Table S1
Table S2
Table S3
Table S4
Table S5
Table S6

Demographics of the exposure and outcome cohort
Instrumental Variables used in the Mendelian Randomization analysis
Mendelian Randomization results of cerebrospinal fluid proteins and mental disorders
Results of Bayesian colocalization analysis of cerebrospinal fluid proteins and mental disorders
Summary of therapeutic target identification: Mendelian Randomization significance, colocalization evidenc
Significant protein-trait colocalization hits across different prior settings

:e, and drug availability across mental disorders

TableS1: Data source

Trait	Total N	Ncase	Ncontrol
Cerebrospinal fluid proteins	835	835	NA
Anorexia nervosa	72517	16992	55525
Post-traumatic stress disorder	174659	23212	151447
Attention deficit hyperactivity disorder	225534	38691	186843
Major depressive disorder	500199	170756	329443
Schizophrenia	130644	53386	77258
Bipolar disorder	413466	41917	371549

Number of proteins measured
713
NA
NA
NA
NA
NA
NA

Table S2: Instrumental Variables used in the Mendelian Randomization analysis

Disease	SNP	Effect_allele	Other_allele	BETA	MAF
Anorexia nervosa	rs1527973	T	C	0.015	0.469
Anorexia nervosa	rs3815343	C	G	0.057	0.304
Anorexia nervosa	rs2793833	A	C	-0.049	0.182
Anorexia nervosa	rs946259	C	T	0.193	0.456
Anorexia nervosa	rs10013836	T	C	-0.031	0.493
Anorexia nervosa	rs704	A	G	0.463	0.452
Anorexia nervosa	rs1790683	T	G	-0.024	0.275
Anorexia nervosa	rs438811	T	C	-0.105	0.223
Anorexia nervosa	rs429358	C	T	-0.027	0.158
Anorexia nervosa	rs3218848	A	G	-0.038	0.436
Anorexia nervosa	rs12309777	C	G	-0.063	0.064
Anorexia nervosa	rs71525496	T	C	0.035	0.102
Anorexia nervosa	rs4886747	G	A	0.120	0.195
Anorexia nervosa	rs3128117	C	T	0.030	0.393
Anorexia nervosa	rs3756011	A	C	0.047	0.393
Anorexia nervosa	rs2237014	G	A	0.044	0.107
Anorexia nervosa	rs192253604	A	G	-0.055	0.055
Anorexia nervosa	rs6439360	G	A	-0.039	0.252
Anorexia nervosa	rs2854746	C	G	0.038	0.400
Anorexia nervosa	rs2228467	C	T	0.068	0.069
Anorexia nervosa	rs4708731	C	T	0.045	0.335
Anorexia nervosa	rs78025190	G	C	-0.121	0.017
Anorexia nervosa	rs146388670	A	G	-0.059	0.044
Anorexia nervosa	rs6444442	A	G	-0.200	0.170
Anorexia nervosa	rs962859	C	A	0.027	0.413
Anorexia nervosa	rs663763	C	T	0.088	0.406
Anorexia nervosa	rs28999107	T	G	-0.019	0.437
Anorexia nervosa	rs149352678	T	C	-0.065	0.119
Anorexia nervosa	rs10248271	G	T	-0.041	0.223
Anorexia nervosa	rs3875145	C	T	-0.040	0.342
Anorexia nervosa	rs429358	C	T	-0.062	0.158
Anorexia nervosa	rs41301394	T	C	-0.032	0.296
Anorexia nervosa	rs72501730	A	G	-0.066	0.116
Anorexia nervosa	rs4980680	A	G	0.086	0.168
Anorexia nervosa	rs10922147	G	C	-0.215	0.253
Anorexia nervosa	rs4778639	G	T	-0.070	0.070
Anorexia nervosa	rs2227480	A	G	-0.071	0.195
Anorexia nervosa	rs429358	C	T	0.024	0.158
Anorexia nervosa	rs8056260	G	A	0.086	0.038
Anorexia nervosa	rs9438985	T	G	-0.021	0.453
Anorexia nervosa	rs1048328	A	G	-0.242	0.092
Anorexia nervosa	rs55747335	A	G	-0.060	0.092

Anorexia nervosa	rs288326	A	G	0.082	0.124
Anorexia nervosa	rs6690243	T	C	0.031	0.370
Anorexia nervosa	rs6598541	A	G	-0.034	0.342
Anorexia nervosa	rs11676293	A	G	-0.055	0.336
Anorexia nervosa	rs35612883	T	C	0.037	0.123
Anorexia nervosa	rs62024491	A	G	0.024	0.287
Anorexia nervosa	rs74480769	G	A	-0.134	0.056
Anorexia nervosa	rs7222922	T	C	-0.141	0.127
Anorexia nervosa	rs9903158	C	T	0.072	0.073
Anorexia nervosa	rs78170481	T	C	-0.073	0.229
Anorexia nervosa	rs1651888	A	G	0.038	0.292
Anorexia nervosa	rs12513710	C	T	-0.047	0.303
Anorexia nervosa	rs78248023	A	C	-0.184	0.097
Anorexia nervosa	rs1415772	G	C	0.030	0.217
Anorexia nervosa	rs11666008	G	C	-0.052	0.195
Anorexia nervosa	rs6478109	A	G	-0.059	0.327
Anorexia nervosa	rs429358	C	T	0.028	0.158
Anorexia nervosa	rs7412	T	C	0.060	0.064
Anorexia nervosa	rs2075803	A	G	-1.135	0.413
Anorexia nervosa	rs11715364	T	C	0.046	0.070
Anorexia nervosa	rs10422720	C	T	-0.058	0.260
Anorexia nervosa	rs141257390	C	T	-0.370	0.017
Anorexia nervosa	rs72968460	T	G	0.205	0.015
Anorexia nervosa	rs854469	G	A	0.138	0.146
Anorexia nervosa	rs217184	C	T	0.781	0.216
Anorexia nervosa	rs62495697	A	G	-0.053	0.369
Anorexia nervosa	rs76187513	T	A	-0.096	0.080
Anorexia nervosa	rs2232613	T	C	-0.174	0.074
Anorexia nervosa	rs35654957	C	T	0.072	0.380
Anorexia nervosa	rs1065757	T	C	-0.070	0.468
Anorexia nervosa	rs55967764	T	C	-0.148	0.317
Anorexia nervosa	rs28493251	G	A	-0.077	0.085
Anorexia nervosa	rs117154637	T	A	-0.122	0.044
Anorexia nervosa	rs7964859	G	C	-0.035	0.277
Anorexia nervosa	rs6041	A	G	-0.163	0.113
Anorexia nervosa	rs1613662	G	A	0.098	0.144
Anorexia nervosa	rs12151621	A	C	0.206	0.234
Anorexia nervosa	rs13159084	T	C	0.201	0.296
Anorexia nervosa	rs4660144	C	T	-0.021	0.496
Anorexia nervosa	rs2275529	A	C	0.115	0.302
Anorexia nervosa	rs2071484	C	T	0.049	0.346
Anorexia nervosa	rs4591185	T	A	-0.134	0.362
Anorexia nervosa	rs4464751	G	T	0.023	0.453
Anorexia nervosa	rs12980031	G	T	-0.179	0.230
Anorexia nervosa	rs2765501	A	G	0.077	0.402

Anorexia nervosa	rs2242001	A	G	-0.086	0.177
Anorexia nervosa	rs144087152	T	C	-0.109	0.017
Anorexia nervosa	rs1131544	T	C	0.155	0.160
Anorexia nervosa	rs71632960	A	G	0.065	0.054
Anorexia nervosa	rs11639596	C	A	0.037	0.271
Anorexia nervosa	rs8192662	T	A	-0.067	0.033
Anorexia nervosa	rs8142888	T	C	-0.037	0.350
Anorexia nervosa	rs116495361	G	C	-0.057	0.028
Anorexia nervosa	rs7047587	G	A	0.025	0.424
Anorexia nervosa	rs256438	G	T	0.040	0.389
Anorexia nervosa	rs385143	T	C	0.039	0.342
Anorexia nervosa	rs7553867	A	C	-0.021	0.385
Anorexia nervosa	rs6699047	C	T	0.105	0.046
Anorexia nervosa	rs7166890	T	C	0.035	0.298
Anorexia nervosa	rs6598541	A	G	-0.024	0.342
Anorexia nervosa	rs13220077	T	G	-0.018	0.241
Anorexia nervosa	rs1006027	C	T	-0.030	0.400
Anorexia nervosa	rs4725617	A	G	0.133	0.081
Anorexia nervosa	rs34849690	A	C	-0.026	0.156
Anorexia nervosa	rs2301742	G	T	-0.029	0.489
Anorexia nervosa	rs7412	T	C	0.078	0.064
Anorexia nervosa	rs74824633	T	C	0.133	0.062
Anorexia nervosa	rs740750	G	A	0.220	0.438
Anorexia nervosa	rs2519093	T	C	0.117	0.186
Anorexia nervosa	rs4151115	C	T	-0.054	0.130
Anorexia nervosa	rs854624	G	T	0.131	0.064
Anorexia nervosa	rs6151419	A	G	-0.069	0.160
Anorexia nervosa	rs1121789	C	A	-0.026	0.251
Anorexia nervosa	rs16910526	C	A	-0.153	0.067
Anorexia nervosa	rs11145996	T	C	0.056	0.247
Anorexia nervosa	rs2125125	T	C	0.075	0.183
Anorexia nervosa	rs2498323	A	G	-0.293	0.083
Anorexia nervosa	rs7757934	G	A	0.043	0.234
Anorexia nervosa	rs78054403	G	A	-0.035	0.245
Anorexia nervosa	rs113181367	T	G	-0.076	0.080
Anorexia nervosa	rs2660655	T	C	-0.032	0.227
Anorexia nervosa	rs629849	A	G	0.080	0.135
Anorexia nervosa	rs4719764	T	C	0.035	0.331
Anorexia nervosa	rs2298209	C	G	0.107	0.014
Anorexia nervosa	rs116843064	A	G	-0.063	0.027
Anorexia nervosa	rs3825084	G	T	0.164	0.146
Anorexia nervosa	rs4865911	G	A	0.035	0.324
Anorexia nervosa	rs2148412	C	T	-0.028	0.332
Anorexia nervosa	rs7967420	G	A	0.067	0.054
Anorexia nervosa	rs62024491	A	G	0.025	0.287

Anorexia nervosa	rs9504121	C	G	-0.040	0.125
Anorexia nervosa	rs2287327	T	C	-0.034	0.299
Anorexia nervosa	rs6830038	C	A	0.027	0.119
Anorexia nervosa	rs4129267	T	C	0.112	0.354
Anorexia nervosa	rs11236176	C	T	0.036	0.321
Anorexia nervosa	rs1138545	T	C	0.214	0.151
Anorexia nervosa	rs1561220	A	G	0.034	0.149
Anorexia nervosa	rs429358	C	T	0.050	0.158
Anorexia nervosa	rs111782199	T	C	-0.200	0.027
Anorexia nervosa	rs2229540	G	A	-0.195	0.065
Anorexia nervosa	rs80046943	T	C	-0.077	0.027
Anorexia nervosa	rs7568913	C	T	0.309	0.500
Anorexia nervosa	rs9322103	T	C	0.043	0.115
Anorexia nervosa	rs4408294	C	T	-0.027	0.410
Anorexia nervosa	rs429358	C	T	-0.155	0.158
Anorexia nervosa	rs5498	G	A	-0.174	0.464
Anorexia nervosa	rs3787023	G	A	0.051	0.498
Anorexia nervosa	rs1498761	C	T	0.026	0.441
Anorexia nervosa	rs9882740	C	T	-0.286	0.326
Anorexia nervosa	rs10901596	A	G	-0.016	0.491
Anorexia nervosa	rs11123637	T	C	-0.217	0.356
Anorexia nervosa	rs3858096	T	A	-0.024	0.361
Anorexia nervosa	rs8521	C	T	0.091	0.262
Anorexia nervosa	rs4478150	T	A	-0.020	0.199
Anorexia nervosa	rs11603020	C	T	-0.055	0.266
Anorexia nervosa	rs3743560	G	A	0.026	0.304
Anorexia nervosa	rs5030044	G	A	-0.035	0.105
Anorexia nervosa	rs11666008	G	C	-0.054	0.195
Anorexia nervosa	rs4613561	C	T	-0.163	0.247
Anorexia nervosa	rs114248594	T	C	0.133	0.036
Anorexia nervosa	rs7016480	T	C	0.036	0.054
Anorexia nervosa	rs72989070	T	C	0.139	0.188
Anorexia nervosa	rs55720583	T	C	0.055	0.062
Anorexia nervosa	rs147248452	C	T	-0.054	0.084
Anorexia nervosa	rs5030044	G	A	-0.028	0.105
Anorexia nervosa	rs7280100	C	T	-0.058	0.036
Anorexia nervosa	rs28385609	T	C	-0.166	0.139
Anorexia nervosa	rs76098787	C	T	0.049	0.052
Anorexia nervosa	rs13100791	A	G	-0.089	0.071
Anorexia nervosa	rs72712056	T	C	-0.062	0.233
Anorexia nervosa	rs6420914	G	A	0.022	0.307
Anorexia nervosa	rs117283768	G	A	-0.065	0.022
Anorexia nervosa	rs80046943	T	C	-0.092	0.027
Anorexia nervosa	rs3748338	T	A	0.038	0.141
Anorexia nervosa	rs138453441	A	G	-0.049	0.030

Anorexia nervosa	rs6027	C	T	-0.112	0.065
Anorexia nervosa	rs819417	C	T	-0.036	0.324
Anorexia nervosa	rs1695	G	A	-0.110	0.330
Anorexia nervosa	rs112689088	C	T	-0.214	0.099
Anorexia nervosa	rs2720811	C	T	-0.292	0.279
Anorexia nervosa	rs2168029	A	C	0.079	0.494
Anorexia nervosa	rs62059839	T	C	0.072	0.257
Anorexia nervosa	rs73974697	A	C	-0.035	0.061
Anorexia nervosa	rs11814337	G	A	0.064	0.112
Anorexia nervosa	rs17482078	T	C	-0.255	0.224
Anorexia nervosa	rs288326	A	G	0.029	0.124
Anorexia nervosa	rs3770102	T	G	0.033	0.398
Anorexia nervosa	rs6598541	A	G	-0.025	0.342
Anorexia nervosa	rs8192885	A	G	-0.209	0.079
Anorexia nervosa	rs6579812	A	G	0.064	0.438
Anorexia nervosa	rs115240947	C	T	-0.036	0.059
Anorexia nervosa	rs8192462	G	C	-0.076	0.042
Anorexia nervosa	rs6935460	G	A	0.107	0.393
Anorexia nervosa	rs429358	C	T	-0.025	0.158
Anorexia nervosa	rs3843341	G	A	0.053	0.306
Anorexia nervosa	rs1536926	G	T	-0.048	0.466
Anorexia nervosa	rs74695471	G	A	0.034	0.114
Anorexia nervosa	rs2232346	C	T	0.137	0.024
Anorexia nervosa	rs383925	T	C	0.084	0.171
Anorexia nervosa	rs55747335	A	G	-0.042	0.092
Anorexia nervosa	rs76081968	C	T	0.148	0.047
Anorexia nervosa	rs4704846	G	A	-0.083	0.190
Anorexia nervosa	rs429358	C	T	0.027	0.158
Anorexia nervosa	rs1410142	G	A	-0.046	0.215
Anorexia nervosa	rs4299540	G	A	0.027	0.320
Anorexia nervosa	rs429358	C	T	-0.053	0.158
Anorexia nervosa	rs9348260	G	A	-0.029	0.312
Anorexia nervosa	rs1535692	A	G	-0.029	0.191
Anorexia nervosa	rs17679445	A	G	-0.146	0.069
Anorexia nervosa	rs10252196	T	G	-0.298	0.122
Anorexia nervosa	rs10399687	T	C	-0.243	0.150
Anorexia nervosa	rs1293298	C	A	0.023	0.264
Anorexia nervosa	rs144087152	T	C	-0.102	0.017
Anorexia nervosa	rs146388670	A	G	-0.057	0.044
Anorexia nervosa	rs279591	G	A	-0.018	0.473
Anorexia nervosa	rs3959915	C	T	0.016	0.320
Anorexia nervosa	rs11581248	T	C	-0.175	0.126
Anorexia nervosa	rs1678613	C	T	-0.051	0.401
Anorexia nervosa	rs10827216	A	G	-0.023	0.452
Anorexia nervosa	rs429358	C	T	0.042	0.158

Anorexia nervosa	rs62024491	A	G	0.027	0.287
Anorexia nervosa	rs429358	C	T	-0.077	0.158
Anorexia nervosa	rs9894560	T	C	-0.035	0.476
Anorexia nervosa	rs57654926	C	A	-0.034	0.134
Anorexia nervosa	rs34593439	A	G	-0.262	0.107
Anorexia nervosa	rs3861946	C	A	-0.026	0.480
Anorexia nervosa	rs486055	T	C	-0.055	0.136
Anorexia nervosa	rs6598541	A	G	-0.030	0.342
Anorexia nervosa	rs1939020	G	T	-0.188	0.092
Anorexia nervosa	rs66817580	T	G	0.264	0.138
Anorexia nervosa	rs2211687	G	A	-0.101	0.124
Anorexia nervosa	rs4239242	C	T	-0.025	0.358
Anorexia nervosa	rs429358	C	T	-0.023	0.158
Post-traumatic stress disorder	rs1527973	T	C	0.015	0.469
Post-traumatic stress disorder	rs3815343	C	G	0.057	0.304
Post-traumatic stress disorder	rs2793833	A	C	-0.049	0.182
Post-traumatic stress disorder	rs946259	C	T	0.193	0.456
Post-traumatic stress disorder	rs10013836	T	C	-0.031	0.493
Post-traumatic stress disorder	rs77001038	G	C	-0.042	0.060
Post-traumatic stress disorder	rs704	A	G	0.463	0.452
Post-traumatic stress disorder	rs1790683	T	G	-0.024	0.275
Post-traumatic stress disorder	rs438811	T	C	-0.105	0.223
Post-traumatic stress disorder	rs28472359	C	T	0.093	0.095
Post-traumatic stress disorder	rs429358	C	T	-0.027	0.158
Post-traumatic stress disorder	rs3218848	A	G	-0.038	0.436
Post-traumatic stress disorder	rs12309777	C	G	-0.063	0.064
Post-traumatic stress disorder	rs71525496	T	C	0.035	0.102
Post-traumatic stress disorder	rs4886747	G	A	0.120	0.195
Post-traumatic stress disorder	rs3128117	C	T	0.030	0.393
Post-traumatic stress disorder	rs3756011	A	C	0.047	0.393
Post-traumatic stress disorder	rs114816329	A	G	-0.065	0.054
Post-traumatic stress disorder	rs2237014	G	A	0.044	0.107
Post-traumatic stress disorder	rs192253604	A	G	-0.055	0.055
Post-traumatic stress disorder	rs6439360	G	A	-0.039	0.252
Post-traumatic stress disorder	rs2854746	C	G	0.038	0.400
Post-traumatic stress disorder	rs2228467	C	T	0.068	0.069
Post-traumatic stress disorder	rs4708731	C	T	0.045	0.335
Post-traumatic stress disorder	rs78025190	G	C	-0.121	0.017
Post-traumatic stress disorder	rs146388670	A	G	-0.059	0.044
Post-traumatic stress disorder	rs6444442	A	G	-0.200	0.170
Post-traumatic stress disorder	rs962859	C	A	0.027	0.413
Post-traumatic stress disorder	rs663763	C	T	0.088	0.406
Post-traumatic stress disorder	rs28999107	T	G	-0.019	0.437
Post-traumatic stress disorder	rs149352678	T	C	-0.065	0.119
Post-traumatic stress disorder	rs10248271	G	T	-0.041	0.223

Post-traumatic stress disorder	rs3875145	C	T	-0.040	0.342
Post-traumatic stress disorder	rs73120407	A	C	0.129	0.016
Post-traumatic stress disorder	rs429358	C	T	-0.062	0.158
Post-traumatic stress disorder	rs41301394	T	C	-0.032	0.296
Post-traumatic stress disorder	rs12983058	T	G	0.148	0.286
Post-traumatic stress disorder	rs72501730	A	G	-0.066	0.116
Post-traumatic stress disorder	rs4980680	A	G	0.086	0.168
Post-traumatic stress disorder	rs10922147	G	C	-0.215	0.253
Post-traumatic stress disorder	rs4778639	G	T	-0.070	0.070
Post-traumatic stress disorder	rs2227480	A	G	-0.071	0.195
Post-traumatic stress disorder	rs429358	C	T	0.024	0.158
Post-traumatic stress disorder	rs8056260	G	A	0.086	0.038
Post-traumatic stress disorder	rs9438985	T	G	-0.021	0.453
Post-traumatic stress disorder	rs1048328	A	G	-0.242	0.092
Post-traumatic stress disorder	rs55747335	A	G	-0.060	0.092
Post-traumatic stress disorder	rs288326	A	G	0.082	0.124
Post-traumatic stress disorder	rs6690243	T	C	0.031	0.370
Post-traumatic stress disorder	rs6598541	A	G	-0.034	0.342
Post-traumatic stress disorder	rs11676293	A	G	-0.055	0.336
Post-traumatic stress disorder	rs35612883	T	C	0.037	0.123
Post-traumatic stress disorder	rs62024491	A	G	0.024	0.287
Post-traumatic stress disorder	rs74480769	G	A	-0.134	0.056
Post-traumatic stress disorder	rs7222922	T	C	-0.141	0.127
Post-traumatic stress disorder	rs9903158	C	T	0.072	0.073
Post-traumatic stress disorder	rs78170481	T	C	-0.073	0.229
Post-traumatic stress disorder	rs1651888	A	G	0.038	0.292
Post-traumatic stress disorder	rs12513710	C	T	-0.047	0.303
Post-traumatic stress disorder	rs78248023	A	C	-0.184	0.097
Post-traumatic stress disorder	rs1415772	G	C	0.030	0.217
Post-traumatic stress disorder	rs11666008	G	C	-0.052	0.195
Post-traumatic stress disorder	rs6478109	A	G	-0.059	0.327
Post-traumatic stress disorder	rs429358	C	T	0.028	0.158
Post-traumatic stress disorder	rs117722264	T	C	0.043	0.062
Post-traumatic stress disorder	rs7412	T	C	0.060	0.064
Post-traumatic stress disorder	rs2075803	A	G	-1.135	0.413
Post-traumatic stress disorder	rs11715364	T	C	0.046	0.070
Post-traumatic stress disorder	rs10422720	C	T	-0.058	0.260
Post-traumatic stress disorder	rs141257390	C	T	-0.370	0.017
Post-traumatic stress disorder	rs72968460	T	G	0.205	0.015
Post-traumatic stress disorder	rs4950138	G	T	0.379	0.015
Post-traumatic stress disorder	rs854469	G	A	0.138	0.146
Post-traumatic stress disorder	rs217184	C	T	0.781	0.216
Post-traumatic stress disorder	rs62495697	A	G	-0.053	0.369
Post-traumatic stress disorder	rs76187513	T	A	-0.096	0.080
Post-traumatic stress disorder	rs2232613	T	C	-0.174	0.074

Post-traumatic stress disorder	rs35654957	C	T	0.072	0.380
Post-traumatic stress disorder	rs1065757	T	C	-0.070	0.468
Post-traumatic stress disorder	rs55967764	T	C	-0.148	0.317
Post-traumatic stress disorder	rs28493251	G	A	-0.077	0.085
Post-traumatic stress disorder	rs117154637	T	A	-0.122	0.044
Post-traumatic stress disorder	rs7964859	G	C	-0.035	0.277
Post-traumatic stress disorder	rs1491934	A	T	-0.045	0.131
Post-traumatic stress disorder	rs6041	A	G	-0.163	0.113
Post-traumatic stress disorder	rs1613662	G	A	0.098	0.144
Post-traumatic stress disorder	rs12151621	A	C	0.206	0.234
Post-traumatic stress disorder	rs13159084	T	C	0.201	0.296
Post-traumatic stress disorder	rs4660144	C	T	-0.021	0.496
Post-traumatic stress disorder	rs2275529	A	C	0.115	0.302
Post-traumatic stress disorder	rs140237016	T	C	0.134	0.012
Post-traumatic stress disorder	rs2071484	C	T	0.049	0.346
Post-traumatic stress disorder	rs4591185	T	A	-0.134	0.362
Post-traumatic stress disorder	rs4464751	G	T	0.023	0.453
Post-traumatic stress disorder	rs12980031	G	T	-0.179	0.230
Post-traumatic stress disorder	rs2765501	A	G	0.077	0.402
Post-traumatic stress disorder	rs2242001	A	G	-0.086	0.177
Post-traumatic stress disorder	rs144087152	T	C	-0.109	0.017
Post-traumatic stress disorder	rs1131544	T	C	0.155	0.160
Post-traumatic stress disorder	rs71632960	A	G	0.065	0.054
Post-traumatic stress disorder	rs11639596	C	A	0.037	0.271
Post-traumatic stress disorder	rs8192662	T	A	-0.067	0.033
Post-traumatic stress disorder	rs8142888	T	C	-0.037	0.350
Post-traumatic stress disorder	rs116495361	G	C	-0.057	0.028
Post-traumatic stress disorder	rs7047587	G	A	0.025	0.424
Post-traumatic stress disorder	rs256438	G	T	0.040	0.389
Post-traumatic stress disorder	rs385143	T	C	0.039	0.342
Post-traumatic stress disorder	rs7553867	A	C	-0.021	0.385
Post-traumatic stress disorder	rs1654526	A	G	0.132	0.169
Post-traumatic stress disorder	rs6699047	C	T	0.105	0.046
Post-traumatic stress disorder	rs7166890	T	C	0.035	0.298
Post-traumatic stress disorder	rs112332886	A	G	0.537	0.100
Post-traumatic stress disorder	rs6598541	A	G	-0.024	0.342
Post-traumatic stress disorder	rs17269439	A	C	0.125	0.030
Post-traumatic stress disorder	rs13220077	T	G	-0.018	0.241
Post-traumatic stress disorder	rs1006027	C	T	-0.030	0.400
Post-traumatic stress disorder	rs4725617	A	G	0.133	0.081
Post-traumatic stress disorder	rs34849690	A	C	-0.026	0.156
Post-traumatic stress disorder	rs2301742	G	T	-0.029	0.489
Post-traumatic stress disorder	rs7412	T	C	0.078	0.064
Post-traumatic stress disorder	rs74824633	T	C	0.133	0.062
Post-traumatic stress disorder	rs740750	G	A	0.220	0.438

Post-traumatic stress disorder	rs2365715	G	A	-0.048	0.387
Post-traumatic stress disorder	rs4151115	C	T	-0.054	0.130
Post-traumatic stress disorder	rs854624	G	T	0.131	0.064
Post-traumatic stress disorder	rs6151419	A	G	-0.069	0.160
Post-traumatic stress disorder	rs1121789	C	A	-0.026	0.251
Post-traumatic stress disorder	rs16910526	C	A	-0.153	0.067
Post-traumatic stress disorder	rs11145996	T	C	0.056	0.247
Post-traumatic stress disorder	rs2125125	T	C	0.075	0.183
Post-traumatic stress disorder	rs2498323	A	G	-0.293	0.083
Post-traumatic stress disorder	rs7757934	G	A	0.043	0.234
Post-traumatic stress disorder	rs78054403	G	A	-0.035	0.245
Post-traumatic stress disorder	rs113181367	T	G	-0.076	0.080
Post-traumatic stress disorder	rs2660655	T	C	-0.032	0.227
Post-traumatic stress disorder	rs79801780	C	G	-0.161	0.033
Post-traumatic stress disorder	rs629849	A	G	0.080	0.135
Post-traumatic stress disorder	rs4719764	T	C	0.035	0.331
Post-traumatic stress disorder	rs2298209	C	G	0.107	0.014
Post-traumatic stress disorder	rs116843064	A	G	-0.063	0.027
Post-traumatic stress disorder	rs3825084	G	T	0.164	0.146
Post-traumatic stress disorder	rs4865911	G	A	0.035	0.324
Post-traumatic stress disorder	rs111304500	A	G	0.019	0.113
Post-traumatic stress disorder	rs2148412	C	T	-0.028	0.332
Post-traumatic stress disorder	rs7967420	G	A	0.067	0.054
Post-traumatic stress disorder	rs62024491	A	G	0.025	0.287
Post-traumatic stress disorder	rs9504121	C	G	-0.040	0.125
Post-traumatic stress disorder	rs2287327	T	C	-0.034	0.299
Post-traumatic stress disorder	rs6830038	C	A	0.027	0.119
Post-traumatic stress disorder	rs4129267	T	C	0.112	0.354
Post-traumatic stress disorder	rs11236176	C	T	0.036	0.321
Post-traumatic stress disorder	rs1138545	T	C	0.214	0.151
Post-traumatic stress disorder	rs1561220	A	G	0.034	0.149
Post-traumatic stress disorder	rs429358	C	T	0.050	0.158
Post-traumatic stress disorder	rs111782199	T	C	-0.200	0.027
Post-traumatic stress disorder	rs2229540	G	A	-0.195	0.065
Post-traumatic stress disorder	rs6427382	C	T	0.037	0.154
Post-traumatic stress disorder	rs80046943	T	C	-0.077	0.027
Post-traumatic stress disorder	rs7568913	C	T	0.309	0.500
Post-traumatic stress disorder	rs9322103	T	C	0.043	0.115
Post-traumatic stress disorder	rs4408294	C	T	-0.027	0.410
Post-traumatic stress disorder	rs429358	C	T	-0.155	0.158
Post-traumatic stress disorder	rs5498	G	A	-0.174	0.464
Post-traumatic stress disorder	rs3787023	G	A	0.051	0.498
Post-traumatic stress disorder	rs1498761	C	T	0.026	0.441
Post-traumatic stress disorder	rs9882740	C	T	-0.286	0.326
Post-traumatic stress disorder	rs10901596	A	G	-0.016	0.491

Post-traumatic stress disorder	rs11123637	T	C	-0.217	0.356
Post-traumatic stress disorder	rs3858096	T	A	-0.024	0.361
Post-traumatic stress disorder	rs8521	C	T	0.091	0.262
Post-traumatic stress disorder	rs4478150	T	A	-0.020	0.199
Post-traumatic stress disorder	rs11603020	C	T	-0.055	0.266
Post-traumatic stress disorder	rs3743560	G	A	0.026	0.304
Post-traumatic stress disorder	rs5030044	G	A	-0.035	0.105
Post-traumatic stress disorder	rs11666008	G	C	-0.054	0.195
Post-traumatic stress disorder	rs4613561	C	T	-0.163	0.247
Post-traumatic stress disorder	rs114248594	T	C	0.133	0.036
Post-traumatic stress disorder	rs7016480	T	C	0.036	0.054
Post-traumatic stress disorder	rs72989070	T	C	0.139	0.188
Post-traumatic stress disorder	rs55720583	T	C	0.055	0.062
Post-traumatic stress disorder	rs115651556	A	G	-0.190	0.018
Post-traumatic stress disorder	rs147248452	C	T	-0.054	0.084
Post-traumatic stress disorder	rs5030044	G	A	-0.028	0.105
Post-traumatic stress disorder	rs7280100	C	T	-0.058	0.036
Post-traumatic stress disorder	rs28385609	T	C	-0.166	0.139
Post-traumatic stress disorder	rs76098787	C	T	0.049	0.052
Post-traumatic stress disorder	rs13100791	A	G	-0.089	0.071
Post-traumatic stress disorder	rs72712056	T	C	-0.062	0.233
Post-traumatic stress disorder	rs6420914	G	A	0.022	0.307
Post-traumatic stress disorder	rs117283768	G	A	-0.065	0.022
Post-traumatic stress disorder	rs80046943	T	C	-0.092	0.027
Post-traumatic stress disorder	rs3748338	T	A	0.038	0.141
Post-traumatic stress disorder	rs138453441	A	G	-0.049	0.030
Post-traumatic stress disorder	rs6027	C	T	-0.112	0.065
Post-traumatic stress disorder	rs819417	C	T	-0.036	0.324
Post-traumatic stress disorder	rs1695	G	A	-0.110	0.330
Post-traumatic stress disorder	rs112689088	C	T	-0.214	0.099
Post-traumatic stress disorder	rs2720811	C	T	-0.292	0.279
Post-traumatic stress disorder	rs2168029	A	C	0.079	0.494
Post-traumatic stress disorder	rs62059839	T	C	0.072	0.257
Post-traumatic stress disorder	rs73974697	A	C	-0.035	0.061
Post-traumatic stress disorder	rs11814337	G	A	0.064	0.112
Post-traumatic stress disorder	rs17482078	T	C	-0.255	0.224
Post-traumatic stress disorder	rs288326	A	G	0.029	0.124
Post-traumatic stress disorder	rs3770102	T	G	0.033	0.398
Post-traumatic stress disorder	rs148370779	T	C	-0.148	0.012
Post-traumatic stress disorder	rs6598541	A	G	-0.025	0.342
Post-traumatic stress disorder	rs8192885	A	G	-0.209	0.079
Post-traumatic stress disorder	rs6579812	A	G	0.064	0.438
Post-traumatic stress disorder	rs1491934	A	T	-0.034	0.131
Post-traumatic stress disorder	rs115240947	C	T	-0.036	0.059
Post-traumatic stress disorder	rs8192462	G	C	-0.076	0.042

Post-traumatic stress disorder	rs6935460	G	A	0.107	0.393
Post-traumatic stress disorder	rs429358	C	T	-0.025	0.158
Post-traumatic stress disorder	rs3843341	G	A	0.053	0.306
Post-traumatic stress disorder	rs1536926	G	T	-0.048	0.466
Post-traumatic stress disorder	rs74695471	G	A	0.034	0.114
Post-traumatic stress disorder	rs2232346	C	T	0.137	0.024
Post-traumatic stress disorder	rs383925	T	C	0.084	0.171
Post-traumatic stress disorder	rs55747335	A	G	-0.042	0.092
Post-traumatic stress disorder	rs76081968	C	T	0.148	0.047
Post-traumatic stress disorder	rs35026308	C	T	-0.139	0.199
Post-traumatic stress disorder	rs4704846	G	A	-0.083	0.190
Post-traumatic stress disorder	rs141682513	T	C	-0.089	0.014
Post-traumatic stress disorder	rs429358	C	T	0.027	0.158
Post-traumatic stress disorder	rs1410142	G	A	-0.046	0.215
Post-traumatic stress disorder	rs4299540	G	A	0.027	0.320
Post-traumatic stress disorder	rs429358	C	T	-0.053	0.158
Post-traumatic stress disorder	rs9348260	G	A	-0.029	0.312
Post-traumatic stress disorder	rs1535692	A	G	-0.029	0.191
Post-traumatic stress disorder	rs17679445	A	G	-0.146	0.069
Post-traumatic stress disorder	rs10252196	T	G	-0.298	0.122
Post-traumatic stress disorder	rs10399687	T	C	-0.243	0.150
Post-traumatic stress disorder	rs1293298	C	A	0.023	0.264
Post-traumatic stress disorder	rs144087152	T	C	-0.102	0.017
Post-traumatic stress disorder	rs146388670	A	G	-0.057	0.044
Post-traumatic stress disorder	rs279591	G	A	-0.018	0.473
Post-traumatic stress disorder	rs61886516	G	C	0.153	0.022
Post-traumatic stress disorder	rs3959915	C	T	0.016	0.320
Post-traumatic stress disorder	rs11581248	T	C	-0.175	0.126
Post-traumatic stress disorder	rs1678613	C	T	-0.051	0.401
Post-traumatic stress disorder	rs10827216	A	G	-0.023	0.452
Post-traumatic stress disorder	rs5756295	G	A	-0.014	0.340
Post-traumatic stress disorder	rs429358	C	T	0.042	0.158
Post-traumatic stress disorder	rs62024491	A	G	0.027	0.287
Post-traumatic stress disorder	rs429358	C	T	-0.077	0.158
Post-traumatic stress disorder	rs9894560	T	C	-0.035	0.476
Post-traumatic stress disorder	rs140744220	G	A	0.109	0.014
Post-traumatic stress disorder	rs57654926	C	A	-0.034	0.134
Post-traumatic stress disorder	rs34593439	A	G	-0.262	0.107
Post-traumatic stress disorder	rs3861946	C	A	-0.026	0.480
Post-traumatic stress disorder	rs486055	T	C	-0.055	0.136
Post-traumatic stress disorder	rs6598541	A	G	-0.030	0.342
Post-traumatic stress disorder	rs1939020	G	T	-0.188	0.092
Post-traumatic stress disorder	rs66817580	T	G	0.264	0.138
Post-traumatic stress disorder	rs2211687	G	A	-0.101	0.124
Post-traumatic stress disorder	rs4239242	C	T	-0.025	0.358

Post-traumatic stress disorder	rs429358	C	T	-0.023	0.158
Attention deficit hyperactivity di	rs1527973	T	C	0.015	0.469
Attention deficit hyperactivity di	rs3815343	C	G	0.057	0.304
Attention deficit hyperactivity di	rs2793833	A	C	-0.049	0.182
Attention deficit hyperactivity di	rs946259	C	T	0.193	0.456
Attention deficit hyperactivity di	rs10013836	T	C	-0.031	0.493
Attention deficit hyperactivity di	rs77001038	G	C	-0.042	0.060
Attention deficit hyperactivity di	rs704	A	G	0.463	0.452
Attention deficit hyperactivity di	rs1790683	T	G	-0.024	0.275
Attention deficit hyperactivity di	rs438811	T	C	-0.105	0.223
Attention deficit hyperactivity di	rs429358	C	T	-0.027	0.158
Attention deficit hyperactivity di	rs3218848	A	G	-0.038	0.436
Attention deficit hyperactivity di	rs12309777	C	G	-0.063	0.064
Attention deficit hyperactivity di	rs71525496	T	C	0.035	0.102
Attention deficit hyperactivity di	rs4886747	G	A	0.120	0.195
Attention deficit hyperactivity di	rs3128117	C	T	0.030	0.393
Attention deficit hyperactivity di	rs3756011	A	C	0.047	0.393
Attention deficit hyperactivity di	rs2237014	G	A	0.044	0.107
Attention deficit hyperactivity di	rs6439360	G	A	-0.039	0.252
Attention deficit hyperactivity di	rs2854746	C	G	0.038	0.400
Attention deficit hyperactivity di	rs2228467	C	T	0.068	0.069
Attention deficit hyperactivity di	rs4708731	C	T	0.045	0.335
Attention deficit hyperactivity di	rs78025190	G	C	-0.121	0.017
Attention deficit hyperactivity di	rs6444442	A	G	-0.200	0.170
Attention deficit hyperactivity di	rs962859	C	A	0.027	0.413
Attention deficit hyperactivity di	rs663763	C	T	0.088	0.406
Attention deficit hyperactivity di	rs28999107	T	G	-0.019	0.437
Attention deficit hyperactivity di	rs149352678	T	C	-0.065	0.119
Attention deficit hyperactivity di	rs10248271	G	T	-0.041	0.223
Attention deficit hyperactivity di	rs3875145	C	T	-0.040	0.342
Attention deficit hyperactivity di	rs429358	C	T	-0.062	0.158
Attention deficit hyperactivity di	rs41301394	T	C	-0.032	0.296
Attention deficit hyperactivity di	rs72501730	A	G	-0.066	0.116
Attention deficit hyperactivity di	rs4980680	A	G	0.086	0.168
Attention deficit hyperactivity di	rs10922147	G	C	-0.215	0.253
Attention deficit hyperactivity di	rs4778639	G	T	-0.070	0.070
Attention deficit hyperactivity di	rs2227480	A	G	-0.071	0.195
Attention deficit hyperactivity di	rs429358	C	T	0.024	0.158
Attention deficit hyperactivity di	rs8056260	G	A	0.086	0.038
Attention deficit hyperactivity di	rs9438985	T	G	-0.021	0.453
Attention deficit hyperactivity di	rs1048328	A	G	-0.242	0.092
Attention deficit hyperactivity di	rs55747335	A	G	-0.060	0.092
Attention deficit hyperactivity di	rs288326	A	G	0.082	0.124
Attention deficit hyperactivity di	rs6690243	T	C	0.031	0.370
Attention deficit hyperactivity di	rs6598541	A	G	-0.034	0.342

Attention deficit hyperactivity d	rs11676293	A	G	-0.055	0.336
Attention deficit hyperactivity d	rs35612883	T	C	0.037	0.123
Attention deficit hyperactivity d	rs62024491	A	G	0.024	0.287
Attention deficit hyperactivity d	rs74480769	G	A	-0.134	0.056
Attention deficit hyperactivity d	rs7222922	T	C	-0.141	0.127
Attention deficit hyperactivity d	rs9903158	C	T	0.072	0.073
Attention deficit hyperactivity d	rs78170481	T	C	-0.073	0.229
Attention deficit hyperactivity d	rs12513710	C	T	-0.047	0.303
Attention deficit hyperactivity d	rs1415772	G	C	0.030	0.217
Attention deficit hyperactivity d	rs6478109	A	G	-0.059	0.327
Attention deficit hyperactivity d	rs429358	C	T	0.028	0.158
Attention deficit hyperactivity d	rs7412	T	C	0.060	0.064
Attention deficit hyperactivity d	rs2075803	A	G	-1.135	0.413
Attention deficit hyperactivity d	rs11715364	T	C	0.046	0.070
Attention deficit hyperactivity d	rs10422720	C	T	-0.058	0.260
Attention deficit hyperactivity d	rs141257390	C	T	-0.370	0.017
Attention deficit hyperactivity d	rs72968460	T	G	0.205	0.015
Attention deficit hyperactivity d	rs854469	G	A	0.138	0.146
Attention deficit hyperactivity d	rs217184	C	T	0.781	0.216
Attention deficit hyperactivity d	rs62495697	A	G	-0.053	0.369
Attention deficit hyperactivity d	rs76187513	T	A	-0.096	0.080
Attention deficit hyperactivity d	rs2232613	T	C	-0.174	0.074
Attention deficit hyperactivity d	rs35654957	C	T	0.072	0.380
Attention deficit hyperactivity d	rs1065757	T	C	-0.070	0.468
Attention deficit hyperactivity d	rs55967764	T	C	-0.148	0.317
Attention deficit hyperactivity d	rs28493251	G	A	-0.077	0.085
Attention deficit hyperactivity d	rs117154637	T	A	-0.122	0.044
Attention deficit hyperactivity d	rs7964859	G	C	-0.035	0.277
Attention deficit hyperactivity d	rs1491934	A	T	-0.045	0.131
Attention deficit hyperactivity d	rs6041	A	G	-0.163	0.113
Attention deficit hyperactivity d	rs1613662	G	A	0.098	0.144
Attention deficit hyperactivity d	rs12151621	A	C	0.206	0.234
Attention deficit hyperactivity d	rs4660144	C	T	-0.021	0.496
Attention deficit hyperactivity d	rs2275529	A	C	0.115	0.302
Attention deficit hyperactivity d	rs2071484	C	T	0.049	0.346
Attention deficit hyperactivity d	rs4591185	T	A	-0.134	0.362
Attention deficit hyperactivity d	rs4464751	G	T	0.023	0.453
Attention deficit hyperactivity d	rs2765501	A	G	0.077	0.402
Attention deficit hyperactivity d	rs2242001	A	G	-0.086	0.177
Attention deficit hyperactivity d	rs144087152	T	C	-0.109	0.017
Attention deficit hyperactivity d	rs1131544	T	C	0.155	0.160
Attention deficit hyperactivity d	rs71632960	A	G	0.065	0.054
Attention deficit hyperactivity d	rs11639596	C	A	0.037	0.271
Attention deficit hyperactivity d	rs8192662	T	A	-0.067	0.033
Attention deficit hyperactivity d	rs8142888	T	C	-0.037	0.350

Attention deficit hyperactivity d	rs116495361	G	C	-0.057	0.028
Attention deficit hyperactivity d	rs7047587	G	A	0.025	0.424
Attention deficit hyperactivity d	rs256438	G	T	0.040	0.389
Attention deficit hyperactivity d	rs385143	T	C	0.039	0.342
Attention deficit hyperactivity d	rs7553867	A	C	-0.021	0.385
Attention deficit hyperactivity d	rs6699047	C	T	0.105	0.046
Attention deficit hyperactivity d	rs7166890	T	C	0.035	0.298
Attention deficit hyperactivity d	rs6598541	A	G	-0.024	0.342
Attention deficit hyperactivity d	rs17269439	A	C	0.125	0.030
Attention deficit hyperactivity d	rs13220077	T	G	-0.018	0.241
Attention deficit hyperactivity d	rs1006027	C	T	-0.030	0.400
Attention deficit hyperactivity d	rs4725617	A	G	0.133	0.081
Attention deficit hyperactivity d	rs34849690	A	C	-0.026	0.156
Attention deficit hyperactivity d	rs7412	T	C	0.078	0.064
Attention deficit hyperactivity d	rs740750	G	A	0.220	0.438
Attention deficit hyperactivity d	rs4151115	C	T	-0.054	0.130
Attention deficit hyperactivity d	rs854624	G	T	0.131	0.064
Attention deficit hyperactivity d	rs6151419	A	G	-0.069	0.160
Attention deficit hyperactivity d	rs1121789	C	A	-0.026	0.251
Attention deficit hyperactivity d	rs16910526	C	A	-0.153	0.067
Attention deficit hyperactivity d	rs11145996	T	C	0.056	0.247
Attention deficit hyperactivity d	rs2125125	T	C	0.075	0.183
Attention deficit hyperactivity d	rs7757934	G	A	0.043	0.234
Attention deficit hyperactivity d	rs78054403	G	A	-0.035	0.245
Attention deficit hyperactivity d	rs113181367	T	G	-0.076	0.080
Attention deficit hyperactivity d	rs2660655	T	C	-0.032	0.227
Attention deficit hyperactivity d	rs79801780	C	G	-0.161	0.033
Attention deficit hyperactivity d	rs629849	A	G	0.080	0.135
Attention deficit hyperactivity d	rs4719764	T	C	0.035	0.331
Attention deficit hyperactivity d	rs116843064	A	G	-0.063	0.027
Attention deficit hyperactivity d	rs3825084	G	T	0.164	0.146
Attention deficit hyperactivity d	rs4865911	G	A	0.035	0.324
Attention deficit hyperactivity d	rs111304500	A	G	0.019	0.113
Attention deficit hyperactivity d	rs2148412	C	T	-0.028	0.332
Attention deficit hyperactivity d	rs7967420	G	A	0.067	0.054
Attention deficit hyperactivity d	rs62024491	A	G	0.025	0.287
Attention deficit hyperactivity d	rs9504121	C	G	-0.040	0.125
Attention deficit hyperactivity d	rs2287327	T	C	-0.034	0.299
Attention deficit hyperactivity d	rs6830038	C	A	0.027	0.119
Attention deficit hyperactivity d	rs4129267	T	C	0.112	0.354
Attention deficit hyperactivity d	rs11236176	C	T	0.036	0.321
Attention deficit hyperactivity d	rs1138545	T	C	0.214	0.151
Attention deficit hyperactivity d	rs1561220	A	G	0.034	0.149
Attention deficit hyperactivity d	rs429358	C	T	0.050	0.158
Attention deficit hyperactivity d	rs111782199	T	C	-0.200	0.027

Attention deficit hyperactivity d	rs2229540	G	A	-0.195	0.065
Attention deficit hyperactivity d	rs80046943	T	C	-0.077	0.027
Attention deficit hyperactivity d	rs7568913	C	T	0.309	0.500
Attention deficit hyperactivity d	rs9322103	T	C	0.043	0.115
Attention deficit hyperactivity d	rs429358	C	T	-0.155	0.158
Attention deficit hyperactivity d	rs5498	G	A	-0.174	0.464
Attention deficit hyperactivity d	rs3787023	G	A	0.051	0.498
Attention deficit hyperactivity d	rs1498761	C	T	0.026	0.441
Attention deficit hyperactivity d	rs9882740	C	T	-0.286	0.326
Attention deficit hyperactivity d	rs10901596	A	G	-0.016	0.491
Attention deficit hyperactivity d	rs11123637	T	C	-0.217	0.356
Attention deficit hyperactivity d	rs3858096	T	A	-0.024	0.361
Attention deficit hyperactivity d	rs8521	C	T	0.091	0.262
Attention deficit hyperactivity d	rs4478150	T	A	-0.020	0.199
Attention deficit hyperactivity d	rs11603020	C	T	-0.055	0.266
Attention deficit hyperactivity d	rs3743560	G	A	0.026	0.304
Attention deficit hyperactivity d	rs5030044	G	A	-0.035	0.105
Attention deficit hyperactivity d	rs4613561	C	T	-0.163	0.247
Attention deficit hyperactivity d	rs114248594	T	C	0.133	0.036
Attention deficit hyperactivity d	rs7016480	T	C	0.036	0.054
Attention deficit hyperactivity d	rs72989070	T	C	0.139	0.188
Attention deficit hyperactivity d	rs55720583	T	C	0.055	0.062
Attention deficit hyperactivity d	rs147248452	C	T	-0.054	0.084
Attention deficit hyperactivity d	rs5030044	G	A	-0.028	0.105
Attention deficit hyperactivity d	rs7280100	C	T	-0.058	0.036
Attention deficit hyperactivity d	rs28385609	T	C	-0.166	0.139
Attention deficit hyperactivity d	rs76098787	C	T	0.049	0.052
Attention deficit hyperactivity d	rs13100791	A	G	-0.089	0.071
Attention deficit hyperactivity d	rs72712056	T	C	-0.062	0.233
Attention deficit hyperactivity d	rs6420914	G	A	0.022	0.307
Attention deficit hyperactivity d	rs117283768	G	A	-0.065	0.022
Attention deficit hyperactivity d	rs80046943	T	C	-0.092	0.027
Attention deficit hyperactivity d	rs3748338	T	A	0.038	0.141
Attention deficit hyperactivity d	rs138453441	A	G	-0.049	0.030
Attention deficit hyperactivity d	rs6027	C	T	-0.112	0.065
Attention deficit hyperactivity d	rs819417	C	T	-0.036	0.324
Attention deficit hyperactivity d	rs1695	G	A	-0.110	0.330
Attention deficit hyperactivity d	rs112689088	C	T	-0.214	0.099
Attention deficit hyperactivity d	rs2720811	C	T	-0.292	0.279
Attention deficit hyperactivity d	rs2168029	A	C	0.079	0.494
Attention deficit hyperactivity d	rs62059839	T	C	0.072	0.257
Attention deficit hyperactivity d	rs73974697	A	C	-0.035	0.061
Attention deficit hyperactivity d	rs11814337	G	A	0.064	0.112
Attention deficit hyperactivity d	rs17482078	T	C	-0.255	0.224
Attention deficit hyperactivity d	rs288326	A	G	0.029	0.124

Attention deficit hyperactivity d	rs3770102	T	G	0.033	0.398
Attention deficit hyperactivity d	rs6598541	A	G	-0.025	0.342
Attention deficit hyperactivity d	rs8192885	A	G	-0.209	0.079
Attention deficit hyperactivity d	rs6579812	A	G	0.064	0.438
Attention deficit hyperactivity d	rs1491934	A	T	-0.034	0.131
Attention deficit hyperactivity d	rs115240947	C	T	-0.036	0.059
Attention deficit hyperactivity d	rs8192462	G	C	-0.076	0.042
Attention deficit hyperactivity d	rs6935460	G	A	0.107	0.393
Attention deficit hyperactivity d	rs429358	C	T	-0.025	0.158
Attention deficit hyperactivity d	rs3843341	G	A	0.053	0.306
Attention deficit hyperactivity d	rs1536926	G	T	-0.048	0.466
Attention deficit hyperactivity d	rs74695471	G	A	0.034	0.114
Attention deficit hyperactivity d	rs2232346	C	T	0.137	0.024
Attention deficit hyperactivity d	rs383925	T	C	0.084	0.171
Attention deficit hyperactivity d	rs55747335	A	G	-0.042	0.092
Attention deficit hyperactivity d	rs76081968	C	T	0.148	0.047
Attention deficit hyperactivity d	rs35026308	C	T	-0.139	0.199
Attention deficit hyperactivity d	rs4704846	G	A	-0.083	0.190
Attention deficit hyperactivity d	rs429358	C	T	0.027	0.158
Attention deficit hyperactivity d	rs1410142	G	A	-0.046	0.215
Attention deficit hyperactivity d	rs4299540	G	A	0.027	0.320
Attention deficit hyperactivity d	rs429358	C	T	-0.053	0.158
Attention deficit hyperactivity d	rs9348260	G	A	-0.029	0.312
Attention deficit hyperactivity d	rs1535692	A	G	-0.029	0.191
Attention deficit hyperactivity d	rs17679445	A	G	-0.146	0.069
Attention deficit hyperactivity d	rs10252196	T	G	-0.298	0.122
Attention deficit hyperactivity d	rs10399687	T	C	-0.243	0.150
Attention deficit hyperactivity d	rs1293298	C	A	0.023	0.264
Attention deficit hyperactivity d	rs144087152	T	C	-0.102	0.017
Attention deficit hyperactivity d	rs61886516	G	C	0.153	0.022
Attention deficit hyperactivity d	rs3959915	C	T	0.016	0.320
Attention deficit hyperactivity d	rs11581248	T	C	-0.175	0.126
Attention deficit hyperactivity d	rs1678613	C	T	-0.051	0.401
Attention deficit hyperactivity d	rs10827216	A	G	-0.023	0.452
Attention deficit hyperactivity d	rs429358	C	T	0.042	0.158
Attention deficit hyperactivity d	rs62024491	A	G	0.027	0.287
Attention deficit hyperactivity d	rs429358	C	T	-0.077	0.158
Attention deficit hyperactivity d	rs9894560	T	C	-0.035	0.476
Attention deficit hyperactivity d	rs57654926	C	A	-0.034	0.134
Attention deficit hyperactivity d	rs34593439	A	G	-0.262	0.107
Attention deficit hyperactivity d	rs3861946	C	A	-0.026	0.480
Attention deficit hyperactivity d	rs486055	T	C	-0.055	0.136
Attention deficit hyperactivity d	rs6598541	A	G	-0.030	0.342
Attention deficit hyperactivity d	rs1939020	G	T	-0.188	0.092
Attention deficit hyperactivity d	rs66817580	T	G	0.264	0.138

Attention deficit hyperactivity di	rs2211687	G	A	-0.101	0.124
Attention deficit hyperactivity di	rs4239242	C	T	-0.025	0.358
Attention deficit hyperactivity di	rs429358	C	T	-0.023	0.158
Attention deficit hyperactivity di	rs9348260	G	A	-0.029	0.312
Attention deficit hyperactivity di	rs1535692	A	G	-0.029	0.191
Attention deficit hyperactivity di	rs17679445	A	G	-0.146	0.069
Attention deficit hyperactivity di	rs10252196	T	G	-0.298	0.122
Attention deficit hyperactivity di	rs10399687	T	C	-0.243	0.150
Attention deficit hyperactivity di	rs1293298	C	A	0.023	0.264
Attention deficit hyperactivity di	rs144087152	T	C	-0.102	0.017
Attention deficit hyperactivity di	rs146388670	A	G	-0.057	0.044
Attention deficit hyperactivity di	rs279591	G	A	-0.018	0.473
Attention deficit hyperactivity di	rs61886516	G	C	0.153	0.022
Attention deficit hyperactivity di	rs3959915	C	T	0.016	0.320
Attention deficit hyperactivity di	rs11581248	T	C	-0.175	0.126
Attention deficit hyperactivity di	rs1678613	C	T	-0.051	0.401
Attention deficit hyperactivity di	rs10827216	A	G	-0.023	0.452
Attention deficit hyperactivity di	rs5756295	G	A	-0.014	0.340
Attention deficit hyperactivity di	rs429358	C	T	0.042	0.158
Attention deficit hyperactivity di	rs62024491	A	G	0.027	0.287
Attention deficit hyperactivity di	rs429358	C	T	-0.077	0.158
Attention deficit hyperactivity di	rs9894560	T	C	-0.035	0.476
Attention deficit hyperactivity di	rs140744220	G	A	0.109	0.014
Attention deficit hyperactivity di	rs57654926	C	A	-0.034	0.134
Attention deficit hyperactivity di	rs34593439	A	G	-0.262	0.107
Attention deficit hyperactivity di	rs3861946	C	A	-0.026	0.480
Attention deficit hyperactivity di	rs486055	T	C	-0.055	0.136
Attention deficit hyperactivity di	rs6598541	A	G	-0.030	0.342
Attention deficit hyperactivity di	rs1939020	G	T	-0.188	0.092
Attention deficit hyperactivity di	rs66817580	T	G	0.264	0.138
Attention deficit hyperactivity di	rs2211687	G	A	-0.101	0.124
Attention deficit hyperactivity di	rs4239242	C	T	-0.025	0.358
Attention deficit hyperactivity di	rs429358	C	T	-0.023	0.158
Major depressive disorder	rs1527973	T	C	0.015	0.469
Major depressive disorder	rs3815343	C	G	0.057	0.304
Major depressive disorder	rs2793833	A	C	-0.049	0.182
Major depressive disorder	rs946259	C	T	0.193	0.456
Major depressive disorder	rs117257762	G	A	-0.150	0.012
Major depressive disorder	rs10013836	T	C	-0.031	0.493
Major depressive disorder	rs77001038	G	C	-0.042	0.060
Major depressive disorder	rs704	A	G	0.463	0.452
Major depressive disorder	rs1790683	T	G	-0.024	0.275
Major depressive disorder	rs438811	T	C	-0.105	0.223
Major depressive disorder	rs28472359	C	T	0.093	0.095
Major depressive disorder	rs429358	C	T	-0.027	0.158

Major depressive disorder	rs3218848	A	G	-0.038	0.436
Major depressive disorder	rs12309777	C	G	-0.063	0.064
Major depressive disorder	rs71525496	T	C	0.035	0.102
Major depressive disorder	rs4886747	G	A	0.120	0.195
Major depressive disorder	rs3128117	C	T	0.030	0.393
Major depressive disorder	rs3756011	A	C	0.047	0.393
Major depressive disorder	rs114816329	A	G	-0.065	0.054
Major depressive disorder	rs2237014	G	A	0.044	0.107
Major depressive disorder	rs192253604	A	G	-0.055	0.055
Major depressive disorder	rs6439360	G	A	-0.039	0.252
Major depressive disorder	rs2854746	C	G	0.038	0.400
Major depressive disorder	rs2228467	C	T	0.068	0.069
Major depressive disorder	rs4708731	C	T	0.045	0.335
Major depressive disorder	rs78025190	G	C	-0.121	0.017
Major depressive disorder	rs146388670	A	G	-0.059	0.044
Major depressive disorder	rs6444442	A	G	-0.200	0.170
Major depressive disorder	rs962859	C	A	0.027	0.413
Major depressive disorder	rs663763	C	T	0.088	0.406
Major depressive disorder	rs28999107	T	G	-0.019	0.437
Major depressive disorder	rs149352678	T	C	-0.065	0.119
Major depressive disorder	rs10248271	G	T	-0.041	0.223
Major depressive disorder	rs3875145	C	T	-0.040	0.342
Major depressive disorder	rs73120407	A	C	0.129	0.016
Major depressive disorder	rs429358	C	T	-0.062	0.158
Major depressive disorder	rs41301394	T	C	-0.032	0.296
Major depressive disorder	rs12983058	T	G	0.148	0.286
Major depressive disorder	rs72501730	A	G	-0.066	0.116
Major depressive disorder	rs4980680	A	G	0.086	0.168
Major depressive disorder	rs10922147	G	C	-0.215	0.253
Major depressive disorder	rs4778639	G	T	-0.070	0.070
Major depressive disorder	rs2227480	A	G	-0.071	0.195
Major depressive disorder	rs429358	C	T	0.024	0.158
Major depressive disorder	rs8056260	G	A	0.086	0.038
Major depressive disorder	rs9438985	T	G	-0.021	0.453
Major depressive disorder	rs1048328	A	G	-0.242	0.092
Major depressive disorder	rs55747335	A	G	-0.060	0.092
Major depressive disorder	rs288326	A	G	0.082	0.124
Major depressive disorder	rs6690243	T	C	0.031	0.370
Major depressive disorder	rs6598541	A	G	-0.034	0.342
Major depressive disorder	rs11676293	A	G	-0.055	0.336
Major depressive disorder	rs35612883	T	C	0.037	0.123
Major depressive disorder	rs62024491	A	G	0.024	0.287
Major depressive disorder	rs74480769	G	A	-0.134	0.056
Major depressive disorder	rs7222922	T	C	-0.141	0.127
Major depressive disorder	rs9903158	C	T	0.072	0.073

Major depressive disorder	rs78170481	T	C	-0.073	0.229
Major depressive disorder	rs12513710	C	T	-0.047	0.303
Major depressive disorder	rs78248023	A	C	-0.184	0.097
Major depressive disorder	rs1415772	G	C	0.030	0.217
Major depressive disorder	rs11666008	G	C	-0.052	0.195
Major depressive disorder	rs6478109	A	G	-0.059	0.327
Major depressive disorder	rs429358	C	T	0.028	0.158
Major depressive disorder	rs117722264	T	C	0.043	0.062
Major depressive disorder	rs7412	T	C	0.060	0.064
Major depressive disorder	rs2075803	A	G	-1.135	0.413
Major depressive disorder	rs11715364	T	C	0.046	0.070
Major depressive disorder	rs10422720	C	T	-0.058	0.260
Major depressive disorder	rs141257390	C	T	-0.370	0.017
Major depressive disorder	rs72968460	T	G	0.205	0.015
Major depressive disorder	rs4950138	G	T	0.379	0.015
Major depressive disorder	rs854469	G	A	0.138	0.146
Major depressive disorder	rs217184	C	T	0.781	0.216
Major depressive disorder	rs62495697	A	G	-0.053	0.369
Major depressive disorder	rs76187513	T	A	-0.096	0.080
Major depressive disorder	rs35654957	C	T	0.072	0.380
Major depressive disorder	rs1065757	T	C	-0.070	0.468
Major depressive disorder	rs55967764	T	C	-0.148	0.317
Major depressive disorder	rs28493251	G	A	-0.077	0.085
Major depressive disorder	rs117154637	T	A	-0.122	0.044
Major depressive disorder	rs7964859	G	C	-0.035	0.277
Major depressive disorder	rs1491934	A	T	-0.045	0.131
Major depressive disorder	rs6041	A	G	-0.163	0.113
Major depressive disorder	rs1613662	G	A	0.098	0.144
Major depressive disorder	rs12151621	A	C	0.206	0.234
Major depressive disorder	rs13159084	T	C	0.201	0.296
Major depressive disorder	rs4660144	C	T	-0.021	0.496
Major depressive disorder	rs2275529	A	C	0.115	0.302
Major depressive disorder	rs140237016	T	C	0.134	0.012
Major depressive disorder	rs2071484	C	T	0.049	0.346
Major depressive disorder	rs4591185	T	A	-0.134	0.362
Major depressive disorder	rs4464751	G	T	0.023	0.453
Major depressive disorder	rs12980031	G	T	-0.179	0.230
Major depressive disorder	rs2765501	A	G	0.077	0.402
Major depressive disorder	rs2242001	A	G	-0.086	0.177
Major depressive disorder	rs144087152	T	C	-0.109	0.017
Major depressive disorder	rs1131544	T	C	0.155	0.160
Major depressive disorder	rs71632960	A	G	0.065	0.054
Major depressive disorder	rs11639596	C	A	0.037	0.271
Major depressive disorder	rs8192662	T	A	-0.067	0.033
Major depressive disorder	rs138096450	C	T	-0.131	0.010

Major depressive disorder	rs8142888	T	C	-0.037	0.350
Major depressive disorder	rs116495361	G	C	-0.057	0.028
Major depressive disorder	rs7047587	G	A	0.025	0.424
Major depressive disorder	rs256438	G	T	0.040	0.389
Major depressive disorder	rs385143	T	C	0.039	0.342
Major depressive disorder	rs7553867	A	C	-0.021	0.385
Major depressive disorder	rs1654526	A	G	0.132	0.169
Major depressive disorder	rs6699047	C	T	0.105	0.046
Major depressive disorder	rs7166890	T	C	0.035	0.298
Major depressive disorder	rs112332886	A	G	0.537	0.100
Major depressive disorder	rs6598541	A	G	-0.024	0.342
Major depressive disorder	rs17269439	A	C	0.125	0.030
Major depressive disorder	rs13220077	T	G	-0.018	0.241
Major depressive disorder	rs1006027	C	T	-0.030	0.400
Major depressive disorder	rs4725617	A	G	0.133	0.081
Major depressive disorder	rs34849690	A	C	-0.026	0.156
Major depressive disorder	rs2301742	G	T	-0.029	0.489
Major depressive disorder	rs7412	T	C	0.078	0.064
Major depressive disorder	rs74824633	T	C	0.133	0.062
Major depressive disorder	rs740750	G	A	0.220	0.438
Major depressive disorder	rs2519093	T	C	0.117	0.186
Major depressive disorder	rs4151115	C	T	-0.054	0.130
Major depressive disorder	rs854624	G	T	0.131	0.064
Major depressive disorder	rs6151419	A	G	-0.069	0.160
Major depressive disorder	rs1121789	C	A	-0.026	0.251
Major depressive disorder	rs16910526	C	A	-0.153	0.067
Major depressive disorder	rs2125125	T	C	0.075	0.183
Major depressive disorder	rs2498323	A	G	-0.293	0.083
Major depressive disorder	rs7757934	G	A	0.043	0.234
Major depressive disorder	rs78054403	G	A	-0.035	0.245
Major depressive disorder	rs113181367	T	G	-0.076	0.080
Major depressive disorder	rs2660655	T	C	-0.032	0.227
Major depressive disorder	rs79801780	C	G	-0.161	0.033
Major depressive disorder	rs629849	A	G	0.080	0.135
Major depressive disorder	rs4719764	T	C	0.035	0.331
Major depressive disorder	rs116843064	A	G	-0.063	0.027
Major depressive disorder	rs3825084	G	T	0.164	0.146
Major depressive disorder	rs4865911	G	A	0.035	0.324
Major depressive disorder	rs111304500	A	G	0.019	0.113
Major depressive disorder	rs2148412	C	T	-0.028	0.332
Major depressive disorder	rs7967420	G	A	0.067	0.054
Major depressive disorder	rs62024491	A	G	0.025	0.287
Major depressive disorder	rs9504121	C	G	-0.040	0.125
Major depressive disorder	rs2287327	T	C	-0.034	0.299
Major depressive disorder	rs6830038	C	A	0.027	0.119

Major depressive disorder	rs4129267	T	C	0.112	0.354
Major depressive disorder	rs11236176	C	T	0.036	0.321
Major depressive disorder	rs1561220	A	G	0.034	0.149
Major depressive disorder	rs429358	C	T	0.050	0.158
Major depressive disorder	rs111782199	T	C	-0.200	0.027
Major depressive disorder	rs2229540	G	A	-0.195	0.065
Major depressive disorder	rs80046943	T	C	-0.077	0.027
Major depressive disorder	rs7568913	C	T	0.309	0.500
Major depressive disorder	rs9322103	T	C	0.043	0.115
Major depressive disorder	rs4408294	C	T	-0.027	0.410
Major depressive disorder	rs429358	C	T	-0.155	0.158
Major depressive disorder	rs5498	G	A	-0.174	0.464
Major depressive disorder	rs3787023	G	A	0.051	0.498
Major depressive disorder	rs1498761	C	T	0.026	0.441
Major depressive disorder	rs9882740	C	T	-0.286	0.326
Major depressive disorder	rs10901596	A	G	-0.016	0.491
Major depressive disorder	rs11123637	T	C	-0.217	0.356
Major depressive disorder	rs3858096	T	A	-0.024	0.361
Major depressive disorder	rs8521	C	T	0.091	0.262
Major depressive disorder	rs4478150	T	A	-0.020	0.199
Major depressive disorder	rs11603020	C	T	-0.055	0.266
Major depressive disorder	rs3743560	G	A	0.026	0.304
Major depressive disorder	rs5030044	G	A	-0.035	0.105
Major depressive disorder	rs11666008	G	C	-0.054	0.195
Major depressive disorder	rs4613561	C	T	-0.163	0.247
Major depressive disorder	rs114248594	T	C	0.133	0.036
Major depressive disorder	rs7016480	T	C	0.036	0.054
Major depressive disorder	rs72989070	T	C	0.139	0.188
Major depressive disorder	rs55720583	T	C	0.055	0.062
Major depressive disorder	rs115651556	A	G	-0.190	0.018
Major depressive disorder	rs147248452	C	T	-0.054	0.084
Major depressive disorder	rs5030044	G	A	-0.028	0.105
Major depressive disorder	rs7280100	C	T	-0.058	0.036
Major depressive disorder	rs28385609	T	C	-0.166	0.139
Major depressive disorder	rs76098787	C	T	0.049	0.052
Major depressive disorder	rs13100791	A	G	-0.089	0.071
Major depressive disorder	rs72712056	T	C	-0.062	0.233
Major depressive disorder	rs6420914	G	A	0.022	0.307
Major depressive disorder	rs117283768	G	A	-0.065	0.022
Major depressive disorder	rs80046943	T	C	-0.092	0.027
Major depressive disorder	rs3748338	T	A	0.038	0.141
Major depressive disorder	rs138453441	A	G	-0.049	0.030
Major depressive disorder	rs6027	C	T	-0.112	0.065
Major depressive disorder	rs819417	C	T	-0.036	0.324
Major depressive disorder	rs1695	G	A	-0.110	0.330

Major depressive disorder	rs112689088	C	T	-0.214	0.099
Major depressive disorder	rs2720811	C	T	-0.292	0.279
Major depressive disorder	rs2168029	A	C	0.079	0.494
Major depressive disorder	rs62059839	T	C	0.072	0.257
Major depressive disorder	rs73974697	A	C	-0.035	0.061
Major depressive disorder	rs11814337	G	A	0.064	0.112
Major depressive disorder	rs17482078	T	C	-0.255	0.224
Major depressive disorder	rs288326	A	G	0.029	0.124
Major depressive disorder	rs3770102	T	G	0.033	0.398
Major depressive disorder	rs148370779	T	C	-0.148	0.012
Major depressive disorder	rs6598541	A	G	-0.025	0.342
Major depressive disorder	rs8192885	A	G	-0.209	0.079
Major depressive disorder	rs6579812	A	G	0.064	0.438
Major depressive disorder	rs1491934	A	T	-0.034	0.131
Major depressive disorder	rs115240947	C	T	-0.036	0.059
Major depressive disorder	rs8192462	G	C	-0.076	0.042
Major depressive disorder	rs6935460	G	A	0.107	0.393
Major depressive disorder	rs429358	C	T	-0.025	0.158
Major depressive disorder	rs3843341	G	A	0.053	0.306
Major depressive disorder	rs1536926	G	T	-0.048	0.466
Major depressive disorder	rs74695471	G	A	0.034	0.114
Major depressive disorder	rs2232346	C	T	0.137	0.024
Major depressive disorder	rs383925	T	C	0.084	0.171
Major depressive disorder	rs55747335	A	G	-0.042	0.092
Major depressive disorder	rs76081968	C	T	0.148	0.047
Major depressive disorder	rs35026308	C	T	-0.139	0.199
Major depressive disorder	rs4704846	G	A	-0.083	0.190
Major depressive disorder	rs114571208	C	A	-0.148	0.011
Major depressive disorder	rs141682513	T	C	-0.089	0.014
Major depressive disorder	rs429358	C	T	0.027	0.158
Major depressive disorder	rs1410142	G	A	-0.046	0.215
Major depressive disorder	rs4299540	G	A	0.027	0.320
Major depressive disorder	rs429358	C	T	-0.053	0.158
Major depressive disorder	rs9348260	G	A	-0.029	0.312
Major depressive disorder	rs1535692	A	G	-0.029	0.191
Major depressive disorder	rs17679445	A	G	-0.146	0.069
Major depressive disorder	rs10252196	T	G	-0.298	0.122
Major depressive disorder	rs10399687	T	C	-0.243	0.150
Major depressive disorder	rs1293298	C	A	0.023	0.264
Major depressive disorder	rs144087152	T	C	-0.102	0.017
Major depressive disorder	rs146388670	A	G	-0.057	0.044
Major depressive disorder	rs279591	G	A	-0.018	0.473
Major depressive disorder	rs61886516	G	C	0.153	0.022
Major depressive disorder	rs3959915	C	T	0.016	0.320
Major depressive disorder	rs11581248	T	C	-0.175	0.126

Major depressive disorder	rs1678613	C	T	-0.051	0.401
Major depressive disorder	rs10827216	A	G	-0.023	0.452
Major depressive disorder	rs5756295	G	A	-0.014	0.340
Major depressive disorder	rs429358	C	T	0.042	0.158
Major depressive disorder	rs62024491	A	G	0.027	0.287
Major depressive disorder	rs429358	C	T	-0.077	0.158
Major depressive disorder	rs9894560	T	C	-0.035	0.476
Major depressive disorder	rs140744220	G	A	0.109	0.014
Major depressive disorder	rs57654926	C	A	-0.034	0.134
Major depressive disorder	rs34593439	A	G	-0.262	0.107
Major depressive disorder	rs3861946	C	A	-0.026	0.480
Major depressive disorder	rs486055	T	C	-0.055	0.136
Major depressive disorder	rs6598541	A	G	-0.030	0.342
Major depressive disorder	rs1939020	G	T	-0.188	0.092
Major depressive disorder	rs66817580	T	G	0.264	0.138
Major depressive disorder	rs2211687	G	A	-0.101	0.124
Major depressive disorder	rs4239242	C	T	-0.025	0.358
Major depressive disorder	rs429358	C	T	-0.023	0.158
Schizophrenia	rs1527973	T	C	0.015	0.469
Schizophrenia	rs3815343	C	G	0.057	0.304
Schizophrenia	rs2793833	A	C	-0.049	0.182
Schizophrenia	rs946259	C	T	0.193	0.456
Schizophrenia	rs10013836	T	C	-0.031	0.493
Schizophrenia	rs77001038	G	C	-0.042	0.060
Schizophrenia	rs704	A	G	0.463	0.452
Schizophrenia	rs1790683	T	G	-0.024	0.275
Schizophrenia	rs438811	T	C	-0.105	0.223
Schizophrenia	rs28472359	C	T	0.093	0.095
Schizophrenia	rs429358	C	T	-0.027	0.158
Schizophrenia	rs3218848	A	G	-0.038	0.436
Schizophrenia	rs12309777	C	G	-0.063	0.064
Schizophrenia	rs71525496	T	C	0.035	0.102
Schizophrenia	rs4886747	G	A	0.120	0.195
Schizophrenia	rs3128117	C	T	0.030	0.393
Schizophrenia	rs3756011	A	C	0.047	0.393
Schizophrenia	rs114816329	A	G	-0.065	0.054
Schizophrenia	rs2237014	G	A	0.044	0.107
Schizophrenia	rs6439360	G	A	-0.039	0.252
Schizophrenia	rs2854746	C	G	0.038	0.400
Schizophrenia	rs2228467	C	T	0.068	0.069
Schizophrenia	rs4708731	C	T	0.045	0.335
Schizophrenia	rs78025190	G	C	-0.121	0.017
Schizophrenia	rs146388670	A	G	-0.059	0.044
Schizophrenia	rs6444442	A	G	-0.200	0.170
Schizophrenia	rs962859	C	A	0.027	0.413

Schizophrenia	rs663763	C	T	0.088	0.406
Schizophrenia	rs28999107	T	G	-0.019	0.437
Schizophrenia	rs149352678	T	C	-0.065	0.119
Schizophrenia	rs10248271	G	T	-0.041	0.223
Schizophrenia	rs3875145	C	T	-0.040	0.342
Schizophrenia	rs73120407	A	C	0.129	0.016
Schizophrenia	rs429358	C	T	-0.062	0.158
Schizophrenia	rs41301394	T	C	-0.032	0.296
Schizophrenia	rs12983058	T	G	0.148	0.286
Schizophrenia	rs72501730	A	G	-0.066	0.116
Schizophrenia	rs4980680	A	G	0.086	0.168
Schizophrenia	rs10922147	G	C	-0.215	0.253
Schizophrenia	rs4778639	G	T	-0.070	0.070
Schizophrenia	rs2227480	A	G	-0.071	0.195
Schizophrenia	rs429358	C	T	0.024	0.158
Schizophrenia	rs8056260	G	A	0.086	0.038
Schizophrenia	rs9438985	T	G	-0.021	0.453
Schizophrenia	rs1048328	A	G	-0.242	0.092
Schizophrenia	rs55747335	A	G	-0.060	0.092
Schizophrenia	rs288326	A	G	0.082	0.124
Schizophrenia	rs6690243	T	C	0.031	0.370
Schizophrenia	rs6598541	A	G	-0.034	0.342
Schizophrenia	rs11676293	A	G	-0.055	0.336
Schizophrenia	rs35612883	T	C	0.037	0.123
Schizophrenia	rs62024491	A	G	0.024	0.287
Schizophrenia	rs74480769	G	A	-0.134	0.056
Schizophrenia	rs7222922	T	C	-0.141	0.127
Schizophrenia	rs9903158	C	T	0.072	0.073
Schizophrenia	rs78170481	T	C	-0.073	0.229
Schizophrenia	rs1651888	A	G	0.038	0.292
Schizophrenia	rs12513710	C	T	-0.047	0.303
Schizophrenia	rs78248023	A	C	-0.184	0.097
Schizophrenia	rs1415772	G	C	0.030	0.217
Schizophrenia	rs11666008	G	C	-0.052	0.195
Schizophrenia	rs6478109	A	G	-0.059	0.327
Schizophrenia	rs429358	C	T	0.028	0.158
Schizophrenia	rs117722264	T	C	0.043	0.062
Schizophrenia	rs7412	T	C	0.060	0.064
Schizophrenia	rs2075803	A	G	-1.135	0.413
Schizophrenia	rs11715364	T	C	0.046	0.070
Schizophrenia	rs10422720	C	T	-0.058	0.260
Schizophrenia	rs141257390	C	T	-0.370	0.017
Schizophrenia	rs72968460	T	G	0.205	0.015
Schizophrenia	rs4950138	G	T	0.379	0.015
Schizophrenia	rs854469	G	A	0.138	0.146

Schizophrenia	rs217184	C	T	0.781	0.216
Schizophrenia	rs62495697	A	G	-0.053	0.369
Schizophrenia	rs76187513	T	A	-0.096	0.080
Schizophrenia	rs2232613	T	C	-0.174	0.074
Schizophrenia	rs35654957	C	T	0.072	0.380
Schizophrenia	rs1065757	T	C	-0.070	0.468
Schizophrenia	rs55967764	T	C	-0.148	0.317
Schizophrenia	rs28493251	G	A	-0.077	0.085
Schizophrenia	rs117154637	T	A	-0.122	0.044
Schizophrenia	rs7964859	G	C	-0.035	0.277
Schizophrenia	rs1491934	A	T	-0.045	0.131
Schizophrenia	rs6041	A	G	-0.163	0.113
Schizophrenia	rs1613662	G	A	0.098	0.144
Schizophrenia	rs12151621	A	C	0.206	0.234
Schizophrenia	rs4660144	C	T	-0.021	0.496
Schizophrenia	rs2275529	A	C	0.115	0.302
Schizophrenia	rs140237016	T	C	0.134	0.012
Schizophrenia	rs2071484	C	T	0.049	0.346
Schizophrenia	rs4591185	T	A	-0.134	0.362
Schizophrenia	rs4464751	G	T	0.023	0.453
Schizophrenia	rs12980031	G	T	-0.179	0.230
Schizophrenia	rs2765501	A	G	0.077	0.402
Schizophrenia	rs2242001	A	G	-0.086	0.177
Schizophrenia	rs144087152	T	C	-0.109	0.017
Schizophrenia	rs1131544	T	C	0.155	0.160
Schizophrenia	rs71632960	A	G	0.065	0.054
Schizophrenia	rs11639596	C	A	0.037	0.271
Schizophrenia	rs8192662	T	A	-0.067	0.033
Schizophrenia	rs8142888	T	C	-0.037	0.350
Schizophrenia	rs116495361	G	C	-0.057	0.028
Schizophrenia	rs7047587	G	A	0.025	0.424
Schizophrenia	rs256438	G	T	0.040	0.389
Schizophrenia	rs385143	T	C	0.039	0.342
Schizophrenia	rs7553867	A	C	-0.021	0.385
Schizophrenia	rs1654526	A	G	0.132	0.169
Schizophrenia	rs6699047	C	T	0.105	0.046
Schizophrenia	rs7166890	T	C	0.035	0.298
Schizophrenia	rs112332886	A	G	0.537	0.100
Schizophrenia	rs6598541	A	G	-0.024	0.342
Schizophrenia	rs17269439	A	C	0.125	0.030
Schizophrenia	rs13220077	T	G	-0.018	0.241
Schizophrenia	rs1006027	C	T	-0.030	0.400
Schizophrenia	rs4725617	A	G	0.133	0.081
Schizophrenia	rs34849690	A	C	-0.026	0.156
Schizophrenia	rs2301742	G	T	-0.029	0.489

Schizophrenia	rs7412	T	C	0.078	0.064
Schizophrenia	rs740750	G	A	0.220	0.438
Schizophrenia	rs2365715	G	A	-0.048	0.387
Schizophrenia	rs2519093	T	C	0.117	0.186
Schizophrenia	rs4151115	C	T	-0.054	0.130
Schizophrenia	rs854624	G	T	0.131	0.064
Schizophrenia	rs6151419	A	G	-0.069	0.160
Schizophrenia	rs1121789	C	A	-0.026	0.251
Schizophrenia	rs16910526	C	A	-0.153	0.067
Schizophrenia	rs11145996	T	C	0.056	0.247
Schizophrenia	rs2125125	T	C	0.075	0.183
Schizophrenia	rs2498323	A	G	-0.293	0.083
Schizophrenia	rs7757934	G	A	0.043	0.234
Schizophrenia	rs78054403	G	A	-0.035	0.245
Schizophrenia	rs113181367	T	G	-0.076	0.080
Schizophrenia	rs2660655	T	C	-0.032	0.227
Schizophrenia	rs79801780	C	G	-0.161	0.033
Schizophrenia	rs629849	A	G	0.080	0.135
Schizophrenia	rs4719764	T	C	0.035	0.331
Schizophrenia	rs2298209	C	G	0.107	0.014
Schizophrenia	rs116843064	A	G	-0.063	0.027
Schizophrenia	rs3825084	G	T	0.164	0.146
Schizophrenia	rs4865911	G	A	0.035	0.324
Schizophrenia	rs111304500	A	G	0.019	0.113
Schizophrenia	rs2148412	C	T	-0.028	0.332
Schizophrenia	rs7967420	G	A	0.067	0.054
Schizophrenia	rs62024491	A	G	0.025	0.287
Schizophrenia	rs9504121	C	G	-0.040	0.125
Schizophrenia	rs2287327	T	C	-0.034	0.299
Schizophrenia	rs6830038	C	A	0.027	0.119
Schizophrenia	rs4129267	T	C	0.112	0.354
Schizophrenia	rs11236176	C	T	0.036	0.321
Schizophrenia	rs1138545	T	C	0.214	0.151
Schizophrenia	rs1561220	A	G	0.034	0.149
Schizophrenia	rs429358	C	T	0.050	0.158
Schizophrenia	rs111782199	T	C	-0.200	0.027
Schizophrenia	rs2229540	G	A	-0.195	0.065
Schizophrenia	rs6427382	C	T	0.037	0.154
Schizophrenia	rs80046943	T	C	-0.077	0.027
Schizophrenia	rs7568913	C	T	0.309	0.500
Schizophrenia	rs9322103	T	C	0.043	0.115
Schizophrenia	rs429358	C	T	-0.155	0.158
Schizophrenia	rs5498	G	A	-0.174	0.464
Schizophrenia	rs3787023	G	A	0.051	0.498
Schizophrenia	rs1498761	C	T	0.026	0.441

Schizophrenia	rs9882740	C	T	-0.286	0.326
Schizophrenia	rs10901596	A	G	-0.016	0.491
Schizophrenia	rs11123637	T	C	-0.217	0.356
Schizophrenia	rs3858096	T	A	-0.024	0.361
Schizophrenia	rs8521	C	T	0.091	0.262
Schizophrenia	rs4478150	T	A	-0.020	0.199
Schizophrenia	rs11603020	C	T	-0.055	0.266
Schizophrenia	rs3743560	G	A	0.026	0.304
Schizophrenia	rs5030044	G	A	-0.035	0.105
Schizophrenia	rs11666008	G	C	-0.054	0.195
Schizophrenia	rs4613561	C	T	-0.163	0.247
Schizophrenia	rs114248594	T	C	0.133	0.036
Schizophrenia	rs7016480	T	C	0.036	0.054
Schizophrenia	rs72989070	T	C	0.139	0.188
Schizophrenia	rs55720583	T	C	0.055	0.062
Schizophrenia	rs115651556	A	G	-0.190	0.018
Schizophrenia	rs147248452	C	T	-0.054	0.084
Schizophrenia	rs5030044	G	A	-0.028	0.105
Schizophrenia	rs7280100	C	T	-0.058	0.036
Schizophrenia	rs28385609	T	C	-0.166	0.139
Schizophrenia	rs76098787	C	T	0.049	0.052
Schizophrenia	rs13100791	A	G	-0.089	0.071
Schizophrenia	rs72712056	T	C	-0.062	0.233
Schizophrenia	rs6420914	G	A	0.022	0.307
Schizophrenia	rs117283768	G	A	-0.065	0.022
Schizophrenia	rs80046943	T	C	-0.092	0.027
Schizophrenia	rs3748338	T	A	0.038	0.141
Schizophrenia	rs138453441	A	G	-0.049	0.030
Schizophrenia	rs6027	C	T	-0.112	0.065
Schizophrenia	rs819417	C	T	-0.036	0.324
Schizophrenia	rs1695	G	A	-0.110	0.330
Schizophrenia	rs112689088	C	T	-0.214	0.099
Schizophrenia	rs2720811	C	T	-0.292	0.279
Schizophrenia	rs2168029	A	C	0.079	0.494
Schizophrenia	rs62059839	T	C	0.072	0.257
Schizophrenia	rs73974697	A	C	-0.035	0.061
Schizophrenia	rs11814337	G	A	0.064	0.112
Schizophrenia	rs17482078	T	C	-0.255	0.224
Schizophrenia	rs288326	A	G	0.029	0.124
Schizophrenia	rs3770102	T	G	0.033	0.398
Schizophrenia	rs6598541	A	G	-0.025	0.342
Schizophrenia	rs8192885	A	G	-0.209	0.079
Schizophrenia	rs6579812	A	G	0.064	0.438
Schizophrenia	rs1491934	A	T	-0.034	0.131
Schizophrenia	rs115240947	C	T	-0.036	0.059

Schizophrenia	rs8192462	G	C	-0.076	0.042
Schizophrenia	rs6935460	G	A	0.107	0.393
Schizophrenia	rs429358	C	T	-0.025	0.158
Schizophrenia	rs3843341	G	A	0.053	0.306
Schizophrenia	rs1536926	G	T	-0.048	0.466
Schizophrenia	rs74695471	G	A	0.034	0.114
Schizophrenia	rs2232346	C	T	0.137	0.024
Schizophrenia	rs383925	T	C	0.084	0.171
Schizophrenia	rs55747335	A	G	-0.042	0.092
Schizophrenia	rs76081968	C	T	0.148	0.047
Schizophrenia	rs35026308	C	T	-0.139	0.199
Schizophrenia	rs4704846	G	A	-0.083	0.190
Schizophrenia	rs141682513	T	C	-0.089	0.014
Schizophrenia	rs429358	C	T	0.027	0.158
Schizophrenia	rs1410142	G	A	-0.046	0.215
Schizophrenia	rs4299540	G	A	0.027	0.320
Schizophrenia	rs429358	C	T	-0.053	0.158
Schizophrenia	rs9348260	G	A	-0.029	0.312
Schizophrenia	rs1535692	A	G	-0.029	0.191
Schizophrenia	rs17679445	A	G	-0.146	0.069
Schizophrenia	rs10252196	T	G	-0.298	0.122
Schizophrenia	rs10399687	T	C	-0.243	0.150
Schizophrenia	rs1293298	C	A	0.023	0.264
Schizophrenia	rs144087152	T	C	-0.102	0.017
Schizophrenia	rs146388670	A	G	-0.057	0.044
Schizophrenia	rs61886516	G	C	0.153	0.022
Schizophrenia	rs3959915	C	T	0.016	0.320
Schizophrenia	rs11581248	T	C	-0.175	0.126
Schizophrenia	rs1678613	C	T	-0.051	0.401
Schizophrenia	rs10827216	A	G	-0.023	0.452
Schizophrenia	rs429358	C	T	0.042	0.158
Schizophrenia	rs62024491	A	G	0.027	0.287
Schizophrenia	rs429358	C	T	-0.077	0.158
Schizophrenia	rs9894560	T	C	-0.035	0.476
Schizophrenia	rs140744220	G	A	0.109	0.014
Schizophrenia	rs57654926	C	A	-0.034	0.134
Schizophrenia	rs34593439	A	G	-0.262	0.107
Schizophrenia	rs3861946	C	A	-0.026	0.480
Schizophrenia	rs486055	T	C	-0.055	0.136
Schizophrenia	rs6598541	A	G	-0.030	0.342
Schizophrenia	rs1939020	G	T	-0.188	0.092
Schizophrenia	rs66817580	T	G	0.264	0.138
Schizophrenia	rs2211687	G	A	-0.101	0.124
Schizophrenia	rs4239242	C	T	-0.025	0.358
Schizophrenia	rs429358	C	T	-0.023	0.158

