0.988899	1.016219	-0.21658	0.66307	NA	-1.48937	0.45057	0.148773	1.263939
-0.47906	0.913808	0.672208	1.208814	0.822165	NA	0.543515	0.871446	0.360934
1.117308	1.260176	0.508646	0.876643	0.082368	NA	-0.07221	0.898292	1.163496
0.861415	1.180519	0.523483	0.811797	0.919862	-0.18257	1.75077	0.529946	1.246804
1.014565	0.653648	0.178483	1.256735	0.812113	-0.99983	1.386925	1.058305	1.149409
0.575874	1.200656	0.695358	0.948039	0.20429	-2.35753	0.243866	1.362363	1.037939
-0.23805	0.29791	-0.04639	0.268221	0.07532	-0.38788	0.533644	1.292756	1.686799
1.376597	0.730299	0.415552	0.312705	1.298472	0.208674	0.289589	2.060603	2.221657
0.956976	1.546755	0.441886	0.243165	-0.56547	0.636703	1.138291	-0.24332	0.974714
1.331875	1.052235	0.443457	NA	1.830261	-0.8973	1.927384	0.388635	0.45968
0.258744	1.104901	0.224113	0.559383	-1.15029	0.208794	-0.52056	1.09142	1.449586
0.6563	1.193108	1.0741	0.608825	NA	-0.36672	-0.28434	0.756232	0.725758

-0.00019	0.343108	0.674656	0.647652	0.829637	-1.12945	0.541665	0.980337	1.315244
1.075026	1.365724	0.012856	0.483752	0.168219	-0.39105	1.536294	0.748918	1.039204
1.011588	1.055078	0.532248	1.125941	0.788721	-0.84899	0.573784	0.32127	1.458656
0.654168	0.991033	0.156376	0.768913	NA	-0.06188	-0.22526	1.002027	1.694731
0.553183	0.886671	0.688074	0.800101	0.072949	0.525121	0.310889	0.36214	0.55739
1.036351	0.569324	0.996561	1.269617	0.419236	-1.7136	0.848284	0.443233	0.638278
0.412013	1.201969	0.573974	0.882283	1.132268	0.723867	0.70509	0.949443	1.187287
0.289937	1.526077	0.822324	1.423565	0.778353	0.002388	-1.05113	1.327291	0.848816
0.985763	0.159842	0.510202	NA	1.399328	1.627181	1.293588	0.930503	1.646545
0.229918	0.548044	0.123286	0.401971	NA	0.232942	0.430463	2.274531	1.068298
0.71347	0.438285	1.417841	0.542513	NA	-1.30721	0.540855	0.715852	1.186503
1.066802	0.927587	0.345343	NA	-0.55103	2.199498	0.472301	0.392559	1.312602
1.009708	1.123008	1.04196	1.191895	-0.21711	-0.52986	0.697679	0.276307	1.086718
1.135796	0.876618	0.151038	0.800407	1.138289	2.231321	1.033053	0.469898	0.815066
0.217008	1.268496	0.892806	1.015103	0.999179	NA	1.177782	0.778563	0.471066
0.278724	1.263271	0.859449	1.267138	0.297034	-0.75714	-0.62442	0.711572	0.415348
0.003514	1.180381	1.309931	0.89214	-0.30038	1.524095	-0.40622	1.211153	1.464506
0.54712	0.983693	0.330432	0.950832	0.697484	-0.5694	0.502709	0.359937	1.249857
0.80501	1.460284	0.861002	0.71668	0.512964	-1.70085	0.745469	0.684342	1.091301
1.227766	1.104391	1.219783	0.537482	0.739619	-1.91182	0.542746	0.656327	0.776799
0.856598	1.239242	0.560599	0.55188	0.477199	-1.10486	-0.25745	-0.52474	0.594524
0.586154	1.301963	0.493834	1.114183	0.144291	0.010751	0.094612	0.643193	0.975137
0.949219	1.607937	1.178761	NA	1.799749	NA	-0.20625	0.743413	1.476386
-0.24791	0.699528	1.15611	0.766128	-0.34393	-1.15361	-0.26469	0.505492	1.304829
1.212952	1.054181	1.141373	1.297915	-0.3958	-1.05094	-0.06666	0.591265	0.635359
0.45074	1.046597	0.398745	0.945458	NA	-1.43396	-0.02596	1.057008	1.428863
0.582864	0.848971	0.927247	0.934384	0.036171	0.487278	0.506189	1.10495	1.28692
-0.05847	0.640952	-0.18834	-0.11799	-0.19022	-0.96951	0.207708	0.884795	1.38384
0.821932	1.411109	0.787931	1.189765	NA	-1.75348	1.250161	0.62441	0.751947
0.76527	0.774809	0.554151	0.349252	0.742859	-0.34433	0.572928	1.251347	1.493571
0.690335	0.908198	0.426391	NA	1.308289	-0.33839	1.521535	0.6212	0.790088
1.001657	NA	0.920041	0.83909	0.759507	-0.81206	1.040943	0.2871	0.869047
0.698052	1.262922	0.840744	0.454108	0.967637	-1.0754	1.205563	-0.22171	0.020419
0.491219	0.769256	-0.12862	1.4055	0.026646	0.069425	1.141268	1.027293	1.072164
0.593879	1.611377	0.685973	1.369242	-0.25041	-0.36217	-0.18256	0.94826	1.285493
0.093631	0.660691	0.915474	1.197906	0.97848	NA	0.549837	0.357677	1.190942
0.812764	1.17599	0.791253	0.124106	0.166016	1.388028	1.075467	1.109898	1.433485
0.554792	0.9448	0.728702	0.365035	-0.32409	-0.67852	0.390162	0.092673	0.609033
0.820449	1.649168	1.311424	0.879106	-0.02304	NA	0.261591	0.461153	0.259287
0.745437	1.365566	1.086805	0.807544	-0.06308	-0.71495	0.697254	-0.11263	0.280182
0.382766	0.842931	0.403828	0.930052	0.263426	0.139181	-0.1473	0.85203	1.278046
NA	1.547666	1.119997	1.893749	1.229442	NA	-0.00377	0.468866	0.925493
1.248734	1.063916	0.554089	0.015962	1.701222	-0.48744	0.817424	0.99009	1.47159
0.342525	1.005967	0.362554	0.407288	0.036018	0.592611	-0.28918	1.183306	1.225402
0.39745	0.823487	0.408279	1.280273	NA	0.168541	0.372659	0.462983	0.71753
-0.36559	0.911171	0.233612	0.666548	-0.16865	-0.9439	-0.45044	0.817322	1.219413
1.42114	1.193506	0.820815	0.367874	0.581311	NA	0.746013	0.238656	0.96491
0.973164	1.26369	1.156145	1.640696	0.737249	NA	0.978837	0.176351	1.010224
0.412908	0.364315	0.80089	NA	0.284853	NA	0.30484	1.528561	1.60408
NA	1.06894	0.412701	0.432396	0.588776	-0.88454	1.535872	0.626624	1.258437
NA	0.978343	0.793163	0.087321	0.334774	NA	0.357964	0.250322	0.495177
0.390547	1.516091	0.731899	0.726606	0.158812	-1.6452	0.332656	0.635257	0.16452
0.372502	1.099474	0.694881	0.748707	0.749019	1.2822	0.152333	0.699735	1.123029
1.43316	1.12547	0.578453	0.686712	1.389474	0.417852	0.895355	0.81086	0.627434
1.218405	NA	0.939454	NA	0.825682	1.433622	1.179428	0.862017	1.407584
0.230775	1.149018	0.126532	0.865301	1.275861	NA	1.143431	0.566336	0.311964
-0.21761	1.117298	0.96131	0.840249	0.879264	NA	0.719605	0.159179	0.991242
0.569011	0.529299	0.390959	1.369308	1.539298	NA	1.833544	0.685942	1.154913

NA	0.781662	0.462135	0.653777	0.257258	NA	0.314181	0.471032	0.523009
0.342761	1.372266	0.586431	0.973644	NA	NA	-0.98921	0.361381	1.114835
0.931315	0.651995	0.650845	0.700501	NA	NA	-0.12916	-0.08296	0.979978
0.481789	0.331639	0.976599	NA	0.154986	0.406155	0.534692	1.03818	1.347076
0.781457	1.159065	0.214465	0.888073	0.140171	-1.24659	0.591524	0.677746	0.591636
0.36458	0.551054	0.555656	0.754805	0.975472	NA	0.677663	0.627574	1.034085
0.108575	0.695227	0.49404	1.135506	-0.29554	NA	-0.6947	0.366934	0.736769
1.032655	1.095313	0.927817	0.273275	1.381109	-1.06936	0.545466	0.818505	0.407415
0.235012	1.647737	0.517888	NA	0.37801	0.90611	0.423896	0.764779	1.34553
1.00759	1.208808	0.826722	1.138535	0.482711	0.093568	0.598592	0.094742	0.785988
0.962702	0.882769	0.747742	0.883802	2.40265	0.499398	0.259564	-0.04354	1.174101
1.124276	0.619989	0.976093	1.030708	1.066922	-0.84428	1.357539	0.288396	0.700961
0.619934	1.276117	0.126276	1.258213	NA	-0.6865	0.51533	0.557202	1.07458
0.619281	0.889072	1.007435	0.808696	0.755605	1.461441	0.467039	0.959542	0.82534
0.908745	1.600664	-0.12147	0.344663	0.792415	0.512836	1.018657	0.844116	0.704052
0.330311	0.766879	1.52705	0.895877	1.820447	-0.6485	1.383734	0.242252	0.855864
0.234137	0.806206	0.369762	0.999635	-0.09596	0.226017	0.109082	1.005677	1.084816
0.9215	1.196306	0.411693	NA	0.61253	-0.50895	1.432861	0.889807	0.509872
0.441634	0.677322	-0.00681	NA	-0.25982	NA	0.052439	0.816033	1.620978
0.715297	0.392579	0.268617	0.951722	-0.28503	1.686151	0.362203	0.695025	1.114412
0.725678	1.320606	0.884807	0.350363	NA	-1.26093	0.734479	0.531688	0.624532
1.189169	0.321772	0.956856	0.49563	0.76926	NA	1.234327	0.404671	1.047278
0.894956	1.067117	0.641861	0.922177	0.998507	-0.22885	0.855487	0.654375	0.526079
0.381732	NA	0.457832	1.043512	0.193115	0.75372	0.106414	-0.28632	0.446755
0.715215	0.690572	0.745645	0.066019	1.182371	-1.5888	0.545313	0.701618	0.729758
1.005148	0.048909	0.171092	0.513846	-0.57279	0.98391	1.00791	0.618585	1.031831
0.947965	-0.04689	0.282856	0.958448	1.478116	NA	1.182555	0.70418	0.603977
-0.14967	1.320032	0.225497	0.342379	0.610474	-0.8187	0.162768	0.440401	1.439259
0.460837	1.148138	0.404493	1.052125	0.910528	1.150373	0.272476	0.434947	1.059389
0.684055	1.096807	0.169953	-0.09309	0.281878	-0.98893	-0.574	0.444453	0.798265
0.384646	0.615585	0.232761	0.906719	0.598906	-0.48793	0.296304	0.569689	1.158
0.680416	0.832148	0.899489	0.745502	0.070684	NA	0.153012	0.690462	0.519024
0.533428	1.032144	0.611104	1.48307	0.098321	NA	0.379474	0.680097	0.911239
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-0.36885	-0.03742	-1.55517	-0.37181	-1.1014	-1.24338	-1.26012	-0.81811	-0.83623
-0.45095	0.072672	-0.82793	-0.47827	-1.31037	-1.58529	-1.40625	-0.44602	-0.90688
-0.41	-0.50006	0.447416	-0.86827	-0.12178	-1.03272	-0.49058	-0.39991	-1.19521
-0.04264	-0.51706	-0.11792	0.365208	0.382337	-0.90769	-0.04731	-0.7171	-1.01424
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-0.30511	-0.90856	-1.04784	0.247618	0.112648	NA	-0.10069	-0.88426	-0.51466
-0.44523	-0.59961	-0.87149	-0.88625	-0.55846	-2.47164	-1.04259	-0.73883	-0.7702
-0.69871	-0.47821	-0.93558	-0.62663	-0.83348	-1.5197	-0.35054	-0.74054	-0.30146
-0.59989	-0.74551	-0.82976	-0.20291	-0.27819	-0.00977	-0.21725	-0.73028	-1.24758
-0.40008	-0.22146	-0.18065	-1.55794	0.238113	-1.78198	-0.27311	-1.03667	-0.19614
-0.51286	-0.80075	-0.87154	-0.39306	NA	-1.36101	-1.66227	-0.6665	-1.12153
-0.58053	-0.03985	-0.48254	-0.27599	-1.43011	-1.3046	-1.66076	-0.29725	-0.79039
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0.708663	NA	-0.87304	NA	-0.63066	-1.39022	-0.34565	-0.35006	-0.48922
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0.174193	-0.39198	-0.06957	-0.04559	0.728056	NA	0.172658	-1.31476	-0.63122
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-1.04307	-0.47558	-0.41098	-0.13983	-1.10118	-1.4298	0.236482	-1.46087	-0.9008
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0.032129	-0.75928	-0.91767	-0.13957	0.180336	-2.16915	0.618347	-0.89991	-0.74556
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NA	-0.57387	-1.16705	-0.9482	-0.49932	-0.89368	-0.58989	-1.65187	-1.65368
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NA	-1.09628	-1.22304	-0.44917	-1.73499	-2.63547	-1.46865	-0.35585	-1.6743
-1.18121	-1.32273	-1.70114	-0.99182	-0.62715	-1.72441	-1.21302	-0.73741	-1.43247
-0.7238	-1.70701	-1.12112	-1.24099	-0.3679	-1.7925	-0.13287	-0.52015	-1.01824
-0.684	-0.95098	-1.77944	-1.42696	0.271088	-1.60558	0.069206	-0.4089	-0.68939
0.418502	-0.33583	-0.82275	-1.49133	-0.40103	-2.03458	0.42428	-1.39596	-1.5165
0.063503	-2.01279	-0.3753	-0.69374	NA	-0.33247	-0.79312	-0.51186	-0.918
-0.51053	-0.57834	-1.04528	-0.28143	-1.28537	-0.47423	-1.0669	-0.5552	0.14766
-1.23981	-0.67526	-1.72399	NA	-0.54737	-1.67597	-1.80304	0.202703	-0.376
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NA	-1.10475	-1.84791	-1.88529	-2.01834	-1.38244	-1.68523	-1.0969	-1.09156
-1.14352	-0.94739	-0.77769	-1.51123	-1.78013	-0.77549	-1.41979	-0.77071	-1.19537
0.05263	-0.93936	-1.7153	-1.11081	0.080079	-1.96941	0.774507	-0.82515	-0.8487
NA	-1.38896	-1.58048	-0.37695	-0.9639	0.273464	-0.23187	-1.41558	-0.33289
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-1.0759	-1.30923	-0.68097	-0.97665	-0.21798	NA	0.212426	-0.73303	-1.39782
-1.29265	-1.38584	-1.06903	-0.86884	-1.29538	0.271285	-1.56169	-1.44196	-1.52802
-1.17343	-0.62846	-0.49063	-0.89705	0.298221	-1.758	-0.97111	-0.79731	-0.65843
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-1.24855	-1.75316	-0.91651	-0.78786	-0.89472	-2.04271	-0.86627	-0.23488	-0.34764
-1.12011	-0.63039	-0.64643	-0.39423	-0.72071	-1.27258	-0.96636	-0.61799	0.034723
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0.041103	-0.90869	-2.11245	-1.17936	-0.68857	-1.40047	-0.87512	-1.17605	-0.37243
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0.141082	-0.53149	0.012015	-1.10637	-0.32107	-1.50349	-0.10818	-0.60717	-0.80796
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NA	-1.46831	-0.98191	-2.40676	-0.72412	NA	-1.56537	-0.53803	-1.24649
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NA	-1.60578	-1.14446	-1.41476	-1.08751	-0.4969	-0.88337	-0.24959	-1.19799
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NA	-0.72886	-0.24579	0.204372	0.134014	-2.47024	-0.88379	0.283578	-1.25888
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NA	-2.1528	-0.56449	-1.28934	-1.07611	-2.35768	-2.06165	-0.69218	-0.66787
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NA	-0.59541	-0.11291	0.002959	-0.83323	-3.93901	-0.53362	-1.21896	-1.07052

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0.484945	-1.52869	-2.07048	-1.63556	-0.32028	NA	-0.1191	-0.74738	-0.85067
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NA	-0.55015	0.620994	-1.02699	-0.42276	-2.9549	-0.9827	-0.6865	-1.39884
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0.735996	0.41415	-0.1442	NA	-0.48082	0.250347	-0.29655	-1.05139	-0.61449
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0.129286	-0.9389	-2.48772	-0.69773	-2.35319	NA	0.333267	-1.47935	-1.45175
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0.28047	-3.45705	-1.88788	-1.26848	-1.84718	NA	-0.62728	-1.29544	-2.23022
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NA	-0.57116	-1.96209	-2.16856	-2.91619	-2.4353	0.047343	-2.13035	-1.92133
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NA	-1.24723	-1.44266	-1.11101	-0.84863	-3.20174	-0.5615	-1.92836	-2.16317
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-3.85138	-4.22066	-0.99685	NA	-1.50694	-1.28662	-1.28148	-2.45513	-4.44791
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-1.28963	-4.71808	-4.35298	-3.92386	-4.60801	-2.42701	-3.97692	-1.96942	-2.47196
-2.14689	-3.39268	-3.27219	NA	-4.49876	-3.4884	-3.91155	-2.73063	-2.84994
-4.12604	-3.64318	-2.61283	-1.50374	-1.48036	-0.61239	-1.40686	-3.03926	-3.732
-3.75225	-3.89187	-3.03684	-3.16279	-4.52618	-1.04505	-4.06138	-1.90246	-2.48896
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-2.49333	-2.58983	-2.91459	-1.78963	-1.73942	-1.18362	-1.60044	-3.1435	-2.91895
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-1.98514	-3.67992	-2.35608	-2.54629	-2.39813	-0.27484	-1.95468	-3.332	-3.62606
-2.8193	-5.91927	-2.67768	-3.34355	-3.38507	NA	-2.18506	-2.95178	-3.66159
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-2.53711	-2.44042	-4.91273	-3.76862	-3.80656	-0.48298	0.968283	-3.23148	-4.01724
-3.41638	NA	-4.39827	-3.56942	-3.755	-2.70921	-3.76972	-1.70255	-3.19729
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NA	-5.98764	-4.37324	-4.53269	-4.09357	-2.46562	-3.68179	-1.06179	-2.52378
-3.07948	-3.08469	-4.65483	-4.20565	-2.00374	0.652228	-2.80754	-3.16281	-3.93168
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-3.71299	-5.69949	-2.54618	-2.75464	-2.43068	-1.6014	-2.03335	-3.26273	-3.71816
-3.05241	-6.07844	-3.63575	-3.73684	-3.38329	-1.82677	-2.69664	-3.00789	-2.98628
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0.13347	-2.27051	-1.75224	-4.19987	-5.58918	-4.14306	-5.35494	-5.06007	-6.17326
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NA	-6.18285	-2.32368	-2.71041	-2.65293	-1.82112	-2.11842	-3.40988	-5.65987
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2.99732	3.91013	4.533196	4.488135	5.721999
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2.729314	5.362433	3.542067	4.51488	5.467274
4.372547	4.717504	4.22577	3.303909	3.780145
1.655122	3.169684	1.480257	-0.12716	2.494592
2.275715	2.889818	2.985487	3.846476	4.970171
0.580952	4.125862	4.642922	5.205278	5.708689
5.185409	0.134846	4.032837	2.040556	5.159283
0.30241	9.423313	7.795084	3.244958	0.632631
2.274668	3.1362	3.581437	4.048963	5.286353
0.28682	7.388097	8.075198	3.086581	6.873402
6.160777	5.420947	5.529014	4.715804	5.181555
2.856009	3.230061	2.74627	4.022194	5.354424
2.88662	3.053649	3.60625	4.818759	5.737986
1.606061	5.446891	4.984229	5.23519	4.893931
6.185814	3.61496	5.277883	4.524489	3.611643
0.779021	0.844673	2.243718	3.631425	2.70161
5.743067	4.398095	4.438453	3.14619	3.069328
5.378427	4.762908	4.862194	NA	4.113463
-1.53376	-2.09911	4.222097	-0.84544	0.666205
7.040363	6.874951	1.722535	2.965731	3.80811
1.838289	3.301007	NA	3.374762	4.163957
2.649788	3.32548	3.531262	4.185066	4.821592
3.233675	3.073223	NA	4.162168	5.109964
4.115558	3.298346	6.122908	6.100507	7.395623
3.003715	3.391603	3.573011	4.164426	4.803254
3.944499	4.969515	4.2472	4.125481	3.9455
4.942128	4.632204	4.522242	4.268134	3.934002
2.434401	NA	5.074039	5.444389	2.497536
2.382795	3.958332	3.755748	3.785203	4.277696
0.202593	5.833521	NA	5.214691	3.779784
2.475303	2.451773	3.282545	3.861146	4.540653
2.24433	4.53586	2.649222	3.355843	4.966806
1.185874	3.795522	4.646062	0.922837	3.778661
1.072133	2.347839	4.550761	3.410341	3.494131
6.271864	5.419921	5.424958	4.198185	5.883944
2.250489	3.758404	3.054972	2.871989	5.25501
4.947183	5.224754	4.904786	4.159927	4.526703
2.288853	2.95034	3.173604	3.732874	4.470182
2.140502	3.673656	3.627782	3.278623	5.187947
4.999921	4.050424	4.425037	4.245802	4.245556
1.988819	2.781981	3.709982	4.409606	4.7566
2.990034	3.618191	3.220725	3.906428	4.996114
2.914907	3.092212	3.105866	3.456036	4.168081
3.044409	2.395059	3.224904	4.259007	4.663373
-0.39383	7.857546	3.191343	1.52799	3.824707

2.958983	3.660578	3.265465	3.616237	3.811706
3.18968	3.682478	4.04273	3.503564	4.54726
2.169333	2.123178	NA	4.074336	3.269156
3.976934	NA	2.082693	3.339601	2.600317
2.250703	1.941523	5.407859	3.002174	NA
0.323107	NA	2.740468	4.254199	4.721769
2.111554	0.941344	1.960973	3.567306	4.048312
2.942689	3.165394	3.316582	3.11463	3.841997
2.474794	3.428988	2.940279	3.559213	3.539679
6.310058	1.838696	5.602404	5.368789	4.632812
2.234735	3.437164	3.283528	4.197481	4.597971
4.445514	4.318265	3.735752	2.838737	2.128646
4.127921	4.849511	3.631039	3.841909	3.776779
4.359353	3.894784	3.998052	3.763965	4.221141
4.70584	NA	3.576158	3.856858	3.37737
3.771464	4.250051	4.057461	4.584971	3.675742
2.661466	1.761228	3.274399	4.057427	4.89562
3.044427	3.079036	3.043775	4.089807	4.660256
2.579643	3.893564	2.811561	3.618947	4.544162
4.109867	3.641653	3.952602	4.146308	2.788972
2.667389	3.14299	2.985913	3.664478	NA
2.201407	2.455158	2.422568	2.591233	3.896694
1.508608	3.12953	4.040618	3.756166	5.330312
2.141339	3.321699	3.01721	3.234431	4.370586
2.50238	3.000987	3.303081	3.844314	4.325836
5.361528	3.728365	3.032077	2.487035	1.147591
5.60321	0.53618	3.81109	3.90996	2.95706
-0.25696	2.232322	4.002741	2.489177	5.156576
1.948773	3.172079	2.675938	3.81784	4.789457
3.285574	3.87638	3.559407	3.081057	2.097694
1.238645	2.511349	1.92245	3.542697	4.347672
3.829907	2.721569	1.724656	-0.14068	-0.36801
2.993921	3.750256	4.654045	4.004565	3.225625
4.979554	4.84116	4.779558	4.698821	4.787765
5.33025	NA	3.485499	3.399181	2.220278
2.297395	NA	2.571097	2.89644	4.194373
2.675888	2.15423	2.514221	2.369381	4.746585
4.118977	3.382337	3.789079	3.805489	2.088577
1.861467	2.592814	3.078905	3.703842	4.559738
2.509368	3.812907	2.938847	3.323879	3.781405
1.889018	3.689048	3.214598	3.54516	4.201705
2.658543	3.190532	2.899744	3.139206	4.756956
1.879902	2.146045	2.306961	3.201058	4.590179
2.888357	3.479956	2.539845	2.826101	3.905984
2.572425	2.526639	1.974295	2.9096	4.251908
6.582953	3.984136	3.66155	3.622034	3.548128
2.075627	1.243716	3.153193	4.220179	3.581545
1.427427	3.416695	2.434556	2.906684	3.6086
3.073527	4.647594	3.352084	2.818265	3.914847
4.751855	4.01558	3.801283	3.541777	3.079651
2.51466	3.812612	3.399896	3.765781	3.948738
2.550825	3.147314	3.044811	3.389464	3.672662
3.67789	2.867341	3.64371	3.165345	3.497808
2.24982	2.325511	NA	2.595466	4.534214
1.99719	2.43994	3.266723	3.64628	NA
-0.41174	1.826618	4.98967	3.634464	5.194713
1.95463	2.487526	3.207533	3.071689	4.041815
2.061836	NA	2.929707	2.485252	2.809341

2.844825	3.496295	1.785012	3.841751	3.851849
2.025856	2.941671	2.805401	2.919343	2.808064
2.479591	2.600635	1.935611	3.53785	4.253867
1.632296	-0.24087	0.986618	3.186704	3.776635
0.405387	3.309577	2.392308	2.70177	2.357081
4.654532	4.990042	4.853365	3.049919	3.214212
2.891893	5.815507	3.604766	4.821168	3.706728
1.416499	2.736566	2.840516	3.281891	4.284535
2.139068	4.033231	4.261563	4.224388	3.211243
0.782938	0.988071	2.722909	3.016544	4.609089
3.35284	2.121362	2.610592	0.933295	2.371842
4.442761	3.244462	1.966855	1.374803	1.115096
2.042213	3.015408	3.235294	3.857718	4.428418
1.293821	3.213212	1.625856	2.744616	5.043468
-0.61273	NA	-0.13816	1.066953	0.483274
3.188386	3.137821	3.20749	2.566701	2.571399
3.338204	4.061202	3.430059	1.468033	2.499177
2.268271	3.306832	3.307927	3.127694	3.791115
0.404248	0.855347	2.842249	2.348191	3.721815
3.571206	3.014941	4.59866	3.511594	3.876456
0.466179	4.246354	3.056542	3.032473	5.008147
2.370208	2.401524	2.679864	3.336135	4.463008
4.865062	3.547359	4.162868	3.103021	3.378184
4.464106	3.979744	3.603288	3.779322	3.223739
2.222175	NA	2.54506	1.450406	3.276814
0.410898	0.475005	2.329448	2.037638	5.821049
1.876251	3.811052	3.020951	3.474573	4.627161
-0.01985	NA	2.778923	3.742592	6.861152
4.601516	3.008176	NA	3.2394	2.933792
0.495182	4.993838	4.933174	-0.20978	0.832168
2.610794	3.015588	2.935728	3.555372	2.134069
4.42203	2.904786	2.924195	1.315113	1.632247
3.855077	3.61807	3.829176	1.426909	3.406448
4.234143	3.199679	3.364396	3.355691	3.718945
2.772559	2.809854	2.547429	2.670584	3.02941
1.785221	1.25534	1.299805	0.712406	0.402882
2.68864	2.084366	1.40699	2.126022	4.656424
3.978466	3.473791	3.078237	2.658395	1.230703
3.646891	3.478288	3.704938	-0.88271	-1.16997
3.235146	2.91964	3.15251	1.95205	3.503047
4.379994	3.925567	3.767008	3.331094	3.194485
4.479714	4.256464	2.979103	3.180049	2.942144
2.911777	2.784431	NA	3.043637	3.918101
3.243946	4.019721	2.486679	1.068511	1.773211
2.481956	3.082115	2.825059	3.740877	3.857304
1.86961	3.13481	2.589656	2.772249	3.761484
1.723607	2.203992	2.275387	2.839094	NA
1.623051	3.452607	3.803808	0.532438	1.671122
3.672683	3.687897	3.319519	3.043714	2.55434
4.084881	3.053141	2.231908	2.696422	3.840335
-0.33061	2.133268	1.958736	0.609114	1.953632
1.526765	1.828566	1.947671	2.529457	3.323443
0.638353	NA	1.57568	1.620115	4.401561
3.26397	3.055334	2.785303	2.803361	1.86154
3.26137	3.882552	2.073043	2.573406	1.989404
2.257315	2.83365	2.559619	2.889033	2.917474
1.808731	1.181413	2.428946	2.388097	4.406029
1.854781	2.313739	2.028787	1.262602	2.303592

0.142532	4.767431	4.756536	0.375018	0.57356
2.394204	2.509798	2.877303	2.665101	3.7476
2.459552	5.209179	3.63537	3.428185	0.937041
2.323745	1.84993	2.499927	2.759833	3.34596
2.769029	2.980417	2.622881	2.49363	2.994896
3.666808	3.405611	3.297946	2.889732	3.141987
3.81978	4.066272	NA	2.960677	0.688452
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1.197932	3.030222	2.803366	3.153815	3.386902
2.709664	4.877868	4.140248	2.579231	5.812891
-0.91796	-1.28917	-1.28185	0.555331	0.060621
4.146909	3.643369	3.193573	3.440239	3.375197
2.09521	4.05269	4.309135	3.489804	4.536057
2.990097	2.536211	2.611988	1.04182	2.421929
2.145662	2.21578	2.542783	3.295125	4.298716
-0.70633	0.685155	3.257181	-0.91135	2.846249
3.082152	4.173594	3.081156	2.290545	2.509648
2.415071	3.088593	2.253894	2.912838	4.408068
2.544684	2.722969	1.377106	1.774737	2.300227
1.712582	3.147448	2.586451	3.114031	3.912869
0.445233	2.570087	2.59292	4.241532	3.989946
-1.56223	0.468303	1.784859	1.909307	2.338297
0.672913	3.19076	2.94347	2.973517	4.563085
4.465813	4.067269	3.831944	3.619162	3.568757
0.483535	2.302296	3.033607	2.947935	3.872328
2.597936	2.644962	0.893528	0.502527	0.547333
1.168444	0.92402	0.874838	2.960387	3.512407
1.818633	2.548588	2.839643	3.472721	2.934003
3.360247	3.818637	3.501035	2.93234	2.990339
2.229387	3.268888	3.328165	3.765334	4.31655
5.255784	NA	NA	3.973334	0.658275
4.62164	4.747557	2.395719	3.038257	1.248123
3.258484	3.225749	2.328944	1.472104	2.470934
1.953286	1.995276	1.502053	2.530086	3.24482
3.664706	2.887243	3.108278	2.833279	4.068544
1.368017	1.690153	2.499047	2.116501	3.784341
0.322786	1.334129	2.71868	2.920935	2.36877
2.025672	3.056566	2.269194	1.883823	2.115894
1.275268	2.019292	2.445013	2.432358	3.063803
4.249179	2.713623	2.601265	2.237838	0.399938
1.460525	3.314329	3.227086	2.678761	4.437383
3.144508	2.636042	NA	0.861886	1.644455
3.354577	2.95469	2.231773	2.298605	1.466919
2.372489	2.229957	1.667124	2.300223	3.223298
2.032278	2.359489	2.84662	2.878854	4.166862
3.626489	3.722469	2.494877	2.191566	2.760893
1.11351	6.827194	1.460612	4.739541	3.84729
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1.860275	2.616349	2.72142	3.250033	3.911876
3.133496	3.409968	2.948882	2.673333	2.817843
1.626116	1.444434	0.937675	2.801045	3.716048
3.19636	2.502202	1.948595	1.783724	1.771755
3.139438	3.33368	2.927769	2.135268	2.865846
3.206143	3.547896	1.699679	2.016457	1.583986
0.590686	2.332307	2.708463	3.31704	5.240445
1.455088	2.131204	1.94081	2.582914	1.639384
2.959048	NA	3.902129	2.686025	2.585335
2.255784	1.949005	2.388408	2.425169	2.996697

0.790544	1.616305	1.989158	2.508336	NA
1.561969	1.269281	2.291944	2.878793	NA
2.382266	2.063525	3.300721	3.429297	2.58727
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3.075458	3.072277	NA	1.722084	3.535596
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1.381076	2.320187	2.663136	3.37456	4.525733
2.073962	1.59081	1.200553	2.724965	3.444157
1.377921	2.897139	2.634274	2.582031	3.885792
3.178773	3.578256	3.371165	3.081089	3.073204
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2.16886	4.449599	3.898424	-0.38657	2.27328
3.583624	3.546397	2.794397	2.179172	2.389678
3.483328	3.12595	2.582186	2.769222	2.950546
2.505871	2.604658	1.713907	2.135021	3.651972
0.57234	6.332416	0.496757	5.498835	3.754965
1.627246	3.075336	2.721836	3.057681	4.007975
2.36293	3.068391	1.930898	2.539657	3.009102
2.734058	3.115391	1.442765	0.215414	4.443274
3.621258	2.237181	2.179556	1.736414	1.677493
0.308582	-0.03538	2.726759	2.655291	4.957142
2.313868	2.619767	2.315259	3.136484	2.792263
1.620775	0.084276	2.649248	3.505239	4.211572
1.513704	2.753908	2.963557	3.295408	3.484953
3.758593	3.077983	2.517609	3.357527	3.628478
3.803922	3.337273	2.864028	2.528223	2.677026
2.603049	3.429364	2.328885	3.357882	3.577527
3.719514	3.129312	3.104403	2.511991	2.125486
2.82069	4.435959	0.306485	0.194049	2.147454
5.802017	4.442408	4.878356	3.693138	1.122009
3.225565	3.264654	2.315163	1.512615	1.235957
1.079663	1.837804	2.162383	0.951032	1.528008
2.357738	2.626586	NA	1.630185	1.366097
3.462107	2.877648	2.442333	3.067528	1.205693
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3.118657	2.415466	1.706152	2.464021	3.869878
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3.720083	3.051633	2.783857	2.586683	2.63697
1.915742	2.981641	2.865375	2.612479	3.756211
3.744695	3.148269	2.977648	2.254172	2.355084
1.074384	5.170952	4.243433	0.034125	0.783148
3.067451	3.951323	NA	3.842012	2.877717
1.335479	3.814663	2.8376	2.966369	2.310163
3.379378	3.45635	3.254863	2.777774	3.230384
1.269112	3.040196	1.675496	2.611147	4.459346
4.101754	4.599107	4.2379	4.052689	3.895869
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3.090467	4.369009	3.227752	3.532738	4.809794
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1.060486	3.787849	0.802375	3.783441	5.50197
0.552443	5.69705	2.774483	3.667715	3.497968
2.182268	3.417164	3.231659	3.169256	2.929695
2.757726	2.755038	1.968255	1.346388	1.682967
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3.080252	NA	2.996237	2.791639	3.0958

2.797935	3.138757	2.452791	2.324152	2.571105
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0.53978	4.045636	1.094982	1.050186	0.067738
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3.252445	2.581486	2.778704	2.095687	1.504165
3.757892	3.364072	3.810206	2.729309	2.95083
3.261115	2.353646	1.729131	2.327415	0.512714
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3.716318	3.977821	3.293226	3.803121	2.007478
2.453377	3.486502	1.07637	2.150799	2.733488
0.068044	1.986597	0.2453	1.037476	3.411453
0.921351	-1.05813	2.119917	2.376826	5.136359
2.362315	2.971938	2.949513	3.478283	3.16155
1.345998	0.811555	2.066018	1.610747	3.081541
2.076652	2.432709	2.52679	2.530135	3.079545
2.805219	NA	1.45032	0.852285	3.156183
1.360679	3.320306	2.832712	2.652321	0.894043
3.07517	2.9956	2.88201	2.566687	3.156504
0.870585	-0.59223	2.122002	2.857156	3.207354
2.816722	2.573637	1.332047	1.543791	3.39625
0.870684	1.250228	2.19527	1.400171	2.304281
3.145064	4.732129	4.790147	2.858037	3.814778
-1.19377	3.294076	2.266157	NA	NA
3.54065	2.650327	2.435616	1.60398	1.464462
1.553047	1.734588	2.657082	1.823776	2.655471
3.018467	3.203926	NA	2.649537	0.992636
3.177154	2.63493	1.815355	1.2576	1.579744
1.951182	1.805023	1.269822	1.924971	2.338012
1.222533	1.121764	3.053147	0.70689	1.069417
2.873513	2.532306	2.280991	2.171462	2.98618
2.738208	1.32019	1.072598	1.167779	1.655709
3.574782	3.341287	2.604657	3.375056	2.624407
3.160848	2.640539	2.316905	2.647989	2.174635
1.998515	3.341982	3.165777	4.255762	3.716597
2.47153	2.261899	3.448469	2.474665	3.341488
2.941042	4.099083	NA	3.330385	2.823149
1.425082	1.985291	1.638299	1.906185	1.421313
3.026163	3.253978	2.596936	2.530499	NA
2.289161	2.666452	2.405196	1.345005	0.813192
-0.66357	-1.40316	1.747588	3.174892	NA
1.298642	2.159892	NA	2.567634	2.556299
2.908054	1.728548	2.626088	1.698312	2.727117
3.820321	4.421024	1.065194	1.226407	2.798718
0.600908	0.574413	1.407816	1.254273	2.313309
2.763969	1.891838	2.031358	1.395254	1.966388
4.420951	3.681512	3.581157	2.859936	3.643853
3.245706	2.157221	2.003141	1.853165	2.053275
3.871377	2.534827	1.922637	1.514201	0.196022
3.969365	4.348625	NA	1.728652	2.629299
1.063792	0.627108	-0.04785	0.643263	2.444995
4.614796	2.978012	2.139769	2.675946	2.872609
0.983946	2.443974	1.843563	2.998255	3.90173
2.229301	1.779127	1.64477	1.542323	0.249045
-0.81958	4.082542	2.713896	3.351779	3.536888
3.087738	2.337981	2.171134	1.693296	1.304317
3.074129	3.648268	NA	1.030647	2.761568
0.709226	3.101653	2.50178	0.602332	1.229017