Bipolar disorder	rs1527973	T	C	0.015	0.469
Bipolar disorder	rs3815343	C	G	0.057	0.304
Bipolar disorder	rs2793833	A	C	-0.049	0.182
Bipolar disorder	rs946259	C	T	0.193	0.456
Bipolar disorder	rs10013836	T	C	-0.031	0.493
Bipolar disorder	rs77001038	G	C	-0.042	0.060
Bipolar disorder	rs704	A	G	0.463	0.452
Bipolar disorder	rs1790683	T	G	-0.024	0.275
Bipolar disorder	rs438811	T	C	-0.105	0.223
Bipolar disorder	rs28472359	C	T	0.093	0.095
Bipolar disorder	rs429358	C	T	-0.027	0.158
Bipolar disorder	rs3218848	A	G	-0.038	0.436
Bipolar disorder	rs12309777	C	G	-0.063	0.064
Bipolar disorder	rs71525496	T	C	0.035	0.102
Bipolar disorder	rs4886747	G	A	0.120	0.195
Bipolar disorder	rs3128117	C	T	0.030	0.393
Bipolar disorder	rs3756011	A	C	0.047	0.393
Bipolar disorder	rs114816329	A	G	-0.065	0.054
Bipolar disorder	rs2237014	G	A	0.044	0.107
Bipolar disorder	rs6439360	G	A	-0.039	0.252
Bipolar disorder	rs2854746	C	G	0.038	0.400
Bipolar disorder	rs2228467	C	T	0.068	0.069
Bipolar disorder	rs4708731	C	T	0.045	0.335
Bipolar disorder	rs78025190	G	C	-0.121	0.017
Bipolar disorder	rs146388670	A	G	-0.059	0.044
Bipolar disorder	rs6444442	A	G	-0.200	0.170
Bipolar disorder	rs962859	C	A	0.027	0.413
Bipolar disorder	rs663763	C	T	0.088	0.406
Bipolar disorder	rs28999107	T	G	-0.019	0.437
Bipolar disorder	rs149352678	T	C	-0.065	0.119
Bipolar disorder	rs10248271	G	T	-0.041	0.223
Bipolar disorder	rs3875145	C	T	-0.040	0.342
Bipolar disorder	rs73120407	A	C	0.129	0.016
Bipolar disorder	rs429358	C	T	-0.062	0.158
Bipolar disorder	rs41301394	T	C	-0.032	0.296
Bipolar disorder	rs12983058	T	G	0.148	0.286
Bipolar disorder	rs72501730	A	G	-0.066	0.116
Bipolar disorder	rs4980680	A	G	0.086	0.168
Bipolar disorder	rs10922147	G	C	-0.215	0.253
Bipolar disorder	rs4778639	G	T	-0.070	0.070
Bipolar disorder	rs2227480	A	G	-0.071	0.195
Bipolar disorder	rs429358	C	T	0.024	0.158
Bipolar disorder	rs8056260	G	A	0.086	0.038
Bipolar disorder	rs9438985	T	G	-0.021	0.453
Bipolar disorder	rs1048328	A	G	-0.242	0.092

Bipolar disorder	rs55747335	A	G	-0.060	0.092
Bipolar disorder	rs288326	A	G	0.082	0.124
Bipolar disorder	rs6690243	T	C	0.031	0.370
Bipolar disorder	rs6598541	A	G	-0.034	0.342
Bipolar disorder	rs11676293	A	G	-0.055	0.336
Bipolar disorder	rs35612883	T	C	0.037	0.123
Bipolar disorder	rs62024491	A	G	0.024	0.287
Bipolar disorder	rs74480769	G	A	-0.134	0.056
Bipolar disorder	rs7222922	T	C	-0.141	0.127
Bipolar disorder	rs9903158	C	T	0.072	0.073
Bipolar disorder	rs78170481	T	C	-0.073	0.229
Bipolar disorder	rs1651888	A	G	0.038	0.292
Bipolar disorder	rs12513710	C	T	-0.047	0.303
Bipolar disorder	rs78248023	A	C	-0.184	0.097
Bipolar disorder	rs1415772	G	C	0.030	0.217
Bipolar disorder	rs11666008	G	C	-0.052	0.195
Bipolar disorder	rs6478109	A	G	-0.059	0.327
Bipolar disorder	rs429358	C	T	0.028	0.158
Bipolar disorder	rs117722264	T	C	0.043	0.062
Bipolar disorder	rs7412	T	C	0.060	0.064
Bipolar disorder	rs2075803	A	G	-1.135	0.413
Bipolar disorder	rs11715364	T	C	0.046	0.070
Bipolar disorder	rs10422720	C	T	-0.058	0.260
Bipolar disorder	rs141257390	C	T	-0.370	0.017
Bipolar disorder	rs72968460	T	G	0.205	0.015
Bipolar disorder	rs854469	G	A	0.138	0.146
Bipolar disorder	rs217184	C	T	0.781	0.216
Bipolar disorder	rs62495697	A	G	-0.053	0.369
Bipolar disorder	rs76187513	T	A	-0.096	0.080
Bipolar disorder	rs2232613	T	C	-0.174	0.074
Bipolar disorder	rs35654957	C	T	0.072	0.380
Bipolar disorder	rs1065757	T	C	-0.070	0.468
Bipolar disorder	rs55967764	T	C	-0.148	0.317
Bipolar disorder	rs28493251	G	A	-0.077	0.085
Bipolar disorder	rs117154637	T	A	-0.122	0.044
Bipolar disorder	rs7964859	G	C	-0.035	0.277
Bipolar disorder	rs1491934	A	T	-0.045	0.131
Bipolar disorder	rs6041	A	G	-0.163	0.113
Bipolar disorder	rs1613662	G	A	0.098	0.144
Bipolar disorder	rs12151621	A	C	0.206	0.234
Bipolar disorder	rs4660144	C	T	-0.021	0.496
Bipolar disorder	rs2275529	A	C	0.115	0.302
Bipolar disorder	rs140237016	T	C	0.134	0.012
Bipolar disorder	rs2071484	C	T	0.049	0.346
Bipolar disorder	rs4591185	T	A	-0.134	0.362

Bipolar disorder	rs4464751	G	T	0.023	0.453
Bipolar disorder	rs12980031	G	T	-0.179	0.230
Bipolar disorder	rs2765501	A	G	0.077	0.402
Bipolar disorder	rs2242001	A	G	-0.086	0.177
Bipolar disorder	rs144087152	T	C	-0.109	0.017
Bipolar disorder	rs1131544	T	C	0.155	0.160
Bipolar disorder	rs71632960	A	G	0.065	0.054
Bipolar disorder	rs11639596	C	A	0.037	0.271
Bipolar disorder	rs8192662	T	A	-0.067	0.033
Bipolar disorder	rs8142888	T	C	-0.037	0.350
Bipolar disorder	rs116495361	G	C	-0.057	0.028
Bipolar disorder	rs7047587	G	A	0.025	0.424
Bipolar disorder	rs256438	G	T	0.040	0.389
Bipolar disorder	rs385143	T	C	0.039	0.342
Bipolar disorder	rs7553867	A	C	-0.021	0.385
Bipolar disorder	rs1654526	A	G	0.132	0.169
Bipolar disorder	rs6699047	C	T	0.105	0.046
Bipolar disorder	rs7166890	T	C	0.035	0.298
Bipolar disorder	rs112332886	A	G	0.537	0.100
Bipolar disorder	rs6598541	A	G	-0.024	0.342
Bipolar disorder	rs17269439	A	C	0.125	0.030
Bipolar disorder	rs13220077	T	G	-0.018	0.241
Bipolar disorder	rs1006027	C	T	-0.030	0.400
Bipolar disorder	rs4725617	A	G	0.133	0.081
Bipolar disorder	rs34849690	A	C	-0.026	0.156
Bipolar disorder	rs2301742	G	T	-0.029	0.489
Bipolar disorder	rs7412	T	C	0.078	0.064
Bipolar disorder	rs740750	G	A	0.220	0.438
Bipolar disorder	rs2365715	G	A	-0.048	0.387
Bipolar disorder	rs2519093	T	C	0.117	0.186
Bipolar disorder	rs4151115	C	T	-0.054	0.130
Bipolar disorder	rs854624	G	T	0.131	0.064
Bipolar disorder	rs6151419	A	G	-0.069	0.160
Bipolar disorder	rs1121789	C	A	-0.026	0.251
Bipolar disorder	rs16910526	C	A	-0.153	0.067
Bipolar disorder	rs11145996	T	C	0.056	0.247
Bipolar disorder	rs2125125	T	C	0.075	0.183
Bipolar disorder	rs2498323	A	G	-0.293	0.083
Bipolar disorder	rs7757934	G	A	0.043	0.234
Bipolar disorder	rs78054403	G	A	-0.035	0.245
Bipolar disorder	rs113181367	T	G	-0.076	0.080
Bipolar disorder	rs2660655	T	C	-0.032	0.227
Bipolar disorder	rs79801780	C	G	-0.161	0.033
Bipolar disorder	rs629849	A	G	0.080	0.135
Bipolar disorder	rs4719764	T	C	0.035	0.331

Bipolar disorder	rs2298209	C	G	0.107	0.014
Bipolar disorder	rs116843064	A	G	-0.063	0.027
Bipolar disorder	rs3825084	G	T	0.164	0.146
Bipolar disorder	rs4865911	G	A	0.035	0.324
Bipolar disorder	rs111304500	A	G	0.019	0.113
Bipolar disorder	rs2148412	C	T	-0.028	0.332
Bipolar disorder	rs7967420	G	A	0.067	0.054
Bipolar disorder	rs62024491	A	G	0.025	0.287
Bipolar disorder	rs9504121	C	G	-0.040	0.125
Bipolar disorder	rs2287327	T	C	-0.034	0.299
Bipolar disorder	rs6830038	C	A	0.027	0.119
Bipolar disorder	rs4129267	T	C	0.112	0.354
Bipolar disorder	rs11236176	C	T	0.036	0.321
Bipolar disorder	rs1138545	T	C	0.214	0.151
Bipolar disorder	rs1561220	A	G	0.034	0.149
Bipolar disorder	rs429358	C	T	0.050	0.158
Bipolar disorder	rs111782199	T	C	-0.200	0.027
Bipolar disorder	rs2229540	G	A	-0.195	0.065
Bipolar disorder	rs6427382	C	T	0.037	0.154
Bipolar disorder	rs80046943	T	C	-0.077	0.027
Bipolar disorder	rs7568913	C	T	0.309	0.500
Bipolar disorder	rs9322103	T	C	0.043	0.115
Bipolar disorder	rs429358	C	T	-0.155	0.158
Bipolar disorder	rs5498	G	A	-0.174	0.464
Bipolar disorder	rs3787023	G	A	0.051	0.498
Bipolar disorder	rs1498761	C	T	0.026	0.441
Bipolar disorder	rs9882740	C	T	-0.286	0.326
Bipolar disorder	rs10901596	A	G	-0.016	0.491
Bipolar disorder	rs11123637	T	C	-0.217	0.356
Bipolar disorder	rs3858096	T	A	-0.024	0.361
Bipolar disorder	rs8521	C	T	0.091	0.262
Bipolar disorder	rs4478150	T	A	-0.020	0.199
Bipolar disorder	rs11603020	C	T	-0.055	0.266
Bipolar disorder	rs3743560	G	A	0.026	0.304
Bipolar disorder	rs5030044	G	A	-0.035	0.105
Bipolar disorder	rs11666008	G	C	-0.054	0.195
Bipolar disorder	rs4613561	C	T	-0.163	0.247
Bipolar disorder	rs114248594	T	C	0.133	0.036
Bipolar disorder	rs7016480	T	C	0.036	0.054
Bipolar disorder	rs72989070	T	C	0.139	0.188
Bipolar disorder	rs55720583	T	C	0.055	0.062
Bipolar disorder	rs115651556	A	G	-0.190	0.018
Bipolar disorder	rs147248452	C	T	-0.054	0.084
Bipolar disorder	rs5030044	G	A	-0.028	0.105
Bipolar disorder	rs7280100	C	T	-0.058	0.036

Bipolar disorder	rs28385609	T	C	-0.166	0.139
Bipolar disorder	rs76098787	C	T	0.049	0.052
Bipolar disorder	rs13100791	A	G	-0.089	0.071
Bipolar disorder	rs72712056	T	C	-0.062	0.233
Bipolar disorder	rs6420914	G	A	0.022	0.307
Bipolar disorder	rs117283768	G	A	-0.065	0.022
Bipolar disorder	rs80046943	T	C	-0.092	0.027
Bipolar disorder	rs3748338	T	A	0.038	0.141
Bipolar disorder	rs138453441	A	G	-0.049	0.030
Bipolar disorder	rs6027	C	T	-0.112	0.065
Bipolar disorder	rs819417	C	T	-0.036	0.324
Bipolar disorder	rs1695	G	A	-0.110	0.330
Bipolar disorder	rs112689088	C	T	-0.214	0.099
Bipolar disorder	rs2720811	C	T	-0.292	0.279
Bipolar disorder	rs2168029	A	C	0.079	0.494
Bipolar disorder	rs62059839	T	C	0.072	0.257
Bipolar disorder	rs73974697	A	C	-0.035	0.061
Bipolar disorder	rs11814337	G	A	0.064	0.112
Bipolar disorder	rs17482078	T	C	-0.255	0.224
Bipolar disorder	rs288326	A	G	0.029	0.124
Bipolar disorder	rs3770102	T	G	0.033	0.398
Bipolar disorder	rs6598541	A	G	-0.025	0.342
Bipolar disorder	rs8192885	A	G	-0.209	0.079
Bipolar disorder	rs6579812	A	G	0.064	0.438
Bipolar disorder	rs1491934	A	T	-0.034	0.131
Bipolar disorder	rs115240947	C	T	-0.036	0.059
Bipolar disorder	rs8192462	G	C	-0.076	0.042
Bipolar disorder	rs6935460	G	A	0.107	0.393
Bipolar disorder	rs429358	C	T	-0.025	0.158
Bipolar disorder	rs3843341	G	A	0.053	0.306
Bipolar disorder	rs1536926	G	T	-0.048	0.466
Bipolar disorder	rs74695471	G	A	0.034	0.114
Bipolar disorder	rs2232346	C	T	0.137	0.024
Bipolar disorder	rs383925	T	C	0.084	0.171
Bipolar disorder	rs55747335	A	G	-0.042	0.092
Bipolar disorder	rs76081968	C	T	0.148	0.047
Bipolar disorder	rs35026308	C	T	-0.139	0.199
Bipolar disorder	rs4704846	G	A	-0.083	0.190
Bipolar disorder	rs141682513	T	C	-0.089	0.014
Bipolar disorder	rs429358	C	T	0.027	0.158
Bipolar disorder	rs1410142	G	A	-0.046	0.215
Bipolar disorder	rs4299540	G	A	0.027	0.320
Bipolar disorder	rs429358	C	T	-0.053	0.158
Bipolar disorder	rs9348260	G	A	-0.029	0.312
Bipolar disorder	rs1535692	A	G	-0.029	0.191

Bipolar disorder	rs17679445	A	G	-0.146	0.069
Bipolar disorder	rs10252196	T	G	-0.298	0.122
Bipolar disorder	rs10399687	T	C	-0.243	0.150
Bipolar disorder	rs1293298	C	A	0.023	0.264
Bipolar disorder	rs144087152	T	C	-0.102	0.017
Bipolar disorder	rs146388670	A	G	-0.057	0.044
Bipolar disorder	rs61886516	G	C	0.153	0.022
Bipolar disorder	rs3959915	C	T	0.016	0.320
Bipolar disorder	rs11581248	T	C	-0.175	0.126
Bipolar disorder	rs1678613	C	T	-0.051	0.401
Bipolar disorder	rs10827216	A	G	-0.023	0.452
Bipolar disorder	rs429358	C	T	0.042	0.158
Bipolar disorder	rs62024491	A	G	0.027	0.287
Bipolar disorder	rs429358	C	T	-0.077	0.158
Bipolar disorder	rs9894560	T	C	-0.035	0.476
Bipolar disorder	rs140744220	G	A	0.109	0.014
Bipolar disorder	rs57654926	C	A	-0.034	0.134
Bipolar disorder	rs34593439	A	G	-0.262	0.107
Bipolar disorder	rs3861946	C	A	-0.026	0.480
Bipolar disorder	rs486055	T	C	-0.055	0.136
Bipolar disorder	rs6598541	A	G	-0.030	0.342
Bipolar disorder	rs1939020	G	T	-0.188	0.092
Bipolar disorder	rs66817580	T	G	0.264	0.138
Bipolar disorder	rs2211687	G	A	-0.101	0.124
Bipolar disorder	rs4239242	C	T	-0.025	0.358
Bipolar disorder	rs429358	C	T	-0.023	0.158

CHR	POS	SE	Pval	Exposure.id
2	123662993	2.77E-03	4.24E-08	X10344.334
19	4247338	4.80E-03	9.22E-30	X11096.57
1	120409578	7.69E-03	3.23E-10	X11102.22
1	203152177	5.02E-03	4.41E-184	X11104.13
4	88830632	5.52E-03	1.68E-08	X13113.7
17	26694861	9.02E-03	3.37E-254	X13125.45
18	28671212	4.07E-03	5.66E-09	X13126.52
19	45416741	5.66E-03	7.26E-64	X13131.5
19	45411941	4.42E-03	1.02E-09	X14120.2
2	102624226	6.77E-03	3.09E-08	X14133.93
12	47951871	1.13E-02	4.37E-08	X14134.49
8	63508777	6.36E-03	3.89E-08	X14136.234
15	76151081	6.10E-03	5.23E-70	X14139.16
1	944564	5.09E-03	6.95E-09	X14151.4
4	187206249	8.06E-03	9.60E-09	X2190.55
4	55584433	7.84E-03	2.35E-08	X2475.1
16	68757769	9.86E-03	4.18E-08	X2501.51
3	132269761	5.92E-03	8.67E-11	X2516.57
7	45960645	6.68E-03	2.51E-08	X2571.12
3	42906116	9.15E-03	2.09E-13	X2578.67
6	168763447	8.14E-03	4.12E-08	X2579.17
7	13092303	2.17E-02	3.24E-08	X2618.10
5	33172008	1.02E-02	1.06E-08	X2625.53
3	190346060	7.32E-03	2.02E-115	X2630.12
21	34648123	3.34E-03	2.10E-15	X2631.50
11	111422217	5.83E-03	2.45E-45	X2635.61
12	6493100	2.99E-03	2.44E-10	X2636.10
7	54920906	7.84E-03	5.74E-16	X2677.1
7	81417306	5.93E-03	8.13E-12	X2681.23
19	41285516	6.86E-03	1.00E-08	X2687.2
19	45411941	4.06E-03	1.02E-46	X2714.78
7	75612803	4.31E-03	1.27E-13	X2731.29
6	150374768	5.23E-03	1.42E-33	X2747.3
11	69523592	8.52E-03	1.42E-22	X2762.30
1	196877689	1.39E-02	5.99E-47	X2768.56
15	81600451	6.60E-03	8.20E-25	X2774.10
12	68648342	4.64E-03	3.62E-46	X2778.10
19	45411941	3.71E-03	3.53E-10	X2794.60
16	67476572	1.37E-02	4.88E-10	X2813.11
1	39367372	3.64E-03	1.22E-08	X2828.82
19	51527364	1.12E-02	3.78E-81	X2831.29
3	124781736	1.03E-02	7.91E-09	X2837.3

2	183703336	7.69E-03	7.74E-25	X2841.13
1	43767268	5.31E-03	1.18E-08	X2844.53
15	99271135	6.08E-03	3.76E-08	X2846.24
2	153624823	9.77E-03	2.07E-08	X2851.63
7	14379828	6.56E-03	3.28E-08	X2855.49
15	99276297	4.07E-03	9.94E-09	X2877.3
5	40972211	1.33E-02	1.77E-22	X2888.49
17	34335694	9.79E-03	4.36E-42	X2900.53
17	34312337	9.52E-03	7.52E-14	X2913.1
1	19964098	1.19E-02	1.27E-09	X2944.66
19	873743	6.60E-03	1.51E-08	X2946.52
5	42650771	6.81E-03	1.59E-11	X2948.58
19	49515171	1.80E-02	4.09E-23	X2953.31
20	33765583	5.27E-03	2.92E-08	X2961.1
19	51226590	6.78E-03	3.24E-14	X2966.65
9	117568766	5.13E-03	8.00E-29	X2968.61
19	45411941	3.31E-03	3.81E-16	X2970.60
19	45412079	5.97E-03	3.83E-22	X3005.5
19	51628529	1.93E-02	2.36E-291	X3007.7
3	119056517	8.19E-03	3.69E-08	X3028.36
19	7789796	6.28E-03	3.38E-19	X3029.52
14	46319421	6.31E-02	6.64E-09	X3032.11
2	180924757	3.64E-02	2.65E-08	X3038.9
17	34389361	1.12E-02	4.83E-32	X3044.3
16	72105965	6.61E-02	8.57E-30	X3054.3
8	11709007	4.29E-03	1.68E-32	X3061.61
14	55636301	6.31E-03	4.81E-46	X3066.12
20	36997655	1.96E-02	4.07E-18	X3074.6
4	1010077	5.24E-03	2.71E-38	X3169.70
5	78181477	3.63E-03	8.74E-68	X3172.28
4	76840780	6.64E-03	8.96E-86	X3173.49
9	136243270	1.27E-02	2.32E-09	X3175.51
17	58234154	1.32E-02	2.64E-19	X3177.49
12	102220783	5.54E-03	5.48E-10	X3179.51
13	113772707	9.91E-03	2.96E-52	X3184.25
19	55536595	9.31E-03	3.38E-24	X3194.36
2	85934499	1.39E-02	4.70E-44	X3195.50
5	83200291	7.11E-03	1.06E-121	X3196.6
1	236163904	3.51E-03	4.08E-09	X3213.65
1	207119853	1.48E-02	3.48E-14	X3216.2
19	11688460	4.71E-03	1.73E-23	X3232.28
17	48909434	5.93E-03	3.62E-87	X3235.50
6	74417567	4.06E-03	1.06E-08	X3290.50
19	7764436	9.63E-03	7.15E-64	X3291.30
1	157804648	1.11E-02	7.17E-12	X3293.2

1	205031744	5.79E-03	6.55E-44	X3296.92
14	70847102	1.96E-02	3.51E-08	X3298.52
11	65779590	6.88E-03	5.26E-87	X3303.23
1	161516360	1.11E-02	6.49E-09	X3311.27
16	9370690	6.47E-03	1.51E-08	X3312.64
10	118030415	1.18E-02	1.61E-08	X3314.74
22	21266466	5.39E-03	1.99E-11	X3316.58
6	156832940	9.75E-03	8.62E-09	X3322.52
9	94655021	4.30E-03	1.01E-08	X3339.33
5	79366249	4.74E-03	3.03E-16	X3340.53
15	91369012	6.98E-03	2.78E-08	X3365.7
1	150472869	3.44E-03	2.85E-09	X3366.51
1	204144934	1.69E-02	8.44E-10	X3396.54
15	99254194	6.19E-03	3.06E-08	X3397.7
15	99271135	4.24E-03	3.57E-08	X3405.6
6	7917934	3.32E-03	4.05E-08	X3418.12
9	117691313	4.30E-03	3.16E-12	X3421.54
7	143097100	8.57E-03	1.03E-47	X3431.54
2	65201517	4.60E-03	2.70E-08	X3435.53
19	675513	4.00E-03	5.80E-13	X3438.10
19	45412079	6.86E-03	5.92E-28	X3450.4
13	38130539	1.28E-02	8.73E-24	X3457.57
5	149515074	4.51E-03	1.60E-241	X3459.49
9	136141870	1.10E-02	1.35E-24	X3470.1
16	57391748	9.24E-03	6.26E-09	X3508.78
17	34327923	9.77E-03	3.58E-37	X3509.1
22	51064915	7.24E-03	2.49E-20	X3583.54
1	169503616	3.96E-03	4.09E-11	X3592.4
12	10271087	8.03E-03	8.92E-67	X3603.60
9	140004341	3.73E-03	3.68E-45	X3608.12
3	142600087	6.05E-03	1.56E-32	X3611.70
4	3451109	1.55E-02	6.00E-66	X3617.80
6	6578927	3.99E-03	9.74E-26	X3623.84
14	52497383	3.66E-03	1.46E-20	X3633.70
12	10330687	1.01E-02	2.39E-13	X3636.37
5	169832521	5.62E-03	2.34E-08	X3646.7
6	160494409	5.90E-03	2.03E-37	X3676.15
7	24362530	6.18E-03	2.14E-08	X3727.35
1	1146785	1.89E-02	1.84E-08	X3730.81
19	8429323	1.05E-02	2.85E-09	X3796.79
12	53593931	2.87E-02	1.54E-08	X3799.11
5	54324920	5.69E-03	1.85E-09	X3805.16
13	46595849	4.74E-03	3.67E-09	X3822.54
12	85266858	1.22E-02	4.87E-08	X3827.22
15	99276297	4.36E-03	8.79E-09	X3872.2

6	4477732	7.11E-03	3.15E-08	X3887.90
2	71297982	3.92E-03	1.60E-17	X3894.15
4	179647427	4.79E-03	3.16E-08	X3902.21
1	154426264	4.40E-03	6.46E-105	X4139.71
11	74334348	6.41E-03	3.31E-08	X4151.6
9	117835899	7.70E-03	1.32E-118	X4155.3
16	55504568	4.21E-03	1.67E-15	X4160.49
19	45411941	7.32E-03	1.40E-11	X4179.57
1	10463467	2.04E-02	2.47E-21	X4187.49
1	46032311	1.10E-02	1.02E-59	X4192.10
3	194952428	1.34E-02	1.24E-08	X4232.19
2	102920037	8.02E-03	6.29E-184	X4234.8
6	147988029	7.39E-03	9.97E-09	X4271.75
11	13958485	4.30E-03	2.96E-10	X4297.62
19	45411941	2.79E-02	3.72E-08	X4337.49
19	10395683	3.49E-03	7.16E-247	X4342.10
19	18498246	6.34E-03	2.66E-15	X4374.45
12	115979280	4.69E-03	3.45E-08	X4397.26
3	49702484	1.17E-02	7.22E-97	X4407.10
10	128021575	2.82E-03	7.70E-09	X4420.7
2	3654190	7.25E-03	2.82E-132	X4430.44
9	94941278	4.24E-03	1.56E-08	X4436.1
11	117067699	4.27E-03	9.98E-80	X4459.68
4	88463733	3.52E-03	9.31E-09	X4467.49
11	57374332	5.82E-03	4.01E-20	X4479.14
16	58036347	4.58E-03	3.15E-08	X4487.1
3	186449122	6.27E-03	4.90E-08	X4495.33
19	51226590	6.83E-03	9.16E-15	X4500.50
4	15737890	5.90E-03	7.25E-118	X4535.50
11	125842389	1.18E-02	2.32E-27	X4541.49
8	101811390	6.57E-03	4.31E-08	X4542.24
19	5895358	7.03E-03	2.33E-71	X4549.78
6	6661837	9.38E-03	8.49E-09	X4557.61
11	134222792	9.68E-03	3.72E-08	X4588.1
3	186449122	4.78E-03	5.99E-09	X4703.87
21	43742367	1.04E-02	3.22E-08	X4721.54
6	123122464	6.80E-03	5.06E-98	X4771.10
9	124047836	7.70E-03	4.60E-10	X4775.34
3	49641049	7.72E-03	1.14E-28	X4815.25
1	169642515	4.75E-03	8.46E-36	X4831.4
14	84928445	3.97E-03	4.26E-08	X4834.61
10	127730099	1.18E-02	4.47E-08	X4840.73
3	194952428	1.62E-02	1.75E-08	X4866.59
14	21167576	6.29E-03	2.39E-09	X4874.3
18	31519059	8.77E-03	2.61E-08	X4905.63

1	169483561	1.24E-02	1.34E-18	X4906.35
1	236694904	3.73E-03	3.05E-21	X4909.68
11	67352689	5.28E-03	1.01E-76	X4911.49
17	34307457	1.26E-02	4.88E-55	X4913.78
8	3648320	5.21E-02	2.75E-08	X4915.64
12	69734641	4.47E-03	5.61E-59	X4920.10
17	7533015	1.17E-02	1.23E-09	X4929.55
17	10195328	6.33E-03	3.19E-08	X4957.1
10	14904654	6.14E-03	4.58E-24	X4962.52
5	96118866	1.01E-02	2.56E-103	X4964.67
2	183703336	4.16E-03	1.11E-11	X4967.1
2	85637837	5.16E-03	2.38E-10	X4968.50
15	99271135	4.60E-03	4.82E-08	X4976.57
13	47364900	1.12E-02	1.37E-64	X4984.83
5	150306969	1.11E-02	1.40E-08	X4989.7
1	234046376	6.54E-03	4.25E-08	X5001.6
9	130630749	1.25E-02	1.97E-09	X5012.67
6	46702810	5.17E-03	1.41E-76	X5015.15
19	45411941	4.25E-03	3.39E-09	X5020.50
2	152208537	7.98E-03	4.71E-11	X5036.50
9	5463988	4.34E-03	5.90E-27	X5060.62
12	26604459	5.85E-03	9.30E-09	X5068.54
3	53892830	1.82E-02	1.10E-13	X5084.154
19	54783521	5.58E-03	1.39E-45	X5091.28
3	124781736	7.67E-03	4.38E-08	X5092.51
17	1547925	1.42E-02	5.45E-24	X5129.12
5	156513344	6.67E-03	2.26E-32	X5134.52
19	45411941	3.95E-03	2.05E-11	X5312.49
1	230828438	4.94E-03	1.60E-19	X5340.24
4	166335801	4.54E-03	4.68E-09	X5343.74
19	45411941	5.55E-03	8.14E-21	X5345.51
6	170516123	5.13E-03	3.44E-08	X5349.69
13	95034749	4.83E-03	2.31E-09	X5350.14
17	46022065	9.75E-03	8.41E-45	X5354.11
7	83021583	1.41E-02	1.20E-78	X5363.51
1	66073982	5.49E-03	3.10E-213	X5400.52
8	11712443	4.08E-03	3.28E-08	X5457.5
14	70847102	1.84E-02	4.09E-08	X5464.52
5	33172008	9.94E-03	1.45E-08	X5467.15
3	9902534	3.19E-03	2.52E-08	X5468.67
7	136971270	2.77E-03	1.45E-08	X5486.73
1	160720074	1.01E-02	4.51E-57	X5487.7
10	73866511	5.05E-03	1.95E-22	X5491.12
10	33509513	3.96E-03	8.48E-09	X5542.22
19	45411941	6.38E-03	9.14E-11	X5858.6

15	99276297	4.72E-03	1.55E-08	X5864.10
19	45411941	4.07E-03	1.70E-66	X5918.5
17	8938648	4.66E-03	7.65E-14	X6649.51
17	11678177	6.03E-03	3.53E-08	X8464.31
15	79234957	1.15E-02	2.03E-88	X8465.52
1	64383389	4.62E-03	2.27E-08	X8474.6
11	102650424	7.90E-03	8.14E-12	X8479.4
15	99271135	5.26E-03	2.42E-08	X9169.14
11	102590717	1.05E-02	3.25E-60	X9172.69
21	42689637	7.12E-03	5.26E-175	X9177.6
21	34698807	5.43E-03	4.03E-64	X9183.7
17	25974258	3.19E-03	6.40E-15	X9197.4
19	45411941	2.94E-03	7.34E-15	X9199.6
2	123662993	2.77E-03	4.24E-08	X10344.334
19	4247338	4.80E-03	9.22E-30	X11096.57
1	120409578	7.69E-03	3.23E-10	X11102.22
1	203152177	5.02E-03	4.41E-184	X11104.13
4	88830632	5.52E-03	1.68E-08	X13113.7
19	13778585	7.58E-03	3.87E-08	X13119.26
17	26694861	9.02E-03	3.37E-254	X13125.45
18	28671212	4.07E-03	5.66E-09	X13126.52
19	45416741	5.66E-03	7.26E-64	X13131.5
1	153528079	1.40E-02	6.29E-11	X14116.129
19	45411941	4.42E-03	1.02E-09	X14120.2
2	102624226	6.77E-03	3.09E-08	X14133.93
12	47951871	1.13E-02	4.37E-08	X14134.49
8	63508777	6.36E-03	3.89E-08	X14136.234
15	76151081	6.10E-03	5.23E-70	X14139.16
1	944564	5.09E-03	6.95E-09	X14151.4
4	187206249	8.06E-03	9.60E-09	X2190.55
5	150944463	1.18E-02	4.49E-08	X2443.10
4	55584433	7.84E-03	2.35E-08	X2475.1
16	68757769	9.86E-03	4.18E-08	X2501.51
3	132269761	5.92E-03	8.67E-11	X2516.57
7	45960645	6.68E-03	2.51E-08	X2571.12
3	42906116	9.15E-03	2.09E-13	X2578.67
6	168763447	8.14E-03	4.12E-08	X2579.17
7	13092303	2.17E-02	3.24E-08	X2618.10
5	33172008	1.02E-02	1.06E-08	X2625.53
3	190346060	7.32E-03	2.02E-115	X2630.12
21	34648123	3.34E-03	2.10E-15	X2631.50
11	111422217	5.83E-03	2.45E-45	X2635.61
12	6493100	2.99E-03	2.44E-10	X2636.10
7	54920906	7.84E-03	5.74E-16	X2677.1
7	81417306	5.93E-03	8.13E-12	X2681.23

19	41285516	6.86E-03	1.00E-08	X2687.2
20	20320507	2.29E-02	2.33E-08	X2697.7
19	45411941	4.06E-03	1.02E-46	X2714.78
7	75612803	4.31E-03	1.27E-13	X2731.29
19	51642784	5.49E-03	5.29E-114	X2742.68
6	150374768	5.23E-03	1.42E-33	X2747.3
11	69523592	8.52E-03	1.42E-22	X2762.30
1	196877689	1.39E-02	5.99E-47	X2768.56
15	81600451	6.60E-03	8.20E-25	X2774.10
12	68648342	4.64E-03	3.62E-46	X2778.10
19	45411941	3.71E-03	3.53E-10	X2794.60
16	67476572	1.37E-02	4.88E-10	X2813.11
1	39367372	3.64E-03	1.22E-08	X2828.82
19	51527364	1.12E-02	3.78E-81	X2831.29
3	124781736	1.03E-02	7.91E-09	X2837.3
2	183703336	7.69E-03	7.74E-25	X2841.13
1	43767268	5.31E-03	1.18E-08	X2844.53
15	99271135	6.08E-03	3.76E-08	X2846.24
2	153624823	9.77E-03	2.07E-08	X2851.63
7	14379828	6.56E-03	3.28E-08	X2855.49
15	99276297	4.07E-03	9.94E-09	X2877.3
5	40972211	1.33E-02	1.77E-22	X2888.49
17	34335694	9.79E-03	4.36E-42	X2900.53
17	34312337	9.52E-03	7.52E-14	X2913.1
1	19964098	1.19E-02	1.27E-09	X2944.66
19	873743	6.60E-03	1.51E-08	X2946.52
5	42650771	6.81E-03	1.59E-11	X2948.58
19	49515171	1.80E-02	4.09E-23	X2953.31
20	33765583	5.27E-03	2.92E-08	X2961.1
19	51226590	6.78E-03	3.24E-14	X2966.65
9	117568766	5.13E-03	8.00E-29	X2968.61
19	45411941	3.31E-03	3.81E-16	X2970.60
11	23189583	7.78E-03	4.35E-08	X2972.57
19	45412079	5.97E-03	3.83E-22	X3005.5
19	51628529	1.93E-02	2.36E-291	X3007.7
3	119056517	8.19E-03	3.69E-08	X3028.36
19	7789796	6.28E-03	3.38E-19	X3029.52
14	46319421	6.31E-02	6.64E-09	X3032.11
2	180924757	3.64E-02	2.65E-08	X3038.9
1	99084822	6.72E-02	2.42E-08	X3042.7
17	34389361	1.12E-02	4.83E-32	X3044.3
16	72105965	6.61E-02	8.57E-30	X3054.3
8	11709007	4.29E-03	1.68E-32	X3061.61
14	55636301	6.31E-03	4.81E-46	X3066.12
20	36997655	1.96E-02	4.07E-18	X3074.6

4	1010077	5.24E-03	2.71E-38	X3169.70
5	78181477	3.63E-03	8.74E-68	X3172.28
4	76840780	6.64E-03	8.96E-86	X3173.49
9	136243270	1.27E-02	2.32E-09	X3175.51
17	58234154	1.32E-02	2.64E-19	X3177.49
12	102220783	5.54E-03	5.48E-10	X3179.51
12	40596166	7.00E-03	1.59E-10	X3182.38
13	113772707	9.91E-03	2.96E-52	X3184.25
19	55536595	9.31E-03	3.38E-24	X3194.36
2	85934499	1.39E-02	4.70E-44	X3195.50
5	83200291	7.11E-03	1.06E-121	X3196.6
1	236163904	3.51E-03	4.08E-09	X3213.65
1	207119853	1.48E-02	3.48E-14	X3216.2
19	12353395	2.14E-02	6.52E-10	X3220.40
19	11688460	4.71E-03	1.73E-23	X3232.28
17	48909434	5.93E-03	3.62E-87	X3235.50
6	74417567	4.06E-03	1.06E-08	X3290.50
19	7764436	9.63E-03	7.15E-64	X3291.30
1	157804648	1.11E-02	7.17E-12	X3293.2
1	205031744	5.79E-03	6.55E-44	X3296.92
14	70847102	1.96E-02	3.51E-08	X3298.52
11	65779590	6.88E-03	5.26E-87	X3303.23
1	161516360	1.11E-02	6.49E-09	X3311.27
16	9370690	6.47E-03	1.51E-08	X3312.64
10	118030415	1.18E-02	1.61E-08	X3314.74
22	21266466	5.39E-03	1.99E-11	X3316.58
6	156832940	9.75E-03	8.62E-09	X3322.52
9	94655021	4.30E-03	1.01E-08	X3339.33
5	79366249	4.74E-03	3.03E-16	X3340.53
15	91369012	6.98E-03	2.78E-08	X3365.7
1	150472869	3.44E-03	2.85E-09	X3366.51
19	51482459	9.70E-03	6.22E-38	X3378.49
1	204144934	1.69E-02	8.44E-10	X3396.54
15	99254194	6.19E-03	3.06E-08	X3397.7
16	1288563	2.13E-02	1.64E-103	X3403.1
15	99271135	4.24E-03	3.57E-08	X3405.6
15	59063144	2.03E-02	1.23E-09	X3416.2
6	7917934	3.32E-03	4.05E-08	X3418.12
9	117691313	4.30E-03	3.16E-12	X3421.54
7	143097100	8.57E-03	1.03E-47	X3431.54
2	65201517	4.60E-03	2.70E-08	X3435.53
19	675513	4.00E-03	5.80E-13	X3438.10
19	45412079	6.86E-03	5.92E-28	X3450.4
13	38130539	1.28E-02	8.73E-24	X3457.57
5	149515074	4.51E-03	1.60E-241	X3459.49

1	156615114	5.85E-03	6.76E-16	X3461.58
16	57391748	9.24E-03	6.26E-09	X3508.78
17	34327923	9.77E-03	3.58E-37	X3509.1
22	51064915	7.24E-03	2.49E-20	X3583.54
1	169503616	3.96E-03	4.09E-11	X3592.4
12	10271087	8.03E-03	8.92E-67	X3603.60
9	140004341	3.73E-03	3.68E-45	X3608.12
3	142600087	6.05E-03	1.56E-32	X3611.70
4	3451109	1.55E-02	6.00E-66	X3617.80
6	6578927	3.99E-03	9.74E-26	X3623.84
14	52497383	3.66E-03	1.46E-20	X3633.70
12	10330687	1.01E-02	2.39E-13	X3636.37
5	169832521	5.62E-03	2.34E-08	X3646.7
1	197001919	2.19E-02	5.84E-13	X3666.17
6	160494409	5.90E-03	2.03E-37	X3676.15
7	24362530	6.18E-03	2.14E-08	X3727.35
1	1146785	1.89E-02	1.84E-08	X3730.81
19	8429323	1.05E-02	2.85E-09	X3796.79
12	53593931	2.87E-02	1.54E-08	X3799.11
5	54324920	5.69E-03	1.85E-09	X3805.16
14	61234523	3.50E-03	3.64E-08	X3813.3
13	46595849	4.74E-03	3.67E-09	X3822.54
12	85266858	1.22E-02	4.87E-08	X3827.22
15	99276297	4.36E-03	8.79E-09	X3872.2
6	4477732	7.11E-03	3.15E-08	X3887.90
2	71297982	3.92E-03	1.60E-17	X3894.15
4	179647427	4.79E-03	3.16E-08	X3902.21
1	154426264	4.40E-03	6.46E-105	X4139.71
11	74334348	6.41E-03	3.31E-08	X4151.6
9	117835899	7.70E-03	1.32E-118	X4155.3
16	55504568	4.21E-03	1.67E-15	X4160.49
19	45411941	7.32E-03	1.40E-11	X4179.57
1	10463467	2.04E-02	2.47E-21	X4187.49
1	46032311	1.10E-02	1.02E-59	X4192.10
1	157478463	6.52E-03	2.73E-08	X4203.50
3	194952428	1.34E-02	1.24E-08	X4232.19
2	102920037	8.02E-03	6.29E-184	X4234.8
6	147988029	7.39E-03	9.97E-09	X4271.75
11	13958485	4.30E-03	2.96E-10	X4297.62
19	45411941	2.79E-02	3.72E-08	X4337.49
19	10395683	3.49E-03	7.16E-247	X4342.10
19	18498246	6.34E-03	2.66E-15	X4374.45
12	115979280	4.69E-03	3.45E-08	X4397.26
3	49702484	1.17E-02	7.22E-97	X4407.10
10	128021575	2.82E-03	7.70E-09	X4420.7

2	3654190	7.25E-03	2.82E-132	X4430.44
9	94941278	4.24E-03	1.56E-08	X4436.1
11	117067699	4.27E-03	9.98E-80	X4459.68
4	88463733	3.52E-03	9.31E-09	X4467.49
11	57374332	5.82E-03	4.01E-20	X4479.14
16	58036347	4.58E-03	3.15E-08	X4487.1
3	186449122	6.27E-03	4.90E-08	X4495.33
19	51226590	6.83E-03	9.16E-15	X4500.50
4	15737890	5.90E-03	7.25E-118	X4535.50
11	125842389	1.18E-02	2.32E-27	X4541.49
8	101811390	6.57E-03	4.31E-08	X4542.24
19	5895358	7.03E-03	2.33E-71	X4549.78
6	6661837	9.38E-03	8.49E-09	X4557.61
12	94613898	3.36E-02	2.19E-08	X4564.2
11	134222792	9.68E-03	3.72E-08	X4588.1
3	186449122	4.78E-03	5.99E-09	X4703.87
21	43742367	1.04E-02	3.22E-08	X4721.54
6	123122464	6.80E-03	5.06E-98	X4771.10
9	124047836	7.70E-03	4.60E-10	X4775.34
3	49641049	7.72E-03	1.14E-28	X4815.25
1	169642515	4.75E-03	8.46E-36	X4831.4
14	84928445	3.97E-03	4.26E-08	X4834.61
10	127730099	1.18E-02	4.47E-08	X4840.73
3	194952428	1.62E-02	1.75E-08	X4866.59
14	21167576	6.29E-03	2.39E-09	X4874.3
18	31519059	8.77E-03	2.61E-08	X4905.63
1	169483561	1.24E-02	1.34E-18	X4906.35
1	236694904	3.73E-03	3.05E-21	X4909.68
11	67352689	5.28E-03	1.01E-76	X4911.49
17	34307457	1.26E-02	4.88E-55	X4913.78
8	3648320	5.21E-02	2.75E-08	X4915.64
12	69734641	4.47E-03	5.61E-59	X4920.10
17	7533015	1.17E-02	1.23E-09	X4929.55
17	10195328	6.33E-03	3.19E-08	X4957.1
10	14904654	6.14E-03	4.58E-24	X4962.52
5	96118866	1.01E-02	2.56E-103	X4964.67
2	183703336	4.16E-03	1.11E-11	X4967.1
2	85637837	5.16E-03	2.38E-10	X4968.50
20	57602212	2.66E-02	3.60E-08	X4971.1
15	99271135	4.60E-03	4.82E-08	X4976.57
13	47364900	1.12E-02	1.37E-64	X4984.83
5	150306969	1.11E-02	1.40E-08	X4989.7
12	40596166	6.01E-03	1.43E-08	X4992.49
1	234046376	6.54E-03	4.25E-08	X5001.6
9	130630749	1.25E-02	1.97E-09	X5012.67

6	46702810	5.17E-03	1.41E-76	X5015.15
19	45411941	4.25E-03	3.39E-09	X5020.50
2	152208537	7.98E-03	4.71E-11	X5036.50
9	5463988	4.34E-03	5.90E-27	X5060.62
12	26604459	5.85E-03	9.30E-09	X5068.54
3	53892830	1.82E-02	1.10E-13	X5084.154
19	54783521	5.58E-03	1.39E-45	X5091.28
3	124781736	7.67E-03	4.38E-08	X5092.51
17	1547925	1.42E-02	5.45E-24	X5129.12
19	14153293	7.10E-03	1.18E-69	X5132.71
5	156513344	6.67E-03	2.26E-32	X5134.52
1	25290698	1.58E-02	2.72E-08	X5245.40
19	45411941	3.95E-03	2.05E-11	X5312.49
1	230828438	4.94E-03	1.60E-19	X5340.24
4	166335801	4.54E-03	4.68E-09	X5343.74
19	45411941	5.55E-03	8.14E-21	X5345.51
6	170516123	5.13E-03	3.44E-08	X5349.69
13	95034749	4.83E-03	2.31E-09	X5350.14
17	46022065	9.75E-03	8.41E-45	X5354.11
7	83021583	1.41E-02	1.20E-78	X5363.51
1	66073982	5.49E-03	3.10E-213	X5400.52
8	11712443	4.08E-03	3.28E-08	X5457.5
14	70847102	1.84E-02	4.09E-08	X5464.52
5	33172008	9.94E-03	1.45E-08	X5467.15
3	9902534	3.19E-03	2.52E-08	X5468.67
11	49229435	1.55E-02	1.51E-21	X5478.50
7	136971270	2.77E-03	1.45E-08	X5486.73
1	160720074	1.01E-02	4.51E-57	X5487.7
10	73866511	5.05E-03	1.95E-22	X5491.12
10	33509513	3.96E-03	8.48E-09	X5542.22
22	37095695	2.41E-03	2.09E-08	X5801.72
19	45411941	6.38E-03	9.14E-11	X5858.6
15	99276297	4.72E-03	1.55E-08	X5864.10
19	45411941	4.07E-03	1.70E-66	X5918.5
17	8938648	4.66E-03	7.65E-14	X6649.51
7	82890688	1.97E-02	4.59E-08	X7660.21
17	11678177	6.03E-03	3.53E-08	X8464.31
15	79234957	1.15E-02	2.03E-88	X8465.52
1	64383389	4.62E-03	2.27E-08	X8474.6
11	102650424	7.90E-03	8.14E-12	X8479.4
15	99271135	5.26E-03	2.42E-08	X9169.14
11	102590717	1.05E-02	3.25E-60	X9172.69
21	42689637	7.12E-03	5.26E-175	X9177.6
21	34698807	5.43E-03	4.03E-64	X9183.7
17	25974258	3.19E-03	6.40E-15	X9197.4

19	45411941	2.94E-03	7.34E-15	X9199.6
2	123662993	2.77E-03	4.24E-08	X10344.334
19	4247338	4.80E-03	9.22E-30	X11096.57
1	120409578	7.69E-03	3.23E-10	X11102.22
1	203152177	5.02E-03	4.41E-184	X11104.13
4	88830632	5.52E-03	1.68E-08	X13113.7
19	13778585	7.58E-03	3.87E-08	X13119.26
17	26694861	9.02E-03	3.37E-254	X13125.45
18	28671212	4.07E-03	5.66E-09	X13126.52
19	45416741	5.66E-03	7.26E-64	X13131.5
19	45411941	4.42E-03	1.02E-09	X14120.2
2	102624226	6.77E-03	3.09E-08	X14133.93
12	47951871	1.13E-02	4.37E-08	X14134.49
8	63508777	6.36E-03	3.89E-08	X14136.234
15	76151081	6.10E-03	5.23E-70	X14139.16
1	944564	5.09E-03	6.95E-09	X14151.4
4	187206249	8.06E-03	9.60E-09	X2190.55
4	55584433	7.84E-03	2.35E-08	X2475.1
3	132269761	5.92E-03	8.67E-11	X2516.57
7	45960645	6.68E-03	2.51E-08	X2571.12
3	42906116	9.15E-03	2.09E-13	X2578.67
6	168763447	8.14E-03	4.12E-08	X2579.17
7	13092303	2.17E-02	3.24E-08	X2618.10
3	190346060	7.32E-03	2.02E-115	X2630.12
21	34648123	3.34E-03	2.10E-15	X2631.50
11	111422217	5.83E-03	2.45E-45	X2635.61
12	6493100	2.99E-03	2.44E-10	X2636.10
7	54920906	7.84E-03	5.74E-16	X2677.1
7	81417306	5.93E-03	8.13E-12	X2681.23
19	41285516	6.86E-03	1.00E-08	X2687.2
19	45411941	4.06E-03	1.02E-46	X2714.78
7	75612803	4.31E-03	1.27E-13	X2731.29
6	150374768	5.23E-03	1.42E-33	X2747.3
11	69523592	8.52E-03	1.42E-22	X2762.30
1	196877689	1.39E-02	5.99E-47	X2768.56
15	81600451	6.60E-03	8.20E-25	X2774.10
12	68648342	4.64E-03	3.62E-46	X2778.10
19	45411941	3.71E-03	3.53E-10	X2794.60
16	67476572	1.37E-02	4.88E-10	X2813.11
1	39367372	3.64E-03	1.22E-08	X2828.82
19	51527364	1.12E-02	3.78E-81	X2831.29
3	124781736	1.03E-02	7.91E-09	X2837.3
2	183703336	7.69E-03	7.74E-25	X2841.13
1	43767268	5.31E-03	1.18E-08	X2844.53
15	99271135	6.08E-03	3.76E-08	X2846.24

2	153624823	9.77E-03	2.07E-08	X2851.63
7	14379828	6.56E-03	3.28E-08	X2855.49
15	99276297	4.07E-03	9.94E-09	X2877.3
5	40972211	1.33E-02	1.77E-22	X2888.49
17	34335694	9.79E-03	4.36E-42	X2900.53
17	34312337	9.52E-03	7.52E-14	X2913.1
1	19964098	1.19E-02	1.27E-09	X2944.66
5	42650771	6.81E-03	1.59E-11	X2948.58
20	33765583	5.27E-03	2.92E-08	X2961.1
9	117568766	5.13E-03	8.00E-29	X2968.61
19	45411941	3.31E-03	3.81E-16	X2970.60
19	45412079	5.97E-03	3.83E-22	X3005.5
19	51628529	1.93E-02	2.36E-291	X3007.7
3	119056517	8.19E-03	3.69E-08	X3028.36
19	7789796	6.28E-03	3.38E-19	X3029.52
14	46319421	6.31E-02	6.64E-09	X3032.11
2	180924757	3.64E-02	2.65E-08	X3038.9
17	34389361	1.12E-02	4.83E-32	X3044.3
16	72105965	6.61E-02	8.57E-30	X3054.3
8	11709007	4.29E-03	1.68E-32	X3061.61
14	55636301	6.31E-03	4.81E-46	X3066.12
20	36997655	1.96E-02	4.07E-18	X3074.6
4	1010077	5.24E-03	2.71E-38	X3169.70
5	78181477	3.63E-03	8.74E-68	X3172.28
4	76840780	6.64E-03	8.96E-86	X3173.49
9	136243270	1.27E-02	2.32E-09	X3175.51
17	58234154	1.32E-02	2.64E-19	X3177.49
12	102220783	5.54E-03	5.48E-10	X3179.51
12	40596166	7.00E-03	1.59E-10	X3182.38
13	113772707	9.91E-03	2.96E-52	X3184.25
19	55536595	9.31E-03	3.38E-24	X3194.36
2	85934499	1.39E-02	4.70E-44	X3195.50
1	236163904	3.51E-03	4.08E-09	X3213.65
1	207119853	1.48E-02	3.48E-14	X3216.2
19	11688460	4.71E-03	1.73E-23	X3232.28
17	48909434	5.93E-03	3.62E-87	X3235.50
6	74417567	4.06E-03	1.06E-08	X3290.50
1	157804648	1.11E-02	7.17E-12	X3293.2
1	205031744	5.79E-03	6.55E-44	X3296.92
14	70847102	1.96E-02	3.51E-08	X3298.52
11	65779590	6.88E-03	5.26E-87	X3303.23
1	161516360	1.11E-02	6.49E-09	X3311.27
16	9370690	6.47E-03	1.51E-08	X3312.64
10	118030415	1.18E-02	1.61E-08	X3314.74
22	21266466	5.39E-03	1.99E-11	X3316.58

6	156832940	9.75E-03	8.62E-09	X3322.52
9	94655021	4.30E-03	1.01E-08	X3339.33
5	79366249	4.74E-03	3.03E-16	X3340.53
15	91369012	6.98E-03	2.78E-08	X3365.7
1	150472869	3.44E-03	2.85E-09	X3366.51
1	204144934	1.69E-02	8.44E-10	X3396.54
15	99254194	6.19E-03	3.06E-08	X3397.7
15	99271135	4.24E-03	3.57E-08	X3405.6
15	59063144	2.03E-02	1.23E-09	X3416.2
6	7917934	3.32E-03	4.05E-08	X3418.12
9	117691313	4.30E-03	3.16E-12	X3421.54
7	143097100	8.57E-03	1.03E-47	X3431.54
2	65201517	4.60E-03	2.70E-08	X3435.53
19	45412079	6.86E-03	5.92E-28	X3450.4
5	149515074	4.51E-03	1.60E-241	X3459.49
16	57391748	9.24E-03	6.26E-09	X3508.78
17	34327923	9.77E-03	3.58E-37	X3509.1
22	51064915	7.24E-03	2.49E-20	X3583.54
1	169503616	3.96E-03	4.09E-11	X3592.4
12	10271087	8.03E-03	8.92E-67	X3603.60
9	140004341	3.73E-03	3.68E-45	X3608.12
3	142600087	6.05E-03	1.56E-32	X3611.70
6	6578927	3.99E-03	9.74E-26	X3623.84
14	52497383	3.66E-03	1.46E-20	X3633.70
12	10330687	1.01E-02	2.39E-13	X3636.37
5	169832521	5.62E-03	2.34E-08	X3646.7
1	197001919	2.19E-02	5.84E-13	X3666.17
6	160494409	5.90E-03	2.03E-37	X3676.15
7	24362530	6.18E-03	2.14E-08	X3727.35
19	8429323	1.05E-02	2.85E-09	X3796.79
12	53593931	2.87E-02	1.54E-08	X3799.11
5	54324920	5.69E-03	1.85E-09	X3805.16
14	61234523	3.50E-03	3.64E-08	X3813.3
13	46595849	4.74E-03	3.67E-09	X3822.54
12	85266858	1.22E-02	4.87E-08	X3827.22
15	99276297	4.36E-03	8.79E-09	X3872.2
6	4477732	7.11E-03	3.15E-08	X3887.90
2	71297982	3.92E-03	1.60E-17	X3894.15
4	179647427	4.79E-03	3.16E-08	X3902.21
1	154426264	4.40E-03	6.46E-105	X4139.71
11	74334348	6.41E-03	3.31E-08	X4151.6
9	117835899	7.70E-03	1.32E-118	X4155.3
16	55504568	4.21E-03	1.67E-15	X4160.49
19	45411941	7.32E-03	1.40E-11	X4179.57
1	10463467	2.04E-02	2.47E-21	X4187.49

1	46032311	1.10E-02	1.02E-59	X4192.10
3	194952428	1.34E-02	1.24E-08	X4232.19
2	102920037	8.02E-03	6.29E-184	X4234.8
6	147988029	7.39E-03	9.97E-09	X4271.75
19	45411941	2.79E-02	3.72E-08	X4337.49
19	10395683	3.49E-03	7.16E-247	X4342.10
19	18498246	6.34E-03	2.66E-15	X4374.45
12	115979280	4.69E-03	3.45E-08	X4397.26
3	49702484	1.17E-02	7.22E-97	X4407.10
10	128021575	2.82E-03	7.70E-09	X4420.7
2	3654190	7.25E-03	2.82E-132	X4430.44
9	94941278	4.24E-03	1.56E-08	X4436.1
11	117067699	4.27E-03	9.98E-80	X4459.68
4	88463733	3.52E-03	9.31E-09	X4467.49
11	57374332	5.82E-03	4.01E-20	X4479.14
16	58036347	4.58E-03	3.15E-08	X4487.1
3	186449122	6.27E-03	4.90E-08	X4495.33
4	15737890	5.90E-03	7.25E-118	X4535.50
11	125842389	1.18E-02	2.32E-27	X4541.49
8	101811390	6.57E-03	4.31E-08	X4542.24
19	5895358	7.03E-03	2.33E-71	X4549.78
6	6661837	9.38E-03	8.49E-09	X4557.61
11	134222792	9.68E-03	3.72E-08	X4588.1
3	186449122	4.78E-03	5.99E-09	X4703.87
21	43742367	1.04E-02	3.22E-08	X4721.54
6	123122464	6.80E-03	5.06E-98	X4771.10
9	124047836	7.70E-03	4.60E-10	X4775.34
3	49641049	7.72E-03	1.14E-28	X4815.25
1	169642515	4.75E-03	8.46E-36	X4831.4
14	84928445	3.97E-03	4.26E-08	X4834.61
10	127730099	1.18E-02	4.47E-08	X4840.73
3	194952428	1.62E-02	1.75E-08	X4866.59
14	21167576	6.29E-03	2.39E-09	X4874.3
18	31519059	8.77E-03	2.61E-08	X4905.63
1	169483561	1.24E-02	1.34E-18	X4906.35
1	236694904	3.73E-03	3.05E-21	X4909.68
11	67352689	5.28E-03	1.01E-76	X4911.49
17	34307457	1.26E-02	4.88E-55	X4913.78
8	3648320	5.21E-02	2.75E-08	X4915.64
12	69734641	4.47E-03	5.61E-59	X4920.10
17	7533015	1.17E-02	1.23E-09	X4929.55
17	10195328	6.33E-03	3.19E-08	X4957.1
10	14904654	6.14E-03	4.58E-24	X4962.52
5	96118866	1.01E-02	2.56E-103	X4964.67
2	183703336	4.16E-03	1.11E-11	X4967.1

2	85637837	5.16E-03	2.38E-10	X4968.50
15	99271135	4.60E-03	4.82E-08	X4976.57
13	47364900	1.12E-02	1.37E-64	X4984.83
5	150306969	1.11E-02	1.40E-08	X4989.7
12	40596166	6.01E-03	1.43E-08	X4992.49
1	234046376	6.54E-03	4.25E-08	X5001.6
9	130630749	1.25E-02	1.97E-09	X5012.67
6	46702810	5.17E-03	1.41E-76	X5015.15
19	45411941	4.25E-03	3.39E-09	X5020.50
2	152208537	7.98E-03	4.71E-11	X5036.50
9	5463988	4.34E-03	5.90E-27	X5060.62
12	26604459	5.85E-03	9.30E-09	X5068.54
3	53892830	1.82E-02	1.10E-13	X5084.154
19	54783521	5.58E-03	1.39E-45	X5091.28
3	124781736	7.67E-03	4.38E-08	X5092.51
17	1547925	1.42E-02	5.45E-24	X5129.12
19	14153293	7.10E-03	1.18E-69	X5132.71
5	156513344	6.67E-03	2.26E-32	X5134.52
19	45411941	3.95E-03	2.05E-11	X5312.49
1	230828438	4.94E-03	1.60E-19	X5340.24
4	166335801	4.54E-03	4.68E-09	X5343.74
19	45411941	5.55E-03	8.14E-21	X5345.51
6	170516123	5.13E-03	3.44E-08	X5349.69
13	95034749	4.83E-03	2.31E-09	X5350.14
17	46022065	9.75E-03	8.41E-45	X5354.11
7	83021583	1.41E-02	1.20E-78	X5363.51
1	66073982	5.49E-03	3.10E-213	X5400.52
8	11712443	4.08E-03	3.28E-08	X5457.5
14	70847102	1.84E-02	4.09E-08	X5464.52
11	49229435	1.55E-02	1.51E-21	X5478.50
7	136971270	2.77E-03	1.45E-08	X5486.73
1	160720074	1.01E-02	4.51E-57	X5487.7
10	73866511	5.05E-03	1.95E-22	X5491.12
10	33509513	3.96E-03	8.48E-09	X5542.22
19	45411941	6.38E-03	9.14E-11	X5858.6
15	99276297	4.72E-03	1.55E-08	X5864.10
19	45411941	4.07E-03	1.70E-66	X5918.5
17	8938648	4.66E-03	7.65E-14	X6649.51
17	11678177	6.03E-03	3.53E-08	X8464.31
15	79234957	1.15E-02	2.03E-88	X8465.52
1	64383389	4.62E-03	2.27E-08	X8474.6
11	102650424	7.90E-03	8.14E-12	X8479.4
15	99271135	5.26E-03	2.42E-08	X9169.14
11	102590717	1.05E-02	3.25E-60	X9172.69
21	42689637	7.12E-03	5.26E-175	X9177.6

21	34698807	5.43E-03	4.03E-64	X9183.7
17	25974258	3.19E-03	6.40E-15	X9197.4
19	45411941	2.94E-03	7.34E-15	X9199.6
6	170516123	5.13E-03	3.44E-08	X5349.69
13	95034749	4.83E-03	2.31E-09	X5350.14
17	46022065	9.75E-03	8.41E-45	X5354.11
7	83021583	1.41E-02	1.20E-78	X5363.51
1	66073982	5.49E-03	3.10E-213	X5400.52
8	11712443	4.08E-03	3.28E-08	X5457.5
14	70847102	1.84E-02	4.09E-08	X5464.52
5	33172008	9.94E-03	1.45E-08	X5467.15
3	9902534	3.19E-03	2.52E-08	X5468.67
11	49229435	1.55E-02	1.51E-21	X5478.50
7	136971270	2.77E-03	1.45E-08	X5486.73
1	160720074	1.01E-02	4.51E-57	X5487.7
10	73866511	5.05E-03	1.95E-22	X5491.12
10	33509513	3.96E-03	8.48E-09	X5542.22
22	37095695	2.41E-03	2.09E-08	X5801.72
19	45411941	6.38E-03	9.14E-11	X5858.6
15	99276297	4.72E-03	1.55E-08	X5864.10
19	45411941	4.07E-03	1.70E-66	X5918.5
17	8938648	4.66E-03	7.65E-14	X6649.51
7	82890688	1.97E-02	4.59E-08	X7660.21
17	11678177	6.03E-03	3.53E-08	X8464.31
15	79234957	1.15E-02	2.03E-88	X8465.52
1	64383389	4.62E-03	2.27E-08	X8474.6
11	102650424	7.90E-03	8.14E-12	X8479.4
15	99271135	5.26E-03	2.42E-08	X9169.14
11	102590717	1.05E-02	3.25E-60	X9172.69
21	42689637	7.12E-03	5.26E-175	X9177.6
21	34698807	5.43E-03	4.03E-64	X9183.7
17	25974258	3.19E-03	6.40E-15	X9197.4
19	45411941	2.94E-03	7.34E-15	X9199.6
2	123662993	2.77E-03	4.24E-08	X10344.334
19	4247338	4.80E-03	9.22E-30	X11096.57
1	120409578	7.69E-03	3.23E-10	X11102.22
1	203152177	5.02E-03	4.41E-184	X11104.13
9	28008543	2.70E-02	3.86E-08	X13094.75
4	88830632	5.52E-03	1.68E-08	X13113.7
19	13778585	7.58E-03	3.87E-08	X13119.26
17	26694861	9.02E-03	3.37E-254	X13125.45
18	28671212	4.07E-03	5.66E-09	X13126.52
19	45416741	5.66E-03	7.26E-64	X13131.5
1	153528079	1.40E-02	6.29E-11	X14116.129
19	45411941	4.42E-03	1.02E-09	X14120.2

2	102624226	6.77E-03	3.09E-08	X14133.93
12	47951871	1.13E-02	4.37E-08	X14134.49
8	63508777	6.36E-03	3.89E-08	X14136.234
15	76151081	6.10E-03	5.23E-70	X14139.16
1	944564	5.09E-03	6.95E-09	X14151.4
4	187206249	8.06E-03	9.60E-09	X2190.55
5	150944463	1.18E-02	4.49E-08	X2443.10
4	55584433	7.84E-03	2.35E-08	X2475.1
16	68757769	9.86E-03	4.18E-08	X2501.51
3	132269761	5.92E-03	8.67E-11	X2516.57
7	45960645	6.68E-03	2.51E-08	X2571.12
3	42906116	9.15E-03	2.09E-13	X2578.67
6	168763447	8.14E-03	4.12E-08	X2579.17
7	13092303	2.17E-02	3.24E-08	X2618.10
5	33172008	1.02E-02	1.06E-08	X2625.53
3	190346060	7.32E-03	2.02E-115	X2630.12
21	34648123	3.34E-03	2.10E-15	X2631.50
11	111422217	5.83E-03	2.45E-45	X2635.61
12	6493100	2.99E-03	2.44E-10	X2636.10
7	54920906	7.84E-03	5.74E-16	X2677.1
7	81417306	5.93E-03	8.13E-12	X2681.23
19	41285516	6.86E-03	1.00E-08	X2687.2
20	20320507	2.29E-02	2.33E-08	X2697.7
19	45411941	4.06E-03	1.02E-46	X2714.78
7	75612803	4.31E-03	1.27E-13	X2731.29
19	51642784	5.49E-03	5.29E-114	X2742.68
6	150374768	5.23E-03	1.42E-33	X2747.3
11	69523592	8.52E-03	1.42E-22	X2762.30
1	196877689	1.39E-02	5.99E-47	X2768.56
15	81600451	6.60E-03	8.20E-25	X2774.10
12	68648342	4.64E-03	3.62E-46	X2778.10
19	45411941	3.71E-03	3.53E-10	X2794.60
16	67476572	1.37E-02	4.88E-10	X2813.11
1	39367372	3.64E-03	1.22E-08	X2828.82
19	51527364	1.12E-02	3.78E-81	X2831.29
3	124781736	1.03E-02	7.91E-09	X2837.3
2	183703336	7.69E-03	7.74E-25	X2841.13
1	43767268	5.31E-03	1.18E-08	X2844.53
15	99271135	6.08E-03	3.76E-08	X2846.24
2	153624823	9.77E-03	2.07E-08	X2851.63
7	14379828	6.56E-03	3.28E-08	X2855.49
15	99276297	4.07E-03	9.94E-09	X2877.3
5	40972211	1.33E-02	1.77E-22	X2888.49
17	34335694	9.79E-03	4.36E-42	X2900.53
17	34312337	9.52E-03	7.52E-14	X2913.1

1	19964098	1.19E-02	1.27E-09	X2944.66
5	42650771	6.81E-03	1.59E-11	X2948.58
19	49515171	1.80E-02	4.09E-23	X2953.31
20	33765583	5.27E-03	2.92E-08	X2961.1
19	51226590	6.78E-03	3.24E-14	X2966.65
9	117568766	5.13E-03	8.00E-29	X2968.61
19	45411941	3.31E-03	3.81E-16	X2970.60
11	23189583	7.78E-03	4.35E-08	X2972.57
19	45412079	5.97E-03	3.83E-22	X3005.5
19	51628529	1.93E-02	2.36E-291	X3007.7
3	119056517	8.19E-03	3.69E-08	X3028.36
19	7789796	6.28E-03	3.38E-19	X3029.52
14	46319421	6.31E-02	6.64E-09	X3032.11
2	180924757	3.64E-02	2.65E-08	X3038.9
1	99084822	6.72E-02	2.42E-08	X3042.7
17	34389361	1.12E-02	4.83E-32	X3044.3
16	72105965	6.61E-02	8.57E-30	X3054.3
8	11709007	4.29E-03	1.68E-32	X3061.61
14	55636301	6.31E-03	4.81E-46	X3066.12
4	1010077	5.24E-03	2.71E-38	X3169.70
5	78181477	3.63E-03	8.74E-68	X3172.28
4	76840780	6.64E-03	8.96E-86	X3173.49
9	136243270	1.27E-02	2.32E-09	X3175.51
17	58234154	1.32E-02	2.64E-19	X3177.49
12	102220783	5.54E-03	5.48E-10	X3179.51
12	40596166	7.00E-03	1.59E-10	X3182.38
13	113772707	9.91E-03	2.96E-52	X3184.25
19	55536595	9.31E-03	3.38E-24	X3194.36
2	85934499	1.39E-02	4.70E-44	X3195.50
5	83200291	7.11E-03	1.06E-121	X3196.6
1	236163904	3.51E-03	4.08E-09	X3213.65
1	207119853	1.48E-02	3.48E-14	X3216.2
19	12353395	2.14E-02	6.52E-10	X3220.40
19	11688460	4.71E-03	1.73E-23	X3232.28
17	48909434	5.93E-03	3.62E-87	X3235.50
6	74417567	4.06E-03	1.06E-08	X3290.50
19	7764436	9.63E-03	7.15E-64	X3291.30
1	157804648	1.11E-02	7.17E-12	X3293.2
1	205031744	5.79E-03	6.55E-44	X3296.92
14	70847102	1.96E-02	3.51E-08	X3298.52
11	65779590	6.88E-03	5.26E-87	X3303.23
1	161516360	1.11E-02	6.49E-09	X3311.27
16	9370690	6.47E-03	1.51E-08	X3312.64
10	118030415	1.18E-02	1.61E-08	X3314.74
10	36156376	2.36E-02	4.16E-08	X3315.15

22	21266466	5.39E-03	1.99E-11	X3316.58
6	156832940	9.75E-03	8.62E-09	X3322.52
9	94655021	4.30E-03	1.01E-08	X3339.33
5	79366249	4.74E-03	3.03E-16	X3340.53
15	91369012	6.98E-03	2.78E-08	X3365.7
1	150472869	3.44E-03	2.85E-09	X3366.51
19	51482459	9.70E-03	6.22E-38	X3378.49
1	204144934	1.69E-02	8.44E-10	X3396.54
15	99254194	6.19E-03	3.06E-08	X3397.7
16	1288563	2.13E-02	1.64E-103	X3403.1
15	99271135	4.24E-03	3.57E-08	X3405.6
15	59063144	2.03E-02	1.23E-09	X3416.2
6	7917934	3.32E-03	4.05E-08	X3418.12
9	117691313	4.30E-03	3.16E-12	X3421.54
7	143097100	8.57E-03	1.03E-47	X3431.54
2	65201517	4.60E-03	2.70E-08	X3435.53
19	675513	4.00E-03	5.80E-13	X3438.10
19	45412079	6.86E-03	5.92E-28	X3450.4
13	38130539	1.28E-02	8.73E-24	X3457.57
5	149515074	4.51E-03	1.60E-241	X3459.49
9	136141870	1.10E-02	1.35E-24	X3470.1
16	57391748	9.24E-03	6.26E-09	X3508.78
17	34327923	9.77E-03	3.58E-37	X3509.1
22	51064915	7.24E-03	2.49E-20	X3583.54
1	169503616	3.96E-03	4.09E-11	X3592.4
12	10271087	8.03E-03	8.92E-67	X3603.60
3	142600087	6.05E-03	1.56E-32	X3611.70
4	3451109	1.55E-02	6.00E-66	X3617.80
6	6578927	3.99E-03	9.74E-26	X3623.84
14	52497383	3.66E-03	1.46E-20	X3633.70
12	10330687	1.01E-02	2.39E-13	X3636.37
5	169832521	5.62E-03	2.34E-08	X3646.7
1	197001919	2.19E-02	5.84E-13	X3666.17
6	160494409	5.90E-03	2.03E-37	X3676.15
7	24362530	6.18E-03	2.14E-08	X3727.35
19	8429323	1.05E-02	2.85E-09	X3796.79
12	53593931	2.87E-02	1.54E-08	X3799.11
5	54324920	5.69E-03	1.85E-09	X3805.16
14	61234523	3.50E-03	3.64E-08	X3813.3
13	46595849	4.74E-03	3.67E-09	X3822.54
12	85266858	1.22E-02	4.87E-08	X3827.22
15	99276297	4.36E-03	8.79E-09	X3872.2
6	4477732	7.11E-03	3.15E-08	X3887.90
2	71297982	3.92E-03	1.60E-17	X3894.15
4	179647427	4.79E-03	3.16E-08	X3902.21

1	154426264	4.40E-03	6.46E-105	X4139.71
11	74334348	6.41E-03	3.31E-08	X4151.6
16	55504568	4.21E-03	1.67E-15	X4160.49
19	45411941	7.32E-03	1.40E-11	X4179.57
1	10463467	2.04E-02	2.47E-21	X4187.49
1	46032311	1.10E-02	1.02E-59	X4192.10
3	194952428	1.34E-02	1.24E-08	X4232.19
2	102920037	8.02E-03	6.29E-184	X4234.8
6	147988029	7.39E-03	9.97E-09	X4271.75
11	13958485	4.30E-03	2.96E-10	X4297.62
19	45411941	2.79E-02	3.72E-08	X4337.49
19	10395683	3.49E-03	7.16E-247	X4342.10
19	18498246	6.34E-03	2.66E-15	X4374.45
12	115979280	4.69E-03	3.45E-08	X4397.26
3	49702484	1.17E-02	7.22E-97	X4407.10
10	128021575	2.82E-03	7.70E-09	X4420.7
2	3654190	7.25E-03	2.82E-132	X4430.44
9	94941278	4.24E-03	1.56E-08	X4436.1
11	117067699	4.27E-03	9.98E-80	X4459.68
4	88463733	3.52E-03	9.31E-09	X4467.49
11	57374332	5.82E-03	4.01E-20	X4479.14
16	58036347	4.58E-03	3.15E-08	X4487.1
3	186449122	6.27E-03	4.90E-08	X4495.33
19	51226590	6.83E-03	9.16E-15	X4500.50
4	15737890	5.90E-03	7.25E-118	X4535.50
11	125842389	1.18E-02	2.32E-27	X4541.49
8	101811390	6.57E-03	4.31E-08	X4542.24
19	5895358	7.03E-03	2.33E-71	X4549.78
6	6661837	9.38E-03	8.49E-09	X4557.61
12	94613898	3.36E-02	2.19E-08	X4564.2
11	134222792	9.68E-03	3.72E-08	X4588.1
3	186449122	4.78E-03	5.99E-09	X4703.87
21	43742367	1.04E-02	3.22E-08	X4721.54
6	123122464	6.80E-03	5.06E-98	X4771.10
9	124047836	7.70E-03	4.60E-10	X4775.34
3	49641049	7.72E-03	1.14E-28	X4815.25
1	169642515	4.75E-03	8.46E-36	X4831.4
14	84928445	3.97E-03	4.26E-08	X4834.61
10	127730099	1.18E-02	4.47E-08	X4840.73
3	194952428	1.62E-02	1.75E-08	X4866.59
14	21167576	6.29E-03	2.39E-09	X4874.3
18	31519059	8.77E-03	2.61E-08	X4905.63
1	169483561	1.24E-02	1.34E-18	X4906.35
1	236694904	3.73E-03	3.05E-21	X4909.68
11	67352689	5.28E-03	1.01E-76	X4911.49

17	34307457	1.26E-02	4.88E-55	X4913.78
8	3648320	5.21E-02	2.75E-08	X4915.64
12	69734641	4.47E-03	5.61E-59	X4920.10
17	7533015	1.17E-02	1.23E-09	X4929.55
17	10195328	6.33E-03	3.19E-08	X4957.1
10	14904654	6.14E-03	4.58E-24	X4962.52
5	96118866	1.01E-02	2.56E-103	X4964.67
2	183703336	4.16E-03	1.11E-11	X4967.1
2	85637837	5.16E-03	2.38E-10	X4968.50
20	57602212	2.66E-02	3.60E-08	X4971.1
15	99271135	4.60E-03	4.82E-08	X4976.57
13	47364900	1.12E-02	1.37E-64	X4984.83
5	150306969	1.11E-02	1.40E-08	X4989.7
12	40596166	6.01E-03	1.43E-08	X4992.49
1	234046376	6.54E-03	4.25E-08	X5001.6
9	130630749	1.25E-02	1.97E-09	X5012.67
6	46702810	5.17E-03	1.41E-76	X5015.15
19	45411941	4.25E-03	3.39E-09	X5020.50
2	152208537	7.98E-03	4.71E-11	X5036.50
9	5463988	4.34E-03	5.90E-27	X5060.62
12	26604459	5.85E-03	9.30E-09	X5068.54
3	53892830	1.82E-02	1.10E-13	X5084.154
19	54783521	5.58E-03	1.39E-45	X5091.28
3	124781736	7.67E-03	4.38E-08	X5092.51
17	1547925	1.42E-02	5.45E-24	X5129.12
19	14153293	7.10E-03	1.18E-69	X5132.71
5	156513344	6.67E-03	2.26E-32	X5134.52
1	15131439	2.52E-02	6.60E-09	X5229.90
1	25290698	1.58E-02	2.72E-08	X5245.40
19	45411941	3.95E-03	2.05E-11	X5312.49
1	230828438	4.94E-03	1.60E-19	X5340.24
4	166335801	4.54E-03	4.68E-09	X5343.74
19	45411941	5.55E-03	8.14E-21	X5345.51
6	170516123	5.13E-03	3.44E-08	X5349.69
13	95034749	4.83E-03	2.31E-09	X5350.14
17	46022065	9.75E-03	8.41E-45	X5354.11
7	83021583	1.41E-02	1.20E-78	X5363.51
1	66073982	5.49E-03	3.10E-213	X5400.52
8	11712443	4.08E-03	3.28E-08	X5457.5
14	70847102	1.84E-02	4.09E-08	X5464.52
5	33172008	9.94E-03	1.45E-08	X5467.15
3	9902534	3.19E-03	2.52E-08	X5468.67
11	49229435	1.55E-02	1.51E-21	X5478.50
7	136971270	2.77E-03	1.45E-08	X5486.73
1	160720074	1.01E-02	4.51E-57	X5487.7

10	73866511	5.05E-03	1.95E-22	X5491.12
10	33509513	3.96E-03	8.48E-09	X5542.22
22	37095695	2.41E-03	2.09E-08	X5801.72
19	45411941	6.38E-03	9.14E-11	X5858.6
15	99276297	4.72E-03	1.55E-08	X5864.10
19	45411941	4.07E-03	1.70E-66	X5918.5
17	8938648	4.66E-03	7.65E-14	X6649.51
7	82890688	1.97E-02	4.59E-08	X7660.21
17	11678177	6.03E-03	3.53E-08	X8464.31
15	79234957	1.15E-02	2.03E-88	X8465.52
1	64383389	4.62E-03	2.27E-08	X8474.6
11	102650424	7.90E-03	8.14E-12	X8479.4
15	99271135	5.26E-03	2.42E-08	X9169.14
11	102590717	1.05E-02	3.25E-60	X9172.69
21	42689637	7.12E-03	5.26E-175	X9177.6
21	34698807	5.43E-03	4.03E-64	X9183.7
17	25974258	3.19E-03	6.40E-15	X9197.4
19	45411941	2.94E-03	7.34E-15	X9199.6
2	123662993	2.77E-03	4.24E-08	X10344.334
19	4247338	4.80E-03	9.22E-30	X11096.57
1	120409578	7.69E-03	3.23E-10	X11102.22
1	203152177	5.02E-03	4.41E-184	X11104.13
4	88830632	5.52E-03	1.68E-08	X13113.7
19	13778585	7.58E-03	3.87E-08	X13119.26
17	26694861	9.02E-03	3.37E-254	X13125.45
18	28671212	4.07E-03	5.66E-09	X13126.52
19	45416741	5.66E-03	7.26E-64	X13131.5
1	153528079	1.40E-02	6.29E-11	X14116.129
19	45411941	4.42E-03	1.02E-09	X14120.2
2	102624226	6.77E-03	3.09E-08	X14133.93
12	47951871	1.13E-02	4.37E-08	X14134.49
8	63508777	6.36E-03	3.89E-08	X14136.234
15	76151081	6.10E-03	5.23E-70	X14139.16
1	944564	5.09E-03	6.95E-09	X14151.4
4	187206249	8.06E-03	9.60E-09	X2190.55
5	150944463	1.18E-02	4.49E-08	X2443.10
4	55584433	7.84E-03	2.35E-08	X2475.1
3	132269761	5.92E-03	8.67E-11	X2516.57
7	45960645	6.68E-03	2.51E-08	X2571.12
3	42906116	9.15E-03	2.09E-13	X2578.67
6	168763447	8.14E-03	4.12E-08	X2579.17
7	13092303	2.17E-02	3.24E-08	X2618.10
5	33172008	1.02E-02	1.06E-08	X2625.53
3	190346060	7.32E-03	2.02E-115	X2630.12
21	34648123	3.34E-03	2.10E-15	X2631.50

11	111422217	5.83E-03	2.45E-45	X2635.61
12	6493100	2.99E-03	2.44E-10	X2636.10
7	54920906	7.84E-03	5.74E-16	X2677.1
7	81417306	5.93E-03	8.13E-12	X2681.23
19	41285516	6.86E-03	1.00E-08	X2687.2
20	20320507	2.29E-02	2.33E-08	X2697.7
19	45411941	4.06E-03	1.02E-46	X2714.78
7	75612803	4.31E-03	1.27E-13	X2731.29
19	51642784	5.49E-03	5.29E-114	X2742.68
6	150374768	5.23E-03	1.42E-33	X2747.3
11	69523592	8.52E-03	1.42E-22	X2762.30
1	196877689	1.39E-02	5.99E-47	X2768.56
15	81600451	6.60E-03	8.20E-25	X2774.10
12	68648342	4.64E-03	3.62E-46	X2778.10
19	45411941	3.71E-03	3.53E-10	X2794.60
16	67476572	1.37E-02	4.88E-10	X2813.11
1	39367372	3.64E-03	1.22E-08	X2828.82
19	51527364	1.12E-02	3.78E-81	X2831.29
3	124781736	1.03E-02	7.91E-09	X2837.3
2	183703336	7.69E-03	7.74E-25	X2841.13
1	43767268	5.31E-03	1.18E-08	X2844.53
15	99271135	6.08E-03	3.76E-08	X2846.24
2	153624823	9.77E-03	2.07E-08	X2851.63
7	14379828	6.56E-03	3.28E-08	X2855.49
15	99276297	4.07E-03	9.94E-09	X2877.3
5	40972211	1.33E-02	1.77E-22	X2888.49
17	34335694	9.79E-03	4.36E-42	X2900.53
17	34312337	9.52E-03	7.52E-14	X2913.1
1	19964098	1.19E-02	1.27E-09	X2944.66
19	873743	6.60E-03	1.51E-08	X2946.52
5	42650771	6.81E-03	1.59E-11	X2948.58
19	49515171	1.80E-02	4.09E-23	X2953.31
20	33765583	5.27E-03	2.92E-08	X2961.1
19	51226590	6.78E-03	3.24E-14	X2966.65
9	117568766	5.13E-03	8.00E-29	X2968.61
19	45411941	3.31E-03	3.81E-16	X2970.60
11	23189583	7.78E-03	4.35E-08	X2972.57
19	45412079	5.97E-03	3.83E-22	X3005.5
19	51628529	1.93E-02	2.36E-291	X3007.7
3	119056517	8.19E-03	3.69E-08	X3028.36
19	7789796	6.28E-03	3.38E-19	X3029.52
14	46319421	6.31E-02	6.64E-09	X3032.11
2	180924757	3.64E-02	2.65E-08	X3038.9
1	99084822	6.72E-02	2.42E-08	X3042.7
17	34389361	1.12E-02	4.83E-32	X3044.3

16	72105965	6.61E-02	8.57E-30	X3054.3
8	11709007	4.29E-03	1.68E-32	X3061.61
14	55636301	6.31E-03	4.81E-46	X3066.12
20	36997655	1.96E-02	4.07E-18	X3074.6
4	1010077	5.24E-03	2.71E-38	X3169.70
5	78181477	3.63E-03	8.74E-68	X3172.28
4	76840780	6.64E-03	8.96E-86	X3173.49
9	136243270	1.27E-02	2.32E-09	X3175.51
17	58234154	1.32E-02	2.64E-19	X3177.49
12	102220783	5.54E-03	5.48E-10	X3179.51
12	40596166	7.00E-03	1.59E-10	X3182.38
13	113772707	9.91E-03	2.96E-52	X3184.25
19	55536595	9.31E-03	3.38E-24	X3194.36
2	85934499	1.39E-02	4.70E-44	X3195.50
1	236163904	3.51E-03	4.08E-09	X3213.65
1	207119853	1.48E-02	3.48E-14	X3216.2
19	12353395	2.14E-02	6.52E-10	X3220.40
19	11688460	4.71E-03	1.73E-23	X3232.28
17	48909434	5.93E-03	3.62E-87	X3235.50
6	74417567	4.06E-03	1.06E-08	X3290.50
19	7764436	9.63E-03	7.15E-64	X3291.30
1	157804648	1.11E-02	7.17E-12	X3293.2
1	205031744	5.79E-03	6.55E-44	X3296.92
14	70847102	1.96E-02	3.51E-08	X3298.52
11	65779590	6.88E-03	5.26E-87	X3303.23
1	161516360	1.11E-02	6.49E-09	X3311.27
16	9370690	6.47E-03	1.51E-08	X3312.64
10	118030415	1.18E-02	1.61E-08	X3314.74
22	21266466	5.39E-03	1.99E-11	X3316.58
6	156832940	9.75E-03	8.62E-09	X3322.52
9	94655021	4.30E-03	1.01E-08	X3339.33
5	79366249	4.74E-03	3.03E-16	X3340.53
15	91369012	6.98E-03	2.78E-08	X3365.7
1	150472869	3.44E-03	2.85E-09	X3366.51
19	51482459	9.70E-03	6.22E-38	X3378.49
1	204144934	1.69E-02	8.44E-10	X3396.54
15	99254194	6.19E-03	3.06E-08	X3397.7
16	1288563	2.13E-02	1.64E-103	X3403.1
15	99271135	4.24E-03	3.57E-08	X3405.6
15	59063144	2.03E-02	1.23E-09	X3416.2
6	7917934	3.32E-03	4.05E-08	X3418.12
9	117691313	4.30E-03	3.16E-12	X3421.54
7	143097100	8.57E-03	1.03E-47	X3431.54
2	65201517	4.60E-03	2.70E-08	X3435.53
19	675513	4.00E-03	5.80E-13	X3438.10

19	45412079	6.86E-03	5.92E-28	X3450.4
5	149515074	4.51E-03	1.60E-241	X3459.49
1	156615114	5.85E-03	6.76E-16	X3461.58
9	136141870	1.10E-02	1.35E-24	X3470.1
16	57391748	9.24E-03	6.26E-09	X3508.78
17	34327923	9.77E-03	3.58E-37	X3509.1
22	51064915	7.24E-03	2.49E-20	X3583.54
1	169503616	3.96E-03	4.09E-11	X3592.4
12	10271087	8.03E-03	8.92E-67	X3603.60
9	140004341	3.73E-03	3.68E-45	X3608.12
3	142600087	6.05E-03	1.56E-32	X3611.70
4	3451109	1.55E-02	6.00E-66	X3617.80
6	6578927	3.99E-03	9.74E-26	X3623.84
14	52497383	3.66E-03	1.46E-20	X3633.70
12	10330687	1.01E-02	2.39E-13	X3636.37
5	169832521	5.62E-03	2.34E-08	X3646.7
1	197001919	2.19E-02	5.84E-13	X3666.17
6	160494409	5.90E-03	2.03E-37	X3676.15
7	24362530	6.18E-03	2.14E-08	X3727.35
1	1146785	1.89E-02	1.84E-08	X3730.81
19	8429323	1.05E-02	2.85E-09	X3796.79
12	53593931	2.87E-02	1.54E-08	X3799.11
5	54324920	5.69E-03	1.85E-09	X3805.16
14	61234523	3.50E-03	3.64E-08	X3813.3
13	46595849	4.74E-03	3.67E-09	X3822.54
12	85266858	1.22E-02	4.87E-08	X3827.22
15	99276297	4.36E-03	8.79E-09	X3872.2
6	4477732	7.11E-03	3.15E-08	X3887.90
2	71297982	3.92E-03	1.60E-17	X3894.15
4	179647427	4.79E-03	3.16E-08	X3902.21
1	154426264	4.40E-03	6.46E-105	X4139.71
11	74334348	6.41E-03	3.31E-08	X4151.6
9	117835899	7.70E-03	1.32E-118	X4155.3
16	55504568	4.21E-03	1.67E-15	X4160.49
19	45411941	7.32E-03	1.40E-11	X4179.57
1	10463467	2.04E-02	2.47E-21	X4187.49
1	46032311	1.10E-02	1.02E-59	X4192.10
1	157478463	6.52E-03	2.73E-08	X4203.50
3	194952428	1.34E-02	1.24E-08	X4232.19
2	102920037	8.02E-03	6.29E-184	X4234.8
6	147988029	7.39E-03	9.97E-09	X4271.75
19	45411941	2.79E-02	3.72E-08	X4337.49
19	10395683	3.49E-03	7.16E-247	X4342.10
19	18498246	6.34E-03	2.66E-15	X4374.45
12	115979280	4.69E-03	3.45E-08	X4397.26

3	49702484	1.17E-02	7.22E-97	X4407.10
10	128021575	2.82E-03	7.70E-09	X4420.7
2	3654190	7.25E-03	2.82E-132	X4430.44
9	94941278	4.24E-03	1.56E-08	X4436.1
11	117067699	4.27E-03	9.98E-80	X4459.68
4	88463733	3.52E-03	9.31E-09	X4467.49
11	57374332	5.82E-03	4.01E-20	X4479.14
16	58036347	4.58E-03	3.15E-08	X4487.1
3	186449122	6.27E-03	4.90E-08	X4495.33
19	51226590	6.83E-03	9.16E-15	X4500.50
4	15737890	5.90E-03	7.25E-118	X4535.50
11	125842389	1.18E-02	2.32E-27	X4541.49
8	101811390	6.57E-03	4.31E-08	X4542.24
19	5895358	7.03E-03	2.33E-71	X4549.78
6	6661837	9.38E-03	8.49E-09	X4557.61
12	94613898	3.36E-02	2.19E-08	X4564.2
11	134222792	9.68E-03	3.72E-08	X4588.1
3	186449122	4.78E-03	5.99E-09	X4703.87
21	43742367	1.04E-02	3.22E-08	X4721.54
6	123122464	6.80E-03	5.06E-98	X4771.10
9	124047836	7.70E-03	4.60E-10	X4775.34
3	49641049	7.72E-03	1.14E-28	X4815.25
1	169642515	4.75E-03	8.46E-36	X4831.4
14	84928445	3.97E-03	4.26E-08	X4834.61
10	127730099	1.18E-02	4.47E-08	X4840.73
3	194952428	1.62E-02	1.75E-08	X4866.59
14	21167576	6.29E-03	2.39E-09	X4874.3
18	31519059	8.77E-03	2.61E-08	X4905.63
1	169483561	1.24E-02	1.34E-18	X4906.35
1	236694904	3.73E-03	3.05E-21	X4909.68
11	67352689	5.28E-03	1.01E-76	X4911.49
17	34307457	1.26E-02	4.88E-55	X4913.78
8	3648320	5.21E-02	2.75E-08	X4915.64
12	69734641	4.47E-03	5.61E-59	X4920.10
17	7533015	1.17E-02	1.23E-09	X4929.55
17	10195328	6.33E-03	3.19E-08	X4957.1
10	14904654	6.14E-03	4.58E-24	X4962.52
5	96118866	1.01E-02	2.56E-103	X4964.67
2	183703336	4.16E-03	1.11E-11	X4967.1
2	85637837	5.16E-03	2.38E-10	X4968.50
15	99271135	4.60E-03	4.82E-08	X4976.57
13	47364900	1.12E-02	1.37E-64	X4984.83
5	150306969	1.11E-02	1.40E-08	X4989.7
12	40596166	6.01E-03	1.43E-08	X4992.49
1	234046376	6.54E-03	4.25E-08	X5001.6

9	130630749	1.25E-02	1.97E-09	X5012.67
6	46702810	5.17E-03	1.41E-76	X5015.15
19	45411941	4.25E-03	3.39E-09	X5020.50
2	152208537	7.98E-03	4.71E-11	X5036.50
9	5463988	4.34E-03	5.90E-27	X5060.62
12	26604459	5.85E-03	9.30E-09	X5068.54
3	53892830	1.82E-02	1.10E-13	X5084.154
19	54783521	5.58E-03	1.39E-45	X5091.28
3	124781736	7.67E-03	4.38E-08	X5092.51
17	1547925	1.42E-02	5.45E-24	X5129.12
19	14153293	7.10E-03	1.18E-69	X5132.71
5	156513344	6.67E-03	2.26E-32	X5134.52
1	25290698	1.58E-02	2.72E-08	X5245.40
19	45411941	3.95E-03	2.05E-11	X5312.49
1	230828438	4.94E-03	1.60E-19	X5340.24
4	166335801	4.54E-03	4.68E-09	X5343.74
19	45411941	5.55E-03	8.14E-21	X5345.51
6	170516123	5.13E-03	3.44E-08	X5349.69
13	95034749	4.83E-03	2.31E-09	X5350.14
17	46022065	9.75E-03	8.41E-45	X5354.11
7	83021583	1.41E-02	1.20E-78	X5363.51
1	66073982	5.49E-03	3.10E-213	X5400.52
8	11712443	4.08E-03	3.28E-08	X5457.5
14	70847102	1.84E-02	4.09E-08	X5464.52
5	33172008	9.94E-03	1.45E-08	X5467.15
11	49229435	1.55E-02	1.51E-21	X5478.50
7	136971270	2.77E-03	1.45E-08	X5486.73
1	160720074	1.01E-02	4.51E-57	X5487.7
10	73866511	5.05E-03	1.95E-22	X5491.12
10	33509513	3.96E-03	8.48E-09	X5542.22
19	45411941	6.38E-03	9.14E-11	X5858.6
15	99276297	4.72E-03	1.55E-08	X5864.10
19	45411941	4.07E-03	1.70E-66	X5918.5
17	8938648	4.66E-03	7.65E-14	X6649.51
7	82890688	1.97E-02	4.59E-08	X7660.21
17	11678177	6.03E-03	3.53E-08	X8464.31
15	79234957	1.15E-02	2.03E-88	X8465.52
1	64383389	4.62E-03	2.27E-08	X8474.6
11	102650424	7.90E-03	8.14E-12	X8479.4
15	99271135	5.26E-03	2.42E-08	X9169.14
11	102590717	1.05E-02	3.25E-60	X9172.69
21	42689637	7.12E-03	5.26E-175	X9177.6
21	34698807	5.43E-03	4.03E-64	X9183.7
17	25974258	3.19E-03	6.40E-15	X9197.4
19	45411941	2.94E-03	7.34E-15	X9199.6

2	123662993	2.77E-03	4.24E-08	X10344.334
19	4247338	4.80E-03	9.22E-30	X11096.57
1	120409578	7.69E-03	3.23E-10	X11102.22
1	203152177	5.02E-03	4.41E-184	X11104.13
4	88830632	5.52E-03	1.68E-08	X13113.7
19	13778585	7.58E-03	3.87E-08	X13119.26
17	26694861	9.02E-03	3.37E-254	X13125.45
18	28671212	4.07E-03	5.66E-09	X13126.52
19	45416741	5.66E-03	7.26E-64	X13131.5
1	153528079	1.40E-02	6.29E-11	X14116.129
19	45411941	4.42E-03	1.02E-09	X14120.2
2	102624226	6.77E-03	3.09E-08	X14133.93
12	47951871	1.13E-02	4.37E-08	X14134.49
8	63508777	6.36E-03	3.89E-08	X14136.234
15	76151081	6.10E-03	5.23E-70	X14139.16
1	944564	5.09E-03	6.95E-09	X14151.4
4	187206249	8.06E-03	9.60E-09	X2190.55
5	150944463	1.18E-02	4.49E-08	X2443.10
4	55584433	7.84E-03	2.35E-08	X2475.1
3	132269761	5.92E-03	8.67E-11	X2516.57
7	45960645	6.68E-03	2.51E-08	X2571.12
3	42906116	9.15E-03	2.09E-13	X2578.67
6	168763447	8.14E-03	4.12E-08	X2579.17
7	13092303	2.17E-02	3.24E-08	X2618.10
5	33172008	1.02E-02	1.06E-08	X2625.53
3	190346060	7.32E-03	2.02E-115	X2630.12
21	34648123	3.34E-03	2.10E-15	X2631.50
11	111422217	5.83E-03	2.45E-45	X2635.61
12	6493100	2.99E-03	2.44E-10	X2636.10
7	54920906	7.84E-03	5.74E-16	X2677.1
7	81417306	5.93E-03	8.13E-12	X2681.23
19	41285516	6.86E-03	1.00E-08	X2687.2
20	20320507	2.29E-02	2.33E-08	X2697.7
19	45411941	4.06E-03	1.02E-46	X2714.78
7	75612803	4.31E-03	1.27E-13	X2731.29
19	51642784	5.49E-03	5.29E-114	X2742.68
6	150374768	5.23E-03	1.42E-33	X2747.3
11	69523592	8.52E-03	1.42E-22	X2762.30
1	196877689	1.39E-02	5.99E-47	X2768.56
15	81600451	6.60E-03	8.20E-25	X2774.10
12	68648342	4.64E-03	3.62E-46	X2778.10
19	45411941	3.71E-03	3.53E-10	X2794.60
16	67476572	1.37E-02	4.88E-10	X2813.11
1	39367372	3.64E-03	1.22E-08	X2828.82
19	51527364	1.12E-02	3.78E-81	X2831.29

3	124781736	1.03E-02	7.91E-09	X2837.3
2	183703336	7.69E-03	7.74E-25	X2841.13
1	43767268	5.31E-03	1.18E-08	X2844.53
15	99271135	6.08E-03	3.76E-08	X2846.24
2	153624823	9.77E-03	2.07E-08	X2851.63
7	14379828	6.56E-03	3.28E-08	X2855.49
15	99276297	4.07E-03	9.94E-09	X2877.3
5	40972211	1.33E-02	1.77E-22	X2888.49
17	34335694	9.79E-03	4.36E-42	X2900.53
17	34312337	9.52E-03	7.52E-14	X2913.1
1	19964098	1.19E-02	1.27E-09	X2944.66
19	873743	6.60E-03	1.51E-08	X2946.52
5	42650771	6.81E-03	1.59E-11	X2948.58
19	49515171	1.80E-02	4.09E-23	X2953.31
20	33765583	5.27E-03	2.92E-08	X2961.1
19	51226590	6.78E-03	3.24E-14	X2966.65
9	117568766	5.13E-03	8.00E-29	X2968.61
19	45411941	3.31E-03	3.81E-16	X2970.60
11	23189583	7.78E-03	4.35E-08	X2972.57
19	45412079	5.97E-03	3.83E-22	X3005.5
19	51628529	1.93E-02	2.36E-291	X3007.7
3	119056517	8.19E-03	3.69E-08	X3028.36
19	7789796	6.28E-03	3.38E-19	X3029.52
14	46319421	6.31E-02	6.64E-09	X3032.11
2	180924757	3.64E-02	2.65E-08	X3038.9
17	34389361	1.12E-02	4.83E-32	X3044.3
16	72105965	6.61E-02	8.57E-30	X3054.3
8	11709007	4.29E-03	1.68E-32	X3061.61
14	55636301	6.31E-03	4.81E-46	X3066.12
20	36997655	1.96E-02	4.07E-18	X3074.6
4	1010077	5.24E-03	2.71E-38	X3169.70
5	78181477	3.63E-03	8.74E-68	X3172.28
4	76840780	6.64E-03	8.96E-86	X3173.49
9	136243270	1.27E-02	2.32E-09	X3175.51
17	58234154	1.32E-02	2.64E-19	X3177.49
12	102220783	5.54E-03	5.48E-10	X3179.51
12	40596166	7.00E-03	1.59E-10	X3182.38
13	113772707	9.91E-03	2.96E-52	X3184.25
19	55536595	9.31E-03	3.38E-24	X3194.36
2	85934499	1.39E-02	4.70E-44	X3195.50
1	236163904	3.51E-03	4.08E-09	X3213.65
1	207119853	1.48E-02	3.48E-14	X3216.2
19	12353395	2.14E-02	6.52E-10	X3220.40
19	11688460	4.71E-03	1.73E-23	X3232.28
17	48909434	5.93E-03	3.62E-87	X3235.50

6	74417567	4.06E-03	1.06E-08	X3290.50
19	7764436	9.63E-03	7.15E-64	X3291.30
1	157804648	1.11E-02	7.17E-12	X3293.2
1	205031744	5.79E-03	6.55E-44	X3296.92
14	70847102	1.96E-02	3.51E-08	X3298.52
11	65779590	6.88E-03	5.26E-87	X3303.23
1	161516360	1.11E-02	6.49E-09	X3311.27
16	9370690	6.47E-03	1.51E-08	X3312.64
10	118030415	1.18E-02	1.61E-08	X3314.74
22	21266466	5.39E-03	1.99E-11	X3316.58
6	156832940	9.75E-03	8.62E-09	X3322.52
9	94655021	4.30E-03	1.01E-08	X3339.33
5	79366249	4.74E-03	3.03E-16	X3340.53
15	91369012	6.98E-03	2.78E-08	X3365.7
1	150472869	3.44E-03	2.85E-09	X3366.51
19	51482459	9.70E-03	6.22E-38	X3378.49
1	204144934	1.69E-02	8.44E-10	X3396.54
15	99254194	6.19E-03	3.06E-08	X3397.7
16	1288563	2.13E-02	1.64E-103	X3403.1
15	99271135	4.24E-03	3.57E-08	X3405.6
15	59063144	2.03E-02	1.23E-09	X3416.2
6	7917934	3.32E-03	4.05E-08	X3418.12
9	117691313	4.30E-03	3.16E-12	X3421.54
7	143097100	8.57E-03	1.03E-47	X3431.54
2	65201517	4.60E-03	2.70E-08	X3435.53
19	675513	4.00E-03	5.80E-13	X3438.10
19	45412079	6.86E-03	5.92E-28	X3450.4
5	149515074	4.51E-03	1.60E-241	X3459.49
1	156615114	5.85E-03	6.76E-16	X3461.58
9	136141870	1.10E-02	1.35E-24	X3470.1
16	57391748	9.24E-03	6.26E-09	X3508.78
17	34327923	9.77E-03	3.58E-37	X3509.1
22	51064915	7.24E-03	2.49E-20	X3583.54
1	169503616	3.96E-03	4.09E-11	X3592.4
12	10271087	8.03E-03	8.92E-67	X3603.60
9	140004341	3.73E-03	3.68E-45	X3608.12
3	142600087	6.05E-03	1.56E-32	X3611.70
4	3451109	1.55E-02	6.00E-66	X3617.80
6	6578927	3.99E-03	9.74E-26	X3623.84
14	52497383	3.66E-03	1.46E-20	X3633.70
12	10330687	1.01E-02	2.39E-13	X3636.37
5	169832521	5.62E-03	2.34E-08	X3646.7
1	197001919	2.19E-02	5.84E-13	X3666.17
6	160494409	5.90E-03	2.03E-37	X3676.15
7	24362530	6.18E-03	2.14E-08	X3727.35

1	1146785	1.89E-02	1.84E-08	X3730.81
19	8429323	1.05E-02	2.85E-09	X3796.79
12	53593931	2.87E-02	1.54E-08	X3799.11
5	54324920	5.69E-03	1.85E-09	X3805.16
14	61234523	3.50E-03	3.64E-08	X3813.3
13	46595849	4.74E-03	3.67E-09	X3822.54
12	85266858	1.22E-02	4.87E-08	X3827.22
15	99276297	4.36E-03	8.79E-09	X3872.2
6	4477732	7.11E-03	3.15E-08	X3887.90
2	71297982	3.92E-03	1.60E-17	X3894.15
4	179647427	4.79E-03	3.16E-08	X3902.21
1	154426264	4.40E-03	6.46E-105	X4139.71
11	74334348	6.41E-03	3.31E-08	X4151.6
9	117835899	7.70E-03	1.32E-118	X4155.3
16	55504568	4.21E-03	1.67E-15	X4160.49
19	45411941	7.32E-03	1.40E-11	X4179.57
1	10463467	2.04E-02	2.47E-21	X4187.49
1	46032311	1.10E-02	1.02E-59	X4192.10
1	157478463	6.52E-03	2.73E-08	X4203.50
3	194952428	1.34E-02	1.24E-08	X4232.19
2	102920037	8.02E-03	6.29E-184	X4234.8
6	147988029	7.39E-03	9.97E-09	X4271.75
19	45411941	2.79E-02	3.72E-08	X4337.49
19	10395683	3.49E-03	7.16E-247	X4342.10
19	18498246	6.34E-03	2.66E-15	X4374.45
12	115979280	4.69E-03	3.45E-08	X4397.26
3	49702484	1.17E-02	7.22E-97	X4407.10
10	128021575	2.82E-03	7.70E-09	X4420.7
2	3654190	7.25E-03	2.82E-132	X4430.44
9	94941278	4.24E-03	1.56E-08	X4436.1
11	117067699	4.27E-03	9.98E-80	X4459.68
4	88463733	3.52E-03	9.31E-09	X4467.49
11	57374332	5.82E-03	4.01E-20	X4479.14
16	58036347	4.58E-03	3.15E-08	X4487.1
3	186449122	6.27E-03	4.90E-08	X4495.33
19	51226590	6.83E-03	9.16E-15	X4500.50
4	15737890	5.90E-03	7.25E-118	X4535.50
11	125842389	1.18E-02	2.32E-27	X4541.49
8	101811390	6.57E-03	4.31E-08	X4542.24
19	5895358	7.03E-03	2.33E-71	X4549.78
6	6661837	9.38E-03	8.49E-09	X4557.61
12	94613898	3.36E-02	2.19E-08	X4564.2
11	134222792	9.68E-03	3.72E-08	X4588.1
3	186449122	4.78E-03	5.99E-09	X4703.87
21	43742367	1.04E-02	3.22E-08	X4721.54

6	123122464	6.80E-03	5.06E-98	X4771.10
9	124047836	7.70E-03	4.60E-10	X4775.34
3	49641049	7.72E-03	1.14E-28	X4815.25
1	169642515	4.75E-03	8.46E-36	X4831.4
14	84928445	3.97E-03	4.26E-08	X4834.61
10	127730099	1.18E-02	4.47E-08	X4840.73
3	194952428	1.62E-02	1.75E-08	X4866.59
14	21167576	6.29E-03	2.39E-09	X4874.3
18	31519059	8.77E-03	2.61E-08	X4905.63
1	169483561	1.24E-02	1.34E-18	X4906.35
1	236694904	3.73E-03	3.05E-21	X4909.68
11	67352689	5.28E-03	1.01E-76	X4911.49
17	34307457	1.26E-02	4.88E-55	X4913.78
8	3648320	5.21E-02	2.75E-08	X4915.64
12	69734641	4.47E-03	5.61E-59	X4920.10
17	7533015	1.17E-02	1.23E-09	X4929.55
17	10195328	6.33E-03	3.19E-08	X4957.1
10	14904654	6.14E-03	4.58E-24	X4962.52
5	96118866	1.01E-02	2.56E-103	X4964.67
2	183703336	4.16E-03	1.11E-11	X4967.1
2	85637837	5.16E-03	2.38E-10	X4968.50
15	99271135	4.60E-03	4.82E-08	X4976.57
13	47364900	1.12E-02	1.37E-64	X4984.83
5	150306969	1.11E-02	1.40E-08	X4989.7
12	40596166	6.01E-03	1.43E-08	X4992.49
1	234046376	6.54E-03	4.25E-08	X5001.6
9	130630749	1.25E-02	1.97E-09	X5012.67
6	46702810	5.17E-03	1.41E-76	X5015.15
19	45411941	4.25E-03	3.39E-09	X5020.50
2	152208537	7.98E-03	4.71E-11	X5036.50
9	5463988	4.34E-03	5.90E-27	X5060.62
12	26604459	5.85E-03	9.30E-09	X5068.54
3	53892830	1.82E-02	1.10E-13	X5084.154
19	54783521	5.58E-03	1.39E-45	X5091.28
3	124781736	7.67E-03	4.38E-08	X5092.51
17	1547925	1.42E-02	5.45E-24	X5129.12
19	14153293	7.10E-03	1.18E-69	X5132.71
5	156513344	6.67E-03	2.26E-32	X5134.52
1	25290698	1.58E-02	2.72E-08	X5245.40
19	45411941	3.95E-03	2.05E-11	X5312.49
1	230828438	4.94E-03	1.60E-19	X5340.24
4	166335801	4.54E-03	4.68E-09	X5343.74
19	45411941	5.55E-03	8.14E-21	X5345.51
6	170516123	5.13E-03	3.44E-08	X5349.69
13	95034749	4.83E-03	2.31E-09	X5350.14

17	46022065	9.75E-03	8.41E-45	X5354.11
7	83021583	1.41E-02	1.20E-78	X5363.51
1	66073982	5.49E-03	3.10E-213	X5400.52
8	11712443	4.08E-03	3.28E-08	X5457.5
14	70847102	1.84E-02	4.09E-08	X5464.52
5	33172008	9.94E-03	1.45E-08	X5467.15
11	49229435	1.55E-02	1.51E-21	X5478.50
7	136971270	2.77E-03	1.45E-08	X5486.73
1	160720074	1.01E-02	4.51E-57	X5487.7
10	73866511	5.05E-03	1.95E-22	X5491.12
10	33509513	3.96E-03	8.48E-09	X5542.22
19	45411941	6.38E-03	9.14E-11	X5858.6
15	99276297	4.72E-03	1.55E-08	X5864.10
19	45411941	4.07E-03	1.70E-66	X5918.5
17	8938648	4.66E-03	7.65E-14	X6649.51
7	82890688	1.97E-02	4.59E-08	X7660.21
17	11678177	6.03E-03	3.53E-08	X8464.31
15	79234957	1.15E-02	2.03E-88	X8465.52
1	64383389	4.62E-03	2.27E-08	X8474.6
11	102650424	7.90E-03	8.14E-12	X8479.4
15	99271135	5.26E-03	2.42E-08	X9169.14
11	102590717	1.05E-02	3.25E-60	X9172.69
21	42689637	7.12E-03	5.26E-175	X9177.6
21	34698807	5.43E-03	4.03E-64	X9183.7
17	25974258	3.19E-03	6.40E-15	X9197.4
19	45411941	2.94E-03	7.34E-15	X9199.6

Protein	Protein name
IL10RA	Interleukin-10 receptor subunit alpha
N6AMT1	HemK methyltransferase family member 2
REG4	Regenerating islet-derived protein 4
CHI3L1	Chitinase-3-like protein 1
SPP1	Osteopontin
VTN	Vitronectin
DSC2	Desmocollin-2
HK1	Hexokinase-1
RNF43	E3 ubiquitin-protein ligase RNF43
IL1R2	Interleukin-1 receptor type 2
AMIGO2	Amphoterin-induced protein 2
CD93	Complement component C1q receptor
NRG4	Neuregulin-4
ISG15	Ubiquitin-like protein ISG15
F11	Coagulation Factor XI
KIT	Mast/stem cell growth factor receptor Kit
CDH1	Cadherin-1
CCL21	C-C motif chemokine 21
IGFBP3	Insulin-like growth factor-binding protein 3
CCL2	C-C motif chemokine 2
MMP9	Matrix metalloproteinase-9
ERBB4	Receptor tyrosine-protein kinase erbB-4
HSP90AA1 HSP90AB1	Heat shock protein HSP 90-alpha/beta
IL1RAP	Interleukin-1 Receptor accessory protein
IL10RB	Interleukin-10 receptor subunit beta
LAYN	Layilin
LTBR	Tumor necrosis factor receptor superfamily membe
EGFR	Epidermal growth factor receptor
HGF	Hepatocyte growth factor
MIA	Melanoma-derived growth regulatory protein
AIMP1	Endothelial monocyte-activating polypeptide 2
POR	NADPH--cytochrome P450 reductase
ULBP3	NKG2D ligand 3
FGF19	Fibroblast growth factor 19
HPX	Hemopexin
IL16	Interleukin-16
IL22	Interleukin-22
SOD1	Superoxide dismutase [Cu-Zn]
AGRP	Agouti-related protein
SPINT1	Kunitz-type protease inhibitor 1
KLK11	Kallikrein-11
MET	Hepatocyte growth factor receptor

FRZB	Secreted frizzled-related protein 3
TIE1	Tyrosine-protein kinase receptor Tie-1, soluble
RPS27A	Ubiquitin+1, truncated mutation for UbB
C5	C5a anaphylatoxin
MAPK3	Mitogen-activated protein kinase 3
UBE2I	SUMO-conjugating enzyme UBC9
C7	Complement component C7
CCL14	C-C motif chemokine 14
CCL23	C-C motif chemokine 23
NBL1	Neuroblastoma suppressor of tumorigenicity 1
CFD	Complement factor D
GHR	Growth hormone receptor
CGA LHB	Luteinizing hormone
PROC	Vitamin K-dependent protein C
CLEC11A	Stem Cell Growth Factor-beta
TNFSF15	Tumor necrosis factor ligand superfamily member
AREG	Amphiregulin
PTPN1	Tyrosine-protein phosphatase non-receptor type 1
SIGLEC9	Sialic acid-binding Ig-like lectin 9
CCL23	Ck-beta-8-1
CD209	CD209 antigen
CGA FSHB	Follicle stimulating hormone
CXCL11	C-X-C motif chemokine 11
CCL18	C-C motif chemokine 18
HP	Haptoglobin
CTSB	Cathepsin B
LGALS3	Galectin-3
LBP	Lipopolysaccharide-binding protein
IDUA	Alpha-L-iduronidase
ARSB	Arylsulfatase B
NAAA	N-acylethanolamine-hydrolyzing acid amidase
ADAMTS13	A disintegrin and metalloproteinase with thrombos
CA4	Carbonic anhydrase 4
CTSA	Lysosomal protective protein
F7	Coagulation factor VII
GP6	Platelet glycoprotein VI
GNLY	Granulysin
HAPLN1	Hyaluronan and proteoglycan link protein 1
NID1	Nidogen-1
PIGR	Polymeric immunoglobulin receptor
ACP5	Tartrate-resistant acid phosphatase type 5
WFIKKN2	WAP, Kazal, immunoglobulin, Kunitz and NTR dc
CD109	CD109 antigen
FCER2	Low affinity immunoglobulin epsilon Fc receptor
CD5L	CD5 antigen-like

CNTN2	Contactin-2
CNTN4	Contactin-4
CST6	Cystatin-M
FCGR3B	Low affinity immunoglobulin gamma Fc region rec
FCGR1A	High affinity immunoglobulin gamma Fc receptor I
GFRA1	GDNF family receptor alpha-1
SERPIND1	Heparin cofactor 2
LRIG3	Leucine-rich repeats and immunoglobulin-like dom
THBS2	Thrombospondin-2
THBS4	Thrombospondin-4
DKK4	Dickkopf-related protein 4
ECM1	Extracellular matrix protein 1
REN	Renin
PTPN11	Tyrosine-protein phosphatase non-receptor type 1
UFC1	Ubiquitin-fold modifier-conjugating enzyme 1
CAMK1D	Calcium/calmodulin-dependent protein kinase type
TNFSF8	Tumor necrosis factor ligand superfamily member
EPHA1	Ephrin type-A receptor 1
FN1	Fibronectin Fragment 4
FSTL3	Follistatin-related protein 3
KLK6	Kallikrein-6
POSTN	Periostin
PDGFRB	Platelet-derived growth factor receptor beta
SELE	E-selectin
CCL22	C-C motif chemokine 22
CCL15	C-C motif chemokine 15
ARSA	Arylsulfatase A
CAMK1	Calcium/calmodulin-dependent protein kinase type
CLEC7A	C-type lectin domain family 7 member A
DPP7	Dipeptidyl peptidase 2
ECE1	Endothelin-converting enzyme 1
HGFAC	Hepatocyte growth factor activator
LY86	Lymphocyte antigen 86
NID2	Nidogen-2
OLR1	Oxidized low-density lipoprotein receptor 1
TEC	Tyrosine-protein kinase Tec
IGF2R	Cation-independent mannose-6-phosphate recepto
PYY	Peptide YY
TNFRSF4	Tumor necrosis factor receptor superfamily membe
ANGPTL4	Angiopoietin-related protein 4
CA3	Carbonic anhydrase 3
ESM1	Endothelial cell-specific molecule 1
MAPKAPK3	MAP kinase-activated protein kinase 3
PAK6	Serine/threonine-protein kinase PAK 6
TPT1	Translationally-controlled tumor protein

KPNB1	Importin subunit beta-1
NAGK	N-acetyl-D-glucosamine kinase
SKP1	S-phase kinase-associated protein 1
IL6R	Interleukin-6 receptor subunit alpha
PLG	Plasminogen
TNC	Tenascin
MMP2	72 kDa type IV collagenase
YWHAB,YWHAE,YWHAG,YWHAH,YWHAQ,Y	14-3-3 protein family
PGD	6-phosphogluconate dehydrogenase, decarboxylati
AKR1A1	Alcohol dehydrogenase [NADP(+)]
IGF1R	Insulin-like growth factor 1 receptor
IL1RL1	Interleukin-1 receptor-like 1
PFDN5	Prefoldin subunit 5
SPON1	Spondin-1
CRP	C-reactive protein
ICAM1	Intercellular adhesion molecule 1
GDF15	Growth/differentiation factor 15
IFNL2	Interferon lambda-2
MST1	Hepatocyte growth factor-like protein
ADAM12	Disintegrin and metalloproteinase domain-containi
COLEC11	Collectin-11
ENTPD3	Ectonucleoside triphosphate diphosphohydrolase 3
PCSK7	Proprotein convertase subtilisin/kexin type 7
SPARCL1	SPARC-like protein 1
SERPING1	Plasma protease C1 inhibitor
FGF7	Fibroblast growth factor 7
KNG1	Kininogen-1
CLEC11A	Stem cell growth factor-alpha
BST1	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 2
CDON	Cell adhesion molecule-related/down-regulated by
CLU	Clusterin
FUT5	Alpha-(1,3)-fucosyltransferase 5
KIRREL3	Kin of IRRE-like protein 3
PPY	Pancreatic hormone
LTA	Lymphotoxin-alpha
TFF3	Trefoil factor 3
SMPDL3A	Acid sphingomyelinase-like phosphodiesterase 3a
GSN	Gelsolin
TXNDC12	Thioredoxin domain-containing protein 12
SELL	L-Selectin
EPHA2	Ephrin type-A receptor 2
CSF3	Granulocyte colony-stimulating factor
NTRK2	BDNF/NT-3 growth factors receptor
ANG	Angiogenin
COTL1	Coactosin-like protein

F5	Coagulation Factor V
LGALS8	Galectin-8
GSTP1	Glutathione S-transferase P
CCL16	C-C motif chemokine 16
HBA1 HBB	Hemoglobin
LYZ	Lysozyme C
SHBG	Sex hormone-binding globulin
RPSA	40S ribosomal protein SA
CDNF	Cerebral dopamine neurotrophic factor
ERAP1	Endoplasmic reticulum aminopeptidase 1
C1QBP	Complement component 1 Q subcomponent-bindir
CAPG	Macrophage-capping protein
CRK	Adapter molecule crk
ESD	S-formylglutathione hydrolase
FGG	Fibrinogen gamma chain
SCGB2A1	Mammaglobin-B
AK1	Adenylate kinase isoenzyme 1
PLA2G7	Platelet-activating factor acetylhydrolase
PGK1	Phosphoglycerate kinase 1
TNFAIP6	Tumor necrosis factor-inducible gene 6 protein
CD274	Programmed cell death 1 ligand 1
CRTAM	Cytotoxic and regulatory T-cell molecule
IL17RB	Interleukin-17 receptor B
LILRB2	Leukocyte immunoglobulin-like receptor subfamily
JAG1	Protein jagged-1
SCARF1	Scavenger receptor class F member 1
HAVCR2	Hepatitis A virus cellular receptor 2
APOE	Apolipoprotein E (isoform E2)
CASP10	Caspase-10
CPE	Carboxypeptidase E
CKAP2	Cytoskeleton-associated protein 2
DLL1	Delta-like protein 1
GPC6	Glypican-6
KRT18	Keratin, type I cytoskeletal 18
SEMA3E	Semaphorin-3E
LEPR	Leptin receptor
COLEC12	Collectin-12
GRB2	Growth factor receptor-bound protein 2
HSP90AB1	Heat shock protein HSP 90-beta
IL17RC	Interleukin-17 receptor C
ICAM2	Intercellular adhesion molecule 2
SLAMF7	SLAM family member 7
SPOCK2	Testican-2
NRP1	Neuropilin-1
YWHAZ	14-3-3 protein zeta/delta

ALDOA	Fructose-bisphosphate aldolase A
PSME1	Proteasome activator complex subunit 1
NTN1	Netrin-1
RSPO4	R-spondin-4
CTSH	Cathepsin H
ROR1	Tyrosine-protein kinase transmembrane receptor R
MMP10	Stromelysin-2
SUMO3	Small ubiquitin-related modifier 3
MMP8	Neutrophil collagenase
FAM3B	Protein FAM3B
IFNAR1	Interferon alpha/beta receptor 1
LGALS9	Galectin-9
UBE2G2	Ubiquitin-conjugating enzyme E2 G2
IL10RA	Interleukin-10 receptor subunit alpha
N6AMT1	HemK methyltransferase family member 2
REG4	Regenerating islet-derived protein 4
CHI3L1	Chitinase-3-like protein 1
SPP1	Osteopontin
SERPINA10	Protein Z-dependent protease inhibitor
VTN	Vitronectin
DSC2	Desmocollin-2
HK1	Hexokinase-1
S100A4	Protein S100-A4
RNF43	E3 ubiquitin-protein ligase RNF43
IL1R2	Interleukin-1 receptor type 2
AMIGO2	Amphoterin-induced protein 2
CD93	Complement component C1q receptor
NRG4	Neuregulin-4
ISG15	Ubiquitin-like protein ISG15
F11	Coagulation Factor XI
FGF8	Fibroblast growth factor 8 isoform B
KIT	Mast/stem cell growth factor receptor Kit
CDH1	Cadherin-1
CCL21	C-C motif chemokine 21
IGFBP3	Insulin-like growth factor-binding protein 3
CCL2	C-C motif chemokine 2
MMP9	Matrix metalloproteinase-9
ERBB4	Receptor tyrosine-protein kinase erbB-4
HSP90AA1 HSP90AB1	Heat shock protein HSP 90-alpha/beta
IL1RAP	Interleukin-1 Receptor accessory protein
IL10RB	Interleukin-10 receptor subunit beta
LAYN	Layilin
LTBR	Tumor necrosis factor receptor superfamily memb
EGFR	Epidermal growth factor receptor
HGF	Hepatocyte growth factor

MIA	Melanoma-derived growth regulatory protein
PF4	Platelet factor 4
AIMP1	Endothelial monocyte-activating polypeptide 2
POR	NADPH--cytochrome P450 reductase
SIGLEC7	Sialic acid-binding Ig-like lectin 7
ULBP3	NKG2D ligand 3
FGF19	Fibroblast growth factor 19
HPX	Hemopexin
IL16	Interleukin-16
IL22	Interleukin-22
SOD1	Superoxide dismutase [Cu-Zn]
AGRP	Agouti-related protein
SPINT1	Kunitz-type protease inhibitor 1
KLK11	Kallikrein-11
MET	Hepatocyte growth factor receptor
FRZB	Secreted frizzled-related protein 3
TIE1	Tyrosine-protein kinase receptor Tie-1, soluble
RPS27A	Ubiquitin+1, truncated mutation for UbB
C5	C5a anaphylatoxin
MAPK3	Mitogen-activated protein kinase 3
UBE2I	SUMO-conjugating enzyme UBC9
C7	Complement component C7
CCL14	C-C motif chemokine 14
CCL23	C-C motif chemokine 23
NBL1	Neuroblastoma suppressor of tumorigenicity 1
CFD	Complement factor D
GHR	Growth hormone receptor
CGA LHB	Luteinizing hormone
PROC	Vitamin K-dependent protein C
CLEC11A	Stem Cell Growth Factor-beta
TNFSF15	Tumor necrosis factor ligand superfamily member
AREG	Amphiregulin
BMP7	Bone morphogenetic protein 7
PTPN1	Tyrosine-protein phosphatase non-receptor type 1
SIGLEC9	Sialic acid-binding Ig-like lectin 9
CCL23	Ck-beta-8-1
CD209	CD209 antigen
CGA FSHB	Follicle stimulating hormone
CXCL11	C-X-C motif chemokine 11
MB	Myoglobin
CCL18	C-C motif chemokine 18
HP	Haptoglobin
CTSB	Cathepsin B
LGALS3	Galectin-3
LBP	Lipopolysaccharide-binding protein

IDUA	Alpha-L-iduronidase
ARSB	Arylsulfatase B
NAAA	N-acylethanolamine-hydrolyzing acid amidase
ADAMTS13	A disintegrin and metalloproteinase with thrombos
CA4	Carbonic anhydrase 4
CTSA	Lysosomal protective protein
ENTPD1	Ectonucleoside triphosphate diphosphohydrolase 1
F7	Coagulation factor VII
GP6	Platelet glycoprotein VI
GNLY	Granulysin
HAPLN1	Hyaluronan and proteoglycan link protein 1
NID1	Nidogen-1
PIGR	Polymeric immunoglobulin receptor
RET	Proto-oncogene tyrosine-protein kinase receptor R
ACP5	Tartrate-resistant acid phosphatase type 5
WFIKKN2	WAP, Kazal, immunoglobulin, Kunitz and NTR dc
CD109	CD109 antigen
FCER2	Low affinity immunoglobulin epsilon Fc receptor
CD5L	CD5 antigen-like
CNTN2	Contactin-2
CNTN4	Contactin-4
CST6	Cystatin-M
FCGR3B	Low affinity immunoglobulin gamma Fc region rec
FCGR1A	High affinity immunoglobulin gamma Fc receptor I
GFRA1	GDNF family receptor alpha-1
SERPIND1	Heparin cofactor 2
LRIG3	Leucine-rich repeats and immunoglobulin-like dom
THBS2	Thrombospondin-2
THBS4	Thrombospondin-4
DKK4	Dickkopf-related protein 4
ECM1	Extracellular matrix protein 1
KLK7	Kallikrein-7
REN	Renin
PTPN11	Tyrosine-protein phosphatase non-receptor type 1
TPSB2	Tryptase beta-2
UFC1	Ubiquitin-fold modifier-conjugating enzyme 1
BTK	Tyrosine-protein kinase BTK
CAMK1D	Calcium/calmodulin-dependent protein kinase type
TNFSF8	Tumor necrosis factor ligand superfamily member
EPHA1	Ephrin type-A receptor 1
FN1	Fibronectin Fragment 4
FSTL3	Follistatin-related protein 3
KLK6	Kallikrein-6
POSTN	Periostin
PDGFRB	Platelet-derived growth factor receptor beta

BCAN	Brevican core protein
CCL22	C-C motif chemokine 22
CCL15	C-C motif chemokine 15
ARSA	Arylsulfatase A
CAMK1	Calcium/calmodulin-dependent protein kinase type
CLEC7A	C-type lectin domain family 7 member A
DPP7	Dipeptidyl peptidase 2
ECE1	Endothelin-converting enzyme 1
HGFAC	Hepatocyte growth factor activator
LY86	Lymphocyte antigen 86
NID2	Nidogen-2
OLR1	Oxidized low-density lipoprotein receptor 1
TEC	Tyrosine-protein kinase Tec
CFHR5	Complement factor H-related protein 5
IGF2R	Cation-independent mannose-6-phosphate recepto
PYY	Peptide YY
TNFRSF4	Tumor necrosis factor receptor superfamily membe
ANGPTL4	Angiopoietin-related protein 4
CA3	Carbonic anhydrase 3
ESM1	Endothelial cell-specific molecule 1
FYN	Tyrosine-protein kinase Fyn
MAPKAPK3	MAP kinase-activated protein kinase 3
PAK6	Serine/threonine-protein kinase PAK 6
TPT1	Translationally-controlled tumor protein
KPNB1	Importin subunit beta-1
NAGK	N-acetyl-D-glucosamine kinase
SKP1	S-phase kinase-associated protein 1
IL6R	Interleukin-6 receptor subunit alpha
PLG	Plasminogen
TNC	Tenascin
MMP2	72 kDa type IV collagenase
YWHAB,YWHAE,YWHAG,YWHAH,YWHAQ,Y	14-3-3 protein family
PGD	6-phosphogluconate dehydrogenase, decarboxylati
AKR1A1	Alcohol dehydrogenase [NADP(+)]
CFL1	Cofilin-1
IGF1R	Insulin-like growth factor 1 receptor
IL1RL1	Interleukin-1 receptor-like 1
PFDN5	Prefoldin subunit 5
SPON1	Spondin-1
CRP	C-reactive protein
ICAM1	Intercellular adhesion molecule 1
GDF15	Growth/differentiation factor 15
IFNL2	Interferon lambda-2
MST1	Hepatocyte growth factor-like protein
ADAM12	Disintegrin and metalloproteinase domain-containi

COLEC11	Collectin-11
ENTPD3	Ectonucleoside triphosphate diphosphohydrolase 3
PCSK7	Proprotein convertase subtilisin/kexin type 7
SPARCL1	SPARC-like protein 1
SERPING1	Plasma protease C1 inhibitor
FGF7	Fibroblast growth factor 7
KNG1	Kininogen-1
CLEC11A	Stem cell growth factor-alpha
BST1	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1
CDON	Cell adhesion molecule-related/down-regulated by
CLU	Clusterin
FUT5	Alpha-(1,3)-fucosyltransferase 5
KIRREL3	Kin of IRRE-like protein 3
PLXNC1	Plexin-C1
PPY	Pancreatic hormone
LTA	Lymphotoxin-alpha
TFF3	Trefoil factor 3
SMPDL3A	Acid sphingomyelinase-like phosphodiesterase 3a
GSN	Gelsolin
TXNDC12	Thioredoxin domain-containing protein 12
SELL	L-Selectin
EPHA2	Ephrin type-A receptor 2
CSF3	Granulocyte colony-stimulating factor
NTRK2	BDNF/NT-3 growth factors receptor
ANG	Angiogenin
COTL1	Coactosin-like protein
F5	Coagulation Factor V
LGALS8	Galectin-8
GSTP1	Glutathione S-transferase P
CCL16	C-C motif chemokine 16
HBA1 HBB	Hemoglobin
LYZ	Lysozyme C
SHBG	Sex hormone-binding globulin
RPSA	40S ribosomal protein SA
CDNF	Cerebral dopamine neurotrophic factor
ERAP1	Endoplasmic reticulum aminopeptidase 1
C1QBP	Complement component 1 Q subcomponent-bindir
CAPG	Macrophage-capping protein
CTSZ	Cathepsin Z
CRK	Adapter molecule crk
ESD	S-formylglutathione hydrolase
FGG	Fibrinogen gamma chain
GRN	Granulins
SCGB2A1	Mammaglobin-B
AK1	Adenylate kinase isoenzyme 1

PLA2G7	Platelet-activating factor acetylhydrolase
PGK1	Phosphoglycerate kinase 1
TNFAIP6	Tumor necrosis factor-inducible gene 6 protein
CD274	Programmed cell death 1 ligand 1
CRTAM	Cytotoxic and regulatory T-cell molecule
IL17RB	Interleukin-17 receptor B
LILRB2	Leukocyte immunoglobulin-like receptor subfamily
JAG1	Protein jagged-1
SCARF1	Scavenger receptor class F member 1
IL27RA	Interleukin-27 receptor subunit alpha
HAVCR2	Hepatitis A virus cellular receptor 2
PRKAA2 PRKAB2 PRKAG1	AMP Kinase (alpha2beta2gamma1)
APOE	Apolipoprotein E (isoform E2)
CASP10	Caspase-10
CPE	Carboxypeptidase E
CKAP2	Cytoskeleton-associated protein 2
DLL1	Delta-like protein 1
GPC6	Glypican-6
KRT18	Keratin, type I cytoskeletal 18
SEMA3E	Semaphorin-3E
LEPR	Leptin receptor
COLEC12	Collectin-12
GRB2	Growth factor receptor-bound protein 2
HSP90AB1	Heat shock protein HSP 90-beta
IL17RC	Interleukin-17 receptor C
FOLH1	Glutamate carboxypeptidase 2
ICAM2	Intercellular adhesion molecule 2
SLAMF7	SLAM family member 7
SPOCK2	Testican-2
NRP1	Neuropilin-1
NGF	beta-nerve growth factor
YWHAZ	14-3-3 protein zeta/delta
ALDOA	Fructose-bisphosphate aldolase A
PSME1	Proteasome activator complex subunit 1
NTN1	Netrin-1
TPM4	Tropomyosin alpha-4 chain
RSPO4	R-spondin-4
CTSH	Cathepsin H
ROR1	Tyrosine-protein kinase transmembrane receptor R
MMP10	Stromelysin-2
SUMO3	Small ubiquitin-related modifier 3
MMP8	Neutrophil collagenase
FAM3B	Protein FAM3B
IFNAR1	Interferon alpha/beta receptor 1
LGALS9	Galectin-9

UBE2G2	Ubiquitin-conjugating enzyme E2 G2
IL10RA	Interleukin-10 receptor subunit alpha
N6AMT1	HemK methyltransferase family member 2
REG4	Regenerating islet-derived protein 4
CHI3L1	Chitinase-3-like protein 1
SPP1	Osteopontin
SERPINA10	Protein Z-dependent protease inhibitor
VTN	Vitronectin
DSC2	Desmocollin-2
HK1	Hexokinase-1
RNF43	E3 ubiquitin-protein ligase RNF43
IL1R2	Interleukin-1 receptor type 2
AMIGO2	Amphoterin-induced protein 2
CD93	Complement component C1q receptor
NRG4	Neuregulin-4
ISG15	Ubiquitin-like protein ISG15
F11	Coagulation Factor XI
KIT	Mast/stem cell growth factor receptor Kit
CCL21	C-C motif chemokine 21
IGFBP3	Insulin-like growth factor-binding protein 3
CCL2	C-C motif chemokine 2
MMP9	Matrix metalloproteinase-9
ERBB4	Receptor tyrosine-protein kinase erbB-4
IL1RAP	Interleukin-1 Receptor accessory protein
IL10RB	Interleukin-10 receptor subunit beta
LAYN	Layilin
LTBR	Tumor necrosis factor receptor superfamily membe
EGFR	Epidermal growth factor receptor
HGF	Hepatocyte growth factor
MIA	Melanoma-derived growth regulatory protein
AIMP1	Endothelial monocyte-activating polypeptide 2
POR	NADPH--cytochrome P450 reductase
ULBP3	NKG2D ligand 3
FGF19	Fibroblast growth factor 19
HPX	Hemopexin
IL16	Interleukin-16
IL22	Interleukin-22
SOD1	Superoxide dismutase [Cu-Zn]
AGRP	Agouti-related protein
SPINT1	Kunitz-type protease inhibitor 1
KLK11	Kallikrein-11
MET	Hepatocyte growth factor receptor
FRZB	Secreted frizzled-related protein 3
TIE1	Tyrosine-protein kinase receptor Tie-1, soluble
RPS27A	Ubiquitin+1, truncated mutation for UbB

C5	C5a anaphylatoxin
MAPK3	Mitogen-activated protein kinase 3
UBE2I	SUMO-conjugating enzyme UBC9
C7	Complement component C7
CCL14	C-C motif chemokine 14
CCL23	C-C motif chemokine 23
NBL1	Neuroblastoma suppressor of tumorigenicity 1
GHR	Growth hormone receptor
PROC	Vitamin K-dependent protein C
TNFSF15	Tumor necrosis factor ligand superfamily member
AREG	Amphiregulin
PTPN1	Tyrosine-protein phosphatase non-receptor type 1
SIGLEC9	Sialic acid-binding Ig-like lectin 9
CCL23	Ck-beta-8-1
CD209	CD209 antigen
CGA FSHB	Follicle stimulating hormone
CXCL11	C-X-C motif chemokine 11
CCL18	C-C motif chemokine 18
HP	Haptoglobin
CTSB	Cathepsin B
LGALS3	Galectin-3
LBP	Lipopolysaccharide-binding protein
IDUA	Alpha-L-iduronidase
ARSB	Arylsulfatase B
NAAA	N-acylethanolamine-hydrolyzing acid amidase
ADAMTS13	A disintegrin and metalloproteinase with thrombos
CA4	Carbonic anhydrase 4
CTSA	Lysosomal protective protein
ENTPD1	Ectonucleoside triphosphate diphosphohydrolase 1
F7	Coagulation factor VII
GP6	Platelet glycoprotein VI
GNLY	Granulysin
NID1	Nidogen-1
PIGR	Polymeric immunoglobulin receptor
ACP5	Tartrate-resistant acid phosphatase type 5
WFIKKN2	WAP, Kazal, immunoglobulin, Kunitz and NTR dc
CD109	CD109 antigen
CD5L	CD5 antigen-like
CNTN2	Contactin-2
CNTN4	Contactin-4
CST6	Cystatin-M
FCGR3B	Low affinity immunoglobulin gamma Fc region rec
FCGR1A	High affinity immunoglobulin gamma Fc receptor I
GFRA1	GDNF family receptor alpha-1
SERPIND1	Heparin cofactor 2

LRIG3	Leucine-rich repeats and immunoglobulin-like dom
THBS2	Thrombospondin-2
THBS4	Thrombospondin-4
DKK4	Dickkopf-related protein 4
ECM1	Extracellular matrix protein 1
REN	Renin
PTPN11	Tyrosine-protein phosphatase non-receptor type 1
UFC1	Ubiquitin-fold modifier-conjugating enzyme 1
BTK	Tyrosine-protein kinase BTK
CAMK1D	Calcium/calmodulin-dependent protein kinase type
TNFSF8	Tumor necrosis factor ligand superfamily member
EPHA1	Ephrin type-A receptor 1
FN1	Fibronectin Fragment 4
KLK6	Kallikrein-6
PDGFRB	Platelet-derived growth factor receptor beta
CCL22	C-C motif chemokine 22
CCL15	C-C motif chemokine 15
ARSA	Arylsulfatase A
CAMK1	Calcium/calmodulin-dependent protein kinase type
CLEC7A	C-type lectin domain family 7 member A
DPP7	Dipeptidyl peptidase 2
ECE1	Endothelin-converting enzyme 1
LY86	Lymphocyte antigen 86
NID2	Nidogen-2
OLR1	Oxidized low-density lipoprotein receptor 1
TEC	Tyrosine-protein kinase Tec
CFHR5	Complement factor H-related protein 5
IGF2R	Cation-independent mannose-6-phosphate recepto
PYY	Peptide YY
ANGPTL4	Angiopoietin-related protein 4
CA3	Carbonic anhydrase 3
ESM1	Endothelial cell-specific molecule 1
FYN	Tyrosine-protein kinase Fyn
MAPKAPK3	MAP kinase-activated protein kinase 3
PAK6	Serine/threonine-protein kinase PAK 6
TPT1	Translationally-controlled tumor protein
KPNB1	Importin subunit beta-1
NAGK	N-acetyl-D-glucosamine kinase
SKP1	S-phase kinase-associated protein 1
IL6R	Interleukin-6 receptor subunit alpha
PLG	Plasminogen
TNC	Tenascin
MMP2	72 kDa type IV collagenase
YWHAB,YWHAE,YWHAG,YWHAH,YWHAQ,Y	14-3-3 protein family
PGD	6-phosphogluconate dehydrogenase, decarboxylati

AKR1A1	Alcohol dehydrogenase [NADP(+)]
IGF1R	Insulin-like growth factor 1 receptor
IL1RL1	Interleukin-1 receptor-like 1
PFDN5	Prefoldin subunit 5
CRP	C-reactive protein
ICAM1	Intercellular adhesion molecule 1
GDF15	Growth/differentiation factor 15
IFNL2	Interferon lambda-2
MST1	Hepatocyte growth factor-like protein
ADAM12	Disintegrin and metalloproteinase domain-containi
COLEC11	Collectin-11
ENTPD3	Ectonucleoside triphosphate diphosphohydrolase 3
PCSK7	Proprotein convertase subtilisin/kexin type 7
SPARCL1	SPARC-like protein 1
SERPING1	Plasma protease C1 inhibitor
FGF7	Fibroblast growth factor 7
KNG1	Kininogen-1
BST1	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 2
CDON	Cell adhesion molecule-related/down-regulated by
CLU	Clusterin
FUT5	Alpha-(1,3)-fucosyltransferase 5
KIRREL3	Kin of IRRE-like protein 3
PPY	Pancreatic hormone
LTA	Lymphotoxin-alpha
TFF3	Trefoil factor 3
SMPDL3A	Acid sphingomyelinase-like phosphodiesterase 3a
GSN	Gelsolin
TXNDC12	Thioredoxin domain-containing protein 12
SELL	L-Selectin
EPHA2	Ephrin type-A receptor 2
CSF3	Granulocyte colony-stimulating factor
NTRK2	BDNF/NT-3 growth factors receptor
ANG	Angiogenin
COTL1	Coactosin-like protein
F5	Coagulation Factor V
LGALS8	Galectin-8
GSTP1	Glutathione S-transferase P
CCL16	C-C motif chemokine 16
HBA1 HBB	Hemoglobin
LYZ	Lysozyme C
SHBG	Sex hormone-binding globulin
RPSA	40S ribosomal protein SA
CDNF	Cerebral dopamine neurotrophic factor
ERAP1	Endoplasmic reticulum aminopeptidase 1
C1QBP	Complement component 1 Q subcomponent-bindi

CAPG	Macrophage-capping protein
CRK	Adapter molecule crk
ESD	S-formylglutathione hydrolase
FGG	Fibrinogen gamma chain
GRN	Granulins
SCGB2A1	Mammaglobin-B
AK1	Adenylate kinase isoenzyme 1
PLA2G7	Platelet-activating factor acetylhydrolase
PGK1	Phosphoglycerate kinase 1
TNFAIP6	Tumor necrosis factor-inducible gene 6 protein
CD274	Programmed cell death 1 ligand 1
CRTAM	Cytotoxic and regulatory T-cell molecule
IL17RB	Interleukin-17 receptor B
LILRB2	Leukocyte immunoglobulin-like receptor subfamily
JAG1	Protein jagged-1
SCARF1	Scavenger receptor class F member 1
IL27RA	Interleukin-27 receptor subunit alpha
HAVCR2	Hepatitis A virus cellular receptor 2
APOE	Apolipoprotein E (isoform E2)
CASP10	Caspase-10
CPE	Carboxypeptidase E
CKAP2	Cytoskeleton-associated protein 2
DLL1	Delta-like protein 1
GPC6	Glypican-6
KRT18	Keratin, type I cytoskeletal 18
SEMA3E	Semaphorin-3E
LEPR	Leptin receptor
COLEC12	Collectin-12
GRB2	Growth factor receptor-bound protein 2
FOLH1	Glutamate carboxypeptidase 2
ICAM2	Intercellular adhesion molecule 2
SLAMF7	SLAM family member 7
SPOCK2	Testican-2
NRP1	Neuropilin-1
YWHAZ	14-3-3 protein zeta/delta
ALDOA	Fructose-bisphosphate aldolase A
PSME1	Proteasome activator complex subunit 1
NTN1	Netrin-1
RSPO4	R-spondin-4
CTSH	Cathepsin H
ROR1	Tyrosine-protein kinase transmembrane receptor R
MMP10	Stromelysin-2
SUMO3	Small ubiquitin-related modifier 3
MMP8	Neutrophil collagenase
FAM3B	Protein FAM3B

IFNAR1	Interferon alpha/beta receptor 1
LGALS9	Galectin-9
UBE2G2	Ubiquitin-conjugating enzyme E2 G2
DLL1	Delta-like protein 1
GPC6	Glypican-6
KRT18	Keratin, type I cytoskeletal 18
SEMA3E	Semaphorin-3E
LEPR	Leptin receptor
COLEC12	Collectin-12
GRB2	Growth factor receptor-bound protein 2
HSP90AB1	Heat shock protein HSP 90-beta
IL17RC	Interleukin-17 receptor C
FOLH1	Glutamate carboxypeptidase 2
ICAM2	Intercellular adhesion molecule 2
SLAMF7	SLAM family member 7
SPOCK2	Testican-2
NRP1	Neuropilin-1
NGF	beta-nerve growth factor
YWHAZ	14-3-3 protein zeta/delta
ALDOA	Fructose-bisphosphate aldolase A
PSME1	Proteasome activator complex subunit 1
NTN1	Netrin-1
TPM4	Tropomyosin alpha-4 chain
RSPO4	R-spondin-4
CTSH	Cathepsin H
ROR1	Tyrosine-protein kinase transmembrane receptor R
MMP10	Stromelysin-2
SUMO3	Small ubiquitin-related modifier 3
MMP8	Neutrophil collagenase
FAM3B	Protein FAM3B
IFNAR1	Interferon alpha/beta receptor 1
LGALS9	Galectin-9
UBE2G2	Ubiquitin-conjugating enzyme E2 G2
IL10RA	Interleukin-10 receptor subunit alpha
N6AMT1	HemK methyltransferase family member 2
REG4	Regenerating islet-derived protein 4
CHI3L1	Chitinase-3-like protein 1
RSPO3	R-spondin-3
SPP1	Osteopontin
SERPINA10	Protein Z-dependent protease inhibitor
VTN	Vitronectin
DSC2	Desmocollin-2
HK1	Hexokinase-1
S100A4	Protein S100-A4
RNF43	E3 ubiquitin-protein ligase RNF43

IL1R2	Interleukin-1 receptor type 2
AMIGO2	Amphoterin-induced protein 2
CD93	Complement component C1q receptor
NRG4	Neuregulin-4
ISG15	Ubiquitin-like protein ISG15
F11	Coagulation Factor XI
FGF8	Fibroblast growth factor 8 isoform B
KIT	Mast/stem cell growth factor receptor Kit
CDH1	Cadherin-1
CCL21	C-C motif chemokine 21
IGFBP3	Insulin-like growth factor-binding protein 3
CCL2	C-C motif chemokine 2
MMP9	Matrix metalloproteinase-9
ERBB4	Receptor tyrosine-protein kinase erbB-4
HSP90AA1 HSP90AB1	Heat shock protein HSP 90-alpha/beta
IL1RAP	Interleukin-1 Receptor accessory protein
IL10RB	Interleukin-10 receptor subunit beta
LAYN	Layilin
LTBR	Tumor necrosis factor receptor superfamily membe
EGFR	Epidermal growth factor receptor
HGF	Hepatocyte growth factor
MIA	Melanoma-derived growth regulatory protein
PF4	Platelet factor 4
AIMP1	Endothelial monocyte-activating polypeptide 2
POR	NADPH--cytochrome P450 reductase
SIGLEC7	Sialic acid-binding Ig-like lectin 7
ULBP3	NKG2D ligand 3
FGF19	Fibroblast growth factor 19
HPX	Hemopexin
IL16	Interleukin-16
IL22	Interleukin-22
SOD1	Superoxide dismutase [Cu-Zn]
AGRP	Agouti-related protein
SPINT1	Kunitz-type protease inhibitor 1
KLK11	Kallikrein-11
MET	Hepatocyte growth factor receptor
FRZB	Secreted frizzled-related protein 3
TIE1	Tyrosine-protein kinase receptor Tie-1, soluble
RPS27A	Ubiquitin+1, truncated mutation for UbB
C5	C5a anaphylatoxin
MAPK3	Mitogen-activated protein kinase 3
UBE2I	SUMO-conjugating enzyme UBC9
C7	Complement component C7
CCL14	C-C motif chemokine 14
CCL23	C-C motif chemokine 23

NBL1	Neuroblastoma suppressor of tumorigenicity 1
GHR	Growth hormone receptor
CGA LHB	Luteinizing hormone
PROC	Vitamin K-dependent protein C
CLEC11A	Stem Cell Growth Factor-beta
TNFSF15	Tumor necrosis factor ligand superfamily member
AREG	Amphiregulin
BMP7	Bone morphogenetic protein 7
PTPN1	Tyrosine-protein phosphatase non-receptor type 1
SIGLEC9	Sialic acid-binding Ig-like lectin 9
CCL23	Ck-beta-8-1
CD209	CD209 antigen
CGA FSHB	Follicle stimulating hormone
CXCL11	C-X-C motif chemokine 11
MB	Myoglobin
CCL18	C-C motif chemokine 18
HP	Haptoglobin
CTSB	Cathepsin B
LGALS3	Galectin-3
IDUA	Alpha-L-iduronidase
ARSB	Arylsulfatase B
NAAA	N-acylethanolamine-hydrolyzing acid amidase
ADAMTS13	A disintegrin and metalloproteinase with thrombos
CA4	Carbonic anhydrase 4
CTSA	Lysosomal protective protein
ENTPD1	Ectonucleoside triphosphate diphosphohydrolase 1
F7	Coagulation factor VII
GP6	Platelet glycoprotein VI
GNLY	Granulysin
HAPLN1	Hyaluronan and proteoglycan link protein 1
NID1	Nidogen-1
PIGR	Polymeric immunoglobulin receptor
RET	Proto-oncogene tyrosine-protein kinase receptor R
ACP5	Tartrate-resistant acid phosphatase type 5
WFIKKN2	WAP, Kazal, immunoglobulin, Kunitz and NTR dc
CD109	CD109 antigen
FCER2	Low affinity immunoglobulin epsilon Fc receptor
CD5L	CD5 antigen-like
CNTN2	Contactin-2
CNTN4	Contactin-4
CST6	Cystatin-M
FCGR3B	Low affinity immunoglobulin gamma Fc region rec
FCGR1A	High affinity immunoglobulin gamma Fc receptor I
GFRA1	GDNF family receptor alpha-1
GPC2	Glypican-2

SERPIND1	Heparin cofactor 2
LRIG3	Leucine-rich repeats and immunoglobulin-like dom
THBS2	Thrombospondin-2
THBS4	Thrombospondin-4
DKK4	Dickkopf-related protein 4
ECM1	Extracellular matrix protein 1
KLK7	Kallikrein-7
REN	Renin
PTPN11	Tyrosine-protein phosphatase non-receptor type 1
TPSB2	Tryptase beta-2
UFC1	Ubiquitin-fold modifier-conjugating enzyme 1
BTK	Tyrosine-protein kinase BTK
CAMK1D	Calcium/calmodulin-dependent protein kinase type
TNFSF8	Tumor necrosis factor ligand superfamily member
EPHA1	Ephrin type-A receptor 1
FN1	Fibronectin Fragment 4
FSTL3	Follistatin-related protein 3
KLK6	Kallikrein-6
POSTN	Periostin
PDGFRB	Platelet-derived growth factor receptor beta
SELE	E-selectin
CCL22	C-C motif chemokine 22
CCL15	C-C motif chemokine 15
ARSA	Arylsulfatase A
CAMK1	Calcium/calmodulin-dependent protein kinase type
CLEC7A	C-type lectin domain family 7 member A
ECE1	Endothelin-converting enzyme 1
HGFAC	Hepatocyte growth factor activator
LY86	Lymphocyte antigen 86
NID2	Nidogen-2
OLR1	Oxidized low-density lipoprotein receptor 1
TEC	Tyrosine-protein kinase Tec
CFHR5	Complement factor H-related protein 5
IGF2R	Cation-independent mannose-6-phosphate recepto
PYY	Peptide YY
ANGPTL4	Angiopoietin-related protein 4
CA3	Carbonic anhydrase 3
ESM1	Endothelial cell-specific molecule 1
FYN	Tyrosine-protein kinase Fyn
MAPKAPK3	MAP kinase-activated protein kinase 3
PAK6	Serine/threonine-protein kinase PAK 6
TPT1	Translationally-controlled tumor protein
KPNB1	Importin subunit beta-1
NAGK	N-acetyl-D-glucosamine kinase
SKP1	S-phase kinase-associated protein 1

IL6R	Interleukin-6 receptor subunit alpha
PLG	Plasminogen
MMP2	72 kDa type IV collagenase
YWHAB,YWHAE,YWHAG,YWHAH,YWHAQ,Y	14-3-3 protein family
PGD	6-phosphogluconate dehydrogenase, decarboxylati
AKR1A1	Alcohol dehydrogenase [NADP(+)]
IGF1R	Insulin-like growth factor 1 receptor
IL1RL1	Interleukin-1 receptor-like 1
PFDN5	Prefoldin subunit 5
SPON1	Spondin-1
CRP	C-reactive protein
ICAM1	Intercellular adhesion molecule 1
GDF15	Growth/differentiation factor 15
IFNL2	Interferon lambda-2
MST1	Hepatocyte growth factor-like protein
ADAM12	Disintegrin and metalloproteinase domain-containi
COLEC11	Collectin-11
ENTPD3	Ectonucleoside triphosphate diphosphohydrolase 3
PCSK7	Proprotein convertase subtilisin/kexin type 7
SPARCL1	SPARC-like protein 1
SERPING1	Plasma protease C1 inhibitor
FGF7	Fibroblast growth factor 7
KNG1	Kininogen-1
CLEC11A	Stem cell growth factor-alpha
BST1	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 2
CDON	Cell adhesion molecule-related/down-regulated by
CLU	Clusterin
FUT5	Alpha-(1,3)-fucosyltransferase 5
KIRREL3	Kin of IRRE-like protein 3
PLXNC1	Plexin-C1
PPY	Pancreatic hormone
LTA	Lymphotoxin-alpha
TFF3	Trefoil factor 3
SMPDL3A	Acid sphingomyelinase-like phosphodiesterase 3a
GSN	Gelsolin
TXNDC12	Thioredoxin domain-containing protein 12
SELL	L-Selectin
EPHA2	Ephrin type-A receptor 2
CSF3	Granulocyte colony-stimulating factor
NTRK2	BDNF/NT-3 growth factors receptor
ANG	Angiogenin
COTL1	Coactosin-like protein
F5	Coagulation Factor V
LGALS8	Galectin-8
GSTP1	Glutathione S-transferase P

CCL16	C-C motif chemokine 16
HBA1 HBB	Hemoglobin
LYZ	Lysozyme C
SHBG	Sex hormone-binding globulin
RPSA	40S ribosomal protein SA
CDNF	Cerebral dopamine neurotrophic factor
ERAP1	Endoplasmic reticulum aminopeptidase 1
C1QBP	Complement component 1 Q subcomponent-bindir
CAPG	Macrophage-capping protein
CTSZ	Cathepsin Z
CRK	Adapter molecule crk
ESD	S-formylglutathione hydrolase
FGG	Fibrinogen gamma chain
GRN	Granulins
SCGB2A1	Mammaglobin-B
AK1	Adenylate kinase isoenzyme 1
PLA2G7	Platelet-activating factor acetylhydrolase
PGK1	Phosphoglycerate kinase 1
TNFAIP6	Tumor necrosis factor-inducible gene 6 protein
CD274	Programmed cell death 1 ligand 1
CRTAM	Cytotoxic and regulatory T-cell molecule
IL17RB	Interleukin-17 receptor B
LILRB2	Leukocyte immunoglobulin-like receptor subfamily
JAG1	Protein jagged-1
SCARF1	Scavenger receptor class F member 1
IL27RA	Interleukin-27 receptor subunit alpha
HAVCR2	Hepatitis A virus cellular receptor 2
IMPDH1	Inosine-5'-monophosphate dehydrogenase 1
PRKAA2 PRKAB2 PRKAG1	AMP Kinase (alpha2beta2gamma1)
APOE	Apolipoprotein E (isoform E2)
CASP10	Caspase-10
CPE	Carboxypeptidase E
CKAP2	Cytoskeleton-associated protein 2
DLL1	Delta-like protein 1
GPC6	Glypican-6
KRT18	Keratin, type I cytoskeletal 18
SEMA3E	Semaphorin-3E
LEPR	Leptin receptor
COLEC12	Collectin-12
GRB2	Growth factor receptor-bound protein 2
HSP90AB1	Heat shock protein HSP 90-beta
IL17RC	Interleukin-17 receptor C
FOLH1	Glutamate carboxypeptidase 2
ICAM2	Intercellular adhesion molecule 2
SLAMF7	SLAM family member 7

SPOCK2	Testican-2
NRP1	Neuropilin-1
NGF	beta-nerve growth factor
YWHAZ	14-3-3 protein zeta/delta
ALDOA	Fructose-bisphosphate aldolase A
PSME1	Proteasome activator complex subunit 1
NTN1	Netrin-1
TPM4	Tropomyosin alpha-4 chain
RSPO4	R-spondin-4
CTSH	Cathepsin H
ROR1	Tyrosine-protein kinase transmembrane receptor R
MMP10	Stromelysin-2
SUMO3	Small ubiquitin-related modifier 3
MMP8	Neutrophil collagenase
FAM3B	Protein FAM3B
IFNAR1	Interferon alpha/beta receptor 1
LGALS9	Galectin-9
UBE2G2	Ubiquitin-conjugating enzyme E2 G2
IL10RA	Interleukin-10 receptor subunit alpha
N6AMT1	HemK methyltransferase family member 2
REG4	Regenerating islet-derived protein 4
CHI3L1	Chitinase-3-like protein 1
SPP1	Osteopontin
SERPINA10	Protein Z-dependent protease inhibitor
VTN	Vitronectin
DSC2	Desmocollin-2
HK1	Hexokinase-1
S100A4	Protein S100-A4
RNF43	E3 ubiquitin-protein ligase RNF43
IL1R2	Interleukin-1 receptor type 2
AMIGO2	Amphoterin-induced protein 2
CD93	Complement component C1q receptor
NRG4	Neuregulin-4
ISG15	Ubiquitin-like protein ISG15
F11	Coagulation Factor XI
FGF8	Fibroblast growth factor 8 isoform B
KIT	Mast/stem cell growth factor receptor Kit
CCL21	C-C motif chemokine 21
IGFBP3	Insulin-like growth factor-binding protein 3
CCL2	C-C motif chemokine 2
MMP9	Matrix metalloproteinase-9
ERBB4	Receptor tyrosine-protein kinase erbB-4
HSP90AA1 HSP90AB1	Heat shock protein HSP 90-alpha/beta
IL1RAP	Interleukin-1 Receptor accessory protein
IL10RB	Interleukin-10 receptor subunit beta

LAYN	Layilin
LTBR	Tumor necrosis factor receptor superfamily membe
EGFR	Epidermal growth factor receptor
HGF	Hepatocyte growth factor
MIA	Melanoma-derived growth regulatory protein
PF4	Platelet factor 4
AIMP1	Endothelial monocyte-activating polypeptide 2
POR	NADPH--cytochrome P450 reductase
SIGLEC7	Sialic acid-binding Ig-like lectin 7
ULBP3	NKG2D ligand 3
FGF19	Fibroblast growth factor 19
HPX	Hemopexin
IL16	Interleukin-16
IL22	Interleukin-22
SOD1	Superoxide dismutase [Cu-Zn]
AGRP	Agouti-related protein
SPINT1	Kunitz-type protease inhibitor 1
KLK11	Kallikrein-11
MET	Hepatocyte growth factor receptor
FRZB	Secreted frizzled-related protein 3
TIE1	Tyrosine-protein kinase receptor Tie-1, soluble
RPS27A	Ubiquitin+1, truncated mutation for UbB
C5	C5a anaphylatoxin
MAPK3	Mitogen-activated protein kinase 3
UBE2I	SUMO-conjugating enzyme UBC9
C7	Complement component C7
CCL14	C-C motif chemokine 14
CCL23	C-C motif chemokine 23
NBL1	Neuroblastoma suppressor of tumorigenicity 1
CFD	Complement factor D
GHR	Growth hormone receptor
CGA LHB	Luteinizing hormone
PROC	Vitamin K-dependent protein C
CLEC11A	Stem Cell Growth Factor-beta
TNFSF15	Tumor necrosis factor ligand superfamily member
AREG	Amphiregulin
BMP7	Bone morphogenetic protein 7
PTPN1	Tyrosine-protein phosphatase non-receptor type 1
SIGLEC9	Sialic acid-binding Ig-like lectin 9
CCL23	Ck-beta-8-1
CD209	CD209 antigen
CGA FSHB	Follicle stimulating hormone
CXCL11	C-X-C motif chemokine 11
MB	Myoglobin
CCL18	C-C motif chemokine 18

HP	Haptoglobin
CTSB	Cathepsin B
LGALS3	Galectin-3
LBP	Lipopolysaccharide-binding protein
IDUA	Alpha-L-iduronidase
ARSB	Arylsulfatase B
NAAA	N-acylethanolamine-hydrolyzing acid amidase
ADAMTS13	A disintegrin and metalloproteinase with thrombos
CA4	Carbonic anhydrase 4
CTSA	Lysosomal protective protein
ENTPD1	Ectonucleoside triphosphate diphosphohydrolase 1
F7	Coagulation factor VII
GP6	Platelet glycoprotein VI
GNLY	Granulysin
NID1	Nidogen-1
PIGR	Polymeric immunoglobulin receptor
RET	Proto-oncogene tyrosine-protein kinase receptor R
ACP5	Tartrate-resistant acid phosphatase type 5
WFIKKN2	WAP, Kazal, immunoglobulin, Kunitz and NTR do
CD109	CD109 antigen
FCER2	Low affinity immunoglobulin epsilon Fc receptor
CD5L	CD5 antigen-like
CNTN2	Contactin-2
CNTN4	Contactin-4
CST6	Cystatin-M
FCGR3B	Low affinity immunoglobulin gamma Fc region rec
FCGR1A	High affinity immunoglobulin gamma Fc receptor I
GFRA1	GDNF family receptor alpha-1
SERPIND1	Heparin cofactor 2
LRIG3	Leucine-rich repeats and immunoglobulin-like dom
THBS2	Thrombospondin-2
THBS4	Thrombospondin-4
DKK4	Dickkopf-related protein 4
ECM1	Extracellular matrix protein 1
KLK7	Kallikrein-7
REN	Renin
PTPN11	Tyrosine-protein phosphatase non-receptor type 1
TPSB2	Tryptase beta-2
UFC1	Ubiquitin-fold modifier-conjugating enzyme 1
BTK	Tyrosine-protein kinase BTK
CAMK1D	Calcium/calmodulin-dependent protein kinase type
TNFSF8	Tumor necrosis factor ligand superfamily member
EPHA1	Ephrin type-A receptor 1
FN1	Fibronectin Fragment 4
FSTL3	Follistatin-related protein 3

KLK6	Kallikrein-6
PDGFRB	Platelet-derived growth factor receptor beta
BCAN	Brevican core protein
SELE	E-selectin
CCL22	C-C motif chemokine 22
CCL15	C-C motif chemokine 15
ARSA	Arylsulfatase A
CAMK1	Calcium/calmodulin-dependent protein kinase type
CLEC7A	C-type lectin domain family 7 member A
DPP7	Dipeptidyl peptidase 2
ECE1	Endothelin-converting enzyme 1
HGFAC	Hepatocyte growth factor activator
LY86	Lymphocyte antigen 86
NID2	Nidogen-2
OLR1	Oxidized low-density lipoprotein receptor 1
TEC	Tyrosine-protein kinase Tec
CFHR5	Complement factor H-related protein 5
IGF2R	Cation-independent mannose-6-phosphate recepto
PYY	Peptide YY
TNFRSF4	Tumor necrosis factor receptor superfamily membe
ANGPTL4	Angiopoietin-related protein 4
CA3	Carbonic anhydrase 3
ESM1	Endothelial cell-specific molecule 1
FYN	Tyrosine-protein kinase Fyn
MAPKAPK3	MAP kinase-activated protein kinase 3
PAK6	Serine/threonine-protein kinase PAK 6
TPT1	Translationally-controlled tumor protein
KPNB1	Importin subunit beta-1
NAGK	N-acetyl-D-glucosamine kinase
SKP1	S-phase kinase-associated protein 1
IL6R	Interleukin-6 receptor subunit alpha
PLG	Plasminogen
TNC	Tenascin
MMP2	72 kDa type IV collagenase
YWHAB,YWHAE,YWHAG,YWHAH,YWHAQ,Y	14-3-3 protein family
PGD	6-phosphogluconate dehydrogenase, decarboxylati
AKR1A1	Alcohol dehydrogenase [NADP(+)]
CFL1	Cofilin-1
IGF1R	Insulin-like growth factor 1 receptor
IL1RL1	Interleukin-1 receptor-like 1
PFDN5	Prefoldin subunit 5
CRP	C-reactive protein
ICAM1	Intercellular adhesion molecule 1
GDF15	Growth/differentiation factor 15
IFNL2	Interferon lambda-2

MST1	Hepatocyte growth factor-like protein
ADAM12	Disintegrin and metalloproteinase domain-containi
COLEC11	Collectin-11
ENTPD3	Ectonucleoside triphosphate diphosphohydrolase 3
PCSK7	Proprotein convertase subtilisin/kexin type 7
SPARCL1	SPARC-like protein 1
SERPING1	Plasma protease C1 inhibitor
FGF7	Fibroblast growth factor 7
KNG1	Kininogen-1
CLEC11A	Stem cell growth factor-alpha
BST1	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 2
CDON	Cell adhesion molecule-related/down-regulated by
CLU	Clusterin
FUT5	Alpha-(1,3)-fucosyltransferase 5
KIRREL3	Kin of IRRE-like protein 3
PLXNC1	Plexin-C1
PPY	Pancreatic hormone
LTA	Lymphotoxin-alpha
TFF3	Trefoil factor 3
SMPDL3A	Acid sphingomyelinase-like phosphodiesterase 3a
GSN	Gelsolin
TXNDC12	Thioredoxin domain-containing protein 12
SELL	L-Selectin
EPHA2	Ephrin type-A receptor 2
CSF3	Granulocyte colony-stimulating factor
NTRK2	BDNF/NT-3 growth factors receptor
ANG	Angiogenin
COTL1	Coactosin-like protein
F5	Coagulation Factor V
LGALS8	Galectin-8
GSTP1	Glutathione S-transferase P
CCL16	C-C motif chemokine 16
HBA1 HBB	Hemoglobin
LYZ	Lysozyme C
SHBG	Sex hormone-binding globulin
RPSA	40S ribosomal protein SA
CDNF	Cerebral dopamine neurotrophic factor
ERAP1	Endoplasmic reticulum aminopeptidase 1
C1QBP	Complement component 1 Q subcomponent-bindi
CAPG	Macrophage-capping protein
CRK	Adapter molecule crk
ESD	S-formylglutathione hydrolase
FGG	Fibrinogen gamma chain
GRN	Granulins
SCGB2A1	Mammaglobin-B

AK1	Adenylate kinase isoenzyme 1
PLA2G7	Platelet-activating factor acetylhydrolase
PGK1	Phosphoglycerate kinase 1
TNFAIP6	Tumor necrosis factor-inducible gene 6 protein
CD274	Programmed cell death 1 ligand 1
CRTAM	Cytotoxic and regulatory T-cell molecule
IL17RB	Interleukin-17 receptor B
LILRB2	Leukocyte immunoglobulin-like receptor subfamily
JAG1	Protein jagged-1
SCARF1	Scavenger receptor class F member 1
IL27RA	Interleukin-27 receptor subunit alpha
HAVCR2	Hepatitis A virus cellular receptor 2
PRKAA2 PRKAB2 PRKAG1	AMP Kinase (alpha2beta2gamma1)
APOE	Apolipoprotein E (isoform E2)
CASP10	Caspase-10
CPE	Carboxypeptidase E
CKAP2	Cytoskeleton-associated protein 2
DLL1	Delta-like protein 1
GPC6	Glypican-6
KRT18	Keratin, type I cytoskeletal 18
SEMA3E	Semaphorin-3E
LEPR	Leptin receptor
COLEC12	Collectin-12
GRB2	Growth factor receptor-bound protein 2
HSP90AB1	Heat shock protein HSP 90-beta
FOLH1	Glutamate carboxypeptidase 2
ICAM2	Intercellular adhesion molecule 2
SLAMF7	SLAM family member 7
SPOCK2	Testican-2
NRP1	Neuropilin-1
YWHAZ	14-3-3 protein zeta/delta
ALDOA	Fructose-bisphosphate aldolase A
PSME1	Proteasome activator complex subunit 1
NTN1	Netrin-1
TPM4	Tropomyosin alpha-4 chain
RSPO4	R-spondin-4
CTSH	Cathepsin H
ROR1	Tyrosine-protein kinase transmembrane receptor R
MMP10	Stromelysin-2
SUMO3	Small ubiquitin-related modifier 3
MMP8	Neutrophil collagenase
FAM3B	Protein FAM3B
IFNAR1	Interferon alpha/beta receptor 1
LGALS9	Galectin-9
UBE2G2	Ubiquitin-conjugating enzyme E2 G2

IL10RA	Interleukin-10 receptor subunit alpha
N6AMT1	HemK methyltransferase family member 2
REG4	Regenerating islet-derived protein 4
CHI3L1	Chitinase-3-like protein 1
SPP1	Osteopontin
SERPINA10	Protein Z-dependent protease inhibitor
VTN	Vitronectin
DSC2	Desmocollin-2
HK1	Hexokinase-1
S100A4	Protein S100-A4
RNF43	E3 ubiquitin-protein ligase RNF43
IL1R2	Interleukin-1 receptor type 2
AMIGO2	Amphoterin-induced protein 2
CD93	Complement component C1q receptor
NRG4	Neuregulin-4
ISG15	Ubiquitin-like protein ISG15
F11	Coagulation Factor XI
FGF8	Fibroblast growth factor 8 isoform B
KIT	Mast/stem cell growth factor receptor Kit
CCL21	C-C motif chemokine 21
IGFBP3	Insulin-like growth factor-binding protein 3
CCL2	C-C motif chemokine 2
MMP9	Matrix metalloproteinase-9
ERBB4	Receptor tyrosine-protein kinase erbB-4
HSP90AA1 HSP90AB1	Heat shock protein HSP 90-alpha/beta
IL1RAP	Interleukin-1 Receptor accessory protein
IL10RB	Interleukin-10 receptor subunit beta
LAYN	Layilin
LTBR	Tumor necrosis factor receptor superfamily membe
EGFR	Epidermal growth factor receptor
HGF	Hepatocyte growth factor
MIA	Melanoma-derived growth regulatory protein
PF4	Platelet factor 4
AIMP1	Endothelial monocyte-activating polypeptide 2
POR	NADPH--cytochrome P450 reductase
SIGLEC7	Sialic acid-binding Ig-like lectin 7
ULBP3	NKG2D ligand 3
FGF19	Fibroblast growth factor 19
HPX	Hemopexin
IL16	Interleukin-16
IL22	Interleukin-22
SOD1	Superoxide dismutase [Cu-Zn]
AGRP	Agouti-related protein
SPINT1	Kunitz-type protease inhibitor 1
KLK11	Kallikrein-11

MET	Hepatocyte growth factor receptor
FRZB	Secreted frizzled-related protein 3
TIE1	Tyrosine-protein kinase receptor Tie-1, soluble
RPS27A	Ubiquitin+1, truncated mutation for UbB
C5	C5a anaphylatoxin
MAPK3	Mitogen-activated protein kinase 3
UBE2I	SUMO-conjugating enzyme UBC9
C7	Complement component C7
CCL14	C-C motif chemokine 14
CCL23	C-C motif chemokine 23
NBL1	Neuroblastoma suppressor of tumorigenicity 1
CFD	Complement factor D
GHR	Growth hormone receptor
CGA LHB	Luteinizing hormone
PROC	Vitamin K-dependent protein C
CLEC11A	Stem Cell Growth Factor-beta
TNFSF15	Tumor necrosis factor ligand superfamily member
AREG	Amphiregulin
BMP7	Bone morphogenetic protein 7
PTPN1	Tyrosine-protein phosphatase non-receptor type 1
SIGLEC9	Sialic acid-binding Ig-like lectin 9
CCL23	Ck-beta-8-1
CD209	CD209 antigen
CGA FSHB	Follicle stimulating hormone
CXCL11	C-X-C motif chemokine 11
CCL18	C-C motif chemokine 18
HP	Haptoglobin
CTSB	Cathepsin B
LGALS3	Galectin-3
LBP	Lipopolysaccharide-binding protein
IDUA	Alpha-L-iduronidase
ARSB	Arylsulfatase B
NAAA	N-acylethanolamine-hydrolyzing acid amidase
ADAMTS13	A disintegrin and metalloproteinase with thrombos
CA4	Carbonic anhydrase 4
CTSA	Lysosomal protective protein
ENTPD1	Ectonucleoside triphosphate diphosphohydrolase 1
F7	Coagulation factor VII
GP6	Platelet glycoprotein VI
GNLY	Granulysin
NID1	Nidogen-1
PIGR	Polymeric immunoglobulin receptor
RET	Proto-oncogene tyrosine-protein kinase receptor R
ACP5	Tartrate-resistant acid phosphatase type 5
WFIKKN2	WAP, Kazal, immunoglobulin, Kunitz and NTR dc

CD109	CD109 antigen
FCER2	Low affinity immunoglobulin epsilon Fc receptor
CD5L	CD5 antigen-like
CNTN2	Contactin-2
CNTN4	Contactin-4
CST6	Cystatin-M
FCGR3B	Low affinity immunoglobulin gamma Fc region rec
FCGR1A	High affinity immunoglobulin gamma Fc receptor I
GFRA1	GDNF family receptor alpha-1
SERPIND1	Heparin cofactor 2
LRIG3	Leucine-rich repeats and immunoglobulin-like dom
THBS2	Thrombospondin-2
THBS4	Thrombospondin-4
DKK4	Dickkopf-related protein 4
ECM1	Extracellular matrix protein 1
KLK7	Kallikrein-7
REN	Renin
PTPN11	Tyrosine-protein phosphatase non-receptor type 1
TPSB2	Tryptase beta-2
UFC1	Ubiquitin-fold modifier-conjugating enzyme 1
BTK	Tyrosine-protein kinase BTK
CAMK1D	Calcium/calmodulin-dependent protein kinase type
TNFSF8	Tumor necrosis factor ligand superfamily member
EPHA1	Ephrin type-A receptor 1
FN1	Fibronectin Fragment 4
FSTL3	Follistatin-related protein 3
KLK6	Kallikrein-6
PDGFRB	Platelet-derived growth factor receptor beta
BCAN	Brevican core protein
SELE	E-selectin
CCL22	C-C motif chemokine 22
CCL15	C-C motif chemokine 15
ARSA	Arylsulfatase A
CAMK1	Calcium/calmodulin-dependent protein kinase type
CLEC7A	C-type lectin domain family 7 member A
DPP7	Dipeptidyl peptidase 2
ECE1	Endothelin-converting enzyme 1
HGFAC	Hepatocyte growth factor activator
LY86	Lymphocyte antigen 86
NID2	Nidogen-2
OLR1	Oxidized low-density lipoprotein receptor 1
TEC	Tyrosine-protein kinase Tec
CFHR5	Complement factor H-related protein 5
IGF2R	Cation-independent mannose-6-phosphate recepto
PYY	Peptide YY

TNFRSF4	Tumor necrosis factor receptor superfamily membe
ANGPTL4	Angiopoietin-related protein 4
CA3	Carbonic anhydrase 3
ESM1	Endothelial cell-specific molecule 1
FYN	Tyrosine-protein kinase Fyn
MAPKAPK3	MAP kinase-activated protein kinase 3
PAK6	Serine/threonine-protein kinase PAK 6
TPT1	Translationally-controlled tumor protein
KPNB1	Importin subunit beta-1
NAGK	N-acetyl-D-glucosamine kinase
SKP1	S-phase kinase-associated protein 1
IL6R	Interleukin-6 receptor subunit alpha
PLG	Plasminogen
TNC	Tenascin
MMP2	72 kDa type IV collagenase
YWHAB,YWHAE,YWHAG,YWHAH,YWHAQ,Y	14-3-3 protein family
PGD	6-phosphogluconate dehydrogenase, decarboxylati
AKR1A1	Alcohol dehydrogenase [NADP(+)]
CFL1	Cofilin-1
IGF1R	Insulin-like growth factor 1 receptor
IL1RL1	Interleukin-1 receptor-like 1
PFDN5	Prefoldin subunit 5
CRP	C-reactive protein
ICAM1	Intercellular adhesion molecule 1
GDF15	Growth/differentiation factor 15
IFNL2	Interferon lambda-2
MST1	Hepatocyte growth factor-like protein
ADAM12	Disintegrin and metalloproteinase domain-containi
COLEC11	Collectin-11
ENTPD3	Ectonucleoside triphosphate diphosphohydrolase 3
PCSK7	Proprotein convertase subtilisin/kexin type 7
SPARCL1	SPARC-like protein 1
SERPING1	Plasma protease C1 inhibitor
FGF7	Fibroblast growth factor 7
KNG1	Kininogen-1
CLEC11A	Stem cell growth factor-alpha
BST1	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 2
CDON	Cell adhesion molecule-related/down-regulated by
CLU	Clusterin
FUT5	Alpha-(1,3)-fucosyltransferase 5
KIRREL3	Kin of IRRE-like protein 3
PLXNC1	Plexin-C1
PPY	Pancreatic hormone
LTA	Lymphotoxin-alpha
TFF3	Trefoil factor 3