1.16784	1.476795	1.923054	3.527748	1.373231
3.043718	3.005043	NA	2.218984	2.019237
0.419171	2.511293	3.092965	3.877948	2.134953
2.364322	3.669992	3.063897	1.834818	1.365256
0.51521	3.30434	3.110943	3.039843	3.218571
2.895165	1.743251	1.735821	1.092054	0.503461
1.25119	1.29746	2.487503	2.376802	4.900113
1.211061	1.960353	1.264511	2.932085	4.319352
-0.24541	1.974483	1.260232	3.324606	4.834212
3.026035	2.764676	2.121548	2.968167	3.197187
2.384439	2.736744	1.848457	1.47654	2.207258
2.121564	1.884685	1.460693	1.268924	1.487131
3.456416	3.475555	2.256313	2.869758	2.290058
0.155894	1.789603	NA	1.674107	3.055721
3.003971	2.798658	2.59275	1.067925	0.772458
2.88961	1.914911	1.21179	1.888055	2.503851
2.18433	2.429439	2.925664	2.121245	2.59763
3.905313	3.182913	2.530012	2.476749	2.777694
3.689938	3.005522	1.638599	NA	0.717476
1.178875	1.561467	2.729701	5.228328	5.261665
2.741624	2.869619	1.592811	2.012449	2.286128
2.974322	3.643185	1.896843	1.839036	2.874787
3.391825	3.301381	2.206049	1.388091	NA
1.756705	1.847012	1.526673	2.068413	3.57209
2.933535	2.644873	1.765745	1.894549	2.230819
-1.86734	1.853607	0.710453	1.981331	2.052582
1.852117	1.953736	1.085822	1.511576	1.170579
1.588418	2.071322	1.792005	1.865108	2.677775
0.342698	5.917021	3.622653	1.558342	3.225811
4.6177	3.583851	4.23603	2.140007	4.29399
-0.04566	4.503673	4.507021	0.336112	1.623774
-0.51266	-0.07301	1.419506	2.800154	2.730951
-0.43795	0.386699	2.250137	0.696743	0.769501
2.622158	2.62389	2.614389	2.460016	2.941071
0.527963	1.541468	2.345452	2.472042	2.866911
0.774511	3.003778	2.947367	1.937291	5.02123
0.489133	0.494303	1.273536	2.728397	4.840105
1.250068	2.279883	2.491261	1.609088	2.306744
4.10919	3.205729	3.003877	2.560023	1.128492
1.661375	1.387204	1.215061	2.007374	2.759449
0.702784	0.636034	1.066368	2.70549	0.943796
3.592986	2.990505	2.514012	2.437889	0.87649
3.406563	2.824914	2.431895	1.703236	2.151671
-1.94943	1.940733	0.010879	1.74561	3.515054
2.780782	2.226385	2.019081	1.741918	1.369869
3.557933	3.608625	2.421673	1.301522	3.252681
3.115283	2.324143	2.464188	1.507218	NA
0.516051	-0.25257	NA	0.389547	1.705356
2.292695	1.433826	NA	-1.01436	1.656584
4.043595	3.358268	2.634988	2.846843	2.584475
1.572665	3.910453	2.364268	0.990555	3.382729
1.906533	2.501329	NA	NA	2.751656
5.118267	4.915463	3.21402	4.343552	2.469356
0.412315	1.960147	3.950436	3.148054	1.675708
2.782039	NA	0.961704	1.693667	3.651099
1.929179	NA	1.053653	1.490229	2.449547
1.179655	1.883536	NA	1.919248	1.299941
1.419911	2.169786	1.439613	1.81242	2.271327

2.832439	1.498299	1.62209	1.705703	2.246871
3.983867	-0.46219	0.396442	3.716152	-0.47421
2.986394	2.776654	2.505044	0.750006	1.26843
0.499463	-0.35782	0.338099	2.192757	2.603206
1.600712	3.29397	2.21672	2.327031	-1.03296
2.50637	2.74572	-0.46103	2.186731	2.274595
1.544624	1.719457	1.069822	1.899483	3.276775
2.996546	2.801674	2.12104	1.987386	2.225468
2.066923	2.3539	1.407776	1.319953	1.384658
1.006756	3.281624	1.55123	0.951639	1.502977
1.87821	1.778602	1.028441	0.80031	NA
2.343589	2.73883	2.276848	2.706952	2.568179
-1.07308	-1.39757	0.764174	2.170544	2.723499
3.296958	3.609902	3.750613	3.570068	2.771638
4.044787	3.918591	2.785386	3.001327	2.948386
1.967902	2.89024	2.456156	1.168296	1.155838
2.520923	2.667401	1.346229	3.089937	1.459804
3.122633	3.362462	2.295107	1.304111	1.005478
2.456228	2.389323	2.539783	1.947793	1.722758
0.469266	0.183958	1.476255	2.372271	2.705437
-1.31184	-0.81085	1.239153	2.765108	1.024002
2.863197	NA	2.203486	0.951533	2.701649
1.305393	4.972065	1.922719	1.611532	NA
2.002524	3.529661	0.724306	-0.40035	2.967808
-0.33467	1.963055	2.180032	3.090414	4.713607
-0.19787	NA	2.568653	2.835712	5.046599
2.655944	2.778194	2.380974	1.985688	3.801713
3.16267	2.286199	1.060737	0.43942	2.040759
1.119827	0.858731	2.344901	1.562928	1.280519
2.73505	1.558714	2.233153	1.191327	1.062271
3.682424	3.804996	3.263166	3.014567	1.975534
2.658844	3.187919	2.798019	1.731879	1.729079
3.295413	3.053461	2.293411	1.778508	0.733699
-1.41967	3.050407	0.385991	2.57887	2.584909
4.00063	3.580434	2.4318	3.05593	2.315965
3.267393	1.684983	1.859506	2.166666	2.120776
1.06123	2.80804	2.176542	1.235181	2.844573
3.077616	1.718388	2.327153	2.626896	3.188145
2.56071	-0.3596	2.604662	2.536464	2.029663
3.608256	3.287578	NA	1.711011	1.079685
0.365101	1.437444	2.755628	3.729216	5.239269
3.819488	3.811599	3.528717	3.300859	2.523792
3.305991	2.265594	2.31382	2.314811	0.53854
3.377957	2.992629	3.142921	2.285628	2.915655
1.193455	2.372543	NA	2.376282	3.010159
4.216371	NA	2.153153	2.203202	2.240183
2.864072	2.836491	2.625227	2.732881	2.37385
-0.95657	2.180605	1.968933	1.289189	1.456979
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2.328127	1.258993	1.353875	2.729774	3.117771
0.54351	0.634167	1.030751	5.034769	4.637824
2.265156	2.551769	1.908199	2.539882	3.050387
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2.470479	2.525335	1.188886	1.960914	1.990259
3.609326	2.072388	1.521641	0.471749	0.085227
3.043414	2.358977	1.84799	1.627146	2.444422
0.646441	0.764626	2.012806	1.025608	3.506596
3.709646	3.171036	2.748235	2.265016	1.82115

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0.023185	1.793842	3.379587	3.28363	4.587347
2.437606	2.26022	1.993724	1.985485	2.876226
2.728828	2.166823	2.057313	1.95428	1.413958
0.32507	0.391136	1.931661	1.463641	4.695404
4.527829	4.294757	3.510614	2.607934	2.107031
3.020123	2.768401	2.313116	0.371612	0.294469
3.669146	2.970863	NA	1.443747	1.518164
2.94556	1.786375	3.430445	1.416461	2.40191
0.051089	3.349603	0.474513	3.975186	4.064154
3.409197	2.019175	1.157007	-0.60709	3.846375
1.983192	NA	-0.27301	-0.49517	0.043188
4.282216	NA	1.543147	-0.88352	2.010273
1.527199	1.93858	1.750064	2.223128	2.080124
2.852887	2.328974	2.014343	1.967011	1.659244
4.123756	1.567722	2.29573	-0.27325	1.121786
2.981442	2.44679	1.582924	1.538946	0.589398
1.858704	2.661209	1.371372	2.159642	2.19523
3.4027	2.917302	1.644454	2.115098	1.981837
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3.310497	2.065149	1.9424	2.034181	1.624284
1.721444	2.147824	1.11276	1.878523	1.949237
1.375343	1.273125	NA	2.128519	2.157776
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1.553112	2.286961	1.451039	0.771328	1.475529
1.064718	1.704315	0.712105	NA	3.875514
3.57045	3.744189	2.901392	1.73236	2.66036
2.903102	2.59648	2.481613	2.669841	1.473825
3.169498	2.43169	1.483458	2.629829	2.747916
2.233827	NA	1.916746	1.907631	2.153237
3.218945	2.763146	3.096176	1.309838	1.504557
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2.643501	2.007489	2.040065	1.75472	2.889199
1.948712	2.56328	2.588859	0.559965	3.224002
0.915101	1.724248	1.621707	2.549646	1.885581
2.946806	2.30317	NA	-1.15791	1.904852
1.318606	1.404213	0.651822	0.766669	0.842795
4.039272	1.621193	2.996052	3.360515	4.100781
2.48836	1.1251	1.41413	2.222318	2.044827
1.442568	2.345452	1.597718	1.793851	1.242371
1.158714	1.783198	1.865615	1.983566	0.940598
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1.844709	2.699732	1.816347	2.370928	1.927083
2.520191	2.699347	1.547054	2.385335	2.75272
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3.196749	0.770041	-1.20116	3.093742	3.645887
2.717592	2.142823	2.094948	2.286988	2.077866
1.400178	1.657578	1.722	2.257453	0.760863
1.233082	1.691871	1.131478	2.020422	1.378268
2.416169	3.024932	2.3363	1.645865	2.084804
2.896413	3.292448	2.368116	2.56975	NA
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1.548818	1.657791	0.857773	1.4441	1.781091
2.436927	3.09987	3.003535	2.674489	2.200881
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1.488725	NA	2.992298	4.000417	5.471279

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3.064239	3.05698	3.454476	2.756475	3.290049
3.156776	2.028199	2.627668	1.806031	2.310736
1.642351	-1.19761	2.439974	2.72789	3.002655
3.320264	2.07828	1.832901	0.930696	0.694362
2.84371	2.417422	2.745152	2.012175	3.077159
2.935388	3.12937	2.328154	1.697785	1.178667
2.329485	3.315161	3.500496	1.790968	2.224761
4.598372	2.711807	2.019673	1.932505	1.283851
2.445069	2.107447	1.949247	1.627857	2.646777
0.731598	1.270043	1.559176	2.530246	3.592594
3.487171	4.15921	2.778011	1.861126	0.787804
3.754008	3.683923	2.542402	-1.40483	NA
1.810697	1.968468	2.133037	2.208189	3.42111
1.500637	2.208047	1.482435	1.820147	NA
2.608182	3.179752	0.881893	1.375166	2.059495
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0.948404	2.02706	0.976619	0.453799	0.371549
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4.045901	1.815271	2.688079	1.840977	2.339606
3.1449	3.003236	3.633739	3.148901	3.447203
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2.269413	2.285061	0.958929	0.745948	0.592942
3.586506	2.808219	2.230918	2.36482	1.85039
3.89515	2.623969	1.348386	1.338594	-0.71684
-0.13471	1.372189	1.616209	0.183377	0.360588
2.699744	2.727421	2.144436	1.779968	3.246879
1.552047	2.050396	1.964979	0.274348	-0.09101
0.206361	0.66298	NA	0.5883	1.017919
0.957184	1.730367	1.59763	2.025061	3.478964
2.954051	2.137238	2.006063	1.605213	1.551742
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2.304822	2.882842	2.374199	2.237165	0.942039
1.986753	2.897208	2.551626	2.384604	2.231595
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4.142022	0.411538	-1.5314	2.776016	2.636612
2.378066	3.61996	2.870604	3.236601	2.657543
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3.196996	2.906609	2.685257	1.768596	2.61377
2.877157	2.207837	NA	1.32475	1.664924
1.195415	2.198855	0.927492	0.484539	2.519148
2.251478	2.454532	1.110907	0.58069	1.138539
3.537392	2.50605	2.461509	2.27571	0.386239
0.956735	1.834941	NA	2.033441	3.312887
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1.70718	1.850429	2.44924	2.251212	0.476259
2.584853	2.726662	-0.08181	1.004716	2.057577
2.757087	2.770754	0.883081	1.142691	3.476698
2.815762	2.09058	2.111004	2.429877	1.014355
0.034091	3.111545	2.819587	2.150855	1.833568
0.906321	2.488667	2.345127	1.253943	-1.46418
1.807689	0.960798	2.248564	1.97494	1.845192

3.359281	NA	2.360005	1.403343	0.092552
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2.941735	2.796761	2.591593	1.348682	1.328851
0.765174	0.873969	2.059897	2.929607	3.07832
2.629896	2.873928	1.831323	1.863524	2.212288
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1.035076	2.136428	2.356397	0.782351	1.797139
2.800422	2.086242	-0.11769	1.838948	2.461415
1.197764	2.461059	NA	1.647946	1.698923
1.416195	1.65747	NA	2.801015	3.202911
0.067682	2.81415	1.835303	2.019145	3.41078
0.462875	0.528518	2.061819	1.330017	2.60146
2.489818	2.067474	1.190696	0.44261	0.857231
0.957693	1.017743	1.691375	1.055439	1.580849
3.546233	2.678376	-0.26523	-0.21401	2.682766
4.006855	3.386847	1.952266	-1.24549	0.567828
1.425229	NA	1.243469	1.77864	NA
2.202177	1.822957	1.699029	1.715732	1.676106
2.655358	2.757773	2.761423	2.529362	2.020084
1.579807	2.047503	1.241442	1.233489	1.890292
3.440179	1.831351	3.917158	0.139112	0.20344
3.174308	2.91017	1.678235	1.227946	0.345239
2.158963	NA	1.015866	1.393815	2.125302
-0.2934	1.77342	1.152877	1.210232	1.390092
1.877299	2.783384	1.90927	1.882857	3.134087
1.262069	2.643127	3.058247	2.628553	1.415257
2.271811	2.124406	1.968761	2.180383	2.121207
1.242051	1.187258	0.576518	1.288974	3.030606
2.239312	3.566467	2.795163	2.341263	3.006409
1.15994	2.35059	2.468342	2.818352	2.42679
2.291211	3.210165	-0.35658	2.017741	2.26305
-0.43123	0.585863	0.633519	0.689646	-0.1951
1.826302	3.375384	1.904047	1.677613	1.947545
0.636614	1.733849	1.794456	2.274412	4.684281
4.17641	1.231332	3.473974	2.39267	1.821799
1.655802	-1.66557	2.775496	2.664029	3.22207
0.137105	0.45197	1.447493	0.374048	3.713499
3.288455	NA	2.532441	1.836506	2.259083
3.504101	1.308959	1.342803	2.978561	3.687805
3.06777	1.594235	0.730002	2.301458	2.354754
0.578159	1.511191	2.218697	2.446349	3.511607
1.084927	1.508379	1.466459	1.213015	1.491268
1.728884	1.600217	2.039388	2.056103	3.91021
2.538825	2.301165	1.008528	2.613724	2.920286
2.410168	1.805138	2.082485	1.126284	1.698764
2.106456	1.913163	1.603375	1.712053	2.144073
0.380746	0.424967	0.58386	2.510697	0.504027
2.375525	2.4867	2.28617	0.627781	0.444505
2.531514	2.5874	2.07319	1.735196	2.869709
1.959815	2.168208	2.68869	3.015577	3.175403
2.252767	2.180593	2.1155	2.327003	2.179911
2.719191	1.398518	2.413066	1.990995	2.817226
2.909512	3.630794	2.530175	1.63768	2.112488
1.165664	2.323976	1.452618	2.206453	3.193731
2.247718	2.344655	2.880196	2.356499	NA
1.153883	1.613549	-0.03394	0.06672	2.05258
1.252624	1.825653	1.638321	2.062707	2.114972

3.820491	NA	1.652278	1.940096	1.569587
2.623372	2.641577	2.247893	1.581994	1.804681
1.440132	0.181867	1.897639	1.03939	-0.46595
1.82903	1.160052	2.210156	1.695661	2.461731
4.091314	3.316141	1.63246	1.938455	-0.28045
2.043806	1.194253	1.519878	1.519173	0.470206
2.752354	NA	1.663232	2.053758	2.097072
2.422478	1.619746	1.696793	1.42647	0.126008
2.844933	2.352901	2.085744	1.781807	1.752893
1.85111	3.114476	3.288403	1.936696	2.815618
1.473003	2.162985	1.811392	1.972448	2.91428
0.118159	NA	0.342195	-2.09988	2.297523
0.668968	-2.19279	2.108437	2.101431	3.53276
0.868674	1.666777	1.458993	1.751273	2.05035
2.389212	1.644002	0.939075	1.729743	1.712177
3.303165	2.956134	2.488682	2.049664	3.050182
3.740221	1.663878	1.842653	2.283234	3.651268
1.557001	2.78363	0.593978	2.150546	1.78671
-0.63704	-1.88614	0.403812	1.512499	0.074798
0.660055	2.351396	2.13138	1.687647	2.673189
2.345745	2.002254	1.340755	2.065951	1.985157
2.210764	3.456682	2.98047	2.14075	1.29487
2.773948	2.766415	2.121007	1.907585	1.149313
1.501734	1.151184	1.604485	2.397904	2.247312
0.391749	0.412886	0.316035	1.480073	1.365395
3.310417	2.316672	1.986543	1.57795	2.043399
2.408395	2.487874	2.035979	2.302641	2.38505
0.960998	3.178897	1.924811	-0.3269	1.92384
2.471182	2.511472	2.538019	1.922352	2.415056
3.71246	2.533241	1.946228	1.137244	2.81087
4.110623	2.677245	3.014197	1.980537	3.168011
0.431074	1.523626	NA	1.683667	3.255909
2.793748	2.426953	1.757617	0.287273	-0.92785
-0.03766	0.626392	-0.29023	1.548641	0.389276
1.381761	2.404824	1.544931	2.226286	2.520614
2.368981	2.330231	2.545747	2.149098	1.179281
1.164064	-0.83589	0.920788	1.967758	-0.22822
2.148494	2.606524	2.207975	1.902118	1.643998
0.623145	0.955691	1.159932	2.068859	3.626058
-0.60528	1.76398	0.061226	1.51659	2.132054
2.238801	2.038897	1.386217	1.428915	0.64142
1.027734	1.050233	0.757509	0.488658	2.191877
1.688398	0.986133	1.57874	0.772674	-0.58483
2.235657	1.638087	2.053966	1.858076	2.353808
-0.08417	1.222235	1.613191	0.657864	2.325242
2.955425	2.548091	2.333171	2.016606	2.701215
2.570144	2.398321	1.920237	1.458527	1.054395
-1.88672	1.897951	1.804829	-0.98477	-1.65525
0.702706	1.185277	1.860753	2.24197	3.073413
2.324702	2.098231	1.967859	1.652183	1.384599
2.935262	2.444304	1.609883	1.591356	-0.16487
0.943867	1.062176	1.666905	2.444369	2.852398
1.098406	1.491313	0.759503	-0.21351	-1.21555
0.849103	0.519052	0.976222	1.141159	1.264358
1.858162	0.314674	2.480232	1.244481	2.201148
1.430943	0.736758	1.306577	-0.11793	1.942982
0.562824	0.062398	1.133716	-0.24223	1.552879
1.502984	1.385306	NA	1.689378	1.596727