SMPDL3A	Acid sphingomyelinase-like phosphodiesterase 3a
GSN	Gelsolin
TXNDC12	Thioredoxin domain-containing protein 12
SELL	L-Selectin
EPHA2	Ephrin type-A receptor 2
CSF3	Granulocyte colony-stimulating factor
NTRK2	BDNF/NT-3 growth factors receptor
ANG	Angiogenin
COTL1	Coactosin-like protein
F5	Coagulation Factor V
LGALS8	Galectin-8
GSTP1	Glutathione S-transferase P
CCL16	C-C motif chemokine 16
HBA1 HBB	Hemoglobin
LYZ	Lysozyme C
SHBG	Sex hormone-binding globulin
RPSA	40S ribosomal protein SA
CDNF	Cerebral dopamine neurotrophic factor
ERAP1	Endoplasmic reticulum aminopeptidase 1
C1QBP	Complement component 1 Q subcomponent-bindir
CAPG	Macrophage-capping protein
CRK	Adapter molecule crk
ESD	S-formylglutathione hydrolase
FGG	Fibrinogen gamma chain
GRN	Granulins
SCGB2A1	Mammaglobin-B
AK1	Adenylate kinase isoenzyme 1
PLA2G7	Platelet-activating factor acetylhydrolase
PGK1	Phosphoglycerate kinase 1
TNFAIP6	Tumor necrosis factor-inducible gene 6 protein
CD274	Programmed cell death 1 ligand 1
CRTAM	Cytotoxic and regulatory T-cell molecule
IL17RB	Interleukin-17 receptor B
LILRB2	Leukocyte immunoglobulin-like receptor subfamily
JAG1	Protein jagged-1
SCARF1	Scavenger receptor class F member 1
IL27RA	Interleukin-27 receptor subunit alpha
HAVCR2	Hepatitis A virus cellular receptor 2
PRKAA2 PRKAB2 PRKAG1	AMP Kinase (alpha2beta2gamma1)
APOE	Apolipoprotein E (isoform E2)
CASP10	Caspase-10
CPE	Carboxypeptidase E
CKAP2	Cytoskeleton-associated protein 2
DLL1	Delta-like protein 1
GPC6	Glypican-6

KRT18	Keratin, type I cytoskeletal 18
SEMA3E	Semaphorin-3E
LEPR	Leptin receptor
COLEC12	Collectin-12
GRB2	Growth factor receptor-bound protein 2
HSP90AB1	Heat shock protein HSP 90-beta
FOLH1	Glutamate carboxypeptidase 2
ICAM2	Intercellular adhesion molecule 2
SLAMF7	SLAM family member 7
SPOCK2	Testican-2
NRP1	Neuropilin-1
YWHAZ	14-3-3 protein zeta/delta
ALDOA	Fructose-bisphosphate aldolase A
PSME1	Proteasome activator complex subunit 1
NTN1	Netrin-1
TPM4	Tropomyosin alpha-4 chain
RSPO4	R-spondin-4
CTSH	Cathepsin H
ROR1	Tyrosine-protein kinase transmembrane receptor R
MMP10	Stromelysin-2
SUMO3	Small ubiquitin-related modifier 3
MMP8	Neutrophil collagenase
FAM3B	Protein FAM3B
IFNAR1	Interferon alpha/beta receptor 1
LGALS9	Galectin-9
UBE2G2	Ubiquitin-conjugating enzyme E2 G2

UniProt_id
Q13651
Q9Y5N5
Q9BYZ8
P36222
P10451
P04004
Q02487
P19367
Q68DV7
P27930
Q86SJ2
Q9NPY3
Q8WWG1
P05161
P03951
P10721
P12830
O00585
P17936
P13500
P14780
Q15303
P07900 P08238
Q9NPH3
Q08334
Q6UX15
P36941
P00533
P14210
Q16674
Q12904
P16435
Q9BZM4
O95750
P02790
Q14005
Q9GZX6
P00441
O00253
O43278
Q9UBX7
P08581

Q92765
P35590
P62979
P01031
P27361
P63279
P10643
Q16627
P55773
P41271
P00746
P10912
P01215, P01229
P04070
Q9Y240
O95150
P15514
P18031
Q9Y336
P55773
Q9NNX6
P01215, P01225
O14625
P55774
P00738
P07858
P17931
P18428
P35475
P15848
Q02083
Q76LX8
P22748
P10619
P08709
Q9HCN6
P22749
P10915
P14543
P01833
P13686
Q8TEU8
Q6YHK3
P06734
O43866

Q02246
Q8IWV2
Q15828
O75015
P12314
P56159
P05546
Q6UXM1
P35442
P35443
Q9UBT3
Q16610
P00797
Q06124
Q9Y3C8
Q8IU85
P32971
P21709
P02751
O95633
Q92876
Q15063
P09619
P16581
O00626
Q16663
P15289
Q14012
Q9BXN2
Q9UHL4
P42892
Q04756
O95711
Q14112
P78380
P42680
P11717
P10082
P43489
Q9BY76
P07451
Q9NQ30
Q16644
Q9NQU5
P13693

Q14974
Q9UJ70
P63208
P08887
P00747
P24821
P08253
P31946, P62258, P61981, Q04917, P27348, P63104, P31947
P52209
P14550
P08069
Q01638
Q99471
Q9HCB6
P02741
P05362
Q99988
Q8IZJ0
P26927
O43184
Q9BWP8
O75355
Q16549
Q14515
P05155
P21781
P01042
Q9Y240
Q10588
Q4KMG0
P10909
Q11128
Q8IZU9
P01298
P01374
Q07654
Q92484
P06396
O95881
P14151
P29317
P09919
Q16620
P03950
Q14019

P12259
O00214
P09211
O15467
P69905, P68871
P61626
P04278
P08865
Q49AH0
Q9NZ08
Q07021
P40121
P46108
P10768
P02679
O75556
P00568
Q13093
P00558
P98066
Q9NZQ7
O95727
Q9NRM6
Q8N423
P78504
Q14162
Q8TDQ0
P02649
Q92851
P16870
Q8WWK9
O00548
Q9Y625
P05783
O15041
P48357
Q5KU26
P62993
P08238
Q8NAC3
P13598
Q9NQ25
Q92563
O14786
P63104

P04075
Q06323
O95631
Q2I0M5
P09668
Q01973
P09238
P55854
P22894
P58499
P17181
O00182
P60604
Q13651
Q9Y5N5
Q9BYZ8
P36222
P10451
Q9UK55
P04004
Q02487
P19367
P26447
Q68DV7
P27930
Q86SJ2
Q9NPY3
Q8WWG1
P05161
P03951
P55075
P10721
P12830
O00585
P17936
P13500
P14780
Q15303
P07900 P08238
Q9NPH3
Q08334
Q6UX15
P36941
P00533
P14210

Q16674
P02776
Q12904
P16435
Q9Y286
Q9BZM4
O95750
P02790
Q14005
Q9GZX6
P00441
O00253
O43278
Q9UBX7
P08581
Q92765
P35590
P62979
P01031
P27361
P63279
P10643
Q16627
P55773
P41271
P00746
P10912
P01215, P01229
P04070
Q9Y240
O95150
P15514
P18075
P18031
Q9Y336
P55773
Q9NNX6
P01215, P01225
O14625
P02144
P55774
P00738
P07858
P17931
P18428

P35475
P15848
Q02083
Q76LX8
P22748
P10619
P49961
P08709
Q9HCN6
P22749
P10915
P14543
P01833
P07949
P13686
Q8TEU8
Q6YHK3
P06734
O43866
Q02246
Q8IWV2
Q15828
O75015
P12314
P56159
P05546
Q6UXM1
P35442
P35443
Q9UBT3
Q16610
P49862
P00797
Q06124
P20231
Q9Y3C8
Q06187
Q8IU85
P32971
P21709
P02751
O95633
Q92876
Q15063
P09619

Q96GW7
O00626
Q16663
P15289
Q14012
Q9BXN2
Q9UHL4
P42892
Q04756
O95711
Q14112
P78380
P42680
Q9BXR6
P11717
P10082
P43489
Q9BY76
P07451
Q9NQ30
P06241
Q16644
Q9NQU5
P13693
Q14974
Q9UJ70
P63208
P08887
P00747
P24821
P08253
P31946, P62258, P61981, Q04917, P27348, P63104, P31947
P52209
P14550
P23528
P08069
Q01638
Q99471
Q9HCB6
P02741
P05362
Q99988
Q8IZJ0
P26927
O43184

Q9BWP8
O75355
Q16549
Q14515
P05155
P21781
P01042
Q9Y240
Q10588
Q4KMG0
P10909
Q11128
Q8IZU9
O60486
P01298
P01374
Q07654
Q92484
P06396
O95881
P14151
P29317
P09919
Q16620
P03950
Q14019
P12259
O00214
P09211
O15467
P69905, P68871
P61626
P04278
P08865
Q49AH0
Q9NZ08
Q07021
P40121
Q9UBR2
P46108
P10768
P02679
P28799
O75556
P00568

Q13093
P00558
P98066
Q9NZQ7
O95727
Q9NRM6
Q8N423
P78504
Q14162
Q6UWB1
Q8TDQ0
P54646 O43741 P54619
P02649
Q92851
P16870
Q8WWK9
O00548
Q9Y625
P05783
O15041
P48357
Q5KU26
P62993
P08238
Q8NAC3
Q04609
P13598
Q9NQ25
Q92563
O14786
P01138
P63104
P04075
Q06323
O95631
P67936
Q2I0M5
P09668
Q01973
P09238
P55854
P22894
P58499
P17181
O00182

P60604
Q13651
Q9Y5N5
Q9BYZ8
P36222
P10451
Q9UK55
P04004
Q02487
P19367
Q68DV7
P27930
Q86SJ2
Q9NPY3
Q8WWG1
P05161
P03951
P10721
O00585
P17936
P13500
P14780
Q15303
Q9NPH3
Q08334
Q6UX15
P36941
P00533
P14210
Q16674
Q12904
P16435
Q9BZM4
O95750
P02790
Q14005
Q9GZX6
P00441
O00253
O43278
Q9UBX7
P08581
Q92765
P35590
P62979

P01031
P27361
P63279
P10643
Q16627
P55773
P41271
P10912
P04070
O95150
P15514
P18031
Q9Y336
P55773
Q9NNX6
P01215, P01225
O14625
P55774
P00738
P07858
P17931
P18428
P35475
P15848
Q02083
Q76LX8
P22748
P10619
P49961
P08709
Q9HCN6
P22749
P14543
P01833
P13686
Q8TEU8
Q6YHK3
O43866
Q02246
Q8IWV2
Q15828
O75015
P12314
P56159
P05546

Q6UXM1
P35442
P35443
Q9UBT3
Q16610
P00797
Q06124
Q9Y3C8
Q06187
Q8IU85
P32971
P21709
P02751
Q92876
P09619
O00626
Q16663
P15289
Q14012
Q9BXN2
Q9UHL4
P42892
O95711
Q14112
P78380
P42680
Q9BXR6
P11717
P10082
Q9BY76
P07451
Q9NQ30
P06241
Q16644
Q9NQU5
P13693
Q14974
Q9UJ70
P63208
P08887
P00747
P24821
P08253
P31946, P62258, P61981, Q04917, P27348, P63104, P31947
P52209

P14550
P08069
Q01638
Q99471
P02741
P05362
Q99988
Q8IZJ0
P26927
O43184
Q9BWP8
O75355
Q16549
Q14515
P05155
P21781
P01042
Q10588
Q4KMG0
P10909
Q11128
Q8IZU9
P01298
P01374
Q07654
Q92484
P06396
O95881
P14151
P29317
P09919
Q16620
P03950
Q14019
P12259
O00214
P09211
O15467
P69905, P68871
P61626
P04278
P08865
Q49AH0
Q9NZ08
Q07021

P40121
P46108
P10768
P02679
P28799
O75556
P00568
Q13093
P00558
P98066
Q9NZQ7
O95727
Q9NRM6
Q8N423
P78504
Q14162
Q6UWB1
Q8TDQ0
P02649
Q92851
P16870
Q8WWK9
O00548
Q9Y625
P05783
O15041
P48357
Q5KU26
P62993
Q04609
P13598
Q9NQ25
Q92563
O14786
P63104
P04075
Q06323
O95631
Q2I0M5
P09668
Q01973
P09238
P55854
P22894
P58499

P17181
O00182
P60604
O00548
Q9Y625
P05783
O15041
P48357
Q5KU26
P62993
P08238
Q8NAC3
Q04609
P13598
Q9NQ25
Q92563
O14786
P01138
P63104
P04075
Q06323
O95631
P67936
Q2I0M5
P09668
Q01973
P09238
P55854
P22894
P58499
P17181
O00182
P60604
Q13651
Q9Y5N5
Q9BYZ8
P36222
Q9BXY4
P10451
Q9UK55
P04004
Q02487
P19367
P26447
Q68DV7

P27930
Q86SJ2
Q9NPY3
Q8WWG1
P05161
P03951
P55075
P10721
P12830
O00585
P17936
P13500
P14780
Q15303
P07900 P08238
Q9NPH3
Q08334
Q6UX15
P36941
P00533
P14210
Q16674
P02776
Q12904
P16435
Q9Y286
Q9BZM4
O95750
P02790
Q14005
Q9GZX6
P00441
O00253
O43278
Q9UBX7
P08581
Q92765
P35590
P62979
P01031
P27361
P63279
P10643
Q16627
P55773

P41271
P10912
P01215, P01229
P04070
Q9Y240
O95150
P15514
P18075
P18031
Q9Y336
P55773
Q9NNX6
P01215, P01225
O14625
P02144
P55774
P00738
P07858
P17931
P35475
P15848
Q02083
Q76LX8
P22748
P10619
P49961
P08709
Q9HCN6
P22749
P10915
P14543
P01833
P07949
P13686
Q8TEU8
Q6YHK3
P06734
O43866
Q02246
Q8IWV2
Q15828
O75015
P12314
P56159
Q8N158

P05546
Q6UXM1
P35442
P35443
Q9UBT3
Q16610
P49862
P00797
Q06124
P20231
Q9Y3C8
Q06187
Q8IU85
P32971
P21709
P02751
O95633
Q92876
Q15063
P09619
P16581
O00626
Q16663
P15289
Q14012
Q9BXN2
P42892
Q04756
O95711
Q14112
P78380
P42680
Q9BXR6
P11717
P10082
Q9BY76
P07451
Q9NQ30
P06241
Q16644
Q9NQU5
P13693
Q14974
Q9UJ70
P63208

P08887
P00747
P08253
P31946, P62258, P61981, Q04917, P27348, P63104, P31947
P52209
P14550
P08069
Q01638
Q99471
Q9HCB6
P02741
P05362
Q99988
Q8IZJ0
P26927
O43184
Q9BWP8
O75355
Q16549
Q14515
P05155
P21781
P01042
Q9Y240
Q10588
Q4KMG0
P10909
Q11128
Q8IZU9
O60486
P01298
P01374
Q07654
Q92484
P06396
O95881
P14151
P29317
P09919
Q16620
P03950
Q14019
P12259
O00214
P09211

O15467
P69905, P68871
P61626
P04278
P08865
Q49AH0
Q9NZ08
Q07021
P40121
Q9UBR2
P46108
P10768
P02679
P28799
O75556
P00568
Q13093
P00558
P98066
Q9NZQ7
O95727
Q9NRM6
Q8N423
P78504
Q14162
Q6UWB1
Q8TDQ0
P20839
P54646 O43741 P54619
P02649
Q92851
P16870
Q8WWK9
O00548
Q9Y625
P05783
O15041
P48357
Q5KU26
P62993
P08238
Q8NAC3
Q04609
P13598
Q9NQ25

Q92563
O14786
P01138
P63104
P04075
Q06323
O95631
P67936
Q2I0M5
P09668
Q01973
P09238
P55854
P22894
P58499
P17181
O00182
P60604
Q13651
Q9Y5N5
Q9BYZ8
P36222
P10451
Q9UK55
P04004
Q02487
P19367
P26447
Q68DV7
P27930
Q86SJ2
Q9NPY3
Q8WWG1
P05161
P03951
P55075
P10721
O00585
P17936
P13500
P14780
Q15303
P07900 P08238
Q9NPH3
Q08334

Q6UX15
P36941
P00533
P14210
Q16674
P02776
Q12904
P16435
Q9Y286
Q9BZM4
O95750
P02790
Q14005
Q9GZX6
P00441
O00253
O43278
Q9UBX7
P08581
Q92765
P35590
P62979
P01031
P27361
P63279
P10643
Q16627
P55773
P41271
P00746
P10912
P01215, P01229
P04070
Q9Y240
O95150
P15514
P18075
P18031
Q9Y336
P55773
Q9NNX6
P01215, P01225
O14625
P02144
P55774

P00738
P07858
P17931
P18428
P35475
P15848
Q02083
Q76LX8
P22748
P10619
P49961
P08709
Q9HCN6
P22749
P14543
P01833
P07949
P13686
Q8TEU8
Q6YHK3
P06734
O43866
Q02246
Q8IWV2
Q15828
O75015
P12314
P56159
P05546
Q6UXM1
P35442
P35443
Q9UBT3
Q16610
P49862
P00797
Q06124
P20231
Q9Y3C8
Q06187
Q8IU85
P32971
P21709
P02751
O95633

Q92876
P09619
Q96GW7
P16581
O00626
Q16663
P15289
Q14012
Q9BXN2
Q9UHL4
P42892
Q04756
O95711
Q14112
P78380
P42680
Q9BXR6
P11717
P10082
P43489
Q9BY76
P07451
Q9NQ30
P06241
Q16644
Q9NQU5
P13693
Q14974
Q9UJ70
P63208
P08887
P00747
P24821
P08253
P31946, P62258, P61981, Q04917, P27348, P63104, P31947
P52209
P14550
P23528
P08069
Q01638
Q99471
P02741
P05362
Q99988
Q8IZJ0

P26927
O43184
Q9BWP8
O75355
Q16549
Q14515
P05155
P21781
P01042
Q9Y240
Q10588
Q4KMG0
P10909
Q11128
Q8IZU9
O60486
P01298
P01374
Q07654
Q92484
P06396
O95881
P14151
P29317
P09919
Q16620
P03950
Q14019
P12259
O00214
P09211
O15467
P69905, P68871
P61626
P04278
P08865
Q49AH0
Q9NZ08
Q07021
P40121
P46108
P10768
P02679
P28799
O75556

P00568
Q13093
P00558
P98066
Q9NZQ7
O95727
Q9NRM6
Q8N423
P78504
Q14162
Q6UWB1
Q8TDQ0
P54646 O43741 P54619
P02649
Q92851
P16870
Q8WWK9
O00548
Q9Y625
P05783
O15041
P48357
Q5KU26
P62993
P08238
Q04609
P13598
Q9NQ25
Q92563
O14786
P63104
P04075
Q06323
O95631
P67936
Q2I0M5
P09668
Q01973
P09238
P55854
P22894
P58499
P17181
O00182
P60604

Q13651
Q9Y5N5
Q9BYZ8
P36222
P10451
Q9UK55
P04004
Q02487
P19367
P26447
Q68DV7
P27930
Q86SJ2
Q9NPY3
Q8WWG1
P05161
P03951
P55075
P10721
O00585
P17936
P13500
P14780
Q15303
P07900 P08238
Q9NPH3
Q08334
Q6UX15
P36941
P00533
P14210
Q16674
P02776
Q12904
P16435
Q9Y286
Q9BZM4
O95750
P02790
Q14005
Q9GZX6
P00441
O00253
O43278
Q9UBX7

P08581
Q92765
P35590
P62979
P01031
P27361
P63279
P10643
Q16627
P55773
P41271
P00746
P10912
P01215, P01229
P04070
Q9Y240
O95150
P15514
P18075
P18031
Q9Y336
P55773
Q9NNX6
P01215, P01225
O14625
P55774
P00738
P07858
P17931
P18428
P35475
P15848
Q02083
Q76LX8
P22748
P10619
P49961
P08709
Q9HCN6
P22749
P14543
P01833
P07949
P13686
Q8TEU8

Q6YHK3
P06734
O43866
Q02246
Q8IWV2
Q15828
O75015
P12314
P56159
P05546
Q6UXM1
P35442
P35443
Q9UBT3
Q16610
P49862
P00797
Q06124
P20231
Q9Y3C8
Q06187
Q8IU85
P32971
P21709
P02751
O95633
Q92876
P09619
Q96GW7
P16581
O00626
Q16663
P15289
Q14012
Q9BXN2
Q9UHL4
P42892
Q04756
O95711
Q14112
P78380
P42680
Q9BXR6
P11717
P10082

P43489
Q9BY76
P07451
Q9NQ30
P06241
Q16644
Q9NQU5
P13693
Q14974
Q9UJ70
P63208
P08887
P00747
P24821
P08253
P31946, P62258, P61981, Q04917, P27348, P63104, P31947
P52209
P14550
P23528
P08069
Q01638
Q99471
P02741
P05362
Q99988
Q8IZJ0
P26927
O43184
Q9BWP8
O75355
Q16549
Q14515
P05155
P21781
P01042
Q9Y240
Q10588
Q4KMG0
P10909
Q11128
Q8IZU9
O60486
P01298
P01374
Q07654

Q92484
P06396
O95881
P14151
P29317
P09919
Q16620
P03950
Q14019
P12259
O00214
P09211
O15467
P69905, P68871
P61626
P04278
P08865
Q49AH0
Q9NZ08
Q07021
P40121
P46108
P10768
P02679
P28799
O75556
P00568
Q13093
P00558
P98066
Q9NZQ7
O95727
Q9NRM6
Q8N423
P78504
Q14162
Q6UWB1
Q8TDQ0
P54646 O43741 P54619
P02649
Q92851
P16870
Q8WWK9
O00548
Q9Y625

P05783
O15041
P48357
Q5KU26
P62993
P08238
Q04609
P13598
Q9NQ25
Q92563
O14786
P63104
P04075
Q06323
O95631
P67936
Q2I0M5
P09668
Q01973
P09238
P55854
P22894
P58499
P17181
O00182
P60604

Table S3: Mendelian Randomization results of cerebrospinal fluid protein

Exposure.id	Outcome	Protein
X10344.334	Anorexia nervosa	IL10RA
X11096.57	Anorexia nervosa	N6AMT1
X11102.22	Anorexia nervosa	REG4
X11104.13	Anorexia nervosa	CHI3L1
X13113.7	Anorexia nervosa	SPP1
X13125.45	Anorexia nervosa	VTN
X13126.52	Anorexia nervosa	DSC2
X13131.5	Anorexia nervosa	HK1
X14120.2	Anorexia nervosa	RNF43
X14133.93	Anorexia nervosa	IL1R2
X14134.49	Anorexia nervosa	AMIGO2
X14136.234	Anorexia nervosa	CD93
X14139.16	Anorexia nervosa	NRG4
X14151.4	Anorexia nervosa	ISG15
X2190.55	Anorexia nervosa	F11
X2475.1	Anorexia nervosa	KIT
X2501.51	Anorexia nervosa	CDH1
X2516.57	Anorexia nervosa	CCL21
X2571.12	Anorexia nervosa	IGFBP3
X2578.67	Anorexia nervosa	CCL2
X2579.17	Anorexia nervosa	MMP9
X2618.10	Anorexia nervosa	ERBB4
X2625.53	Anorexia nervosa	HSP90AA1 HSP90A
X2630.12	Anorexia nervosa	IL1RAP
X2631.50	Anorexia nervosa	IL10RB
X2635.61	Anorexia nervosa	LAYN
X2636.10	Anorexia nervosa	LTBR
X2677.1	Anorexia nervosa	EGFR
X2681.23	Anorexia nervosa	HGF
X2687.2	Anorexia nervosa	MIA
X2714.78	Anorexia nervosa	AIMP1
X2731.29	Anorexia nervosa	POR
X2747.3	Anorexia nervosa	ULBP3
X2762.30	Anorexia nervosa	FGF19
X2768.56	Anorexia nervosa	HPX
X2774.10	Anorexia nervosa	IL16
X2778.10	Anorexia nervosa	IL22
X2794.60	Anorexia nervosa	SOD1
X2813.11	Anorexia nervosa	AGRP
X2828.82	Anorexia nervosa	SPINT1
X2831.29	Anorexia nervosa	KLK11
X2837.3	Anorexia nervosa	MET

X2841.13	Anorexia nervosa	FRZB
X2844.53	Anorexia nervosa	TIE1
X2846.24	Anorexia nervosa	RPS27A
X2851.63	Anorexia nervosa	C5
X2855.49	Anorexia nervosa	MAPK3
X2877.3	Anorexia nervosa	UBE2I
X2888.49	Anorexia nervosa	C7
X2900.53	Anorexia nervosa	CCL14
X2913.1	Anorexia nervosa	CCL23
X2944.66	Anorexia nervosa	NBL1
X2946.52	Anorexia nervosa	CFD
X2948.58	Anorexia nervosa	GHR
X2953.31	Anorexia nervosa	CGA LHB
X2961.1	Anorexia nervosa	PROC
X2966.65	Anorexia nervosa	CLEC11A
X2968.61	Anorexia nervosa	TNFSF15
X2970.60	Anorexia nervosa	AREG
X3005.5	Anorexia nervosa	PTPN1
X3007.7	Anorexia nervosa	SIGLEC9
X3028.36	Anorexia nervosa	CCL23
X3029.52	Anorexia nervosa	CD209
X3032.11	Anorexia nervosa	CGA FSHB
X3038.9	Anorexia nervosa	CXCL11
X3044.3	Anorexia nervosa	CCL18
X3054.3	Anorexia nervosa	HP
X3061.61	Anorexia nervosa	CTSB
X3066.12	Anorexia nervosa	LGALS3
X3074.6	Anorexia nervosa	LBP
X3169.70	Anorexia nervosa	IDUA
X3172.28	Anorexia nervosa	ARSB
X3173.49	Anorexia nervosa	NAAA
X3175.51	Anorexia nervosa	ADAMTS13
X3177.49	Anorexia nervosa	CA4
X3179.51	Anorexia nervosa	CTSA
X3184.25	Anorexia nervosa	F7
X3194.36	Anorexia nervosa	GP6
X3195.50	Anorexia nervosa	GNLY
X3196.6	Anorexia nervosa	HAPLN1
X3213.65	Anorexia nervosa	NID1
X3216.2	Anorexia nervosa	PIGR
X3232.28	Anorexia nervosa	ACP5
X3235.50	Anorexia nervosa	WFIKKN2
X3290.50	Anorexia nervosa	CD109
X3291.30	Anorexia nervosa	FCER2
X3293.2	Anorexia nervosa	CD5L

X3296.92	Anorexia nervosa	CNTN2
X3298.52	Anorexia nervosa	CNTN4
X3303.23	Anorexia nervosa	CST6
X3311.27	Anorexia nervosa	FCGR3B
X3312.64	Anorexia nervosa	FCGR1A
X3314.74	Anorexia nervosa	GFRA1
X3316.58	Anorexia nervosa	SERPIND1
X3322.52	Anorexia nervosa	LRIG3
X3339.33	Anorexia nervosa	THBS2
X3340.53	Anorexia nervosa	THBS4
X3365.7	Anorexia nervosa	DKK4
X3366.51	Anorexia nervosa	ECM1
X3396.54	Anorexia nervosa	REN
X3397.7	Anorexia nervosa	PTPN11
X3405.6	Anorexia nervosa	UFC1
X3418.12	Anorexia nervosa	CAMK1D
X3421.54	Anorexia nervosa	TNFSF8
X3431.54	Anorexia nervosa	EPHA1
X3435.53	Anorexia nervosa	FN1
X3438.10	Anorexia nervosa	FSTL3
X3450.4	Anorexia nervosa	KLK6
X3457.57	Anorexia nervosa	POSTN
X3459.49	Anorexia nervosa	PDGFRB
X3470.1	Anorexia nervosa	SELE
X3508.78	Anorexia nervosa	CCL22
X3509.1	Anorexia nervosa	CCL15
X3583.54	Anorexia nervosa	ARSA
X3592.4	Anorexia nervosa	CAMK1
X3603.60	Anorexia nervosa	CLEC7A
X3608.12	Anorexia nervosa	DPP7
X3611.70	Anorexia nervosa	ECE1
X3617.80	Anorexia nervosa	HGFAC
X3623.84	Anorexia nervosa	LY86
X3633.70	Anorexia nervosa	NID2
X3636.37	Anorexia nervosa	OLR1
X3646.7	Anorexia nervosa	TEC
X3676.15	Anorexia nervosa	IGF2R
X3727.35	Anorexia nervosa	PYY
X3730.81	Anorexia nervosa	TNFRSF4
X3796.79	Anorexia nervosa	ANGPTL4
X3799.11	Anorexia nervosa	CA3
X3805.16	Anorexia nervosa	ESM1
X3822.54	Anorexia nervosa	MAPKAPK3
X3827.22	Anorexia nervosa	PAK6
X3872.2	Anorexia nervosa	TPT1

X3887.90	Anorexia nervosa	KPNB1
X3894.15	Anorexia nervosa	NAGK
X3902.21	Anorexia nervosa	SKP1
X4139.71	Anorexia nervosa	IL6R
X4151.6	Anorexia nervosa	PLG
X4155.3	Anorexia nervosa	TNC
X4160.49	Anorexia nervosa	MMP2
X4179.57	Anorexia nervosa	YWHAB,YWHAE,Y
X4187.49	Anorexia nervosa	PGD
X4192.10	Anorexia nervosa	AKR1A1
X4232.19	Anorexia nervosa	IGF1R
X4234.8	Anorexia nervosa	IL1RL1
X4271.75	Anorexia nervosa	PFDN5
X4297.62	Anorexia nervosa	SPON1
X4337.49	Anorexia nervosa	CRP
X4342.10	Anorexia nervosa	ICAM1
X4374.45	Anorexia nervosa	GDF15
X4397.26	Anorexia nervosa	IFNL2
X4407.10	Anorexia nervosa	MST1
X4420.7	Anorexia nervosa	ADAM12
X4430.44	Anorexia nervosa	COLEC11
X4436.1	Anorexia nervosa	ENTPD3
X4459.68	Anorexia nervosa	PCSK7
X4467.49	Anorexia nervosa	SPARCL1
X4479.14	Anorexia nervosa	SERPING1
X4487.1	Anorexia nervosa	FGF7
X4495.33	Anorexia nervosa	KNG1
X4500.50	Anorexia nervosa	CLEC11A
X4535.50	Anorexia nervosa	BST1
X4541.49	Anorexia nervosa	CDON
X4542.24	Anorexia nervosa	CLU
X4549.78	Anorexia nervosa	FUT5
X4557.61	Anorexia nervosa	KIRREL3
X4588.1	Anorexia nervosa	PPY
X4703.87	Anorexia nervosa	LTA
X4721.54	Anorexia nervosa	TFF3
X4771.10	Anorexia nervosa	SMPDL3A
X4775.34	Anorexia nervosa	GSN
X4815.25	Anorexia nervosa	TXNDC12
X4831.4	Anorexia nervosa	SELL
X4834.61	Anorexia nervosa	EPHA2
X4840.73	Anorexia nervosa	CSF3
X4866.59	Anorexia nervosa	NTRK2
X4874.3	Anorexia nervosa	ANG
X4905.63	Anorexia nervosa	COTL1

X4906.35	Anorexia nervosa	F5
X4909.68	Anorexia nervosa	LGALS8
X4911.49	Anorexia nervosa	GSTP1
X4913.78	Anorexia nervosa	CCL16
X4915.64	Anorexia nervosa	HBA1 HBB
X4920.10	Anorexia nervosa	LYZ
X4929.55	Anorexia nervosa	SHBG
X4957.1	Anorexia nervosa	RPSA
X4962.52	Anorexia nervosa	CDNF
X4964.67	Anorexia nervosa	ERAP1
X4967.1	Anorexia nervosa	C1QBP
X4968.50	Anorexia nervosa	CAPG
X4976.57	Anorexia nervosa	CRK
X4984.83	Anorexia nervosa	ESD
X4989.7	Anorexia nervosa	FGG
X5001.6	Anorexia nervosa	SCGB2A1
X5012.67	Anorexia nervosa	AK1
X5015.15	Anorexia nervosa	PLA2G7
X5020.50	Anorexia nervosa	PGK1
X5036.50	Anorexia nervosa	TNFAIP6
X5060.62	Anorexia nervosa	CD274
X5068.54	Anorexia nervosa	CRTAM
X5084.154	Anorexia nervosa	IL17RB
X5091.28	Anorexia nervosa	LILRB2
X5092.51	Anorexia nervosa	JAG1
X5129.12	Anorexia nervosa	SCARF1
X5134.52	Anorexia nervosa	HAVCR2
X5312.49	Anorexia nervosa	APOE
X5340.24	Anorexia nervosa	CASP10
X5343.74	Anorexia nervosa	CPE
X5345.51	Anorexia nervosa	CKAP2
X5349.69	Anorexia nervosa	DLL1
X5350.14	Anorexia nervosa	GPC6
X5354.11	Anorexia nervosa	KRT18
X5363.51	Anorexia nervosa	SEMA3E
X5400.52	Anorexia nervosa	LEPR
X5457.5	Anorexia nervosa	COLEC12
X5464.52	Anorexia nervosa	GRB2
X5467.15	Anorexia nervosa	HSP90AB1
X5468.67	Anorexia nervosa	IL17RC
X5486.73	Anorexia nervosa	ICAM2
X5487.7	Anorexia nervosa	SLAMF7
X5491.12	Anorexia nervosa	SPOCK2
X5542.22	Anorexia nervosa	NRP1
X5858.6	Anorexia nervosa	YWHAZ

X5864.10	Anorexia nervosa	ALDOA
X5918.5	Anorexia nervosa	PSME1
X6649.51	Anorexia nervosa	NTN1
X8464.31	Anorexia nervosa	RSPO4
X8465.52	Anorexia nervosa	CTSH
X8474.6	Anorexia nervosa	ROR1
X8479.4	Anorexia nervosa	MMP10
X9169.14	Anorexia nervosa	SUMO3
X9172.69	Anorexia nervosa	MMP8
X9177.6	Anorexia nervosa	FAM3B
X9183.7	Anorexia nervosa	IFNAR1
X9197.4	Anorexia nervosa	LGALS9
X9199.6	Anorexia nervosa	UBE2G2
X10344.334	Post-traumatic stress disorder	IL10RA
X11096.57	Post-traumatic stress disorder	N6AMT1
X11102.22	Post-traumatic stress disorder	REG4
X11104.13	Post-traumatic stress disorder	CHI3L1
X13113.7	Post-traumatic stress disorder	SPP1
X13119.26	Post-traumatic stress disorder	SERPINA10
X13125.45	Post-traumatic stress disorder	VTN
X13126.52	Post-traumatic stress disorder	DSC2
X13131.5	Post-traumatic stress disorder	HK1
X14116.129	Post-traumatic stress disorder	S100A4
X14120.2	Post-traumatic stress disorder	RNF43
X14133.93	Post-traumatic stress disorder	IL1R2
X14134.49	Post-traumatic stress disorder	AMIGO2
X14136.234	Post-traumatic stress disorder	CD93
X14139.16	Post-traumatic stress disorder	NRG4
X14151.4	Post-traumatic stress disorder	ISG15
X2190.55	Post-traumatic stress disorder	F11
X2443.10	Post-traumatic stress disorder	FGF8
X2475.1	Post-traumatic stress disorder	KIT
X2501.51	Post-traumatic stress disorder	CDH1
X2516.57	Post-traumatic stress disorder	CCL21
X2571.12	Post-traumatic stress disorder	IGFBP3
X2578.67	Post-traumatic stress disorder	CCL2
X2579.17	Post-traumatic stress disorder	MMP9
X2618.10	Post-traumatic stress disorder	ERBB4
X2625.53	Post-traumatic stress disorder	HSP90AA1 HSP90A
X2630.12	Post-traumatic stress disorder	IL1RAP
X2631.50	Post-traumatic stress disorder	IL10RB
X2635.61	Post-traumatic stress disorder	LAYN
X2636.10	Post-traumatic stress disorder	LTBR
X2677.1	Post-traumatic stress disorder	EGFR
X2681.23	Post-traumatic stress disorder	HGF

X2687.2	Post-traumatic stress disorder	MIA
X2697.7	Post-traumatic stress disorder	PF4
X2714.78	Post-traumatic stress disorder	AIMP1
X2731.29	Post-traumatic stress disorder	POR
X2742.68	Post-traumatic stress disorder	SIGLEC7
X2747.3	Post-traumatic stress disorder	ULBP3
X2762.30	Post-traumatic stress disorder	FGF19
X2768.56	Post-traumatic stress disorder	HPX
X2774.10	Post-traumatic stress disorder	IL16
X2778.10	Post-traumatic stress disorder	IL22
X2794.60	Post-traumatic stress disorder	SOD1
X2813.11	Post-traumatic stress disorder	AGRP
X2828.82	Post-traumatic stress disorder	SPINT1
X2831.29	Post-traumatic stress disorder	KLK11
X2837.3	Post-traumatic stress disorder	MET
X2841.13	Post-traumatic stress disorder	FRZB
X2844.53	Post-traumatic stress disorder	TIE1
X2846.24	Post-traumatic stress disorder	RPS27A
X2851.63	Post-traumatic stress disorder	C5
X2855.49	Post-traumatic stress disorder	MAPK3
X2877.3	Post-traumatic stress disorder	UBE2I
X2888.49	Post-traumatic stress disorder	C7
X2900.53	Post-traumatic stress disorder	CCL14
X2913.1	Post-traumatic stress disorder	CCL23
X2944.66	Post-traumatic stress disorder	NBL1
X2946.52	Post-traumatic stress disorder	CFD
X2948.58	Post-traumatic stress disorder	GHR
X2953.31	Post-traumatic stress disorder	CGA LHB
X2961.1	Post-traumatic stress disorder	PROC
X2966.65	Post-traumatic stress disorder	CLEC11A
X2968.61	Post-traumatic stress disorder	TNFSF15
X2970.60	Post-traumatic stress disorder	AREG
X2972.57	Post-traumatic stress disorder	BMP7
X3005.5	Post-traumatic stress disorder	PTPN1
X3007.7	Post-traumatic stress disorder	SIGLEC9
X3028.36	Post-traumatic stress disorder	CCL23
X3029.52	Post-traumatic stress disorder	CD209
X3032.11	Post-traumatic stress disorder	CGA FSHB
X3038.9	Post-traumatic stress disorder	CXCL11
X3042.7	Post-traumatic stress disorder	MB
X3044.3	Post-traumatic stress disorder	CCL18
X3054.3	Post-traumatic stress disorder	HP
X3061.61	Post-traumatic stress disorder	CTSB
X3066.12	Post-traumatic stress disorder	LGALS3
X3074.6	Post-traumatic stress disorder	LBP

X3169.70	Post-traumatic stress disorder	IDUA
X3172.28	Post-traumatic stress disorder	ARSB
X3173.49	Post-traumatic stress disorder	NAAA
X3175.51	Post-traumatic stress disorder	ADAMTS13
X3177.49	Post-traumatic stress disorder	CA4
X3179.51	Post-traumatic stress disorder	CTSA
X3182.38	Post-traumatic stress disorder	ENTPD1
X3184.25	Post-traumatic stress disorder	F7
X3194.36	Post-traumatic stress disorder	GP6
X3195.50	Post-traumatic stress disorder	GNLY
X3196.6	Post-traumatic stress disorder	HAPLN1
X3213.65	Post-traumatic stress disorder	NID1
X3216.2	Post-traumatic stress disorder	PIGR
X3220.40	Post-traumatic stress disorder	RET
X3232.28	Post-traumatic stress disorder	ACP5
X3235.50	Post-traumatic stress disorder	WFIKKN2
X3290.50	Post-traumatic stress disorder	CD109
X3291.30	Post-traumatic stress disorder	FCER2
X3293.2	Post-traumatic stress disorder	CD5L
X3296.92	Post-traumatic stress disorder	CNTN2
X3298.52	Post-traumatic stress disorder	CNTN4
X3303.23	Post-traumatic stress disorder	CST6
X3311.27	Post-traumatic stress disorder	FCGR3B
X3312.64	Post-traumatic stress disorder	FCGR1A
X3314.74	Post-traumatic stress disorder	GFRA1
X3316.58	Post-traumatic stress disorder	SERPIND1
X3322.52	Post-traumatic stress disorder	LRIG3
X3339.33	Post-traumatic stress disorder	THBS2
X3340.53	Post-traumatic stress disorder	THBS4
X3365.7	Post-traumatic stress disorder	DKK4
X3366.51	Post-traumatic stress disorder	ECM1
X3378.49	Post-traumatic stress disorder	KLK7
X3396.54	Post-traumatic stress disorder	REN
X3397.7	Post-traumatic stress disorder	PTPN11
X3403.1	Post-traumatic stress disorder	TPSB2
X3405.6	Post-traumatic stress disorder	UFC1
X3416.2	Post-traumatic stress disorder	BTK
X3418.12	Post-traumatic stress disorder	CAMK1D
X3421.54	Post-traumatic stress disorder	TNFSF8
X3431.54	Post-traumatic stress disorder	EPHA1
X3435.53	Post-traumatic stress disorder	FN1
X3438.10	Post-traumatic stress disorder	FSTL3
X3450.4	Post-traumatic stress disorder	KLK6
X3457.57	Post-traumatic stress disorder	POSTN
X3459.49	Post-traumatic stress disorder	PDGFRB

X3461.58	Post-traumatic stress disorder	BCAN
X3508.78	Post-traumatic stress disorder	CCL22
X3509.1	Post-traumatic stress disorder	CCL15
X3583.54	Post-traumatic stress disorder	ARSA
X3592.4	Post-traumatic stress disorder	CAMK1
X3603.60	Post-traumatic stress disorder	CLEC7A
X3608.12	Post-traumatic stress disorder	DPP7
X3611.70	Post-traumatic stress disorder	ECE1
X3617.80	Post-traumatic stress disorder	HGFAC
X3623.84	Post-traumatic stress disorder	LY86
X3633.70	Post-traumatic stress disorder	NID2
X3636.37	Post-traumatic stress disorder	OLR1
X3646.7	Post-traumatic stress disorder	TEC
X3666.17	Post-traumatic stress disorder	CFHR5
X3676.15	Post-traumatic stress disorder	IGF2R
X3727.35	Post-traumatic stress disorder	PYY
X3730.81	Post-traumatic stress disorder	TNFRSF4
X3796.79	Post-traumatic stress disorder	ANGPTL4
X3799.11	Post-traumatic stress disorder	CA3
X3805.16	Post-traumatic stress disorder	ESM1
X3813.3	Post-traumatic stress disorder	FYN
X3822.54	Post-traumatic stress disorder	MAPKAPK3
X3827.22	Post-traumatic stress disorder	PAK6
X3872.2	Post-traumatic stress disorder	TPT1
X3887.90	Post-traumatic stress disorder	KPNB1
X3894.15	Post-traumatic stress disorder	NAGK
X3902.21	Post-traumatic stress disorder	SKP1
X4139.71	Post-traumatic stress disorder	IL6R
X4151.6	Post-traumatic stress disorder	PLG
X4155.3	Post-traumatic stress disorder	TNC
X4160.49	Post-traumatic stress disorder	MMP2
X4179.57	Post-traumatic stress disorder	YWHAB,YWHAE,Y
X4187.49	Post-traumatic stress disorder	PGD
X4192.10	Post-traumatic stress disorder	AKR1A1
X4203.50	Post-traumatic stress disorder	CFL1
X4232.19	Post-traumatic stress disorder	IGF1R
X4234.8	Post-traumatic stress disorder	IL1RL1
X4271.75	Post-traumatic stress disorder	PFDN5
X4297.62	Post-traumatic stress disorder	SPON1
X4337.49	Post-traumatic stress disorder	CRP
X4342.10	Post-traumatic stress disorder	ICAM1
X4374.45	Post-traumatic stress disorder	GDF15
X4397.26	Post-traumatic stress disorder	IFNL2
X4407.10	Post-traumatic stress disorder	MST1
X4420.7	Post-traumatic stress disorder	ADAM12

X4430.44	Post-traumatic stress disorder	COLEC11
X4436.1	Post-traumatic stress disorder	ENTPD3
X4459.68	Post-traumatic stress disorder	PCSK7
X4467.49	Post-traumatic stress disorder	SPARCL1
X4479.14	Post-traumatic stress disorder	SERPING1
X4487.1	Post-traumatic stress disorder	FGF7
X4495.33	Post-traumatic stress disorder	KNG1
X4500.50	Post-traumatic stress disorder	CLEC11A
X4535.50	Post-traumatic stress disorder	BST1
X4541.49	Post-traumatic stress disorder	CDON
X4542.24	Post-traumatic stress disorder	CLU
X4549.78	Post-traumatic stress disorder	FUT5
X4557.61	Post-traumatic stress disorder	KIRREL3
X4564.2	Post-traumatic stress disorder	PLXNC1
X4588.1	Post-traumatic stress disorder	PPY
X4703.87	Post-traumatic stress disorder	LTA
X4721.54	Post-traumatic stress disorder	TFF3
X4771.10	Post-traumatic stress disorder	SMPDL3A
X4775.34	Post-traumatic stress disorder	GSN
X4815.25	Post-traumatic stress disorder	TXNDC12
X4831.4	Post-traumatic stress disorder	SELL
X4834.61	Post-traumatic stress disorder	EPHA2
X4840.73	Post-traumatic stress disorder	CSF3
X4866.59	Post-traumatic stress disorder	NTRK2
X4874.3	Post-traumatic stress disorder	ANG
X4905.63	Post-traumatic stress disorder	COTL1
X4906.35	Post-traumatic stress disorder	F5
X4909.68	Post-traumatic stress disorder	LGALS8
X4911.49	Post-traumatic stress disorder	GSTP1
X4913.78	Post-traumatic stress disorder	CCL16
X4915.64	Post-traumatic stress disorder	HBA1 HBB
X4920.10	Post-traumatic stress disorder	LYZ
X4929.55	Post-traumatic stress disorder	SHBG
X4957.1	Post-traumatic stress disorder	RPSA
X4962.52	Post-traumatic stress disorder	CDNF
X4964.67	Post-traumatic stress disorder	ERAP1
X4967.1	Post-traumatic stress disorder	C1QBP
X4968.50	Post-traumatic stress disorder	CAPG
X4971.1	Post-traumatic stress disorder	CTSZ
X4976.57	Post-traumatic stress disorder	CRK
X4984.83	Post-traumatic stress disorder	ESD
X4989.7	Post-traumatic stress disorder	FGG
X4992.49	Post-traumatic stress disorder	GRN
X5001.6	Post-traumatic stress disorder	SCGB2A1
X5012.67	Post-traumatic stress disorder	AK1

X5015.15	Post-traumatic stress disorder	PLA2G7
X5020.50	Post-traumatic stress disorder	PGK1
X5036.50	Post-traumatic stress disorder	TNFAIP6
X5060.62	Post-traumatic stress disorder	CD274
X5068.54	Post-traumatic stress disorder	CRTAM
X5084.154	Post-traumatic stress disorder	IL17RB
X5091.28	Post-traumatic stress disorder	LILRB2
X5092.51	Post-traumatic stress disorder	JAG1
X5129.12	Post-traumatic stress disorder	SCARF1
X5132.71	Post-traumatic stress disorder	IL27RA
X5134.52	Post-traumatic stress disorder	HAVCR2
X5245.40	Post-traumatic stress disorder	PRKAA2 PRKAB2 P
X5312.49	Post-traumatic stress disorder	APOE
X5340.24	Post-traumatic stress disorder	CASP10
X5343.74	Post-traumatic stress disorder	CPE
X5345.51	Post-traumatic stress disorder	CKAP2
X5349.69	Post-traumatic stress disorder	DLL1
X5350.14	Post-traumatic stress disorder	GPC6
X5354.11	Post-traumatic stress disorder	KRT18
X5363.51	Post-traumatic stress disorder	SEMA3E
X5400.52	Post-traumatic stress disorder	LEPR
X5457.5	Post-traumatic stress disorder	COLEC12
X5464.52	Post-traumatic stress disorder	GRB2
X5467.15	Post-traumatic stress disorder	HSP90AB1
X5468.67	Post-traumatic stress disorder	IL17RC
X5478.50	Post-traumatic stress disorder	FOLH1
X5486.73	Post-traumatic stress disorder	ICAM2
X5487.7	Post-traumatic stress disorder	SLAMF7
X5491.12	Post-traumatic stress disorder	SPOCK2
X5542.22	Post-traumatic stress disorder	NRP1
X5801.72	Post-traumatic stress disorder	NGF
X5858.6	Post-traumatic stress disorder	YWHAZ
X5864.10	Post-traumatic stress disorder	ALDOA
X5918.5	Post-traumatic stress disorder	PSME1
X6649.51	Post-traumatic stress disorder	NTN1
X7660.21	Post-traumatic stress disorder	TPM4
X8464.31	Post-traumatic stress disorder	RSPO4
X8465.52	Post-traumatic stress disorder	CTSH
X8474.6	Post-traumatic stress disorder	ROR1
X8479.4	Post-traumatic stress disorder	MMP10
X9169.14	Post-traumatic stress disorder	SUMO3
X9172.69	Post-traumatic stress disorder	MMP8
X9177.6	Post-traumatic stress disorder	FAM3B
X9183.7	Post-traumatic stress disorder	IFNAR1
X9197.4	Post-traumatic stress disorder	LGALS9

X9199.6	Post-traumatic stress disorder	UBE2G2
X10344.334	Attention deficit hyperactivity disorde	IL10RA
X11096.57	Attention deficit hyperactivity disorde	N6AMT1
X11102.22	Attention deficit hyperactivity disorde	REG4
X11104.13	Attention deficit hyperactivity disorde	CHI3L1
X13113.7	Attention deficit hyperactivity disorde	SPP1
X13119.26	Attention deficit hyperactivity disorde	SERPINA10
X13125.45	Attention deficit hyperactivity disorde	VTN
X13126.52	Attention deficit hyperactivity disorde	DSC2
X13131.5	Attention deficit hyperactivity disorde	HK1
X14120.2	Attention deficit hyperactivity disorde	RNF43
X14133.93	Attention deficit hyperactivity disorde	IL1R2
X14134.49	Attention deficit hyperactivity disorde	AMIGO2
X14136.234	Attention deficit hyperactivity disorde	CD93
X14139.16	Attention deficit hyperactivity disorde	NRG4
X14151.4	Attention deficit hyperactivity disorde	ISG15
X2190.55	Attention deficit hyperactivity disorde	F11
X2475.1	Attention deficit hyperactivity disorde	KIT
X2516.57	Attention deficit hyperactivity disorde	CCL21
X2571.12	Attention deficit hyperactivity disorde	IGFBP3
X2578.67	Attention deficit hyperactivity disorde	CCL2
X2579.17	Attention deficit hyperactivity disorde	MMP9
X2618.10	Attention deficit hyperactivity disorde	ERBB4
X2630.12	Attention deficit hyperactivity disorde	IL1RAP
X2631.50	Attention deficit hyperactivity disorde	IL10RB
X2635.61	Attention deficit hyperactivity disorde	LAYN
X2636.10	Attention deficit hyperactivity disorde	LTBR
X2677.1	Attention deficit hyperactivity disorde	EGFR
X2681.23	Attention deficit hyperactivity disorde	HGF
X2687.2	Attention deficit hyperactivity disorde	MIA
X2714.78	Attention deficit hyperactivity disorde	AIMP1
X2731.29	Attention deficit hyperactivity disorde	POR
X2747.3	Attention deficit hyperactivity disorde	ULBP3
X2762.30	Attention deficit hyperactivity disorde	FGF19
X2768.56	Attention deficit hyperactivity disorde	HPX
X2774.10	Attention deficit hyperactivity disorde	IL16
X2778.10	Attention deficit hyperactivity disorde	IL22
X2794.60	Attention deficit hyperactivity disorde	SOD1
X2813.11	Attention deficit hyperactivity disorde	AGRP
X2828.82	Attention deficit hyperactivity disorde	SPINT1
X2831.29	Attention deficit hyperactivity disorde	KLK11
X2837.3	Attention deficit hyperactivity disorde	MET
X2841.13	Attention deficit hyperactivity disorde	FRZB
X2844.53	Attention deficit hyperactivity disorde	TIE1
X2846.24	Attention deficit hyperactivity disorde	RPS27A

X2851.63	Attention deficit hyperactivity disorde	C5
X2855.49	Attention deficit hyperactivity disorde	MAPK3
X2877.3	Attention deficit hyperactivity disorde	UBE2I
X2888.49	Attention deficit hyperactivity disorde	C7
X2900.53	Attention deficit hyperactivity disorde	CCL14
X2913.1	Attention deficit hyperactivity disorde	CCL23
X2944.66	Attention deficit hyperactivity disorde	NBL1
X2948.58	Attention deficit hyperactivity disorde	GHR
X2961.1	Attention deficit hyperactivity disorde	PROC
X2968.61	Attention deficit hyperactivity disorde	TNFSF15
X2970.60	Attention deficit hyperactivity disorde	AREG
X3005.5	Attention deficit hyperactivity disorde	PTPN1
X3007.7	Attention deficit hyperactivity disorde	SIGLEC9
X3028.36	Attention deficit hyperactivity disorde	CCL23
X3029.52	Attention deficit hyperactivity disorde	CD209
X3032.11	Attention deficit hyperactivity disorde	CGA FSHB
X3038.9	Attention deficit hyperactivity disorde	CXCL11
X3044.3	Attention deficit hyperactivity disorde	CCL18
X3054.3	Attention deficit hyperactivity disorde	HP
X3061.61	Attention deficit hyperactivity disorde	CTSB
X3066.12	Attention deficit hyperactivity disorde	LGALS3
X3074.6	Attention deficit hyperactivity disorde	LBP
X3169.70	Attention deficit hyperactivity disorde	IDUA
X3172.28	Attention deficit hyperactivity disorde	ARSB
X3173.49	Attention deficit hyperactivity disorde	NAAA
X3175.51	Attention deficit hyperactivity disorde	ADAMTS13
X3177.49	Attention deficit hyperactivity disorde	CA4
X3179.51	Attention deficit hyperactivity disorde	CTSA
X3182.38	Attention deficit hyperactivity disorde	ENTPD1
X3184.25	Attention deficit hyperactivity disorde	F7
X3194.36	Attention deficit hyperactivity disorde	GP6
X3195.50	Attention deficit hyperactivity disorde	GNLY
X3213.65	Attention deficit hyperactivity disorde	NID1
X3216.2	Attention deficit hyperactivity disorde	PIGR
X3232.28	Attention deficit hyperactivity disorde	ACP5
X3235.50	Attention deficit hyperactivity disorde	WFIKKN2
X3290.50	Attention deficit hyperactivity disorde	CD109
X3293.2	Attention deficit hyperactivity disorde	CD5L
X3296.92	Attention deficit hyperactivity disorde	CNTN2
X3298.52	Attention deficit hyperactivity disorde	CNTN4
X3303.23	Attention deficit hyperactivity disorde	CST6
X3311.27	Attention deficit hyperactivity disorde	FCGR3B
X3312.64	Attention deficit hyperactivity disorde	FCGR1A
X3314.74	Attention deficit hyperactivity disorde	GFRA1
X3316.58	Attention deficit hyperactivity disorde	SERPIND1

X3322.52	Attention deficit hyperactivity disorde	LRIG3
X3339.33	Attention deficit hyperactivity disorde	THBS2
X3340.53	Attention deficit hyperactivity disorde	THBS4
X3365.7	Attention deficit hyperactivity disorde	DKK4
X3366.51	Attention deficit hyperactivity disorde	ECM1
X3396.54	Attention deficit hyperactivity disorde	REN
X3397.7	Attention deficit hyperactivity disorde	PTPN11
X3405.6	Attention deficit hyperactivity disorde	UFC1
X3416.2	Attention deficit hyperactivity disorde	BTK
X3418.12	Attention deficit hyperactivity disorde	CAMK1D
X3421.54	Attention deficit hyperactivity disorde	TNFSF8
X3431.54	Attention deficit hyperactivity disorde	EPHA1
X3435.53	Attention deficit hyperactivity disorde	FN1
X3450.4	Attention deficit hyperactivity disorde	KLK6
X3459.49	Attention deficit hyperactivity disorde	PDGFRB
X3508.78	Attention deficit hyperactivity disorde	CCL22
X3509.1	Attention deficit hyperactivity disorde	CCL15
X3583.54	Attention deficit hyperactivity disorde	ARSA
X3592.4	Attention deficit hyperactivity disorde	CAMK1
X3603.60	Attention deficit hyperactivity disorde	CLEC7A
X3608.12	Attention deficit hyperactivity disorde	DPP7
X3611.70	Attention deficit hyperactivity disorde	ECE1
X3623.84	Attention deficit hyperactivity disorde	LY86
X3633.70	Attention deficit hyperactivity disorde	NID2
X3636.37	Attention deficit hyperactivity disorde	OLR1
X3646.7	Attention deficit hyperactivity disorde	TEC
X3666.17	Attention deficit hyperactivity disorde	CFHR5
X3676.15	Attention deficit hyperactivity disorde	IGF2R
X3727.35	Attention deficit hyperactivity disorde	PYY
X3796.79	Attention deficit hyperactivity disorde	ANGPTL4
X3799.11	Attention deficit hyperactivity disorde	CA3
X3805.16	Attention deficit hyperactivity disorde	ESM1
X3813.3	Attention deficit hyperactivity disorde	FYN
X3822.54	Attention deficit hyperactivity disorde	MAPKAPK3
X3827.22	Attention deficit hyperactivity disorde	PAK6
X3872.2	Attention deficit hyperactivity disorde	TPT1
X3887.90	Attention deficit hyperactivity disorde	KPNB1
X3894.15	Attention deficit hyperactivity disorde	NAGK
X3902.21	Attention deficit hyperactivity disorde	SKP1
X4139.71	Attention deficit hyperactivity disorde	IL6R
X4151.6	Attention deficit hyperactivity disorde	PLG
X4155.3	Attention deficit hyperactivity disorde	TNC
X4160.49	Attention deficit hyperactivity disorde	MMP2
X4179.57	Attention deficit hyperactivity disorde	YWHAB,YWHAE,Y
X4187.49	Attention deficit hyperactivity disorde	PGD

X4192.10	Attention deficit hyperactivity disorde	AKR1A1
X4232.19	Attention deficit hyperactivity disorde	IGF1R
X4234.8	Attention deficit hyperactivity disorde	IL1RL1
X4271.75	Attention deficit hyperactivity disorde	PFDN5
X4337.49	Attention deficit hyperactivity disorde	CRP
X4342.10	Attention deficit hyperactivity disorde	ICAM1
X4374.45	Attention deficit hyperactivity disorde	GDF15
X4397.26	Attention deficit hyperactivity disorde	IFNL2
X4407.10	Attention deficit hyperactivity disorde	MST1
X4420.7	Attention deficit hyperactivity disorde	ADAM12
X4430.44	Attention deficit hyperactivity disorde	COLEC11
X4436.1	Attention deficit hyperactivity disorde	ENTPD3
X4459.68	Attention deficit hyperactivity disorde	PCSK7
X4467.49	Attention deficit hyperactivity disorde	SPARCL1
X4479.14	Attention deficit hyperactivity disorde	SERPING1
X4487.1	Attention deficit hyperactivity disorde	FGF7
X4495.33	Attention deficit hyperactivity disorde	KNG1
X4535.50	Attention deficit hyperactivity disorde	BST1
X4541.49	Attention deficit hyperactivity disorde	CDON
X4542.24	Attention deficit hyperactivity disorde	CLU
X4549.78	Attention deficit hyperactivity disorde	FUT5
X4557.61	Attention deficit hyperactivity disorde	KIRREL3
X4588.1	Attention deficit hyperactivity disorde	PPY
X4703.87	Attention deficit hyperactivity disorde	LTA
X4721.54	Attention deficit hyperactivity disorde	TFF3
X4771.10	Attention deficit hyperactivity disorde	SMPDL3A
X4775.34	Attention deficit hyperactivity disorde	GSN
X4815.25	Attention deficit hyperactivity disorde	TXNDC12
X4831.4	Attention deficit hyperactivity disorde	SELL
X4834.61	Attention deficit hyperactivity disorde	EPHA2
X4840.73	Attention deficit hyperactivity disorde	CSF3
X4866.59	Attention deficit hyperactivity disorde	NTRK2
X4874.3	Attention deficit hyperactivity disorde	ANG
X4905.63	Attention deficit hyperactivity disorde	COTL1
X4906.35	Attention deficit hyperactivity disorde	F5
X4909.68	Attention deficit hyperactivity disorde	LGALS8
X4911.49	Attention deficit hyperactivity disorde	GSTP1
X4913.78	Attention deficit hyperactivity disorde	CCL16
X4915.64	Attention deficit hyperactivity disorde	HBA1 HBB
X4920.10	Attention deficit hyperactivity disorde	LYZ
X4929.55	Attention deficit hyperactivity disorde	SHBG
X4957.1	Attention deficit hyperactivity disorde	RPSA
X4962.52	Attention deficit hyperactivity disorde	CDNF
X4964.67	Attention deficit hyperactivity disorde	ERAP1
X4967.1	Attention deficit hyperactivity disorde	C1QBP

X4968.50	Attention deficit hyperactivity disorde	CAPG
X4976.57	Attention deficit hyperactivity disorde	CRK
X4984.83	Attention deficit hyperactivity disorde	ESD
X4989.7	Attention deficit hyperactivity disorde	FGG
X4992.49	Attention deficit hyperactivity disorde	GRN
X5001.6	Attention deficit hyperactivity disorde	SCGB2A1
X5012.67	Attention deficit hyperactivity disorde	AK1
X5015.15	Attention deficit hyperactivity disorde	PLA2G7
X5020.50	Attention deficit hyperactivity disorde	PGK1
X5036.50	Attention deficit hyperactivity disorde	TNFAIP6
X5060.62	Attention deficit hyperactivity disorde	CD274
X5068.54	Attention deficit hyperactivity disorde	CRTAM
X5084.154	Attention deficit hyperactivity disorde	IL17RB
X5091.28	Attention deficit hyperactivity disorde	LILRB2
X5092.51	Attention deficit hyperactivity disorde	JAG1
X5129.12	Attention deficit hyperactivity disorde	SCARF1
X5132.71	Attention deficit hyperactivity disorde	IL27RA
X5134.52	Attention deficit hyperactivity disorde	HAVCR2
X5312.49	Attention deficit hyperactivity disorde	APOE
X5340.24	Attention deficit hyperactivity disorde	CASP10
X5343.74	Attention deficit hyperactivity disorde	CPE
X5345.51	Attention deficit hyperactivity disorde	CKAP2
X5349.69	Attention deficit hyperactivity disorde	DLL1
X5350.14	Attention deficit hyperactivity disorde	GPC6
X5354.11	Attention deficit hyperactivity disorde	KRT18
X5363.51	Attention deficit hyperactivity disorde	SEMA3E
X5400.52	Attention deficit hyperactivity disorde	LEPR
X5457.5	Attention deficit hyperactivity disorde	COLEC12
X5464.52	Attention deficit hyperactivity disorde	GRB2
X5478.50	Attention deficit hyperactivity disorde	FOLH1
X5486.73	Attention deficit hyperactivity disorde	ICAM2
X5487.7	Attention deficit hyperactivity disorde	SLAMF7
X5491.12	Attention deficit hyperactivity disorde	SPOCK2
X5542.22	Attention deficit hyperactivity disorde	NRP1
X5858.6	Attention deficit hyperactivity disorde	YWHAZ
X5864.10	Attention deficit hyperactivity disorde	ALDOA
X5918.5	Attention deficit hyperactivity disorde	PSME1
X6649.51	Attention deficit hyperactivity disorde	NTN1
X8464.31	Attention deficit hyperactivity disorde	RSPO4
X8465.52	Attention deficit hyperactivity disorde	CTSH
X8474.6	Attention deficit hyperactivity disorde	ROR1
X8479.4	Attention deficit hyperactivity disorde	MMP10
X9169.14	Attention deficit hyperactivity disorde	SUMO3
X9172.69	Attention deficit hyperactivity disorde	MMP8
X9177.6	Attention deficit hyperactivity disorde	FAM3B

X9183.7	Attention deficit hyperactivity disorde	IFNAR1
X9197.4	Attention deficit hyperactivity disorde	LGALS9
X9199.6	Attention deficit hyperactivity disorde	UBE2G2
X10344.334	Major depressive disorder	IL10RA
X11096.57	Major depressive disorder	N6AMT1
X11102.22	Major depressive disorder	REG4
X11104.13	Major depressive disorder	CHI3L1
X13094.75	Major depressive disorder	RSPO3
X13113.7	Major depressive disorder	SPP1
X13119.26	Major depressive disorder	SERPINA10
X13125.45	Major depressive disorder	VTN
X13126.52	Major depressive disorder	DSC2
X13131.5	Major depressive disorder	HK1
X14116.129	Major depressive disorder	S100A4
X14120.2	Major depressive disorder	RNF43
X14133.93	Major depressive disorder	IL1R2
X14134.49	Major depressive disorder	AMIGO2
X14136.234	Major depressive disorder	CD93
X14139.16	Major depressive disorder	NRG4
X14151.4	Major depressive disorder	ISG15
X2190.55	Major depressive disorder	F11
X2443.10	Major depressive disorder	FGF8
X2475.1	Major depressive disorder	KIT
X2501.51	Major depressive disorder	CDH1
X2516.57	Major depressive disorder	CCL21
X2571.12	Major depressive disorder	IGFBP3
X2578.67	Major depressive disorder	CCL2
X2579.17	Major depressive disorder	MMP9
X2618.10	Major depressive disorder	ERBB4
X2625.53	Major depressive disorder	HSP90AA1 HSP90A
X2630.12	Major depressive disorder	IL1RAP
X2631.50	Major depressive disorder	IL10RB
X2635.61	Major depressive disorder	LAYN
X2636.10	Major depressive disorder	LTBR
X2677.1	Major depressive disorder	EGFR
X2681.23	Major depressive disorder	HGF
X2687.2	Major depressive disorder	MIA
X2697.7	Major depressive disorder	PF4
X2714.78	Major depressive disorder	AIMP1
X2731.29	Major depressive disorder	POR
X2742.68	Major depressive disorder	SIGLEC7
X2747.3	Major depressive disorder	ULBP3
X2762.30	Major depressive disorder	FGF19
X2768.56	Major depressive disorder	HPX
X2774.10	Major depressive disorder	IL16

X2778.10	Major depressive disorder	IL22
X2794.60	Major depressive disorder	SOD1
X2813.11	Major depressive disorder	AGRP
X2828.82	Major depressive disorder	SPINT1
X2831.29	Major depressive disorder	KLK11
X2837.3	Major depressive disorder	MET
X2841.13	Major depressive disorder	FRZB
X2844.53	Major depressive disorder	TIE1
X2846.24	Major depressive disorder	RPS27A
X2851.63	Major depressive disorder	C5
X2855.49	Major depressive disorder	MAPK3
X2877.3	Major depressive disorder	UBE2I
X2888.49	Major depressive disorder	C7
X2900.53	Major depressive disorder	CCL14
X2913.1	Major depressive disorder	CCL23
X2944.66	Major depressive disorder	NBL1
X2948.58	Major depressive disorder	GHR
X2953.31	Major depressive disorder	CGA LHB
X2961.1	Major depressive disorder	PROC
X2966.65	Major depressive disorder	CLEC11A
X2968.61	Major depressive disorder	TNFSF15
X2970.60	Major depressive disorder	AREG
X2972.57	Major depressive disorder	BMP7
X3005.5	Major depressive disorder	PTPN1
X3007.7	Major depressive disorder	SIGLEC9
X3028.36	Major depressive disorder	CCL23
X3029.52	Major depressive disorder	CD209
X3032.11	Major depressive disorder	CGA FSHB
X3038.9	Major depressive disorder	CXCL11
X3042.7	Major depressive disorder	MB
X3044.3	Major depressive disorder	CCL18
X3054.3	Major depressive disorder	HP
X3061.61	Major depressive disorder	CTSB
X3066.12	Major depressive disorder	LGALS3
X3169.70	Major depressive disorder	IDUA
X3172.28	Major depressive disorder	ARSB
X3173.49	Major depressive disorder	NAAA
X3175.51	Major depressive disorder	ADAMTS13
X3177.49	Major depressive disorder	CA4
X3179.51	Major depressive disorder	CTSA
X3182.38	Major depressive disorder	ENTPD1
X3184.25	Major depressive disorder	F7
X3194.36	Major depressive disorder	GP6
X3195.50	Major depressive disorder	GNLY
X3196.6	Major depressive disorder	HAPLN1

X3213.65	Major depressive disorder	NID1
X3216.2	Major depressive disorder	PIGR
X3220.40	Major depressive disorder	RET
X3232.28	Major depressive disorder	ACP5
X3235.50	Major depressive disorder	WFIKKN2
X3290.50	Major depressive disorder	CD109
X3291.30	Major depressive disorder	FCER2
X3293.2	Major depressive disorder	CD5L
X3296.92	Major depressive disorder	CNTN2
X3298.52	Major depressive disorder	CNTN4
X3303.23	Major depressive disorder	CST6
X3311.27	Major depressive disorder	FCGR3B
X3312.64	Major depressive disorder	FCGR1A
X3314.74	Major depressive disorder	GFRA1
X3315.15	Major depressive disorder	GPC2
X3316.58	Major depressive disorder	SERPIND1
X3322.52	Major depressive disorder	LRIG3
X3339.33	Major depressive disorder	THBS2
X3340.53	Major depressive disorder	THBS4
X3365.7	Major depressive disorder	DKK4
X3366.51	Major depressive disorder	ECM1
X3378.49	Major depressive disorder	KLK7
X3396.54	Major depressive disorder	REN
X3397.7	Major depressive disorder	PTPN11
X3403.1	Major depressive disorder	TPSB2
X3405.6	Major depressive disorder	UFC1
X3416.2	Major depressive disorder	BTK
X3418.12	Major depressive disorder	CAMK1D
X3421.54	Major depressive disorder	TNFSF8
X3431.54	Major depressive disorder	EPHA1
X3435.53	Major depressive disorder	FN1
X3438.10	Major depressive disorder	FSTL3
X3450.4	Major depressive disorder	KLK6
X3457.57	Major depressive disorder	POSTN
X3459.49	Major depressive disorder	PDGFRB
X3470.1	Major depressive disorder	SELE
X3508.78	Major depressive disorder	CCL22
X3509.1	Major depressive disorder	CCL15
X3583.54	Major depressive disorder	ARSA
X3592.4	Major depressive disorder	CAMK1
X3603.60	Major depressive disorder	CLEC7A
X3611.70	Major depressive disorder	ECE1
X3617.80	Major depressive disorder	HGFAC
X3623.84	Major depressive disorder	LY86
X3633.70	Major depressive disorder	NID2

X3636.37	Major depressive disorder	OLR1
X3646.7	Major depressive disorder	TEC
X3666.17	Major depressive disorder	CFHR5
X3676.15	Major depressive disorder	IGF2R
X3727.35	Major depressive disorder	PYY
X3796.79	Major depressive disorder	ANGPTL4
X3799.11	Major depressive disorder	CA3
X3805.16	Major depressive disorder	ESM1
X3813.3	Major depressive disorder	FYN
X3822.54	Major depressive disorder	MAPKAPK3
X3827.22	Major depressive disorder	PAK6
X3872.2	Major depressive disorder	TPT1
X3887.90	Major depressive disorder	KPNB1
X3894.15	Major depressive disorder	NAGK
X3902.21	Major depressive disorder	SKP1
X4139.71	Major depressive disorder	IL6R
X4151.6	Major depressive disorder	PLG
X4160.49	Major depressive disorder	MMP2
X4179.57	Major depressive disorder	YWHAB,YWHAE,Y
X4187.49	Major depressive disorder	PGD
X4192.10	Major depressive disorder	AKR1A1
X4232.19	Major depressive disorder	IGF1R
X4234.8	Major depressive disorder	IL1RL1
X4271.75	Major depressive disorder	PFDN5
X4297.62	Major depressive disorder	SPON1
X4337.49	Major depressive disorder	CRP
X4342.10	Major depressive disorder	ICAM1
X4374.45	Major depressive disorder	GDF15
X4397.26	Major depressive disorder	IFNL2
X4407.10	Major depressive disorder	MST1
X4420.7	Major depressive disorder	ADAM12
X4430.44	Major depressive disorder	COLEC11
X4436.1	Major depressive disorder	ENTPD3
X4459.68	Major depressive disorder	PCSK7
X4467.49	Major depressive disorder	SPARCL1
X4479.14	Major depressive disorder	SERPING1
X4487.1	Major depressive disorder	FGF7
X4495.33	Major depressive disorder	KNG1
X4500.50	Major depressive disorder	CLEC11A
X4535.50	Major depressive disorder	BST1
X4541.49	Major depressive disorder	CDON
X4542.24	Major depressive disorder	CLU
X4549.78	Major depressive disorder	FUT5
X4557.61	Major depressive disorder	KIRREL3
X4564.2	Major depressive disorder	PLXNC1

X4588.1	Major depressive disorder	PPY
X4703.87	Major depressive disorder	LTA
X4721.54	Major depressive disorder	TFF3
X4771.10	Major depressive disorder	SMPDL3A
X4775.34	Major depressive disorder	GSN
X4815.25	Major depressive disorder	TXNDC12
X4831.4	Major depressive disorder	SELL
X4834.61	Major depressive disorder	EPHA2
X4840.73	Major depressive disorder	CSF3
X4866.59	Major depressive disorder	NTRK2
X4874.3	Major depressive disorder	ANG
X4905.63	Major depressive disorder	COTL1
X4906.35	Major depressive disorder	F5
X4909.68	Major depressive disorder	LGALS8
X4911.49	Major depressive disorder	GSTP1
X4913.78	Major depressive disorder	CCL16
X4915.64	Major depressive disorder	HBA1 HBB
X4920.10	Major depressive disorder	LYZ
X4929.55	Major depressive disorder	SHBG
X4957.1	Major depressive disorder	RPSA
X4962.52	Major depressive disorder	CDNF
X4964.67	Major depressive disorder	ERAP1
X4967.1	Major depressive disorder	C1QBP
X4968.50	Major depressive disorder	CAPG
X4971.1	Major depressive disorder	CTSZ
X4976.57	Major depressive disorder	CRK
X4984.83	Major depressive disorder	ESD
X4989.7	Major depressive disorder	FGG
X4992.49	Major depressive disorder	GRN
X5001.6	Major depressive disorder	SCGB2A1
X5012.67	Major depressive disorder	AK1
X5015.15	Major depressive disorder	PLA2G7
X5020.50	Major depressive disorder	PGK1
X5036.50	Major depressive disorder	TNFAIP6
X5060.62	Major depressive disorder	CD274
X5068.54	Major depressive disorder	CRTAM
X5084.154	Major depressive disorder	IL17RB
X5091.28	Major depressive disorder	LILRB2
X5092.51	Major depressive disorder	JAG1
X5129.12	Major depressive disorder	SCARF1
X5132.71	Major depressive disorder	IL27RA
X5134.52	Major depressive disorder	HAVCR2
X5229.90	Major depressive disorder	IMPDH1
X5245.40	Major depressive disorder	PRKAA2 PRKAB2 P
X5312.49	Major depressive disorder	APOE

X5340.24	Major depressive disorder	CASP10
X5343.74	Major depressive disorder	CPE
X5345.51	Major depressive disorder	CKAP2
X5349.69	Major depressive disorder	DLL1
X5350.14	Major depressive disorder	GPC6
X5354.11	Major depressive disorder	KRT18
X5363.51	Major depressive disorder	SEMA3E
X5400.52	Major depressive disorder	LEPR
X5457.5	Major depressive disorder	COLEC12
X5464.52	Major depressive disorder	GRB2
X5467.15	Major depressive disorder	HSP90AB1
X5468.67	Major depressive disorder	IL17RC
X5478.50	Major depressive disorder	FOLH1
X5486.73	Major depressive disorder	ICAM2
X5487.7	Major depressive disorder	SLAMF7
X5491.12	Major depressive disorder	SPOCK2
X5542.22	Major depressive disorder	NRP1
X5801.72	Major depressive disorder	NGF
X5858.6	Major depressive disorder	YWHAZ
X5864.10	Major depressive disorder	ALDOA
X5918.5	Major depressive disorder	PSME1
X6649.51	Major depressive disorder	NTN1
X7660.21	Major depressive disorder	TPM4
X8464.31	Major depressive disorder	RSPO4
X8465.52	Major depressive disorder	CTSH
X8474.6	Major depressive disorder	ROR1
X8479.4	Major depressive disorder	MMP10
X9169.14	Major depressive disorder	SUMO3
X9172.69	Major depressive disorder	MMP8
X9177.6	Major depressive disorder	FAM3B
X9183.7	Major depressive disorder	IFNAR1
X9197.4	Major depressive disorder	LGALS9
X9199.6	Major depressive disorder	UBE2G2
X10344.334	Schizophrenia	IL10RA
X11096.57	Schizophrenia	N6AMT1
X11102.22	Schizophrenia	REG4
X11104.13	Schizophrenia	CHI3L1
X13113.7	Schizophrenia	SPP1
X13119.26	Schizophrenia	SERPINA10
X13125.45	Schizophrenia	VTN
X13126.52	Schizophrenia	DSC2
X13131.5	Schizophrenia	HK1
X14116.129	Schizophrenia	S100A4
X14120.2	Schizophrenia	RNF43
X14133.93	Schizophrenia	IL1R2

X14134.49	Schizophrenia	AMIGO2
X14136.234	Schizophrenia	CD93
X14139.16	Schizophrenia	NRG4
X14151.4	Schizophrenia	ISG15
X2190.55	Schizophrenia	F11
X2443.10	Schizophrenia	FGF8
X2475.1	Schizophrenia	KIT
X2516.57	Schizophrenia	CCL21
X2571.12	Schizophrenia	IGFBP3
X2578.67	Schizophrenia	CCL2
X2579.17	Schizophrenia	MMP9
X2618.10	Schizophrenia	ERBB4
X2625.53	Schizophrenia	HSP90AA1 HSP90A
X2630.12	Schizophrenia	IL1RAP
X2631.50	Schizophrenia	IL10RB
X2635.61	Schizophrenia	LAYN
X2636.10	Schizophrenia	LTBR
X2677.1	Schizophrenia	EGFR
X2681.23	Schizophrenia	HGF
X2687.2	Schizophrenia	MIA
X2697.7	Schizophrenia	PF4
X2714.78	Schizophrenia	AIMP1
X2731.29	Schizophrenia	POR
X2742.68	Schizophrenia	SIGLEC7
X2747.3	Schizophrenia	ULBP3
X2762.30	Schizophrenia	FGF19
X2768.56	Schizophrenia	HPX
X2774.10	Schizophrenia	IL16
X2778.10	Schizophrenia	IL22
X2794.60	Schizophrenia	SOD1
X2813.11	Schizophrenia	AGRP
X2828.82	Schizophrenia	SPINT1
X2831.29	Schizophrenia	KLK11
X2837.3	Schizophrenia	MET
X2841.13	Schizophrenia	FRZB
X2844.53	Schizophrenia	TIE1
X2846.24	Schizophrenia	RPS27A
X2851.63	Schizophrenia	C5
X2855.49	Schizophrenia	MAPK3
X2877.3	Schizophrenia	UBE2I
X2888.49	Schizophrenia	C7
X2900.53	Schizophrenia	CCL14
X2913.1	Schizophrenia	CCL23
X2944.66	Schizophrenia	NBL1
X2946.52	Schizophrenia	CFD

X2948.58	Schizophrenia	GHR
X2953.31	Schizophrenia	CGA LHB
X2961.1	Schizophrenia	PROC
X2966.65	Schizophrenia	CLEC11A
X2968.61	Schizophrenia	TNFSF15
X2970.60	Schizophrenia	AREG
X2972.57	Schizophrenia	BMP7
X3005.5	Schizophrenia	PTPN1
X3007.7	Schizophrenia	SIGLEC9
X3028.36	Schizophrenia	CCL23
X3029.52	Schizophrenia	CD209
X3032.11	Schizophrenia	CGA FSHB
X3038.9	Schizophrenia	CXCL11
X3042.7	Schizophrenia	MB
X3044.3	Schizophrenia	CCL18
X3054.3	Schizophrenia	HP
X3061.61	Schizophrenia	CTSB
X3066.12	Schizophrenia	LGALS3
X3074.6	Schizophrenia	LBP
X3169.70	Schizophrenia	IDUA
X3172.28	Schizophrenia	ARSB
X3173.49	Schizophrenia	NAAA
X3175.51	Schizophrenia	ADAMTS13
X3177.49	Schizophrenia	CA4
X3179.51	Schizophrenia	CTSA
X3182.38	Schizophrenia	ENTPD1
X3184.25	Schizophrenia	F7
X3194.36	Schizophrenia	GP6
X3195.50	Schizophrenia	GNLY
X3213.65	Schizophrenia	NID1
X3216.2	Schizophrenia	PIGR
X3220.40	Schizophrenia	RET
X3232.28	Schizophrenia	ACP5
X3235.50	Schizophrenia	WFIKKN2
X3290.50	Schizophrenia	CD109
X3291.30	Schizophrenia	FCER2
X3293.2	Schizophrenia	CD5L
X3296.92	Schizophrenia	CNTN2
X3298.52	Schizophrenia	CNTN4
X3303.23	Schizophrenia	CST6
X3311.27	Schizophrenia	FCGR3B
X3312.64	Schizophrenia	FCGR1A
X3314.74	Schizophrenia	GFRA1
X3316.58	Schizophrenia	SERPIND1
X3322.52	Schizophrenia	LRIG3

X3339.33	Schizophrenia	THBS2
X3340.53	Schizophrenia	THBS4
X3365.7	Schizophrenia	DKK4
X3366.51	Schizophrenia	ECM1
X3378.49	Schizophrenia	KLK7
X3396.54	Schizophrenia	REN
X3397.7	Schizophrenia	PTPN11
X3403.1	Schizophrenia	TPSB2
X3405.6	Schizophrenia	UFC1
X3416.2	Schizophrenia	BTK
X3418.12	Schizophrenia	CAMK1D
X3421.54	Schizophrenia	TNFSF8
X3431.54	Schizophrenia	EPHA1
X3435.53	Schizophrenia	FN1
X3438.10	Schizophrenia	FSTL3
X3450.4	Schizophrenia	KLK6
X3459.49	Schizophrenia	PDGFRB
X3461.58	Schizophrenia	BCAN
X3470.1	Schizophrenia	SELE
X3508.78	Schizophrenia	CCL22
X3509.1	Schizophrenia	CCL15
X3583.54	Schizophrenia	ARSA
X3592.4	Schizophrenia	CAMK1
X3603.60	Schizophrenia	CLEC7A
X3608.12	Schizophrenia	DPP7
X3611.70	Schizophrenia	ECE1
X3617.80	Schizophrenia	HGFAC
X3623.84	Schizophrenia	LY86
X3633.70	Schizophrenia	NID2
X3636.37	Schizophrenia	OLR1
X3646.7	Schizophrenia	TEC
X3666.17	Schizophrenia	CFHR5
X3676.15	Schizophrenia	IGF2R
X3727.35	Schizophrenia	PYY
X3730.81	Schizophrenia	TNFRSF4
X3796.79	Schizophrenia	ANGPTL4
X3799.11	Schizophrenia	CA3
X3805.16	Schizophrenia	ESM1
X3813.3	Schizophrenia	FYN
X3822.54	Schizophrenia	MAPKAPK3
X3827.22	Schizophrenia	PAK6
X3872.2	Schizophrenia	TPT1
X3887.90	Schizophrenia	KPNB1
X3894.15	Schizophrenia	NAGK
X3902.21	Schizophrenia	SKP1

X4139.71	Schizophrenia	IL6R
X4151.6	Schizophrenia	PLG
X4155.3	Schizophrenia	TNC
X4160.49	Schizophrenia	MMP2
X4179.57	Schizophrenia	YWHAB,YWHAE,Y
X4187.49	Schizophrenia	PGD
X4192.10	Schizophrenia	AKR1A1
X4203.50	Schizophrenia	CFL1
X4232.19	Schizophrenia	IGF1R
X4234.8	Schizophrenia	IL1RL1
X4271.75	Schizophrenia	PFDN5
X4337.49	Schizophrenia	CRP
X4342.10	Schizophrenia	ICAM1
X4374.45	Schizophrenia	GDF15
X4397.26	Schizophrenia	IFNL2
X4407.10	Schizophrenia	MST1
X4420.7	Schizophrenia	ADAM12
X4430.44	Schizophrenia	COLEC11
X4436.1	Schizophrenia	ENTPD3
X4459.68	Schizophrenia	PCSK7
X4467.49	Schizophrenia	SPARCL1
X4479.14	Schizophrenia	SERPING1
X4487.1	Schizophrenia	FGF7
X4495.33	Schizophrenia	KNG1
X4500.50	Schizophrenia	CLEC11A
X4535.50	Schizophrenia	BST1
X4541.49	Schizophrenia	CDON
X4542.24	Schizophrenia	CLU
X4549.78	Schizophrenia	FUT5
X4557.61	Schizophrenia	KIRREL3
X4564.2	Schizophrenia	PLXNC1
X4588.1	Schizophrenia	PPY
X4703.87	Schizophrenia	LTA
X4721.54	Schizophrenia	TFF3
X4771.10	Schizophrenia	SMPDL3A
X4775.34	Schizophrenia	GSN
X4815.25	Schizophrenia	TXNDC12
X4831.4	Schizophrenia	SELL
X4834.61	Schizophrenia	EPHA2
X4840.73	Schizophrenia	CSF3
X4866.59	Schizophrenia	NTRK2
X4874.3	Schizophrenia	ANG
X4905.63	Schizophrenia	COTL1
X4906.35	Schizophrenia	F5
X4909.68	Schizophrenia	LGALS8

X4911.49	Schizophrenia	GSTP1
X4913.78	Schizophrenia	CCL16
X4915.64	Schizophrenia	HBA1 HBB
X4920.10	Schizophrenia	LYZ
X4929.55	Schizophrenia	SHBG
X4957.1	Schizophrenia	RPSA
X4962.52	Schizophrenia	CDNF
X4964.67	Schizophrenia	ERAP1
X4967.1	Schizophrenia	C1QBP
X4968.50	Schizophrenia	CAPG
X4976.57	Schizophrenia	CRK
X4984.83	Schizophrenia	ESD
X4989.7	Schizophrenia	FGG
X4992.49	Schizophrenia	GRN
X5001.6	Schizophrenia	SCGB2A1
X5012.67	Schizophrenia	AK1
X5015.15	Schizophrenia	PLA2G7
X5020.50	Schizophrenia	PGK1
X5036.50	Schizophrenia	TNFAIP6
X5060.62	Schizophrenia	CD274
X5068.54	Schizophrenia	CRTAM
X5084.154	Schizophrenia	IL17RB
X5091.28	Schizophrenia	LILRB2
X5092.51	Schizophrenia	JAG1
X5129.12	Schizophrenia	SCARF1
X5132.71	Schizophrenia	IL27RA
X5134.52	Schizophrenia	HAVCR2
X5245.40	Schizophrenia	PRKAA2 PRKAB2 P
X5312.49	Schizophrenia	APOE
X5340.24	Schizophrenia	CASP10
X5343.74	Schizophrenia	CPE
X5345.51	Schizophrenia	CKAP2
X5349.69	Schizophrenia	DLL1
X5350.14	Schizophrenia	GPC6
X5354.11	Schizophrenia	KRT18
X5363.51	Schizophrenia	SEMA3E
X5400.52	Schizophrenia	LEPR
X5457.5	Schizophrenia	COLEC12
X5464.52	Schizophrenia	GRB2
X5467.15	Schizophrenia	HSP90AB1
X5478.50	Schizophrenia	FOLH1
X5486.73	Schizophrenia	ICAM2
X5487.7	Schizophrenia	SLAMF7
X5491.12	Schizophrenia	SPOCK2
X5542.22	Schizophrenia	NRP1