2.068272	1.619272	NA	1.462708	0.539852
0.267053	1.976076	NA	1.138383	2.555564
2.074082	2.651256	1.048827	2.308784	3.335985
2.890668	2.763622	2.346043	1.754976	1.865556
2.380409	0.926321	0.485393	2.257182	1.331734
0.837747	1.426481	0.84734	2.276598	2.754207
1.84955	0.981806	1.44627	1.873114	2.126127
0.797589	1.57706	0.817229	2.540312	3.600917
1.795778	NA	1.871836	2.216302	1.198205
0.776251	3.934055	4.224372	2.206683	0.708489
1.520918	2.288817	1.839587	1.773641	NA
2.927378	2.117117	1.141113	2.411593	2.032982
0.368023	1.489038	0.592551	1.975406	3.542857
0.94477	1.876698	NA	1.749493	1.874769
2.464468	2.125502	2.406275	1.911321	2.311515
2.791536	2.533252	1.207302	1.674849	2.005294
0.681426	3.49919	0.156015	-0.29633	-0.65676
1.290587	1.542852	0.510836	1.759794	0.686646
2.498278	1.701873	1.526142	0.073513	1.567906
0.376306	NA	2.325007	-0.94671	1.50825
-0.31406	NA	NA	0.175181	1.882683
1.776222	2.8035	NA	0.628918	1.807465
2.542536	3.148114	NA	1.815107	2.695766
0.632954	0.599822	0.379661	0.212146	2.615753
2.392801	2.345054	1.413115	1.137139	1.229203
1.037654	0.764706	1.105565	1.974528	1.925253
2.633732	2.218493	2.446955	2.404967	1.933819
0.761829	1.913871	1.606957	0.69015	-0.33285
0.142576	1.93871	2.068999	2.01318	3.047311
2.339067	1.997216	0.903942	0.854188	0.214671
0.977887	1.845558	1.655961	1.902522	2.338433
1.762523	1.687997	1.750151	0.732644	1.251255
1.798695	1.792203	2.563451	2.741752	2.530415
2.761104	2.629976	1.617878	0.870876	0.783476
0.068622	1.310348	1.023649	1.871317	2.444019
2.782586	2.669648	1.918434	1.622232	1.37177
2.574488	3.49117	2.99758	2.696729	1.093798
2.019716	2.031671	2.39403	2.604855	2.085563
2.731179	2.24784	1.454369	0.421424	0.971537
1.89522	2.605079	2.414791	1.786407	3.571166
1.710046	3.042573	2.554284	1.869365	2.834057
-0.57068	0.132903	2.172563	2.921669	2.806958
0.086699	0.884454	1.796367	1.779592	3.330254
3.136671	NA	1.273032	1.291244	0.84248
2.671635	2.608968	2.726978	2.276901	3.800784
0.243074	-0.41873	0.32952	1.992811	0.037882
1.849625	0.545126	1.753982	2.371465	2.54125
1.841742	2.683317	1.26357	1.496572	2.929072
2.224435	2.294834	2.105689	0.579156	NA
1.892029	2.299402	2.140773	0.507608	2.965094
3.190073	2.05412	2.768967	1.34266	1.503158
3.347795	NA	1.757678	2.675009	1.088631
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2.394507	2.074015	2.69251	2.067603	2.362058
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1.248482	1.851367	0.908285	0.741018	1.104829
1.240312	2.308208	1.551598	1.962361	2.715737
2.408861	2.274077	1.265262	1.025249	1.414483

0.342955	3.050599	2.854229	2.807039	2.360393
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2.236455	2.694882	0.840649	1.768598	0.773044
2.385561	0.718995	1.701741	2.503463	2.423325
0.591363	0.584873	NA	1.360283	1.328931
2.262416	1.236072	NA	1.377179	2.043768
0.029279	2.208836	0.480268	1.139996	3.383319
3.357539	1.89237	1.354343	2.50488	1.410231
1.663952	2.546179	2.390205	2.207333	3.441041
0.723159	1.572043	1.493261	-0.14236	-0.56927
1.106436	1.115566	NA	1.119022	1.23217
2.336391	1.807454	1.818729	1.689983	1.279709
2.227083	1.106946	1.265166	1.345557	2.944138
2.026835	2.453393	1.266485	1.150855	0.529596
1.915825	2.259297	3.309963	2.677761	1.223824
1.132753	1.577818	NA	1.795127	2.340889
2.94294	NA	1.839909	1.123811	1.88228
1.353442	1.642793	2.395467	2.498565	3.336709
2.132527	2.06698	0.854485	1.355461	0.796498
2.310493	0.412496	0.43992	1.17417	0.306787
2.121182	1.213788	3.028381	2.870709	4.015598
2.519112	1.991508	2.351441	1.675202	2.534724
2.374472	2.595012	1.877851	1.299381	2.049045
0.921667	-0.74087	0.657349	1.770816	2.225433
0.576878	2.756526	1.761214	0.229758	3.014777
2.077247	2.42747	1.153496	2.233786	2.011513
2.616785	2.473889	NA	0.503021	1.460637
1.425392	1.256555	1.644357	1.776763	2.300045
2.620465	2.229099	1.6771	1.35764	1.316734
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1.671949	1.532961	3.245898	1.294101	2.368883
-0.66552	0.485824	1.478624	1.485394	2.913086
2.947259	2.250938	2.361494	1.266163	1.275993
1.057581	1.62612	1.44766	2.394536	3.268298
0.633147	NA	0.657068	0.884577	0.349951
1.993524	2.890177	2.076833	2.051463	2.474604
2.149899	2.69246	0.646824	0.313763	0.630769
2.614314	1.61469	1.867974	1.460019	0.730578
0.199291	NA	0.754693	0.6856	0.428655
3.769993	2.416496	1.612914	1.067001	-0.52185
0.497734	2.84684	2.448215	1.649351	-0.07589
0.925495	1.059604	1.712037	0.242084	0.221909
2.925498	2.970755	2.104886	0.248576	1.343918
1.594078	2.417486	NA	1.133674	1.491962
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1.254985	2.83622	2.386642	2.370151	2.968643
1.305914	3.024263	2.161943	2.222849	1.125424
2.344456	2.261226	1.023792	0.61394	0.576174
2.004254	1.24386	0.578454	1.034877	1.361643
3.26959	2.273192	2.355521	2.250856	2.003038
3.062831	2.490594	2.402607	2.059435	1.257798
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1.83478	2.541567	NA	0.290617	0.462004
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0.149913	1.820272	2.369033	2.405129	3.524604
0.812485	2.188168	1.959255	1.989703	2.6491
1.098772	2.482086	2.171754	-0.58561	0.212557

0.999502	2.270146	1.195191	1.575707	2.133787
2.20931	1.607719	1.524278	0.894612	1.010685
1.56931	0.53114	1.623907	0.507463	1.299123
2.843405	0.441718	0.239156	0.110038	1.394984
0.475346	-0.3707	0.051349	1.845025	1.414186
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1.010594	1.608657	NA	-0.34382	2.721418
2.718265	1.670212	0.733344	1.799203	1.829006
1.655849	1.442161	2.173162	1.977795	0.87877
1.898295	2.475217	2.359313	2.237748	1.844808
1.003184	1.494746	1.589069	1.78337	2.08633
1.459611	1.51043	1.155833	1.041232	1.037644
0.768895	2.069026	1.23419	0.879083	0.876722
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2.811329	1.921478	2.375959	1.626663	0.828156
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1.473849	2.273316	2.363102	1.71414	3.014677
2.671721	1.800617	0.639085	1.570594	0.689729
2.306604	1.593073	1.406269	0.48221	-0.74554
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1.925678	NA	1.133055	0.48542	-0.83598
0.425792	0.191403	1.137954	0.297011	2.009143
1.935129	2.070198	3.076347	2.740699	2.573876
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0.295778	0.723875	1.028712	1.600518	1.663355
1.526305	1.212749	NA	0.552224	3.998639
1.433692	2.291748	1.946575	1.221573	0.919162
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1.558114	0.86411	1.065384	NA	1.417797
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1.764545	1.997204	2.818305	1.556015	2.788351
1.8319	2.32043	2.728553	1.792801	2.280833
0.947622	2.569563	-0.1114	1.257154	1.915405
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3.434747	3.349393	1.199714	0.558802	1.582768
2.818285	1.453053	2.408197	2.014878	1.789729
0.558663	1.40088	1.714097	2.147859	1.405829
1.264649	1.697518	NA	0.788761	0.515214
2.237306	1.06539	0.097317	0.33958	-0.28653
0.285942	1.422032	1.472314	1.485712	2.256187
2.014711	1.954313	1.700188	1.44718	2.337846
2.694683	1.492735	1.127234	1.656393	1.393958
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2.150031	2.09703	2.19197	2.158755	2.438435
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2.612577	NA	1.412791	1.252081	-0.32122
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1.868157	2.417264	1.84821	1.648852	2.456517
1.1458	3.333175	1.744317	1.177211	2.128394
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1.911917	2.314227	1.507578	0.790817	0.130483

1.744347	1.80218	0.938038	0.930568	0.163932
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1.440622	0.280328	2.941976	2.227966	1.668193
0.121992	2.374618	2.417606	1.030763	1.164073
2.33985	1.909685	1.452866	1.206969	1.266077
1.891553	1.585774	0.958338	0.718519	-0.40874
0.781204	0.873162	1.568086	2.020648	2.351801
1.945388	1.824084	1.45957	1.800686	1.835896
1.847593	1.371697	1.747218	1.758979	1.626081
2.317204	2.984287	1.729463	1.482804	2.231021
2.328719	2.084408	2.00613	0.410609	2.444485
2.281106	2.374666	1.480461	1.658001	0.794938
1.794661	1.504511	1.304162	1.534782	2.190857
0.771096	1.305875	1.176083	1.771878	0.340686
1.089604	2.759215	2.967533	1.836211	1.907588
2.475966	1.84883	1.364156	1.709133	2.417366
1.154496	1.264241	NA	1.461159	0.597223
2.358974	2.293153	0.952015	1.301165	2.282712
-0.28902	1.001196	2.549723	1.345392	2.407484
3.034961	2.331184	0.919823	0.607114	0.510156
0.989748	1.573302	1.563269	1.522053	2.214957
0.024545	0.370578	-0.09248	1.033721	1.735142
1.060422	1.263918	1.683616	0.94171	1.720883
-0.27367	2.695297	0.61439	2.049997	2.03146
2.758495	2.651032	NA	-0.34996	1.59669
2.723855	3.338111	1.044133	-0.86959	-0.74904
1.779461	1.122142	1.23914	0.864909	0.76971
1.60673	NA	1.606794	1.779897	1.548582
2.370719	1.634528	2.010601	1.162652	2.161761
2.014487	0.796536	2.034039	1.608257	1.62466
1.596344	0.966141	1.152933	1.416685	0.316462
1.822247	1.166268	0.765827	2.1723	2.737963
0.73809	1.185123	1.882197	0.285717	3.182412
2.182255	2.318186	1.153604	0.503669	-0.57276
1.425615	2.366838	2.209195	1.760738	1.250714
1.417566	1.048202	2.229824	1.962196	2.923997
1.038144	-0.20386	0.897995	0.803209	1.671678
-1.39531	-1.80465	NA	1.145312	-0.32583
-1.2463	-0.97977	0.500339	1.622987	-0.06299
1.80744	0.60718	1.057206	1.551415	2.946621
1.080916	1.327538	2.838805	2.259485	1.170399
1.248915	1.90216	1.808278	1.77493	2.300333
2.358577	1.590061	2.097624	1.741886	1.122901
2.080804	1.669243	NA	1.95964	2.907471
0.395094	2.180753	0.989113	0.40073	0.870085
2.269871	2.117047	1.847409	1.354644	2.220585
2.31302	1.902587	1.978883	1.161623	1.481656
-1.80647	2.856234	-1.80514	1.103088	0.15275
0.906684	1.02377	-0.06254	-2.01843	-0.67244
1.780897	1.714056	0.109875	1.206666	0.827918
1.48642	2.128778	1.282271	1.725936	1.701108
1.992554	1.614247	2.138509	1.663729	2.260785
0.663911	1.92167	0.779475	0.72494	1.087637
1.991021	2.132807	1.098433	0.01859	-0.03948
1.061202	1.727786	2.294301	1.667294	2.700573
1.448799	1.827686	0.501949	2.008978	2.141587
2.835441	3.143149	1.477612	-0.06423	1.100651
2.128294	1.625766	2.138094	2.053019	1.38095

2.082534	2.405094	1.746306	1.130146	1.982999
1.860105	1.814344	1.413957	0.658815	0.178119
1.29464	1.579146	1.626064	1.185457	2.251845
-0.84524	1.728231	2.153956	-0.61187	2.64929
0.946984	-1.25685	NA	2.215327	2.159938
1.431029	2.456822	1.91825	1.207033	1.350454
2.445361	2.145245	2.481057	1.525704	3.355751
-0.86648	0.921317	0.414281	3.521539	1.545235
1.509842	2.597357	1.750244	1.632976	0.855019
1.181471	1.780073	1.322422	2.260977	2.518097
0.893477	1.468794	1.315183	-0.01174	1.828345
1.063772	2.702737	2.197233	1.16138	NA
3.82491	2.729231	1.992342	1.567562	0.042054
1.822897	1.894566	1.000124	1.072082	-0.28709
1.845102	-2.34463	1.784292	2.483313	NA
0.939404	2.534171	2.212205	1.091465	-0.11406
1.326426	1.689834	1.380242	1.86329	2.745817
1.592626	0.442289	0.900267	0.585122	0.558187
3.040422	1.11668	1.065386	0.606205	-1.25842
1.148874	1.455526	1.160251	-1.30473	1.228147
2.67333	2.037746	1.83611	1.04788	0.897833
2.099838	1.267405	0.886974	0.490537	-0.84351
1.889558	0.891755	0.889393	0.627961	-0.09331
1.855391	1.575357	1.519266	1.193671	1.725611
2.049134	2.432594	2.221416	1.761535	1.906383
0.856552	1.943385	NA	0.865484	1.547526
0.785993	1.381544	NA	0.81427	-0.33414
2.459364	2.001392	1.045569	1.019354	1.526564
0.466087	NA	0.680806	2.741113	0.563159
2.03597	3.055353	1.960275	2.108396	2.177262
-0.23514	-0.21156	-0.89744	-0.71519	-0.97353
-0.24605	0.620479	0.590439	0.718587	-0.27151
1.63209	1.118875	-0.36078	-0.93216	0.516245
1.189288	1.245422	2.008845	-0.58202	1.448549
2.180661	2.616391	2.073791	2.007263	1.502471
2.410263	2.367412	1.060309	0.992487	0.34336
1.401017	1.450021	2.049832	2.203771	2.663104
2.469047	1.734168	1.582688	1.711792	1.654671
2.150619	2.579203	2.131646	2.370555	2.495252
-0.76446	-0.21285	1.622517	2.135725	2.157949
0.646075	0.965975	NA	0.066603	2.734562
1.192361	1.17272	1.251692	2.41366	2.08067
0.139518	1.636017	1.80632	-0.23861	NA
2.281102	2.506792	3.092485	1.102424	2.104835
1.965663	1.037036	2.159631	2.17281	1.639108
0.211479	-1.09486	0.113305	1.751775	1.199343
1.756539	2.238776	1.41134	1.529196	1.017981
2.04419	1.243319	0.59962	1.212365	NA
1.787833	1.941622	1.579922	1.306026	1.495884
2.482706	2.530353	1.52405	0.592362	1.157027
2.510583	1.618549	2.151576	0.878586	1.737748
2.505116	1.547718	1.525811	1.680503	2.68466
2.611526	2.369667	2.352616	1.997346	2.248445
3.291596	3.115138	0.943953	-0.00155	3.828984
1.707745	1.700916	2.865516	1.968707	2.701761
-1.47494	2.587832	1.571237	1.488972	2.838523
2.498215	1.504735	1.979879	1.943269	1.681275
1.040989	2.954294	1.693226	0.228921	1.152333

0.984401	2.116201	2.630708	2.177259	3.666591
0.277454	1.130703	1.447126	2.269644	2.410177
0.636686	0.473038	0.621491	1.762265	1.865136
2.134201	2.26015	NA	0.672554	-0.2077
1.807577	1.688977	2.340347	2.400968	2.393072
1.857478	2.169199	1.643064	1.553203	0.406403
-1.25199	1.795018	1.189648	0.695196	1.254782
3.424146	2.43389	2.595887	1.970891	1.17035
1.410217	0.997019	1.462648	2.238311	1.830103
1.952995	1.97574	0.97474	1.226993	1.048801
0.209938	1.366746	0.926555	1.335683	2.646178
3.004241	2.073704	2.073187	0.653952	1.309703
1.844822	1.657216	1.356251	0.696114	1.280615
1.245193	1.639404	2.030011	1.76554	2.175641
1.575819	1.027345	1.323778	-0.11565	0.493687
0.49435	1.079923	1.49118	0.334591	2.733889
-0.20061	2.578931	2.733447	2.19257	1.134108
1.988132	1.337108	1.04601	1.300658	0.351474
1.63223	2.370781	0.865648	1.304584	0.934389
2.015965	0.78361	1.464835	0.78394	2.627827
2.240896	1.916233	0.601125	0.717863	0.938278
0.098865	0.879552	NA	1.916208	3.211347
0.728613	1.854573	1.510068	1.674412	3.202766
1.05413	1.132533	1.739053	1.207633	1.479876
1.602273	1.590255	1.735644	1.404887	1.998595
1.481569	2.696469	1.252316	1.959028	2.553735
1.914999	2.504891	1.096402	1.047946	1.671088
1.851374	1.737074	1.224936	0.258123	-0.38905
1.231229	2.079567	2.040554	1.923433	1.818246
2.382434	1.580683	2.013964	0.818397	1.07738
0.704595	1.172732	1.449487	1.135715	-0.16487
2.268022	1.74851	1.291769	1.267761	1.043124
2.210086	1.791385	1.373547	0.790847	0.631202
2.330204	1.8708	1.227387	0.709604	0.260889
1.754884	2.293341	1.691272	1.755996	0.653458
1.962165	2.026622	0.437893	2.099135	2.910537
2.161225	1.60253	0.980125	0.58049	0.348981
NA	2.008901	1.05664	1.217629	0.520132
1.659979	2.169134	1.81108	2.104398	0.636531
1.69764	2.089838	1.899253	1.700898	2.003269
1.917289	1.968638	1.554737	1.27361	1.629002
1.902132	1.800147	1.622555	1.232878	1.553661
1.413762	0.630534	NA	0.758237	0.809368
2.159711	2.046053	2.354984	1.397859	2.256003
1.815515	2.164399	0.458193	1.569384	1.566475
2.226602	2.064076	1.52805	1.491074	1.765235
0.289259	0.311713	2.276361	-0.06448	0.847111
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1.351687	1.328165	1.478793	1.936107	1.522883
1.116252	1.444424	0.838943	1.69819	1.943617
1.781479	1.186579	0.829573	2.598547	2.122574
1.7282	2.128206	1.664186	1.992109	3.161234
0.518275	1.775626	0.590894	0.005092	-0.67097
2.968318	2.087784	2.340875	2.175256	2.460473
2.015435	1.49504	1.951457	2.170545	1.916882
1.560817	1.538104	0.918109	0.317924	1.785801
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1.394049	1.955061	1.539402	0.687204	3.42888