X5858.6	Schizophrenia	YWHAZ
X5864.10	Schizophrenia	ALDOA
X5918.5	Schizophrenia	PSME1
X6649.51	Schizophrenia	NTN1
X7660.21	Schizophrenia	TPM4
X8464.31	Schizophrenia	RSPO4
X8465.52	Schizophrenia	CTSH
X8474.6	Schizophrenia	ROR1
X8479.4	Schizophrenia	MMP10
X9169.14	Schizophrenia	SUMO3
X9172.69	Schizophrenia	MMP8
X9177.6	Schizophrenia	FAM3B
X9183.7	Schizophrenia	IFNAR1
X9197.4	Schizophrenia	LGALS9
X9199.6	Schizophrenia	UBE2G2
X10344.334	Bipolar disorder	IL10RA
X11096.57	Bipolar disorder	N6AMT1
X11102.22	Bipolar disorder	REG4
X11104.13	Bipolar disorder	CHI3L1
X13113.7	Bipolar disorder	SPP1
X13119.26	Bipolar disorder	SERPINA10
X13125.45	Bipolar disorder	VTN
X13126.52	Bipolar disorder	DSC2
X13131.5	Bipolar disorder	HK1
X14116.129	Bipolar disorder	S100A4
X14120.2	Bipolar disorder	RNF43
X14133.93	Bipolar disorder	IL1R2
X14134.49	Bipolar disorder	AMIGO2
X14136.234	Bipolar disorder	CD93
X14139.16	Bipolar disorder	NRG4
X14151.4	Bipolar disorder	ISG15
X2190.55	Bipolar disorder	F11
X2443.10	Bipolar disorder	FGF8
X2475.1	Bipolar disorder	KIT
X2516.57	Bipolar disorder	CCL21
X2571.12	Bipolar disorder	IGFBP3
X2578.67	Bipolar disorder	CCL2
X2579.17	Bipolar disorder	MMP9
X2618.10	Bipolar disorder	ERBB4
X2625.53	Bipolar disorder	HSP90AA1 HSP90A
X2630.12	Bipolar disorder	IL1RAP
X2631.50	Bipolar disorder	IL10RB
X2635.61	Bipolar disorder	LAYN
X2636.10	Bipolar disorder	LTBR
X2677.1	Bipolar disorder	EGFR

X2681.23	Bipolar disorder	HGF
X2687.2	Bipolar disorder	MIA
X2697.7	Bipolar disorder	PF4
X2714.78	Bipolar disorder	AIMP1
X2731.29	Bipolar disorder	POR
X2742.68	Bipolar disorder	SIGLEC7
X2747.3	Bipolar disorder	ULBP3
X2762.30	Bipolar disorder	FGF19
X2768.56	Bipolar disorder	HPX
X2774.10	Bipolar disorder	IL16
X2778.10	Bipolar disorder	IL22
X2794.60	Bipolar disorder	SOD1
X2813.11	Bipolar disorder	AGRP
X2828.82	Bipolar disorder	SPINT1
X2831.29	Bipolar disorder	KLK11
X2837.3	Bipolar disorder	MET
X2841.13	Bipolar disorder	FRZB
X2844.53	Bipolar disorder	TIE1
X2846.24	Bipolar disorder	RPS27A
X2851.63	Bipolar disorder	C5
X2855.49	Bipolar disorder	MAPK3
X2877.3	Bipolar disorder	UBE2I
X2888.49	Bipolar disorder	C7
X2900.53	Bipolar disorder	CCL14
X2913.1	Bipolar disorder	CCL23
X2944.66	Bipolar disorder	NBL1
X2946.52	Bipolar disorder	CFD
X2948.58	Bipolar disorder	GHR
X2953.31	Bipolar disorder	CGA LHB
X2961.1	Bipolar disorder	PROC
X2966.65	Bipolar disorder	CLEC11A
X2968.61	Bipolar disorder	TNFSF15
X2970.60	Bipolar disorder	AREG
X2972.57	Bipolar disorder	BMP7
X3005.5	Bipolar disorder	PTPN1
X3007.7	Bipolar disorder	SIGLEC9
X3028.36	Bipolar disorder	CCL23
X3029.52	Bipolar disorder	CD209
X3032.11	Bipolar disorder	CGA FSHB
X3038.9	Bipolar disorder	CXCL11
X3044.3	Bipolar disorder	CCL18
X3054.3	Bipolar disorder	HP
X3061.61	Bipolar disorder	CTSB
X3066.12	Bipolar disorder	LGALS3
X3074.6	Bipolar disorder	LBP

X3169.70	Bipolar disorder	IDUA
X3172.28	Bipolar disorder	ARSB
X3173.49	Bipolar disorder	NAAA
X3175.51	Bipolar disorder	ADAMTS13
X3177.49	Bipolar disorder	CA4
X3179.51	Bipolar disorder	CTSA
X3182.38	Bipolar disorder	ENTPD1
X3184.25	Bipolar disorder	F7
X3194.36	Bipolar disorder	GP6
X3195.50	Bipolar disorder	GNLY
X3213.65	Bipolar disorder	NID1
X3216.2	Bipolar disorder	PIGR
X3220.40	Bipolar disorder	RET
X3232.28	Bipolar disorder	ACP5
X3235.50	Bipolar disorder	WFIKKN2
X3290.50	Bipolar disorder	CD109
X3291.30	Bipolar disorder	FCER2
X3293.2	Bipolar disorder	CD5L
X3296.92	Bipolar disorder	CNTN2
X3298.52	Bipolar disorder	CNTN4
X3303.23	Bipolar disorder	CST6
X3311.27	Bipolar disorder	FCGR3B
X3312.64	Bipolar disorder	FCGR1A
X3314.74	Bipolar disorder	GFRA1
X3316.58	Bipolar disorder	SERPIND1
X3322.52	Bipolar disorder	LRIG3
X3339.33	Bipolar disorder	THBS2
X3340.53	Bipolar disorder	THBS4
X3365.7	Bipolar disorder	DKK4
X3366.51	Bipolar disorder	ECM1
X3378.49	Bipolar disorder	KLK7
X3396.54	Bipolar disorder	REN
X3397.7	Bipolar disorder	PTPN11
X3403.1	Bipolar disorder	TPSB2
X3405.6	Bipolar disorder	UFC1
X3416.2	Bipolar disorder	BTK
X3418.12	Bipolar disorder	CAMK1D
X3421.54	Bipolar disorder	TNFSF8
X3431.54	Bipolar disorder	EPHA1
X3435.53	Bipolar disorder	FN1
X3438.10	Bipolar disorder	FSTL3
X3450.4	Bipolar disorder	KLK6
X3459.49	Bipolar disorder	PDGFRB
X3461.58	Bipolar disorder	BCAN
X3470.1	Bipolar disorder	SELE

X3508.78	Bipolar disorder	CCL22
X3509.1	Bipolar disorder	CCL15
X3583.54	Bipolar disorder	ARSA
X3592.4	Bipolar disorder	CAMK1
X3603.60	Bipolar disorder	CLEC7A
X3608.12	Bipolar disorder	DPP7
X3611.70	Bipolar disorder	ECE1
X3617.80	Bipolar disorder	HGFAC
X3623.84	Bipolar disorder	LY86
X3633.70	Bipolar disorder	NID2
X3636.37	Bipolar disorder	OLR1
X3646.7	Bipolar disorder	TEC
X3666.17	Bipolar disorder	CFHR5
X3676.15	Bipolar disorder	IGF2R
X3727.35	Bipolar disorder	PYY
X3730.81	Bipolar disorder	TNFRSF4
X3796.79	Bipolar disorder	ANGPTL4
X3799.11	Bipolar disorder	CA3
X3805.16	Bipolar disorder	ESM1
X3813.3	Bipolar disorder	FYN
X3822.54	Bipolar disorder	MAPKAPK3
X3827.22	Bipolar disorder	PAK6
X3872.2	Bipolar disorder	TPT1
X3887.90	Bipolar disorder	KPNB1
X3894.15	Bipolar disorder	NAGK
X3902.21	Bipolar disorder	SKP1
X4139.71	Bipolar disorder	IL6R
X4151.6	Bipolar disorder	PLG
X4155.3	Bipolar disorder	TNC
X4160.49	Bipolar disorder	MMP2
X4179.57	Bipolar disorder	YWHAB,YWHAE,Y
X4187.49	Bipolar disorder	PGD
X4192.10	Bipolar disorder	AKR1A1
X4203.50	Bipolar disorder	CFL1
X4232.19	Bipolar disorder	IGF1R
X4234.8	Bipolar disorder	IL1RL1
X4271.75	Bipolar disorder	PFDN5
X4337.49	Bipolar disorder	CRP
X4342.10	Bipolar disorder	ICAM1
X4374.45	Bipolar disorder	GDF15
X4397.26	Bipolar disorder	IFNL2
X4407.10	Bipolar disorder	MST1
X4420.7	Bipolar disorder	ADAM12
X4430.44	Bipolar disorder	COLEC11
X4436.1	Bipolar disorder	ENTPD3

X4459.68	Bipolar disorder	PCSK7
X4467.49	Bipolar disorder	SPARCL1
X4479.14	Bipolar disorder	SERPING1
X4487.1	Bipolar disorder	FGF7
X4495.33	Bipolar disorder	KNG1
X4500.50	Bipolar disorder	CLEC11A
X4535.50	Bipolar disorder	BST1
X4541.49	Bipolar disorder	CDON
X4542.24	Bipolar disorder	CLU
X4549.78	Bipolar disorder	FUT5
X4557.61	Bipolar disorder	KIRREL3
X4564.2	Bipolar disorder	PLXNC1
X4588.1	Bipolar disorder	PPY
X4703.87	Bipolar disorder	LTA
X4721.54	Bipolar disorder	TFF3
X4771.10	Bipolar disorder	SMPDL3A
X4775.34	Bipolar disorder	GSN
X4815.25	Bipolar disorder	TXNDC12
X4831.4	Bipolar disorder	SELL
X4834.61	Bipolar disorder	EPHA2
X4840.73	Bipolar disorder	CSF3
X4866.59	Bipolar disorder	NTRK2
X4874.3	Bipolar disorder	ANG
X4905.63	Bipolar disorder	COTL1
X4906.35	Bipolar disorder	F5
X4909.68	Bipolar disorder	LGALS8
X4911.49	Bipolar disorder	GSTP1
X4913.78	Bipolar disorder	CCL16
X4915.64	Bipolar disorder	HBA1 HBB
X4920.10	Bipolar disorder	LYZ
X4929.55	Bipolar disorder	SHBG
X4957.1	Bipolar disorder	RPSA
X4962.52	Bipolar disorder	CDNF
X4964.67	Bipolar disorder	ERAP1
X4967.1	Bipolar disorder	C1QBP
X4968.50	Bipolar disorder	CAPG
X4976.57	Bipolar disorder	CRK
X4984.83	Bipolar disorder	ESD
X4989.7	Bipolar disorder	FGG
X4992.49	Bipolar disorder	GRN
X5001.6	Bipolar disorder	SCGB2A1
X5012.67	Bipolar disorder	AK1
X5015.15	Bipolar disorder	PLA2G7
X5020.50	Bipolar disorder	PGK1
X5036.50	Bipolar disorder	TNFAIP6

X5060.62	Bipolar disorder	CD274
X5068.54	Bipolar disorder	CRTAM
X5084.154	Bipolar disorder	IL17RB
X5091.28	Bipolar disorder	LILRB2
X5092.51	Bipolar disorder	JAG1
X5129.12	Bipolar disorder	SCARF1
X5132.71	Bipolar disorder	IL27RA
X5134.52	Bipolar disorder	HAVCR2
X5245.40	Bipolar disorder	PRKAA2 PRKAB2 P
X5312.49	Bipolar disorder	APOE
X5340.24	Bipolar disorder	CASP10
X5343.74	Bipolar disorder	CPE
X5345.51	Bipolar disorder	CKAP2
X5349.69	Bipolar disorder	DLL1
X5350.14	Bipolar disorder	GPC6
X5354.11	Bipolar disorder	KRT18
X5363.51	Bipolar disorder	SEMA3E
X5400.52	Bipolar disorder	LEPR
X5457.5	Bipolar disorder	COLEC12
X5464.52	Bipolar disorder	GRB2
X5467.15	Bipolar disorder	HSP90AB1
X5478.50	Bipolar disorder	FOLH1
X5486.73	Bipolar disorder	ICAM2
X5487.7	Bipolar disorder	SLAMF7
X5491.12	Bipolar disorder	SPOCK2
X5542.22	Bipolar disorder	NRP1
X5858.6	Bipolar disorder	YWHAZ
X5864.10	Bipolar disorder	ALDOA
X5918.5	Bipolar disorder	PSME1
X6649.51	Bipolar disorder	NTN1
X7660.21	Bipolar disorder	TPM4
X8464.31	Bipolar disorder	RSPO4
X8465.52	Bipolar disorder	CTSH
X8474.6	Bipolar disorder	ROR1
X8479.4	Bipolar disorder	MMP10
X9169.14	Bipolar disorder	SUMO3
X9172.69	Bipolar disorder	MMP8
X9177.6	Bipolar disorder	FAM3B
X9183.7	Bipolar disorder	IFNAR1
X9197.4	Bipolar disorder	LGALS9
X9199.6	Bipolar disorder	UBE2G2

ıs and mental disorders

Protein name	UniProt_id	b	se	pval
Interleukin-10 receptor subunit alpha	Q13651	0.007	0.875	0.994
HemK methyltransferase family member 2	Q9Y5N5	-0.456	0.264	0.084
Regenerating islet-derived protein 4	Q9BYZ8	-0.004	0.355	0.991
Chitinase-3-like protein 1	P36222	-0.054	0.070	0.436
Osteopontin	P10451	-0.178	0.426	0.676
Vitronectin	P04004	0.008	0.029	0.794
Desmocollin-2	Q02487	-0.013	0.638	0.984
Hexokinase-1	P19367	-0.209	0.154	0.176
E3 ubiquitin-protein ligase RNF43	Q68DV7	-1.058	0.685	0.122
Interleukin-1 receptor type 2	P27930	0.380	0.359	0.290
Amphoterin-induced protein 2	Q86SJ2	0.053	0.427	0.902
Complement component C1q receptor	Q9NPY3	0.377	0.635	0.553
Neuregulin-4	Q8WWG1	0.227	0.155	0.144
Ubiquitin-like protein ISG15	P05161	0.349	0.540	0.518
Coagulation Factor XI	P03951	0.222	0.293	0.448
Mast/stem cell growth factor receptor Kit	P10721	-0.179	0.480	0.709
Cadherin-1	P12830	-0.053	0.535	0.921
C-C motif chemokine 21	O00585	0.711	0.408	0.081
Insulin-like growth factor-binding protein 3	P17936	0.260	0.380	0.493
C-C motif chemokine 2	P13500	0.525	0.383	0.171
Matrix metalloproteinase-9	P14780	-0.215	0.328	0.512
Receptor tyrosine-protein kinase erbB-4	Q15303	-0.395	0.385	0.305
Heat shock protein HSP 90-alpha/beta	P07900 P08238	-0.399	0.637	0.531
Interleukin-1 Receptor accessory protein	Q9NPH3	-0.021	0.099	0.836
Interleukin-10 receptor subunit beta	Q08334	1.212	0.617	0.050
Layilin	Q6UX15	0.126	0.159	0.428
Tumor necrosis factor receptor superfamily memb	P36941	-0.031	0.824	0.970
Epidermal growth factor receptor	P00533	-0.341	0.386	0.377
Hepatocyte growth factor	P14210	-0.517	0.401	0.197
Melanoma-derived growth regulatory protein	Q16674	0.191	0.365	0.600
Endothelial monocyte-activating polypeptide 2	Q12904	-0.464	0.300	0.122
NADPH--cytochrome P450 reductase	P16435	1.395	0.462	0.003
NKG2D ligand 3	Q9BZM4	-0.565	0.314	0.071
Fibroblast growth factor 19	O95750	0.297	0.230	0.198
Hemopexin	P02790	0.106	0.080	0.189
Interleukin-16	Q14005	-0.673	0.347	0.053
Interleukin-22	Q9GZX6	0.188	0.240	0.434
Superoxide dismutase [Cu-Zn]	P00441	1.225	0.792	0.122
Agouti-related protein	O00253	0.148	0.387	0.702
Kunitz-type protease inhibitor 1	O43278	-0.338	0.667	0.612
Kallikrein-11	Q9UBX7	-0.073	0.126	0.564
Hepatocyte growth factor receptor	P08581	0.105	0.391	0.788

Secreted frizzled-related protein 3	Q92765	0.144	0.254	0.571
Tyrosine-protein kinase receptor Tie-1, soluble	P35590	-0.389	0.458	0.395
Ubiquitin+1, truncated mutation for UbB	P62979	0.554	0.415	0.182
C5a anaphylatoxin	P01031	-0.522	0.258	0.043
Mitogen-activated protein kinase 3	P27361	0.524	0.655	0.424
SUMO-conjugating enzyme UBC9	P63279	-0.267	0.614	0.664
Complement component C7	P10643	-0.037	0.307	0.905
C-C motif chemokine 14	Q16627	0.418	0.166	0.012
C-C motif chemokine 23	P55773	-0.895	0.436	0.040
Neuroblastoma suppressor of tumorigenicity 1	P41271	0.148	0.222	0.505
Complement factor D	P00746	-0.877	0.474	0.064
Growth hormone receptor	P10912	0.655	0.331	0.048
Luteinizing hormone	P01215, P01229	-0.012	0.158	0.940
Vitamin K-dependent protein C	P04070	-0.963	0.559	0.085
Stem Cell Growth Factor-beta	Q9Y240	-0.585	0.415	0.159
Tumor necrosis factor ligand superfamily member	O95150	0.214	0.239	0.371
Amphiregulin	P15514	1.049	0.679	0.122
Tyrosine-protein phosphatase non-receptor type 1	P18031	-0.045	0.430	0.916
Sialic acid-binding Ig-like lectin 9	Q9Y336	-0.005	0.012	0.683
Ck-beta-8-1	P55773	-1.255	0.695	0.071
CD209 antigen	Q9NNX6	0.033	0.298	0.912
Follicle stimulating hormone	P01215, P01225	0.050	0.184	0.785
C-X-C motif chemokine 11	O14625	0.226	0.221	0.306
C-C motif chemokine 18	P55774	-0.133	0.174	0.445
Haptoglobin	P00738	0.025	0.022	0.259
Cathepsin B	P07858	0.265	0.265	0.317
Galectin-3	P17931	0.021	0.258	0.936
Lipopolysaccharide-binding protein	P18428	0.097	0.147	0.508
Alpha-L-iduronidase	P35475	0.018	0.217	0.934
Arylsulfatase B	P15848	0.080	0.194	0.680
N-acylethanolamine-hydrolyzing acid amidase	Q02083	-0.098	0.101	0.330
A disintegrin and metalloproteinase with thrombo	Q76LX8	-0.286	0.358	0.424
Carbonic anhydrase 4	P22748	-0.049	0.378	0.897
Lysosomal protective protein	P10619	0.641	0.423	0.129
Coagulation factor VII	P08709	-0.041	0.137	0.763
Platelet glycoprotein VI	Q9HCN6	-0.124	0.183	0.499
Granulysin	P22749	0.133	0.078	0.090
Hyaluronan and proteoglycan link protein 1	P10915	0.076	0.075	0.311
Nidogen-1	P14543	-1.788	0.709	0.012
Polymeric immunoglobulin receptor	P01833	0.133	0.135	0.324
Tartrate-resistant acid phosphatase type 5	P13686	-0.167	0.304	0.584
WAP, Kazal, immunoglobulin, Kunitz and NTR d	Q8TEU8	-0.078	0.109	0.473
CD109 antigen	Q6YHK3	-0.234	0.584	0.688
Low affinity immunoglobulin epsilon Fc receptor	P06734	-0.001	0.125	0.993
CD5 antigen-like	O43866	0.168	0.193	0.383

Contactin-2	Q02246	0.372	0.209	0.075
Contactin-4	Q8IWV2	0.065	0.544	0.904
Cystatin-M	Q15828	0.021	0.128	0.868
Low affinity immunoglobulin gamma Fc region re	O75015	-1.106	0.587	0.060
High affinity immunoglobulin gamma Fc receptor	P12314	1.070	0.432	0.013
GDNF family receptor alpha-1	P56159	-0.370	0.623	0.552
Heparin cofactor 2	P05546	-0.104	0.520	0.842
Leucine-rich repeats and immunoglobulin-like dor	Q6UXM1	-1.494	0.719	0.038
Thrombospondin-2	P35442	-0.542	0.554	0.328
Thrombospondin-4	P35443	-0.434	0.359	0.226
Dickkopf-related protein 4	Q9UBT3	0.115	0.368	0.755
Extracellular matrix protein 1	Q16610	1.245	0.664	0.061
Renin	P00797	0.241	0.296	0.414
Tyrosine-protein phosphatase non-receptor type 1	Q06124	-0.069	0.436	0.874
Ubiquitin-fold modifier-conjugating enzyme 1	Q9Y3C8	0.793	0.594	0.182
Calcium/calmodulin-dependent protein kinase typ	Q8IU85	1.650	0.912	0.070
Tumor necrosis factor ligand superfamily member	P32971	0.056	0.463	0.904
Ephrin type-A receptor 1	P21709	-0.043	0.181	0.811
Fibronectin Fragment 4	P02751	0.290	0.824	0.725
Follistatin-related protein 3	O95633	0.041	0.569	0.943
Kallikrein-6	Q92876	-0.034	0.327	0.916
Periostin	Q15063	0.375	0.186	0.043
Platelet-derived growth factor receptor beta	P09619	-0.045	0.064	0.480
E-selectin	P16581	-0.182	0.145	0.210
C-C motif chemokine 22	O00626	-0.055	0.350	0.874
C-C motif chemokine 15	Q16663	0.440	0.195	0.024
Arylsulfatase A	P15289	-0.294	0.275	0.285
Calcium/calmodulin-dependent protein kinase typ	Q14012	-0.661	0.570	0.246
C-type lectin domain family 7 member A	Q9BXN2	0.007	0.170	0.969
Dipeptidyl peptidase 2	Q9UHL4	0.509	0.294	0.083
Endothelin-converting enzyme 1	P42892	-0.217	0.232	0.352
Hepatocyte growth factor activator	Q04756	-0.078	0.082	0.338
Lymphocyte antigen 86	O95711	0.452	0.346	0.191
Nidogen-2	Q14112	0.263	0.440	0.550
Oxidized low-density lipoprotein receptor 1	P78380	-0.106	0.308	0.731
Tyrosine-protein kinase Tec	P42680	-0.706	0.532	0.185
Cation-independent mannose-6-phosphate recepto	P11717	0.263	0.253	0.299
Peptide YY	P10082	0.072	0.403	0.859
Tumor necrosis factor receptor superfamily memb	P43489	0.613	0.571	0.282
Angiopoietin-related protein 4	Q9BY76	-1.014	0.815	0.213
Carbonic anhydrase 3	P07451	0.217	0.126	0.086
Endothelial cell-specific molecule 1	Q9NQ30	0.202	0.416	0.627
MAP kinase-activated protein kinase 3	Q16644	-0.184	0.523	0.726
Serine/threonine-protein kinase PAK 6	Q9NQU5	0.433	0.474	0.362
Translationally-controlled tumor protein	P13693	-0.248	0.572	0.664

Importin subunit beta-1	Q14974	0.894	0.539	0.097
N-acetyl-D-glucosamine kinase	Q9UJ70	-0.946	0.420	0.024
S-phase kinase-associated protein 1	P63208	-0.097	0.933	0.917
Interleukin-6 receptor subunit alpha	P08887	-0.201	0.122	0.098
Plasminogen	P00747	0.338	0.405	0.404
Tenascin	P24821	-0.069	0.089	0.439
72 kDa type IV collagenase	P08253	-0.328	0.532	0.538
14-3-3 protein family	P31946, P62258, P	0.576	0.372	0.122
6-phosphogluconate dehydrogenase, decarboxylat	P52209	-0.688	0.256	0.007
Alcohol dehydrogenase [NADP(+)]	P14550	0.182	0.143	0.203
Insulin-like growth factor 1 receptor	P08069	0.882	0.623	0.157
Interleukin-1 receptor-like 1	Q01638	0.021	0.044	0.635
Prefoldin subunit 5	Q99471	-0.357	0.726	0.623
Spondin-1	Q9HCB6	-0.153	0.496	0.757
C-reactive protein	P02741	-0.187	0.121	0.122
Intercellular adhesion molecule 1	P05362	-0.084	0.077	0.280
Growth/differentiation factor 15	Q99988	0.243	0.282	0.389
Interferon lambda-2	Q8IZJ0	-0.252	0.516	0.625
Hepatocyte growth factor-like protein	P26927	-0.248	0.051	9.75E-07
Disintegrin and metalloproteinase domain-contain	O43184	0.559	0.808	0.489
Collectin-11	Q9BWP8	0.118	0.080	0.140
Ectonucleoside triphosphate diphosphohydrolase	O75355	0.483	0.607	0.426
Proprotein convertase subtilisin/kexin type 7	Q16549	0.342	0.173	0.048
SPARC-like protein 1	Q14515	0.910	0.763	0.233
Plasma protease C1 inhibitor	P05155	-0.737	0.273	0.007
Fibroblast growth factor 7	P21781	-0.328	0.574	0.568
Kininogen-1	P01042	-0.765	0.617	0.215
Stem cell growth factor-alpha	Q9Y240	-0.568	0.404	0.159
ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase	Q10588	0.094	0.095	0.320
Cell adhesion molecule-related/down-regulated by	Q4KMG0	0.442	0.279	0.113
Clusterin	P10909	-0.440	0.815	0.589
Alpha-(1,3)-fucosyltransferase 5	Q11128	0.028	0.145	0.847
Kin of IRRE-like protein 3	Q8IZU9	0.623	0.539	0.247
Pancreatic hormone	P01298	0.193	0.562	0.732
Lymphotoxin-alpha	P01374	-0.939	0.758	0.215
Trefoil factor 3	Q07654	0.519	0.555	0.350
Acid sphingomyelinase-like phosphodiesterase 3a	Q92484	0.065	0.116	0.574
Gelsolin	P06396	0.578	0.657	0.378
Thioredoxin domain-containing protein 12	O95881	0.064	0.316	0.840
L-Selectin	P14151	0.122	0.248	0.624
Ephrin type-A receptor 2	P29317	1.047	0.678	0.123
Granulocyte colony-stimulating factor	P09919	0.694	0.706	0.326
BDNF/NT-3 growth factors receptor	Q16620	0.735	0.520	0.157
Angiogenin	P03950	1.017	0.590	0.085
Coactosin-like protein	Q14019	-0.681	0.766	0.374

Coagulation Factor V	P12259	-0.185	0.258	0.472
Galectin-8	O00214	0.198	0.572	0.729
Glutathione S-transferase P	P09211	-0.049	0.130	0.703
C-C motif chemokine 16	O15467	0.170	0.121	0.160
Hemoglobin	P69905, P68871	-0.003	0.052	0.948
Lysozyme C	P61626	0.320	0.170	0.059
Sex hormone-binding globulin	P04278	-0.356	0.220	0.105
40S ribosomal protein SA	P08865	-2.679	1.130	0.018
Cerebral dopamine neurotrophic factor	Q49AH0	0.251	0.357	0.482
Endoplasmic reticulum aminopeptidase 1	Q9NZ08	0.044	0.065	0.501
Complement component 1 Q subcomponent-bindi	Q07021	0.412	0.726	0.571
Macrophage-capping protein	P40121	-0.127	0.410	0.757
Adapter molecule crk	P46108	0.738	0.552	0.182
S-formylglutathione hydrolase	P10768	0.016	0.111	0.884
Fibrinogen gamma chain	P02679	0.071	0.215	0.743
Mammaglobin-B	O75556	3.231	1.185	0.006
Adenylate kinase isoenzyme 1	P00568	-0.041	0.580	0.944
Platelet-activating factor acetylhydrolase	Q13093	0.045	0.131	0.732
Phosphoglycerate kinase 1	P00558	-1.136	0.735	0.122
Tumor necrosis factor-inducible gene 6 protein	P98066	-0.270	0.276	0.327
Programmed cell death 1 ligand 1	Q9NZQ7	0.161	0.283	0.569
Cytotoxic and regulatory T-cell molecule	O95727	-0.185	0.755	0.806
Interleukin-17 receptor B	Q9NRM6	0.153	0.320	0.632
Leukocyte immunoglobulin-like receptor subfamil	Q8N423	-0.269	0.243	0.268
Protein jagged-1	P78504	0.149	0.552	0.788
Scavenger receptor class F member 1	Q14162	-0.062	0.285	0.827
Hepatitis A virus cellular receptor 2	Q8TDQ0	-0.201	0.215	0.351
Apolipoprotein E (isoform E2)	P02649	1.074	0.695	0.122
Caspase-10	Q92851	0.227	0.353	0.521
Carboxypeptidase E	P16870	-0.320	0.528	0.545
Cytoskeleton-associated protein 2	Q8WWK9	-0.540	0.350	0.122
Delta-like protein 1	O00548	-0.339	0.514	0.509
Glypican-6	Q9Y625	-0.072	0.572	0.900
Keratin, type I cytoskeletal 18	P05783	0.079	0.179	0.659
Semaphorin-3E	O15041	-0.085	0.073	0.242
Leptin receptor	P48357	0.030	0.074	0.689
Collectin-12	Q5KU26	-0.307	0.706	0.664
Growth factor receptor-bound protein 2	P62993	0.070	0.579	0.904
Heat shock protein HSP 90-beta	P08238	-0.413	0.659	0.531
Interleukin-17 receptor C	Q8NAC3	1.341	0.941	0.154
Intercellular adhesion molecule 2	P13598	1.367	0.907	0.132
SLAM family member 7	Q9NQ25	0.064	0.133	0.629
Testican-2	Q92563	-0.065	0.268	0.809
Neuropilin-1	O14786	-1.025	0.582	0.078
14-3-3 protein zeta/delta	P63104	0.690	0.446	0.122

Fructose-bisphosphate aldolase A	P04075	-0.233	0.537	0.664
Proteasome activator complex subunit 1	Q06323	-0.374	0.242	0.122
Netrin-1	O95631	0.290	0.389	0.455
R-spondin-4	Q2I0M5	-0.194	0.601	0.748
Cathepsin H	P09668	-0.012	0.106	0.911
Tyrosine-protein kinase transmembrane receptor I	Q01973	-0.057	0.670	0.932
Stromelysin-2	P09238	0.341	0.350	0.330
Small ubiquitin-related modifier 3	P55854	0.631	0.472	0.182
Neutrophil collagenase	P22894	0.020	0.128	0.875
Protein FAM3B	P58499	-0.041	0.072	0.570
Interferon alpha/beta receptor 1	P17181	-0.302	0.214	0.158
Galectin-9	O00182	-0.508	0.594	0.393
Ubiquitin-conjugating enzyme E2 G2	P60604	-1.238	0.801	0.122
Interleukin-10 receptor subunit alpha	Q13651	-0.672	0.960	0.484
HemK methyltransferase family member 2	Q9Y5N5	0.432	0.285	0.130
Regenerating islet-derived protein 4	Q9BYZ8	-0.178	0.380	0.640
Chitinase-3-like protein 1	P36222	0.029	0.077	0.700
Osteopontin	P10451	0.454	0.467	0.331
Protein Z-dependent protease inhibitor	Q9UK55	0.382	0.736	0.604
Vitronectin	P04004	0.047	0.032	0.145
Desmocollin-2	Q02487	-0.259	0.701	0.712
Hexokinase-1	P19367	-0.197	0.168	0.239
Protein S100-A4	P26447	0.236	0.340	0.488
E3 ubiquitin-protein ligase RNF43	Q68DV7	-0.890	0.765	0.245
Interleukin-1 receptor type 2	P27930	0.541	0.399	0.175
Amphoterin-induced protein 2	Q86SJ2	0.342	0.476	0.473
Complement component C1q receptor	Q9NPY3	0.111	0.689	0.872
Neuregulin-4	Q8WWG1	0.097	0.163	0.552
Ubiquitin-like protein ISG15	P05161	-0.225	0.520	0.666
Coagulation Factor XI	P03951	-0.038	0.321	0.905
Fibroblast growth factor 8 isoform B	P55075	-0.182	0.575	0.751
Mast/stem cell growth factor receptor Kit	P10721	0.147	0.507	0.772
Cadherin-1	P12830	0.764	0.623	0.220
C-C motif chemokine 21	O00585	-0.051	0.442	0.907
Insulin-like growth factor-binding protein 3	P17936	-0.088	0.404	0.828
C-C motif chemokine 2	P13500	0.091	0.437	0.836
Matrix metalloproteinase-9	P14780	0.188	0.354	0.595
Receptor tyrosine-protein kinase erbB-4	Q15303	0.315	0.453	0.487
Heat shock protein HSP 90-alpha/beta	P07900 P08238	-0.831	0.557	0.136
Interleukin-1 Receptor accessory protein	Q9NPH3	0.040	0.105	0.705
Interleukin-10 receptor subunit beta	Q08334	0.499	0.621	0.422
Layilin	Q6UX15	0.135	0.173	0.434
Tumor necrosis factor receptor superfamily memb	P36941	-0.777	0.839	0.355
Epidermal growth factor receptor	P00533	0.606	0.415	0.144
Hepatocyte growth factor	P14210	0.379	0.433	0.381

Melanoma-derived growth regulatory protein	Q16674	-0.068	0.392	0.863
Platelet factor 4	P02776	-0.206	0.525	0.694
Endothelial monocyte-activating polypeptide 2	Q12904	-0.390	0.335	0.245
NADPH--cytochrome P450 reductase	P16435	0.921	0.502	0.067
Sialic acid-binding Ig-like lectin 7	Q9Y286	-0.119	0.138	0.388
NKG2D ligand 3	Q9BZM4	-0.109	0.342	0.751
Fibroblast growth factor 19	O95750	0.143	0.252	0.571
Hemopexin	P02790	0.086	0.082	0.293
Interleukin-16	Q14005	-0.273	0.381	0.474
Interleukin-22	Q9GZX6	-0.129	0.256	0.615
Superoxide dismutase [Cu-Zn]	P00441	1.029	0.885	0.245
Agouti-related protein	O00253	-0.253	0.418	0.544
Kunitz-type protease inhibitor 1	O43278	0.005	0.705	0.995
Kallikrein-11	Q9UBX7	-0.125	0.113	0.267
Hepatocyte growth factor receptor	P08581	0.566	0.429	0.187
Secreted frizzled-related protein 3	Q92765	-0.049	0.281	0.862
Tyrosine-protein kinase receptor Tie-1, soluble	P35590	-0.281	0.494	0.569
Ubiquitin+1, truncated mutation for UbB	P62979	-0.338	0.456	0.459
C5a anaphylatoxin	P01031	-0.078	0.278	0.780
Mitogen-activated protein kinase 3	P27361	1.299	0.625	0.038
SUMO-conjugating enzyme UBC9	P63279	0.144	0.674	0.830
Complement component C7	P10643	-0.171	0.326	0.600
C-C motif chemokine 14	Q16627	0.089	0.168	0.597
C-C motif chemokine 23	P55773	0.143	0.453	0.751
Neuroblastoma suppressor of tumorigenicity 1	P41271	0.012	0.237	0.958
Complement factor D	P00746	0.548	0.442	0.215
Growth hormone receptor	P10912	0.681	0.359	0.058
Luteinizing hormone	P01215, P01229	0.055	0.155	0.724
Vitamin K-dependent protein C	P04070	0.088	0.586	0.881
Stem Cell Growth Factor-beta	Q9Y240	0.379	0.570	0.506
Tumor necrosis factor ligand superfamily member	O95150	0.000	0.264	1.000
Amphiregulin	P15514	0.882	0.759	0.245
Bone morphogenetic protein 7	P18075	-1.039	0.746	0.164
Tyrosine-protein phosphatase non-receptor type 1	P18031	0.368	0.455	0.419
Sialic acid-binding Ig-like lectin 9	Q9Y336	-0.006	0.013	0.631
Ck-beta-8-1	P55773	1.086	0.704	0.123
CD209 antigen	Q9NNX6	-0.527	0.305	0.084
Follicle stimulating hormone	P01215, P01225	-0.100	0.156	0.522
C-X-C motif chemokine 11	O14625	0.404	0.231	0.081
Myoglobin	P02144	-0.420	0.230	0.068
C-C motif chemokine 18	P55774	0.033	0.161	0.837
Haptoglobin	P00738	0.018	0.024	0.461
Cathepsin B	P07858	-0.250	0.287	0.385
Galectin-3	P17931	-0.199	0.279	0.476
Lipopolysaccharide-binding protein	P18428	-0.272	0.155	0.079

Alpha-L-iduronidase	P35475	0.085	0.217	0.696
Arylsulfatase B	P15848	-0.320	0.213	0.133
N-acylethanolamine-hydrolyzing acid amidase	Q02083	0.145	0.111	0.193
A disintegrin and metalloproteinase with thrombo	Q76LX8	-0.004	0.341	0.991
Carbonic anhydrase 4	P22748	-0.194	0.336	0.564
Lysosomal protective protein	P10619	0.181	0.466	0.697
Ectonucleoside triphosphate diphosphohydrolase	P49961	-1.059	0.526	0.044
Coagulation factor VII	P08709	-0.232	0.145	0.108
Platelet glycoprotein VI	Q9HCN6	0.160	0.205	0.435
Granulysin	P22749	0.023	0.086	0.786
Hyaluronan and proteoglycan link protein 1	P10915	0.126	0.088	0.153
Nidogen-1	P14543	0.441	0.729	0.545
Polymeric immunoglobulin receptor	P01833	-0.017	0.146	0.905
Proto-oncogene tyrosine-protein kinase receptor 1	P07949	-0.158	0.546	0.772
Tartrate-resistant acid phosphatase type 5	P13686	0.286	0.319	0.370
WAP, Kazal, immunoglobulin, Kunitz and NTR d	Q8TEU8	-0.019	0.117	0.868
CD109 antigen	Q6YHK3	-0.588	0.639	0.357
Low affinity immunoglobulin epsilon Fc receptor	P06734	0.090	0.120	0.457
CD5 antigen-like	O43866	0.154	0.194	0.428
Contactin-2	Q02246	-0.043	0.228	0.849
Contactin-4	Q8IWV2	-0.189	0.567	0.739
Cystatin-M	Q15828	0.276	0.135	0.041
Low affinity immunoglobulin gamma Fc region re	O75015	1.150	0.575	0.045
High affinity immunoglobulin gamma Fc receptor	P12314	0.554	0.459	0.228
GDNF family receptor alpha-1	P56159	0.685	0.645	0.288
Heparin cofactor 2	P05546	-0.204	0.425	0.631
Leucine-rich repeats and immunoglobulin-like dor	Q6UXM1	-0.953	0.761	0.210
Thrombospondin-2	P35442	-0.333	0.602	0.580
Thrombospondin-4	P35443	0.093	0.386	0.809
Dickkopf-related protein 4	Q9UBT3	-0.023	0.396	0.954
Extracellular matrix protein 1	Q16610	0.373	0.727	0.608
Kallikrein-7	P49862	0.028	0.186	0.880
Renin	P00797	-0.002	0.319	0.995
Tyrosine-protein phosphatase non-receptor type 1	Q06124	0.043	0.456	0.924
Tryptase beta-2	P20231	-0.062	0.045	0.165
Ubiquitin-fold modifier-conjugating enzyme 1	Q9Y3C8	-0.484	0.653	0.459
Tyrosine-protein kinase BTK	Q06187	-0.050	0.343	0.885
Calcium/calmodulin-dependent protein kinase typ	Q8IU85	1.704	1.004	0.090
Tumor necrosis factor ligand superfamily member	P32971	-0.243	0.492	0.622
Ephrin type-A receptor 1	P21709	-0.121	0.208	0.561
Fibronectin Fragment 4	P02751	0.464	0.820	0.571
Follistatin-related protein 3	O95633	-0.563	0.511	0.271
Kallikrein-6	Q92876	0.279	0.346	0.419
Periostin	Q15063	0.134	0.217	0.535
Platelet-derived growth factor receptor beta	P09619	0.090	0.068	0.182

Brevican core protein	Q96GW7	-0.193	0.363	0.595
C-C motif chemokine 22	O00626	0.310	0.381	0.417
C-C motif chemokine 15	Q16663	0.088	0.211	0.675
Arylsulfatase A	P15289	0.048	0.297	0.871
Calcium/calmodulin-dependent protein kinase typ	Q14012	-0.223	0.627	0.722
C-type lectin domain family 7 member A	Q9BXN2	-0.035	0.176	0.844
Dipeptidyl peptidase 2	Q9UHL4	0.141	0.306	0.646
Endothelin-converting enzyme 1	P42892	0.421	0.242	0.082
Hepatocyte growth factor activator	Q04756	-0.016	0.085	0.848
Lymphocyte antigen 86	O95711	0.879	0.383	0.022
Nidogen-2	Q14112	0.291	0.486	0.549
Oxidized low-density lipoprotein receptor 1	P78380	-0.266	0.344	0.440
Tyrosine-protein kinase Tec	P42680	0.369	0.567	0.516
Complement factor H-related protein 5	Q9BXR6	-0.191	0.295	0.518
Cation-independent mannose-6-phosphate recepto	P11717	-0.196	0.281	0.486
Peptide YY	P10082	0.809	0.443	0.068
Tumor necrosis factor receptor superfamily memb	P43489	0.065	0.601	0.914
Angiopoietin-related protein 4	Q9BY76	-0.785	0.862	0.363
Carbonic anhydrase 3	P07451	-0.129	0.131	0.324
Endothelial cell-specific molecule 1	Q9NQ30	-0.997	0.463	0.031
Tyrosine-protein kinase Fyn	P06241	1.518	1.216	0.212
MAP kinase-activated protein kinase 3	Q16644	-0.007	0.554	0.990
Serine/threonine-protein kinase PAK 6	Q9NQU5	0.861	0.508	0.090
Translationally-controlled tumor protein	P13693	0.134	0.627	0.830
Importin subunit beta-1	Q14974	-0.602	0.594	0.311
N-acetyl-D-glucosamine kinase	Q9UJ70	0.277	0.458	0.545
S-phase kinase-associated protein 1	P63208	-0.560	0.967	0.563
Interleukin-6 receptor subunit alpha	P08887	-0.030	0.134	0.821
Plasminogen	P00747	0.439	0.441	0.320
Tenascin	P24821	-0.063	0.096	0.510
72 kDa type IV collagenase	P08253	0.225	0.588	0.702
14-3-3 protein family	P31946, P62258, P	0.484	0.416	0.245
6-phosphogluconate dehydrogenase, decarboxylat	P52209	-0.099	0.272	0.716
Alcohol dehydrogenase [NADP(+)]	P14550	-0.326	0.162	0.043
Cofilin-1	P23528	0.443	0.653	0.498
Insulin-like growth factor 1 receptor	P08069	-0.778	0.570	0.172
Interleukin-1 receptor-like 1	Q01638	-0.088	0.048	0.067
Prefoldin subunit 5	Q99471	0.378	0.591	0.522
Spondin-1	Q9HCB6	0.139	0.587	0.813
C-reactive protein	P02741	-0.157	0.135	0.245
Intercellular adhesion molecule 1	P05362	-0.077	0.085	0.368
Growth/differentiation factor 15	Q99988	0.436	0.291	0.134
Interferon lambda-2	Q8IZJ0	-0.180	0.566	0.751
Hepatocyte growth factor-like protein	P26927	-0.052	0.057	0.364
Disintegrin and metalloproteinase domain-contain	O43184	-0.273	0.893	0.760

Collectin-11	Q9BWP8	0.050	0.075	0.504
Ectonucleoside triphosphate diphosphohydrolase	O75355	-0.116	0.632	0.855
Proprotein convertase subtilisin/kexin type 7	Q16549	-0.123	0.191	0.520
SPARC-like protein 1	Q14515	0.078	0.851	0.927
Plasma protease C1 inhibitor	P05155	-0.484	0.302	0.109
Fibroblast growth factor 7	P21781	0.715	0.621	0.250
Kininogen-1	P01042	-0.116	0.686	0.866
Stem cell growth factor-alpha	Q9Y240	0.369	0.554	0.506
ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase	Q10588	0.012	0.104	0.906
Cell adhesion molecule-related/down-regulated by	Q4KMG0	-0.261	0.300	0.384
Clusterin	P10909	0.361	0.881	0.682
Alpha-(1,3)-fucosyltransferase 5	Q11128	0.300	0.145	0.038
Kin of IRRE-like protein 3	Q8IZU9	-0.628	0.583	0.281
Plexin-C1	O60486	-0.229	0.440	0.603
Pancreatic hormone	P01298	0.442	0.564	0.434
Lymphotoxin-alpha	P01374	-0.142	0.843	0.866
Trefoil factor 3	Q07654	-1.515	0.600	0.012
Acid sphingomyelinase-like phosphodiesterase 3a	Q92484	-0.021	0.128	0.869
Gelsolin	P06396	-0.438	0.687	0.524
Thioredoxin domain-containing protein 12	O95881	-0.198	0.349	0.570
L-Selectin	P14151	-0.038	0.271	0.887
Ephrin type-A receptor 2	P29317	0.123	0.751	0.870
Granulocyte colony-stimulating factor	P09919	0.872	0.712	0.220
BDNF/NT-3 growth factors receptor	Q16620	-0.649	0.475	0.172
Angiogenin	P03950	0.324	0.553	0.558
Coactosin-like protein	Q14019	0.521	0.787	0.508
Coagulation Factor V	P12259	-0.195	0.279	0.485
Galectin-8	O00214	0.690	0.443	0.119
Glutathione S-transferase P	P09211	-0.266	0.142	0.062
C-C motif chemokine 16	O15467	-0.110	0.127	0.386
Hemoglobin	P69905, P68871	0.066	0.056	0.237
Lysozyme C	P61626	0.243	0.186	0.191
Sex hormone-binding globulin	P04278	0.228	0.235	0.332
40S ribosomal protein SA	P08865	-0.935	1.065	0.380
Cerebral dopamine neurotrophic factor	Q49AH0	0.271	0.366	0.459
Endoplasmic reticulum aminopeptidase 1	Q9NZ08	0.001	0.071	0.987
Complement component 1 Q subcomponent-bindi	Q07021	-0.140	0.802	0.862
Macrophage-capping protein	P40121	0.187	0.449	0.677
Cathepsin Z	Q9UBR2	-1.132	0.813	0.164
Adapter molecule crk	P46108	-0.450	0.608	0.459
S-formylglutathione hydrolase	P10768	-0.132	0.120	0.273
Fibrinogen gamma chain	P02679	-0.154	0.232	0.508
Granulins	P28799	-1.396	0.694	0.044
Mammaglobin-B	O75556	-1.151	0.947	0.224
Adenylate kinase isoenzyme 1	P00568	-0.278	0.516	0.590

Platelet-activating factor acetylhydrolase	Q13093	0.018	0.141	0.900
Phosphoglycerate kinase 1	P00558	-0.955	0.822	0.245
Tumor necrosis factor-inducible gene 6 protein	P98066	0.306	0.300	0.308
Programmed cell death 1 ligand 1	Q9NZQ7	0.014	0.308	0.963
Cytotoxic and regulatory T-cell molecule	O95727	-0.647	0.782	0.408
Interleukin-17 receptor B	Q9NRM6	-0.058	0.320	0.856
Leukocyte immunoglobulin-like receptor subfamil	Q8N423	-0.165	0.235	0.483
Protein jagged-1	P78504	0.799	0.606	0.187
Scavenger receptor class F member 1	Q14162	0.626	0.267	0.019
Interleukin-27 receptor subunit alpha	Q6UWB1	0.165	0.142	0.245
Hepatitis A virus cellular receptor 2	Q8TDQ0	0.278	0.231	0.228
AMP Kinase (alpha2beta2gamma1)	P54646 O43741 P5	0.168	0.699	0.810
Apolipoprotein E (isoform E2)	P02649	0.903	0.777	0.245
Caspase-10	Q92851	-0.482	0.395	0.222
Carboxypeptidase E	P16870	-0.089	0.584	0.879
Cytoskeleton-associated protein 2	Q8WWK9	-0.454	0.391	0.245
Delta-like protein 1	O00548	-0.392	0.560	0.484
Glypican-6	Q9Y625	1.034	0.640	0.106
Keratin, type I cytoskeletal 18	P05783	0.129	0.198	0.513
Semaphorin-3E	O15041	-0.004	0.076	0.954
Leptin receptor	P48357	-0.008	0.080	0.922
Collectin-12	Q5KU26	-0.952	0.750	0.204
Growth factor receptor-bound protein 2	P62993	-0.202	0.605	0.739
Heat shock protein HSP 90-beta	P08238	-0.859	0.576	0.136
Interleukin-17 receptor C	Q8NAC3	-0.651	0.907	0.473
Glutamate carboxypeptidase 2	Q04609	0.096	0.284	0.737
Intercellular adhesion molecule 2	P13598	0.435	1.014	0.668
SLAM family member 7	Q9NQ25	-0.083	0.130	0.523
Testican-2	Q92563	-0.333	0.292	0.253
Neuropilin-1	O14786	1.581	0.643	0.014
beta-nerve growth factor	P01138	-0.704	1.321	0.594
14-3-3 protein zeta/delta	P63104	0.580	0.499	0.245
Fructose-bisphosphate aldolase A	P04075	0.126	0.589	0.830
Proteasome activator complex subunit 1	Q06323	-0.315	0.271	0.245
Netrin-1	O95631	-0.361	0.414	0.384
Tropomyosin alpha-4 chain	P67936	0.127	0.621	0.838
R-spondin-4	Q2I0M5	-0.482	0.649	0.457
Cathepsin H	P09668	-0.135	0.095	0.152
Tyrosine-protein kinase transmembrane receptor I	Q01973	0.284	0.586	0.629
Stromelysin-2	P09238	-0.322	0.368	0.381
Small ubiquitin-related modifier 3	P55854	-0.385	0.520	0.459
Neutrophil collagenase	P22894	0.063	0.141	0.656
Protein FAM3B	P58499	0.034	0.077	0.661
Interferon alpha/beta receptor 1	P17181	-0.100	0.217	0.645
Galectin-9	O00182	-1.803	0.614	0.003

Ubiquitin-conjugating enzyme E2 G2	P60604	-1.041	0.895	0.245
Interleukin-10 receptor subunit alpha	Q13651	0.392	0.601	0.514
HemK methyltransferase family member 2	Q9Y5N5	-0.367	0.210	0.080
Regenerating islet-derived protein 4	Q9BYZ8	-0.247	0.243	0.309
Chitinase-3-like protein 1	P36222	0.062	0.048	0.201
Osteopontin	P10451	0.378	0.305	0.215
Protein Z-dependent protease inhibitor	Q9UK55	0.608	0.511	0.234
Vitronectin	P04004	-0.014	0.020	0.471
Desmocollin-2	Q02487	0.375	0.413	0.363
Hexokinase-1	P19367	-0.063	0.105	0.549
E3 ubiquitin-protein ligase RNF43	Q68DV7	-0.538	0.461	0.243
Interleukin-1 receptor type 2	P27930	-0.296	0.245	0.229
Amphoterin-induced protein 2	Q86SJ2	0.371	0.284	0.193
Complement component C1q receptor	Q9NPY3	-0.371	0.434	0.392
Neuregulin-4	Q8WWG1	0.241	0.103	0.020
Ubiquitin-like protein ISG15	P05161	0.319	0.383	0.404
Coagulation Factor XI	P03951	0.004	0.203	0.983
Mast/stem cell growth factor receptor Kit	P10721	0.204	0.324	0.529
C-C motif chemokine 21	O00585	0.151	0.283	0.592
Insulin-like growth factor-binding protein 3	P17936	0.205	0.260	0.432
C-C motif chemokine 2	P13500	-0.161	0.276	0.561
Matrix metalloproteinase-9	P14780	0.394	0.230	0.087
Receptor tyrosine-protein kinase erbB-4	Q15303	0.440	0.277	0.112
Interleukin-1 Receptor accessory protein	Q9NPH3	-0.021	0.067	0.752
Interleukin-10 receptor subunit beta	Q08334	-0.052	0.366	0.887
Layilin	Q6UX15	0.031	0.110	0.780
Tumor necrosis factor receptor superfamily memb	P36941	-0.161	0.526	0.759
Epidermal growth factor receptor	P00533	-0.344	0.265	0.195
Hepatocyte growth factor	P14210	0.073	0.277	0.792
Melanoma-derived growth regulatory protein	Q16674	-0.090	0.249	0.716
Endothelial monocyte-activating polypeptide 2	Q12904	-0.236	0.202	0.243
NADPH--cytochrome P450 reductase	P16435	-0.600	0.323	0.063
NKG2D ligand 3	Q9BZM4	0.155	0.217	0.474
Fibroblast growth factor 19	O95750	-0.389	0.198	0.049
Hemopexin	P02790	-0.054	0.051	0.296
Interleukin-16	Q14005	-0.319	0.232	0.169
Interleukin-22	Q9GZX6	0.328	0.168	0.051
Superoxide dismutase [Cu-Zn]	P00441	0.623	0.534	0.243
Agouti-related protein	O00253	-0.136	0.265	0.606
Kunitz-type protease inhibitor 1	O43278	0.000	0.462	1.000
Kallikrein-11	Q9UBX7	-0.029	0.090	0.747
Hepatocyte growth factor receptor	P08581	0.265	0.255	0.299
Secreted frizzled-related protein 3	Q92765	-0.094	0.179	0.600
Tyrosine-protein kinase receptor Tie-1, soluble	P35590	1.507	0.314	1.573262
Ubiquitin+1, truncated mutation for UbB	P62979	0.444	0.287	0.122

C5a anaphylatoxin	P01031	0.237	0.175	0.177
Mitogen-activated protein kinase 3	P27361	-0.325	0.415	0.434
SUMO-conjugating enzyme UBC9	P63279	-0.487	0.428	0.255
Complement component C7	P10643	0.212	0.216	0.328
C-C motif chemokine 14	Q16627	-0.188	0.113	0.098
C-C motif chemokine 23	P55773	0.356	0.301	0.237
Neuroblastoma suppressor of tumorigenicity 1	P41271	-0.293	0.152	0.054
Growth hormone receptor	P10912	-0.739	0.234	0.002
Vitamin K-dependent protein C	P04070	0.112	0.369	0.762
Tumor necrosis factor ligand superfamily member	O95150	-0.281	0.168	0.095
Amphiregulin	P15514	0.534	0.457	0.243
Tyrosine-protein phosphatase non-receptor type 1	P18031	-0.151	0.294	0.607
Sialic acid-binding Ig-like lectin 9	Q9Y336	-0.006	0.008	0.463
Ck-beta-8-1	P55773	-0.711	0.458	0.121
CD209 antigen	Q9NNX6	-0.127	0.198	0.522
Follicle stimulating hormone	P01215, P01225	0.238	0.112	0.033
C-X-C motif chemokine 11	O14625	0.135	0.152	0.372
C-C motif chemokine 18	P55774	-0.024	0.103	0.817
Haptoglobin	P00738	-0.005	0.015	0.750
Cathepsin B	P07858	-0.097	0.182	0.592
Galectin-3	P17931	-0.196	0.175	0.263
Lipopolysaccharide-binding protein	P18428	0.030	0.096	0.751
Alpha-L-iduronidase	P35475	-0.006	0.149	0.970
Arylsulfatase B	P15848	-0.070	0.133	0.598
N-acylethanolamine-hydrolyzing acid amidase	Q02083	-0.076	0.071	0.286
A disintegrin and metalloproteinase with thrombo	Q76LX8	-0.130	0.213	0.542
Carbonic anhydrase 4	P22748	0.591	0.198	0.003
Lysosomal protective protein	P10619	-0.032	0.296	0.915
Ectonucleoside triphosphate diphosphohydrolase	P49961	-0.313	0.451	0.488
Coagulation factor VII	P08709	-0.188	0.097	0.051
Platelet glycoprotein VI	Q9HCN6	-0.096	0.128	0.452
Granulysin	P22749	0.056	0.055	0.309
Nidogen-1	P14543	0.297	0.489	0.543
Polymeric immunoglobulin receptor	P01833	0.018	0.095	0.847
Tartrate-resistant acid phosphatase type 5	P13686	0.130	0.208	0.533
WAP, Kazal, immunoglobulin, Kunitz and NTR d	Q8TEU8	0.063	0.075	0.401
CD109 antigen	Q6YHK3	0.098	0.396	0.804
CD5 antigen-like	O43866	-0.032	0.127	0.798
Contactin-2	Q02246	0.041	0.144	0.776
Contactin-4	Q8IWV2	-0.125	0.307	0.684
Cystatin-M	Q15828	-0.052	0.087	0.553
Low affinity immunoglobulin gamma Fc region re	O75015	0.110	0.332	0.740
High affinity immunoglobulin gamma Fc receptor	P12314	-0.413	0.297	0.164
GDNF family receptor alpha-1	P56159	-0.664	0.424	0.117
Heparin cofactor 2	P05546	-0.185	0.291	0.525

Leucine-rich repeats and immunoglobulin-like dor	Q6UXM1	0.026	0.499	0.958
Thrombospondin-2	P35442	0.570	0.373	0.127
Thrombospondin-4	P35443	-0.349	0.245	0.155
Dickkopf-related protein 4	Q9UBT3	-0.079	0.253	0.754
Extracellular matrix protein 1	Q16610	-1.255	0.460	0.006
Renin	P00797	-0.390	0.203	0.055
Tyrosine-protein phosphatase non-receptor type 1	Q06124	-0.340	0.291	0.243
Ubiquitin-fold modifier-conjugating enzyme 1	Q9Y3C8	0.636	0.411	0.122
Tyrosine-protein kinase BTK	Q06187	0.077	0.237	0.746
Calcium/calmodulin-dependent protein kinase typ	Q8IU85	-0.434	0.629	0.491
Tumor necrosis factor ligand superfamily member	P32971	0.447	0.309	0.148
Ephrin type-A receptor 1	P21709	-0.008	0.119	0.945
Fibronectin Fragment 4	P02751	0.070	0.522	0.894
Kallikrein-6	Q92876	-0.115	0.223	0.607
Platelet-derived growth factor receptor beta	P09619	0.005	0.044	0.900
C-C motif chemokine 22	O00626	0.560	0.232	0.016
C-C motif chemokine 15	Q16663	-0.074	0.138	0.592
Arylsulfatase A	P15289	-0.304	0.220	0.166
Calcium/calmodulin-dependent protein kinase typ	Q14012	0.091	0.393	0.817
C-type lectin domain family 7 member A	Q9BXN2	-0.044	0.111	0.694
Dipeptidyl peptidase 2	Q9UHL4	0.086	0.203	0.674
Endothelin-converting enzyme 1	P42892	-0.320	0.154	0.038
Lymphocyte antigen 86	O95711	0.143	0.240	0.551
Nidogen-2	Q14112	1.000	0.354	0.005
Oxidized low-density lipoprotein receptor 1	P78380	0.013	0.209	0.950
Tyrosine-protein kinase Tec	P42680	0.731	0.359	0.042
Complement factor H-related protein 5	Q9BXR6	0.021	0.254	0.934
Cation-independent mannose-6-phosphate recepto	P11717	0.054	0.164	0.743
Peptide YY	P10082	0.074	0.286	0.795
Angiopoietin-related protein 4	Q9BY76	0.185	0.559	0.741
Carbonic anhydrase 3	P07451	0.047	0.085	0.582
Endothelial cell-specific molecule 1	Q9NQ30	0.460	0.292	0.115
Tyrosine-protein kinase Fyn	P06241	-0.215	0.774	0.781
MAP kinase-activated protein kinase 3	Q16644	0.448	0.364	0.218
Serine/threonine-protein kinase PAK 6	Q9NQU5	-0.046	0.287	0.872
Translationally-controlled tumor protein	P13693	-0.453	0.398	0.255
Importin subunit beta-1	Q14974	-0.531	0.368	0.148
N-acetyl-D-glucosamine kinase	Q9UJ70	0.076	0.292	0.795
S-phase kinase-associated protein 1	P63208	0.410	0.634	0.518
Interleukin-6 receptor subunit alpha	P08887	0.079	0.085	0.354
Plasminogen	P00747	-0.017	0.277	0.952
Tenascin	P24821	0.074	0.059	0.213
72 kDa type IV collagenase	P08253	-0.316	0.368	0.391
14-3-3 protein family	P31946, P62258, P	0.293	0.251	0.243
6-phosphogluconate dehydrogenase, decarboxylat	P52209	-0.052	0.166	0.753

Alcohol dehydrogenase [NADP(+)]	P14550	-0.148	0.092	0.110
Insulin-like growth factor 1 receptor	P08069	-0.464	0.401	0.246
Interleukin-1 receptor-like 1	Q01638	-0.006	0.030	0.855
Prefoldin subunit 5	Q99471	-0.005	0.392	0.991
C-reactive protein	P02741	-0.095	0.081	0.243
Intercellular adhesion molecule 1	P05362	0.016	0.054	0.765
Growth/differentiation factor 15	Q99988	0.194	0.215	0.368
Interferon lambda-2	Q8IZJ0	-0.252	0.359	0.483
Hepatocyte growth factor-like protein	P26927	-0.072	0.036	0.046
Disintegrin and metalloproteinase domain-contain	O43184	-0.401	0.559	0.473
Collectin-11	Q9BWP8	0.072	0.048	0.134
Ectonucleoside triphosphate diphosphohydrolase	O75355	-0.355	0.404	0.380
Proprotein convertase subtilisin/kexin type 7	Q16549	0.009	0.120	0.941
SPARC-like protein 1	Q14515	0.132	0.523	0.801
Plasma protease C1 inhibitor	P05155	0.438	0.191	0.022
Fibroblast growth factor 7	P21781	-0.242	0.395	0.539
Kininogen-1	P01042	0.214	0.426	0.615
ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase	Q10588	0.091	0.066	0.164
Cell adhesion molecule-related/down-regulated by	Q4KMG0	0.005	0.185	0.977
Clusterin	P10909	0.374	0.586	0.523
Alpha-(1,3)-fucosyltransferase 5	Q11128	0.126	0.122	0.303
Kin of IRRE-like protein 3	Q8IZU9	-0.136	0.326	0.678
Pancreatic hormone	P01298	0.017	0.358	0.963
Lymphotoxin-alpha	P01374	0.263	0.523	0.615
Trefoil factor 3	Q07654	-0.300	0.391	0.443
Acid sphingomyelinase-like phosphodiesterase 3a	Q92484	0.069	0.080	0.387
Gelsolin	P06396	0.566	0.496	0.254
Thioredoxin domain-containing protein 12	O95881	-0.421	0.213	0.048
L-Selectin	P14151	-0.098	0.171	0.569
Ephrin type-A receptor 2	P29317	-0.997	0.473	0.035
Granulocyte colony-stimulating factor	P09919	0.360	0.399	0.366
BDNF/NT-3 growth factors receptor	Q16620	-0.387	0.334	0.246
Angiogenin	P03950	-0.332	0.364	0.361
Coactosin-like protein	Q14019	-0.261	0.513	0.610
Coagulation Factor V	P12259	-0.076	0.202	0.707
Galectin-8	O00214	-0.446	0.338	0.188
Glutathione S-transferase P	P09211	0.011	0.089	0.902
C-C motif chemokine 16	O15467	-0.098	0.094	0.299
Hemoglobin	P69905, P68871	-0.069	0.036	0.053
Lysozyme C	P61626	-0.177	0.116	0.128
Sex hormone-binding globulin	P04278	0.014	0.149	0.926
40S ribosomal protein SA	P08865	-0.907	0.961	0.345
Cerebral dopamine neurotrophic factor	Q49AH0	-0.164	0.243	0.501
Endoplasmic reticulum aminopeptidase 1	Q9NZ08	0.008	0.045	0.855
Complement component 1 Q subcomponent-bindi	Q07021	-0.269	0.513	0.600

Macrophage-capping protein	P40121	0.341	0.284	0.229
Adapter molecule crk	P46108	0.592	0.383	0.122
S-formylglutathione hydrolase	P10768	-0.014	0.078	0.854
Fibrinogen gamma chain	P02679	0.149	0.149	0.317
Granulins	P28799	-0.412	0.595	0.488
Mammaglobin-B	O75556	0.665	0.591	0.260
Adenylate kinase isoenzyme 1	P00568	-0.205	0.314	0.514
Platelet-activating factor acetylhydrolase	Q13093	0.034	0.090	0.707
Phosphoglycerate kinase 1	P00558	-0.578	0.495	0.243
Tumor necrosis factor-inducible gene 6 protein	P98066	0.223	0.186	0.229
Programmed cell death 1 ligand 1	Q9NZQ7	-0.048	0.192	0.804
Cytotoxic and regulatory T-cell molecule	O95727	-0.629	0.511	0.219
Interleukin-17 receptor B	Q9NRM6	-0.242	0.196	0.216
Leukocyte immunoglobulin-like receptor subfamil	Q8N423	0.116	0.146	0.426
Protein jagged-1	P78504	0.375	0.361	0.299
Scavenger receptor class F member 1	Q14162	-0.333	0.194	0.086
Interleukin-27 receptor subunit alpha	Q6UWB1	-0.099	0.100	0.324
Hepatitis A virus cellular receptor 2	Q8TDQ0	0.168	0.149	0.258
Apolipoprotein E (isoform E2)	P02649	0.546	0.468	0.243
Caspase-10	Q92851	0.017	0.244	0.943
Carboxypeptidase E	P16870	-0.253	0.368	0.492
Cytoskeleton-associated protein 2	Q8WWK9	-0.275	0.236	0.243
Delta-like protein 1	O00548	0.140	0.360	0.698
Glypican-6	Q9Y625	0.062	0.387	0.873
Keratin, type I cytoskeletal 18	P05783	-0.303	0.123	0.014
Semaphorin-3E	O15041	-0.008	0.048	0.866
Leptin receptor	P48357	-0.035	0.052	0.505
Collectin-12	Q5KU26	-0.048	0.483	0.920
Growth factor receptor-bound protein 2	P62993	-0.133	0.327	0.684
Glutamate carboxypeptidase 2	Q04609	0.135	0.193	0.485
Intercellular adhesion molecule 2	P13598	-0.775	0.630	0.219
SLAM family member 7	Q9NQ25	-0.004	0.082	0.961
Testican-2	Q92563	0.362	0.185	0.050
Neuropilin-1	O14786	0.369	0.404	0.361
14-3-3 protein zeta/delta	P63104	0.351	0.301	0.243
Fructose-bisphosphate aldolase A	P04075	-0.426	0.374	0.255
Proteasome activator complex subunit 1	Q06323	-0.190	0.163	0.243
Netrin-1	O95631	-0.023	0.262	0.931
R-spondin-4	Q2I0M5	-0.360	0.453	0.426
Cathepsin H	P09668	-0.030	0.077	0.694
Tyrosine-protein kinase transmembrane receptor I	Q01973	-0.008	0.383	0.984
Stromelysin-2	P09238	-0.077	0.229	0.739
Small ubiquitin-related modifier 3	P55854	0.506	0.327	0.122
Neutrophil collagenase	P22894	-0.074	0.093	0.427
Protein FAM3B	P58499	-0.006	0.048	0.900

Interferon alpha/beta receptor 1	P17181	-0.189	0.140	0.176
Galectin-9	O00182	-0.063	0.461	0.891
Ubiquitin-conjugating enzyme E2 G2	P60604	-0.630	0.540	0.243
Interleukin-10 receptor subunit alpha	Q13651	-0.235	0.281	0.402
HemK methyltransferase family member 2	Q9Y5N5	-0.076	0.085	0.370
Regenerating islet-derived protein 4	Q9BYZ8	-0.133	0.110	0.229
Chitinase-3-like protein 1	P36222	0.018	0.023	0.426
R-spondin-3	Q9BXY4	0.125	0.178	0.484
Osteopontin	P10451	0.064	0.137	0.642
Protein Z-dependent protease inhibitor	Q9UK55	-0.492	0.204	0.016
Vitronectin	P04004	-0.004	0.009	0.659
Desmocollin-2	Q02487	-0.250	0.204	0.221
Hexokinase-1	P19367	-0.024	0.050	0.631
Protein S100-A4	P26447	0.061	0.084	0.465
E3 ubiquitin-protein ligase RNF43	Q68DV7	-0.018	0.227	0.936
Interleukin-1 receptor type 2	P27930	0.272	0.116	0.019
Amphoterin-induced protein 2	Q86SJ2	0.056	0.139	0.687
Complement component C1q receptor	Q9NPY3	0.196	0.204	0.338
Neuregulin-4	Q8WWG1	0.060	0.048	0.207
Ubiquitin-like protein ISG15	P05161	-0.309	0.154	0.046
Coagulation Factor XI	P03951	0.098	0.094	0.296
Fibroblast growth factor 8 isoform B	P55075	-0.184	0.163	0.258
Mast/stem cell growth factor receptor Kit	P10721	0.328	0.147	0.026
Cadherin-1	P12830	0.185	0.165	0.262
C-C motif chemokine 21	O00585	0.218	0.131	0.096
Insulin-like growth factor-binding protein 3	P17936	-0.011	0.117	0.928
C-C motif chemokine 2	P13500	-0.032	0.130	0.805
Matrix metalloproteinase-9	P14780	0.035	0.104	0.734
Receptor tyrosine-protein kinase erbB-4	Q15303	0.002	0.127	0.984
Heat shock protein HSP 90-alpha/beta	P07900 P08238	-0.146	0.155	0.345
Interleukin-1 Receptor accessory protein	Q9NPH3	-0.080	0.030	0.008
Interleukin-10 receptor subunit beta	Q08334	0.137	0.163	0.400
Layilin	Q6UX15	0.053	0.050	0.285
Tumor necrosis factor receptor superfamily memb	P36941	0.151	0.229	0.510
Epidermal growth factor receptor	P00533	0.250	0.116	0.031
Hepatocyte growth factor	P14210	0.122	0.126	0.336
Melanoma-derived growth regulatory protein	Q16674	0.040	0.113	0.722
Platelet factor 4	P02776	0.031	0.119	0.795
Endothelial monocyte-activating polypeptide 2	Q12904	-0.008	0.099	0.936
NADPH--cytochrome P450 reductase	P16435	0.468	0.148	0.002
Sialic acid-binding Ig-like lectin 7	Q9Y286	-0.041	0.032	0.204
NKG2D ligand 3	Q9BZM4	0.021	0.100	0.832
Fibroblast growth factor 19	O95750	-0.027	0.070	0.701
Hemopexin	P02790	0.000	0.024	0.984
Interleukin-16	Q14005	-0.148	0.108	0.171

Interleukin-22	Q9GZX6	0.122	0.076	0.111
Superoxide dismutase [Cu-Zn]	P00441	0.021	0.263	0.936
Agouti-related protein	O00253	0.016	0.120	0.893
Kunitz-type protease inhibitor 1	O43278	0.105	0.205	0.609
Kallikrein-11	Q9UBX7	-0.012	0.033	0.730
Hepatocyte growth factor receptor	P08581	-0.083	0.120	0.487
Secreted frizzled-related protein 3	Q92765	-0.072	0.081	0.371
Tyrosine-protein kinase receptor Tie-1, soluble	P35590	-0.271	0.144	0.059
Ubiquitin+1, truncated mutation for UbB	P62979	0.116	0.133	0.386
C5a anaphylatoxin	P01031	-0.184	0.081	0.023
Mitogen-activated protein kinase 3	P27361	0.232	0.177	0.191
SUMO-conjugating enzyme UBC9	P63279	-0.195	0.195	0.317
Complement component C7	P10643	-0.073	0.096	0.444
C-C motif chemokine 14	Q16627	-0.008	0.050	0.864
C-C motif chemokine 23	P55773	0.075	0.132	0.574
Neuroblastoma suppressor of tumorigenicity 1	P41271	-0.036	0.070	0.610
Growth hormone receptor	P10912	-0.028	0.105	0.791
Luteinizing hormone	P01215, P01229	0.013	0.044	0.770
Vitamin K-dependent protein C	P04070	-0.264	0.166	0.111
Stem Cell Growth Factor-beta	Q9Y240	0.025	0.109	0.820
Tumor necrosis factor ligand superfamily member	O95150	0.034	0.077	0.664
Amphiregulin	P15514	0.018	0.225	0.936
Bone morphogenetic protein 7	P18075	0.195	0.221	0.377
Tyrosine-protein phosphatase non-receptor type 1	P18031	0.086	0.136	0.529
Sialic acid-binding Ig-like lectin 9	Q9Y336	0.007	0.004	0.084
Ck-beta-8-1	P55773	0.371	0.204	0.069
CD209 antigen	Q9NNX6	0.199	0.087	0.021
Follicle stimulating hormone	P01215, P01225	0.117	0.046	0.010
C-X-C motif chemokine 11	O14625	-0.049	0.070	0.483
Myoglobin	P02144	0.008	0.065	0.899
C-C motif chemokine 18	P55774	0.051	0.046	0.267
Haptoglobin	P00738	0.010	0.007	0.143
Cathepsin B	P07858	0.079	0.083	0.340
Galectin-3	P17931	-0.235	0.081	0.004
Alpha-L-iduronidase	P35475	0.024	0.065	0.718
Arylsulfatase B	P15848	0.123	0.061	0.046
N-acylethanolamine-hydrolyzing acid amidase	Q02083	-0.048	0.032	0.139
A disintegrin and metalloproteinase with thrombo	Q76LX8	-0.094	0.100	0.350
Carbonic anhydrase 4	P22748	-0.055	0.096	0.567
Lysosomal protective protein	P10619	-0.144	0.135	0.287
Ectonucleoside triphosphate diphosphohydrolase	P49961	-0.315	0.170	0.063
Coagulation factor VII	P08709	0.021	0.044	0.632
Platelet glycoprotein VI	Q9HCN6	0.024	0.059	0.692
Granulysin	P22749	0.010	0.025	0.695
Hyaluronan and proteoglycan link protein 1	P10915	-0.015	0.025	0.535

Nidogen-1	P14543	-0.292	0.211	0.166
Polymeric immunoglobulin receptor	P01833	0.115	0.043	0.007
Proto-oncogene tyrosine-protein kinase receptor 1	P07949	0.120	0.144	0.405
Tartrate-resistant acid phosphatase type 5	P13686	0.107	0.093	0.248
WAP, Kazal, immunoglobulin, Kunitz and NTR d	Q8TEU8	0.048	0.034	0.164
CD109 antigen	Q6YHK3	-0.132	0.183	0.471
Low affinity immunoglobulin epsilon Fc receptor	P06734	-0.011	0.030	0.711
CD5 antigen-like	O43866	0.048	0.057	0.400
Contactin-2	Q02246	-0.127	0.065	0.052
Contactin-4	Q8IWV2	0.107	0.159	0.503
Cystatin-M	Q15828	0.062	0.039	0.116
Low affinity immunoglobulin gamma Fc region re	O75015	-0.049	0.170	0.773
High affinity immunoglobulin gamma Fc receptor	P12314	0.100	0.135	0.459
GDNF family receptor alpha-1	P56159	-0.480	0.180	0.008
Glypican-2	Q8N158	0.132	0.187	0.480
Heparin cofactor 2	P05546	0.090	0.125	0.473
Leucine-rich repeats and immunoglobulin-like dor	Q6UXM1	-0.042	0.219	0.847
Thrombospondin-2	P35442	0.112	0.177	0.525
Thrombospondin-4	P35443	0.053	0.114	0.641
Dickkopf-related protein 4	Q9UBT3	0.005	0.117	0.965
Extracellular matrix protein 1	Q16610	0.262	0.213	0.220
Kallikrein-7	P49862	0.019	0.047	0.687
Renin	P00797	-0.046	0.090	0.610
Tyrosine-protein phosphatase non-receptor type 1	Q06124	-0.179	0.133	0.178
Tryptase beta-2	P20231	0.019	0.013	0.145
Ubiquitin-fold modifier-conjugating enzyme 1	Q9Y3C8	0.165	0.191	0.386
Tyrosine-protein kinase BTK	Q06187	0.180	0.095	0.060
Calcium/calmodulin-dependent protein kinase typ	Q8IU85	0.521	0.288	0.070
Tumor necrosis factor ligand superfamily member	P32971	0.092	0.144	0.525
Ephrin type-A receptor 1	P21709	0.071	0.061	0.241
Fibronectin Fragment 4	P02751	-0.189	0.240	0.429
Follistatin-related protein 3	O95633	-0.365	0.150	0.015
Kallikrein-6	Q92876	0.065	0.103	0.529
Periostin	Q15063	-0.092	0.059	0.118
Platelet-derived growth factor receptor beta	P09619	0.016	0.020	0.402
E-selectin	P16581	-0.059	0.047	0.210
C-C motif chemokine 22	O00626	-0.028	0.109	0.799
C-C motif chemokine 15	Q16663	-0.061	0.062	0.323
Arylsulfatase A	P15289	-0.167	0.087	0.055
Calcium/calmodulin-dependent protein kinase typ	Q14012	0.208	0.181	0.252
C-type lectin domain family 7 member A	Q9BXN2	0.024	0.051	0.635
Endothelin-converting enzyme 1	P42892	0.054	0.070	0.439
Hepatocyte growth factor activator	Q04756	0.046	0.026	0.074
Lymphocyte antigen 86	O95711	0.016	0.111	0.884
Nidogen-2	Q14112	0.186	0.140	0.185

Oxidized low-density lipoprotein receptor 1	P78380	0.221	0.101	0.028
Tyrosine-protein kinase Tec	P42680	-0.290	0.167	0.083
Complement factor H-related protein 5	Q9BXR6	-0.007	0.082	0.934
Cation-independent mannose-6-phosphate recepto	P11717	-0.046	0.079	0.557
Peptide YY	P10082	-0.200	0.132	0.128
Angiopoietin-related protein 4	Q9BY76	0.264	0.242	0.275
Carbonic anhydrase 3	P07451	0.014	0.038	0.715
Endothelial cell-specific molecule 1	Q9NQ30	0.020	0.133	0.879
Tyrosine-protein kinase Fyn	P06241	-0.574	0.354	0.105
MAP kinase-activated protein kinase 3	Q16644	0.067	0.162	0.680
Serine/threonine-protein kinase PAK 6	Q9NQU5	0.192	0.144	0.184
Translationally-controlled tumor protein	P13693	-0.181	0.181	0.317
Importin subunit beta-1	Q14974	0.043	0.174	0.805
N-acetyl-D-glucosamine kinase	Q9UJ70	0.114	0.134	0.397
S-phase kinase-associated protein 1	P63208	0.287	0.280	0.305
Interleukin-6 receptor subunit alpha	P08887	0.043	0.039	0.275
Plasminogen	P00747	-0.017	0.131	0.898
72 kDa type IV collagenase	P08253	0.041	0.173	0.812
14-3-3 protein family	P31946, P62258, P	0.010	0.123	0.936
6-phosphogluconate dehydrogenase, decarboxylat	P52209	-0.122	0.080	0.125
Alcohol dehydrogenase [NADP(+)]	P14550	-0.029	0.047	0.531
Insulin-like growth factor 1 receptor	P08069	0.003	0.170	0.988
Interleukin-1 receptor-like 1	Q01638	-0.007	0.014	0.593
Prefoldin subunit 5	Q99471	0.255	0.166	0.125
Spondin-1	Q9HCB6	-0.186	0.160	0.246
C-reactive protein	P02741	-0.003	0.040	0.936
Intercellular adhesion molecule 1	P05362	0.083	0.025	0.001
Growth/differentiation factor 15	Q99988	-0.104	0.086	0.228
Interferon lambda-2	Q8IZJ0	0.099	0.164	0.545
Hepatocyte growth factor-like protein	P26927	-0.032	0.016	0.048
Disintegrin and metalloproteinase domain-contain	O43184	0.516	0.261	0.048
Collectin-11	Q9BWP8	0.029	0.021	0.162
Ectonucleoside triphosphate diphosphohydrolase	O75355	-0.103	0.186	0.579
Proprotein convertase subtilisin/kexin type 7	Q16549	0.003	0.056	0.953
SPARC-like protein 1	Q14515	0.475	0.245	0.052
Plasma protease C1 inhibitor	P05155	0.335	0.087	0.000
Fibroblast growth factor 7	P21781	-0.293	0.184	0.111
Kininogen-1	P01042	0.145	0.200	0.469
Stem cell growth factor-alpha	Q9Y240	0.024	0.106	0.820
ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase	Q10588	-0.009	0.030	0.760
Cell adhesion molecule-related/down-regulated by	Q4KMG0	-0.038	0.086	0.657
Clusterin	P10909	-0.116	0.261	0.658
Alpha-(1,3)-fucosyltransferase 5	Q11128	0.011	0.043	0.790
Kin of IRRE-like protein 3	Q8IZU9	0.279	0.150	0.064
Plexin-C1	O60486	0.061	0.101	0.546

Pancreatic hormone	P01298	0.128	0.160	0.422
Lymphotoxin-alpha	P01374	0.178	0.245	0.469
Trefoil factor 3	Q07654	0.002	0.178	0.992
Acid sphingomyelinase-like phosphodiesterase 3a	Q92484	0.051	0.037	0.175
Gelsolin	P06396	-0.265	0.193	0.170
Thioredoxin domain-containing protein 12	O95881	0.156	0.102	0.127
L-Selectin	P14151	0.098	0.078	0.213
Ephrin type-A receptor 2	P29317	-0.464	0.218	0.034
Granulocyte colony-stimulating factor	P09919	0.067	0.200	0.737
BDNF/NT-3 growth factors receptor	Q16620	0.002	0.142	0.988
Angiogenin	P03950	-0.111	0.163	0.498
Coactosin-like protein	Q14019	0.209	0.233	0.370
Coagulation Factor V	P12259	-0.043	0.084	0.610
Galectin-8	O00214	-0.201	0.129	0.120
Glutathione S-transferase P	P09211	-0.067	0.041	0.105
C-C motif chemokine 16	O15467	0.029	0.036	0.407
Hemoglobin	P69905, P68871	-0.008	0.017	0.646
Lysozyme C	P61626	0.085	0.054	0.119
Sex hormone-binding globulin	P04278	0.117	0.070	0.093
40S ribosomal protein SA	P08865	0.192	0.297	0.517
Cerebral dopamine neurotrophic factor	Q49AH0	-0.076	0.111	0.490
Endoplasmic reticulum aminopeptidase 1	Q9NZ08	0.001	0.020	0.954
Complement component 1 Q subcomponent-bindi	Q07021	-0.206	0.230	0.371
Macrophage-capping protein	P40121	-0.012	0.133	0.928
Cathepsin Z	Q9UBR2	-0.164	0.145	0.260
Adapter molecule crk	P46108	0.154	0.178	0.386
S-formylglutathione hydrolase	P10768	-0.066	0.035	0.061
Fibrinogen gamma chain	P02679	-0.066	0.067	0.329
Granulins	P28799	-0.415	0.223	0.063
Mammaglobin-B	O75556	0.061	0.251	0.809
Adenylate kinase isoenzyme 1	P00568	0.033	0.150	0.826
Platelet-activating factor acetylhydrolase	Q13093	0.042	0.041	0.306
Phosphoglycerate kinase 1	P00558	-0.020	0.244	0.936
Tumor necrosis factor-inducible gene 6 protein	P98066	-0.036	0.088	0.686
Programmed cell death 1 ligand 1	Q9NZQ7	0.064	0.089	0.471
Cytotoxic and regulatory T-cell molecule	O95727	-0.238	0.223	0.287
Interleukin-17 receptor B	Q9NRM6	0.112	0.093	0.229
Leukocyte immunoglobulin-like receptor subfamil	Q8N423	-0.027	0.065	0.676
Protein jagged-1	P78504	-0.118	0.170	0.487
Scavenger receptor class F member 1	Q14162	-0.063	0.080	0.435
Interleukin-27 receptor subunit alpha	Q6UWB1	-0.024	0.042	0.569
Hepatitis A virus cellular receptor 2	Q8TDQ0	0.012	0.068	0.858
Inosine-5'-monophosphate dehydrogenase 1	P20839	-0.186	0.189	0.324
AMP Kinase (alpha2beta2gamma1)	P54646 O43741 P5	0.140	0.188	0.458
Apolipoprotein E (isoform E2)	P02649	0.019	0.230	0.936

Caspase-10	Q92851	-0.098	0.116	0.396
Carboxypeptidase E	P16870	-0.011	0.171	0.948
Cytoskeleton-associated protein 2	Q8WWK9	-0.009	0.116	0.936
Delta-like protein 1	O00548	0.140	0.164	0.395
Glypican-6	Q9Y625	0.558	0.188	0.003
Keratin, type I cytoskeletal 18	P05783	0.038	0.058	0.510
Semaphorin-3E	O15041	-0.042	0.022	0.060
Leptin receptor	P48357	0.021	0.023	0.371
Collectin-12	Q5KU26	0.206	0.219	0.347
Growth factor receptor-bound protein 2	P62993	0.114	0.169	0.503
Heat shock protein HSP 90-beta	P08238	-0.151	0.160	0.345
Interleukin-17 receptor C	Q8NAC3	-0.095	0.245	0.699
Glutamate carboxypeptidase 2	Q04609	0.071	0.083	0.391
Intercellular adhesion molecule 2	P13598	-0.460	0.296	0.120
SLAM family member 7	Q9NQ25	0.065	0.037	0.079
Testican-2	Q92563	0.124	0.085	0.143
Neuropilin-1	O14786	-0.104	0.187	0.577
beta-nerve growth factor	P01138	0.462	0.345	0.180
14-3-3 protein zeta/delta	P63104	0.012	0.148	0.936
Fructose-bisphosphate aldolase A	P04075	-0.170	0.170	0.317
Proteasome activator complex subunit 1	Q06323	-0.006	0.080	0.936
Netrin-1	O95631	-0.017	0.121	0.889
Tropomyosin alpha-4 chain	P67936	-0.115	0.157	0.465
R-spondin-4	Q2I0M5	-0.003	0.188	0.987
Cathepsin H	P09668	-0.005	0.027	0.846
Tyrosine-protein kinase transmembrane receptor I	Q01973	-0.065	0.169	0.699
Stromelysin-2	P09238	0.115	0.106	0.277
Small ubiquitin-related modifier 3	P55854	0.132	0.152	0.386
Neutrophil collagenase	P22894	0.090	0.040	0.024
Protein FAM3B	P58499	0.002	0.023	0.949
Interferon alpha/beta receptor 1	P17181	-0.019	0.063	0.767
Galectin-9	O00182	-0.043	0.177	0.807
Ubiquitin-conjugating enzyme E2 G2	P60604	-0.021	0.265	0.936
Interleukin-10 receptor subunit alpha	Q13651	-1.273	0.561	0.023
HemK methyltransferase family member 2	Q9Y5N5	-0.224	0.166	0.177
Regenerating islet-derived protein 4	Q9BYZ8	-0.090	0.227	0.692
Chitinase-3-like protein 1	P36222	-0.036	0.045	0.428
Osteopontin	P10451	0.219	0.273	0.423
Protein Z-dependent protease inhibitor	Q9UK55	0.178	0.409	0.663
Vitronectin	P04004	0.028	0.019	0.131
Desmocollin-2	Q02487	0.075	0.405	0.853
Hexokinase-1	P19367	0.156	0.101	0.122
Protein S100-A4	P26447	0.283	0.200	0.157
E3 ubiquitin-protein ligase RNF43	Q68DV7	0.494	0.454	0.276
Interleukin-1 receptor type 2	P27930	-0.483	0.232	0.038

Amphoterin-induced protein 2	Q86SJ2	-0.556	0.273	0.042
Complement component C1q receptor	Q9NPY3	-0.485	0.405	0.232
Neuregulin-4	Q8WWG1	-0.075	0.095	0.430
Ubiquitin-like protein ISG15	P05161	0.111	0.322	0.731
Coagulation Factor XI	P03951	0.167	0.188	0.375
Fibroblast growth factor 8 isoform B	P55075	0.037	0.343	0.915
Mast/stem cell growth factor receptor Kit	P10721	0.041	0.308	0.895
C-C motif chemokine 21	O00585	0.110	0.257	0.667
Insulin-like growth factor-binding protein 3	P17936	-0.353	0.236	0.135
C-C motif chemokine 2	P13500	-0.121	0.254	0.633
Matrix metalloproteinase-9	P14780	0.075	0.208	0.717
Receptor tyrosine-protein kinase erbB-4	Q15303	-0.051	0.256	0.842
Heat shock protein HSP 90-alpha/beta	P07900 P08238	-0.289	0.343	0.400
Interleukin-1 Receptor accessory protein	Q9NPH3	0.045	0.062	0.464
Interleukin-10 receptor subunit beta	Q08334	-0.772	0.344	0.025
Layilin	Q6UX15	-0.023	0.100	0.820
Tumor necrosis factor receptor superfamily memb	P36941	0.610	0.495	0.218
Epidermal growth factor receptor	P00533	0.051	0.233	0.827
Hepatocyte growth factor	P14210	0.165	0.250	0.509
Melanoma-derived growth regulatory protein	Q16674	0.060	0.229	0.792
Platelet factor 4	P02776	-0.582	0.267	0.030
Endothelial monocyte-activating polypeptide 2	Q12904	0.217	0.199	0.276
NADPH--cytochrome P450 reductase	P16435	-0.015	0.296	0.958
Sialic acid-binding Ig-like lectin 7	Q9Y286	0.227	0.068	0.001
NKG2D ligand 3	Q9BZM4	0.036	0.199	0.856
Fibroblast growth factor 19	O95750	0.055	0.142	0.700
Hemopexin	P02790	-0.104	0.047	0.027
Interleukin-16	Q14005	-0.018	0.229	0.936
Interleukin-22	Q9GZX6	-0.163	0.151	0.282
Superoxide dismutase [Cu-Zn]	P00441	-0.572	0.525	0.276
Agouti-related protein	O00253	-0.774	0.232	0.001
Kunitz-type protease inhibitor 1	O43278	0.658	0.415	0.113
Kallikrein-11	Q9UBX7	0.050	0.068	0.467
Hepatocyte growth factor receptor	P08581	-0.541	0.242	0.025
Secreted frizzled-related protein 3	Q92765	0.383	0.166	0.021
Tyrosine-protein kinase receptor Tie-1, soluble	P35590	1.183	0.291	4.759956-
Ubiquitin+1, truncated mutation for UbB	P62979	0.181	0.267	0.498
C5a anaphylatoxin	P01031	0.002	0.164	0.991
Mitogen-activated protein kinase 3	P27361	0.317	0.374	0.397
SUMO-conjugating enzyme UBC9	P63279	-0.237	0.394	0.547
Complement component C7	P10643	0.315	0.176	0.073
C-C motif chemokine 14	Q16627	0.150	0.098	0.124
C-C motif chemokine 23	P55773	0.033	0.265	0.901
Neuroblastoma suppressor of tumorigenicity 1	P41271	0.236	0.139	0.089
Complement factor D	P00746	0.395	0.257	0.125

Growth hormone receptor	P10912	-0.075	0.208	0.719
Luteinizing hormone	P01215, P01229	-0.131	0.087	0.134
Vitamin K-dependent protein C	P04070	-0.315	0.346	0.362
Stem Cell Growth Factor-beta	Q9Y240	-0.223	0.240	0.353
Tumor necrosis factor ligand superfamily member	O95150	-0.231	0.155	0.136
Amphiregulin	P15514	-0.490	0.450	0.276
Bone morphogenetic protein 7	P18075	0.002	0.470	0.996
Tyrosine-protein phosphatase non-receptor type 1	P18031	-0.213	0.282	0.450
Sialic acid-binding Ig-like lectin 9	Q9Y336	0.002	0.008	0.794
Ck-beta-8-1	P55773	-0.147	0.419	0.726
CD209 antigen	Q9NNX6	-0.142	0.178	0.426
Follicle stimulating hormone	P01215, P01225	0.063	0.098	0.519
C-X-C motif chemokine 11	O14625	-0.139	0.143	0.331
Myoglobin	P02144	-0.099	0.125	0.427
C-C motif chemokine 18	P55774	-0.055	0.093	0.553
Haptoglobin	P00738	-0.014	0.014	0.322
Cathepsin B	P07858	0.113	0.167	0.500
Galectin-3	P17931	-0.274	0.165	0.098
Lipopolysaccharide-binding protein	P18428	-0.136	0.093	0.141
Alpha-L-iduronidase	P35475	0.070	0.128	0.587
Arylsulfatase B	P15848	0.177	0.124	0.154
N-acylethanolamine-hydrolyzing acid amidase	Q02083	-0.111	0.065	0.086
A disintegrin and metalloproteinase with thrombo	Q76LX8	0.287	0.200	0.151
Carbonic anhydrase 4	P22748	0.417	0.182	0.022
Lysosomal protective protein	P10619	-0.457	0.270	0.091
Ectonucleoside triphosphate diphosphohydrolase	P49961	-0.119	0.366	0.745
Coagulation factor VII	P08709	0.179	0.085	0.035
Platelet glycoprotein VI	Q9HCN6	-0.127	0.121	0.293
Granulysin	P22749	-0.015	0.050	0.759
Nidogen-1	P14543	-0.359	0.431	0.405
Polymeric immunoglobulin receptor	P01833	-0.215	0.085	0.011
Proto-oncogene tyrosine-protein kinase receptor 1	P07949	0.119	0.335	0.722
Tartrate-resistant acid phosphatase type 5	P13686	0.531	0.187	0.005
WAP, Kazal, immunoglobulin, Kunitz and NTR d	Q8TEU8	-0.089	0.069	0.196
CD109 antigen	Q6YHK3	-0.686	0.375	0.067
Low affinity immunoglobulin epsilon Fc receptor	P06734	0.025	0.063	0.688
CD5 antigen-like	O43866	-0.180	0.114	0.114
Contactin-2	Q02246	0.482	0.132	0.000
Contactin-4	Q8IWV2	-0.089	0.312	0.775
Cystatin-M	Q15828	-0.167	0.077	0.031
Low affinity immunoglobulin gamma Fc region re	O75015	-0.659	0.349	0.059
High affinity immunoglobulin gamma Fc receptor	P12314	-0.384	0.268	0.151
GDNF family receptor alpha-1	P56159	-0.864	0.412	0.036
Heparin cofactor 2	P05546	-0.005	0.256	0.983
Leucine-rich repeats and immunoglobulin-like dor	Q6UXM1	-0.474	0.458	0.301

Thrombospondin-2	P35442	0.707	0.349	0.043
Thrombospondin-4	P35443	0.447	0.227	0.049
Dickkopf-related protein 4	Q9UBT3	-0.036	0.232	0.878
Extracellular matrix protein 1	Q16610	0.523	0.421	0.215
Kallikrein-7	P49862	0.114	0.104	0.271
Renin	P00797	0.143	0.191	0.453
Tyrosine-protein phosphatase non-receptor type 1	Q06124	-0.159	0.268	0.555
Tryptase beta-2	P20231	0.037	0.027	0.177
Ubiquitin-fold modifier-conjugating enzyme 1	Q9Y3C8	0.259	0.382	0.498
Tyrosine-protein kinase BTK	Q06187	0.363	0.215	0.091
Calcium/calmodulin-dependent protein kinase typ	Q8IU85	-0.185	0.570	0.746
Tumor necrosis factor ligand superfamily member	P32971	-0.200	0.289	0.488
Ephrin type-A receptor 1	P21709	-0.118	0.118	0.314
Fibronectin Fragment 4	P02751	0.352	0.483	0.467
Follistatin-related protein 3	O95633	-0.365	0.297	0.219
Kallikrein-6	Q92876	-0.162	0.214	0.450
Platelet-derived growth factor receptor beta	P09619	0.020	0.039	0.621
Brevican core protein	Q96GW7	-0.323	0.205	0.115
E-selectin	P16581	0.063	0.093	0.503
C-C motif chemokine 22	O00626	0.018	0.223	0.934
C-C motif chemokine 15	Q16663	0.251	0.123	0.040
Arylsulfatase A	P15289	-0.161	0.178	0.363
Calcium/calmodulin-dependent protein kinase typ	Q14012	0.015	0.366	0.967
C-type lectin domain family 7 member A	Q9BXN2	0.047	0.105	0.655
Dipeptidyl peptidase 2	Q9UHL4	0.009	0.182	0.961
Endothelin-converting enzyme 1	P42892	-0.146	0.142	0.304
Hepatocyte growth factor activator	Q04756	-0.083	0.051	0.104
Lymphocyte antigen 86	O95711	0.228	0.226	0.312
Nidogen-2	Q14112	0.154	0.286	0.589
Oxidized low-density lipoprotein receptor 1	P78380	-0.235	0.202	0.245
Tyrosine-protein kinase Tec	P42680	0.082	0.331	0.804
Complement factor H-related protein 5	Q9BXR6	0.090	0.177	0.613
Cation-independent mannose-6-phosphate recepto	P11717	0.125	0.168	0.456
Peptide YY	P10082	-0.023	0.260	0.930
Tumor necrosis factor receptor superfamily memb	P43489	0.400	0.343	0.244
Angiopoietin-related protein 4	Q9BY76	-0.693	0.513	0.177
Carbonic anhydrase 3	P07451	-0.162	0.079	0.040
Endothelial cell-specific molecule 1	Q9NQ30	0.566	0.266	0.033
Tyrosine-protein kinase Fyn	P06241	1.262	0.764	0.099
MAP kinase-activated protein kinase 3	Q16644	-0.505	0.328	0.124
Serine/threonine-protein kinase PAK 6	Q9NQU5	0.162	0.293	0.580
Translationally-controlled tumor protein	P13693	-0.221	0.367	0.547
Importin subunit beta-1	Q14974	0.348	0.347	0.317
N-acetyl-D-glucosamine kinase	Q9UJ70	0.012	0.266	0.965
S-phase kinase-associated protein 1	P63208	-1.216	0.556	0.029

Interleukin-6 receptor subunit alpha	P08887	-0.210	0.079	0.008
Plasminogen	P00747	-0.025	0.260	0.923
Tenascin	P24821	-0.069	0.057	0.224
72 kDa type IV collagenase	P08253	-0.216	0.342	0.527
14-3-3 protein family	P31946, P62258, P	-0.269	0.247	0.276
6-phosphogluconate dehydrogenase, decarboxylat	P52209	0.024	0.148	0.873
Alcohol dehydrogenase [NADP(+)]	P14550	0.069	0.094	0.461
Cofilin-1	P23528	0.167	0.372	0.654
Insulin-like growth factor 1 receptor	P08069	0.320	0.328	0.329
Interleukin-1 receptor-like 1	Q01638	-0.035	0.028	0.209
Prefoldin subunit 5	Q99471	0.504	0.343	0.142
C-reactive protein	P02741	0.087	0.080	0.276
Intercellular adhesion molecule 1	P05362	0.095	0.050	0.056
Growth/differentiation factor 15	Q99988	-0.156	0.174	0.369
Interferon lambda-2	Q8IZJ0	-0.402	0.333	0.227
Hepatocyte growth factor-like protein	P26927	0.089	0.033	0.006
Disintegrin and metalloproteinase domain-contain	O43184	0.571	0.522	0.274
Collectin-11	Q9BWP8	0.016	0.043	0.709
Ectonucleoside triphosphate diphosphohydrolase	O75355	-0.607	0.371	0.102
Proprotein convertase subtilisin/kexin type 7	Q16549	-0.222	0.110	0.043
SPARC-like protein 1	Q14515	-1.243	0.504	0.014
Plasma protease C1 inhibitor	P05155	0.778	0.175	8.247417(
Fibroblast growth factor 7	P21781	0.176	0.363	0.628
Kininogen-1	P01042	-0.261	0.400	0.514
Stem cell growth factor-alpha	Q9Y240	-0.217	0.233	0.353
ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase	Q10588	0.009	0.061	0.879
Cell adhesion molecule-related/down-regulated by	Q4KMG0	-0.145	0.175	0.408
Clusterin	P10909	-0.278	0.506	0.583
Alpha-(1,3)-fucosyltransferase 5	Q11128	-0.072	0.084	0.388
Kin of IRRE-like protein 3	Q8IZU9	0.123	0.302	0.685
Plexin-C1	O60486	-0.052	0.248	0.835
Pancreatic hormone	P01298	-0.310	0.317	0.329
Lymphotoxin-alpha	P01374	-0.320	0.491	0.514
Trefoil factor 3	Q07654	0.688	0.338	0.042
Acid sphingomyelinase-like phosphodiesterase 3a	Q92484	0.077	0.075	0.302
Gelsolin	P06396	-0.607	0.410	0.138
Thioredoxin domain-containing protein 12	O95881	0.254	0.198	0.200
L-Selectin	P14151	0.058	0.160	0.719
Ephrin type-A receptor 2	P29317	0.492	0.437	0.261
Granulocyte colony-stimulating factor	P09919	-0.451	0.420	0.283
BDNF/NT-3 growth factors receptor	Q16620	0.267	0.273	0.329
Angiogenin	P03950	0.055	0.335	0.869
Coactosin-like protein	Q14019	0.324	0.464	0.485
Coagulation Factor V	P12259	0.369	0.160	0.021
Galectin-8	O00214	-0.253	0.264	0.338

Glutathione S-transferase P	P09211	0.048	0.084	0.564
C-C motif chemokine 16	O15467	-0.042	0.073	0.564
Hemoglobin	P69905, P68871	-0.018	0.033	0.574
Lysozyme C	P61626	-0.027	0.109	0.807
Sex hormone-binding globulin	P04278	-0.143	0.138	0.298
40S ribosomal protein SA	P08865	0.127	0.622	0.838
Cerebral dopamine neurotrophic factor	Q49AH0	0.174	0.212	0.410
Endoplasmic reticulum aminopeptidase 1	Q9NZ08	-0.018	0.042	0.661
Complement component 1 Q subcomponent-bindi	Q07021	1.095	0.474	0.021
Macrophage-capping protein	P40121	0.555	0.265	0.037
Adapter molecule crk	P46108	0.241	0.355	0.498
S-formylglutathione hydrolase	P10768	-0.014	0.070	0.843
Fibrinogen gamma chain	P02679	-0.052	0.138	0.707
Granulins	P28799	-0.157	0.482	0.745
Mammaglobin-B	O75556	0.166	0.541	0.760
Adenylate kinase isoenzyme 1	P00568	-0.459	0.307	0.135
Platelet-activating factor acetylhydrolase	Q13093	0.201	0.083	0.016
Phosphoglycerate kinase 1	P00558	0.531	0.487	0.276
Tumor necrosis factor-inducible gene 6 protein	P98066	0.240	0.177	0.173
Programmed cell death 1 ligand 1	Q9NZQ7	-0.217	0.180	0.227
Cytotoxic and regulatory T-cell molecule	O95727	0.788	0.459	0.086
Interleukin-17 receptor B	Q9NRM6	-0.082	0.202	0.684
Leukocyte immunoglobulin-like receptor subfamil	Q8N423	-0.084	0.136	0.537
Protein jagged-1	P78504	-0.764	0.342	0.025
Scavenger receptor class F member 1	Q14162	-0.306	0.161	0.057
Interleukin-27 receptor subunit alpha	Q6UWB1	0.078	0.091	0.387
Hepatitis A virus cellular receptor 2	Q8TDQ0	0.006	0.135	0.964
AMP Kinase (alpha2beta2gamma1)	P54646 O43741 P5	0.033	0.414	0.937
Apolipoprotein E (isoform E2)	P02649	-0.502	0.461	0.276
Caspase-10	Q92851	0.578	0.227	0.011
Carboxypeptidase E	P16870	0.651	0.339	0.055
Cytoskeleton-associated protein 2	Q8WWK9	0.252	0.232	0.276
Delta-like protein 1	O00548	0.241	0.329	0.463
Glypican-6	Q9Y625	-0.483	0.370	0.192
Keratin, type I cytoskeletal 18	P05783	-0.046	0.115	0.690
Semaphorin-3E	O15041	-0.013	0.044	0.773
Leptin receptor	P48357	0.026	0.047	0.581
Collectin-12	Q5KU26	0.141	0.443	0.751
Growth factor receptor-bound protein 2	P62993	-0.095	0.333	0.775
Heat shock protein HSP 90-beta	P08238	-0.299	0.355	0.400
Glutamate carboxypeptidase 2	Q04609	0.277	0.180	0.124
Intercellular adhesion molecule 2	P13598	1.020	0.592	0.085
SLAM family member 7	Q9NQ25	-0.002	0.078	0.983
Testican-2	Q92563	0.226	0.171	0.186
Neuropilin-1	O14786	1.299	0.373	0.001

14-3-3 protein zeta/delta	P63104	-0.322	0.296	0.276
Fructose-bisphosphate aldolase A	P04075	-0.207	0.344	0.547
Proteasome activator complex subunit 1	Q06323	0.175	0.161	0.276
Netrin-1	O95631	-0.290	0.245	0.236
Tropomyosin alpha-4 chain	P67936	-0.658	0.318	0.039
R-spondin-4	Q2I0M5	-0.051	0.375	0.893
Cathepsin H	P09668	0.091	0.056	0.106
Tyrosine-protein kinase transmembrane receptor I	Q01973	-0.579	0.349	0.097
Stromelysin-2	P09238	-0.251	0.220	0.254
Small ubiquitin-related modifier 3	P55854	0.206	0.304	0.498
Neutrophil collagenase	P22894	-0.099	0.082	0.227
Protein FAM3B	P58499	0.059	0.046	0.195
Interferon alpha/beta receptor 1	P17181	-0.039	0.126	0.759
Galectin-9	O00182	0.244	0.358	0.496
Ubiquitin-conjugating enzyme E2 G2	P60604	0.578	0.531	0.276
Interleukin-10 receptor subunit alpha	Q13651	-0.039	0.607	0.949
HemK methyltransferase family member 2	Q9Y5N5	0.139	0.182	0.443
Regenerating islet-derived protein 4	Q9BYZ8	0.243	0.243	0.317
Chitinase-3-like protein 1	P36222	0.069	0.049	0.154
Osteopontin	P10451	-0.143	0.296	0.628
Protein Z-dependent protease inhibitor	Q9UK55	0.499	0.439	0.256
Vitronectin	P04004	0.024	0.020	0.234
Desmocollin-2	Q02487	-0.263	0.442	0.552
Hexokinase-1	P19367	0.092	0.110	0.399
Protein S100-A4	P26447	-0.231	0.217	0.287
E3 ubiquitin-protein ligase RNF43	Q68DV7	0.018	0.494	0.970
Interleukin-1 receptor type 2	P27930	0.145	0.251	0.563
Amphoterin-induced protein 2	Q86SJ2	-0.070	0.292	0.810
Complement component C1q receptor	Q9NPY3	0.162	0.439	0.713
Neuregulin-4	Q8WWG1	0.068	0.103	0.510
Ubiquitin-like protein ISG15	P05161	-0.463	0.352	0.189
Coagulation Factor XI	P03951	-0.235	0.203	0.247
Fibroblast growth factor 8 isoform B	P55075	0.115	0.371	0.757
Mast/stem cell growth factor receptor Kit	P10721	-0.011	0.330	0.973
C-C motif chemokine 21	O00585	-0.021	0.277	0.941
Insulin-like growth factor-binding protein 3	P17936	0.157	0.268	0.559
C-C motif chemokine 2	P13500	0.155	0.276	0.575
Matrix metalloproteinase-9	P14780	0.102	0.226	0.652
Receptor tyrosine-protein kinase erbB-4	Q15303	0.103	0.296	0.728
Heat shock protein HSP 90-alpha/beta	P07900 P08238	0.168	0.364	0.644
Interleukin-1 Receptor accessory protein	Q9NPH3	0.073	0.068	0.286
Interleukin-10 receptor subunit beta	Q08334	-0.787	0.373	0.035
Layilin	Q6UX15	-0.391	0.110	0.000
Tumor necrosis factor receptor superfamily memb	P36941	0.344	0.516	0.505
Epidermal growth factor receptor	P00533	-0.458	0.254	0.072

Hepatocyte growth factor	P14210	-0.513	0.275	0.062
Melanoma-derived growth regulatory protein	Q16674	0.194	0.249	0.437
Platelet factor 4	P02776	-0.132	0.286	0.644
Endothelial monocyte-activating polypeptide 2	Q12904	0.008	0.217	0.970
NADPH--cytochrome P450 reductase	P16435	-0.847	0.320	0.008
Sialic acid-binding Ig-like lectin 7	Q9Y286	-0.070	0.076	0.362
NKG2D ligand 3	Q9BZM4	-0.069	0.217	0.749
Fibroblast growth factor 19	O95750	0.017	0.158	0.912
Hemopexin	P02790	-0.108	0.051	0.035
Interleukin-16	Q14005	-0.374	0.245	0.126
Interleukin-22	Q9GZX6	0.006	0.164	0.972
Superoxide dismutase [Cu-Zn]	P00441	-0.021	0.572	0.970
Agouti-related protein	O00253	-1.047	0.261	6.211338
Kunitz-type protease inhibitor 1	O43278	0.295	0.453	0.514
Kallikrein-11	Q9UBX7	-0.016	0.076	0.837
Hepatocyte growth factor receptor	P08581	0.104	0.259	0.689
Secreted frizzled-related protein 3	Q92765	-0.662	0.179	0.000
Tyrosine-protein kinase receptor Tie-1, soluble	P35590	0.569	0.314	0.070
Ubiquitin+1, truncated mutation for UbB	P62979	0.071	0.290	0.807
C5a anaphylatoxin	P01031	0.224	0.179	0.211
Mitogen-activated protein kinase 3	P27361	0.238	0.415	0.567
SUMO-conjugating enzyme UBC9	P63279	-0.237	0.432	0.583
Complement component C7	P10643	0.063	0.195	0.747
C-C motif chemokine 14	Q16627	0.171	0.108	0.114
C-C motif chemokine 23	P55773	-0.510	0.291	0.080
Neuroblastoma suppressor of tumorigenicity 1	P41271	0.199	0.158	0.207
Complement factor D	P00746	0.037	0.281	0.895
Growth hormone receptor	P10912	-0.090	0.228	0.692
Luteinizing hormone	P01215, P01229	0.038	0.097	0.690
Vitamin K-dependent protein C	P04070	-0.387	0.369	0.295
Stem Cell Growth Factor-beta	Q9Y240	0.217	0.261	0.405
Tumor necrosis factor ligand superfamily member	O95150	-0.197	0.168	0.242
Amphiregulin	P15514	-0.018	0.490	0.970
Bone morphogenetic protein 7	P18075	-1.702	0.488	0.000
Tyrosine-protein phosphatase non-receptor type 1	P18031	-0.328	0.304	0.281
Sialic acid-binding Ig-like lectin 9	Q9Y336	0.004	0.008	0.621
Ck-beta-8-1	P55773	0.502	0.456	0.271
CD209 antigen	Q9NNX6	-0.066	0.194	0.734
Follicle stimulating hormone	P01215, P01225	0.247	0.107	0.021
C-X-C motif chemokine 11	O14625	-0.142	0.151	0.348
C-C motif chemokine 18	P55774	-0.149	0.101	0.141
Haptoglobin	P00738	0.034	0.015	0.026
Cathepsin B	P07858	-0.195	0.180	0.279
Galectin-3	P17931	0.125	0.176	0.478
Lipopolysaccharide-binding protein	P18428	0.126	0.098	0.200

Alpha-L-iduronidase	P35475	-0.118	0.141	0.400
Arylsulfatase B	P15848	0.179	0.134	0.184
N-acylethanolamine-hydrolyzing acid amidase	Q02083	0.007	0.070	0.923
A disintegrin and metalloproteinase with thrombo	Q76LX8	0.013	0.216	0.952
Carbonic anhydrase 4	P22748	0.087	0.195	0.656
Lysosomal protective protein	P10619	0.282	0.290	0.332
Ectonucleoside triphosphate diphosphohydrolase	P49961	-0.559	0.416	0.179
Coagulation factor VII	P08709	0.059	0.093	0.525
Platelet glycoprotein VI	Q9HCN6	-0.191	0.130	0.141
Granulysin	P22749	0.031	0.057	0.590
Nidogen-1	P14543	0.206	0.470	0.661
Polymeric immunoglobulin receptor	P01833	-0.122	0.092	0.187
Proto-oncogene tyrosine-protein kinase receptor 1	P07949	-0.148	0.369	0.688
Tartrate-resistant acid phosphatase type 5	P13686	0.171	0.208	0.411
WAP, Kazal, immunoglobulin, Kunitz and NTR d	Q8TEU8	0.167	0.076	0.027
CD109 antigen	Q6YHK3	-0.281	0.401	0.483
Low affinity immunoglobulin epsilon Fc receptor	P06734	-0.017	0.069	0.802
CD5 antigen-like	O43866	-0.008	0.123	0.950
Contactin-2	Q02246	-0.057	0.145	0.693
Contactin-4	Q8IWV2	0.162	0.337	0.631
Cystatin-M	Q15828	-0.178	0.085	0.035
Low affinity immunoglobulin gamma Fc region re	O75015	-0.133	0.364	0.715
High affinity immunoglobulin gamma Fc receptor	P12314	-0.068	0.292	0.817
GDNF family receptor alpha-1	P56159	-1.149	0.449	0.010
Heparin cofactor 2	P05546	-0.035	0.278	0.899
Leucine-rich repeats and immunoglobulin-like dor	Q6UXM1	0.016	0.495	0.974
Thrombospondin-2	P35442	-0.128	0.377	0.734
Thrombospondin-4	P35443	0.477	0.248	0.054
Dickkopf-related protein 4	Q9UBT3	0.304	0.253	0.229
Extracellular matrix protein 1	Q16610	1.119	0.460	0.015
Kallikrein-7	P49862	-0.110	0.111	0.324
Renin	P00797	0.201	0.207	0.331
Tyrosine-protein phosphatase non-receptor type 1	Q06124	-0.196	0.291	0.501
Tryptase beta-2	P20231	-0.002	0.030	0.951
Ubiquitin-fold modifier-conjugating enzyme 1	Q9Y3C8	0.102	0.416	0.807
Tyrosine-protein kinase BTK	Q06187	0.262	0.226	0.246
Calcium/calmodulin-dependent protein kinase typ	Q8IU85	0.309	0.608	0.611
Tumor necrosis factor ligand superfamily member	P32971	0.492	0.315	0.118
Ephrin type-A receptor 1	P21709	-0.059	0.124	0.634
Fibronectin Fragment 4	P02751	0.561	0.522	0.283
Follistatin-related protein 3	O95633	0.153	0.327	0.639
Kallikrein-6	Q92876	-0.249	0.231	0.281
Platelet-derived growth factor receptor beta	P09619	-0.074	0.043	0.083
Brevican core protein	Q96GW7	-0.201	0.222	0.365
E-selectin	P16581	0.052	0.105	0.620

C-C motif chemokine 22	O00626	-0.238	0.243	0.329
C-C motif chemokine 15	Q16663	-0.030	0.133	0.823
Arylsulfatase A	P15289	0.034	0.195	0.864
Calcium/calmodulin-dependent protein kinase typ	Q14012	0.030	0.396	0.939
C-type lectin domain family 7 member A	Q9BXN2	-0.093	0.112	0.409
Dipeptidyl peptidase 2	Q9UHL4	-0.278	0.203	0.171
Endothelin-converting enzyme 1	P42892	-0.275	0.154	0.074
Hepatocyte growth factor activator	Q04756	-0.167	0.056	0.003
Lymphocyte antigen 86	O95711	-0.120	0.242	0.621
Nidogen-2	Q14112	-0.071	0.308	0.817
Oxidized low-density lipoprotein receptor 1	P78380	0.029	0.217	0.893
Tyrosine-protein kinase Tec	P42680	-0.094	0.356	0.791
Complement factor H-related protein 5	Q9BXR6	-0.003	0.200	0.988
Cation-independent mannose-6-phosphate recept	P11717	-0.225	0.177	0.204
Peptide YY	P10082	0.040	0.280	0.886
Tumor necrosis factor receptor superfamily mem	P43489	0.260	0.364	0.474
Angiopoietin-related protein 4	Q9BY76	-0.390	0.559	0.485
Carbonic anhydrase 3	P07451	0.200	0.086	0.020
Endothelial cell-specific molecule 1	Q9NQ30	0.269	0.289	0.353
Tyrosine-protein kinase Fyn	P06241	1.195	0.821	0.145
MAP kinase-activated protein kinase 3	Q16644	-0.438	0.357	0.220
Serine/threonine-protein kinase PAK 6	Q9NQU5	0.031	0.300	0.917
Translationally-controlled tumor protein	P13693	-0.221	0.402	0.583
Importin subunit beta-1	Q14974	0.743	0.373	0.046
N-acetyl-D-glucosamine kinase	Q9UJ70	0.023	0.289	0.936
S-phase kinase-associated protein 1	P63208	0.228	0.608	0.708
Interleukin-6 receptor subunit alpha	P08887	-0.020	0.085	0.817
Plasminogen	P00747	0.327	0.282	0.247
Tenascin	P24821	-0.108	0.060	0.075
72 kDa type IV collagenase	P08253	-0.225	0.371	0.544
14-3-3 protein family	P31946, P62258, P	-0.010	0.269	0.970
6-phosphogluconate dehydrogenase, decarboxylat	P52209	0.421	0.166	0.011
Alcohol dehydrogenase [NADP(+)]	P14550	-0.042	0.102	0.683
Cofilin-1	P23528	-0.383	0.396	0.334
Insulin-like growth factor 1 receptor	P08069	0.856	0.363	0.018
Interleukin-1 receptor-like 1	Q01638	-0.004	0.030	0.906
Prefoldin subunit 5	Q99471	0.119	0.378	0.753
C-reactive protein	P02741	0.003	0.087	0.970
Intercellular adhesion molecule 1	P05362	0.001	0.054	0.992
Growth/differentiation factor 15	Q99988	-0.336	0.190	0.076
Interferon lambda-2	Q8IZJ0	-0.157	0.359	0.663
Hepatocyte growth factor-like protein	P26927	0.046	0.035	0.195
Disintegrin and metalloproteinase domain-contain	O43184	1.099	0.565	0.052
Collectin-11	Q9BWP8	0.010	0.047	0.829
Ectonucleoside triphosphate diphosphohydrolase	O75355	0.264	0.404	0.514

Proprotein convertase subtilisin/kexin type 7	Q16549	-0.132	0.119	0.267
SPARC-like protein 1	Q14515	0.118	0.538	0.827
Plasma protease C1 inhibitor	P05155	-0.084	0.191	0.661
Fibroblast growth factor 7	P21781	0.113	0.395	0.774
Kininogen-1	P01042	-0.142	0.429	0.741
Stem cell growth factor-alpha	Q9Y240	0.211	0.254	0.405
ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase	Q10588	-0.061	0.066	0.359
Cell adhesion molecule-related/down-regulated by	Q4KMG0	0.124	0.189	0.513
Clusterin	P10909	-0.413	0.559	0.460
Alpha-(1,3)-fucosyltransferase 5	Q11128	0.124	0.093	0.183
Kin of IRRE-like protein 3	Q8IZU9	-0.449	0.322	0.164
Plexin-C1	O60486	0.038	0.258	0.883
Pancreatic hormone	P01298	-0.457	0.347	0.188
Lymphotoxin-alpha	P01374	-0.174	0.526	0.741
Trefoil factor 3	Q07654	-0.781	0.377	0.039
Acid sphingomyelinase-like phosphodiesterase 3a	Q92484	-0.031	0.080	0.699
Gelsolin	P06396	0.465	0.445	0.295
Thioredoxin domain-containing protein 12	O95881	-0.034	0.210	0.873
L-Selectin	P14151	0.053	0.173	0.760
Ephrin type-A receptor 2	P29317	-0.414	0.478	0.386
Granulocyte colony-stimulating factor	P09919	0.965	0.417	0.021
BDNF/NT-3 growth factors receptor	Q16620	0.714	0.303	0.018
Angiogenin	P03950	-0.192	0.358	0.592
Coactosin-like protein	Q14019	-0.675	0.511	0.186
Coagulation Factor V	P12259	-0.092	0.180	0.608
Galectin-8	O00214	0.099	0.289	0.732
Glutathione S-transferase P	P09211	0.031	0.090	0.732
C-C motif chemokine 16	O15467	0.084	0.079	0.287
Hemoglobin	P69905, P68871	-0.043	0.037	0.240
Lysozyme C	P61626	-0.437	0.119	0.000
Sex hormone-binding globulin	P04278	0.096	0.147	0.515
40S ribosomal protein SA	P08865	1.260	0.709	0.076
Cerebral dopamine neurotrophic factor	Q49AH0	-0.014	0.232	0.952
Endoplasmic reticulum aminopeptidase 1	Q9NZ08	-0.024	0.046	0.596
Complement component 1 Q subcomponent-bindi	Q07021	-1.891	0.513	0.000
Macrophage-capping protein	P40121	0.311	0.278	0.263
Adapter molecule crk	P46108	0.095	0.387	0.807
S-formylglutathione hydrolase	P10768	-0.033	0.076	0.662
Fibrinogen gamma chain	P02679	0.285	0.147	0.053
Granulins	P28799	-0.737	0.548	0.179
Mammaglobin-B	O75556	-0.221	0.588	0.707
Adenylate kinase isoenzyme 1	P00568	-0.444	0.327	0.175
Platelet-activating factor acetylhydrolase	Q13093	0.204	0.090	0.023
Phosphoglycerate kinase 1	P00558	0.020	0.531	0.970
Tumor necrosis factor-inducible gene 6 protein	P98066	-0.293	0.190	0.122

Programmed cell death 1 ligand 1	Q9NZQ7	-0.244	0.194	0.209
Cytotoxic and regulatory T-cell molecule	O95727	-0.379	0.497	0.445
Interleukin-17 receptor B	Q9NRM6	0.017	0.214	0.938
Leukocyte immunoglobulin-like receptor subfamil	Q8N423	-0.062	0.148	0.677
Protein jagged-1	P78504	0.146	0.365	0.689
Scavenger receptor class F member 1	Q14162	0.014	0.179	0.940
Interleukin-27 receptor subunit alpha	Q6UWB1	0.117	0.096	0.227
Hepatitis A virus cellular receptor 2	Q8TDQ0	-0.132	0.148	0.372
AMP Kinase (alpha2beta2gamma1)	P54646 O43741 P5	0.071	0.446	0.874
Apolipoprotein E (isoform E2)	P02649	-0.019	0.502	0.970
Caspase-10	Q92851	0.262	0.246	0.288
Carboxypeptidase E	P16870	0.826	0.368	0.025
Cytoskeleton-associated protein 2	Q8WWK9	0.009	0.252	0.970
Delta-like protein 1	O00548	0.563	0.360	0.118
Glypican-6	Q9Y625	-0.387	0.397	0.330
Keratin, type I cytoskeletal 18	P05783	0.114	0.123	0.357
Semaphorin-3E	O15041	0.003	0.047	0.954
Leptin receptor	P48357	-0.041	0.051	0.415
Collectin-12	Q5KU26	0.667	0.500	0.182
Growth factor receptor-bound protein 2	P62993	0.172	0.359	0.631
Heat shock protein HSP 90-beta	P08238	0.174	0.376	0.644
Glutamate carboxypeptidase 2	Q04609	0.737	0.214	0.001
Intercellular adhesion molecule 2	P13598	0.107	0.636	0.866
SLAM family member 7	Q9NQ25	0.201	0.084	0.017
Testican-2	Q92563	-0.100	0.185	0.588
Neuropilin-1	O14786	-0.035	0.408	0.932
14-3-3 protein zeta/delta	P63104	-0.012	0.322	0.970
Fructose-bisphosphate aldolase A	P04075	-0.207	0.378	0.583
Proteasome activator complex subunit 1	Q06323	0.006	0.175	0.970
Netrin-1	O95631	-0.054	0.265	0.840
Tropomyosin alpha-4 chain	P67936	-0.396	0.345	0.251
R-spondin-4	Q2I0M5	-0.610	0.411	0.137
Cathepsin H	P09668	0.009	0.061	0.881
Tyrosine-protein kinase transmembrane receptor I	Q01973	-0.659	0.375	0.079
Stromelysin-2	P09238	-0.379	0.237	0.110
Small ubiquitin-related modifier 3	P55854	0.081	0.331	0.807
Neutrophil collagenase	P22894	0.120	0.090	0.183
Protein FAM3B	P58499	0.002	0.049	0.969
Interferon alpha/beta receptor 1	P17181	-0.197	0.139	0.155
Galectin-9	O00182	-0.039	0.390	0.920
Ubiquitin-conjugating enzyme E2 G2	P60604	0.021	0.578	0.970

or	or_lci95	or_uci95
1.007	0.181	5.591
0.634	0.377	1.064
0.996	0.496	1.998
0.947	0.826	1.086
0.837	0.363	1.928
1.008	0.952	1.066
0.988	0.283	3.450
0.812	0.600	1.098
0.347	0.091	1.328
1.462	0.724	2.955
1.054	0.457	2.433
1.458	0.420	5.061
1.255	0.926	1.700
1.418	0.492	4.087
1.249	0.704	2.218
0.836	0.327	2.141
0.948	0.332	2.704
2.037	0.915	4.535
1.297	0.616	2.732
1.690	0.798	3.582
0.807	0.424	1.534
0.674	0.316	1.433
0.671	0.192	2.339
0.980	0.807	1.190
3.360	1.003	11.257
1.134	0.831	1.549
0.969	0.193	4.869
0.711	0.334	1.514
0.596	0.272	1.308
1.211	0.592	2.474
0.629	0.349	1.132
4.034	1.632	9.975
0.568	0.307	1.050
1.345	0.857	2.113
1.111	0.949	1.301
0.510	0.258	1.007
1.207	0.754	1.933
3.403	0.720	16.075
1.160	0.543	2.478
0.713	0.193	2.636
0.930	0.726	1.190
1.111	0.517	2.389

1.155	0.702	1.899
0.678	0.276	1.662
1.740	0.772	3.923
0.593	0.358	0.984
1.689	0.468	6.099
0.766	0.230	2.553
0.964	0.528	1.759
1.518	1.097	2.101
0.408	0.174	0.960
1.160	0.750	1.792
0.416	0.164	1.054
1.925	1.007	3.682
0.988	0.724	1.348
0.382	0.128	1.143
0.557	0.247	1.258
1.238	0.775	1.978
2.855	0.755	10.801
0.956	0.411	2.221
0.995	0.972	1.019
0.285	0.073	1.114
1.033	0.576	1.854
1.052	0.733	1.509
1.254	0.813	1.934
0.875	0.622	1.232
1.025	0.982	1.070
1.303	0.776	2.188
1.021	0.616	1.693
1.102	0.827	1.469
1.018	0.665	1.559
1.083	0.740	1.586
0.907	0.744	1.104
0.751	0.373	1.514
0.952	0.454	1.998
1.899	0.829	4.347
0.960	0.734	1.254
0.884	0.617	1.265
1.142	0.980	1.332
1.078	0.932	1.248
0.167	0.042	0.672
1.143	0.877	1.489
0.847	0.466	1.537
0.925	0.748	1.145
0.791	0.252	2.485
0.999	0.781	1.277
1.184	0.811	1.728

1.451	0.963	2.186
1.067	0.368	3.097
1.022	0.794	1.314
0.331	0.105	1.046
2.916	1.250	6.804
0.691	0.204	2.341
0.902	0.325	2.500
0.224	0.055	0.918
0.582	0.196	1.723
0.648	0.321	1.308
1.122	0.546	2.306
3.472	0.946	12.746
1.273	0.713	2.273
0.933	0.397	2.192
2.211	0.690	7.080
5.205	0.872	31.068
1.057	0.427	2.620
0.957	0.671	1.366
1.337	0.266	6.716
1.042	0.341	3.180
0.966	0.509	1.833
1.455	1.011	2.094
0.956	0.844	1.083
0.834	0.628	1.107
0.946	0.476	1.879
1.553	1.060	2.276
0.745	0.435	1.278
0.517	0.169	1.579
1.007	0.721	1.405
1.664	0.936	2.960
0.805	0.511	1.270
0.925	0.788	1.085
1.572	0.798	3.097
1.300	0.549	3.080
0.900	0.492	1.646
0.494	0.174	1.402
1.301	0.792	2.138
1.074	0.487	2.367
1.847	0.604	5.651
0.363	0.073	1.792
1.243	0.970	1.592
1.224	0.542	2.769
0.832	0.299	2.318
1.541	0.608	3.904
0.780	0.254	2.391

2.444	0.850	7.027
0.388	0.170	0.885
0.908	0.146	5.650
0.818	0.644	1.038
1.402	0.634	3.102
0.933	0.784	1.111
0.721	0.254	2.045
1.778	0.857	3.690
0.503	0.304	0.830
1.199	0.907	1.586
2.415	0.712	8.187
1.021	0.937	1.112
0.700	0.169	2.905
0.858	0.325	2.267
0.830	0.655	1.051
0.920	0.790	1.070
1.275	0.734	2.214
0.777	0.282	2.137
0.780	0.707	0.862
1.748	0.359	8.512
1.126	0.962	1.317
1.621	0.493	5.324
1.408	1.004	1.975
2.484	0.557	11.085
0.479	0.280	0.817
0.720	0.234	2.220
0.466	0.139	1.560
0.566	0.257	1.250
1.099	0.912	1.324
1.556	0.901	2.688
0.644	0.130	3.179
1.028	0.774	1.366
1.865	0.649	5.359
1.213	0.403	3.650
0.391	0.089	1.727
1.680	0.566	4.985
1.067	0.851	1.339
1.783	0.492	6.456
1.066	0.574	1.979
1.129	0.694	1.838
2.849	0.754	10.762
2.001	0.502	7.977
2.086	0.754	5.777
2.764	0.869	8.789
0.506	0.113	2.273

0.831	0.501	1.377
1.219	0.397	3.742
0.952	0.738	1.227
1.186	0.935	1.503
0.997	0.900	1.103
1.378	0.988	1.921
0.700	0.455	1.078
0.069	0.007	0.629
1.285	0.639	2.586
1.044	0.920	1.186
1.509	0.364	6.257
0.881	0.394	1.969
2.092	0.708	6.178
1.016	0.817	1.265
1.073	0.704	1.634
25.296	2.482	257.863
0.960	0.308	2.993
1.046	0.809	1.351
0.321	0.076	1.356
0.763	0.444	1.311
1.175	0.675	2.045
0.831	0.189	3.653
1.165	0.623	2.180
0.764	0.475	1.230
1.160	0.393	3.421
0.940	0.537	1.644
0.818	0.537	1.248
2.928	0.750	11.434
1.254	0.628	2.507
0.726	0.258	2.045
0.582	0.294	1.156
0.712	0.260	1.951
0.931	0.304	2.853
1.082	0.762	1.536
0.918	0.796	1.059
1.030	0.891	1.191
0.736	0.184	2.937
1.072	0.344	3.337
0.662	0.182	2.407
3.824	0.605	24.166
3.923	0.663	23.205
1.066	0.822	1.383
0.937	0.554	1.584
0.359	0.115	1.123
1.993	0.831	4.779

0.792	0.276	2.269
0.688	0.428	1.106
1.337	0.624	2.865
0.824	0.254	2.678
0.988	0.803	1.216
0.944	0.254	3.514
1.406	0.708	2.790
1.880	0.745	4.746
1.020	0.794	1.312
0.960	0.834	1.105
0.739	0.486	1.124
0.602	0.188	1.929
0.290	0.060	1.393
0.510	0.078	3.348
1.540	0.880	2.694
0.837	0.398	1.762
1.030	0.886	1.197
1.575	0.631	3.936
1.466	0.346	6.206
1.048	0.984	1.116
0.772	0.195	3.050
0.821	0.591	1.140
1.266	0.650	2.468
0.411	0.092	1.841
1.718	0.787	3.752
1.408	0.554	3.579
1.117	0.290	4.309
1.102	0.801	1.515
0.799	0.288	2.214
0.962	0.513	1.804
0.833	0.270	2.572
1.158	0.429	3.128
2.146	0.633	7.272
0.950	0.400	2.258
0.916	0.415	2.022
1.095	0.465	2.580
1.207	0.603	2.418
1.370	0.564	3.327
0.436	0.146	1.299
1.040	0.847	1.277
1.647	0.488	5.558
1.145	0.816	1.606
0.460	0.089	2.383
1.833	0.813	4.134
1.461	0.626	3.410

0.934	0.433	2.016
0.814	0.291	2.275
0.677	0.351	1.306
2.511	0.939	6.715
0.888	0.677	1.164
0.897	0.459	1.755
1.154	0.703	1.893
1.090	0.928	1.280
0.761	0.361	1.606
0.879	0.533	1.452
2.800	0.494	15.878
0.776	0.342	1.760
1.005	0.252	4.003
0.882	0.707	1.101
1.761	0.760	4.084
0.952	0.549	1.651
0.755	0.287	1.986
0.713	0.292	1.744
0.925	0.536	1.596
3.666	1.077	12.482
1.155	0.308	4.326
0.843	0.445	1.596
1.093	0.786	1.521
1.154	0.475	2.802
1.012	0.636	1.612
1.730	0.727	4.117
1.976	0.978	3.991
1.056	0.779	1.432
1.092	0.346	3.446
1.461	0.478	4.463
1.000	0.596	1.678
2.416	0.546	10.688
0.354	0.082	1.527
1.445	0.592	3.527
0.994	0.969	1.019
2.962	0.745	11.776
0.590	0.325	1.074
0.905	0.667	1.229
1.498	0.952	2.357
0.657	0.419	1.032
1.034	0.754	1.418
1.018	0.971	1.067
0.779	0.444	1.368
0.820	0.475	1.416
0.762	0.563	1.032

1.089	0.711	1.667
0.726	0.478	1.102
1.156	0.929	1.439
0.996	0.511	1.942
0.824	0.426	1.593
1.199	0.481	2.986
0.347	0.124	0.973
0.793	0.597	1.052
1.173	0.785	1.752
1.024	0.865	1.211
1.134	0.954	1.347
1.554	0.373	6.482
0.983	0.739	1.307
0.854	0.293	2.488
1.331	0.713	2.486
0.981	0.780	1.233
0.555	0.159	1.944
1.094	0.864	1.385
1.167	0.797	1.708
0.958	0.613	1.496
0.828	0.272	2.517
1.318	1.012	1.717
3.159	1.023	9.750
1.740	0.707	4.281
1.984	0.560	7.027
0.815	0.354	1.875
0.385	0.087	1.714
0.717	0.220	2.334
1.098	0.515	2.342
0.977	0.450	2.123
1.452	0.350	6.031
1.028	0.715	1.480
0.998	0.534	1.864
1.044	0.427	2.552
0.940	0.861	1.026
0.616	0.171	2.218
0.951	0.486	1.864
5.494	0.768	39.294
0.784	0.299	2.059
0.886	0.590	1.331
1.590	0.319	7.932
0.570	0.209	1.552
1.322	0.671	2.605
1.144	0.748	1.749
1.095	0.959	1.250

0.825	0.405	1.679
1.363	0.645	2.878
1.092	0.722	1.652
1.049	0.586	1.877
0.800	0.234	2.733
0.966	0.685	1.363
1.151	0.631	2.098
1.524	0.949	2.447
0.984	0.832	1.163
2.409	1.137	5.103
1.338	0.517	3.466
0.767	0.391	1.504
1.446	0.476	4.393
0.826	0.463	1.474
0.822	0.474	1.426
2.246	0.942	5.352
1.067	0.328	3.469
0.456	0.084	2.472
0.879	0.679	1.136
0.369	0.149	0.913
4.564	0.421	49.435
0.993	0.335	2.944
2.365	0.873	6.406
1.144	0.335	3.906
0.548	0.171	1.756
1.320	0.537	3.241
0.571	0.086	3.799
0.970	0.746	1.262
1.551	0.653	3.684
0.939	0.778	1.133
1.253	0.396	3.964
1.623	0.718	3.669
0.906	0.531	1.545
0.722	0.526	0.991
1.557	0.433	5.601
0.460	0.150	1.403
0.916	0.834	1.006
1.460	0.459	4.648
1.149	0.364	3.628
0.855	0.656	1.114
0.926	0.783	1.095
1.547	0.874	2.739
0.836	0.276	2.533
0.949	0.848	1.062
0.761	0.132	4.377

1.052	0.908	1.218
0.891	0.258	3.072
0.884	0.608	1.286
1.081	0.204	5.735
0.616	0.341	1.114
2.044	0.605	6.905
0.891	0.232	3.420
1.446	0.488	4.279
1.012	0.825	1.242
0.770	0.428	1.387
1.434	0.255	8.060
1.350	1.016	1.793
0.533	0.170	1.671
0.795	0.336	1.884
1.555	0.515	4.699
0.867	0.166	4.527
0.220	0.068	0.712
0.979	0.762	1.258
0.645	0.168	2.482
0.820	0.414	1.626
0.962	0.566	1.636
1.131	0.260	4.927
2.392	0.593	9.652
0.523	0.206	1.327
1.383	0.468	4.089
1.684	0.360	7.870
0.823	0.476	1.422
1.995	0.837	4.752
0.767	0.580	1.014
0.896	0.699	1.149
1.069	0.957	1.193
1.275	0.885	1.837
1.256	0.792	1.992
0.393	0.049	3.167
1.311	0.640	2.688
1.001	0.871	1.151
0.870	0.180	4.191
1.206	0.500	2.909
0.322	0.066	1.587
0.638	0.194	2.098
0.877	0.693	1.109
0.858	0.544	1.351
0.248	0.064	0.964
0.316	0.049	2.024
0.757	0.275	2.081

1.018	0.772	1.342
0.385	0.077	1.925
1.358	0.754	2.447
1.015	0.555	1.854
0.524	0.113	2.425
0.943	0.504	1.767
0.848	0.536	1.343
2.224	0.678	7.293
1.871	1.108	3.158
1.179	0.893	1.557
1.321	0.840	2.077
1.183	0.300	4.654
2.467	0.538	11.311
0.618	0.285	1.339
0.915	0.291	2.875
0.635	0.295	1.366
0.676	0.226	2.024
2.811	0.802	9.855
1.138	0.772	1.678
0.996	0.858	1.155
0.992	0.849	1.160
0.386	0.089	1.679
0.817	0.250	2.675
0.424	0.137	1.310
0.521	0.088	3.086
1.100	0.630	1.922
1.544	0.212	11.267
0.920	0.714	1.187
0.717	0.405	1.269
4.858	1.378	17.122
0.494	0.037	6.581
1.786	0.672	4.746
1.134	0.358	3.598
0.730	0.430	1.241
0.697	0.310	1.570
1.135	0.336	3.834
0.617	0.173	2.203
0.873	0.726	1.051
1.328	0.421	4.189
0.724	0.352	1.490
0.681	0.246	1.885
1.065	0.808	1.403
1.034	0.890	1.202
0.905	0.591	1.385
0.165	0.049	0.549

0.353	0.061	2.041
1.479	0.456	4.800
0.693	0.459	1.045
0.781	0.485	1.257
1.063	0.968	1.169
1.460	0.803	2.654
1.837	0.675	4.998
0.986	0.948	1.025
1.456	0.648	3.270
0.939	0.765	1.153
0.584	0.236	1.442
0.744	0.460	1.204
1.449	0.830	2.530
0.690	0.295	1.614
1.273	1.039	1.559
1.376	0.650	2.911
1.004	0.675	1.495
1.226	0.650	2.311
1.164	0.669	2.024
1.227	0.737	2.044
0.851	0.495	1.464
1.483	0.944	2.330
1.553	0.902	2.676
0.979	0.859	1.116
0.950	0.464	1.945
1.031	0.831	1.280
0.851	0.303	2.388
0.709	0.422	1.192
1.076	0.625	1.851
0.914	0.561	1.488
0.790	0.532	1.174
0.549	0.291	1.034
1.168	0.763	1.788
0.678	0.460	0.999
0.948	0.857	1.048
0.727	0.462	1.145
1.388	0.998	1.930
1.864	0.655	5.307
0.872	0.519	1.466
1.000	0.404	2.474
0.971	0.815	1.158
1.304	0.790	2.151
0.910	0.640	1.294
4.512	2.439	8.346
1.559	0.888	2.739

1.267	0.899	1.786
0.723	0.320	1.630
0.614	0.266	1.421
1.236	0.809	1.889
0.829	0.664	1.035
1.428	0.792	2.574
0.746	0.553	1.005
0.478	0.302	0.756
1.119	0.542	2.307
0.755	0.543	1.050
1.705	0.696	4.179
0.860	0.483	1.530
0.994	0.978	1.010
0.491	0.200	1.207
0.881	0.598	1.298
1.269	1.019	1.579
1.145	0.851	1.541
0.976	0.797	1.196
0.995	0.967	1.025
0.907	0.635	1.296
0.822	0.584	1.158
1.031	0.854	1.244
0.994	0.742	1.332
0.932	0.719	1.210
0.927	0.807	1.065
0.878	0.578	1.334
1.806	1.225	2.663
0.969	0.542	1.731
0.731	0.302	1.772
0.828	0.686	1.001
0.908	0.707	1.167
1.058	0.949	1.179
1.346	0.516	3.510
1.018	0.845	1.227
1.138	0.758	1.710
1.065	0.920	1.233
1.103	0.507	2.399
0.968	0.755	1.242
1.042	0.786	1.380
0.883	0.484	1.610
0.950	0.801	1.127
1.116	0.583	2.140
0.661	0.369	1.184
0.515	0.224	1.181
0.831	0.469	1.471

1.027	0.386	2.729
1.768	0.851	3.677
0.706	0.437	1.141
0.924	0.563	1.516
0.285	0.116	0.703
0.677	0.454	1.008
0.711	0.402	1.260
1.889	0.843	4.232
1.080	0.678	1.720
0.648	0.189	2.225
1.563	0.854	2.862
0.992	0.785	1.253
1.072	0.385	2.983
0.891	0.575	1.381
1.005	0.923	1.095
1.751	1.111	2.760
0.929	0.709	1.217
0.738	0.480	1.135
1.095	0.507	2.364
0.957	0.770	1.190
1.089	0.732	1.622
0.726	0.537	0.982
1.154	0.721	1.847
2.717	1.357	5.440
1.013	0.673	1.526
2.077	1.027	4.198
1.021	0.621	1.680
1.055	0.765	1.456
1.077	0.615	1.886
1.203	0.402	3.598
1.048	0.886	1.239
1.584	0.894	2.807
0.806	0.177	3.679
1.566	0.768	3.194
0.955	0.544	1.676
0.636	0.291	1.387
0.588	0.286	1.208
1.079	0.609	1.912
1.508	0.435	5.227
1.082	0.916	1.278
0.983	0.572	1.691
1.077	0.958	1.210
0.729	0.354	1.501
1.340	0.819	2.192
0.949	0.686	1.314

0.863	0.720	1.034
0.629	0.287	1.378
0.995	0.937	1.055
0.995	0.461	2.148
0.909	0.776	1.067
1.016	0.914	1.129
1.214	0.796	1.850
0.777	0.384	1.572
0.931	0.867	0.999
0.670	0.224	2.002
1.075	0.978	1.180
0.701	0.317	1.549
1.009	0.798	1.276
1.141	0.409	3.184
1.550	1.066	2.254
0.785	0.362	1.701
1.239	0.538	2.854
1.096	0.963	1.246
1.005	0.700	1.445
1.454	0.461	4.587
1.134	0.893	1.440
0.873	0.461	1.655
1.017	0.504	2.052
1.301	0.467	3.626
0.741	0.344	1.595
1.072	0.916	1.254
1.761	0.666	4.655
0.656	0.433	0.996
0.907	0.648	1.269
0.369	0.146	0.933
1.434	0.656	3.132
0.679	0.353	1.307
0.718	0.352	1.463
0.770	0.282	2.104
0.927	0.623	1.378
0.640	0.330	1.243
1.011	0.848	1.205
0.906	0.753	1.091
0.933	0.870	1.001
0.838	0.667	1.052
1.014	0.757	1.358
0.404	0.061	2.654
0.849	0.527	1.367
1.008	0.923	1.101
0.764	0.280	2.089

1.406	0.807	2.451
1.807	0.853	3.827
0.986	0.846	1.149
1.161	0.867	1.554
0.662	0.206	2.125
1.945	0.611	6.194
0.815	0.441	1.507
1.034	0.868	1.233
0.561	0.213	1.481
1.250	0.869	1.800
0.954	0.654	1.389
0.533	0.196	1.453
0.785	0.535	1.152
1.123	0.844	1.494
1.455	0.717	2.950
0.717	0.490	1.049
0.906	0.745	1.102
1.183	0.884	1.584
1.727	0.690	4.325
1.018	0.631	1.642
0.776	0.377	1.598
0.760	0.479	1.205
1.150	0.568	2.331
1.064	0.498	2.270
0.739	0.580	0.941
0.992	0.904	1.089
0.966	0.873	1.069
0.953	0.370	2.454
0.875	0.461	1.661
1.145	0.784	1.672
0.461	0.134	1.583
0.996	0.848	1.170
1.437	0.999	2.065
1.446	0.655	3.192
1.420	0.788	2.560
0.653	0.314	1.360
0.827	0.600	1.138
0.978	0.585	1.634
0.698	0.287	1.694
0.970	0.835	1.128
0.992	0.468	2.103
0.926	0.591	1.452
1.659	0.873	3.151
0.929	0.774	1.115
0.994	0.904	1.093

0.828	0.629	1.088
0.939	0.381	2.316
0.533	0.185	1.534
0.791	0.456	1.371
0.927	0.785	1.094
0.876	0.706	1.087
1.018	0.974	1.065
1.133	0.799	1.605
1.066	0.815	1.393
0.612	0.410	0.913
0.996	0.978	1.014
0.779	0.522	1.162
0.976	0.886	1.076
1.063	0.902	1.254
0.982	0.629	1.532
1.312	1.045	1.648
1.058	0.805	1.389
1.216	0.815	1.814
1.062	0.967	1.166
0.734	0.543	0.994
1.103	0.918	1.327
0.832	0.605	1.144
1.388	1.041	1.852
1.203	0.871	1.662
1.244	0.962	1.608
0.989	0.787	1.244
0.968	0.750	1.250
1.036	0.845	1.271
1.002	0.782	1.285
0.864	0.638	1.170
0.923	0.870	0.979
1.146	0.834	1.577
1.055	0.956	1.163
1.163	0.742	1.823
1.284	1.023	1.610
1.129	0.881	1.447
1.041	0.834	1.300
1.031	0.817	1.302
0.992	0.816	1.206
1.597	1.195	2.133
0.960	0.900	1.023
1.021	0.840	1.241
0.974	0.849	1.116
1.000	0.955	1.048
0.863	0.698	1.066

1.129	0.972	1.311
1.021	0.610	1.709
1.016	0.803	1.287
1.111	0.743	1.659
0.988	0.926	1.056
0.920	0.727	1.164
0.931	0.795	1.090
0.762	0.575	1.011
1.122	0.864	1.458
0.832	0.709	0.975
1.261	0.891	1.786
0.823	0.562	1.206
0.929	0.770	1.121
0.992	0.900	1.093
1.077	0.831	1.397
0.965	0.841	1.107
0.972	0.791	1.195
1.013	0.929	1.105
0.768	0.554	1.063
1.025	0.829	1.268
1.034	0.889	1.204
1.018	0.655	1.583
1.216	0.789	1.874
1.089	0.834	1.423
1.007	0.999	1.014
1.449	0.971	2.161
1.221	1.030	1.446
1.124	1.028	1.230
0.952	0.829	1.093
1.008	0.888	1.144
1.053	0.961	1.153
1.010	0.997	1.024
1.082	0.920	1.272
0.790	0.674	0.927
1.024	0.901	1.164
1.131	1.002	1.275
0.953	0.895	1.016
0.911	0.748	1.108
0.947	0.785	1.142
0.866	0.665	1.129
0.730	0.523	1.018
1.021	0.937	1.112
1.024	0.911	1.150
1.010	0.962	1.060
0.985	0.938	1.034

0.746	0.494	1.129
1.122	1.032	1.220
1.127	0.851	1.494
1.113	0.928	1.334
1.049	0.981	1.122
0.876	0.612	1.255
0.989	0.932	1.049
1.049	0.938	1.173
0.881	0.775	1.001
1.112	0.815	1.519
1.064	0.985	1.149
0.952	0.683	1.328
1.105	0.848	1.440
0.619	0.435	0.880
1.141	0.791	1.647
1.094	0.856	1.399
0.959	0.625	1.471
1.119	0.791	1.582
1.054	0.844	1.318
1.005	0.798	1.265
1.299	0.855	1.972
1.019	0.929	1.117
0.955	0.801	1.139
0.836	0.645	1.085
1.019	0.993	1.046
1.180	0.812	1.715
1.197	0.993	1.443
1.683	0.958	2.958
1.096	0.826	1.455
1.074	0.953	1.209
0.827	0.517	1.324
0.694	0.517	0.932
1.067	0.872	1.307
0.912	0.813	1.024
1.016	0.978	1.056
0.943	0.860	1.034
0.973	0.786	1.204
0.941	0.834	1.062
0.846	0.713	1.004
1.231	0.863	1.755
1.024	0.927	1.132
1.056	0.920	1.212
1.048	0.996	1.102
1.016	0.818	1.263
1.204	0.915	1.584

1.247	1.024	1.519
0.748	0.540	1.038
0.993	0.846	1.167
0.955	0.818	1.115
0.819	0.633	1.059
1.302	0.811	2.090
1.014	0.941	1.094
1.020	0.786	1.324
0.563	0.281	1.127
1.069	0.778	1.470
1.211	0.913	1.607
0.834	0.585	1.190
1.044	0.743	1.467
1.121	0.861	1.458
1.333	0.770	2.307
1.044	0.966	1.127
0.983	0.760	1.272
1.042	0.743	1.461
1.010	0.793	1.287
0.885	0.757	1.034
0.971	0.886	1.064
1.003	0.718	1.400
0.993	0.966	1.020
1.290	0.932	1.785
0.830	0.606	1.137
0.997	0.922	1.078
1.087	1.034	1.142
0.902	0.762	1.067
1.105	0.800	1.525
0.968	0.937	1.000
1.676	1.004	2.795
1.029	0.988	1.072
0.902	0.627	1.298
1.003	0.899	1.120
1.607	0.995	2.596
1.397	1.178	1.658
0.746	0.521	1.069
1.156	0.781	1.710
1.024	0.833	1.260
0.991	0.934	1.051
0.962	0.812	1.140
0.891	0.534	1.487
1.012	0.930	1.101
1.321	0.984	1.774
1.063	0.872	1.296

1.137	0.831	1.554
1.195	0.738	1.933
1.002	0.707	1.419
1.052	0.978	1.132
0.767	0.525	1.120
1.168	0.957	1.426
1.103	0.945	1.286
0.629	0.410	0.965
1.070	0.723	1.583
1.002	0.759	1.324
0.895	0.650	1.233
1.232	0.780	1.946
0.958	0.812	1.130
0.818	0.635	1.054
0.936	0.863	1.014
1.030	0.961	1.104
0.992	0.959	1.026
1.089	0.978	1.211
1.124	0.981	1.288
1.212	0.677	2.168
0.926	0.746	1.151
1.001	0.962	1.042
0.814	0.518	1.278
0.988	0.762	1.282
0.849	0.638	1.129
1.166	0.824	1.652
0.937	0.875	1.003
0.936	0.820	1.069
0.660	0.426	1.023
1.063	0.649	1.739
1.033	0.771	1.386
1.043	0.962	1.130
0.981	0.608	1.581
0.965	0.812	1.147
1.066	0.896	1.269
0.788	0.509	1.221
1.119	0.932	1.343
0.973	0.856	1.106
0.889	0.637	1.240
0.939	0.802	1.100
0.977	0.900	1.060
1.012	0.886	1.156
0.830	0.573	1.202
1.150	0.795	1.662
1.019	0.649	1.600

0.907	0.723	1.137
0.989	0.707	1.383
0.991	0.789	1.243
1.150	0.833	1.587
1.747	1.208	2.526
1.039	0.927	1.165
0.959	0.919	1.002
1.021	0.975	1.069
1.229	0.800	1.889
1.120	0.804	1.561
0.860	0.629	1.176
0.910	0.563	1.470
1.073	0.913	1.262
0.631	0.353	1.128
1.067	0.992	1.148
1.132	0.959	1.337
0.901	0.625	1.299
1.588	0.808	3.121
1.012	0.757	1.352
0.843	0.604	1.178
0.994	0.849	1.163
0.983	0.775	1.247
0.892	0.656	1.213
0.997	0.690	1.440
0.995	0.943	1.050
0.937	0.673	1.304
1.122	0.912	1.380
1.141	0.847	1.536
1.094	1.012	1.183
1.002	0.956	1.049
0.981	0.867	1.111
0.958	0.677	1.355
0.979	0.582	1.647
0.280	0.093	0.842
0.799	0.578	1.106
0.914	0.586	1.425
0.965	0.884	1.054
1.245	0.729	2.127
1.195	0.537	2.661
1.028	0.992	1.067
1.078	0.488	2.383
1.169	0.959	1.425
1.328	0.896	1.966
1.639	0.673	3.991
0.617	0.391	0.973

0.573	0.336	0.980
0.616	0.278	1.363
0.928	0.770	1.118
1.117	0.594	2.101
1.181	0.817	1.708
1.038	0.529	2.034
1.042	0.570	1.904
1.117	0.675	1.847
0.702	0.442	1.116
0.886	0.538	1.458
1.078	0.717	1.622
0.950	0.575	1.570
0.749	0.382	1.468
1.046	0.927	1.180
0.462	0.236	0.906
0.978	0.804	1.189
1.840	0.697	4.856
1.052	0.667	1.661
1.180	0.722	1.927
1.062	0.678	1.664
0.559	0.331	0.944
1.242	0.841	1.834
0.985	0.552	1.758
1.255	1.098	1.435
1.037	0.702	1.532
1.056	0.800	1.395
0.901	0.822	0.988
0.982	0.627	1.538
0.850	0.632	1.143
0.564	0.202	1.580
0.461	0.292	0.728
1.930	0.857	4.350
1.051	0.919	1.201
0.582	0.362	0.936
1.467	1.060	2.031
3.265	1.846	5.774
1.198	0.710	2.020
1.002	0.726	1.383
1.373	0.660	2.857
0.789	0.364	1.708
1.371	0.971	1.935
1.162	0.959	1.407
1.034	0.615	1.737
1.266	0.965	1.661
1.484	0.897	2.455

0.928	0.617	1.396
0.877	0.739	1.041
0.730	0.371	1.437
0.800	0.500	1.281
0.794	0.586	1.076
0.613	0.254	1.480
1.002	0.399	2.516
0.808	0.465	1.405
1.002	0.987	1.017
0.863	0.380	1.963
0.868	0.611	1.231
1.065	0.879	1.291
0.870	0.657	1.152
0.906	0.709	1.157
0.946	0.789	1.135
0.986	0.959	1.014
1.119	0.807	1.552
0.761	0.550	1.052
0.873	0.728	1.046
1.072	0.834	1.378
1.194	0.936	1.523
0.895	0.788	1.016
1.333	0.900	1.973
1.517	1.062	2.166
0.633	0.373	1.075
0.888	0.434	1.818
1.196	1.013	1.412
0.881	0.695	1.116
0.985	0.892	1.087
0.698	0.300	1.626
0.806	0.683	0.952
1.126	0.585	2.170
1.700	1.178	2.453
0.915	0.799	1.047
0.504	0.241	1.050
1.026	0.907	1.160
0.835	0.668	1.044
1.620	1.251	2.098
0.915	0.496	1.687
0.846	0.727	0.985
0.517	0.261	1.025
0.681	0.403	1.151
0.422	0.188	0.945
0.995	0.602	1.643
0.622	0.254	1.528

2.028	1.022	4.021
1.564	1.002	2.442
0.965	0.612	1.521
1.687	0.739	3.853
1.121	0.915	1.374
1.154	0.794	1.677
0.853	0.504	1.444
1.037	0.984	1.094
1.295	0.613	2.737
1.438	0.944	2.191
0.831	0.272	2.539
0.818	0.465	1.442
0.888	0.705	1.119
1.422	0.551	3.667
0.694	0.388	1.242
0.850	0.559	1.295
1.020	0.944	1.102
0.724	0.484	1.082
1.065	0.887	1.278
1.019	0.658	1.577
1.286	1.011	1.635
0.851	0.601	1.205
1.015	0.495	2.081
1.048	0.853	1.288
1.009	0.707	1.440
0.864	0.654	1.142
0.920	0.832	1.017
1.257	0.807	1.957
1.167	0.667	2.043
0.790	0.531	1.175
1.085	0.568	2.076
1.094	0.773	1.548
1.134	0.815	1.576
0.977	0.587	1.627
1.492	0.761	2.922
0.500	0.183	1.367
0.851	0.729	0.993
1.762	1.046	2.968
3.532	0.790	15.798
0.603	0.317	1.149
1.176	0.662	2.088
0.802	0.391	1.645
1.416	0.716	2.797
1.012	0.601	1.703
0.296	0.100	0.881

0.811	0.695	0.946
0.975	0.586	1.623
0.933	0.835	1.043
0.805	0.412	1.575
0.764	0.471	1.240
1.024	0.766	1.368
1.072	0.892	1.288
1.181	0.570	2.448
1.377	0.724	2.617
0.966	0.914	1.020
1.656	0.845	3.246
1.091	0.933	1.276
1.100	0.997	1.213
0.855	0.608	1.203
0.669	0.349	1.284
1.094	1.025	1.166
1.770	0.636	4.927
1.016	0.934	1.106
0.545	0.263	1.129
0.801	0.646	0.993
0.289	0.107	0.775
2.178	1.547	3.067
1.192	0.585	2.430
0.771	0.352	1.687
0.805	0.510	1.272
1.009	0.896	1.137
0.865	0.614	1.219
0.757	0.281	2.043
0.930	0.789	1.096
1.131	0.625	2.045
0.950	0.584	1.545
0.734	0.394	1.366
0.726	0.277	1.900
1.989	1.026	3.856
1.080	0.933	1.251
0.545	0.244	1.216
1.289	0.874	1.901
1.059	0.774	1.450
1.635	0.694	3.850
0.637	0.280	1.452
1.306	0.764	2.231
1.057	0.549	2.036
1.383	0.557	3.436
1.446	1.056	1.979
0.776	0.463	1.303

1.050	0.890	1.237
0.959	0.831	1.106
0.982	0.921	1.047
0.974	0.787	1.205
0.866	0.661	1.135
1.136	0.336	3.840
1.191	0.786	1.804
0.982	0.904	1.066
2.990	1.180	7.578
1.742	1.035	2.931
1.272	0.634	2.552
0.986	0.860	1.131
0.950	0.725	1.244
0.855	0.333	2.197
1.180	0.409	3.409
0.632	0.346	1.153
1.222	1.039	1.438
1.700	0.654	4.420
1.272	0.900	1.797
0.805	0.566	1.145
2.198	0.895	5.401
0.921	0.619	1.369
0.919	0.704	1.201
0.466	0.238	0.910
0.736	0.537	1.009
1.082	0.905	1.292
1.006	0.771	1.312
1.033	0.459	2.327
0.605	0.245	1.494
1.782	1.143	2.779
1.918	0.987	3.724
1.287	0.817	2.028
1.273	0.668	2.425
0.617	0.299	1.274
0.955	0.762	1.197
0.987	0.905	1.077
1.026	0.936	1.125
1.151	0.483	2.743
0.909	0.474	1.746
0.742	0.370	1.487
1.319	0.927	1.878
2.774	0.869	8.852
0.998	0.856	1.164
1.254	0.896	1.755
3.664	1.762	7.618

0.725	0.406	1.294
0.813	0.414	1.597
1.191	0.869	1.631
0.748	0.463	1.209
0.518	0.278	0.967
0.951	0.456	1.983
1.095	0.981	1.224
0.561	0.283	1.110
0.778	0.505	1.198
1.229	0.677	2.228
0.906	0.772	1.064
1.061	0.970	1.161
0.962	0.752	1.231
1.276	0.632	2.576
1.783	0.630	5.047
0.962	0.293	3.161
1.149	0.805	1.640
1.275	0.792	2.053
1.072	0.974	1.179
0.867	0.486	1.547
1.647	0.696	3.896
1.025	0.984	1.066
0.769	0.323	1.829
1.097	0.885	1.359
0.794	0.519	1.214
1.018	0.387	2.683
1.156	0.707	1.890
0.932	0.525	1.653
1.175	0.497	2.781
1.070	0.875	1.308
0.629	0.315	1.255
0.790	0.531	1.177
1.122	0.542	2.322
0.989	0.518	1.889
0.980	0.569	1.687
1.170	0.691	1.980
1.168	0.679	2.007
1.107	0.711	1.724
1.108	0.620	1.981
1.183	0.580	2.413
1.075	0.941	1.229
0.455	0.219	0.946
0.676	0.545	0.840
1.411	0.513	3.879
0.632	0.384	1.041

0.599	0.350	1.026
1.214	0.745	1.977
0.876	0.500	1.535
1.008	0.659	1.541
0.429	0.229	0.803
0.933	0.803	1.083
0.933	0.610	1.428
1.018	0.746	1.388
0.898	0.812	0.992
0.688	0.426	1.111
1.006	0.729	1.387
0.979	0.319	3.004
0.351	0.210	0.586
1.344	0.553	3.263
0.984	0.847	1.144
1.109	0.668	1.842
0.516	0.363	0.734
1.766	0.955	3.267
1.074	0.608	1.896
1.251	0.881	1.776
1.268	0.562	2.860
0.789	0.338	1.840
1.065	0.727	1.560
1.187	0.960	1.467
0.600	0.339	1.062
1.220	0.896	1.662
1.038	0.599	1.799
0.914	0.585	1.428
1.039	0.860	1.256
0.679	0.329	1.401
1.243	0.745	2.073
0.821	0.591	1.142
0.982	0.376	2.566
0.182	0.070	0.475
0.721	0.397	1.308
1.004	0.988	1.021
1.653	0.676	4.042
0.936	0.640	1.370
1.280	1.037	1.580
0.868	0.645	1.167
0.862	0.706	1.051
1.035	1.004	1.067
0.823	0.578	1.171
1.133	0.803	1.599
1.134	0.935	1.375

0.888	0.674	1.170
1.195	0.919	1.556
1.007	0.877	1.155
1.013	0.664	1.546
1.091	0.744	1.598
1.325	0.750	2.341
0.572	0.253	1.292
1.061	0.884	1.273
0.826	0.640	1.065
1.031	0.923	1.152
1.229	0.489	3.086
0.885	0.739	1.061
0.862	0.418	1.777
1.186	0.789	1.782
1.182	1.019	1.371
0.755	0.344	1.655
0.983	0.858	1.126
0.992	0.780	1.263
0.944	0.711	1.254
1.175	0.607	2.275
0.837	0.709	0.988
0.875	0.429	1.787
0.935	0.527	1.656
0.317	0.131	0.764
0.965	0.560	1.664
1.016	0.385	2.682
0.880	0.420	1.843
1.612	0.992	2.618
1.355	0.826	2.224
3.062	1.243	7.546
0.896	0.720	1.114
1.223	0.815	1.835
0.822	0.464	1.455
0.998	0.941	1.059
1.107	0.490	2.500
1.300	0.834	2.025
1.362	0.414	4.482
1.636	0.882	3.035
0.943	0.739	1.203
1.752	0.630	4.875
1.166	0.614	2.214
0.780	0.496	1.226
0.929	0.854	1.010
0.818	0.530	1.263
1.054	0.857	1.295

0.788	0.490	1.270
0.971	0.749	1.259
1.034	0.706	1.515
1.031	0.474	2.241
0.912	0.732	1.136
0.757	0.509	1.128
0.760	0.562	1.027
0.846	0.758	0.945
0.887	0.552	1.426
0.931	0.509	1.705
1.030	0.673	1.575
0.910	0.453	1.828
0.997	0.673	1.476
0.799	0.565	1.130
1.041	0.601	1.802
1.297	0.636	2.645
0.677	0.226	2.025
1.221	1.031	1.445
1.308	0.742	2.306
3.303	0.661	16.500
0.645	0.321	1.299
1.032	0.573	1.858
0.802	0.365	1.764
2.102	1.012	4.362
1.024	0.581	1.804
1.256	0.381	4.137
0.981	0.830	1.158
1.387	0.798	2.411
0.898	0.798	1.011
0.798	0.386	1.653
0.990	0.585	1.677
1.523	1.099	2.110
0.959	0.786	1.171
0.682	0.314	1.483
2.353	1.155	4.791
0.996	0.939	1.057
1.127	0.537	2.365
1.003	0.846	1.190
1.001	0.899	1.113
0.714	0.492	1.036
0.855	0.423	1.729
1.047	0.977	1.122
3.002	0.992	9.081
1.010	0.921	1.108
1.302	0.589	2.878

0.876	0.694	1.106
1.125	0.392	3.229
0.920	0.633	1.337
1.120	0.517	2.427
0.868	0.375	2.010
1.235	0.751	2.031
0.941	0.827	1.071
1.132	0.781	1.641
0.662	0.221	1.978
1.132	0.943	1.359
0.638	0.339	1.201
1.039	0.627	1.721
0.633	0.321	1.250
0.840	0.299	2.358
0.458	0.219	0.960
0.970	0.830	1.133
1.592	0.666	3.805
0.967	0.640	1.461
1.054	0.751	1.480
0.661	0.259	1.686
2.625	1.159	5.945
2.042	1.128	3.695
0.825	0.409	1.665
0.509	0.187	1.386
0.912	0.641	1.298
1.104	0.627	1.945
1.031	0.864	1.231
1.088	0.932	1.270
0.957	0.891	1.029
0.646	0.512	0.816
1.101	0.824	1.470
3.526	0.878	14.158
0.986	0.626	1.554
0.976	0.892	1.068
0.151	0.055	0.412
1.364	0.792	2.350
1.099	0.515	2.346
0.968	0.834	1.122
1.330	0.997	1.775
0.479	0.163	1.402
0.802	0.253	2.539
0.642	0.338	1.218
1.226	1.028	1.461
1.020	0.360	2.886
0.746	0.514	1.082

0.784	0.536	1.147
0.684	0.258	1.812
1.017	0.669	1.547
0.940	0.703	1.257
1.157	0.565	2.369
1.014	0.714	1.438
1.124	0.930	1.358
0.877	0.656	1.170
1.073	0.448	2.572
0.982	0.367	2.625
1.299	0.802	2.105
2.285	1.110	4.704
1.009	0.615	1.655
1.756	0.867	3.558
0.679	0.312	1.479
1.120	0.880	1.427
1.003	0.915	1.099
0.959	0.868	1.060
1.948	0.731	5.193
1.188	0.588	2.402
1.190	0.570	2.486
2.090	1.375	3.177
1.113	0.320	3.872
1.223	1.037	1.442
0.904	0.629	1.300
0.966	0.434	2.150
0.988	0.526	1.858
0.813	0.388	1.704
1.006	0.715	1.418
0.948	0.564	1.593
0.673	0.342	1.323
0.543	0.243	1.215
1.009	0.895	1.138
0.517	0.248	1.080
0.685	0.430	1.089
1.084	0.567	2.073
1.127	0.945	1.344
1.002	0.910	1.103
0.821	0.625	1.078
0.961	0.448	2.064
1.022	0.329	3.172

Table S4: Results of Bayesian colocalization analysis of cerebrospinal fluid proteins and m

Disease	Exposure.id	Protein	CHR	START
Schizophrenia	X3327.27	NTN4	12	96051583
Major depressive disorder	X3293.2	CD5L	1	157800701
Attention deficit hyperactivity disorder	X3600.2	CHIT1	1	203181955
Schizophrenia	X4328.2	BOC	3	112929850
Major depressive disorder	X2781.63	CCL4L1	17	34538310
Schizophrenia	X3421.54	TNFSF8	9	117655623
Major depressive disorder	X3235.50	WFIKKN2	17	48912011
Schizophrenia	X3636.37	OLR1	12	10310900
Major depressive disorder	X3636.37	OLR1	12	10310900
Bipolar disorder	X2635.61	LAYN	11	111411005
Schizophrenia	X4187.49	PGD	1	10458649
Major depressive disorder	X3216.2	PIGR	1	207101867
Major depressive disorder	X4328.2	BOC	3	112929850
Bipolar disorder	X4968.50	CAPG	2	85621876
Attention deficit hyperactivity disorder	X3054.3	HP	16	72088404
Schizophrenia	X4968.50	CAPG	2	85621876
Schizophrenia	X2781.63	CCL4L1	17	34538310
Schizophrenia	X3461.58	BCAN	1	156611182
Bipolar disorder	X4771.10	SMPDL3A	6	123110194
Schizophrenia	X3061.61	CTSB	8	11700033
Major depressive disorder	X5312.49	APOE	19	45409048
Schizophrenia	X5066.134	CD300C	17	72537212
Attention deficit hyperactivity disorder	X5392.73	FAS	10	90750414
Schizophrenia	X4297.62	SPON1	11	13984270
Bipolar disorder	X3316.58	SERPIND1	22	21128401
Schizophrenia	X5312.49	APOE	19	45409048
Major depressive disorder	X2913.1	CCL23	17	34340096
Schizophrenia	X4342.10	ICAM1	19	10381769
Bipolar disorder	X5400.52	LEPR	1	65886335
Attention deficit hyperactivity disorder	X9177.6	FAM3B	21	42676139
Schizophrenia	X7655.11	NPPB	1	11917521
Schizophrenia	X8479.4	MMP10	11	102641233
Schizophrenia	X4155.3	TNC	9	117781854
Major depressive disorder	X3457.57	POSTN	13	38136720
Major depressive disorder	X5132.71	IL27RA	19	14142574
Major depressive disorder	X3666.17	CFHR5	1	196944140
Major depressive disorder	X3431.54	EPHA1	7	143087382
Bipolar disorder	X2747.3	ULBP3	6	150382189
Bipolar disorder	X3403.1	TPSB2	16	1277272
Major depressive disorder	X5400.52	LEPR	1	65886335
Major depressive disorder	X5066.134	CD300C	17	72537212
Major depressive disorder	X4911.49	GSTP1	11	67351213

Schizophrenia	X4430.44	COLEC11	2	3642422
Schizophrenia	X2968.61	TNFSF15	9	117546932
Schizophrenia	X3235.50	WFIKKN2	17	48912011
Bipolar disorder	X3323.37	LRP8	1	53708036
Anorexia nervosa	X4407.10	MST1	3	49721380
Major depressive disorder	X2992.59	IL17RA	22	17565844
Post-traumatic stress disorder	X3293.2	CD5L	1	157800701
Schizophrenia	X4500.50	CLEC11A	19	51226621
Schizophrenia	X2966.65	CLEC11A	19	51226621
Schizophrenia	X3175.51	ADAMTS1	9	136279478
Schizophrenia	X3293.2	CD5L	1	157800701
Bipolar disorder	X4984.83	ESD	13	47345391
Bipolar disorder	X4187.49	PGD	1	10458649
Bipolar disorder	X3608.12	DPP7	9	140004998
Major depressive disorder	X4297.62	SPON1	11	13984270
Bipolar disorder	X3029.52	CD209	19	7804879
Schizophrenia	X3366.51	ECM1	1	150480538
Bipolar disorder	X3291.30	FCER2	19	7753644
Schizophrenia	X2774.10	IL16	15	81451916
Schizophrenia	X4556.10	IL34	16	70613798
Bipolar disorder	X5248.68	PPIF	10	81107225
Bipolar disorder	X5392.73	FAS	10	90750414
Bipolar disorder	X4139.71	IL6R	1	154377669
Bipolar disorder	X3623.84	LY86	6	6588341
Schizophrenia	X2631.50	IL10RB	21	34638672
Attention deficit hyperactivity disorder	X3396.54	REN	1	204123947
Bipolar disorder	X3169.70	IDUA	4	980785
Attention deficit hyperactivity disorder	X3195.50	GNLY	2	85912298
Attention deficit hyperactivity disorder	X3007.7	SIGLEC9	19	51628163
Major depressive disorder	X3196.6	HAPLN1	5	82933624
Major depressive disorder	X11102.22	REG4	1	120336640
Attention deficit hyperactivity disorder	X5066.134	CD300C	17	72537212
Schizophrenia	X4979.34	DPT	1	168664706
Bipolar disorder	X8465.52	CTSH	15	79213400
Bipolar disorder	X3459.49	PDGFRB	5	149493402
Schizophrenia	X2944.66	NBL1	1	19923473
Schizophrenia	X3291.30	FCER2	19	7753644
Major depressive disorder	X3074.6	LBP	20	36974885
Schizophrenia	X3666.17	CFHR5	1	196944140
Attention deficit hyperactivity disorder	X6649.51	NTN1	17	8924827
Bipolar disorder	X3509.1	CCL15	17	34323476
Attention deficit hyperactivity disorder	X2831.29	KLK11	19	51525472
Schizophrenia	X2681.23	HGF	7	81328326
Bipolar disorder	X3313.21	FCN2	9	137772656
Major depressive disorder	X14139.16	NRG4	15	76228310

Schizophrenia	X4906.35	F5	1	169481189
Schizophrenia	X3029.52	CD209	19	7804879
Attention deficit hyperactivity disorder	X4556.10	IL34	16	70613798
Attention deficit hyperactivity disorder	X3296.92	CNTN2	1	205012065
Schizophrenia	X4459.68	PCSK7	11	117075053
Bipolar disorder	X3303.23	CST6	11	65779479
Major depressive disorder	X3173.49	NAAA	4	76834813
Anorexia nervosa	X4909.68	LGALS8	1	236681300
Bipolar disorder	X5036.50	TNFAIP6	2	152214106
Major depressive disorder	X4342.10	ICAM1	19	10381769
Schizophrenia	X13102.1	FAM3D	3	58619673
Bipolar disorder	X3196.6	HAPLN1	5	82933624
Major depressive disorder	X3676.15	IGF2R	6	160390114
Schizophrenia	X5400.52	LEPR	1	65886335
Bipolar disorder	X4913.78	CCL16	17	34303529
Bipolar disorder	X4991.12	GPC5	13	92050875
Bipolar disorder	X5343.74	CPE	4	166282346
Bipolar disorder	X5363.51	SEMA3E	7	82992554
Attention deficit hyperactivity disorder	X4459.68	PCSK7	11	117075053
Schizophrenia	X2731.29	POR	7	75528518
Schizophrenia	X3858.5	ACP1	2	264140
Attention deficit hyperactivity disorder	X3583.54	ARSA	22	51061182
Schizophrenia	X5349.69	DLL1	6	170591294
Bipolar disorder	X3172.28	ARSB	5	78073032
Major depressive disorder	X5430.66	SIRPA	20	1874813
Bipolar disorder	X9183.7	IFNAR1	21	34696692
Bipolar disorder	X2968.61	TNFSF15	9	117546932
Bipolar disorder	X3173.49	NAAA	4	76834813
Schizophrenia	X14139.16	NRG4	15	76228310
Attention deficit hyperactivity disorder	X3459.49	PDGFRB	5	149493402
Attention deficit hyperactivity disorder	X3378.49	KLK7	19	51479724
Attention deficit hyperactivity disorder	X3403.1	TPSB2	16	1277272
Bipolar disorder	X3457.57	POSTN	13	38136720
Schizophrenia	X3310.62	FCGR2B	1	161632933
Attention deficit hyperactivity disorder	X2991.9	IL1R1	2	102681004
Anorexia nervosa	X3184.25	F7	13	113760102
Anorexia nervosa	X4328.2	BOC	3	112929850
Schizophrenia	X4920.10	LYZ	12	69742161
Bipolar disorder	X3044.3	CCL18	17	34391632
Attention deficit hyperactivity disorder	X3169.70	IDUA	4	980785
Schizophrenia	X4962.52	CDNF	10	14861244
Bipolar disorder	X5491.12	SPOCK2	10	73818792
Schizophrenia	X4139.71	IL6R	1	154377669
Major depressive disorder	X3303.23	CST6	11	65779479
Schizophrenia	X3396.54	REN	1	204123947

Schizophrenia	X3290.50	CD109	6	74405508
Attention deficit hyperactivity disorder	X2944.66	NBL1	1	19923473
Major depressive disorder	X11104.13	CHI3L1	1	203148059
Major depressive disorder	X3290.50	CD109	6	74405508
Major depressive disorder	X3600.2	CHIT1	1	203181955
Attention deficit hyperactivity disorder	X5060.62	CD274	9	5450503
Post-traumatic stress disorder	X3310.62	FCGR2B	1	161632933
Bipolar disorder	X2900.53	CCL14	17	34310324
Schizophrenia	X4546.27	ADGRE2	19	14843204
Bipolar disorder	X4911.49	GSTP1	11	67351213
Major depressive disorder	X5091.28	LILRB2	19	54777666
Attention deficit hyperactivity disorder	X5312.49	APOE	19	45409048
Attention deficit hyperactivity disorder	X3623.84	LY86	6	6588341
Major depressive disorder	X2774.10	IL16	15	81451916
Attention deficit hyperactivity disorder	X3029.52	CD209	19	7804879
Bipolar disorder	X14139.16	NRG4	15	76228310
Major depressive disorder	X3310.62	FCGR2B	1	161632933
Anorexia nervosa	X4964.67	ERAP1	5	96096514
Schizophrenia	X14151.4	ISG15	1	936518
Schizophrenia	X4909.68	LGALS8	1	236681300
Anorexia nervosa	X3173.49	NAAA	4	76834813
Schizophrenia	X4549.78	FUT5	19	5865837
Attention deficit hyperactivity disorder	X13118.5	SMOC1	14	70320848
Attention deficit hyperactivity disorder	X2834.54	KLK8	19	51499263
Bipolar disorder	X3340.53	THBS4	5	79287134
Major depressive disorder	X3172.28	ARSB	5	78073032
Major depressive disorder	X2844.53	TIE1	1	43766653
Schizophrenia	X2762.30	FGF19	11	69513006
Anorexia nervosa	X5091.28	LILRB2	19	54777666
Schizophrenia	X2630.12	IL1RAP	3	190231840
Schizophrenia	X14116.129	S100A4	1	153516089
Bipolar disorder	X14116.129	S100A4	1	153516089
Schizophrenia	X3623.84	LY86	6	6588341
Schizophrenia	X3805.16	ESM1	5	54273695
Attention deficit hyperactivity disorder	X3310.62	FCGR2B	1	161632933
Major depressive disorder	X5036.50	TNFAIP6	2	152214106
Bipolar disorder	X3296.92	CNTN2	1	205012065
Schizophrenia	X3213.65	NID1	1	236139130
Bipolar disorder	X2774.10	IL16	15	81451916
Attention deficit hyperactivity disorder	X13113.7	SPP1	4	88896819
Schizophrenia	X11104.13	CHI3L1	1	203148059
Attention deficit hyperactivity disorder	X3213.65	NID1	1	236139130
Bipolar disorder	X2681.23	HGF	7	81328326
Attention deficit hyperactivity disorder	X5080.131	GPNMB	7	23275586
Major depressive disorder	X3627.71	MMEL1	1	2522078