1.832488	1.144958	1.778223	2.219251	1.963725
1.326748	0.637481	1.585472	1.00059	0.597493
2.389445	2.257395	2.461439	NA	2.634342
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1.633831	1.743974	1.024513	1.236184	2.211193
1.959399	1.464915	2.041952	1.972684	2.206142
1.910689	1.202156	0.87413	0.363618	0.689702
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1.934527	2.610884	0.785872	0.823122	0.485562
0.263606	2.075687	0.476069	0.847637	-0.31694
2.320207	-0.66208	0.957441	0.318625	1.481531
1.957249	1.935802	2.182546	1.404738	2.234178
1.186196	0.883822	0.671009	0.266485	NA
1.320638	2.167125	1.997205	1.90539	2.444076
2.715232	2.102516	1.290004	1.211499	0.396378
1.06275	0.587248	1.06506	1.968878	2.554801
1.951244	1.500119	NA	0.128377	-0.66767
1.332447	1.369981	1.76808	2.243861	2.975399
1.563835	2.602013	1.18872	1.082109	-0.05557
1.756843	1.756401	0.727659	0.091868	-0.70393
1.199242	1.35614	0.5176	1.265431	1.897552
1.524223	1.667376	2.542937	1.699004	2.146007
2.247548	2.22257	2.375579	1.983104	1.666333
0.401795	0.041719	3.356249	-0.30695	1.551656
0.48642	NA	1.237718	1.48091	2.464472
-0.08551	1.025499	0.248731	1.44089	2.161736
1.79144	1.625786	1.248199	1.369036	1.079266
2.113135	1.838443	2.042405	1.568381	NA
2.485544	1.423286	2.083889	0.692531	1.608609
0.628816	0.783977	-0.18569	0.722632	1.494567
1.602806	1.247977	1.444815	1.558502	0.512646
1.561071	1.024312	0.041481	0.625762	1.517716
0.88734	1.544556	2.503133	0.703519	4.05788
2.824268	2.116478	2.154412	1.94931	3.184934
1.117861	0.730998	1.573483	-0.21929	-0.01362
2.090521	2.476477	1.671783	1.051547	1.066961
0.082021	0.65966	-0.04977	0.858144	-0.37577
1.820471	1.009518	1.857213	1.940575	1.042358
2.255344	1.769796	1.549212	1.436335	1.107908
1.02843	1.466397	1.40559	1.608379	2.320568
1.461537	NA	1.44773	0.983757	0.660711
1.2878	2.307172	2.020363	1.894848	0.445718
1.724783	1.944702	1.209409	NA	0.603644
0.939461	1.812304	1.359295	0.915495	2.533994
0.39512	1.67043	2.33909	1.935004	2.176074
1.860829	2.033549	1.068835	1.696852	1.01569
1.385387	1.283518	1.468203	1.635579	1.856276
2.017376	1.936669	1.915654	1.870579	1.502399
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2.474802	0.508038	1.28182	1.259214	0.600373
-0.41202	2.950243	-0.10179	1.450552	0.645837
1.756144	0.619728	0.796601	0.857245	0.803305
0.088808	1.296499	1.633429	1.967559	1.664235
0.277797	1.304391	0.957393	1.328948	0.894718
0.795607	1.615711	1.463785	2.202651	2.630002
1.223696	0.760552	0.820018	1.89897	1.827298
1.091338	1.428142	1.867068	1.36065	1.725371

0.001641	NA	2.870209	1.695404	3.45214
1.063194	3.218487	0.675079	0.008592	1.43996
1.184541	1.77836	1.2657	1.364406	2.638831
1.556936	1.899903	1.127038	1.157418	1.626937
2.508572	1.537613	1.310725	0.978006	-0.08321
1.517475	1.180056	1.244555	0.65675	0.994747
0.236966	1.953087	0.557512	2.011012	1.110488
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0.746839	1.592807	NA	1.941135	2.896431
1.571711	2.806847	1.876092	-0.08828	-1.49484
2.567804	1.681602	0.73642	1.611552	0.452508
1.360454	2.076853	1.853959	1.711142	1.681695
1.695892	1.757602	0.828945	1.112019	1.408208
0.827043	2.225416	1.991763	2.388518	0.940209
2.694192	1.964233	1.659874	1.713044	0.708775
1.883995	1.690107	2.259669	1.892914	1.80963
0.758885	1.311519	0.596523	1.297662	2.245353
0.3009	1.745405	0.242105	1.430602	2.070139
1.856359	1.861713	1.712778	1.122822	-0.06545
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1.840567	1.666499	1.129994	1.618578	1.93087
2.255389	2.014695	1.877227	1.23983	0.897301
1.938037	2.460417	2.001682	0.977604	1.392257
1.265198	0.480972	NA	1.193671	1.124192
3.537314	0.596763	-0.04935	2.493953	0.955045
1.580513	2.781993	1.667884	1.458138	3.29239
1.414886	1.516795	2.536668	1.726167	2.313593
1.962173	1.641626	1.646992	1.028405	2.258138
0.523614	2.432039	2.105042	0.19552	1.597674
-0.27958	1.285064	0.985696	1.503223	1.979627
2.295742	3.089801	1.96302	1.099726	2.751584
2.005943	-2.68615	0.416078	1.273361	0.601028
2.990106	1.34001	1.266093	1.390945	NA
1.798095	-0.50356	1.736378	1.630229	3.521238
0.681977	-0.89271	0.976839	1.493689	2.914631
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0.089379	1.144253	0.90865	0.894854	1.427729
1.328883	1.245315	1.21539	1.578335	NA
1.286108	1.714099	1.239985	1.893236	2.021136
1.154289	0.791247	0.819619	1.215317	0.936576
1.414904	1.244029	1.210331	-0.21272	-0.12613
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2.324379	2.120314	2.640485	2.639681	2.383597
1.776193	0.838042	1.00986	1.361089	2.706715
1.939974	1.745713	1.111347	1.804308	0.769771
1.908408	1.970693	1.405099	1.733261	1.468613
2.103828	2.110339	1.09534	0.739593	0.251435
3.196906	2.767064	2.8893	1.67945	1.323655
1.91385	1.799809	0.906348	1.251121	0.726918
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1.758272	1.076528	1.236669	1.019738	2.005035
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0.872644	0.959598	1.338792	0.276415	-0.17104
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2.853332	2.436614	1.538229	1.616953	0.64667

1.490793	1.429378	1.564161	0.915149	2.616257
3.021119	2.169271	0.053422	2.106092	1.965319
1.494384	1.424211	0.730992	0.31356	-0.40475
1.089494	2.240582	0.924421	-0.07742	1.244993
1.773461	1.692363	1.701227	0.900769	1.943199
2.374618	1.940455	1.762226	1.852471	2.467901
3.155216	2.321356	1.973368	2.088785	2.188034
1.808654	2.345211	NA	2.399036	2.333362
2.417506	1.280271	2.674324	1.902184	0.825059
0.118229	0.652258	1.871426	1.451371	2.276628
1.463093	1.543013	1.371388	1.39616	-0.165
1.194965	1.432151	1.344692	0.879831	1.908234
3.020107	2.13705	1.727215	0.491817	-0.15798
1.167737	1.894249	1.280504	1.015518	2.127882
1.727034	2.758912	2.497758	-0.22536	-0.5046
2.120324	NA	1.03478	0.397784	0.162816
1.080936	0.692942	0.244273	0.523878	0.307306
0.235339	-0.4257	0.109188	1.312344	0.48124
1.476353	2.484704	1.347943	1.10272	1.636552
1.4155	0.530529	0.414862	0.280431	0.029086
1.130085	1.383949	1.299693	0.957111	1.900856
2.339772	1.908317	1.310539	1.438451	1.483862
0.367389	0.512371	0.809958	1.531617	0.862945
1.858422	1.831003	1.003186	1.415012	0.514637
2.439181	2.849576	0.874123	0.029091	0.677857
1.027881	2.074002	1.351265	1.769227	2.69083
2.260318	1.86018	NA	1.184236	1.517
-0.93298	0.33125	0.799481	1.817163	NA
1.975292	1.636281	1.435442	1.340627	1.765723
1.643336	1.468744	1.538261	1.139944	2.399602
0.981839	NA	1.354564	2.968752	3.097771
1.015352	0.243078	1.88297	0.046705	1.984358
2.003071	1.867383	1.481221	1.93673	2.17847
1.742404	1.974822	1.45777	1.686981	3.181359
0.59531	1.037351	0.170418	0.233583	0.509374
1.224449	0.411268	2.477904	2.218068	2.717415
2.22484	1.574527	1.771106	3.132672	1.738705
1.213508	0.935543	1.549166	1.135456	1.071011
2.051496	2.358766	1.652241	1.59183	NA
-0.12384	2.06955	-0.16396	2.119839	2.541839
-1.55571	1.351878	0.494391	0.770788	1.587152
2.246515	3.055487	1.065486	1.307379	2.654527
1.265945	1.958011	1.323752	1.949089	3.416704
1.663427	1.915486	1.748953	2.477708	1.048011
0.52001	1.534205	0.810594	1.293462	NA
2.405764	1.193241	1.289312	0.314262	-0.30997
1.399429	1.886145	1.284391	0.581525	-0.14605
0.863841	2.407448	2.750625	2.084096	NA
0.837236	1.281101	1.360675	0.998743	1.349768
0.815278	1.006804	NA	0.813222	1.349035
1.567559	1.686481	1.319641	0.946015	1.971148
2.032873	1.230974	3.08891	0.881899	2.185467
2.417533	1.322258	0.927722	1.209652	0.207902
1.730285	1.570158	1.032413	0.840547	-0.39198
1.135862	1.000389	1.361437	0.971534	NA
2.560088	1.736418	1.26386	1.230429	0.98501
0.928439	1.140014	0.857001	0.962285	NA
1.921705	2.315337	1.979285	1.714208	1.087752

2.318197	0.064651	1.380401	1.449109	0.294387
1.985415	1.234599	-0.18727	-0.13253	0.672985
2.943712	2.887522	2.073001	1.898059	1.645917
1.53264	2.172425	1.66535	0.336624	1.910573
0.529967	1.29094	1.669532	1.920141	2.987069
-0.34477	-0.15531	-0.18065	1.293621	2.02856
1.818298	-0.06152	0.967344	0.858799	1.330644
0.709821	1.263478	1.53613	1.256323	1.619967
-0.17617	-0.17502	0.522256	0.647544	NA
1.460992	1.123949	0.825062	1.300889	0.722799
1.685872	0.93344	1.482421	1.122392	1.241531
1.510783	2.188157	1.045614	1.492706	2.478193
1.526723	-0.16395	1.027737	2.244577	1.981967
2.726931	0.710136	0.397101	0.625726	-0.92277
1.266015	1.471717	1.923421	2.490066	1.964598
0.557431	1.928817	1.193173	1.461485	2.151485
2.450044	2.006869	1.358806	2.031867	1.391951
1.500847	1.268429	0.453418	0.792696	1.726084
2.679196	2.492276	1.230708	0.359193	0.271391
-0.74883	0.902302	1.2829	1.069103	1.8351
1.114869	0.49915	NA	0.774784	-1.07341
1.841777	1.883328	1.880495	1.718023	1.812377
1.157376	2.270323	0.898868	0.518676	1.333503
0.768042	1.929561	0.970696	1.606974	2.130813
1.818529	1.270043	1.354654	1.806069	1.724516
1.429002	1.513553	0.994022	1.048804	1.039143
1.635375	1.404912	1.96634	1.196731	1.815467
0.074754	-0.34937	NA	1.712036	0.977882
1.457907	2.433778	1.779259	0.845712	1.582999
1.29035	1.717195	1.437079	1.314906	2.287495
2.0117	1.555797	1.992466	1.214957	2.407129
1.377207	-0.11895	2.024808	0.866114	1.593783
1.147046	1.245543	1.310177	1.613644	0.263118
0.263572	0.932044	1.057018	0.03639	2.607864
2.18462	NA	1.400183	1.337005	1.650607
0.680742	2.135465	1.300711	0.977309	2.092492
1.102991	1.494116	1.202697	1.595078	1.966772
1.870517	1.877951	1.140476	1.602107	0.568062
0.221043	1.069786	1.540998	1.56205	0.897619
0.2221	1.133243	1.183476	1.243894	2.744029
2.302021	1.827536	0.512016	0.606722	0.417046
2.09251	2.271258	1.944454	1.089136	1.757912
1.704988	1.450999	1.80699	1.756615	1.040044
1.121671	1.636865	0.534311	0.904769	-0.33312
1.709622	1.484305	1.673508	0.86768	0.963277
1.349451	0.617328	2.122543	1.135245	1.656605
2.109351	1.596282	0.470389	1.560819	1.597098
2.174027	1.806856	0.872887	1.493427	1.521694
1.432586	1.88597	1.516239	0.612972	-0.61707
1.670788	1.037648	0.619544	1.248905	-0.52273
-0.45075	0.603462	1.121638	0.839339	1.760696
2.025135	1.205198	0.598892	1.32468	1.0958
1.024414	1.396208	2.049719	1.712386	2.295691
0.906064	2.376899	2.304025	1.584331	1.820752
1.896468	2.232313	1.241862	0.744552	-0.36582
1.340867	0.804431	1.282821	1.470152	1.233058
2.218055	1.22817	1.37546	0.734118	0.716144
2.713897	2.037044	1.486951	0.763396	-0.83716

2.424884	1.542019	1.79128	1.271466	2.233683
1.146637	0.906797	1.518098	1.315033	1.763814
-0.02232	1.861319	1.920955	1.378282	2.346219
2.129317	1.602013	1.511574	1.417562	2.414989
2.027175	2.020946	1.120056	0.902353	0.244589
-0.06951	2.025152	1.326274	0.985293	-0.41514
1.952058	2.111248	2.2881	1.621721	2.126374
1.539495	NA	0.215039	0.629369	0.47206
-0.24712	2.979397	1.198392	-1.20643	1.546186
2.040583	NA	1.963567	1.507845	1.310642
0.819341	0.679838	1.884688	1.154325	2.302887
1.951123	0.174905	-0.60211	0.40409	1.496117
2.067782	1.427738	0.855675	1.473268	2.008514
0.616505	0.780747	0.380871	1.203629	0.042884
1.845734	0.853517	NA	0.692312	-0.27883
1.701517	1.668384	1.248964	0.979393	0.828199
1.88109	2.507677	1.198092	0.353808	0.977851
-0.23564	NA	2.250249	0.552772	2.457321
1.379964	1.275415	1.717438	1.523264	1.766686
2.030299	1.484462	-0.13508	0.702807	-0.21513
1.81788	1.554877	1.05354	1.162457	0.91771
1.868342	2.198923	1.944142	1.649244	2.269629
0.25506	NA	0.970336	0.255937	1.937549
1.895213	1.505277	1.165544	1.254663	1.352517
0.468373	1.319689	1.044777	0.353694	2.795099
2.606267	2.493598	NA	1.311897	0.074852
-1.12435	NA	0.433963	0.434483	0.02094
0.413452	1.900966	2.326611	1.888379	2.31163
1.946795	1.658771	0.943493	0.617503	0.105337
2.118097	1.545518	1.626389	1.546046	2.097481
1.275141	1.094804	0.590308	0.861032	0.391925
0.699801	1.027493	1.296954	0.591063	1.5299
2.194462	1.217154	1.937003	1.414258	0.707326
1.934971	1.118343	1.721086	0.625725	0.811264
0.687998	0.835394	2.876606	1.344313	2.727658
2.541156	1.25912	1.149993	1.632395	0.642699
0.613463	-1.46411	-0.28432	0.047414	-0.50045
2.389372	1.758216	0.740341	1.114469	1.803811
1.671661	2.428137	2.021066	1.170348	1.937466
2.020112	1.952868	1.04647	0.340425	0.305034
2.04535	1.91683	1.940754	0.455716	2.540715
1.244607	2.514967	1.264193	0.967191	0.877654
0.198154	1.190047	1.172157	1.175114	1.086196
1.808199	2.800187	2.508907	0.47757	2.616417
1.226559	1.068515	0.257056	1.528722	0.853027
1.327605	2.013467	1.100715	1.25587	1.062927
1.886346	1.244532	1.610477	0.723588	0.695387
1.111758	1.282457	0.640653	0.725686	0.342451
1.155894	0.960337	1.202578	1.366997	1.603251
0.568742	1.884261	1.492007	1.310514	2.310629
1.702201	2.014491	1.744404	2.035066	1.795853
0.358233	1.16297	NA	1.268417	2.196333
1.514609	1.763971	0.589682	0.615378	0.205437
2.670365	1.901986	1.551978	1.490483	1.33762
1.671645	1.392847	1.545129	1.537944	2.272569
2.725972	1.342849	0.805584	0.67676	-0.44446
0.547696	1.468356	1.586024	1.980772	2.051267
2.153113	1.091061	0.871765	0.903382	0.247053