Schizophrenia	X2190.55	F11	4	187187343
Bipolar disorder	X3366.51	ECM1	1	150480538
Bipolar disorder	X3647.49	TLR4	9	120466453
Bipolar disorder	X3647.49	LY96	8	74903627
Major depressive disorder	X5343.74	CPE	4	166282346
Attention deficit hyperactivity disorder	X3235.50	WFIKKN2	17	48912011
Anorexia nervosa	X3327.27	NTN4	12	96051583
Major depressive disorder	X3213.65	NID1	1	236139130
Attention deficit hyperactivity disorder	X4407.10	MST1	3	49721380
Attention deficit hyperactivity disorder	X5430.66	SIRPA	20	1874813
Major depressive disorder	X13113.7	SPP1	4	88896819
Schizophrenia	X3438.10	FSTL3	19	676392
Attention deficit hyperactivity disorder	X4991.12	GPC5	13	92050875
Attention deficit hyperactivity disorder	X3216.2	PIGR	1	207101867
Schizophrenia	X4929.55	SHBG	17	7517264
Bipolar disorder	X4479.14	SERPING1	11	57364860
Major depressive disorder	X4991.12	GPC5	13	92050875
Attention deficit hyperactivity disorder	X2747.3	ULBP3	6	150382189
Bipolar disorder	X3235.50	WFIKKN2	17	48912011
Major depressive disorder	X3396.54	REN	1	204123947
Major depressive disorder	X4862.63	BMPR2	2	203241050
Attention deficit hyperactivity disorder	X3181.50	CTSS	1	150702555
Bipolar disorder	X3583.54	ARSA	22	51061182
Bipolar disorder	X2844.53	TIE1	1	43766653
Bipolar disorder	X3421.54	TNFSF8	9	117655623
Major depressive disorder	X5129.12	SCARF1	17	1537152
Attention deficit hyperactivity disorder	X3858.5	ACP1	2	264140
Attention deficit hyperactivity disorder	X4155.3	TNC	9	117781854
Bipolar disorder	X2913.1	CCL23	17	34340096
Schizophrenia	X3079.62	RARRES2	7	150035406
Attention deficit hyperactivity disorder	X3666.17	CFHR5	1	196944140
Major depressive disorder	X5015.15	PLA2G7	6	46671938
Major depressive disorder	X4467.49	SPARCL1	4	88394487
Schizophrenia	X13116.25	CD177	19	43857838
Major depressive disorder	X4156.74	TGFB2	1	218518678
Attention deficit hyperactivity disorder	X5487.7	SLAMF7	1	160708847
Attention deficit hyperactivity disorder	X13126.52	DSC2	18	28638806
Bipolar disorder	X2631.50	IL10RB	21	34638672
Schizophrenia	X3311.27	FCGR3B	1	161592986
Attention deficit hyperactivity disorder	X3421.54	TNFSF8	9	117655623
Attention deficit hyperactivity disorder	X3676.15	IGF2R	6	160390114
Bipolar disorder	X3310.62	FCGR2B	1	161632933
Post-traumatic stress disorder	X3216.2	PIGR	1	207101867
Major depressive disorder	X3459.49	PDGFRB	5	149493402
Major depressive disorder	X3311.27	FCGR3B	1	161592986

Bipolar disorder	X13118.5	SMOC1	14	70320848
Major depressive disorder	X4964.67	ERAP1	5	96096514
Major depressive disorder	X5487.7	SLAMF7	1	160708847
Schizophrenia	X5343.74	CPE	4	166282346
Post-traumatic stress disorder	X11104.13	CHI3L1	1	203148059
Bipolar disorder	X3600.2	CHIT1	1	203181955
Bipolar disorder	X4234.8	IL1RL1	2	102927962
Attention deficit hyperactivity disorder	X3608.12	DPP7	9	140004998
Anorexia nervosa	X3323.37	LRP8	1	53708036
Major depressive disorder	X3217.74	SERPINE2	2	224839762
Schizophrenia	X4495.33	KNG1	3	186435137
Attention deficit hyperactivity disorder	X8479.4	MMP10	11	102641233
Anorexia nervosa	X13102.1	FAM3D	3	58619673
Bipolar disorder	X14151.4	ISG15	1	936518
Schizophrenia	X5542.22	NRP1	10	33466420
Bipolar disorder	X3446.7	IL18R1	2	102927989
Bipolar disorder	X4155.3	TNC	9	117781854
Bipolar disorder	X3213.65	NID1	1	236139130
Bipolar disorder	X4909.68	LGALS8	1	236681300
Bipolar disorder	X4500.50	CLEC11A	19	51226621
Bipolar disorder	X2966.65	CLEC11A	19	51226621
Major depressive disorder	X3403.1	TPSB2	16	1277272
Anorexia nervosa	X9197.4	LGALS9	17	25956824
Schizophrenia	X2636.10	LTBR	12	6484211
Schizophrenia	X3508.78	CCL22	16	57392695
Schizophrenia	X3600.2	CHIT1	1	203181955
Anorexia nervosa	X11104.13	CHI3L1	1	203148059
Post-traumatic stress disorder	X3313.21	FCN2	9	137772656
Major depressive disorder	X6649.51	NTN1	17	8924827
Major depressive disorder	X2780.35	LTF	3	46477136
Attention deficit hyperactivity disorder	X2968.61	TNFSF15	9	117546932
Major depressive disorder	X3805.16	ESM1	5	54273695
Bipolar disorder	X4964.67	ERAP1	5	96096514
Major depressive disorder	X2747.3	ULBP3	6	150382189
Major depressive disorder	X4541.49	CDON	11	125825691
Attention deficit hyperactivity disorder	X4771.10	SMPDL3A	6	123110194
Post-traumatic stress disorder	X3296.92	CNTN2	1	205012065
Bipolar disorder	X5312.49	APOE	19	45409048
Major depressive disorder	X3471.49	STK16	2	220110177
Major depressive disorder	X5340.24	CASP10	2	202047595
Attention deficit hyperactivity disorder	X3471.49	STK16	2	220110177
Attention deficit hyperactivity disorder	X3431.54	EPHA1	7	143087382
Major depressive disorder	X4909.68	LGALS8	1	236681300
Schizophrenia	X4420.7	ADAM12	10	127700950
Attention deficit hyperactivity disorder	X5350.14	GPC6	13	93879060

Major depressive disorder	X3181.50	CTSS	1	150702555
Major depressive disorder	X2841.13	FRZB	2	183698002
Attention deficit hyperactivity disorder	X5834.18	IL9	5	135227935
Major depressive disorder	X11067.13	BGLAP	1	156211975
Attention deficit hyperactivity disorder	X4549.78	FUT5	19	5865837
Major depressive disorder	X3291.30	FCER2	19	7753644
Anorexia nervosa	X3216.2	PIGR	1	207101867
Post-traumatic stress disorder	X3213.65	NID1	1	236139130
Major depressive disorder	X2190.55	F11	4	187187343
Schizophrenia	X2677.1	EGFR	7	55086710
Major depressive disorder	X4546.27	ADGRE2	19	14843204
Bipolar disorder	X3666.17	CFHR5	1	196944140
Major depressive disorder	X5363.51	SEMA3E	7	82992554
Bipolar disorder	X5542.22	NRP1	10	33466420
Bipolar disorder	X11067.13	BGLAP	1	156211975
Anorexia nervosa	X14139.16	NRG4	15	76228310
Bipolar disorder	X3216.2	PIGR	1	207101867
Major depressive disorder	X5392.73	FAS	10	90750414
Attention deficit hyperactivity disorder	X2844.53	TIE1	1	43766653
Major depressive disorder	X2681.23	HGF	7	81328326
Attention deficit hyperactivity disorder	X4911.49	GSTP1	11	67351213
Major depressive disorder	X5134.52	HAVCR2	5	156512433
Major depressive disorder	X7628.40	CRELD1	3	9975477
Attention deficit hyperactivity disorder	X4467.49	SPARCL1	4	88394487
Major depressive disorder	X5810.25	TDGF1	3	46616024
Major depressive disorder	X3316.58	SERPIND1	22	21128401
Schizophrenia	X3316.58	SERPIND1	22	21128401
Bipolar disorder	X2991.9	IL1R1	2	102681004
Attention deficit hyperactivity disorder	X2190.55	F11	4	187187343
Attention deficit hyperactivity disorder	X2789.26	MMP7	11	102391239
Bipolar disorder	X3177.49	CA4	17	58227303
Bipolar disorder	X3290.50	CD109	6	74405508
Major depressive disorder	X2685.21	IGFBP5	2	217536828
Bipolar disorder	X5091.28	LILRB2	19	54777666
Major depressive disorder	X3313.21	FCN2	9	137772656
Attention deficit hyperactivity disorder	X4909.68	LGALS8	1	236681300
Attention deficit hyperactivity disorder	X3293.2	CD5L	1	157800701
Anorexia nervosa	X4495.33	KNG1	3	186435137
Major depressive disorder	X3484.60	AGT	1	230826522
Attention deficit hyperactivity disorder	X3079.62	RARRES2	7	150035406
Major depressive disorder	X3336.50	TFPI	2	188328957
Attention deficit hyperactivity disorder	X2742.68	SIGLEC7	19	51645556
Schizophrenia	X4911.49	GSTP1	11	67351213
Attention deficit hyperactivity disorder	X14151.4	ISG15	1	936518
Anorexia nervosa	X3177.49	CA4	17	58227303

Major depressive disorder	X4495.33	KNG1	3	186435137
Bipolar disorder	X11104.13	CHI3L1	1	203148059
Bipolar disorder	X3471.49	STK16	2	220110177
Major depressive disorder	X2778.10	IL22	12	68642022
Major depressive disorder	X3366.51	ECM1	1	150480538
Attention deficit hyperactivity disorder	X3321.2	IL24	1	207070788
Major depressive disorder	X3327.27	NTN4	12	96051583
Schizophrenia	X4160.49	MMP2	16	55423612
Attention deficit hyperactivity disorder	X3617.80	HGFAC	4	3443695
Schizophrenia	X2778.10	IL22	12	68642022
Bipolar disorder	X2781.63	CCL4L1	17	34538310
Major depressive disorder	X9199.6	UBE2G2	21	46188495
Schizophrenia	X3232.28	ACP5	19	11685468
Attention deficit hyperactivity disorder	X5069.9	CD55	1	207494864
Major depressive disorder	X8469.41	IGFBP2	2	217497551
Attention deficit hyperactivity disorder	X5478.50	FOLH1	11	49166644
Anorexia nervosa	X3805.16	ESM1	5	54273695
Post-traumatic stress disorder	X3471.49	STK16	2	220110177
Bipolar disorder	X3396.54	REN	1	204123947
Major depressive disorder	X3296.92	CNTN2	1	205012065
Major depressive disorder	X5349.69	DLL1	6	170591294
Major depressive disorder	X2789.26	MMP7	11	102391239
Attention deficit hyperactivity disorder	X5340.24	CASP10	2	202047595
Anorexia nervosa	X3508.78	CCL22	16	57392695
Attention deficit hyperactivity disorder	X4984.83	ESD	13	47345391
Attention deficit hyperactivity disorder	X3313.21	FCN2	9	137772656
Bipolar disorder	X2888.49	C7	5	40909594
Schizophrenia	X13113.7	SPP1	4	88896819
Major depressive disorder	X3177.49	CA4	17	58227303
Attention deficit hyperactivity disorder	X9172.69	MMP8	11	102582527
Bipolar disorder	X5810.25	TDGF1	3	46616024
Bipolar disorder	X4920.10	LYZ	12	69742161
Bipolar disorder	X2778.10	IL22	12	68642022
Post-traumatic stress disorder	X5340.24	CASP10	2	202047595
Anorexia nervosa	X3213.65	NID1	1	236139130
Anorexia nervosa	X3600.2	CHIT1	1	203181955
Bipolar disorder	X3431.54	EPHA1	7	143087382
Post-traumatic stress disorder	X3600.2	CHIT1	1	203181955
Schizophrenia	X3642.4	CD84	1	160510885
Attention deficit hyperactivity disorder	X3172.28	ARSB	5	78073032
Post-traumatic stress disorder	X5069.9	CD55	1	207494864
Attention deficit hyperactivity disorder	X2630.12	IL1RAP	3	190231840
Post-traumatic stress disorder	X4862.63	BMPR2	2	203241050
Attention deficit hyperactivity disorder	X2841.13	FRZB	2	183698002
Attention deficit hyperactivity disorder	X2992.59	IL17RA	22	17565844

Attention deficit hyperactivity disorder	X3217.74	SERPINE2	2	224839762
Attention deficit hyperactivity disorder	X5343.74	CPE	4	166282346
Major depressive disorder	X2635.61	LAYN	11	111411005
Schizophrenia	X3303.23	CST6	11	65779479
Major depressive disorder	X3079.62	RARRES2	7	150035406
Major depressive disorder	X4535.50	BST1	4	15704688
Schizophrenia	X4467.49	SPARCL1	4	88394487
Attention deficit hyperactivity disorder	X5015.15	PLA2G7	6	46671938
Major depressive disorder	X4374.45	GDF15	19	18485541
Schizophrenia	X5069.9	CD55	1	207494864
Bipolar disorder	X4862.63	BMPR2	2	203241050
Post-traumatic stress disorder	X3396.54	REN	1	204123947
Bipolar disorder	X3858.5	ACP1	2	264140
Bipolar disorder	X4159.130	CFH	1	196620884
Attention deficit hyperactivity disorder	X4138.25	IL20	1	207038968
Major depressive disorder	X4152.58	KLKB1	4	187130133
Attention deficit hyperactivity disorder	X4546.27	ADGRE2	19	14843204
Major depressive disorder	X14116.129	S100A4	1	153516089
Attention deficit hyperactivity disorder	X3035.80	IL19	1	206944109
Anorexia nervosa	X3666.17	CFHR5	1	196944140
Schizophrenia	X3471.49	STK16	2	220110177
Bipolar disorder	X3438.10	FSTL3	19	676392
Anorexia nervosa	X2682.68	HSPD1	2	198351308
Anorexia nervosa	X5069.9	CD55	1	207494864
Major depressive disorder	X5248.68	PPIF	10	81107225
Attention deficit hyperactivity disorder	X4979.34	DPT	1	168664706
Major depressive disorder	X4139.71	IL6R	1	154377669
Attention deficit hyperactivity disorder	X3484.60	AGT	1	230826522
Anorexia nervosa	X3022.4	CTLA4	2	204718611
Attention deficit hyperactivity disorder	X3311.27	FCGR3B	1	161592986
Attention deficit hyperactivity disorder	X7655.11	NPPB	1	11917521
Post-traumatic stress disorder	X3022.4	CTLA4	2	204718611
Attention deficit hyperactivity disorder	X4968.50	CAPG	2	85621876
Major depressive disorder	X4159.130	CFH	1	196620884
Bipolar disorder	X3293.2	CD5L	1	157800701
Anorexia nervosa	X3321.2	IL24	1	207070788
Bipolar disorder	X3805.16	ESM1	5	54273695
Attention deficit hyperactivity disorder	X3461.58	BCAN	1	156611182
Major depressive disorder	X13111.79	BCL6	3	187439165
Bipolar disorder	X9199.6	UBE2G2	21	46188495
Major depressive disorder	X4131.72	FN1	2	216225163
Post-traumatic stress disorder	X2190.55	F11	4	187187343
Bipolar disorder	X2630.12	IL1RAP	3	190231840
Major depressive disorder	X3623.84	LY86	6	6588341
Bipolar disorder	X4914.10	CGA	6	87795216

Bipolar disorder	X4914.10	CGB3	19	49526126
Bipolar disorder	X2953.31	CGA	6	87795216
Bipolar disorder	X2953.31	LHB	19	49519237
Anorexia nervosa	X4159.130	CFH	1	196620884
Attention deficit hyperactivity disorder	X2636.10	LTBR	12	6484211
Major depressive disorder	X3169.70	IDUA	4	980785
Bipolar disorder	X4546.27	ADGRE2	19	14843204
Attention deficit hyperactivity disorder	X4964.67	ERAP1	5	96096514
Attention deficit hyperactivity disorder	X4495.33	KNG1	3	186435137
Schizophrenia	X4152.58	KLKB1	4	187130133
Anorexia nervosa	X4138.25	IL20	1	207038968
Post-traumatic stress disorder	X2682.68	HSPD1	2	198351308
Anorexia nervosa	X3594.6	CTSE	1	206317459
Schizophrenia	X3194.36	GP6	19	55525073
Schizophrenia	X4862.63	BMPR2	2	203241050
Bipolar disorder	X3435.53	FN1	2	216225163
Schizophrenia	X11102.22	REG4	1	120336640
Attention deficit hyperactivity disorder	X4374.45	GDF15	19	18485541
Post-traumatic stress disorder	X4138.25	IL20	1	207038968
Anorexia nervosa	X6649.51	NTN1	17	8924827
Anorexia nervosa	X3396.54	REN	1	204123947
Major depressive disorder	X3435.53	FN1	2	216225163
Post-traumatic stress disorder	X3321.2	IL24	1	207070788
Schizophrenia	X5090.49	LILRB1	19	55128612
Major depressive disorder	X4831.4	SELL	1	169659806
Post-traumatic stress disorder	X4152.58	KLKB1	4	187130133
Major depressive disorder	X3434.34	FN1	2	216225163
Post-traumatic stress disorder	X3035.80	IL19	1	206944109
Bipolar disorder	X3434.34	FN1	2	216225163
Attention deficit hyperactivity disorder	X5349.69	DLL1	6	170591294
Bipolar disorder	X4131.72	FN1	2	216225163
Bipolar disorder	X4156.74	TGFB2	1	218518678
Bipolar disorder	X3079.62	RARRES2	7	150035406
Anorexia nervosa	X4862.63	BMPR2	2	203241050
Anorexia nervosa	X2190.55	F11	4	187187343
Schizophrenia	X3651.50	KDR	4	55944648
Schizophrenia	X3181.50	CTSS	1	150702555
Major depressive disorder	X3195.50	GNLY	2	85912298
Major depressive disorder	X3022.4	CTLA4	2	204718611
Bipolar disorder	X5340.24	CASP10	2	202047595
Post-traumatic stress disorder	X4156.74	TGFB2	1	218518678
Attention deficit hyperactivity disorder	X3594.6	CTSE	1	206317459
Bipolar disorder	X3059.50	TNFSF13B	13	108903588
Major depressive disorder	X4962.52	CDNF	10	14861244
Major depressive disorder	X13102.1	FAM3D	3	58619673

Attention deficit hyperactivity disorder	X4297.62	SPON1	11	13984270
Bipolar disorder	X2944.66	NBL1	1	19923473
Schizophrenia	X5352.11	TNFRSF14	1	2487078
Bipolar disorder	X5352.11	TNFRSF14	1	2487078
Attention deficit hyperactivity disorder	X2780.35	LTF	3	46477136
Post-traumatic stress disorder	X2685.21	IGFBP5	2	217536828
Post-traumatic stress disorder	X5036.50	TNFAIP6	2	152214106
Attention deficit hyperactivity disorder	X4831.4	SELL	1	169659806
Bipolar disorder	X3484.60	AGT	1	230826522
Post-traumatic stress disorder	X2841.13	FRZB	2	183698002
Post-traumatic stress disorder	X8469.41	IGFBP2	2	217497551
Attention deficit hyperactivity disorder	X3061.61	CTSB	8	11700033
Bipolar disorder	X5834.18	IL9	5	135227935
Schizophrenia	X4159.130	CFH	1	196620884
Attention deficit hyperactivity disorder	X2631.50	IL10RB	21	34638672
Major depressive disorder	X3581.53	AHSG	3	186330849
Attention deficit hyperactivity disorder	X5810.25	TDGF1	3	46616024
Anorexia nervosa	X4152.58	KLKB1	4	187130133
Anorexia nervosa	X5350.14	GPC6	13	93879060
Attention deficit hyperactivity disorder	X3232.28	ACP5	19	11685468
Major depressive disorder	X2636.10	LTBR	12	6484211
Major depressive disorder	X4906.35	F5	1	169481189
Anorexia nervosa	X2630.12	IL1RAP	3	190231840
Attention deficit hyperactivity disorder	X4342.10	ICAM1	19	10381769
Anorexia nervosa	X2841.13	FRZB	2	183698002
Major depressive disorder	X2630.12	IL1RAP	3	190231840
Attention deficit hyperactivity disorder	X3647.49	TLR4	9	120466453
Attention deficit hyperactivity disorder	X3647.49	LY96	8	74903627
Anorexia nervosa	X3029.52	CD209	19	7804879
Attention deficit hyperactivity disorder	X2685.21	IGFBP5	2	217536828
Post-traumatic stress disorder	X3484.60	AGT	1	230826522
Attention deficit hyperactivity disorder	X5248.68	PPIF	10	81107225
Anorexia nervosa	X3310.62	FCGR2B	1	161632933
Bipolar disorder	X4495.33	KNG1	3	186435137
Attention deficit hyperactivity disorder	X4139.71	IL6R	1	154377669
Anorexia nervosa	X2685.21	IGFBP5	2	217536828
Post-traumatic stress disorder	X3217.74	SERPINE2	2	224839762
Major depressive disorder	X4968.50	CAPG	2	85621876
Major depressive disorder	X2762.30	FGF19	11	69513006
Major depressive disorder	X2944.66	NBL1	1	19923473
Bipolar disorder	X3035.80	IL19	1	206944109
Attention deficit hyperactivity disorder	X3166.92	CD33	19	51728320
Post-traumatic stress disorder	X3311.27	FCGR3B	1	161592986
Attention deficit hyperactivity disorder	X5129.12	SCARF1	17	1537152
Anorexia nervosa	X3035.80	IL19	1	206944109

Major depressive disorder	X4192.10	AKR1A1	1	46016215
Major depressive disorder	X3593.72	CASP3	4	185548850
Anorexia nervosa	X3459.49	PDGFRB	5	149493402
Attention deficit hyperactivity disorder	X4420.7	ADAM12	10	127700950
Major depressive disorder	X3175.51	ADAMTS1	9	136279478
Attention deficit hyperactivity disorder	X5134.52	HAVCR2	5	156512433
Attention deficit hyperactivity disorder	X3554.24	ADIPOQ	3	186560493
Schizophrenia	X14133.93	IL1R2	2	102608422
Attention deficit hyperactivity disorder	X3327.27	NTN4	12	96051583
Post-traumatic stress disorder	X4131.72	FN1	2	216225163
Schizophrenia	X5104.57	NCR1	19	55417506
Major depressive disorder	X5542.22	NRP1	10	33466420
Anorexia nervosa	X5036.50	TNFAIP6	2	152214106
Major depressive disorder	X2731.29	POR	7	75528518
Major depressive disorder	X5957.30	SST	3	187386700
Bipolar disorder	X3175.51	ADAMTS1	9	136279478
Bipolar disorder	X5069.9	CD55	1	207494864
Post-traumatic stress disorder	X3666.17	CFHR5	1	196944140
Post-traumatic stress disorder	X3594.6	CTSE	1	206317459
Anorexia nervosa	X8469.41	IGFBP2	2	217497551
Post-traumatic stress disorder	X5343.74	CPE	4	166282346
Anorexia nervosa	X5349.69	DLL1	6	170591294
Anorexia nervosa	X11067.13	BGLAP	1	156211975
Major depressive disorder	X3554.24	ADIPOQ	3	186560493
Attention deficit hyperactivity disorder	X5363.51	SEMA3E	7	82992554
Attention deficit hyperactivity disorder	X8469.41	IGFBP2	2	217497551
Bipolar disorder	X13113.7	SPP1	4	88896819
Anorexia nervosa	X4156.74	TGFB2	1	218518678
Bipolar disorder	X2946.52	CFD	19	859453
Anorexia nervosa	X5340.24	CASP10	2	202047595
Major depressive disorder	X2813.11	AGRP	16	67516474
Attention deficit hyperactivity disorder	X11102.22	REG4	1	120336640
Major depressive disorder	X3283.21	TGFBI	5	135364677
Post-traumatic stress disorder	X4159.130	CFH	1	196620884
Bipolar disorder	X13116.25	CD177	19	43857838
Anorexia nervosa	X4991.12	GPC5	13	92050875
Post-traumatic stress disorder	X3435.53	FN1	2	216225163
Post-traumatic stress disorder	X3434.34	FN1	2	216225163
Attention deficit hyperactivity disorder	X5542.22	NRP1	10	33466420
Bipolar disorder	X3327.27	NTN4	12	96051583
Attention deficit hyperactivity disorder	X4154.57	SELP	1	169558087
Anorexia nervosa	X13113.7	SPP1	4	88896819
Bipolar disorder	X2190.55	F11	4	187187343
Anorexia nervosa	X3431.54	EPHA1	7	143087382
Major depressive disorder	X3508.78	CCL22	16	57392695

Attention deficit hyperactivity disorder	X3175.51	ADAMTS1	9	136279478
Attention deficit hyperactivity disorder	X3642.4	CD84	1	160510885
Post-traumatic stress disorder	X2630.12	IL1RAP	3	190231840
Major depressive disorder	X4430.44	COLEC11	2	3642422
Bipolar disorder	X11102.22	REG4	1	120336640
Anorexia nervosa	X5392.73	FAS	10	90750414
Bipolar disorder	X3594.6	CTSE	1	206317459
Post-traumatic stress disorder	X3366.51	ECM1	1	150480538
Attention deficit hyperactivity disorder	X2618.10	ERBB4	2	212240442
Attention deficit hyperactivity disorder	X3044.3	CCL18	17	34391632
Schizophrenia	X3594.6	CTSE	1	206317459
Attention deficit hyperactivity disorder	X3593.72	CASP3	4	185548850
Bipolar disorder	X4917.62	ITGAV	2	187454737
Bipolar disorder	X4917.62	ITGB5	3	124480795
Schizophrenia	X2844.53	TIE1	1	43766653
Major depressive disorder	X4160.49	MMP2	16	55423612
Attention deficit hyperactivity disorder	X3581.53	AHSG	3	186330849
Anorexia nervosa	X3471.49	STK16	2	220110177
Attention deficit hyperactivity disorder	X4152.58	KLKB1	4	187130133
Attention deficit hyperactivity disorder	X3196.6	HAPLN1	5	82933624
Anorexia nervosa	X4131.72	FN1	2	216225163
Major depressive disorder	X5060.62	CD274	9	5450503
Bipolar disorder	X4962.52	CDNF	10	14861244
Attention deficit hyperactivity disorder	X3173.49	NAAA	4	76834813
Major depressive disorder	X3367.8	FETUB	3	186353758
Attention deficit hyperactivity disorder	X4430.44	COLEC11	2	3642422
Schizophrenia	X5340.24	CASP10	2	202047595
Attention deficit hyperactivity disorder	X2681.23	HGF	7	81328326
Major depressive disorder	X2687.2	MIA	19	41277553
Major depressive disorder	X13118.5	SMOC1	14	70320848
Anorexia nervosa	X3484.60	AGT	1	230826522
Post-traumatic stress disorder	X4831.4	SELL	1	169659806
Bipolar disorder	X3508.78	CCL22	16	57392695
Bipolar disorder	X8469.41	IGFBP2	2	217497551
Attention deficit hyperactivity disorder	X3605.77	MASP1	3	186935070
Bipolar disorder	X3321.2	IL24	1	207070788
Bipolar disorder	X4192.10	AKR1A1	1	46016215
Schizophrenia	X4535.50	BST1	4	15704688
Schizophrenia	X8469.41	IGFBP2	2	217497551
Anorexia nervosa	X4979.34	DPT	1	168664706
Bipolar disorder	X4430.44	COLEC11	2	3642422
Attention deficit hyperactivity disorder	X13116.25	CD177	19	43857838
Anorexia nervosa	X4831.4	SELL	1	169659806
Schizophrenia	X2682.68	HSPD1	2	198351308
Post-traumatic stress disorder	X4979.34	DPT	1	168664706

Bipolar disorder	X4874.3	ANG	14	21152336
Bipolar disorder	X3461.58	BCAN	1	156611182
Major depressive disorder	X2875.15	TBP	6	170863390
Major depressive disorder	X3340.53	THBS4	5	79287134
Post-traumatic stress disorder	X3461.58	BCAN	1	156611182
Major depressive disorder	X3894.15	NAGK	2	71291474
Schizophrenia	X4541.49	CDON	11	125825691
Attention deficit hyperactivity disorder	X13102.1	FAM3D	3	58619673
Major depressive disorder	X3194.36	GP6	19	55525073
Anorexia nervosa	X3291.30	FCER2	19	7753644
Major depressive disorder	X4549.78	FUT5	19	5865837
Attention deficit hyperactivity disorder	X3336.50	TFPI	2	188328957
Major depressive disorder	X3605.77	MASP1	3	186935070
Attention deficit hyperactivity disorder	X4917.62	ITGAV	2	187454737
Attention deficit hyperactivity disorder	X4917.62	ITGB5	3	124480795
Bipolar disorder	X3336.50	TFPI	2	188328957
Post-traumatic stress disorder	X4495.33	KNG1	3	186435137
Attention deficit hyperactivity disorder	X4962.52	CDNF	10	14861244
Post-traumatic stress disorder	X4139.71	IL6R	1	154377669
Schizophrenia	X2685.21	IGFBP5	2	217536828
Bipolar disorder	X4459.68	PCSK7	11	117075053
Schizophrenia	X3216.2	PIGR	1	207101867
Anorexia nervosa	X3172.28	ARSB	5	78073032
Anorexia nervosa	X3175.51	ADAMTS1	9	136279478
Anorexia nervosa	X3007.7	SIGLEC9	19	51628163
Anorexia nervosa	X5343.74	CPE	4	166282346
Post-traumatic stress disorder	X3079.62	RARRES2	7	150035406
Attention deficit hyperactivity disorder	X5036.50	TNFAIP6	2	152214106
Anorexia nervosa	X3435.53	FN1	2	216225163
Attention deficit hyperactivity disorder	X14133.93	IL1R2	2	102608422
Bipolar disorder	X5134.52	HAVCR2	5	156512433
Attention deficit hyperactivity disorder	X4862.63	BMPR2	2	203241050
Anorexia nervosa	X4917.62	ITGAV	2	187454737
Anorexia nervosa	X4917.62	ITGB5	3	124480795
Attention deficit hyperactivity disorder	X4156.74	TGFB2	1	218518678
Post-traumatic stress disorder	X2991.9	IL1R1	2	102681004
Anorexia nervosa	X4179.57	YWHAB	20	43514343
Anorexia nervosa	X4179.57	YWHAE	17	1247569
Anorexia nervosa	X4179.57	YWHAG	7	75956116
Anorexia nervosa	X4179.57	YWHAH	22	32340508
Anorexia nervosa	X4179.57	YWHAQ	2	9724096
Anorexia nervosa	X4179.57	YWHAZ	8	101928751
Anorexia nervosa	X4179.57	SFN	1	27189640
Bipolar disorder	X2636.10	LTBR	12	6484211
Bipolar disorder	X3022.4	CTLA4	2	204718611

Anorexia nervosa	X3627.71	MMEL1	1	2522078
Attention deficit hyperactivity disorder	X3059.50	TNFSF13B	13	108903588
Anorexia nervosa	X3434.34	FN1	2	216225163
Anorexia nervosa	X5080.131	GPNMB	7	23275586
Attention deficit hyperactivity disorder	X3367.8	FETUB	3	186353758
Attention deficit hyperactivity disorder	X4179.57	YWHAB	20	43514343
Attention deficit hyperactivity disorder	X4179.57	YWHAE	17	1247569
Attention deficit hyperactivity disorder	X4179.57	YWHAG	7	75956116
Attention deficit hyperactivity disorder	X4179.57	YWHAH	22	32340508
Attention deficit hyperactivity disorder	X4179.57	YWHAQ	2	9724096
Attention deficit hyperactivity disorder	X4179.57	YWHAZ	8	101928751
Attention deficit hyperactivity disorder	X4179.57	SFN	1	27189640
Post-traumatic stress disorder	X4771.10	SMPDL3A	6	123110194
Bipolar disorder	X4467.49	SPARCL1	4	88394487
Major depressive disorder	X8479.4	MMP10	11	102641233
Attention deficit hyperactivity disorder	X2781.63	CCL4L1	17	34538310
Anorexia nervosa	X3311.27	FCGR3B	1	161592986
Schizophrenia	X3336.50	TFPI	2	188328957
Anorexia nervosa	X4234.8	IL1RL1	2	102927962
Major depressive disorder	X3339.33	THBS2	6	169615875
Anorexia nervosa	X4556.10	IL34	16	70613798
Schizophrenia	X4131.72	FN1	2	216225163
Major depressive disorder	X4771.10	SMPDL3A	6	123110194
Attention deficit hyperactivity disorder	X3435.53	FN1	2	216225163
Bipolar disorder	X2682.68	HSPD1	2	198351308
Schizophrenia	X3434.34	FN1	2	216225163
Bipolar disorder	X3676.15	IGF2R	6	160390114
Schizophrenia	X3321.2	IL24	1	207070788
Major depressive disorder	X8465.52	CTSH	15	79213400
Post-traumatic stress disorder	X2618.10	ERBB4	2	212240442
Anorexia nervosa	X3217.74	SERPINE2	2	224839762
Anorexia nervosa	X14583.49	MSTN	2	190920426
Anorexia nervosa	X4771.10	SMPDL3A	6	123110194
Attention deficit hyperactivity disorder	X5352.11	TNFRSF14	1	2487078
Attention deficit hyperactivity disorder	X3434.34	FN1	2	216225163
Anorexia nervosa	X3293.2	CD5L	1	157800701
Post-traumatic stress disorder	X3336.50	TFPI	2	188328957
Bipolar disorder	X4407.10	MST1	3	49721380
Major depressive disorder	X4874.3	ANG	14	21152336
Attention deficit hyperactivity disorder	X3796.79	ANGPTL4	19	8428173
Anorexia nervosa	X3446.7	IL18R1	2	102927989
Major depressive disorder	X3594.6	CTSE	1	206317459
Schizophrenia	X4156.74	TGFB2	1	218518678
Bipolar disorder	X14133.93	IL1R2	2	102608422
Major depressive disorder	X5352.11	TNFRSF14	1	2487078

Bipolar disorder	X5132.71	IL27RA	19	14142574
Attention deficit hyperactivity disorder	X3509.1	CCL15	17	34323476
Post-traumatic stress disorder	X4909.68	LGALS8	1	236681300
Anorexia nervosa	X5248.68	PPIF	10	81107225
Anorexia nervosa	X4154.57	SELP	1	169558087
Attention deficit hyperactivity disorder	X14583.49	MSTN	2	190920426
Major depressive disorder	X5468.67	IL17RC	3	9958758
Schizophrenia	X3022.4	CTLA4	2	204718611
Major depressive disorder	X4984.83	ESD	13	47345391
Post-traumatic stress disorder	X3608.12	DPP7	9	140004998
Major depressive disorder	X5252.33	PDE11A	2	178487972
Attention deficit hyperactivity disorder	X8465.52	CTSH	15	79213400
Anorexia nervosa	X5957.30	SST	3	187386700
Schizophrenia	X3339.33	THBS2	6	169615875
Bipolar disorder	X2687.2	MIA	19	41277553
Anorexia nervosa	X3421.54	TNFSF8	9	117655623
Post-traumatic stress disorder	X2747.3	ULBP3	6	150382189
Major depressive disorder	X3470.1	SELE	1	169691781
Anorexia nervosa	X2834.54	KLK8	19	51499263
Major depressive disorder	X3858.5	ACP1	2	264140
Post-traumatic stress disorder	X14116.129	S100A4	1	153516089
Post-traumatic stress disorder	X5349.69	DLL1	6	170591294
Anorexia nervosa	X3894.15	NAGK	2	71291474
Anorexia nervosa	X3336.50	TFPI	2	188328957
Attention deficit hyperactivity disorder	X7638.30	LMAN2	5	176742806
Bipolar disorder	X2780.35	LTF	3	46477136
Anorexia nervosa	X5487.7	SLAMF7	1	160708847
Major depressive disorder	X4775.34	GSN	9	123970072
Attention deficit hyperactivity disorder	X3303.23	CST6	11	65779479
Anorexia nervosa	X4500.50	CLEC11A	19	51226621
Anorexia nervosa	X2966.65	CLEC11A	19	51226621
Post-traumatic stress disorder	X2968.61	TNFSF15	9	117546932
Anorexia nervosa	X13111.79	BCL6	3	187439165
Major depressive disorder	X3321.2	IL24	1	207070788
Post-traumatic stress disorder	X4154.57	SELP	1	169558087
Attention deficit hyperactivity disorder	X4906.35	F5	1	169481189
Bipolar disorder	X5957.30	SST	3	187386700
Attention deficit hyperactivity disorder	X3340.53	THBS4	5	79287134
Attention deficit hyperactivity disorder	X3636.37	OLR1	12	10310900
Anorexia nervosa	X3858.5	ACP1	2	264140
Major depressive disorder	X5834.18	IL9	5	135227935
Bipolar disorder	X14134.49	AMIGO2	12	47469490
Attention deficit hyperactivity disorder	X4131.72	FN1	2	216225163
Attention deficit hyperactivity disorder	X13111.79	BCL6	3	187439165
Anorexia nervosa	X4712.28	APOD	3	195295576

Anorexia nervosa	X2742.68	SIGLEC7	19	51645556
Attention deficit hyperactivity disorder	X4913.78	CCL16	17	34303529
Major depressive disorder	X9176.3	MUC1	1	155158300
Bipolar disorder	X13102.1	FAM3D	3	58619673
Attention deficit hyperactivity disorder	X5132.71	IL27RA	19	14142574
Schizophrenia	X3435.53	FN1	2	216225163
Anorexia nervosa	X2681.23	HGF	7	81328326
Attention deficit hyperactivity disorder	X3283.21	TGFBI	5	135364677
Anorexia nervosa	X5491.12	SPOCK2	10	73818792
Post-traumatic stress disorder	X4917.62	ITGAV	2	187454737
Post-traumatic stress disorder	X4917.62	ITGB5	3	124480795
Post-traumatic stress disorder	X4712.28	APOD	3	195295576
Major depressive disorder	X2682.68	HSPD1	2	198351308
Anorexia nervosa	X3339.33	THBS2	6	169615875
Anorexia nervosa	X3212.30	ASAH2	10	51942538
Anorexia nervosa	X2992.59	IL17RA	22	17565844
Post-traumatic stress disorder	X11067.13	BGLAP	1	156211975
Post-traumatic stress disorder	X9172.69	MMP8	11	102582527
Post-traumatic stress disorder	X8479.4	MMP10	11	102641233
Major depressive disorder	X5069.9	CD55	1	207494864
Bipolar disorder	X9172.69	MMP8	11	102582527
Attention deficit hyperactivity disorder	X2358.19	FLT4	5	180028506
Anorexia nervosa	X4420.7	ADAM12	10	127700950
Anorexia nervosa	X3605.77	MASP1	3	186935070
Bipolar disorder	X3642.4	CD84	1	160510885
Schizophrenia	X2687.2	MIA	19	41277553
Major depressive disorder	X4904.7	CASP2	7	142985308
Attention deficit hyperactivity disorder	X4995.16	HPGD	4	175411326
Attention deficit hyperactivity disorder	X4541.49	CDON	11	125825691
Anorexia nervosa	X5090.49	LILRB1	19	55128612
Anorexia nervosa	X3633.70	NID2	14	52471527
Schizophrenia	X3059.50	TNFSF13B	13	108903588
Bipolar disorder	X13111.79	BCL6	3	187439165
Attention deficit hyperactivity disorder	X3651.50	KDR	4	55944648
Anorexia nervosa	X4151.6	PLG	6	161123270
Attention deficit hyperactivity disorder	X5400.52	LEPR	1	65886335
Post-traumatic stress disorder	X5487.7	SLAMF7	1	160708847
Anorexia nervosa	X3647.49	TLR4	9	120466453
Anorexia nervosa	X3647.49	LY96	8	74903627
Attention deficit hyperactivity disorder	X2875.15	TBP	6	170863390
Post-traumatic stress disorder	X5957.30	SST	3	187386700
Major depressive disorder	X4712.28	APOD	3	195295576
Schizophrenia	X5468.67	IL17RC	3	9958758
Bipolar disorder	X5349.69	DLL1	6	170591294
Post-traumatic stress disorder	X3581.53	AHSG	3	186330849

Anorexia nervosa	X5134.52	HAVCR2	5	156512433
Anorexia nervosa	X2677.1	EGFR	7	55086710
Schizophrenia	X4917.62	ITGAV	2	187454737
Schizophrenia	X4917.62	ITGB5	3	124480795
Bipolar disorder	X3339.33	THBS2	6	169615875
Post-traumatic stress disorder	X3421.54	TNFSF8	9	117655623
Post-traumatic stress disorder	X5018.68	PRDX6	1	173446469
Schizophrenia	X2946.52	CFD	19	859453
Attention deficit hyperactivity disorder	X3290.50	CD109	6	74405508
Anorexia nervosa	X2635.61	LAYN	11	111411005
Anorexia nervosa	X3196.6	HAPLN1	5	82933624
Major depressive disorder	X5947.90	THPO	3	184089723
Attention deficit hyperactivity disorder	X2813.11	AGRP	16	67516474
Major depressive disorder	X3651.50	KDR	4	55944648
Anorexia nervosa	X3166.92	CD33	19	51728320
Attention deficit hyperactivity disorder	X3603.60	CLEC7A	12	10269376
Major depressive disorder	X5090.49	LILRB1	19	55128612
Schizophrenia	X5112.73	CD200	3	112051194
Post-traumatic stress disorder	X3367.8	FETUB	3	186353758
Attention deficit hyperactivity disorder	X3132.1	VEGFC	4	177604689
Anorexia nervosa	X3303.23	CST6	11	65779479
Schizophrenia	X14134.49	AMIGO2	12	47469490
Attention deficit hyperactivity disorder	X3323.37	LRP8	1	53708036
Post-traumatic stress disorder	X3554.24	ADIPOQ	3	186560493
Attention deficit hyperactivity disorder	X3052.8	FASLG	1	172628243
Attention deficit hyperactivity disorder	X3627.71	MMEL1	1	2522078
Bipolar disorder	X3580.25	SERPINA1	14	94843084
Anorexia nervosa	X11102.22	REG4	1	120336640
Attention deficit hyperactivity disorder	X4159.130	CFH	1	196620884
Bipolar disorder	X2685.21	IGFBP5	2	217536828
Major depressive disorder	X2888.49	C7	5	40909594
Post-traumatic stress disorder	X13111.79	BCL6	3	187439165
Major depressive disorder	X2614.28	EFNA4	1	155036213
Attention deficit hyperactivity disorder	X3415.61	IBSP	4	88720706
Post-traumatic stress disorder	X5392.73	FAS	10	90750414
Major depressive disorder	X13116.25	CD177	19	43857838
Bipolar disorder	X4160.49	MMP2	16	55423612
Anorexia nervosa	X5066.134	CD300C	17	72537212
Bipolar disorder	X5350.14	GPC6	13	93879060
Major depressive disorder	X4420.7	ADAM12	10	127700950
Post-traumatic stress disorder	X3676.15	IGF2R	6	160390114
Anorexia nervosa	X3290.50	CD109	6	74405508
Anorexia nervosa	X4968.50	CAPG	2	85621876
Anorexia nervosa	X3461.58	BCAN	1	156611182
Bipolar disorder	X4138.25	IL20	1	207038968

Major depressive disorder	X4920.10	LYZ	12	69742161
Attention deficit hyperactivity disorder	X13125.45	VTN	17	26694305
Major depressive disorder	X4979.34	DPT	1	168664706
Anorexia nervosa	X4450.26	HNRNPAB	5	177631534
Bipolar disorder	X8479.4	MMP10	11	102641233
Schizophrenia	X4904.7	CASP2	7	142985308
Bipolar disorder	X4904.7	CASP2	7	142985308
Post-traumatic stress disorder	X3605.77	MASP1	3	186935070
Anorexia nervosa	X13118.5	SMOC1	14	70320848
Major depressive disorder	X5231.79	PCSK9	1	55505120
Attention deficit hyperactivity disorder	X4450.26	HNRNPAB	5	177631534
Post-traumatic stress disorder	X5015.15	PLA2G7	6	46671938
Attention deficit hyperactivity disorder	X4712.28	APOD	3	195295576
Anorexia nervosa	X3132.1	VEGFC	4	177604689
Major depressive disorder	X3835.11	TLR2	4	154605222
Post-traumatic stress disorder	X4904.7	CASP2	7	142985308
Major depressive disorder	X2618.10	ERBB4	2	212240442
Post-traumatic stress disorder	X3175.51	ADAMTS1	9	136279478
Anorexia nervosa	X3296.92	CNTN2	1	205012065
Major depressive disorder	X3052.8	FASLG	1	172628243
Anorexia nervosa	X13125.45	VTN	17	26694305
Attention deficit hyperactivity disorder	X11067.13	BGLAP	1	156211975
Major depressive disorder	X5104.57	NCR1	19	55417506
Bipolar disorder	X5112.73	CD200	3	112051194
Anorexia nervosa	X2991.9	IL1R1	2	102681004
Bipolar disorder	X3651.50	KDR	4	55944648
Post-traumatic stress disorder	X5834.18	IL9	5	135227935
Anorexia nervosa	X3169.70	IDUA	4	980785
Anorexia nervosa	X2780.35	LTF	3	46477136
Post-traumatic stress disorder	X5227.60	PDK1	2	173420101
Attention deficit hyperactivity disorder	X9197.4	LGALS9	17	25956824
Schizophrenia	X3796.79	ANGPTL4	19	8428173
Anorexia nervosa	X3292.75	CD48	1	160648536
Anorexia nervosa	X3710.49	PLG	6	161123270
Post-traumatic stress disorder	X5245.40	PRKAA2	1	57110987
Post-traumatic stress disorder	X5245.40	PRKAB2	1	146626685
Post-traumatic stress disorder	X5245.40	PRKAG1	12	49396057
Anorexia nervosa	X2728.62	LAMA1	18	6941741
Anorexia nervosa	X2728.62	LAMB1	7	107564244
Anorexia nervosa	X2728.62	LAMC1	1	182992555
Attention deficit hyperactivity disorder	X5112.73	CD200	3	112051194
Post-traumatic stress disorder	X2789.26	MMP7	11	102391239
Attention deficit hyperactivity disorder	X5339.49	S100A9	1	153330330
Bipolar disorder	X4929.55	SHBG	17	7517264
Anorexia nervosa	X3079.62	RARRES2	7	150035406

Bipolar disorder	X3052.8	FASLG	1	172628243
Bipolar disorder	X2358.19	FLT4	5	180028506
Major depressive disorder	X3796.79	ANGPTL4	19	8428173
Post-traumatic stress disorder	X2358.19	FLT4	5	180028506
Major depressive disorder	X4917.62	ITGAV	2	187454737
Major depressive disorder	X4917.62	ITGB5	3	124480795
Attention deficit hyperactivity disorder	X4929.55	SHBG	17	7517264
Bipolar disorder	X2992.59	IL17RA	22	17565844
Anorexia nervosa	X3438.10	FSTL3	19	676392
Attention deficit hyperactivity disorder	X5947.90	THPO	3	184089723
Anorexia nervosa	X5015.15	PLA2G7	6	46671938
Post-traumatic stress disorder	X3459.49	PDGFRB	5	149493402
Anorexia nervosa	X3676.15	IGF2R	6	160390114
Anorexia nervosa	X3470.1	SELE	1	169691781
Attention deficit hyperactivity disorder	X3339.33	THBS2	6	169615875
Anorexia nervosa	X4297.62	SPON1	11	13984270
Major depressive disorder	X5272.55	SHC1	1	154934774
Attention deficit hyperactivity disorder	X3392.68	AKT1	14	105235686
Attention deficit hyperactivity disorder	X3392.68	AKT2	19	40736224
Attention deficit hyperactivity disorder	X3392.68	AKT3	1	243651535
Schizophrenia	X8474.6	ROR1	1	64239688
Major depressive disorder	X3606.2	DDR2	1	162601163
Anorexia nervosa	X5400.52	LEPR	1	65886335
Anorexia nervosa	X4911.49	GSTP1	11	67351213
Attention deficit hyperactivity disorder	X2687.2	MIA	19	41277553
Anorexia nervosa	X3059.50	TNFSF13B	13	108903588
Major depressive disorder	X2998.53	JAM3	11	133938966
Anorexia nervosa	X2968.61	TNFSF15	9	117546932
Major depressive disorder	X3035.80	IL19	1	206944109
Bipolar disorder	X7638.30	LMAN2	5	176742806
Post-traumatic stress disorder	X2728.62	LAMA1	18	6941741
Post-traumatic stress disorder	X2728.62	LAMB1	7	107564244
Post-traumatic stress disorder	X2728.62	LAMC1	1	182992555
Schizophrenia	X4874.3	ANG	14	21152336
Post-traumatic stress disorder	X4450.26	HNRNPAB	5	177631534
Post-traumatic stress disorder	X3431.54	EPHA1	7	143087382
Bipolar disorder	X14583.49	MSTN	2	190920426
Bipolar disorder	X3217.74	SERPINE2	2	224839762
Schizophrenia	X3367.8	FETUB	3	186353758
Post-traumatic stress disorder	X4459.68	PCSK7	11	117075053
Bipolar disorder	X4337.49	CRP	1	159682079
Post-traumatic stress disorder	X7638.30	LMAN2	5	176742806
Bipolar disorder	X2985.35	CXCL1	4	74735110
Post-traumatic stress disorder	X4420.7	ADAM12	10	127700950
Post-traumatic stress disorder	X3052.8	FASLG	1	172628243

Major depressive disorder	X2796.62	FGA	4	155504280
Major depressive disorder	X2796.62	FGB	4	155484163
Major depressive disorder	X2796.62	FGG	4	155525286
Bipolar disorder	X2474.54	APCS	1	159557616
Schizophrenia	X4775.34	GSN	9	123970072
Post-traumatic stress disorder	X4179.57	YWHAB	20	43514343
Post-traumatic stress disorder	X4179.57	YWHAE	17	1247569
Post-traumatic stress disorder	X4179.57	YWHAG	7	75956116
Post-traumatic stress disorder	X4179.57	YWHAH	22	32340508
Post-traumatic stress disorder	X4179.57	YWHAQ	2	9724096
Post-traumatic stress disorder	X4179.57	YWHAZ	8	101928751
Post-traumatic stress disorder	X4179.57	SFN	1	27189640
Schizophrenia	X3035.80	IL19	1	206944109
Bipolar disorder	X4775.34	GSN	9	123970072
Bipolar disorder	X2789.26	MMP7	11	102391239
Anorexia nervosa	X5352.11	TNFRSF14	1	2487078
Bipolar disorder	X4152.58	KLKB1	4	187130133
Major depressive disorder	X3608.12	DPP7	9	140004998
Post-traumatic stress disorder	X5947.90	THPO	3	184089723
Bipolar disorder	X3593.72	CASP3	4	185548850
Post-traumatic stress disorder	X3344.60	SERPINC1	1	173872938
Schizophrenia	X3066.12	LGALS3	14	55590828
Attention deficit hyperactivity disorder	X3470.1	SELE	1	169691781
Attention deficit hyperactivity disorder	X13090.17	S100A6	1	153507075
Anorexia nervosa	X9201.13	TAGLN2	1	159887897
Bipolar disorder	X5018.68	PRDX6	1	173446469
Anorexia nervosa	X5112.73	CD200	3	112051194
Anorexia nervosa	X14151.4	ISG15	1	936518
Anorexia nervosa	X4374.45	GDF15	19	18485541
Bipolar disorder	X3470.1	SELE	1	169691781
Attention deficit hyperactivity disorder	X2985.35	CXCL1	4	74735110
Major depressive disorder	X4891.50	GCG	2	162999392
Post-traumatic stress disorder	X3627.71	MMEL1	1	2522078
Anorexia nervosa	X3283.21	TGFBI	5	135364677
Anorexia nervosa	X2985.35	CXCL1	4	74735110
Major depressive disorder	X14153.8	EFNA3	1	155051313
Attention deficit hyperactivity disorder	X4209.60	VTA1	6	142468299
Major depressive disorder	X5014.49	NCK1	3	136581050
Attention deficit hyperactivity disorder	X4775.34	GSN	9	123970072
Anorexia nervosa	X3581.53	AHSG	3	186330849
Attention deficit hyperactivity disorder	X4904.7	CASP2	7	142985308
Anorexia nervosa	X4543.65	COL23A1	5	177664477
Schizophrenia	X5350.14	GPC6	13	93879060
Bipolar disorder	X4535.50	BST1	4	15704688
Schizophrenia	X5509.7	EGF	4	110834039

Anorexia nervosa	X2618.10	ERBB4	2	212240442
Major depressive disorder	X4989.7	FGG	4	155525286
Schizophrenia	X3581.53	AHSG	3	186330849
Anorexia nervosa	X3593.72	CASP3	4	185548850
Anorexia nervosa	X3052.8	FASLG	1	172628243
Bipolar disorder	X13126.52	DSC2	18	28638806
Attention deficit hyperactivity disorder	X14116.129	S100A4	1	153516089
Attention deficit hyperactivity disorder	X4151.6	PLG	6	161123270
Major depressive disorder	X4499.21	PDGFA	7	536895
Anorexia nervosa	X5008.51	SOD2	6	160090101
Attention deficit hyperactivity disorder	X3194.36	GP6	19	55525073
Attention deficit hyperactivity disorder	X3074.6	LBP	20	36974885
Schizophrenia	X3593.72	CASP3	4	185548850
Major depressive disorder	X3059.50	TNFSF13B	13	108903588
Attention deficit hyperactivity disorder	X5852.6	S100A12	1	153346187
Attention deficit hyperactivity disorder	X5227.60	PDK1	2	173420101
Anorexia nervosa	X5125.6	SIGLEC14	19	52142731
Post-traumatic stress disorder	X3132.1	VEGFC	4	177604689
Major depressive disorder	X3642.4	CD84	1	160510885
Anorexia nervosa	X4906.35	F5	1	169481189
Major depressive disorder	X4915.64	HBB	11	5246694
Major depressive disorder	X4915.64	HBA1	16	226679
Major depressive disorder	X5509.7	EGF	4	110834039
Anorexia nervosa	X3316.58	SERPIND1	22	21128401
Anorexia nervosa	X3367.8	FETUB	3	186353758
Major depressive disorder	X3392.68	AKT1	14	105235686
Major depressive disorder	X3392.68	AKT2	19	40736224
Major depressive disorder	X3392.68	AKT3	1	243651535
Anorexia nervosa	X5107.7	NOTCH1	9	139388885
Major depressive disorder	X11514.196	CD59	11	33724556
Major depressive disorder	X3025.50	FGF2	4	123747863
Post-traumatic stress disorder	X2635.61	LAYN	11	111411005
Anorexia nervosa	X4904.7	CASP2	7	142985308
Major depressive disorder	X5457.5	COLEC12	18	316737
Anorexia nervosa	X3630.27	CADM3	1	159141399
Major depressive disorder	X3585.54	BSG	19	571277
Post-traumatic stress disorder	X3283.21	TGFBI	5	135364677
Anorexia nervosa	X3405.6	UFC1	1	161122566
Schizophrenia	X13126.52	DSC2	18	28638806
Post-traumatic stress disorder	X3049.61	PRSS1	7	142457319
Schizophrenia	X4712.28	APOD	3	195295576
Major depressive disorder	X2571.12	IGFBP3	7	45951844
Post-traumatic stress disorder	X3709.4	GPT	8	145728356
Attention deficit hyperactivity disorder	X4874.3	ANG	14	21152336
Anorexia nervosa	X5252.33	PDE11A	2	178487972

Anorexia nervosa	X3796.79	ANGPTL4	19	8428173
Major depressive disorder	X5825.49	IFNGR1	6	137518620
Attention deficit hyperactivity disorder	X5018.68	PRDX6	1	173446469
Attention deficit hyperactivity disorder	X9199.6	UBE2G2	21	46188495
Major depressive disorder	X2851.63	C5	9	123695265
Schizophrenia	X5957.30	SST	3	187386700
Major depressive disorder	X3082.9	ULBP2	6	150263150
Major depressive disorder	X4907.56	FGA	4	155504280
Major depressive disorder	X4907.56	FGB	4	155484163
Major depressive disorder	X4907.56	FGG	4	155525286
Anorexia nervosa	X3554.24	ADIPOQ	3	186560493
Anorexia nervosa	X2836.68	LCN2	9	130911350
Post-traumatic stress disorder	X4543.65	COL23A1	5	177664477
Attention deficit hyperactivity disorder	X3049.61	PRSS1	7	142457319
Anorexia nervosa	X4155.3	TNC	9	117781854
Post-traumatic stress disorder	X2780.35	LTF	3	46477136
Post-traumatic stress disorder	X4906.35	F5	1	169481189
Post-traumatic stress disorder	X3593.72	CASP3	4	185548850
Anorexia nervosa	X2944.66	NBL1	1	19923473
Major depressive disorder	X5035.7	TYMS	18	657653
Major depressive disorder	X5490.53	SPOCK1	5	136310987
Bipolar disorder	X3181.50	CTSS	1	150702555
Post-traumatic stress disorder	X3169.70	IDUA	4	980785
Major depressive disorder	X2838.53	MMP17	12	132312938
Major depressive disorder	X3601.54	CHL1	3	238446
Anorexia nervosa	X3580.25	SERPINA1	14	94843084
Bipolar disorder	X5078.82	EPHB6	7	142552823
Post-traumatic stress disorder	X3858.5	ACP1	2	264140
Anorexia nervosa	X5253.1	PDE1A	2	183004695
Major depressive disorder	X5339.49	S100A9	1	153330330
Attention deficit hyperactivity disorder	X9212.22	CTSF	11	66330935
Attention deficit hyperactivity disorder	X9201.13	TAGLN2	1	159887897
Bipolar disorder	X5060.62	CD274	9	5450503
Post-traumatic stress disorder	X5063.12	CD244	1	160799950
Post-traumatic stress disorder	X5253.1	PDE1A	2	183004695
Bipolar disorder	X4543.65	COL23A1	5	177664477
Post-traumatic stress disorder	X5078.82	EPHB6	7	142552823
Attention deficit hyperactivity disorder	X5253.1	PDE1A	2	183004695
Anorexia nervosa	X2875.15	TBP	6	170863390
Attention deficit hyperactivity disorder	X3835.11	TLR2	4	154605222
Attention deficit hyperactivity disorder	X5008.51	SOD2	6	160090101
Schizophrenia	X11514.196	CD59	11	33724556
Major depressive disorder	X5112.73	CD200	3	112051194
Schizophrenia	X5018.68	PRDX6	1	173446469
Post-traumatic stress disorder	X3332.57	HJV	1	145398250

Post-traumatic stress disorder	X4546.27	ADGRE2	19	14843204
Post-traumatic stress disorder	X4209.60	VTA1	6	142468299
Post-traumatic stress disorder	X4155.3	TNC	9	117781854
Post-traumatic stress disorder	X3007.7	SIGLEC9	19	51628163
Post-traumatic stress disorder	X4995.16	HPGD	4	175411326
Post-traumatic stress disorder	X14133.93	IL1R2	2	102608422
Bipolar disorder	X4151.6	PLG	6	161123270
Post-traumatic stress disorder	X2765.4	GDF11	12	56136906
Post-traumatic stress disorder	X2765.4	MSTN	2	190920426
Major depressive disorder	X2381.52	C5	9	123695265
Attention deficit hyperactivity disorder	X3069.52	IGHM	14	106318037
Attention deficit hyperactivity disorder	X3069.52	JCHAIN	4	71521258
Attention deficit hyperactivity disorder	X3069.52	IGK	2	89156874
Attention deficit hyperactivity disorder	X3069.52	IGHM	14	106318037
Major depressive disorder	X14583.49	MSTN	2	190920426
Anorexia nervosa	X2765.4	GDF11	12	56136906
Anorexia nervosa	X2765.4	MSTN	2	190920426
Anorexia nervosa	X7655.11	NPPB	1	11917521
Attention deficit hyperactivity disorder	X2614.28	EFNA4	1	155036213
Anorexia nervosa	X2638.12	CSF1R	5	149432854
Post-traumatic stress disorder	X2992.59	IL17RA	22	17565844
Post-traumatic stress disorder	X4964.67	ERAP1	5	96096514
Post-traumatic stress disorder	X3323.37	LRP8	1	53708036
Post-traumatic stress disorder	X2953.31	CGA	6	87795216
Post-traumatic stress disorder	X2953.31	LHB	19	49519237
Major depressive disorder	X3728.52	SCT	11	626309
Anorexia nervosa	X13126.52	DSC2	18	28638806
Post-traumatic stress disorder	X3339.33	THBS2	6	169615875
Post-traumatic stress disorder	X4914.10	CGA	6	87795216
Post-traumatic stress disorder	X4914.10	CGB3	19	49526126
Post-traumatic stress disorder	X3292.75	CD48	1	160648536
Major depressive disorder	X3477.63	NTRK1	1	156785432
Major depressive disorder	X3415.61	IBSP	4	88720706
Post-traumatic stress disorder	X5134.52	HAVCR2	5	156512433
Anorexia nervosa	X3332.57	HJV	1	145398250
Attention deficit hyperactivity disorder	X4187.49	PGD	1	10458649
Anorexia nervosa	X3477.63	NTRK1	1	156785432
Post-traumatic stress disorder	X3486.58	FGF1	5	141971743
Schizophrenia	X3605.77	MASP1	3	186935070
Bipolar disorder	X9201.13	TAGLN2	1	159887897
Post-traumatic stress disorder	X3392.68	AKT1	14	105235686
Post-traumatic stress disorder	X3392.68	AKT2	19	40736224
Post-traumatic stress disorder	X3392.68	AKT3	1	243651535
Anorexia nervosa	X4989.7	FGG	4	155525286
Post-traumatic stress disorder	X3312.64	FCGR1A	1	149754227

Major depressive disorder	X8474.6	ROR1	1	64239688
Schizophrenia	X3484.60	AGT	1	230826522
Anorexia nervosa	X2796.62	FGA	4	155504280
Anorexia nervosa	X2796.62	FGB	4	155484163
Anorexia nervosa	X2796.62	FGG	4	155525286
Attention deficit hyperactivity disorder	X2796.62	FGA	4	155504280
Attention deficit hyperactivity disorder	X2796.62	FGB	4	155484163
Attention deficit hyperactivity disorder	X2796.62	FGG	4	155525286
Bipolar disorder	X14135.3	RXFP1	4	159236463
Anorexia nervosa	X3043.49	SPARC	5	151040657
Bipolar disorder	X3066.12	LGALS3	14	55590828
Schizophrenia	X5060.62	CD274	9	5450503
Attention deficit hyperactivity disorder	X9183.7	IFNAR1	21	34696692
Bipolar disorder	X5468.67	IL17RC	3	9958758
Schizophrenia	X3049.61	PRSS1	7	142457319
Bipolar disorder	X5509.7	EGF	4	110834039
Bipolar disorder	X3477.63	NTRK1	1	156785432
Schizophrenia	X3069.52	IGHM	14	106318037
Schizophrenia	X3069.52	JCHAIN	4	71521258
Schizophrenia	X3069.52	IGK	2	89156874
Schizophrenia	X3069.52	IGHM	14	106318037
Anorexia nervosa	X10358.33	MCL1	1	150533371
Post-traumatic stress disorder	X3181.50	CTSS	1	150702555
Attention deficit hyperactivity disorder	X3709.4	GPT	8	145728356
Attention deficit hyperactivity disorder	X14134.49	AMIGO2	12	47469490
Attention deficit hyperactivity disorder	X5078.82	EPHB6	7	142552823
Bipolar disorder	X3630.27	CADM3	1	159141399
Bipolar disorder	X2731.29	POR	7	75528518
Major depressive disorder	X3057.55	CCN2	6	132269316
Anorexia nervosa	X4907.56	FGA	4	155504280
Anorexia nervosa	X4907.56	FGB	4	155484163
Anorexia nervosa	X4907.56	FGG	4	155525286
Post-traumatic stress disorder	X3069.52	IGHM	14	106318037
Post-traumatic stress disorder	X3069.52	JCHAIN	4	71521258
Post-traumatic stress disorder	X3069.52	IGK	2	89156874
Post-traumatic stress disorder	X3069.52	IGHM	14	106318037
Post-traumatic stress disorder	X14583.49	MSTN	2	190920426
Anorexia nervosa	X14134.49	AMIGO2	12	47469490
Schizophrenia	X3392.68	AKT1	14	105235686
Schizophrenia	X3392.68	AKT2	19	40736224
Schizophrenia	X3392.68	AKT3	1	243651535
Major depressive disorder	X2743.5	SHH	7	155592674
Attention deficit hyperactivity disorder	X5231.79	PCSK9	1	55505120
Post-traumatic stress disorder	X2638.12	CSF1R	5	149432854
Bipolar disorder	X4428.1	CHST2	3	142838613

Major depressive disorder	X3050.7	VWF	12	6058043
Attention deficit hyperactivity disorder	X5957.30	SST	3	187386700
Post-traumatic stress disorder	X3043.49	SPARC	5	151040657
Attention deficit hyperactivity disorder	X4907.56	FGA	4	155504280
Attention deficit hyperactivity disorder	X4907.56	FGB	4	155484163
Attention deficit hyperactivity disorder	X4907.56	FGG	4	155525286
Attention deficit hyperactivity disorder	X5509.7	EGF	4	110834039
Post-traumatic stress disorder	X3235.50	WFIKKN2	17	48912011
Bipolar disorder	X4450.26	HNRNPAB	5	177631534
Attention deficit hyperactivity disorder	X4160.49	MMP2	16	55423612
Attention deficit hyperactivity disorder	X2913.1	CCL23	17	34340096
Schizophrenia	X5245.40	PRKAA2	1	57110987
Schizophrenia	X5245.40	PRKAB2	1	146626685
Schizophrenia	X5245.40	PRKAG1	12	49396057
Anorexia nervosa	X4984.83	ESD	13	47345391
Anorexia nervosa	X9172.69	MMP8	11	102582527
Major depressive disorder	X4162.54	TF	3	133464884
Schizophrenia	X10365.132	IL12B	5	158741788
Schizophrenia	X10365.132	IL23A	12	56727958
Attention deficit hyperactivity disorder	X2474.54	APCS	1	159557616
Anorexia nervosa	X2636.10	LTBR	12	6484211
Anorexia nervosa	X5085.18	IL20RA	6	137321108
Bipolar disorder	X5008.51	SOD2	6	160090101
Anorexia nervosa	X5834.18	IL9	5	135227935
Schizophrenia	X3606.2	DDR2	1	162601163
Major depressive disorder	X4556.10	IL34	16	70613798
Anorexia nervosa	X5063.12	CD244	1	160799950
Major depressive disorder	X2638.12	CSF1R	5	149432854
Anorexia nervosa	X3082.9	ULBP2	6	150263150
Attention deficit hyperactivity disorder	X4479.14	SERPING1	11	57364860
Bipolar disorder	X3796.79	ANGPTL4	19	8428173
Post-traumatic stress disorder	X3082.9	ULBP2	6	150263150
Post-traumatic stress disorder	X5272.55	SHC1	1	154934774
Post-traumatic stress disorder	X3340.53	THBS4	5	79287134
Anorexia nervosa	X2831.29	KLK11	19	51525472
Anorexia nervosa	X5825.49	IFNGR1	6	137518620
Bipolar disorder	X5029.3	FAP	2	163027194
Attention deficit hyperactivity disorder	X5245.40	PRKAA2	1	57110987
Attention deficit hyperactivity disorder	X5245.40	PRKAB2	1	146626685
Attention deficit hyperactivity disorder	X5245.40	PRKAG1	12	49396057
Attention deficit hyperactivity disorder	X2571.12	IGFBP3	7	45951844
Attention deficit hyperactivity disorder	X4543.65	COL23A1	5	177664477
Anorexia nervosa	X3232.28	ACP5	19	11685468
Anorexia nervosa	X5947.90	THPO	3	184089723
Attention deficit hyperactivity disorder	X5091.28	LILRB2	19	54777666

Bipolar disorder	X2875.15	TBP	6	170863390
Post-traumatic stress disorder	X5060.62	CD274	9	5450503
Attention deficit hyperactivity disorder	X4428.1	CHST2	3	142838613
Schizophrenia	X4428.1	CHST2	3	142838613
Post-traumatic stress disorder	X4467.49	SPARCL1	4	88394487
Schizophrenia	X4995.16	HPGD	4	175411326
Attention deficit hyperactivity disorder	X5252.33	PDE11A	2	178487972
Anorexia nervosa	X14133.93	IL1R2	2	102608422
Post-traumatic stress disorder	X4430.44	COLEC11	2	3642422
Anorexia nervosa	X2743.5	SHH	7	155592674
Attention deficit hyperactivity disorder	X2682.68	HSPD1	2	198351308
Post-traumatic stress disorder	X4535.50	BST1	4	15704688
Post-traumatic stress disorder	X4428.1	CHST2	3	142838613
Attention deficit hyperactivity disorder	X4989.7	FGG	4	155525286
Anorexia nervosa	X3709.4	GPT	8	145728356
Post-traumatic stress disorder	X5112.73	CD200	3	112051194
Schizophrenia	X2728.62	LAMA1	18	6941741
Schizophrenia	X2728.62	LAMB1	7	107564244
Schizophrenia	X2728.62	LAMC1	1	182992555
Attention deficit hyperactivity disorder	X14153.8	EFNA3	1	155051313
Attention deficit hyperactivity disorder	X2836.68	LCN2	9	130911350
Schizophrenia	X5253.1	PDE1A	2	183004695
Major depressive disorder	X5107.7	NOTCH1	9	139388885
Post-traumatic stress disorder	X4328.2	BOC	3	112929850
Major depressive disorder	X3758.68	PROC	2	128176003
Anorexia nervosa	X5231.79	PCSK9	1	55505120
Anorexia nervosa	X4891.50	GCG	2	162999392
Post-traumatic stress disorder	X5008.51	SOD2	6	160090101
Post-traumatic stress disorder	X4297.62	SPON1	11	13984270
Schizophrenia	X14583.49	MSTN	2	190920426
Bipolar disorder	X5947.90	THPO	3	184089723
Schizophrenia	X5947.90	THPO	3	184089723
Post-traumatic stress disorder	X3405.6	UFC1	1	161122566
Attention deficit hyperactivity disorder	X2778.10	IL22	12	68642022
Bipolar disorder	X5227.60	PDK1	2	173420101
Schizophrenia	X2875.15	TBP	6	170863390
Bipolar disorder	X4541.49	CDON	11	125825691
Major depressive disorder	X3049.61	PRSS1	7	142457319
Anorexia nervosa	X3392.68	AKT1	14	105235686
Anorexia nervosa	X3392.68	AKT2	19	40736224
Anorexia nervosa	X3392.68	AKT3	1	243651535
Post-traumatic stress disorder	X5248.68	PPIF	10	81107225
Major depressive disorder	X3617.80	HGFAC	4	3443695
Major depressive disorder	X3312.64	FCGR1A	1	149754227
Attention deficit hyperactivity disorder	X5825.49	IFNGR1	6	137518620

Bipolar disorder	X8474.6	ROR1	1	64239688
Anorexia nervosa	X4995.16	HPGD	4	175411326
Major depressive disorder	X13126.52	DSC2	18	28638806
Post-traumatic stress disorder	X4968.50	CAPG	2	85621876
Bipolar disorder	X2618.10	ERBB4	2	212240442
Major depressive disorder	X10358.33	MCL1	1	150533371
Major depressive disorder	X3344.60	SERPINC1	1	173872938
Major depressive disorder	X7638.30	LMAN2	5	176742806
Bipolar disorder	X3332.57	HJV	1	145398250
Attention deficit hyperactivity disorder	X3066.12	LGALS3	14	55590828
Attention deficit hyperactivity disorder	X5107.7	NOTCH1	9	139388885
Anorexia nervosa	X5335.73	ANXA6	5	150480267
Anorexia nervosa	X5245.40	PRKAA2	1	57110987
Anorexia nervosa	X5245.40	PRKAB2	1	146626685
Anorexia nervosa	X5245.40	PRKAG1	12	49396057
Anorexia nervosa	X5457.5	COLEC12	18	316737
Major depressive disorder	X4209.60	VTA1	6	142468299
Bipolar disorder	X3344.60	SERPINC1	1	173872938
Major depressive disorder	X3580.25	SERPINA1	14	94843084
Major depressive disorder	X5253.1	PDE1A	2	183004695
Bipolar disorder	X5252.33	PDE11A	2	178487972
Schizophrenia	X2836.68	LCN2	9	130911350
Post-traumatic stress disorder	X3835.11	TLR2	4	154605222
Post-traumatic stress disorder	X14153.8	EFNA3	1	155051313
Attention deficit hyperactivity disorder	X8474.6	ROR1	1	64239688
Anorexia nervosa	X3415.61	IBSP	4	88720706
Post-traumatic stress disorder	X10358.33	MCL1	1	150533371
Post-traumatic stress disorder	X7628.40	CRELD1	3	9975477
Attention deficit hyperactivity disorder	X5012.67	AK1	9	130628765
Post-traumatic stress disorder	X3470.1	SELE	1	169691781
Major depressive disorder	X3902.21	SKP1	5	133484626
Major depressive disorder	X5335.73	ANXA6	5	150480267
Post-traumatic stress disorder	X3195.50	GNLY	2	85912298
Anorexia nervosa	X5084.154	IL17RB	3	53880595
Schizophrenia	X5063.12	CD244	1	160799950
Anorexia nervosa	X8467.9	INHBA	7	41706766
Anorexia nervosa	X8467.9	INHBB	2	121103712
Post-traumatic stress disorder	X5252.33	PDE11A	2	178487972
Major depressive disorder	X5078.82	EPHB6	7	142552823
Post-traumatic stress disorder	X3054.3	HP	16	72088404
Bipolar disorder	X4995.16	HPGD	4	175411326
Post-traumatic stress disorder	X2944.66	NBL1	1	19923473
Anorexia nervosa	X5225.50	CSNK2A1	20	453142
Anorexia nervosa	X5225.50	CSNK2B	6	31633004
Schizophrenia	X3554.24	ADIPOQ	3	186560493

Post-traumatic stress disorder	X3457.57	POSTN	13	38136720
Anorexia nervosa	X3606.2	DDR2	1	162601163
Post-traumatic stress disorder	X2875.15	TBP	6	170863390
Anorexia nervosa	X3378.49	KLK7	19	51479724
Anorexia nervosa	X9176.3	MUC1	1	155158300
Post-traumatic stress disorder	X11102.22	REG4	1	120336640
Bipolar disorder	X5080.131	GPNMB	7	23275586
Major depressive disorder	X2975.19	CCN2	6	132269316
Anorexia nervosa	X4139.71	IL6R	1	154377669
Post-traumatic stress disorder	X3630.27	CADM3	1	159141399
Major depressive disorder	X4151.6	PLG	6	161123270
Attention deficit hyperactivity disorder	X3710.49	PLG	6	161123270
Anorexia nervosa	X3194.36	GP6	19	55525073
Bipolar disorder	X3606.2	DDR2	1	162601163
Post-traumatic stress disorder	X3633.70	NID2	14	52471527
Anorexia nervosa	X2778.10	IL22	12	68642022
Bipolar disorder	X4297.62	SPON1	11	13984270
Attention deficit hyperactivity disorder	X5014.49	NCK1	3	136581050
Attention deficit hyperactivity disorder	X2743.5	SHH	7	155592674
Post-traumatic stress disorder	X5352.11	TNFRSF14	1	2487078
Post-traumatic stress disorder	X3583.54	ARSA	22	51061182
Schizophrenia	X4891.50	GCG	2	162999392
Anorexia nervosa	X4160.49	MMP2	16	55423612
Anorexia nervosa	X4929.55	SHBG	17	7517264
Post-traumatic stress disorder	X14151.4	ISG15	1	936518
Anorexia nervosa	X5129.12	SCARF1	17	1537152
Post-traumatic stress disorder	X9201.13	TAGLN2	1	159887897
Attention deficit hyperactivity disorder	X4891.50	GCG	2	162999392
Attention deficit hyperactivity disorder	X5337.64	CD86	3	121774209
Post-traumatic stress disorder	X13126.52	DSC2	18	28638806
Anorexia nervosa	X4467.49	SPARCL1	4	88394487
Attention deficit hyperactivity disorder	X11514.196	CD59	11	33724556
Post-traumatic stress disorder	X3580.25	SERPINA1	14	94843084
Major depressive disorder	X4929.55	SHBG	17	7517264
Anorexia nervosa	X8479.4	MMP10	11	102641233
Attention deficit hyperactivity disorder	X5272.55	SHC1	1	154934774
Post-traumatic stress disorder	X9177.6	FAM3B	21	42676139
Attention deficit hyperactivity disorder	X3508.78	CCL22	16	57392695
Attention deficit hyperactivity disorder	X3630.27	CADM3	1	159141399
Anorexia nervosa	X3835.11	TLR2	4	154605222
Bipolar disorder	X4907.56	FGA	4	155504280
Bipolar disorder	X4907.56	FGB	4	155484163
Bipolar disorder	X4907.56	FGG	4	155525286
Post-traumatic stress disorder	X5400.52	LEPR	1	65886335
Bipolar disorder	X2765.4	GDF11	12	56136906

Bipolar disorder	X2765.4	MSTN	2	190920426
Post-traumatic stress disorder	X9176.3	MUC1	1	155158300
Anorexia nervosa	X5014.49	NCK1	3	136581050
Major depressive disorder	X3069.52	IGHM	14	106318037
Major depressive disorder	X3069.52	JCHAIN	4	71521258
Major depressive disorder	X3069.52	IGK	2	89156874
Major depressive disorder	X3069.52	IGHM	14	106318037
Schizophrenia	X5227.60	PDK1	2	173420101
Bipolar disorder	X2796.62	FGA	4	155504280
Bipolar disorder	X2796.62	FGB	4	155484163
Bipolar disorder	X2796.62	FGG	4	155525286
Post-traumatic stress disorder	X3642.4	CD84	1	160510885
Major depressive disorder	X14158.17	ANXA5	4	122589101
Post-traumatic stress disorder	X10365.132	IL12B	5	158741788
Post-traumatic stress disorder	X10365.132	IL23A	12	56727958
Post-traumatic stress disorder	X5335.73	ANXA6	5	150480267
Major depressive disorder	X3043.49	SPARC	5	151040657
Anorexia nervosa	X3344.60	SERPINC1	1	173872938
Post-traumatic stress disorder	X4775.34	GSN	9	123970072
Post-traumatic stress disorder	X2778.10	IL22	12	68642022
Post-traumatic stress disorder	X4337.49	CRP	1	159682079
Post-traumatic stress disorder	X5014.49	NCK1	3	136581050
Attention deficit hyperactivity disorder	X5085.18	IL20RA	6	137321108
Attention deficit hyperactivity disorder	X3292.75	CD48	1	160648536
Attention deficit hyperactivity disorder	X4920.10	LYZ	12	69742161
Post-traumatic stress disorder	X5825.49	IFNGR1	6	137518620
Anorexia nervosa	X2358.19	FLT4	5	180028506
Bipolar disorder	X3710.49	PLG	6	161123270
Anorexia nervosa	X5060.62	CD274	9	5450503
Anorexia nervosa	X14153.8	EFNA3	1	155051313
Bipolar disorder	X5339.49	S100A9	1	153330330
Attention deficit hyperactivity disorder	X2774.10	IL16	15	81451916
Post-traumatic stress disorder	X3647.49	TLR4	9	120466453
Post-traumatic stress disorder	X3647.49	LY96	8	74903627
Post-traumatic stress disorder	X2844.53	TIE1	1	43766653
Attention deficit hyperactivity disorder	X4535.50	BST1	4	15704688
Attention deficit hyperactivity disorder	X3405.6	UFC1	1	161122566
Bipolar disorder	X4891.50	GCG	2	162999392
Major depressive disorder	X2765.4	GDF11	12	56136906
Major depressive disorder	X2765.4	MSTN	2	190920426
Major depressive disorder	X13090.17	S100A6	1	153507075
Post-traumatic stress disorder	X8467.9	INHBA	7	41706766
Post-traumatic stress disorder	X8467.9	INHBB	2	121103712
Post-traumatic stress disorder	X3894.15	NAGK	2	71291474
Anorexia nervosa	X4915.64	HBB	11	5246694

Anorexia nervosa	X4915.64	HBA1	16	226679
Bipolar disorder	X3069.52	IGHM	14	106318037
Bipolar disorder	X3069.52	JCHAIN	4	71521258
Bipolar disorder	X3069.52	IGK	2	89156874
Bipolar disorder	X3069.52	IGHM	14	106318037
Bipolar disorder	X3605.77	MASP1	3	186935070
Anorexia nervosa	X3069.52	IGHM	14	106318037
Anorexia nervosa	X3069.52	JCHAIN	4	71521258
Anorexia nervosa	X3069.52	IGK	2	89156874
Anorexia nervosa	X3069.52	IGHM	14	106318037
Schizophrenia	X2841.13	FRZB	2	183698002
Post-traumatic stress disorder	X2636.10	LTBR	12	6484211
Anorexia nervosa	X9177.6	FAM3B	21	42676139
Bipolar disorder	X2571.12	IGFBP3	7	45951844
Anorexia nervosa	X2625.53	HSP90AA1	14	102547079
Anorexia nervosa	X2625.53	HSP90AB1	6	44213903
Major depressive disorder	X3808.76	FGFR2	10	123237846
Post-traumatic stress disorder	X5085.18	IL20RA	6	137321108
Post-traumatic stress disorder	X5509.7	EGF	4	110834039
Major depressive disorder	X2358.19	FLT4	5	180028506
Attention deficit hyperactivity disorder	X3449.58	SERPINA4	14	95027779
Anorexia nervosa	X3061.61	CTSB	8	11700033
Schizophrenia	X5029.3	FAP	2	163027194
Schizophrenia	X3217.74	SERPINE2	2	224839762
Major depressive disorder	X5227.60	PDK1	2	173420101
Post-traumatic stress disorder	X3617.80	HGFAC	4	3443695
Attention deficit hyperactivity disorder	X2888.49	C7	5	40909594
Anorexia nervosa	X3074.6	LBP	20	36974885
Bipolar disorder	X3486.58	FGF1	5	141971743
Anorexia nervosa	X3066.12	LGALS3	14	55590828
Post-traumatic stress disorder	X9183.7	IFNAR1	21	34696692
Post-traumatic stress disorder	X6649.51	NTN1	17	8924827
Anorexia nervosa	X5012.67	AK1	9	130628765
Post-traumatic stress disorder	X3044.3	CCL18	17	34391632
Anorexia nervosa	X2571.12	IGFBP3	7	45951844
Attention deficit hyperactivity disorder	X10358.33	MCL1	1	150533371
Major depressive disorder	X4138.25	IL20	1	207038968
Anorexia nervosa	X4535.50	BST1	4	15704688
Attention deficit hyperactivity disorder	X3032.11	CGA	6	87795216
Attention deficit hyperactivity disorder	X3032.11	FSHB	11	30252561
Anorexia nervosa	X5018.68	PRDX6	1	173446469
Bipolar disorder	X3292.75	CD48	1	160648536
Major depressive disorder	X3132.1	VEGFC	4	177604689
Post-traumatic stress disorder	X3316.58	SERPIND1	22	21128401
Major depressive disorder	X14151.4	ISG15	1	936518

Schizophrenia	X5014.49	NCK1	3	136581050
Attention deficit hyperactivity disorder	X3457.57	POSTN	13	38136720
Major depressive disorder	X4337.49	CRP	1	159682079
Anorexia nervosa	X2614.28	EFNA4	1	155036213
Anorexia nervosa	X4549.78	FUT5	19	5865837
Attention deficit hyperactivity disorder	X14135.3	RXFP1	4	159236463
Post-traumatic stress disorder	X13118.5	SMOC1	14	70320848
Anorexia nervosa	X5810.25	TDGF1	3	46616024
Attention deficit hyperactivity disorder	X4337.49	CRP	1	159682079
Anorexia nervosa	X3122.6	DIABLO	12	122692210
Post-traumatic stress disorder	X2614.28	EFNA4	1	155036213
Bipolar disorder	X4989.7	FGG	4	155525286
Post-traumatic stress disorder	X5468.67	IL17RC	3	9958758
Schizophrenia	X3580.25	SERPINA1	14	94843084
Attention deficit hyperactivity disorder	X4533.76	ADAMTS1	11	130318540
Schizophrenia	X3630.27	CADM3	1	159141399
Anorexia nervosa	X4775.34	GSN	9	123970072
Major depressive disorder	X14134.49	AMIGO2	12	47469490
Bipolar disorder	X3082.9	ULBP2	6	150263150
Major depressive disorder	X9201.13	TAGLN2	1	159887897
Anorexia nervosa	X10365.132	IL12B	5	158741788
Anorexia nervosa	X10365.132	IL23A	12	56727958
Post-traumatic stress disorder	X3378.49	KLK7	19	51479724
Attention deficit hyperactivity disorder	X13094.75	RSPO3	6	127439816
Attention deficit hyperactivity disorder	X2612.5	EIF5	14	103799881
Anorexia nervosa	X5903.91	HSPA8	11	122928197
Schizophrenia	X3477.63	NTRK1	1	156785432
Attention deficit hyperactivity disorder	X3332.57	HJV	1	145398250
Major depressive disorder	X4924.32	MMP1	11	102660132
Schizophrenia	X3052.8	FASLG	1	172628243
Post-traumatic stress disorder	X13090.17	S100A6	1	153507075
Anorexia nervosa	X4903.72	PPP3CA	4	101944566
Anorexia nervosa	X4903.72	PPP3R1	2	68405989
Schizophrenia	X3835.11	TLR2	4	154605222
Major depressive disorder	X5068.54	CRTAM	11	122709208
Schizophrenia	X3888.8	ING1	13	111365083
Bipolar disorder	X2614.28	EFNA4	1	155036213
Post-traumatic stress disorder	X4160.49	MMP2	16	55423612
Major depressive disorder	X3710.49	PLG	6	161123270
Attention deficit hyperactivity disorder	X3291.30	FCER2	19	7753644
Major depressive disorder	X4179.57	YWHAB	20	43514343
Major depressive disorder	X4179.57	YWHAE	17	1247569
Major depressive disorder	X4179.57	YWHAG	7	75956116
Major depressive disorder	X4179.57	YWHAH	22	32340508
Major depressive disorder	X4179.57	YWHAQ	2	9724096

Major depressive disorder	X4179.57	YWHAZ	8	101928751
Major depressive disorder	X4179.57	SFN	1	27189640
Major depressive disorder	X4482.66	C5	9	123695265
Major depressive disorder	X4482.66	C6	5	41142218
Post-traumatic stress disorder	X5934.1	FTH1	11	61727190
Post-traumatic stress disorder	X5934.1	FTL	19	49468566
Anorexia nervosa	X4428.1	CHST2	3	142838613
Post-traumatic stress disorder	X4342.10	ICAM1	19	10381769
Major depressive disorder	X2501.51	CDH1	16	68771195
Bipolar disorder	X4179.57	YWHAB	20	43514343
Bipolar disorder	X4179.57	YWHAE	17	1247569
Bipolar disorder	X4179.57	YWHAG	7	75956116
Bipolar disorder	X4179.57	YWHAH	22	32340508
Bipolar disorder	X4179.57	YWHAQ	2	9724096
Bipolar disorder	X4179.57	YWHAZ	8	101928751
Bipolar disorder	X4179.57	SFN	1	27189640
Schizophrenia	X14153.8	EFNA3	1	155051313
Post-traumatic stress disorder	X14139.16	NRG4	15	76228310
Bipolar disorder	X3415.61	IBSP	4	88720706
Post-traumatic stress disorder	X3606.2	DDR2	1	162601163
Post-traumatic stress disorder	X3061.61	CTSB	8	11700033
Attention deficit hyperactivity disorder	X3486.58	FGF1	5	141971743
Major depressive disorder	X4995.16	HPGD	4	175411326
Anorexia nervosa	X14116.129	S100A4	1	153516089
Attention deficit hyperactivity disorder	X5335.73	ANXA6	5	150480267
Anorexia nervosa	X5339.49	S100A9	1	153330330
Bipolar disorder	X8467.9	INHBA	7	41706766
Bipolar disorder	X8467.9	INHBB	2	121103712
Anorexia nervosa	X2781.63	CCL4L1	17	34538310
Attention deficit hyperactivity disorder	X5353.89	IL1RN	2	113856892
Attention deficit hyperactivity disorder	X5934.1	FTH1	11	61727190
Attention deficit hyperactivity disorder	X5934.1	FTL	19	49468566
Schizophrenia	X4138.25	IL20	1	207038968
Schizophrenia	X4179.57	YWHAB	20	43514343
Schizophrenia	X4179.57	YWHAE	17	1247569
Schizophrenia	X4179.57	YWHAG	7	75956116
Schizophrenia	X4179.57	YWHAH	22	32340508
Schizophrenia	X4179.57	YWHAQ	2	9724096
Schizophrenia	X4179.57	YWHAZ	8	101928751
Schizophrenia	X4179.57	SFN	1	27189640
Bipolar disorder	X3392.68	AKT1	14	105235686
Bipolar disorder	X3392.68	AKT2	19	40736224
Bipolar disorder	X3392.68	AKT3	1	243651535
Attention deficit hyperactivity disorder	X3606.2	DDR2	1	162601163
Post-traumatic stress disorder	X5080.131	GPNMB	7	23275586