1.288381	0.737578	0.732931	0.903025	0.332196
1.486148	2.070504	0.908728	1.639616	1.086825
1.91972	1.949491	1.236577	1.684122	1.780592
1.830387	2.886124	1.657852	NA	0.375389
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1.682955	1.136398	0.498173	-0.64181	-0.19181
2.541372	1.699249	0.948037	1.079686	1.157517
2.200771	2.061478	2.004476	1.502612	2.635424
0.796427	1.535262	1.713593	1.427092	1.424952
2.32281	1.024827	1.260085	1.252696	1.568253
0.397634	1.664698	1.926203	0.990458	0.826378
2.507201	1.410354	0.825701	0.517435	-0.04487
2.09424	0.55667	0.876868	0.964165	1.084768
2.153217	2.125124	1.256953	0.807555	0.457712
1.730553	1.733095	0.875795	0.553663	0.731565
1.297553	1.517505	NA	2.236981	2.128562
1.821613	1.260593	1.425495	1.784644	1.709598
-1.4312	-0.33183	0.953745	1.828435	0.995484
1.001698	1.533171	1.16832	1.221087	1.246378
2.174343	1.557035	1.672972	1.205631	0.882171
1.730427	1.070274	0.505525	0.27656	0.795519
2.744545	1.046676	0.546544	0.918922	0.684056
1.599845	1.630846	1.961646	0.659309	1.77934
1.261629	2.035783	0.955819	1.592395	2.139728
0.44386	0.985993	1.903537	1.371362	1.489922
1.772528	1.95151	1.03953	1.006014	1.739874
1.199043	1.655179	0.353422	0.568455	NA
0.233092	0.718876	0.978062	1.876067	2.41582
1.235228	1.388124	2.501035	1.7084	2.25861
0.804905	0.017853	-0.04832	0.472253	-0.33234
1.366945	2.032261	1.31391	0.972351	1.726456
1.221481	2.470054	2.016846	1.286103	2.993927
0.966206	1.588562	1.115821	0.36898	-0.68029
1.458348	1.359109	1.172013	1.17441	1.23397
1.313411	2.296636	1.748397	1.637353	1.822796
0.55256	1.194041	1.757166	1.359513	1.503428
1.838869	1.927345	2.063364	1.625809	2.303318
2.52387	1.939051	1.517405	1.516505	2.410985
1.369454	2.082417	1.524502	0.957581	2.256674
2.583954	1.426303	3.491673	3.07606	2.243911
0.8373	1.694181	1.60862	0.232746	1.044044
1.895816	2.020781	1.500311	1.242177	0.602319
0.509978	0.825547	NA	0.842141	0.143445
2.027869	1.258429	0.724601	1.156425	0.07221
1.07828	1.542602	2.129391	1.39011	1.787095
1.505917	2.077544	1.594584	0.526506	0.359159
1.553156	1.566796	1.157864	1.523157	1.829412
-0.16267	0.315058	2.45872	2.608779	4.134636
1.938437	NA	1.469164	0.089773	0.513629
1.497512	0.476151	1.175584	0.543022	1.852182
1.228604	1.023673	0.305713	1.337779	0.883114
1.341276	1.722157	1.234851	0.968057	0.122806
1.680637	0.837431	0.967622	0.672169	0.371271
0.56831	0.57712	0.814284	0.916357	0.777711
1.935024	1.482851	0.818652	1.507952	0.90308
1.710991	1.417312	1.098869	0.732408	0.810614
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0.365755	1.320753	0.412087	1.041474	0.934471
1.984483	1.470377	1.547485	1.3322	0.894145
1.945237	0.671637	1.106568	2.052108	3.148842
0.514582	1.948951	1.487117	0.608741	0.529643
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1.042854	2.464157	1.102871	0.797648	0.154089
1.804573	2.399552	1.505497	0.78738	1.317323
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1.160695	1.041924	1.216498	0.86734	-0.76376
0.587148	1.453933	0.870371	1.132476	0.688119
1.330553	0.366509	1.167292	0.31542	1.487726
0.867776	0.630095	0.850599	1.419175	1.755597
1.42014	1.323658	1.129344	0.699144	0.857121
0.701146	1.218793	1.841079	1.717178	0.289635
1.631731	1.072337	2.035072	0.787037	0.513445
0.749298	2.023655	2.154683	1.874162	2.458699
0.211679	0.939887	1.04833	1.572017	1.200769
1.491338	1.413054	1.947457	1.46007	1.541637
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0.092752	1.912826	1.210509	1.69269	0.989935
1.940032	-0.14736	1.473605	1.492182	2.610689
0.813629	1.09374	0.280138	0.379778	0.158924
2.066537	1.464378	1.359838	1.556637	2.035607
2.309109	0.148397	0.34107	1.421517	2.049296
0.319231	0.607796	1.062924	1.08412	2.09712
1.451846	1.174038	1.029794	1.638266	2.943578
2.174619	2.125011	2.078646	2.048822	1.666039
2.801138	2.125856	0.947841	0.265865	-0.48617
3.115131	2.381634	1.281023	0.765043	0.161578
2.160224	1.619213	1.26675	0.625137	1.465943
1.595201	1.593064	1.353426	0.86828	0.656997
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1.239721	1.251298	1.794479	1.370914	1.568731
2.168279	1.655944	1.174498	1.240245	0.690639
1.735479	1.065266	0.693013	-0.05082	0.798925
2.001817	2.015772	1.52116	1.467206	2.400461
2.134695	0.162335	1.467808	0.740055	0.867086
1.947244	1.739312	1.162478	1.481731	1.763171
2.340525	1.721726	1.334159	1.393225	0.770755
1.023825	1.853551	1.843706	1.867013	2.071341
2.157576	1.421797	1.432224	1.15871	0.816449
1.848953	0.603164	1.752917	1.456128	1.954824
1.469738	2.103865	1.82479	0.627422	0.439379
0.462564	0.957306	1.32475	0.614996	0.367202
0.145747	2.25225	1.970572	0.972515	2.769818
1.316974	1.108537	1.609499	1.554148	1.707766
1.314811	1.537405	NA	0.937634	0.140783
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0.957732	-0.6396	0.500201	1.939292	1.542792
1.269916	1.476499	0.574527	0.751157	-0.97913
1.158871	1.126482	-0.14792	1.078625	1.907605
1.509523	1.396871	1.523412	0.66133	2.583261
1.799329	1.459409	0.079453	1.069298	NA
2.762337	1.568297	0.817731	0.961266	0.33862
1.569305	0.304911	-0.22451	1.87993	-0.17492
1.078681	1.288864	2.043951	1.052818	2.669019
1.220898	1.524148	NA	0.892916	1.846332
1.53041	1.374422	1.971284	1.126646	1.564658

1.321135	0.826466	0.061123	0.743604	-0.13765
1.619718	2.140033	1.471242	1.612091	2.535235
0.933251	2.040645	1.485373	1.237838	1.969291
1.805782	1.732314	1.281631	1.09228	1.567159
1.543349	1.514083	-0.18127	0.720476	1.49253
1.235994	1.47329	1.113952	0.969811	0.53546
-0.17553	0.528685	-0.22378	-0.12709	-0.88088
0.177961	1.153268	1.912756	2.197249	2.324935
2.048666	1.701289	1.587031	0.950969	0.989894
2.556067	1.634194	1.972324	1.177185	1.132333
0.901851	1.040594	0.053956	1.738776	2.729107
0.782073	0.743293	1.853894	1.280797	1.200468
1.163999	-0.61083	-0.1758	1.077525	0.236669
2.254209	1.798771	2.273739	1.407037	1.462517
1.785021	1.668353	1.11615	0.855989	1.650364
1.902591	1.488179	0.596215	1.152701	1.783992
1.582405	0.68886	1.503355	1.072738	1.068821
1.809559	1.575345	1.461392	1.181287	0.703318
0.82107	0.160215	1.302784	1.780473	2.493186
0.628619	1.535319	1.703514	1.152743	3.49301
1.550591	1.148645	1.607594	1.053053	1.517224
1.075006	1.001053	0.647757	0.488954	-0.16918
1.061591	1.352377	0.794976	0.766598	0.285497
2.347005	1.667651	0.170717	0.023375	0.361775
1.55188	1.406413	1.06088	1.033453	1.276751
1.016147	1.19016	1.257418	1.703779	1.904679
1.904273	1.959413	2.264333	1.142947	2.19583
2.388415	2.53655	1.21762	0.744975	0.563473
1.395791	0.52142	0.867693	0.750795	-0.26274
2.020078	-1.40606	1.594353	1.158443	3.520822
1.242813	NA	1.850027	0.962615	2.300447
1.459781	0.584356	0.846753	1.584852	1.578599
2.357786	1.83205	0.772015	0.770902	0.239105
1.720058	1.713773	0.907581	1.045259	1.079643
0.198622	1.078846	0.4421	0.933171	0.002528
1.60305	2.174868	1.447667	1.322749	1.005744
1.583525	0.750891	1.500141	1.299426	2.275498
1.490156	0.930812	1.688767	1.866032	1.10264
2.084012	1.779846	0.711043	0.186789	0.395356
0.536348	NA	-0.10491	0.713818	1.104447
1.159725	1.039722	0.7003	0.955451	1.863847
1.29387	0.875914	1.353747	1.542214	2.383501
2.308032	1.578936	1.119094	1.414207	1.328287
1.334658	-0.05645	2.001545	0.879311	1.56038
2.183158	1.491497	1.0061	-0.05044	-0.21779
0.509904	1.547996	1.642646	1.531762	2.927673
2.358793	1.850993	0.990462	0.34275	-0.9747
2.08285	1.313718	0.821749	0.880978	0.302193
1.499269	2.228428	2.076397	2.140489	1.776793
-0.09788	2.313271	1.756565	1.360276	1.595107
1.706534	1.928917	1.264626	1.536604	1.985366
1.557533	2.429256	2.343846	2.201788	1.388642
1.466639	1.008987	0.546723	0.512176	-0.14808
1.172981	2.149603	0.804487	1.033877	1.691518
1.286502	1.800021	1.469661	1.37168	1.788825
1.682573	1.011286	0.568942	0.459186	-0.1009
1.587637	1.488021	0.009852	0.848296	1.417052
1.648242	1.260073	0.99501	1.464575	1.63519

-0.13707	0.981531	-0.01023	0.783298	-0.72567
0.92885	0.769992	1.142129	1.238197	1.240253
1.571295	1.898592	1.398441	0.711768	0.521956
0.481569	1.30352	NA	1.317577	1.147162
1.542386	1.040618	1.577376	1.329988	2.227222
0.50098	1.950654	0.86545	1.204401	1.730087
2.556226	1.790225	1.144374	1.053818	1.285848
0.537608	1.873043	1.829626	0.524023	1.540537
1.244963	1.275059	1.443732	0.96902	NA
1.03964	1.729354	NA	0.4439	0.284188
1.410649	0.868184	1.086486	1.766565	1.903814
1.239887	0.909053	1.54468	1.411073	2.845948
0.465826	1.280337	0.963548	-0.10471	0.03579
0.73278	1.316601	0.847156	1.022516	1.5777
2.090767	1.246466	0.907733	0.768908	0.75271
1.739341	1.788135	1.437547	1.672169	0.75135
0.9789	1.124377	1.489928	1.059241	1.29183
1.508189	1.902769	1.192141	0.872234	1.540033
0.671547	1.897013	1.278272	1.01939	1.316179
1.168092	1.299945	2.44397	1.204862	1.980531
1.095717	0.585875	1.416725	0.730071	0.67405
1.398244	1.545511	0.688266	1.0485	-0.41667
1.845933	1.128337	1.033716	0.924451	-0.02741
1.721636	1.366741	1.068425	0.178763	2.386346
0.891347	1.352404	1.404952	1.205487	1.058002
0.833662	1.039358	1.186997	0.825729	0.416669
0.878975	1.627314	0.864352	0.698156	1.344104
1.144842	1.479464	1.839677	1.703995	-0.56374
1.211021	-0.31126	NA	0.611836	1.744078
1.844739	2.487365	1.101227	1.336414	2.300611
1.449865	0.80053	1.810751	1.797923	2.254825
1.037272	NA	0.842844	1.279103	1.445939
2.155716	1.901221	0.847549	0.700967	0.169919
1.649962	1.417278	1.097562	1.658055	2.121739
2.012295	2.196179	1.631236	1.495878	1.876283
2.296385	1.167986	0.794264	0.57112	0.379449
1.671807	1.174438	NA	0.40627	0.052956
2.192905	1.353729	2.048291	0.692531	1.769402
1.206017	1.844147	1.011249	1.187835	1.654918
1.443334	1.510261	1.378487	1.450052	1.998962
1.371717	-0.0167	1.991714	0.919845	1.508838
0.795588	2.475527	1.09637	0.823105	NA
0.62499	0.894344	1.343244	0.486074	-0.25644
1.419097	0.933717	NA	1.475578	1.103252
0.631639	1.499887	1.68783	0.598024	1.734372
2.424148	1.915131	1.266978	0.924121	-0.14619
1.700645	2.335404	0.779178	1.237103	NA
1.527868	1.376325	0.83746	0.645959	-1.18422
1.803921	2.009323	0.974926	0.62393	1.406259
1.27169	1.150244	1.130985	1.183622	1.644556
1.971754	1.225702	1.053098	0.740293	0.347719
1.769496	1.89473	1.008299	0.293634	1.225511
1.610654	1.388549	1.172259	0.149962	0.030407
1.666798	1.689819	1.088423	1.084507	0.708176
1.712001	1.149353	0.462608	1.043428	0.972721
1.013273	1.336829	1.573199	1.729028	2.299439
0.909192	2.764357	0.996153	1.531296	1.898101
0.726249	1.786137	1.58324	0.927197	0.757672

1.853009	1.517995	1.384652	1.774152	1.981368
1.146409	1.026585	1.52203	1.365112	1.317971
1.398774	1.403706	1.607112	1.395871	2.058133
1.641643	0.989559	1.645952	1.471632	1.617113
1.793319	1.213997	1.567625	1.688351	2.129623
0.070737	1.759819	1.3482	0.849895	0.822907
2.217841	0.715467	1.449143	2.185682	1.525353
1.607521	-0.33389	0.710605	0.931613	-0.75641
1.059267	1.771104	1.139019	0.65424	-0.30418
2.182077	1.121845	1.591536	1.797146	1.356049
0.231118	0.720402	1.089326	0.940911	1.541853
-1.5718	-0.76963	0.239125	1.277169	1.466705
2.025791	1.992737	1.27466	1.283011	1.896456
1.186931	1.199693	1.526984	1.214642	1.565058
0.281887	0.65024	1.222709	1.140255	2.264527
1.612877	1.304596	1.524839	1.349413	1.125732
1.492326	1.288675	0.639958	0.668408	-0.44975
0.365082	1.183885	1.311174	1.271259	NA
1.45805	NA	1.814994	1.496822	2.123088
1.613522	1.15353	1.033089	0.765275	0.32958
0.416524	0.436835	0.68654	1.106778	1.440954
1.510505	1.702118	1.152041	0.724394	0.087794
1.771856	1.584843	-1.11004	0.973484	1.696367
0.846339	1.114319	1.628955	0.988153	2.121247
1.01024	0.972836	1.47629	1.440953	1.797122
1.903928	1.213632	1.301451	0.374045	1.816928
1.718249	1.554252	1.648432	1.776088	1.245429
1.933194	1.251757	1.642195	1.263018	1.388441
2.122983	1.905174	0.88111	0.098453	0.679142
1.342223	0.865442	0.665862	1.428198	0.944285
-0.521	1.487986	1.364494	1.496552	2.421179
1.464656	1.218923	0.737933	0.665356	0.935171
1.943418	1.896155	1.992904	NA	1.141544
2.070217	1.939988	0.889205	0.777039	0.447884
0.609029	1.317747	0.965883	1.114958	NA
1.709806	1.66503	0.886423	1.084885	1.42504
1.403018	1.255989	1.580228	1.72283	1.242269
0.576456	1.960562	1.272974	0.211323	NA
2.107622	2.696175	2.132692	0.922445	1.421643
0.910621	2.316436	1.349677	1.388835	1.477005
1.296911	2.115193	0.526681	0.510506	0.66353
2.095499	2.176515	NA	1.64292	2.299253
1.304809	0.422726	0.510497	-0.12934	0.974816
1.586754	1.631819	0.805436	0.142543	-0.16803
1.121426	0.531202	0.869481	1.601664	NA
0.212186	1.574658	1.114046	-0.15316	1.21833
2.35361	1.901413	1.854764	1.345873	1.325422
1.797818	1.420365	1.519934	1.242529	0.07124
1.840869	1.930916	1.785551	0.531291	1.516001
1.280365	1.426116	1.041727	0.377493	-0.18876
0.69382	1.129779	NA	1.529371	1.701111
2.423476	1.705513	0.690726	0.679636	0.383338
1.365302	1.651373	0.671836	0.404891	-0.53336
1.42573	1.78277	1.499512	1.377818	1.467322
1.677581	0.715208	NA	0.773927	-0.17938
1.73756	1.637558	1.31745	1.420793	0.819028
0.218549	2.098133	NA	0.546164	0.74619
2.490282	1.83081	1.866439	1.858767	1.542702

0.775969	-0.34652	1.903789	1.206291	1.314008
2.058574	1.743744	0.29106	1.26949	0.76315
0.673404	1.382278	1.450067	1.985622	1.957606
1.671925	2.004834	1.116811	0.747037	1.674192
1.586824	1.92889	1.15049	1.367317	1.250956
1.322897	2.068031	2.176391	1.296848	1.86592
1.915073	1.302369	1.75121	1.405547	1.378812
1.531737	1.782144	1.683609	-0.78914	1.447931
0.518689	1.678635	0.697427	0.014425	0.65739
1.249031	2.152041	1.632776	0.824953	1.612636
0.454991	0.02554	0.58592	1.333849	1.241276
2.842581	2.080228	1.182821	0.018822	1.209507
1.883686	1.42132	-0.14161	1.794982	0.67702
-0.28689	0.580323	0.498986	1.428413	1.490437
1.256015	1.995817	1.5563	1.498971	0.725816
1.943596	NA	0.708602	0.316624	-0.79805
1.406654	1.477486	0.540241	-0.07593	-0.77634
1.446939	1.860471	1.149153	1.5002	1.429779
1.092417	1.137679	1.276835	1.348804	0.777909
0.702303	1.321756	1.032157	0.989636	1.724075
0.661508	2.029005	0.985903	1.071787	2.313076
-1.02817	-0.49445	0.164052	0.17572	-0.0356
1.932832	1.485307	0.300918	0.503571	0.3874
0.571982	0.868119	0.947318	1.147917	1.679368
1.890457	1.197197	0.322283	0.379806	-0.2986
1.366194	2.214136	1.061565	1.710786	2.356036
1.292091	1.271903	1.287095	1.393003	1.869036
0.936856	1.603498	0.348572	1.382643	0.918112
0.907243	0.848002	0.444672	1.056631	1.963713
1.100851	0.927538	1.207841	1.317553	1.449585
1.028135	0.812493	0.730516	0.525167	0.885585
1.586513	1.405448	0.632989	0.294985	-0.56161
0.890092	0.663627	1.019074	0.950557	0.839816
0.547454	1.164606	1.453391	1.54533	NA
1.169976	1.334186	1.226378	1.386379	0.603549
1.626721	1.755477	1.403837	1.181227	-0.21728
1.136263	0.896562	0.965047	1.265393	0.995331
0.958992	1.255116	1.026517	0.900094	0.232225
0.979834	1.590343	1.434731	1.236777	1.699649
2.006753	1.433983	0.538394	1.14924	0.156272
1.692958	1.093159	1.747406	1.960251	1.55494
0.76499	1.135073	0.775163	-0.55761	-0.37874
1.563332	1.547937	1.005871	0.513494	1.405991
0.9811	1.662205	1.819666	0.623445	1.209903
1.721405	1.203473	1.403799	0.803882	0.926124
1.430316	1.177401	1.035427	0.731646	-0.60232
2.266759	1.070091	0.735361	0.667361	1.0353
2.477538	2.176556	0.505314	0.557243	1.106679
1.150521	1.52529	0.953377	0.850032	0.476752
1.869862	1.495392	1.017229	0.520473	-0.22758
-0.77214	1.434479	0.937573	0.872361	1.612788
0.825182	1.41656	1.234624	1.116933	0.581067
2.240669	1.06963	1.364111	1.10737	0.822974
0.567689	-0.10837	0.821808	0.999622	-0.16832
1.640726	1.660987	1.081458	1.042734	0.5105
1.460089	NA	1.337661	1.254154	1.06117
2.382854	2.219166	1.321883	0.317403	1.770917
0.637787	1.633968	0.824635	0.997477	1.766793

1.708526	NA	1.440584	0.733656	1.651994
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0.170541	0.767317	0.92003	1.0702	2.048133
0.585366	1.856163	1.591931	1.45141	2.600582
0.966958	1.954431	0.316361	0.49438	1.185593
1.318274	2.18656	NA	1.271876	1.457813
1.374178	NA	0.845386	0.68223	-0.12622
2.200798	1.501424	1.243161	0.394698	0.115108
2.292307	NA	1.16504	0.385004	-0.00332
0.491231	2.219624	0.547114	0.772596	1.086821
1.277988	1.315224	1.921419	1.169183	2.082632
2.38141	1.715219	0.82285	1.248677	1.055993
NA	1.48307	1.277384	1.189665	1.272475
1.531663	1.394137	1.198984	0.505156	-0.43302
0.737136	0.376537	1.319301	0.272897	0.229433
1.105303	1.801768	1.723109	1.555708	0.928106
1.711745	1.668758	1.074088	0.184971	1.248843
1.873431	1.032193	1.707755	1.704635	1.848327
1.43049	0.945472	1.374368	1.431321	1.934026
0.257752	0.982852	1.421203	1.30317	1.260266
0.48444	1.025855	1.058059	1.152204	1.416208
0.535046	1.30849	1.213409	1.591977	2.10047
1.223681	0.790011	0.869007	0.862835	0.836185
1.423614	1.112212	NA	0.239042	1.417044
2.492656	1.547957	0.975777	1.066937	-0.22851
0.563971	1.255488	1.252729	1.220017	2.500107
2.269289	1.607008	0.798596	0.68638	0.937404
1.366675	1.677112	1.038542	0.672117	-0.26843
0.068174	1.882553	0.403677	0.921427	0.685347
1.81822	0.650846	1.237171	1.417599	1.546843
0.598627	0.746604	NA	-0.63878	0.147884
0.671806	0.852394	0.464624	0.585341	1.714014
1.384291	1.342172	1.004828	1.280557	1.463802
-0.07928	1.859817	0.501932	1.387411	0.695076
0.7458	1.454251	1.46422	1.077264	2.253213
2.169061	1.234177	NA	1.436014	2.049938
1.072774	1.980599	1.256739	0.753633	1.774437
1.171456	0.648011	NA	0.801199	1.53371
0.206314	0.829575	0.603418	1.740008	2.435072
2.028715	1.784517	0.646309	0.687867	1.242869
2.246791	0.543231	0.686993	0.055206	0.258815
1.62465	1.609998	0.432812	0.561985	-0.80538
1.294487	1.224724	0.165745	0.466138	0.322453
0.98696	NA	1.648239	0.714017	-0.37422
0.359808	0.730222	1.399392	1.584625	1.417569
0.598947	0.853193	1.104824	0.812965	1.676539
0.900402	1.068179	0.977259	0.683585	-0.81019
2.129987	1.677307	2.160186	1.642407	1.523049
1.23324	0.812051	1.189107	1.186448	0.818647
1.452109	1.422441	2.279902	1.714019	1.763299
0.695837	1.137536	1.647362	1.520352	1.673361
0.840215	0.243623	1.340936	0.854544	1.238837
1.256046	0.919374	0.92642	0.423101	-0.23069
1.735079	NA	0.497041	0.864773	0.565029
1.353852	1.628788	0.600623	0.772317	0.011378
0.995003	1.302366	0.671213	0.724463	0.096751
0.602536	1.255491	1.295713	2.011116	1.519815
1.646096	1.193743	0.85828	0.986189	-0.43734

1.771373	1.633396	0.969719	0.709581	-0.2488
0.867209	1.436661	1.6393	0.750827	1.468017
2.126347	1.808412	0.611197	0.985766	1.41526
0.87104	1.135631	0.206394	0.5755	-0.58407
1.906825	2.04393	1.030257	0.366353	-0.42054
1.14671	1.183579	1.144349	0.49967	2.176293
1.017819	1.724715	1.29483	0.569632	0.413524
1.349387	1.014986	1.251257	1.413064	0.851251
1.761782	1.151285	1.052775	1.315378	1.034827
1.876256	1.115782	0.779407	0.738274	-0.21133
0.300663	0.377413	1.017606	0.824575	2.472663
1.407693	1.553407	0.782368	0.667921	1.008961
1.630071	1.687021	1.390999	0.824415	0.684166
1.851028	1.549165	1.929071	0.79811	-0.49767
1.816344	0.722683	1.106709	NA	-0.04853
1.460379	1.835433	1.93307	1.313587	1.053227
0.772839	1.388759	1.083937	0.992319	NA
1.350396	0.664369	1.232144	0.960961	1.151031
0.59704	1.316172	1.150067	1.675932	1.710993
0.17704	NA	0.884461	0.928096	1.267974
1.826588	1.322901	1.530896	1.18472	0.671991
1.599863	2.065528	0.240392	0.662992	0.163024
1.676577	1.434857	0.33808	0.370293	-0.0867
1.705197	1.838324	1.197662	1.1234	2.715073
0.626147	1.057844	1.327335	1.229611	2.072268
1.021699	1.683091	0.998582	0.842291	-0.50849
-0.23241	0.251939	0.727086	2.004861	2.637786
0.871715	NA	0.718971	0.791133	0.043303
2.114627	2.192276	1.678949	0.683748	0.005278
0.562778	1.180941	0.65619	1.741442	1.967581
1.118917	1.382536	1.036464	1.013375	1.37669
1.832398	1.508287	0.790671	0.469425	NA
2.216664	1.936408	0.819526	0.841653	-0.42511
1.572441	1.057045	1.38989	1.646869	1.797419
0.911119	0.926352	0.720055	0.603577	0.377997
0.454077	0.542782	-0.17761	1.001427	2.111801
0.868927	-0.13849	1.271122	0.833369	1.266099
1.54144	1.019603	1.273001	1.331778	1.591835
0.968613	1.221601	0.22426	0.784483	0.454267
1.210885	0.250658	-0.05892	0.531384	0.078923
1.433787	1.508882	1.39537	1.031844	1.323142
0.007327	1.131603	2.259266	1.365038	1.368233
1.546025	1.192361	0.975314	1.373417	0.93876
1.229572	0.56039	1.097633	1.593017	2.51707
1.466855	1.310222	1.102313	1.130435	0.686928
1.809596	1.932083	1.985206	1.369385	1.215542
1.355665	1.83387	1.290722	1.886646	1.637599
0.525577	0.434789	0.630588	1.285537	-0.47356
1.969288	1.166897	0.770639	0.92961	-0.07302
1.096589	1.390832	0.982525	1.184681	0.970363
2.507687	1.338732	NA	0.495309	0.030616
2.260887	1.147771	1.131872	1.342741	1.450222
0.923373	1.498751	NA	0.858183	1.026229
1.835178	1.30273	0.886085	1.015663	0.938063
1.019054	1.507409	0.987196	1.135241	0.22431
1.295401	1.020916	1.345766	1.133999	0.704455
0.541392	1.842955	0.317283	-0.55511	NA
1.399285	1.387029	1.003513	0.054126	-0.53588

0.826356	0.738523	1.296879	0.656217	0.465764
0.126404	1.382996	-0.25892	0.788559	0.002272
1.225774	1.180584	1.050079	0.295164	0.835291
1.533454	0.065174	1.706288	1.054654	0.596201
0.389115	2.17265	1.111529	0.691192	2.150706
0.932619	NA	0.521696	0.835036	0.007085
1.717935	1.066649	1.814432	0.725721	2.167733
2.152941	1.549891	1.104148	0.767876	1.008905
1.821578	1.787377	1.428835	0.999693	1.235884
2.368501	1.516697	0.763677	0.800914	0.226184
1.608986	1.282408	0.926376	-0.23346	-0.50328
1.480549	0.786659	1.195444	0.577463	-0.01188
1.824703	1.659056	1.099358	0.899398	1.354874
1.374385	0.918899	1.248124	1.503121	1.710658
0.946228	1.31994	0.952683	0.937353	0.318564
-0.52195	1.984256	1.873831	2.267956	0.699051
1.127708	0.877726	1.039688	1.188268	1.581745
0.949176	1.823497	1.359277	1.208178	0.852754
1.605306	1.385828	1.223696	1.327242	1.010481
0.533749	1.087334	0.869266	1.473376	1.817785
0.56055	1.397306	0.370881	0.148773	-0.70133
-0.95523	-0.03168	0.774982	1.043882	0.903456
1.713284	1.1322	0.408392	0.683944	0.451692
0.959637	1.297009	0.487844	0.685622	0.528473
0.120359	1.656901	1.352927	1.12869	1.731148
1.528011	1.294623	1.26052	1.404255	1.098506
-0.35061	1.98825	0.071793	1.098114	0.018211
0.745235	0.086081	0.153004	0.934663	0.713605
0.635613	0.67578	0.955137	0.836274	1.354797
0.170204	1.625065	NA	0.935094	2.005516
0.921587	1.71317	0.976263	1.662221	2.111429
1.196827	1.159805	1.444878	1.34031	1.22249
1.637707	1.186826	1.276037	1.269074	0.949254
1.799048	1.378478	0.294401	0.75343	-0.69148
0.827371	NA	1.773357	0.428669	0.758032
1.451631	2.254112	NA	1.475924	1.663209
1.146209	1.917806	1.492278	0.459248	1.36032
1.297662	0.948896	0.974628	0.653632	-0.24962
0.73052	1.726852	-0.10786	1.024154	-0.52205
1.632862	1.237761	0.419177	1.3742	0.081367
1.453819	1.167345	1.241639	1.135527	1.311794
1.716441	1.541752	NA	0.865311	0.925899
0.182464	-0.10525	-0.59798	0.832718	1.671952
0.713853	1.09756	0.949423	0.452496	0.909246
1.493453	0.879947	1.369832	1.239959	1.678005
0.419318	0.703382	0.99748	1.32624	1.306754
0.215243	0.572683	-0.19046	0.039067	-0.27804
0.642111	0.510076	0.893619	1.303207	0.6704
1.988126	1.525321	0.85442	0.384801	-0.24883
1.625862	0.270482	1.379709	1.391247	1.536708
0.130737	1.452487	1.101936	1.584722	1.760835
1.039265	0.898271	0.89247	0.257669	-0.19576
1.366801	1.227206	0.956305	0.895038	0.557144
1.179496	1.236611	0.977768	0.950348	0.587946
0.670857	0.658158	1.103998	1.206673	1.623238
-0.38664	1.934553	1.568405	1.090385	1.438655
0.433018	0.849116	0.48105	0.469907	0.190759
1.336401	1.290975	0.607998	0.748511	0.957667

2.340914	1.510465	1.503407	1.585532	2.090328
0.972425	1.355437	0.759719	0.733306	-1.26654
2.008069	NA	1.618152	0.872124	1.783051
1.073101	1.098186	1.142832	0.874318	0.408406
1.642748	1.454685	0.374571	1.566272	0.654617
0.833103	1.852795	1.134361	1.145536	0.7192
1.278277	1.721195	0.726286	0.390527	-0.66941
2.194522	1.307581	0.456623	0.866687	1.253188
0.715485	1.528804	1.439862	1.452289	1.817151
0.793085	1.002151	0.602011	0.843009	-0.01918
0.743768	1.384496	1.222703	1.600501	2.27499
1.277799	0.889658	1.382933	1.115406	1.7217
1.256206	1.339503	0.990952	1.18219	0.627407
-0.02958	0.671254	0.711146	0.608623	0.726347
1.067443	0.584497	1.134659	0.892601	0.513864
0.213248	0.079622	1.039631	1.150986	1.833425
0.92162	1.005562	1.179428	1.028484	1.792509
2.502617	1.55274	0.487207	0.940117	0.963479
1.248841	0.787772	0.327015	0.538379	-0.28681
1.347241	1.190938	1.026062	0.678758	0.324314
1.831716	1.374849	1.28422	0.499009	1.40151
0.682017	0.45506	0.680825	1.351735	2.082288
1.34973	1.079994	0.515353	0.212896	0.096749
0.982289	2.338884	NA	-0.74844	-0.3241
0.702473	1.501095	0.80267	-0.00303	0.012129
1.074083	1.001705	0.919085	0.903781	0.925379
0.912325	0.774807	0.683462	1.40272	1.807246
1.198005	0.604213	1.13323	0.84073	1.649053
1.41967	0.797448	0.192516	0.485904	0.008921
1.939701	1.212051	1.014073	1.321685	0.973169
0.798081	0.653005	1.119433	0.78465	1.824022
1.305544	1.225342	0.36763	0.528715	0.585148
1.280656	1.140207	1.492761	0.796948	-0.01933
0.731562	0.896355	1.484102	1.107712	0.752719
0.722739	0.459867	0.973838	1.127054	0.877138
0.977428	1.697936	0.347995	0.562086	0.605371
1.913122	2.180966	NA	0.911129	0.51586
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1.369819	1.425395	1.214702	1.493411	0.670758
1.721214	1.186059	0.971123	1.051416	1.198416
1.102999	1.114414	1.434592	0.832399	1.204944
2.196259	1.672049	0.961051	0.89328	1.472057
2.042118	1.006217	1.706859	0.322288	-0.0702
1.89426	-0.33036	0.301388	0.360808	-0.30313
1.434739	1.231172	0.924147	0.387239	0.698073
1.274787	1.035499	0.781322	0.850173	-0.10334
2.049174	0.95103	-0.02626	0.90299	0.192255
1.473072	1.286226	-0.2272	0.091105	-0.24992
1.102699	1.892716	0.986654	1.378011	0.633796
1.043041	1.566763	1.041748	1.648764	1.941842
1.941921	1.577104	1.13931	0.521157	0.168898
-0.78907	NA	1.528995	1.482324	0.401402
1.861382	1.791827	0.63261	0.517695	1.057455
1.204437	1.157056	1.162142	1.079573	1.15424
1.427187	0.72927	0.357649	0.609166	0.081797
1.024858	1.646948	0.915436	1.626496	1.162403
1.004701	1.426762	-0.02923	0.645829	-0.04451
0.329368	1.033514	0.453966	0.807952	1.904348

1.193211	0.18888	0.793471	0.627248	1.706774
2.091072	1.706699	0.654204	0.936103	1.177022
1.509329	1.542405	0.158838	-0.40704	0.423852
0.875081	0.956492	0.621131	1.03683	1.482814
0.668016	1.528379	0.455283	-0.19759	-1.21656
0.977073	-0.01996	NA	NA	1.398676
0.765749	1.4047	1.159228	1.060436	2.229101
0.637442	0.915406	0.22729	0.236036	0.797676
0.766887	1.105204	0.683693	0.890478	0.284697
1.739905	NA	-0.09143	-0.71974	-0.7048
0.764654	1.448959	NA	0.974138	0.948899
0.291167	1.288393	0.523759	0.587616	1.497772
0.207399	1.008466	0.578996	0.939898	0.981725
0.213924	1.092068	1.599982	0.455035	1.090748
0.729329	0.502097	1.381567	0.462238	NA
1.750107	0.91944	0.435854	0.404391	0.11665
1.222148	1.157235	1.199004	1.139984	0.424978
1.695546	1.669088	0.452113	1.069753	1.683385
1.24934	1.6165	NA	0.622467	-0.42627
1.421979	1.297766	1.73939	-0.03315	1.743493
1.09155	1.160553	0.893322	0.981983	-0.00497
1.094242	1.234937	1.239067	0.954557	NA
0.704783	1.077432	1.042217	1.031904	0.895589
2.248115	1.167747	1.332194	0.580189	0.522777
1.567631	1.880099	1.209456	0.848312	1.552299
1.330609	0.99365	0.443926	0.768463	0.531839
1.263817	1.49414	0.90843	0.584899	0.44838
0.369693	1.032054	-0.13781	0.501341	0.089154
1.416929	0.986854	0.637842	0.26669	0.713214
0.682008	1.619598	0.870973	0.890403	NA
1.006512	1.155288	0.408033	0.852573	0.801411
1.162695	1.393533	0.803524	1.013452	1.668863
1.686463	2.276832	1.397268	1.101694	0.52464
1.323394	1.521362	1.344829	0.625985	0.144898
0.818799	0.901957	NA	0.47524	-0.41986
1.60802	1.257681	0.981876	0.583972	0.288474
0.929131	1.298578	1.878897	1.381661	2.523006
-0.73463	NA	1.302742	1.657456	0.715171
1.18002	1.384624	NA	1.489388	1.777747
0.554577	1.55177	1.02255	0.400673	0.648983
1.243397	0.826329	0.36886	0.420021	-0.31369
0.104217	0.97956	1.134049	0.64337	0.233369
1.79727	1.465345	0.735064	0.992149	0.654501
1.017615	1.728163	NA	0.479459	0.78639
0.542424	0.784943	0.721953	1.368434	1.652206
1.359629	1.011868	NA	0.277765	-0.90696
2.020824	0.633407	0.834871	NA	1.236957
0.174855	0.384891	3.296871	0.415636	-0.35202
0.715681	1.339034	0.970095	0.86394	1.150036
1.158498	0.829789	1.480454	1.645133	1.53659
1.10055	0.319299	1.202047	1.2999	1.652179
1.449245	1.295834	1.220516	1.154648	1.146402
0.686955	0.85447	1.058091	1.198567	1.0687
2.25736	1.459196	1.513827	1.260681	0.034715
1.145014	2.225256	1.290913	1.319871	1.848418
1.012967	1.600659	1.336834	0.891284	0.931339
1.052685	0.64235	0.575417	1.162034	1.099544
0.940776	0.970589	0.442969	0.28283	1.22118

1.16733	0.275166	0.046065	0.877057	-0.15906
1.154327	1.041777	0.436274	0.672135	-0.04239
1.648801	1.501114	0.873432	0.795188	1.477537
1.167991	1.245989	0.754381	0.966184	0.729448
1.6298	1.153143	0.271886	0.306775	0.028704
1.216791	1.659441	0.786256	0.96578	0.578975
0.064293	NA	2.44891	1.655156	1.943192
1.804893	1.734726	0.966037	1.407955	1.263199
1.230478	1.17288	0.571078	0.400415	0.236246
1.456241	2.181764	1.972971	0.520972	1.040399
1.971682	1.98052	NA	1.260717	1.97812
0.222902	1.151217	NA	0.452174	0.686776
2.871927	1.734072	1.924028	1.183016	-0.43091
0.409492	0.352991	0.327429	0.590569	NA
0.748836	1.026812	0.764324	0.301369	-0.75704
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1.348635	1.379702	0.18496	-0.01572	0.980649
1.093325	2.181596	1.785478	0.674914	0.92028
1.232403	1.500389	0.973811	0.955234	0.582468
1.201103	1.718387	1.020393	1.294529	0.372017
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1.385193	1.459622	0.992407	0.881042	0.903319
0.731369	1.234913	1.586318	1.30002	1.271992
0.666057	1.167054	NA	0.387734	1.229896
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1.018966	0.077821	NA	1.291116	0.747135
1.850448	0.863299	0.896797	0.869434	1.698969
0.3559	0.724952	0.307467	0.322873	-0.73928
1.380815	1.276135	0.696732	1.120434	1.543629
0.26811	0.923549	0.705004	0.472816	1.068466
0.281058	1.280983	1.092349	1.181277	0.666822
0.361847	0.764632	1.006709	0.963075	1.285309
1.381705	1.137929	1.5446	1.30304	0.50171
1.893136	1.389471	1.289327	0.79981	0.683067
1.518415	1.666051	1.236941	0.878344	0.762137
1.360871	1.256743	0.273456	0.260022	0.637069
1.007816	1.41736	1.111346	0.9493	-0.14267
1.376977	0.957733	0.670399	0.938338	1.049331
0.161842	0.603152	0.823803	-0.04138	0.638819
0.483241	0.395908	0.651882	0.859705	0.708041
0.407982	0.518796	0.619882	1.09037	1.21032
0.931224	0.438739	0.223381	0.337018	-0.18272
1.106959	1.844645	1.122092	0.710479	1.797146
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1.198645	0.397212	1.547415	1.351334	1.353248
1.328605	1.083987	0.403154	1.022466	0.219804
1.913347	0.890913	0.844158	0.600886	-0.81663
1.995402	1.656425	0.837538	0.808618	0.092914
1.119297	1.355666	1.405629	0.527609	1.24312
1.787824	1.587978	0.606783	1.189959	1.076834
0.995008	1.451004	0.642227	0.788651	0.346461
1.015361	0.027573	NA	0.015378	1.094441
0.659062	1.718071	1.356476	0.552685	0.223549
2.340666	1.354307	NA	1.089978	0.204614
1.579859	1.574375	0.8237	1.096969	1.289228
1.064851	0.598031	0.847279	0.749905	0.966368
1.400315	0.763386	0.506128	0.669658	1.225178
0.14202	NA	0.361861	0.35222	-0.04688

1.055922	1.459221	0.326587	1.029424	1.3127
0.911451	0.753193	0.446168	0.676322	0.595705
1.307576	1.188843	0.949951	0.770377	0.263454
0.804669	0.950092	1.292209	0.946797	1.609439
1.249917	1.806358	1.154749	1.24952	1.075971
0.989438	0.976348	0.943733	0.911377	1.363276
1.582492	0.82791	0.610154	0.13512	0.278176
0.508165	1.161597	0.967326	0.850724	1.000358
1.102341	1.410279	1.294178	1.54585	0.773701
0.986461	1.813853	1.300446	1.072196	1.088191
0.896006	1.096791	1.136671	1.0642	1.39163
1.219534	0.995518	NA	1.201609	1.111367
1.242611	1.203461	0.873785	0.793655	NA
1.050882	1.079137	0.855104	0.659731	-0.60738
1.161772	NA	1.123511	0.732338	-0.42849
1.806442	1.456869	1.583376	1.311827	0.865723
1.477357	0.704312	0.563786	0.895071	-0.33598
2.019101	1.241964	1.054235	0.6189	NA
1.23554	1.577245	0.754363	0.70545	0.14947
-0.33862	0.799393	0.454033	1.180178	0.748491
1.416095	0.695127	1.245887	0.884235	0.891566
1.698047	1.876791	1.073012	0.976766	1.180273
0.664616	0.830268	0.876869	0.836996	0.880101
1.691219	0.985335	NA	0.164283	-0.54952
0.930611	0.789666	0.218693	0.567457	1.109356
1.909807	2.391881	NA	0.175322	0.557378
1.603922	0.771817	0.986243	1.168147	0.565507
0.891719	0.941973	1.262628	1.264906	1.302891
1.145731	0.700974	0.717885	0.612617	0.51592
0.585294	0.928738	0.79522	1.514653	1.403779
0.814712	1.225832	0.770412	1.12347	0.95057
0.983537	0.7468	0.194715	-0.13155	0.324385
1.219517	0.972526	1.140711	0.070202	-0.65005
1.39028	1.197887	1.124415	0.465714	0.6811
1.043534	1.45578	1.240518	1.292231	1.347688
1.566112	1.372099	1.566582	1.012125	-0.19651
1.211546	1.258104	0.692611	0.144857	-1.17451
1.20766	0.817537	NA	0.19048	0.156788
1.223536	1.563326	1.065035	0.955375	1.086305
1.322129	0.949072	0.411666	0.773795	0.442422
1.953761	1.158958	0.812184	1.008226	1.272559
0.777232	1.496998	1.551059	1.267621	1.67731
1.268837	1.073025	0.764469	0.643402	-0.41452
0.340212	1.519145	0.487746	0.432764	1.169828
0.670557	1.004212	0.607485	0.046384	-0.31331
-0.43427	0.830402	0.630998	0.425045	1.357361
1.515123	0.973098	0.844433	0.431599	0.909389
0.803581	1.189193	1.065412	0.652735	0.947117
0.953336	1.133551	1.399935	1.111233	1.713576
-0.01247	1.072189	0.677023	1.521688	NA
0.874383	0.509698	1.437538	1.406996	1.572028
1.317133	1.039918	0.743051	1.123907	0.103271
0.798696	1.354254	0.930663	1.035799	0.665312
-0.44401	-0.15728	0.774173	NA	0.817121
1.38223	1.287422	0.882948	1.039415	1.586556
0.67909	0.905251	0.929395	0.574708	1.43755
-0.31856	1.152464	0.347207	0.587943	1.409698
1.497787	0.942629	0.449439	0.356827	0.025899

0.184791	0.392157	0.174385	1.591582	1.228342
1.690993	1.035545	1.042596	0.693326	0.707706
0.917374	0.71924	0.248619	0.538052	-0.3384
1.891119	1.916922	0.870141	0.591956	0.492353
0.111892	0.742967	1.264834	1.425637	1.841297
1.282075	1.61172	1.505388	0.847985	0.13788
0.538604	0.731	0.616066	1.086634	-0.04173
0.970112	1.808793	0.503286	0.107372	NA
0.994714	1.029909	1.324688	1.212089	1.151392
1.399528	1.532784	1.034211	0.780092	0.829455
1.42785	0.943345	0.509107	0.681822	1.074686
0.794598	1.293914	0.934836	0.400083	0.531946
1.483082	0.716137	0.793174	1.089559	1.541036
0.712113	1.230425	0.881938	0.730393	1.818805
0.552663	0.928067	1.195244	0.987725	1.34017
0.711958	1.499092	1.393043	0.790236	0.817456
1.446053	1.435175	0.426617	0.731014	-0.24976
0.790933	NA	NA	-0.21019	-0.0995
1.461103	1.178539	0.537194	0.853648	0.737159
1.363821	NA	0.524576	0.700938	0.472351
0.585798	1.265056	1.440073	0.982225	1.425097
1.138918	-0.6788	0.100016	0.485914	1.894407
1.815018	1.423249	1.123697	0.611194	-0.02181
0.967871	0.802908	0.771289	NA	0.355286
1.462427	1.726714	1.624516	1.416041	1.27002
0.67002	0.410086	0.815991	0.982254	1.083489
0.591608	1.504221	0.992196	0.620824	-0.24954
1.275514	1.46282	1.084073	0.177494	-0.48174
0.883595	0.942556	0.747431	1.064107	0.440112
0.721514	1.00167	1.89042	1.232233	1.576824
0.67453	0.701703	NA	-0.03247	-0.66897
1.859835	1.577344	1.808987	0.6309	0.917882
1.176384	0.47144	1.449582	1.144101	1.382419
1.246042	0.600216	1.53905	0.857435	1.452332
1.48289	1.212005	0.651295	0.696489	0.234363
0.990603	1.007986	NA	0.047906	1.421414
1.33106	1.357336	0.81973	1.173931	1.229593
0.609883	0.98872	0.684149	0.829516	NA
0.523117	0.417038	0.643745	1.400896	0.408352
0.720282	0.325708	0.994585	1.094268	1.426049
1.191859	1.517998	1.381415	0.842803	0.473529
0.867531	1.242918	0.124005	0.652812	0.422755
1.011023	1.090576	0.890424	0.508231	0.492344
2.06059	1.943012	0.898003	0.782385	0.857227
0.687632	0.988012	0.566285	0.41467	0.555089
0.554094	-0.25555	-0.19074	0.400419	0.712235
0.442127	1.470468	0.566074	1.032839	1.106755
1.7113	1.023177	0.682083	0.86243	0.864382
0.474948	0.727856	0.509377	0.905096	0.67305
1.341874	0.778924	NA	1.145118	0.599766
0.825218	1.353288	0.801509	0.983783	0.734506
1.842063	1.915284	0.681713	0.592704	1.094197
1.119369	1.25558	0.070329	0.094016	0.029476
1.199894	0.851165	0.136726	0.561111	-0.10302
0.582127	1.064005	0.502677	0.73845	0.266405
1.273357	1.215823	0.747759	0.742599	0.661232
0.897076	0.393749	0.353301	0.384482	-0.16855
1.532871	1.03379	0.889604	1.04446	0.723886

1.380239	1.442169	0.557783	0.781436	0.461377
0.751457	0.515846	NA	1.103214	1.842884
1.831377	1.426686	0.557808	0.513623	0.160592
1.122327	1.580418	NA	0.399998	-0.27353
1.174192	0.688381	0.955222	1.087886	0.832452
1.566867	1.573022	0.312127	0.045332	-0.07344
0.762025	2.130914	1.136642	-0.03366	0.086697
1.224925	1.071549	0.888351	0.731614	0.574318
1.594209	0.556396	0.047739	-0.30895	0.42983
1.215091	1.142102	0.571107	0.822743	-0.02479
1.250766	1.410925	0.694322	0.572004	1.040549
1.533063	1.423604	1.343888	1.672404	1.274291
1.19008	1.072257	0.604945	1.34071	1.074681
0.757147	0.09151	1.123873	0.748225	1.013425
1.429744	1.000497	0.45783	0.745685	0.22913
0.367174	1.109005	0.449107	0.45725	0.753133
0.476847	0.476476	NA	1.423745	1.084903
0.516488	1.314582	0.552743	1.253324	1.593814
1.048053	0.912873	0.255817	1.551448	1.288323
1.135388	0.699514	0.291638	0.433842	0.17679
1.088487	1.248226	NA	0.065858	-0.33511
0.744424	1.447303	0.743868	0.416436	1.065349
0.944937	0.63687	0.282162	0.558013	0.51827
0.130137	1.242902	0.937123	0.310242	1.05128
1.350057	1.108868	0.621931	0.59779	0.495038
1.66659	1.487326	-0.02121	0.09696	0.164736
1.714405	1.54482	1.323168	0.08305	0.904296
1.134576	0.068701	-0.22379	NA	0.110684
0.572003	1.097689	1.018813	1.166941	0.986822
1.151126	0.723033	1.148283	1.076636	0.583665
0.501461	0.410082	NA	1.31267	0.771992
0.366538	0.573397	0.497458	0.291582	-0.01205
1.058729	0.483543	0.8763	0.672502	0.644506
0.479181	0.781418	1.125089	1.039256	1.101214
0.698478	-0.18437	NA	0.624671	0.136077
0.698931	1.285561	1.620394	0.985391	1.454447
1.282846	1.64004	0.422328	0.649316	-0.49301
1.395853	1.776454	1.563974	0.105002	1.606226
1.39437	1.27565	0.208298	0.154035	-0.19448
0.861826	0.677002	0.43025	0.400224	-0.23362
1.074508	1.617256	0.754286	0.90314	1.746627
1.262319	0.772089	1.411624	1.074525	1.259667
1.028731	1.102402	0.703771	0.584803	0.987084
-0.13888	0.465463	0.881804	0.761727	0.91981
0.624436	1.186531	0.928439	0.466209	0.761672
1.303058	1.001157	1.200265	0.781113	0.526738
0.814551	1.58394	1.015223	1.026201	0.133914
0.71101	1.599145	NA	0.54285	1.789207
0.80349	1.415462	1.095548	0.760792	1.245375
1.218996	-0.07131	0.505895	0.957529	0.415654
0.923914	1.559287	0.233341	0.456014	0.419514
0.68215	0.749519	1.029109	0.753748	1.047488
1.024332	1.494106	1.161051	0.728128	0.398984
0.436478	0.604965	0.6911	1.040988	0.633812
0.389816	1.390747	0.640453	0.375936	0.162084
0.988988	-0.28514	0.533259	0.977998	0.858662
0.866978	1.02834	0.230654	0.307205	-0.45941
0.921879	0.807145	0.205837	0.246228	NA

1.284283	1.47564	0.749102	0.576835	0.63141
1.485163	-0.04222	-0.13181	0.886263	0.947292
1.180115	1.212143	0.827255	0.402264	-0.61225
1.484148	1.390272	0.389294	0.661414	-0.3926
0.738933	0.863854	0.692667	0.979683	1.714547
0.775088	0.722191	0.802462	NA	1.26714
2.640121	0.999157	NA	0.561142	0.292598
1.184205	1.413246	0.157475	0.598909	0.78553
0.157695	0.225396	0.305462	0.975132	1.139391
0.636425	0.618986	1.033256	1.016843	0.881739
-0.01614	NA	0.710721	0.906972	1.331127
-0.06271	0.596302	1.004288	1.352485	1.120334
1.078498	1.083694	1.046642	0.437539	0.774332
1.406484	0.927076	0.860199	0.783869	-0.30319
1.115984	1.895286	0.69604	0.640019	-0.01866
1.422854	NA	1.549594	1.350923	0.925043
0.933068	0.165556	0.572501	0.027004	0.472985
1.072443	0.790174	0.975467	0.5384	-0.65616
0.80815	0.782215	0.847101	0.795987	0.302474
0.085491	0.551793	0.648321	0.520956	NA
1.229833	1.115287	1.681847	0.618924	1.648645
1.043243	0.622828	0.757198	0.795382	0.496787
1.217145	0.289513	NA	0.881938	1.634856
1.169629	1.201329	0.969835	0.847028	1.47177
0.1559	0.669961	0.856931	0.763508	0.560879
0.291976	NA	0.84297	0.79574	0.973268
0.790326	1.062306	0.812066	0.670246	0.395135
1.226727	0.682686	1.179407	0.696398	0.925025
0.720549	0.806618	0.775759	0.40897	0.403512
0.631518	0.211457	0.160878	-0.16156	-0.51653
0.931527	0.915837	0.736705	0.651785	-0.08721
0.42287	0.911734	0.577529	1.047102	1.143444
1.358207	1.454991	1.089372	0.3741	0.182641
0.846028	1.566097	0.831483	1.207224	0.583947
1.101468	0.665208	0.610138	0.757451	0.28711
0.564422	1.206796	0.577848	0.563651	0.368179
0.566524	1.221186	0.230427	-0.00347	-0.55929
0.517538	1.006591	0.56668	1.109677	1.34598
0.408234	0.683284	NA	0.574099	0.371583
0.353111	0.819731	0.916461	1.296096	0.720559
0.86812	1.108948	0.610908	0.693938	0.414353
0.429691	1.127286	1.25886	1.158525	1.394332
1.499666	0.137421	0.164337	0.698306	0.331084
1.604523	1.059516	0.148802	-0.15138	-0.14791
1.876597	1.532732	0.619856	1.007164	0.146349
0.343809	0.935988	0.568484	1.023658	0.595637
-0.10895	NA	0.583259	0.60156	0.454333
0.957527	0.370083	0.408543	0.782711	0.885959
1.050128	1.57358	NA	0.424664	0.448941
0.683223	0.527254	-0.16098	-0.01679	-0.35692
1.154636	0.285034	0.753875	0.990935	0.435274
0.697481	0.386156	1.028115	1.182597	0.873992
1.271342	1.176562	0.240725	0.337579	NA
0.546607	-0.16069	0.848682	0.411713	0.296048
0.420036	0.22538	0.085614	0.044699	-0.19044
0.825574	NA	0.506846	-0.1662	0.232882
1.017455	1.271677	1.600405	0.560346	1.599662
1.090199	0.078777	NA	1.291267	1.129462

1.138034	0.82707	0.554594	0.694819	0.66738
1.593674	NA	0.834224	0.601179	0.764066
1.109693	1.098489	0.263032	0.85838	0.280158
1.1887	0.708115	-0.18789	-0.00958	0.235483
1.379984	1.744777	0.832943	0.823435	0.498112
0.857399	NA	1.198778	0.385705	0.929073
0.880509	1.0752	0.838698	0.941578	0.836508
1.20614	0.313076	1.343873	0.89512	0.071109
0.622495	0.609555	0.847525	0.909216	0.814463
1.13225	0.824529	0.621011	0.62618	0.021089
0.669736	0.86828	0.358068	0.630398	0.078745
1.066858	0.908292	0.995693	0.294666	NA
0.916124	0.990886	-0.11961	0.678544	0.387485
1.815544	0.694958	0.166052	0.289742	-0.39361
0.693742	NA	-0.18527	0.098507	NA
1.26398	1.201967	0.434325	0.426407	0.83924
1.139296	0.996189	0.318387	0.401146	1.160327
0.019305	0.233411	0.332021	0.725675	-0.31202
1.116976	0.609928	NA	0.633744	0.246699
1.183731	0.412384	-0.06367	0.723255	0.017124
1.18186	0.740627	0.521616	0.549299	0.569242
1.292158	0.258867	NA	0.296638	0.148551
0.707117	1.067504	0.836117	0.403535	1.040832
1.275239	1.122636	0.159549	0.263275	0.186082
-0.28564	0.312216	0.680273	0.358107	0.53002
0.545316	0.248492	0.150584	0.73104	0.792582
0.414905	0.983954	0.044521	0.921836	1.171444
1.538638	1.040946	0.691518	0.087894	0.694622
1.107863	0.913055	0.948673	1.024921	0.95642
1.22624	1.118065	1.125882	0.237462	1.101452
1.168623	0.585004	0.578953	0.935831	0.636993
0.428088	0.815249	NA	0.457321	0.022573
1.347933	0.650827	NA	0.45305	0.275844
-1.03275	-0.68959	-0.01573	-0.38137	0.019758
-0.52195	-0.88677	-0.94705	-0.16379	-0.24206
-0.59346	-0.9665	-0.9942	-0.1796	-0.17957
-0.55656	-0.69769	-0.95189	-0.84491	-0.79573
-0.02263	-0.30216	-0.9557	-0.49056	-0.6992
-0.86045	-0.56147	-0.3749	-0.05439	-0.70822
0.00039	-0.63016	NA	-0.54452	-1.36892
-0.65493	-0.61696	-0.31344	-0.681	-0.13073
-1.19566	-0.82844	-0.50365	-0.58773	-0.7419
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