Bipolar disorder	X11514.196	CD59	11	33724556
Major depressive disorder	X3292.75	CD48	1	160648536
Post-traumatic stress disorder	X5363.51	SEMA3E	7	82992554
Post-traumatic stress disorder	X11514.196	CD59	11	33724556
Bipolar disorder	X3405.6	UFC1	1	161122566
Major depressive disorder	X4543.65	COL23A1	5	177664477
Schizophrenia	X5078.82	EPHB6	7	142552823
Anorexia nervosa	X8465.52	CTSH	15	79213400
Post-traumatic stress disorder	X2781.63	CCL4L1	17	34538310
Anorexia nervosa	X14135.3	RXFP1	4	159236463
Major depressive disorder	X5852.6	S100A12	1	153346187
Post-traumatic stress disorder	X2631.50	IL10RB	21	34638672
Anorexia nervosa	X4971.1	CTSZ	20	57560741
Bipolar disorder	X2668.70	CAPN1	11	64948037
Bipolar disorder	X2668.70	CAPNS1	19	36630855
Post-traumatic stress disorder	X3503.4	ITGA1	5	52083750
Post-traumatic stress disorder	X3503.4	ITGB1	10	33176201
Anorexia nervosa	X2381.52	C5	9	123695265
Bipolar disorder	X3554.24	ADIPOQ	3	186560493
Anorexia nervosa	X3738.54	CSF1	1	110452864
Schizophrenia	X9176.3	MUC1	1	155158300
Anorexia nervosa	X2998.53	JAM3	11	133938966
Anorexia nervosa	X4342.10	ICAM1	19	10381769
Post-traumatic stress disorder	X3232.28	ACP5	19	11685468
Bipolar disorder	X5253.1	PDE1A	2	183004695
Post-traumatic stress disorder	X2571.12	IGFBP3	7	45951844
Major depressive disorder	X3405.6	UFC1	1	161122566
Post-traumatic stress disorder	X4407.10	MST1	3	49721380
Schizophrenia	X5335.73	ANXA6	5	150480267
Schizophrenia	X4907.56	FGA	4	155504280
Schizophrenia	X4907.56	FGB	4	155484163
Schizophrenia	X4907.56	FGG	4	155525286
Attention deficit hyperactivity disorder	X3082.9	ULBP2	6	150263150
Anorexia nervosa	X14132.21	HHLA2	3	108015376
Post-traumatic stress disorder	X2762.30	FGF19	11	69513006
Anorexia nervosa	X2612.5	EIF5	14	103799881
Post-traumatic stress disorder	X5125.6	SIGLEC14	19	52142731
Anorexia nervosa	X5227.60	PDK1	2	173420101
Anorexia nervosa	X4962.52	CDNF	10	14861244
Major depressive disorder	X3029.52	CD209	19	7804879
Schizophrenia	X9201.13	TAGLN2	1	159887897
Post-traumatic stress disorder	X2961.1	PROC	2	128176003
Schizophrenia	X2614.28	EFNA4	1	155036213
Post-traumatic stress disorder	X3758.68	PROC	2	128176003
Anorexia nervosa	X4499.21	PDGFA	7	536895

Schizophrenia	X3082.9	ULBP2	6	150263150
Attention deficit hyperactivity disorder	X2900.53	CCL14	17	34310324
Anorexia nervosa	X3585.54	BSG	19	571277
Anorexia nervosa	X4337.49	CRP	1	159682079
Post-traumatic stress disorder	X3032.11	CGA	6	87795216
Post-traumatic stress disorder	X3032.11	FSHB	11	30252561
Post-traumatic stress disorder	X2681.23	HGF	7	81328326
Major depressive disorder	X5080.131	GPNMB	7	23275586
Schizophrenia	X4915.64	HBB	11	5246694
Schizophrenia	X4915.64	HBA1	16	226679
Attention deficit hyperactivity disorder	X3477.63	NTRK1	1	156785432
Anorexia nervosa	X5465.32	HS6ST1	2	128994290
Attention deficit hyperactivity disorder	X3344.60	SERPINC1	1	173872938
Major depressive disorder	X5245.40	PRKAA2	1	57110987
Major depressive disorder	X5245.40	PRKAB2	1	146626685
Major depressive disorder	X5245.40	PRKAG1	12	49396057
Anorexia nervosa	X3601.54	CHL1	3	238446
Post-traumatic stress disorder	X3415.61	IBSP	4	88720706
Post-traumatic stress disorder	X5353.89	IL1RN	2	113856892
Anorexia nervosa	X2501.51	CDH1	16	68771195
Post-traumatic stress disorder	X4234.8	IL1RL1	2	102927962
Major depressive disorder	X4903.72	PPP3CA	4	101944566
Major depressive disorder	X4903.72	PPP3R1	2	68405989
Post-traumatic stress disorder	X8484.24	LEP	7	127881331
Major depressive disorder	X4428.1	CHST2	3	142838613
Anorexia nervosa	X2844.53	TIE1	1	43766653
Post-traumatic stress disorder	X8474.6	ROR1	1	64239688
Post-traumatic stress disorder	X4989.7	FGG	4	155525286
Post-traumatic stress disorder	X5491.12	SPOCK2	10	73818792
Anorexia nervosa	X4135.84	IGHE	14	106064028
Anorexia nervosa	X4135.84	IGK	2	89156874
Anorexia nervosa	X4135.84	IGHE	14	106064028
Anorexia nervosa	X5490.53	SPOCK1	5	136310987
Schizophrenia	X2998.53	JAM3	11	133938966
Attention deficit hyperactivity disorder	X3057.55	CCN2	6	132269316
Anorexia nervosa	X5509.7	EGF	4	110834039
Major depressive disorder	X2961.1	PROC	2	128176003
Post-traumatic stress disorder	X4556.10	IL34	16	70613798
Attention deficit hyperactivity disorder	X2906.55	IL4	5	132009678
Major depressive disorder	X5029.3	FAP	2	163027194
Major depressive disorder	X5465.32	HS6ST1	2	128994290
Post-traumatic stress disorder	X5091.28	LILRB2	19	54777666
Attention deficit hyperactivity disorder	X11071.1	IL5	5	131877137
Major depressive disorder	X14132.21	HHLA2	3	108015376
Major depressive disorder	X4135.84	IGHE	14	106064028

Major depressive disorder	X4135.84	IGK	2	89156874
Major depressive disorder	X4135.84	IGHE	14	106064028
Post-traumatic stress disorder	X13094.75	RSPO3	6	127439816
Anorexia nervosa	X5363.51	SEMA3E	7	82992554
Post-traumatic stress disorder	X3891.56	MBD4	3	129149790
Bipolar disorder	X4564.2	PLXNC1	12	94542353
Anorexia nervosa	X2668.70	CAPN1	11	64948037
Anorexia nervosa	X2668.70	CAPNS1	19	36630855
Anorexia nervosa	X3808.76	FGFR2	10	123237846
Bipolar disorder	X13090.17	S100A6	1	153507075
Schizophrenia	X4989.7	FGG	4	155525286
Bipolar disorder	X10365.132	IL12B	5	158741788
Bipolar disorder	X10365.132	IL23A	12	56727958
Attention deficit hyperactivity disorder	X5900.11	HINT1	5	130491076
Schizophrenia	X5825.49	IFNGR1	6	137518620
Post-traumatic stress disorder	X2900.53	CCL14	17	34310324
Post-traumatic stress disorder	X2744.57	IGHG1	14	106202680
Post-traumatic stress disorder	X2744.57	IGHG2	14	106105896
Post-traumatic stress disorder	X2744.57	IGHG3	14	106230840
Post-traumatic stress disorder	X2744.57	IGHG4	14	106086843
Post-traumatic stress disorder	X2744.57	IGHG1	14	106202680
Post-traumatic stress disorder	X2744.57	IGLC6	22	23261707
Anorexia nervosa	X3603.60	CLEC7A	12	10269376
Bipolar disorder	X5085.18	IL20RA	6	137321108
Anorexia nervosa	X2474.54	APCS	1	159557616
Bipolar disorder	X5245.40	PRKAA2	1	57110987
Bipolar disorder	X5245.40	PRKAB2	1	146626685
Bipolar disorder	X5245.40	PRKAG1	12	49396057
Major depressive disorder	X5018.68	PRDX6	1	173446469
Anorexia nervosa	X3891.56	MBD4	3	129149790
Post-traumatic stress disorder	X3290.50	CD109	6	74405508
Anorexia nervosa	X5256.86	PDE5A	4	120415552
Schizophrenia	X2668.70	CAPN1	11	64948037
Schizophrenia	X2668.70	CAPNS1	19	36630855
Schizophrenia	X14135.3	RXFP1	4	159236463
Schizophrenia	X3405.6	UFC1	1	161122566
Post-traumatic stress disorder	X5465.32	HS6ST1	2	128994290
Anorexia nervosa	X3054.3	HP	16	72088404
Anorexia nervosa	X2888.49	C7	5	40909594
Major depressive disorder	X3004.67	PDCD1LG2	9	5510531
Post-traumatic stress disorder	X4135.84	IGHE	14	106064028
Post-traumatic stress disorder	X4135.84	IGK	2	89156874
Post-traumatic stress disorder	X4135.84	IGHE	14	106064028
Schizophrenia	X4543.65	COL23A1	5	177664477
Attention deficit hyperactivity disorder	X5229.90	IMPDH1	7	128032331

Bipolar disorder	X3050.7	VWF	12	6058043
Anorexia nervosa	X3728.52	SCT	11	626309
Anorexia nervosa	X2981.9	ESAM	11	124622479
Anorexia nervosa	X11071.1	IL5	5	131877137
Bipolar disorder	X5104.57	NCR1	19	55417506
Major depressive disorder	X10365.132	IL12B	5	158741788
Major depressive disorder	X10365.132	IL23A	12	56727958
Bipolar disorder	X2638.12	CSF1R	5	149432854
Anorexia nervosa	X2762.30	FGF19	11	69513006
Post-traumatic stress disorder	X2796.62	FGA	4	155504280
Post-traumatic stress disorder	X2796.62	FGB	4	155484163
Post-traumatic stress disorder	X2796.62	FGG	4	155525286
Attention deficit hyperactivity disorder	X5867.60	ARG1	6	131791972
Attention deficit hyperactivity disorder	X5029.3	FAP	2	163027194
Post-traumatic stress disorder	X3438.10	FSTL3	19	676392
Attention deficit hyperactivity disorder	X4135.84	IGHE	14	106064028
Attention deficit hyperactivity disorder	X4135.84	IGK	2	89156874
Attention deficit hyperactivity disorder	X4135.84	IGHE	14	106064028
Anorexia nervosa	X3032.11	CGA	6	87795216
Anorexia nervosa	X3032.11	FSHB	11	30252561
Schizophrenia	X2358.19	FLT4	5	180028506
Attention deficit hyperactivity disorder	X4482.66	C5	9	123695265
Attention deficit hyperactivity disorder	X4482.66	C6	5	41142218
Bipolar disorder	X3311.27	FCGR3B	1	161592986
Schizophrenia	X2765.4	GDF11	12	56136906
Schizophrenia	X2765.4	MSTN	2	190920426
Schizophrenia	X4482.66	C5	9	123695265
Schizophrenia	X4482.66	C6	5	41142218
Post-traumatic stress disorder	X4962.52	CDNF	10	14861244
Schizophrenia	X10358.33	MCL1	1	150533371
Attention deficit hyperactivity disorder	X3831.21	PTEN	10	89622395
Major depressive disorder	X3888.8	ING1	13	111365083
Post-traumatic stress disorder	X2742.68	SIGLEC7	19	51645556
Attention deficit hyperactivity disorder	X13112.179	FSTL1	3	120111140
Major depressive disorder	X8467.9	INHBA	7	41706766
Major depressive disorder	X8467.9	INHBB	2	121103712
Schizophrenia	X5008.51	SOD2	6	160090101
Bipolar disorder	X2961.1	PROC	2	128176003
Anorexia nervosa	X3049.61	PRSS1	7	142457319
Major depressive disorder	X3122.6	DIABLO	12	122692210
Bipolar disorder	X10358.33	MCL1	1	150533371
Bipolar disorder	X4712.28	APOD	3	195295576
Major depressive disorder	X3032.11	CGA	6	87795216
Major depressive disorder	X3032.11	FSHB	11	30252561
Bipolar disorder	X2981.9	ESAM	11	124622479

Post-traumatic stress disorder	X2668.70	CAPN1	11	64948037
Post-traumatic stress disorder	X2668.70	CAPNS1	19	36630855
Schizophrenia	X2796.62	FGA	4	155504280
Schizophrenia	X2796.62	FGB	4	155484163
Schizophrenia	X2796.62	FGG	4	155525286
Schizophrenia	X8467.9	INHBA	7	41706766
Schizophrenia	X8467.9	INHBB	2	121103712
Schizophrenia	X3043.49	SPARC	5	151040657
Post-traumatic stress disorder	X14158.17	ANXA5	4	122589101
Bipolar disorder	X2501.51	CDH1	16	68771195
Anorexia nervosa	X2851.63	C5	9	123695265
Anorexia nervosa	X3636.37	OLR1	12	10310900
Post-traumatic stress disorder	X4984.83	ESD	13	47345391
Bipolar disorder	X4209.60	VTA1	6	142468299
Major depressive disorder	X3709.4	GPT	8	145728356
Post-traumatic stress disorder	X4874.3	ANG	14	21152336
Post-traumatic stress disorder	X4533.76	ADAMTS1	11	130318540
Post-traumatic stress disorder	X4907.56	FGA	4	155504280
Post-traumatic stress disorder	X4907.56	FGB	4	155484163
Post-traumatic stress disorder	X4907.56	FGG	4	155525286
Anorexia nervosa	X11514.196	CD59	11	33724556
Major depressive disorder	X2668.70	CAPN1	11	64948037
Major depressive disorder	X2668.70	CAPNS1	19	36630855
Bipolar disorder	X2836.68	LCN2	9	130911350
Post-traumatic stress disorder	X4929.55	SHBG	17	7517264
Schizophrenia	X2638.12	CSF1R	5	149432854
Attention deficit hyperactivity disorder	X4564.2	PLXNC1	12	94542353
Bipolar disorder	X3622.33	LGMN	14	93170152
Major depressive disorder	X2612.5	EIF5	14	103799881
Attention deficit hyperactivity disorder	X2501.51	CDH1	16	68771195
Post-traumatic stress disorder	X14135.3	RXFP1	4	159236463
Post-traumatic stress disorder	X3291.30	FCER2	19	7753644
Post-traumatic stress disorder	X5107.7	NOTCH1	9	139388885
Anorexia nervosa	X5106.52	NOTCH2	1	120454176
Post-traumatic stress disorder	X3603.60	CLEC7A	12	10269376
Bipolar disorder	X5335.73	ANXA6	5	150480267
Post-traumatic stress disorder	X5068.54	CRTAM	11	122709208
Schizophrenia	X3503.4	ITGA1	5	52083750
Schizophrenia	X3503.4	ITGB1	10	33176201
Post-traumatic stress disorder	X4151.6	PLG	6	161123270
Anorexia nervosa	X3608.12	DPP7	9	140004998
Schizophrenia	X14136.234	CD93	20	23059997
Attention deficit hyperactivity disorder	X6152.111	TP53	17	7565097
Bipolar disorder	X3449.58	SERPINA4	14	95027779
Attention deficit hyperactivity disorder	X2625.53	HSP90AA1	14	102547079

Attention deficit hyperactivity disorder	X2625.53	HSP90AB1	6	44213903
Post-traumatic stress disorder	X14134.49	AMIGO2	12	47469490
Bipolar disorder	X4549.78	FUT5	19	5865837
Schizophrenia	X5252.33	PDE11A	2	178487972
Anorexia nervosa	X8474.6	ROR1	1	64239688
Attention deficit hyperactivity disorder	X4282.3	RAN	12	131356582
Bipolar disorder	X3194.36	GP6	19	55525073
Anorexia nervosa	X3044.3	CCL18	17	34391632
Schizophrenia	X4533.76	ADAMTS1	11	130318540
Attention deficit hyperactivity disorder	X2765.4	GDF11	12	56136906
Attention deficit hyperactivity disorder	X2765.4	MSTN	2	190920426
Schizophrenia	X4903.72	PPP3CA	4	101944566
Schizophrenia	X4903.72	PPP3R1	2	68405989
Post-traumatic stress disorder	X5337.64	CD86	3	121774209
Post-traumatic stress disorder	X2853.68	CHEK1	11	125495058
Anorexia nervosa	X2687.2	MIA	19	41277553
Bipolar disorder	X3888.8	ING1	13	111365083
Bipolar disorder	X5272.55	SHC1	1	154934774
Major depressive disorder	X10351.51	IRF1	5	131776132
Anorexia nervosa	X6647.55	UBC	12	125396150
Post-traumatic stress disorder	X3685.53	MFRP	11	119209652
Schizophrenia	X5272.55	SHC1	1	154934774
Post-traumatic stress disorder	X3509.1	CCL15	17	34323476
Post-traumatic stress disorder	X7640.29	LRP1B	2	140988992
Attention deficit hyperactivity disorder	X5256.86	PDE5A	4	120415552
Post-traumatic stress disorder	X3194.36	GP6	19	55525073
Post-traumatic stress disorder	X5490.53	SPOCK1	5	136310987
Anorexia nervosa	X3622.33	LGMN	14	93170152
Post-traumatic stress disorder	X13112.179	FSTL1	3	120111140
Anorexia nervosa	X3340.53	THBS4	5	79287134
Anorexia nervosa	X4220.39	FER	5	108083542
Post-traumatic stress disorder	X5012.67	AK1	9	130628765
Attention deficit hyperactivity disorder	X14150.7	IL36A	2	113763036
Attention deficit hyperactivity disorder	X2948.58	GHR	5	42423541
Anorexia nervosa	X3902.21	SKP1	5	133484626
Schizophrenia	X5490.53	SPOCK1	5	136310987
Major depressive disorder	X2744.57	IGHG1	14	106202680
Major depressive disorder	X2744.57	IGHG2	14	106105896
Major depressive disorder	X2744.57	IGHG3	14	106230840
Major depressive disorder	X2744.57	IGHG4	14	106086843
Major depressive disorder	X2744.57	IGHG1	14	106202680
Major depressive disorder	X2744.57	IGLC6	22	23261707
Anorexia nervosa	X5900.11	HINT1	5	130491076
Post-traumatic stress disorder	X2743.5	SHH	7	155592674
Bipolar disorder	X5012.67	AK1	9	130628765

Bipolar disorder	X3503.4	ITGA1	5	52083750
Bipolar disorder	X3503.4	ITGB1	10	33176201
Anorexia nervosa	X10344.334	IL10RA	11	117857085
Attention deficit hyperactivity disorder	X2975.19	CCN2	6	132269316
Attention deficit hyperactivity disorder	X3294.55	CFC1	2	131349738
Post-traumatic stress disorder	X3888.8	ING1	13	111365083
Schizophrenia	X3709.4	GPT	8	145728356
Post-traumatic stress disorder	X3122.6	DIABLO	12	122692210
Major depressive disorder	X14136.234	CD93	20	23059997
Attention deficit hyperactivity disorder	X3037.62	IL1B	2	113587328
Post-traumatic stress disorder	X2687.2	MIA	19	41277553
Attention deficit hyperactivity disorder	X8467.9	INHBA	7	41706766
Attention deficit hyperactivity disorder	X8467.9	INHBB	2	121103712
Attention deficit hyperactivity disorder	X3212.30	ASAH2	10	51942538
Anorexia nervosa	X4564.2	PLXNC1	12	94542353
Schizophrenia	X3486.58	FGF1	5	141971743
Post-traumatic stress disorder	X2474.54	APCS	1	159557616
Anorexia nervosa	X7638.30	LMAN2	5	176742806
Anorexia nervosa	X5035.7	TYMS	18	657653
Attention deficit hyperactivity disorder	X2567.5	CFI	4	110652164
Anorexia nervosa	X2747.3	ULBP3	6	150382189
Post-traumatic stress disorder	X3508.78	CCL22	16	57392695
Anorexia nervosa	X3486.58	FGF1	5	141971743
Major depressive disorder	X5229.90	IMPDH1	7	128032331
Attention deficit hyperactivity disorder	X5468.67	IL17RC	3	9958758
Schizophrenia	X11510.31	APOL1	22	36649117
Attention deficit hyperactivity disorder	X13119.26	SERPINA1(	14	94746797
Bipolar disorder	X4915.64	HBB	11	5246694
Bipolar disorder	X4915.64	HBA1	16	226679
Schizophrenia	X3132.1	VEGFC	4	177604689
Anorexia nervosa	X3481.87	XPNPEP1	10	111624524
Anorexia nervosa	X2811.27	ANGPT1	8	108261710
Bipolar disorder	X14158.17	ANXA5	4	122589101
Anorexia nervosa	X3314.74	GFRA1	10	117816436
Anorexia nervosa	X3004.67	PDCD1LG2	9	5510531
Post-traumatic stress disorder	X9212.22	CTSF	11	66330935
Bipolar disorder	X4162.54	TF	3	133464884
Anorexia nervosa	X3651.50	KDR	4	55944648
Schizophrenia	X3050.7	VWF	12	6058043
Bipolar disorder	X3132.1	VEGFC	4	177604689
Attention deficit hyperactivity disorder	X4811.33	ITIH4	3	52846978
Attention deficit hyperactivity disorder	X2668.70	CAPN1	11	64948037
Attention deficit hyperactivity disorder	X2668.70	CAPNS1	19	36630855
Anorexia nervosa	X5858.6	YWHAZ	8	101928751
Bipolar disorder	X3827.22	PAK6	15	40509629

Major depressive disorder	X4450.26	HNRNPAB	5	177631534
Anorexia nervosa	X2567.5	CFI	4	110652164
Schizophrenia	X5424.55	TNFRSF11A	18	59992520
Post-traumatic stress disorder	X5229.90	IMPDH1	7	128032331
Major depressive disorder	X2625.53	HSP90AA1	14	102547079
Major depressive disorder	X2625.53	HSP90AB1	6	44213903
Major depressive disorder	X14133.93	IL1R2	2	102608422
Bipolar disorder	X11071.1	IL5	5	131877137
Anorexia nervosa	X5468.67	IL17RC	3	9958758
Attention deficit hyperactivity disorder	X3888.8	ING1	13	111365083
Attention deficit hyperactivity disorder	X5068.54	CRTAM	11	122709208
Attention deficit hyperactivity disorder	X4153.11	SERPINA3	14	95078721
Post-traumatic stress disorder	X5900.11	HINT1	5	130491076
Schizophrenia	X3332.57	HJV	1	145398250
Major depressive disorder	X2647.66	GDI2	10	5807186
Major depressive disorder	X10346.5	STAT3	17	40465342
Anorexia nervosa	X9212.22	CTSF	11	66330935
Post-traumatic stress disorder	X3827.22	PAK6	15	40509629
Attention deficit hyperactivity disorder	X3827.22	PAK6	15	40509629
Schizophrenia	X3622.33	LGMN	14	93170152
Bipolar disorder	X5231.79	PCSK9	1	55505120
Attention deficit hyperactivity disorder	X2851.63	C5	9	123695265
Anorexia nervosa	X4282.3	RAN	12	131356582
Anorexia nervosa	X4148.49	PAPPA	9	118916070
Major depressive disorder	X4971.1	CTSZ	20	57560741
Attention deficit hyperactivity disorder	X5364.7	SET	9	131445703
Schizophrenia	X2474.54	APCS	1	159557616
Major depressive disorder	X2602.2	ANGPT2	8	6357153
Schizophrenia	X4564.2	PLXNC1	12	94542353
Attention deficit hyperactivity disorder	X5230.99	HMGCR	5	74632154
Bipolar disorder	X2743.5	SHH	7	155592674
Anorexia nervosa	X3312.64	FCGR1A	1	149754227
Anorexia nervosa	X2744.57	IGHG1	14	106202680
Anorexia nervosa	X2744.57	IGHG2	14	106105896
Anorexia nervosa	X2744.57	IGHG3	14	106230840
Anorexia nervosa	X2744.57	IGHG4	14	106086843
Anorexia nervosa	X2744.57	IGHG1	14	106202680
Anorexia nervosa	X2744.57	IGLC6	22	23261707
Post-traumatic stress disorder	X3710.49	PLG	6	161123270
Post-traumatic stress disorder	X2913.1	CCL23	17	34340096
Anorexia nervosa	X4276.10	PEBP1	12	118573929
Post-traumatic stress disorder	X3481.87	XPNPEP1	10	111624524
Post-traumatic stress disorder	X3077.66	F10	13	113777113
Bipolar disorder	X3294.55	CFC1	2	131349738
Post-traumatic stress disorder	X4557.61	KIRREL3	11	126293253

Schizophrenia	X2851.63	C5	9	123695265
Attention deficit hyperactivity disorder	X3685.53	MFRP	11	119209652
Anorexia nervosa	X2962.50	PTHLH	12	28111017
Major depressive disorder	X4967.1	C1QBP	17	5336097
Post-traumatic stress disorder	X14132.21	HHLA2	3	108015376
Anorexia nervosa	X5364.7	SET	9	131445703
Post-traumatic stress disorder	X3636.37	OLR1	12	10310900
Major depressive disorder	X3481.87	XPNPEP1	10	111624524
Attention deficit hyperactivity disorder	X3312.64	FCGR1A	1	149754227
Major depressive disorder	X5867.60	ARG1	6	131791972
Anorexia nervosa	X5078.82	EPHB6	7	142552823
Anorexia nervosa	X13112.179	FSTL1	3	120111140
Anorexia nervosa	X3366.51	ECM1	1	150480538
Schizophrenia	X4971.1	CTSZ	20	57560741
Post-traumatic stress disorder	X4891.50	GCG	2	162999392
Post-traumatic stress disorder	X2475.1	KIT	4	55523434
Post-traumatic stress disorder	X4920.10	LYZ	12	69742161
Bipolar disorder	X2625.53	HSP90AA1	14	102547079
Bipolar disorder	X2625.53	HSP90AB1	6	44213903
Anorexia nervosa	X5132.71	IL27RA	19	14142574
Bipolar disorder	X3758.68	PROC	2	128176003
Schizophrenia	X5339.49	S100A9	1	153330330
Attention deficit hyperactivity disorder	X2638.12	CSF1R	5	149432854
Attention deficit hyperactivity disorder	X3050.7	VWF	12	6058043
Schizophrenia	X5867.60	ARG1	6	131791972
Attention deficit hyperactivity disorder	X5457.5	COLEC12	18	316737
Schizophrenia	X3294.55	CFC1	2	131349738
Attention deficit hyperactivity disorder	X5801.72	NGF	1	115828525
Attention deficit hyperactivity disorder	X3758.68	PROC	2	128176003
Major depressive disorder	X6152.111	TP53	17	7565097
Post-traumatic stress disorder	X2836.68	LCN2	9	130911350
Schizophrenia	X5068.54	CRTAM	11	122709208
Attention deficit hyperactivity disorder	X5465.32	HS6ST1	2	128994290
Attention deficit hyperactivity disorder	X4931.59	F3	1	94994729
Post-traumatic stress disorder	X6653.58	CD47	3	107761938
Attention deficit hyperactivity disorder	X2819.23	CDH5	16	66400525
Attention deficit hyperactivity disorder	X3808.76	FGFR2	10	123237846
Bipolar disorder	X3581.53	AHSG	3	186330849
Bipolar disorder	X5337.64	CD86	3	121774209
Anorexia nervosa	X3685.53	MFRP	11	119209652
Anorexia nervosa	X3888.8	ING1	13	111365083
Post-traumatic stress disorder	X14136.234	CD93	20	23059997
Attention deficit hyperactivity disorder	X3503.4	ITGA1	5	52083750
Attention deficit hyperactivity disorder	X3503.4	ITGB1	10	33176201
Bipolar disorder	X2475.1	KIT	4	55523434

Schizophrenia	X5903.91	HSPA8	11	122928197
Bipolar disorder	X14136.234	CD93	20	23059997
Attention deficit hyperactivity disorder	X5903.91	HSPA8	11	122928197
Schizophrenia	X5012.67	AK1	9	130628765
Schizophrenia	X4437.56	ENTPD5	14	74424713
Post-traumatic stress disorder	X2966.65	CLEC11A	19	51226621
Post-traumatic stress disorder	X4500.50	CLEC11A	19	51226621
Attention deficit hyperactivity disorder	X3363.31	CSK	15	75074421
Attention deficit hyperactivity disorder	X4192.10	AKR1A1	1	46016215
Bipolar disorder	X3283.21	TGFBI	5	135364677
Attention deficit hyperactivity disorder	X2381.52	C5	9	123695265
Schizophrenia	X2612.5	EIF5	14	103799881
Major depressive disorder	X2828.82	SPINT1	15	41136216
Bipolar disorder	X3043.49	SPARC	5	151040657
Post-traumatic stress disorder	X4915.64	HBB	11	5246694
Post-traumatic stress disorder	X4915.64	HBA1	16	226679
Post-traumatic stress disorder	X3815.14	IL12RB2	1	67773047
Post-traumatic stress disorder	X3449.58	SERPINA4	14	95027779
Post-traumatic stress disorder	X14150.7	IL36A	2	113763036
Anorexia nervosa	X2938.55	APOE	19	45409048
Bipolar disorder	X11510.31	APOL1	22	36649117
Post-traumatic stress disorder	X5106.52	NOTCH2	1	120454176
Post-traumatic stress disorder	X3853.56	MDH1	2	63815743
Bipolar disorder	X2838.53	MMP17	12	132312938
Schizophrenia	X3077.66	F10	13	113777113
Post-traumatic stress disorder	X5256.86	PDE5A	4	120415552
Major depressive disorder	X14135.3	RXFP1	4	159236463
Anorexia nervosa	X4924.32	MMP1	11	102660132
Attention deficit hyperactivity disorder	X11510.31	APOL1	22	36649117
Anorexia nervosa	X4162.54	TF	3	133464884
Anorexia nervosa	X3313.21	FCN2	9	137772656
Anorexia nervosa	X4482.66	C5	9	123695265
Anorexia nervosa	X4482.66	C6	5	41142218
Post-traumatic stress disorder	X5132.71	IL27RA	19	14142574
Post-traumatic stress disorder	X3004.67	PDCD1LG2	9	5510531
Schizophrenia	X3827.22	PAK6	15	40509629
Bipolar disorder	X3325.2	MATN2	8	98881068
Anorexia nervosa	X14158.17	ANXA5	4	122589101
Anorexia nervosa	X5934.1	FTH1	11	61727190
Anorexia nervosa	X5934.1	FTL	19	49468566
Anorexia nervosa	X3057.55	CCN2	6	132269316
Attention deficit hyperactivity disorder	X8463.2	SOD3	4	24791534
Attention deficit hyperactivity disorder	X3366.51	ECM1	1	150480538
Anorexia nervosa	X14136.234	CD93	20	23059997
Bipolar disorder	X5014.49	NCK1	3	136581050

Schizophrenia	X13090.17	S100A6	1	153507075
Bipolar disorder	X2728.62	LAMA1	18	6941741
Bipolar disorder	X2728.62	LAMB1	7	107564244
Bipolar disorder	X2728.62	LAMC1	1	182992555
Schizophrenia	X5457.5	COLEC12	18	316737
Major depressive disorder	X4140.3	IL7	8	79587978
Schizophrenia	X11071.1	IL5	5	131877137
Anorexia nervosa	X2977.7	EDAR	2	109510927
Attention deficit hyperactivity disorder	X3077.66	F10	13	113777113
Anorexia nervosa	X3617.80	HGFAC	4	3443695
Post-traumatic stress disorder	X4916.2	IGHD	14	106303099
Post-traumatic stress disorder	X4916.2	IGHD	14	106303099
Post-traumatic stress disorder	X4916.2	IGHD	14	106303099
Anorexia nervosa	X3317.33	HTRA2	2	74756723
Major depressive disorder	X14156.33	YWHAB	20	43514343
Post-traumatic stress disorder	X4851.25	IL1A	2	113531502
Bipolar disorder	X3903.49	SNX4	3	125165494
Schizophrenia	X4878.3	F10	13	113777113
Attention deficit hyperactivity disorder	X4915.64	HBB	11	5246694
Attention deficit hyperactivity disorder	X4915.64	HBA1	16	226679
Attention deficit hyperactivity disorder	X3025.50	FGF2	4	123747863
Schizophrenia	X2743.5	SHH	7	155592674
Anorexia nervosa	X7628.40	CRELD1	3	9975477
Attention deficit hyperactivity disorder	X5106.52	NOTCH2	1	120454176
Schizophrenia	X5900.11	HINT1	5	130491076
Post-traumatic stress disorder	X5029.3	FAP	2	163027194
Major depressive disorder	X3077.66	F10	13	113777113
Post-traumatic stress disorder	X4878.3	F10	13	113777113
Post-traumatic stress disorder	X8476.11	CHGA	14	93389495
Post-traumatic stress disorder	X5090.49	LILRB1	19	55128612
Attention deficit hyperactivity disorder	X8458.111	SNCA	4	90621496
Schizophrenia	X4450.26	HNRNPAB	5	177631534
Anorexia nervosa	X2967.8	VCAM1	1	101185298
Schizophrenia	X3004.67	PDCD1LG2	9	5510531
Anorexia nervosa	X5229.90	IMPDH1	7	128032331
Bipolar disorder	X3122.6	DIABLO	12	122692210
Post-traumatic stress disorder	X3622.33	LGMN	14	93170152
Attention deficit hyperactivity disorder	X4437.56	ENTPD5	14	74424713
Anorexia nervosa	X3903.49	SNX4	3	125165494
Post-traumatic stress disorder	X3446.7	IL18R1	2	102927989
Post-traumatic stress disorder	X3738.54	CSF1	1	110452864
Schizophrenia	X5364.7	SET	9	131445703
Post-traumatic stress disorder	X3173.49	NAAA	4	76834813
Post-traumatic stress disorder	X5457.5	COLEC12	18	316737
Post-traumatic stress disorder	X5478.50	FOLH1	11	49166644

Anorexia nervosa	X5230.99	HMGCR	5	74632154
Anorexia nervosa	X13094.75	RSPO3	6	127439816
Anorexia nervosa	X5029.3	FAP	2	163027194
Anorexia nervosa	X14131.37	EFNB2	13	107142093
Post-traumatic stress disorder	X4148.49	PAPPA	9	118916070
Post-traumatic stress disorder	X3234.23	CCDC80	3	112315644
Attention deficit hyperactivity disorder	X3317.33	HTRA2	2	74756723
Attention deficit hyperactivity disorder	X3738.54	CSF1	1	110452864
Attention deficit hyperactivity disorder	X2986.49	CXCL3	4	74902306
Attention deficit hyperactivity disorder	X2986.49	CXCL2	4	74962757
Bipolar disorder	X3004.67	PDCD1LG2	9	5510531
Post-traumatic stress disorder	X2774.10	IL16	15	81451916
Schizophrenia	X5337.64	CD86	3	121774209
Schizophrenia	X2744.57	IGHG1	14	106202680
Schizophrenia	X2744.57	IGHG2	14	106105896
Schizophrenia	X2744.57	IGHG3	14	106230840
Schizophrenia	X2744.57	IGHG4	14	106086843
Schizophrenia	X2744.57	IGHG1	14	106202680
Schizophrenia	X2744.57	IGLC6	22	23261707
Anorexia nervosa	X13090.17	S100A6	1	153507075
Schizophrenia	X4851.25	IL1A	2	113531502
Major depressive disorder	X3514.49	PRTN3	19	840999
Anorexia nervosa	X2475.1	KIT	4	55523434
Anorexia nervosa	X2975.19	CCN2	6	132269316
Major depressive disorder	X3845.51	DYNLRB1	20	33104200
Post-traumatic stress disorder	X4162.54	TF	3	133464884
Schizophrenia	X11089.7	IGHA2	14	106053226
Schizophrenia	X11089.7	IGHA1	14	106170332
Major depressive disorder	X5121.3	SEMA6B	19	4542605
Attention deficit hyperactivity disorder	X4557.61	KIRREL3	11	126293253
Attention deficit hyperactivity disorder	X14123.34	VSIR	10	73507313
Major depressive disorder	X4878.3	F10	13	113777113
Anorexia nervosa	X2813.11	AGRP	16	67516474
Post-traumatic stress disorder	X3050.7	VWF	12	6058043
Bipolar disorder	X2962.50	PTHLH	12	28111017
Attention deficit hyperactivity disorder	X3601.54	CHL1	3	238446
Bipolar disorder	X4916.2	IGHD	14	106303099
Bipolar disorder	X4916.2	IGHD	14	106303099
Bipolar disorder	X4916.2	IGHD	14	106303099
Bipolar disorder	X5482.61	RBP4	10	95351444
Post-traumatic stress disorder	X2837.3	MET	7	116312250
Attention deficit hyperactivity disorder	X2436.49	CXCL16	17	4636828
Anorexia nervosa	X6152.111	TP53	17	7565097
Post-traumatic stress disorder	X3314.74	GFRA1	10	117816436
Bipolar disorder	X5066.134	CD300C	17	72537212

Post-traumatic stress disorder	X2962.50	PTHLH	12	28111017
Post-traumatic stress disorder	X3326.58	CADM1	11	115039938
Attention deficit hyperactivity disorder	X3022.4	CTLA4	2	204718611
Schizophrenia	X3808.76	FGFR2	10	123237846
Post-traumatic stress disorder	X4718.5	PPIB	15	64447939
Anorexia nervosa	X2790.54	PPBP	4	74852156
Post-traumatic stress disorder	X4564.2	PLXNC1	12	94542353
Major depressive disorder	X13095.51	REG1A	2	79347488
Anorexia nervosa	X3758.68	PROC	2	128176003
Major depressive disorder	X4851.25	IL1A	2	113531502
Schizophrenia	X14123.34	VSIR	10	73507313
Major depressive disorder	X2794.60	SOD1	21	33031979
Anorexia nervosa	X3623.84	LY86	6	6588341
Post-traumatic stress disorder	X5903.91	HSPA8	11	122928197
Anorexia nervosa	X3413.50	BCL2A1	15	80253234
Post-traumatic stress disorder	X2827.23	CX3CL1	16	57406389
Major depressive disorder	X4533.76	ADAMTS1	11	130318540
Major depressive disorder	X4992.49	GRN	17	42422614
Post-traumatic stress disorder	X5109.24	NRCAM	7	107788068
Post-traumatic stress disorder	X3037.62	IL1B	2	113587328
Post-traumatic stress disorder	X4547.59	FLRT1	11	63803403
Attention deficit hyperactivity disorder	X3389.7	SERPINA5	14	95027779
Attention deficit hyperactivity disorder	X4429.51	CHST6	16	75505950
Major depressive disorder	X2436.49	CXCL16	17	4636828
Anorexia nervosa	X8464.31	RSPO4	20	939095
Major depressive disorder	X4276.10	PEBP1	12	118573929
Attention deficit hyperactivity disorder	X3447.64	CXCL8	4	74606236
Major depressive disorder	X5230.99	HMGCR	5	74632154
Attention deficit hyperactivity disorder	X5456.59	CNDP1	18	72201735
Anorexia nervosa	X13116.25	CD177	19	43857838
Post-traumatic stress disorder	X4969.2	CA1	8	86239837
Post-traumatic stress disorder	X3903.49	SNX4	3	125165494
Schizophrenia	X2962.50	PTHLH	12	28111017
Post-traumatic stress disorder	X5483.1	RGMA	15	93578501
Post-traumatic stress disorder	X4437.56	ENTPD5	14	74424713
Attention deficit hyperactivity disorder	X4924.32	MMP1	11	102660132
Post-traumatic stress disorder	X13114.50	LUM	12	91496406
Major depressive disorder	X5256.86	PDE5A	4	120415552
Major depressive disorder	X4564.2	PLXNC1	12	94542353
Anorexia nervosa	X13093.6	SECTM1	17	80278900
Major depressive disorder	X3831.21	PTEN	10	89622395
Anorexia nervosa	X2615.60	EFNA5	5	106712595
Major depressive disorder	X5807.77	CD70	19	6583194
Attention deficit hyperactivity disorder	X11089.7	IGHA2	14	106053226
Attention deficit hyperactivity disorder	X11089.7	IGHA1	14	106170332

Schizophrenia	X9182.3	LRP1	12	57522266
Major depressive disorder	X2654.19	TNFRSF1A	12	6437923
Major depressive disorder	X3630.27	CADM3	1	159141399
Major depressive disorder	X14114.18	PIANP	12	6802957
Anorexia nervosa	X3800.71	CKB	14	103986004
Anorexia nervosa	X2853.68	CHEK1	11	125495058
Post-traumatic stress disorder	X5424.55	TNFRSF11A	18	59992520
Major depressive disorder	X13122.19	FLRT2	14	85996488
Post-traumatic stress disorder	X4482.66	C5	9	123695265
Post-traumatic stress disorder	X4482.66	C6	5	41142218
Anorexia nervosa	X4925.54	MMP13	11	102813724
Major depressive disorder	X2870.29	RAC1	7	6414158
Major depressive disorder	X3685.53	MFRP	11	119209652
Major depressive disorder	X11510.31	APOL1	22	36649117
Major depressive disorder	X2853.68	CHEK1	11	125495058
Post-traumatic stress disorder	X5870.23	BAD	11	64037302
Major depressive disorder	X5034.79	PRSS2	7	974014
Bipolar disorder	X6647.55	UBC	12	125396150
Bipolar disorder	X2938.55	APOE	19	45409048
Post-traumatic stress disorder	X5231.79	PCSK9	1	55505120
Post-traumatic stress disorder	X5260.80	TYK2	19	10461209
Post-traumatic stress disorder	X4913.78	CCL16	17	34303529
Bipolar disorder	X4276.10	PEBP1	12	118573929
Schizophrenia	X2571.12	IGFBP3	7	45951844
Post-traumatic stress disorder	X5801.72	NGF	1	115828525
Anorexia nervosa	X5353.89	IL1RN	2	113856892
Anorexia nervosa	X8484.24	LEP	7	127881331
Anorexia nervosa	X4332.6	CLEC1B	12	10138241
Schizophrenia	X3283.21	TGFBI	5	135364677
Schizophrenia	X7640.29	LRP1B	2	140988992
Schizophrenia	X7638.30	LMAN2	5	176742806
Major depressive disorder	X5412.53	CD27	12	6554121
Anorexia nervosa	X2961.1	PROC	2	128176003
Major depressive disorder	X9172.69	MMP8	11	102582527
Schizophrenia	X2381.52	C5	9	123695265
Attention deficit hyperactivity disorder	X5228.25	KIF23	15	69706585
Schizophrenia	X13114.50	LUM	12	91496406
Anorexia nervosa	X3447.64	CXCL8	4	74606236
Anorexia nervosa	X2647.66	GDI2	10	5807186
Schizophrenia	X3197.70	IDE	10	94211441
Post-traumatic stress disorder	X3066.12	LGALS3	14	55590828
Major depressive disorder	X8458.111	SNCA	4	90621496
Post-traumatic stress disorder	X3391.10	PIK3CG	7	106505723
Major depressive disorder	X5858.6	YWHAZ	8	101928751
Bipolar disorder	X8484.24	LEP	7	127881331

Anorexia nervosa	X2771.35	IGFBP1	7	45927959
Attention deficit hyperactivity disorder	X4499.21	PDGFA	7	536895
Anorexia nervosa	X6653.58	CD47	3	107761938
Anorexia nervosa	X3050.7	VWF	12	6058043
Anorexia nervosa	X3041.55	MRC2	17	60705031
Post-traumatic stress disorder	X3839.60	AIP	11	67235645
Anorexia nervosa	X2654.19	TNFRSF1A	12	6437923
Bipolar disorder	X5900.11	HINT1	5	130491076
Bipolar disorder	X5353.89	IL1RN	2	113856892
Major depressive disorder	X2962.50	PTHLH	12	28111017
Anorexia nervosa	X14123.34	VSIR	10	73507313
Post-traumatic stress disorder	X3419.49	CAMK2D	4	114339210
Anorexia nervosa	X2774.10	IL16	15	81451916
Schizophrenia	X2637.77	MRC1	10	18098352
Attention deficit hyperactivity disorder	X2977.7	EDAR	2	109510927
Bipolar disorder	X5424.55	TNFRSF11A	18	59992520
Anorexia nervosa	X4194.26	ANP32B	9	100745623
Anorexia nervosa	X3887.90	KPNB1	17	45726842
Post-traumatic stress disorder	X3601.54	CHL1	3	238446
Post-traumatic stress disorder	X10363.13	SMAD3	15	67356101
Anorexia nervosa	X14147.50	IFNG	12	68548548
Attention deficit hyperactivity disorder	X4122.12	DDR1	6	30844198
Attention deficit hyperactivity disorder	X4851.25	IL1A	2	113531502
Anorexia nervosa	X4961.17	ANXA2	15	60639333
Schizophrenia	X3902.21	SKP1	5	133484626
Attention deficit hyperactivity disorder	X5121.3	SEMA6B	19	4542605
Major depressive disorder	X2811.27	ANGPT1	8	108261710
Anorexia nervosa	X2838.53	MMP17	12	132312938
Schizophrenia	X3170.6	METAP2	12	95867296
Post-traumatic stress disorder	X6647.55	UBC	12	125396150
Post-traumatic stress disorder	X5230.99	HMGCR	5	74632154
Attention deficit hyperactivity disorder	X3234.23	CCDC80	3	112315644
Bipolar disorder	X3891.56	MBD4	3	129149790
Post-traumatic stress disorder	X3643.90	SLITRK1	13	84451340
Anorexia nervosa	X5034.79	PRSS2	7	974014
Schizophrenia	X5465.32	HS6ST1	2	128994290
Post-traumatic stress disorder	X3078.1	PGF	14	75408537
Schizophrenia	X13118.5	SMOC1	14	70320848
Bipolar disorder	X4135.84	IGHE	14	106064028
Bipolar disorder	X4135.84	IGK	2	89156874
Bipolar disorder	X4135.84	IGHE	14	106064028
Schizophrenia	X3891.56	MBD4	3	129149790
Anorexia nervosa	X4309.59	TPI1	12	6976283
Attention deficit hyperactivity disorder	X2731.29	POR	7	75528518
Attention deficit hyperactivity disorder	X5104.57	NCR1	19	55417506

Major depressive disorder	X9190.7	CD63	12	56119107
Post-traumatic stress disorder	X11516.7	FABP1	2	88422501
Major depressive disorder	X3891.56	MBD4	3	129149790
Attention deficit hyperactivity disorder	X2860.19	KPNA2	17	66031752
Anorexia nervosa	X2952.75	IGF1	12	102789652
Attention deficit hyperactivity disorder	X5491.12	SPOCK2	10	73818792
Bipolar disorder	X2828.82	SPINT1	15	41136216
Attention deficit hyperactivity disorder	X4763.31	AFM	4	74347462
Major depressive disorder	X2692.74	PLA2G2A	1	20301924
Attention deficit hyperactivity disorder	X3866.7	SBDS	7	66452667
Attention deficit hyperactivity disorder	X3622.33	LGMN	14	93170152
Anorexia nervosa	X11516.7	FABP1	2	88422501
Schizophrenia	X8458.111	SNCA	4	90621496
Major depressive disorder	X5105.2	RTN4R	22	20228938
Post-traumatic stress disorder	X3813.3	FYN	6	111981535
Post-traumatic stress disorder	X4499.21	PDGFA	7	536895
Schizophrenia	X2567.5	CFI	4	110652164
Bipolar disorder	X13114.50	LUM	12	91496406
Schizophrenia	X2906.55	IL4	5	132009678
Anorexia nervosa	X4157.2	F2	11	46740746
Attention deficit hyperactivity disorder	X2889.37	CTF1	16	30907935
Post-traumatic stress disorder	X5897.58	GRP	18	56887390
Attention deficit hyperactivity disorder	X2846.24	RPS27A	2	55459039
Anorexia nervosa	X3831.21	PTEN	10	89622395
Post-traumatic stress disorder	X5070.76	TNFRSF6B	20	62328005
Attention deficit hyperactivity disorder	X5451.1	ALCAM	3	105085753
Bipolar disorder	X5015.15	PLA2G7	6	46671938
Attention deficit hyperactivity disorder	X2961.1	PROC	2	128176003
Attention deficit hyperactivity disorder	X11516.7	FABP1	2	88422501
Bipolar disorder	X5801.72	NGF	1	115828525
Major depressive disorder	X4436.1	ENTPD3	3	40428675
Attention deficit hyperactivity disorder	X14158.17	ANXA5	4	122589101
Schizophrenia	X3415.61	IBSP	4	88720706
Post-traumatic stress disorder	X9169.14	SUMO3	21	46225532
Post-traumatic stress disorder	X4498.62	NCAM1	11	112831969
Attention deficit hyperactivity disorder	X2952.75	IGF1	12	102789652
Post-traumatic stress disorder	X4551.72	ADGRG5	16	57576555
Post-traumatic stress disorder	X3855.56	PRDX1	1	45976586
Post-traumatic stress disorder	X2937.10	APOE	19	45409048
Bipolar disorder	X3831.21	PTEN	10	89622395
Post-traumatic stress disorder	X9191.8	TFF2	21	43766466
Post-traumatic stress disorder	X3397.7	PTPN11	12	112856155
Anorexia nervosa	X3009.3	TGFBR3	1	92145900
Anorexia nervosa	X4544.4	PPBP	4	74852156
Major depressive disorder	X5108.72	NOTCH3	19	15269849

Anorexia nervosa	X3403.1	TPSB2	16	1277272
Post-traumatic stress disorder	X3872.2	TPT1	13	45907606
Anorexia nervosa	X2833.20	KLK4	19	51409607
Anorexia nervosa	X5337.64	CD86	3	121774209
Post-traumatic stress disorder	X5105.2	RTN4R	22	20228938
Schizophrenia	X2625.53	HSP90AA1	14	102547079
Schizophrenia	X2625.53	HSP90AB1	6	44213903
Post-traumatic stress disorder	X4956.2	EREG	4	75230862
Bipolar disorder	X5358.3	OMD	9	95174662
Major depressive disorder	X3622.33	LGMN	14	93170152
Schizophrenia	X3738.54	CSF1	1	110452864
Major depressive disorder	X10339.48	ENO2	12	7022909
Attention deficit hyperactivity disorder	X4971.1	CTSZ	20	57560741
Anorexia nervosa	X3474.19	THBS1	15	39873280
Post-traumatic stress disorder	X9190.7	CD63	12	56119107
Post-traumatic stress disorder	X2620.4	IL6ST	5	55230923
Major depressive disorder	X10990.21	LRRK2	12	40590546
Post-traumatic stress disorder	X14147.50	IFNG	12	68548548
Major depressive disorder	X2567.5	CFI	4	110652164
Post-traumatic stress disorder	X4568.17	SLITRK5	13	88323626
Post-traumatic stress disorder	X10366.11	PDGFRA	4	55095447
Bipolar disorder	X4128.27	CCL24	7	75440143
Attention deficit hyperactivity disorder	X2620.4	IL6ST	5	55230923
Bipolar disorder	X5107.7	NOTCH1	9	139388885
Major depressive disorder	X2700.56	PROS1	3	93591895
Post-traumatic stress disorder	X4829.43	SFN	1	27189640
Post-traumatic stress disorder	X2938.55	APOE	19	45409048
Post-traumatic stress disorder	X2700.56	PROS1	3	93591895
Anorexia nervosa	X13095.51	REG1A	2	79347488
Post-traumatic stress disorder	X2846.24	RPS27A	2	55459039
Attention deficit hyperactivity disorder	X10365.132	IL12B	5	158741788
Attention deficit hyperactivity disorder	X10365.132	IL23A	12	56727958
Anorexia nervosa	X3518.54	CPB2	13	46627321
Post-traumatic stress disorder	X2794.60	SOD1	21	33031979
Major depressive disorder	X8480.29	EFEMP1	2	56093102
Anorexia nervosa	X3836.51	UFM1	13	38923986
Attention deficit hyperactivity disorder	X4306.4	TKT	3	53258728
Post-traumatic stress disorder	X5225.50	CSNK2A1	20	453142
Post-traumatic stress disorder	X5225.50	CSNK2B	6	31633004
Major depressive disorder	X3474.19	THBS1	15	39873280
Post-traumatic stress disorder	X10346.5	STAT3	17	40465342
Post-traumatic stress disorder	X5463.22	GAS1	9	89559277
Post-traumatic stress disorder	X10372.18	STAT6	12	57489191
Post-traumatic stress disorder	X4832.75	TNFRSF10A	8	23047965
Post-traumatic stress disorder	X4971.1	CTSZ	20	57560741

Schizophrenia	X2794.60	SOD1	21	33031979
Post-traumatic stress disorder	X13122.19	FLRT2	14	85996488
Attention deficit hyperactivity disorder	X4878.3	F10	13	113777113
Anorexia nervosa	X4209.60	VTA1	6	142468299
Attention deficit hyperactivity disorder	X4983.6	ERP29	12	112451152
Post-traumatic stress disorder	X3887.90	KPNB1	17	45726842
Major depressive disorder	X4437.56	ENTPD5	14	74424713
Post-traumatic stress disorder	X4258.15	PA2G4	12	56498321
Attention deficit hyperactivity disorder	X3432.21	EPHA3	3	89156771
Bipolar disorder	X2837.3	MET	7	116312250
Post-traumatic stress disorder	X3170.6	METAP2	12	95867296
Anorexia nervosa	X5807.77	CD70	19	6583194
Anorexia nervosa	X5271.5	RAC3	17	79989554
Post-traumatic stress disorder	X4203.50	CFL1	11	65590493
Post-traumatic stress disorder	X2855.49	MAPK3	16	30125426
Post-traumatic stress disorder	X4453.83	LRRTM3	10	68685794
Bipolar disorder	X3197.70	IDE	10	94211441
Anorexia nervosa	X2950.57	IGFBP4	17	38599702
Post-traumatic stress disorder	X3381.24	LYN	8	56792394
Attention deficit hyperactivity disorder	X3903.49	SNX4	3	125165494
Major depressive disorder	X4309.59	TPI1	12	6976283
Post-traumatic stress disorder	X9171.11	CSRP3	11	19203577
Post-traumatic stress disorder	X3799.11	CA3	8	86285665
Schizophrenia	X3758.68	PROC	2	128176003
Attention deficit hyperactivity disorder	X2677.1	EGFR	7	55086710
Major depressive disorder	X3285.23	C1R	12	7187513
Post-traumatic stress disorder	X5489.18	STIP1	11	63952744
Post-traumatic stress disorder	X8458.111	SNCA	4	90621496
Attention deficit hyperactivity disorder	X5345.51	CKAP2	13	53029564
Post-traumatic stress disorder	X3831.21	PTEN	10	89622395
Attention deficit hyperactivity disorder	X9204.33	POMC	2	25383722
Anorexia nervosa	X14115.34	ADM	11	10326620
Bipolar disorder	X4931.59	F3	1	94994729
Anorexia nervosa	X4563.61	PLCG1	20	39765600
Major depressive disorder	X2952.75	IGF1	12	102789652
Attention deficit hyperactivity disorder	X3535.84	DKK1	10	54074041
Bipolar disorder	X3032.11	CGA	6	87795216
Bipolar disorder	X3032.11	FSHB	11	30252561
Attention deficit hyperactivity disorder	X3891.56	MBD4	3	129149790
Post-traumatic stress disorder	X14115.34	ADM	11	10326620
Post-traumatic stress disorder	X9182.3	LRP1	12	57522266
Attention deficit hyperactivity disorder	X5424.55	TNFRSF11A	18	59992520
Bipolar disorder	X4282.3	RAN	12	131356582
Anorexia nervosa	X8463.2	SOD3	4	24791534
Post-traumatic stress disorder	X3808.76	FGFR2	10	123237846

Attention deficit hyperactivity disorder	X3504.58	HAMP	19	35771619
Attention deficit hyperactivity disorder	X13103.125	CSH1	17	61972269
Attention deficit hyperactivity disorder	X13103.125	CSH2	17	61949372
Post-traumatic stress disorder	X3616.3	GNS	12	65107225
Post-traumatic stress disorder	X3363.31	CSK	15	75074421
Anorexia nervosa	X4931.59	F3	1	94994729
Bipolar disorder	X3397.7	PTPN11	12	112856155
Major depressive disorder	X2977.7	EDAR	2	109510927
Major depressive disorder	X5463.22	GAS1	9	89559277
Attention deficit hyperactivity disorder	X3707.12	ALB	4	74262831
Post-traumatic stress disorder	X2888.49	C7	5	40909594
Major depressive disorder	X2938.55	APOE	19	45409048
Major depressive disorder	X5023.23	ADSL	22	40742465
Schizophrenia	X3813.3	FYN	6	111981535
Major depressive disorder	X4306.4	TKT	3	53258728
Post-traumatic stress disorder	X2666.53	DCN	12	91534261
Post-traumatic stress disorder	X4960.72	ANXA1	9	75766781
Post-traumatic stress disorder	X5481.16	RASA1	5	86563700
Attention deficit hyperactivity disorder	X5885.55	EIF4H	7	73588561
Attention deficit hyperactivity disorder	X5483.1	RGMA	15	93578501
Attention deficit hyperactivity disorder	X4128.27	CCL24	7	75440143
Major depressive disorder	X4474.19	RPS27A	2	55459039
Attention deficit hyperactivity disorder	X3046.31	RETN	19	7733935
Schizophrenia	X4261.55	PON1	7	94926988
Schizophrenia	X2700.56	PROS1	3	93591895
Attention deficit hyperactivity disorder	X4956.2	EREG	4	75230862
Post-traumatic stress disorder	X3890.8	LDHB	12	21788276
Schizophrenia	X5801.72	NGF	1	115828525
Post-traumatic stress disorder	X3485.28	B2M	15	45003556
Post-traumatic stress disorder	X5062.60	CD226	18	67498394
Anorexia nervosa	X3315.15	GPC2	7	99767229
Attention deficit hyperactivity disorder	X7640.29	LRP1B	2	140988992
Post-traumatic stress disorder	X14120.2	RNF43	17	56431037
Anorexia nervosa	X4479.14	SERPING1	11	57364860
Anorexia nervosa	X7648.9	MYBPC1	12	101962131
Post-traumatic stress disorder	X8480.29	EFEMP1	2	56093102
Attention deficit hyperactivity disorder	X5939.42	TNFSF12	17	7451825
Anorexia nervosa	X2443.10	FGF8	10	103529866
Major depressive disorder	X5085.18	IL20RA	6	137321108
Bipolar disorder	X5131.15	TNFRSF19	13	24144509
Attention deficit hyperactivity disorder	X4453.83	LRRTM3	10	68685794
Anorexia nervosa	X5092.51	JAG1	20	10618332
Anorexia nervosa	X5424.55	TNFRSF11A	18	59992520
Attention deficit hyperactivity disorder	X3821.28	MAPKAPK	12	112280032
Anorexia nervosa	X4976.57	CRK	17	1323983

Post-traumatic stress disorder	X5121.3	SEMA6B	19	4542605
Post-traumatic stress disorder	X3152.57	TNFRSF1B	1	12227048
Major depressive disorder	X4721.54	TFF3	21	43731777
Major depressive disorder	X13112.179	FSTL1	3	120111140
Attention deficit hyperactivity disorder	X2837.3	MET	7	116312250
Anorexia nervosa	X4430.44	COLEC11	2	3642422
Anorexia nervosa	X3325.2	MATN2	8	98881068
Post-traumatic stress disorder	X6152.111	TP53	17	7565097
Major depressive disorder	X2728.62	LAMA1	18	6941741
Major depressive disorder	X2728.62	LAMB1	7	107564244
Major depressive disorder	X2728.62	LAMC1	1	182992555
Major depressive disorder	X2768.56	HPX	11	6452279
Attention deficit hyperactivity disorder	X5122.92	SEMA6A	5	115779251
Attention deficit hyperactivity disorder	X4474.19	RPS27A	2	55459039
Attention deficit hyperactivity disorder	X2879.9	SERPINA3	14	95078721
Anorexia nervosa	X10339.48	ENO2	12	7022909
Attention deficit hyperactivity disorder	X3413.50	BCL2A1	15	80253234
Post-traumatic stress disorder	X3320.49	IGFBP7	4	57896939
Post-traumatic stress disorder	X2609.59	CST3	20	23607343
Bipolar disorder	X3078.1	PGF	14	75408537
Anorexia nervosa	X4436.1	ENTPD3	3	40428675
Bipolar disorder	X4557.61	KIRREL3	11	126293253
Attention deficit hyperactivity disorder	X4452.9	LRRTM1	2	80515476
Major depressive disorder	X11089.7	IGHA2	14	106053226
Major depressive disorder	X11089.7	IGHA1	14	106170332
Anorexia nervosa	X5316.54	F2	11	46740746
Anorexia nervosa	X2906.55	IL4	5	132009678
Attention deficit hyperactivity disorder	X8464.31	RSPO4	20	939095
Schizophrenia	X5792.8	AFP	4	74296855
Attention deficit hyperactivity disorder	X3805.16	ESM1	5	54273695
Anorexia nervosa	X5870.23	BAD	11	64037302
Post-traumatic stress disorder	X2418.55	APOE	19	45409048
Schizophrenia	X4306.4	TKT	3	53258728
Anorexia nervosa	X5384.67	BRF1	14	105675623
Attention deficit hyperactivity disorder	X4194.26	ANP32B	9	100745623
Post-traumatic stress disorder	X9173.21	PGM1	1	64059082
Attention deficit hyperactivity disorder	X5351.52	HNRNPA2l	7	26210771
Anorexia nervosa	X4763.31	AFM	4	74347462
Anorexia nervosa	X4261.55	PON1	7	94926988
Post-traumatic stress disorder	X4541.49	CDON	11	125825691
Post-traumatic stress disorder	X4158.54	PLAU	10	75668935
Post-traumatic stress disorder	X12060.28	GDF11	12	56136906
Post-traumatic stress disorder	X4930.21	STC1	8	23699442
Post-traumatic stress disorder	X5077.28	EPHB2	1	23037332
Post-traumatic stress disorder	X5228.25	KIF23	15	69706585

Post-traumatic stress disorder	X2970.60	AREG	4	75310853
Major depressive disorder	X3853.56	MDH1	2	63815743
Attention deficit hyperactivity disorder	X5846.24	NOG	17	54671060
Post-traumatic stress disorder	X3473.78	MPL	1	43803489
Schizophrenia	X14158.17	ANXA5	4	122589101
Anorexia nervosa	X4834.61	EPHA2	1	16450832
Schizophrenia	X13093.6	SECTM1	17	80278900
Anorexia nervosa	X4459.68	PCSK7	11	117075053
Post-traumatic stress disorder	X5879.51	DCTN2	12	57923416
Major depressive disorder	X3448.13	INSR	19	7112266
Attention deficit hyperactivity disorder	X3042.7	MB	22	36002811
Attention deficit hyperactivity disorder	X5792.8	AFP	4	74296855
Major depressive disorder	X2620.4	IL6ST	5	55230923
Post-traumatic stress disorder	X5066.134	CD300C	17	72537212
Anorexia nervosa	X2973.15	CD36	7	79998891
Schizophrenia	X6647.55	UBC	12	125396150
Post-traumatic stress disorder	X11096.57	N6AMT1	21	30244513
Post-traumatic stress disorder	X4983.6	ERP29	12	112451152
Post-traumatic stress disorder	X3172.28	ARSB	5	78073032
Attention deficit hyperactivity disorder	X4309.59	TPI1	12	6976283
Anorexia nervosa	X5061.27	ICOSLG	21	45635265
Anorexia nervosa	X14150.7	IL36A	2	113763036
Schizophrenia	X5353.89	IL1RN	2	113856892
Post-traumatic stress disorder	X2972.57	BMP7	20	55743809
Attention deficit hyperactivity disorder	X5490.53	SPOCK1	5	136310987
Major depressive disorder	X3449.58	SERPINA4	14	95027779
Post-traumatic stress disorder	X9199.6	UBE2G2	21	46188495
Schizophrenia	X3896.5	PGAM1	10	99185948
Post-traumatic stress disorder	X3708.62	A2M	12	9220260
Post-traumatic stress disorder	X4991.12	GPC5	13	92050875
Post-traumatic stress disorder	X3343.1	ACY1	3	52017356
Anorexia nervosa	X2768.56	HPX	11	6452279
Post-traumatic stress disorder	X3418.12	CAMK1D	10	12391546
Anorexia nervosa	X3855.56	PRDX1	1	45976586
Post-traumatic stress disorder	X14121.24	TNFRSF10]	8	22993101
Bipolar disorder	X5106.52	NOTCH2	1	120454176
Anorexia nervosa	X2870.29	RAC1	7	6414158
Post-traumatic stress disorder	X5494.52	SNRPF	12	96252730
Attention deficit hyperactivity disorder	X10339.48	ENO2	12	7022909
Post-traumatic stress disorder	X3280.49	ACAN	15	89346667
Post-traumatic stress disorder	X2617.56	ERBB3	12	56470583
Anorexia nervosa	X3707.12	ALB	4	74262831
Schizophrenia	X4931.59	F3	1	94994729
Anorexia nervosa	X4496.60	MMP12	11	102733467
Post-traumatic stress disorder	X2665.26	TNFRSF17	16	12059067

Post-traumatic stress disorder	X4905.63	COTL1	16	84599202
Attention deficit hyperactivity disorder	X14115.34	ADM	11	10326620
Post-traumatic stress disorder	X4866.59	NTRK2	9	87283290
Post-traumatic stress disorder	X3025.50	FGF2	4	123747863
Post-traumatic stress disorder	X3009.3	TGFBR3	1	92145900
Anorexia nervosa	X2642.4	PAFAH1B2	11	117015000
Post-traumatic stress disorder	X4188.1	AKR7A2	1	19630459
Anorexia nervosa	X2755.8	C3	19	6677715
Post-traumatic stress disorder	X3413.50	BCL2A1	15	80253234
Post-traumatic stress disorder	X2816.50	BCAM	19	45312328
Anorexia nervosa	X5062.60	CD226	18	67498394
Post-traumatic stress disorder	X2642.4	PAFAH1B2	11	117015000
Post-traumatic stress disorder	X5364.7	SET	9	131445703
Anorexia nervosa	X2683.1	C3	19	6677715
Major depressive disorder	X5364.7	SET	9	131445703
Schizophrenia	X2977.7	EDAR	2	109510927
Major depressive disorder	X3611.70	ECE1	1	21543740
Anorexia nervosa	X2816.50	BCAM	19	45312328
Post-traumatic stress disorder	X4429.51	CHST6	16	75505950
Attention deficit hyperactivity disorder	X3872.2	TPT1	13	45907606
Post-traumatic stress disorder	X2625.53	HSP90AA1	14	102547079
Post-traumatic stress disorder	X2625.53	HSP90AB1	6	44213903
Post-traumatic stress disorder	X2697.7	PF4	4	74846528
Schizophrenia	X10351.51	IRF1	5	131776132
Post-traumatic stress disorder	X3220.40	RET	10	43572512
Schizophrenia	X4547.59	FLRT1	11	63803403
Attention deficit hyperactivity disorder	X3041.55	MRC2	17	60705031
Attention deficit hyperactivity disorder	X3440.7	GZMA	5	54398474
Anorexia nervosa	X3391.10	PIK3CG	7	106505723
Bipolar disorder	X5852.6	S100A12	1	153346187
Attention deficit hyperactivity disorder	X4721.54	TFF3	21	43731777
Post-traumatic stress disorder	X14156.33	YWHAB	20	43514343
Anorexia nervosa	X5861.78	HAAO	2	42994229
Post-traumatic stress disorder	X3178.5	CTSC	11	87998237
Post-traumatic stress disorder	X5451.1	ALCAM	3	105085753
Post-traumatic stress disorder	X4452.9	LRRTM1	2	80515476
Bipolar disorder	X9176.3	MUC1	1	155158300
Bipolar disorder	X5121.3	SEMA6B	19	4542605
Major depressive disorder	X2617.56	ERBB3	12	56470583
Anorexia nervosa	X2937.10	APOE	19	45409048
Bipolar disorder	X9190.7	CD63	12	56119107
Post-traumatic stress disorder	X13133.73	LTBP4	19	41098789
Post-traumatic stress disorder	X3289.19	CA10	17	49707674
Attention deficit hyperactivity disorder	X10346.5	STAT3	17	40465342
Post-traumatic stress disorder	X3200.49	KLK13	19	51558883

Major depressive disorder	X5106.52	NOTCH2	1	120454176
Major depressive disorder	X3143.3	CD4	12	6896024
Attention deficit hyperactivity disorder	X13124.20	ISLR2	15	74392652
Anorexia nervosa	X3034.1	GFAP	17	42980527
Post-traumatic stress disorder	X8468.19	KLK3	19	51358171
Attention deficit hyperactivity disorder	X4162.54	TF	3	133464884
Bipolar disorder	X13119.26	SERPINA1(	14	94746797
Post-traumatic stress disorder	X13102.1	FAM3D	3	58619673
Major depressive disorder	X5483.1	RGMA	15	93578501
Post-traumatic stress disorder	X3585.54	BSG	19	571277
Post-traumatic stress disorder	X3450.4	KLK6	19	51461887
Anorexia nervosa	X2418.55	APOE	19	45409048
Major depressive disorder	X12060.28	GDF11	12	56136906
Bipolar disorder	X13094.75	RSPO3	6	127439816
Post-traumatic stress disorder	X5864.10	ALDOA	16	30075485
Post-traumatic stress disorder	X11510.31	APOL1	22	36649117
Post-traumatic stress disorder	X3592.4	CAMK1	3	9799031
Post-traumatic stress disorder	X7625.27	YWHAQ	2	9724096
Post-traumatic stress disorder	X3026.5	CAST	5	95860971
Post-traumatic stress disorder	X2441.2	FGF10	5	44300349
Schizophrenia	X13117.232	CHKB	22	51017388
Attention deficit hyperactivity disorder	X2744.57	IGHG1	14	106202680
Attention deficit hyperactivity disorder	X2744.57	IGHG2	14	106105896
Attention deficit hyperactivity disorder	X2744.57	IGHG3	14	106230840
Attention deficit hyperactivity disorder	X2744.57	IGHG4	14	106086843
Attention deficit hyperactivity disorder	X2744.57	IGHG1	14	106202680
Attention deficit hyperactivity disorder	X2744.57	IGLC6	22	23261707
Post-traumatic stress disorder	X2977.7	EDAR	2	109510927
Attention deficit hyperactivity disorder	X2794.60	SOD1	21	33031979
Anorexia nervosa	X5801.72	NGF	1	115828525
Post-traumatic stress disorder	X4992.49	GRN	17	42422614
Bipolar disorder	X5063.12	CD244	1	160799950
Post-traumatic stress disorder	X4982.54	PI3	20	43803543
Attention deficit hyperactivity disorder	X3419.49	CAMK2D	4	114339210
Attention deficit hyperactivity disorder	X3800.71	CKB	14	103986004
Post-traumatic stress disorder	X10364.6	SMAD2	18	45335328
Schizophrenia	X5001.6	SCGB2A1	11	61976145
Attention deficit hyperactivity disorder	X3170.6	METAP2	12	95867296
Anorexia nervosa	X2754.50	C3	19	6677715
Post-traumatic stress disorder	X2969.11	ACVRL1	12	52300692
Bipolar disorder	X10346.5	STAT3	17	40465342
Anorexia nervosa	X5486.73	ICAM2	17	62079954
Anorexia nervosa	X4128.27	CCL24	7	75440143
Attention deficit hyperactivity disorder	X2763.66	FGF20	8	16849690
Schizophrenia	X3200.49	KLK13	19	51558883

Schizophrenia	X3831.21	PTEN	10	89622395
Post-traumatic stress disorder	X5467.15	HSP90AB1	6	44213903
Major depressive disorder	X5275.28	VAV1	19	6772719
Schizophrenia	X11096.57	N6AMT1	21	30244513
Attention deficit hyperactivity disorder	X2942.50	CYCS	7	25158275
Attention deficit hyperactivity disorder	X5131.15	TNFRSF19	13	24144509
Major depressive disorder	X3391.10	PIK3CG	7	106505723
Bipolar disorder	X10344.334	IL10RA	11	117857085
Bipolar disorder	X4261.55	PON1	7	94926988
Anorexia nervosa	X5275.28	VAV1	19	6772719
Post-traumatic stress disorder	X5482.61	RBP4	10	95351444
Post-traumatic stress disorder	X4140.3	IL7	8	79587978
Schizophrenia	X5483.1	RGMA	15	93578501
Attention deficit hyperactivity disorder	X4961.17	ANXA2	15	60639333
Post-traumatic stress disorder	X13132.14	SEMA5A	5	9035145
Post-traumatic stress disorder	X13125.45	VTN	17	26694305
Major depressive disorder	X11096.57	N6AMT1	21	30244513
Bipolar disorder	X2998.53	JAM3	11	133938966
Anorexia nervosa	X3143.3	CD4	12	6896024
Schizophrenia	X4763.31	AFM	4	74347462
Post-traumatic stress disorder	X2449.1	PLA2G5	1	20354672
Post-traumatic stress disorder	X11105.171	ENO1	1	8921059
Anorexia nervosa	X5124.69	ICAM5	19	10400628
Anorexia nervosa	X3504.58	HAMP	19	35771619
Major depressive disorder	X2974.61	CNTN1	12	41086241
Post-traumatic stress disorder	X4544.4	PPBP	4	74852156
Anorexia nervosa	X4983.6	ERP29	12	112451152
Post-traumatic stress disorder	X9216.100	PLXNB2	22	50713408
Post-traumatic stress disorder	X3179.51	CTSA	20	44518783
Post-traumatic stress disorder	X2819.23	CDH5	16	66400525
Post-traumatic stress disorder	X2831.29	KLK11	19	51525472
Post-traumatic stress disorder	X7655.11	NPPB	1	11917521
Post-traumatic stress disorder	X3305.6	DLL4	15	41221538
Post-traumatic stress disorder	X3351.1	CAMK2B	7	44249618
Bipolar disorder	X3200.49	KLK13	19	51558883
Anorexia nervosa	X5792.8	AFP	4	74296855
Anorexia nervosa	X2986.49	CXCL3	4	74902306
Anorexia nervosa	X2986.49	CXCL2	4	74962757
Post-traumatic stress disorder	X3844.2	PPIA	7	44836279
Post-traumatic stress disorder	X4763.31	AFM	4	74347462
Anorexia nervosa	X3448.13	INSR	19	7112266
Anorexia nervosa	X2731.29	POR	7	75528518
Bipolar disorder	X2637.77	MRC1	10	18098352
Bipolar disorder	X4568.17	SLITRK5	13	88323626
Post-traumatic stress disorder	X4128.27	CCL24	7	75440143

Post-traumatic stress disorder	X4282.3	RAN	12	131356582
Post-traumatic stress disorder	X5486.73	ICAM2	17	62079954
Attention deficit hyperactivity disorder	X3815.14	IL12RB2	1	67773047
Attention deficit hyperactivity disorder	X3902.21	SKP1	5	133484626
Schizophrenia	X3041.55	MRC2	17	60705031
Attention deficit hyperactivity disorder	X3806.55	EPHA5	4	66185281
Post-traumatic stress disorder	X13095.51	REG1A	2	79347488
Post-traumatic stress disorder	X5301.7	CCL11	17	32612761
Bipolar disorder	X2851.63	C5	9	123695265
Attention deficit hyperactivity disorder	X3448.13	INSR	19	7112266
Post-traumatic stress disorder	X6641.60	UBB	17	16284112
Bipolar disorder	X14153.8	EFNA3	1	155051313
Major depressive disorder	X3037.62	IL1B	2	113587328
Bipolar disorder	X2642.4	PAFAH1B2	11	117015000
Post-traumatic stress disorder	X11081.1	GPD1	12	50497765
Schizophrenia	X5230.99	HMGCR	5	74632154
Post-traumatic stress disorder	X3728.52	SCT	11	626309
Post-traumatic stress disorder	X13103.125	CSH1	17	61972269
Post-traumatic stress disorder	X13103.125	CSH2	17	61949372
Post-traumatic stress disorder	X5312.49	APOE	19	45409048
Post-traumatic stress disorder	X2770.51	CCL1	17	32687347
Post-traumatic stress disorder	X2579.17	MMP9	20	44637547
Anorexia nervosa	X5885.55	EIF4H	7	73588561
Major depressive disorder	X2836.68	LCN2	9	130911350
Anorexia nervosa	X14125.5	APOM	6	31620193
Post-traumatic stress disorder	X2833.20	KLK4	19	51409607
Bipolar disorder	X2853.68	CHEK1	11	125495058
Attention deficit hyperactivity disorder	X5475.10	PRKCB	16	23847304
Attention deficit hyperactivity disorder	X3633.70	NID2	14	52471527
Post-traumatic stress disorder	X2652.15	PLAUR	19	44150247
Anorexia nervosa	X4967.1	C1QBP	17	5336097
Bipolar disorder	X5384.67	BRF1	14	105675623
Attention deficit hyperactivity disorder	X5090.49	LILRB1	19	55128612
Post-traumatic stress disorder	X2860.19	KPNA2	17	66031752
Post-traumatic stress disorder	X3030.3	CLEC4M	19	7828096
Anorexia nervosa	X5312.49	APOE	19	45409048
Post-traumatic stress disorder	X14131.37	EFNB2	13	107142093
Bipolar disorder	X2647.66	GDI2	10	5807186
Major depressive disorder	X3332.57	HJV	1	145398250
Post-traumatic stress disorder	X3611.70	ECE1	1	21543740
Major depressive disorder	X4969.2	CA1	8	86239837
Post-traumatic stress disorder	X4859.6	BMPR1A	10	88516358
Post-traumatic stress disorder	X13131.5	HK1	10	71029740
Bipolar disorder	X4924.32	MMP1	11	102660132
Post-traumatic stress disorder	X3171.57	APP	21	27252861

Post-traumatic stress disorder	X3516.60	CXCL12	10	44865613
Major depressive disorder	X5885.55	EIF4H	7	73588561
Post-traumatic stress disorder	X4332.6	CLEC1B	12	10138241
Post-traumatic stress disorder	X2790.54	PPBP	4	74852156
Post-traumatic stress disorder	X5035.7	TYMS	18	657653
Major depressive disorder	X14147.50	IFNG	12	68548548
Post-traumatic stress disorder	X2436.49	CXCL16	17	4636828
Post-traumatic stress disorder	X2997.8	JAM2	21	27011570
Post-traumatic stress disorder	X5104.57	NCR1	19	55417506
Attention deficit hyperactivity disorder	X14136.234	CD93	20	23059997
Anorexia nervosa	X5013.2	CLIC1	6	31698358
Post-traumatic stress disorder	X5250.53	IMPDH2	3	49061758
Post-traumatic stress disorder	X3206.4	LYVE1	11	10578513
Anorexia nervosa	X3643.90	SLITRK1	13	84451340
Bipolar disorder	X11516.7	FABP1	2	88422501
Anorexia nervosa	X3795.6	ADAM9	8	38854273
Post-traumatic stress disorder	X4561.65	BIRC7	20	61867235
Attention deficit hyperactivity disorder	X3905.62	UBE2N	12	93799449
Major depressive disorder	X5337.64	CD86	3	121774209
Post-traumatic stress disorder	X4389.2	DHH	12	49480439
Bipolar disorder	X2612.5	EIF5	14	103799881
Bipolar disorder	X4498.62	NCAM1	11	112831969
Post-traumatic stress disorder	X5122.92	SEMA6A	5	115779251
Bipolar disorder	X3077.66	F10	13	113777113
Anorexia nervosa	X5228.25	KIF23	15	69706585
Major depressive disorder	X5939.42	TNFSF12	17	7451825
Post-traumatic stress disorder	X4355.13	DAPK2	15	64199235
Anorexia nervosa	X3821.28	MAPKAPK	12	112280032
Post-traumatic stress disorder	X5846.24	NOG	17	54671060
Post-traumatic stress disorder	X4978.54	DBNL	7	44084239
Attention deficit hyperactivity disorder	X9191.8	TFF2	21	43766466
Attention deficit hyperactivity disorder	X4916.2	IGHD	14	106303099
Attention deficit hyperactivity disorder	X4916.2	IGHD	14	106303099
Attention deficit hyperactivity disorder	X4916.2	IGHD	14	106303099
Post-traumatic stress disorder	X2704.74	TNFRSF13]	17	16833130
Post-traumatic stress disorder	X4413.3	SLPI	20	43880880
Post-traumatic stress disorder	X3806.55	EPHA5	4	66185281
Bipolar disorder	X5465.32	HS6ST1	2	128994290
Anorexia nervosa	X4272.46	GPI	19	34850385
Attention deficit hyperactivity disorder	X2838.53	MMP17	12	132312938
Post-traumatic stress disorder	X3046.31	RETN	19	7733935
Post-traumatic stress disorder	X5255.22	PDE4D	5	58264865
Post-traumatic stress disorder	X2567.5	CFI	4	110652164
Post-traumatic stress disorder	X11098.1	PDXK	21	45138975
Anorexia nervosa	X3178.5	CTSC	11	87998237

Post-traumatic stress disorder	X4249.64	NME2	17	49242796
Post-traumatic stress disorder	X4811.33	ITIH4	3	52846978
Post-traumatic stress disorder	X2714.78	AIMP1	4	107236701
Anorexia nervosa	X2652.15	PLAUR	19	44150247
Major depressive disorder	X3800.71	CKB	14	103986004
Attention deficit hyperactivity disorder	X3585.54	BSG	19	571277
Post-traumatic stress disorder	X5264.65	CALR	19	13049392
Anorexia nervosa	X9202.309	ATP5PO	21	35275757
Post-traumatic stress disorder	X2480.58	TIMP3	22	33197691
Post-traumatic stress disorder	X3177.49	CA4	17	58227303
Anorexia nervosa	X4140.3	IL7	8	79587978
Post-traumatic stress disorder	X3447.64	CXCL8	4	74606236
Major depressive disorder	X3503.4	ITGA1	5	52083750
Major depressive disorder	X3503.4	ITGB1	10	33176201
Anorexia nervosa	X9191.8	TFF2	21	43766466
Attention deficit hyperactivity disorder	X10366.11	PDGFRA	4	55095447
Attention deficit hyperactivity disorder	X5246.64	PDE2A	11	72287185
Post-traumatic stress disorder	X3866.7	SBDS	7	66452667
Major depressive disorder	X3486.58	FGF1	5	141971743
Post-traumatic stress disorder	X2771.35	IGFBP1	7	45927959
Anorexia nervosa	X3890.8	LDHB	12	21788276
Post-traumatic stress disorder	X2693.20	OSM	22	30658818
Bipolar disorder	X5486.73	ICAM2	17	62079954
Schizophrenia	X4561.65	BIRC7	20	61867235
Post-traumatic stress disorder	X4890.10	POMC	2	25383722
Bipolar disorder	X4851.25	IL1A	2	113531502
Bipolar disorder	X5001.6	SCGB2A1	11	61976145
Post-traumatic stress disorder	X5110.84	NRXN1	2	50145641
Bipolar disorder	X3182.38	ENTPD1	10	97471536
Post-traumatic stress disorder	X5002.76	MMP14	14	23305769
Major depressive disorder	X5353.89	IL1RN	2	113856892
Major depressive disorder	X5888.29	EIF5A	17	7210318
Bipolar disorder	X2714.78	AIMP1	4	107236701
Attention deficit hyperactivity disorder	X3200.49	KLK13	19	51558883
Post-traumatic stress disorder	X2578.67	CCL2	17	32582293
Major depressive disorder	X4916.2	IGHD	14	106303099
Major depressive disorder	X4916.2	IGHD	14	106303099
Major depressive disorder	X4916.2	IGHD	14	106303099
Post-traumatic stress disorder	X9178.30	NRG1	8	31496738
Bipolar disorder	X3315.15	GPC2	7	99767229
Major depressive disorder	X4588.1	PPY	17	42018172
Anorexia nervosa	X2794.60	SOD1	21	33031979
Anorexia nervosa	X4413.3	SLPI	20	43880880
Anorexia nervosa	X3364.76	CTSV	9	99791959
Schizophrenia	X4148.49	PAPPA	9	118916070

Attention deficit hyperactivity disorder	X5108.72	NOTCH3	19	15269849
Anorexia nervosa	X10346.5	STAT3	17	40465342
Bipolar disorder	X3813.3	FYN	6	111981535
Anorexia nervosa	X5140.56	UNC5D	8	35092993
Attention deficit hyperactivity disorder	X4148.49	PAPPA	9	118916070
Attention deficit hyperactivity disorder	X3004.67	PDCD1LG2	9	5510531
Post-traumatic stress disorder	X7660.21	TPM4	19	16177831
Anorexia nervosa	X5451.1	ALCAM	3	105085753
Post-traumatic stress disorder	X3607.71	DKK3	11	11977754
Post-traumatic stress disorder	X3847.56	ETHE1	19	44010871
Attention deficit hyperactivity disorder	X4271.75	PFDN5	12	53689075
Bipolar disorder	X3844.2	PPIA	7	44836279
Schizophrenia	X3315.15	GPC2	7	99767229
Major depressive disorder	X3877.67	CAMKK1	17	3763609
Anorexia nervosa	X9207.60	CRYZL1	21	34961647
Post-traumatic stress disorder	X2753.2	C1QA	1	22961570
Post-traumatic stress disorder	X2753.2	C1QB	1	22979255
Post-traumatic stress disorder	X2753.2	C1QC	1	22969507
Major depressive disorder	X5030.52	SIRT2	19	39369195
Anorexia nervosa	X5246.64	PDE2A	11	72287185
Attention deficit hyperactivity disorder	X2686.67	IGFBP6	12	53491220
Bipolar disorder	X4420.7	ADAM12	10	127700950
Major depressive disorder	X3363.31	CSK	15	75074421
Bipolar disorder	X3220.40	RET	10	43572512
Schizophrenia	X4194.26	ANP32B	9	100745623
Schizophrenia	X2879.9	SERPINA3	14	95078721
Anorexia nervosa	X2704.74	TNFRSF13I	17	16833130
Attention deficit hyperactivity disorder	X4276.10	PEBP1	12	118573929
Bipolar disorder	X3835.11	TLR2	4	154605222
Post-traumatic stress disorder	X2658.27	NTRK3	15	88402982
Major depressive disorder	X2906.55	IL4	5	132009678
Schizophrenia	X3447.64	CXCL8	4	74606236
Post-traumatic stress disorder	X4487.1	FGF7	15	49715434
Bipolar disorder	X2906.55	IL4	5	132009678
Anorexia nervosa	X3815.14	IL12RB2	1	67773047
Anorexia nervosa	X3642.4	CD84	1	160510885
Anorexia nervosa	X5837.49	LIFR	5	38474770
Post-traumatic stress disorder	X5456.59	CNDP1	18	72201735
Attention deficit hyperactivity disorder	X5864.10	ALDOA	16	30075485
Bipolar disorder	X6152.111	TP53	17	7565097
Anorexia nervosa	X3220.40	RET	10	43572512
Post-traumatic stress disorder	X2752.62	GDF5	20	34021145
Bipolar disorder	X3025.50	FGF2	4	123747863
Post-traumatic stress disorder	X2851.63	C5	9	123695265
Major depressive disorder	X3738.54	CSF1	1	110452864

Post-traumatic stress disorder	X10351.51	IRF1	5	131776132
Post-traumatic stress disorder	X3197.70	IDE	10	94211441
Major depressive disorder	X3365.7	DKK4	8	42231581
Anorexia nervosa	X9180.6	IFNGR2	21	34775719
Post-traumatic stress disorder	X4127.75	C6	5	41142218
Post-traumatic stress disorder	X13107.9	LYPD3	19	43964939
Major depressive disorder	X13133.73	LTBP4	19	41098789
Major depressive disorder	X3009.3	TGFBR3	1	92145900
Anorexia nervosa	X5272.55	SHC1	1	154934774
Post-traumatic stress disorder	X3317.33	HTRA2	2	74756723
Major depressive disorder	X5792.8	AFP	4	74296855
Post-traumatic stress disorder	X5084.154	IL17RB	3	53880595
Bipolar disorder	X4429.51	CHST6	16	75505950
Attention deficit hyperactivity disorder	X2998.53	JAM3	11	133938966
Attention deficit hyperactivity disorder	X3143.3	CD4	12	6896024
Post-traumatic stress disorder	X5092.51	JAG1	20	10618332
Post-traumatic stress disorder	X2981.9	ESAM	11	124622479
Post-traumatic stress disorder	X4194.26	ANP32B	9	100745623
Post-traumatic stress disorder	X5356.2	MIF	22	24236570
Post-traumatic stress disorder	X4965.27	ATP5F1B	12	57031959
Post-traumatic stress disorder	X2998.53	JAM3	11	133938966
Major depressive disorder	X5246.64	PDE2A	11	72287185
Bipolar disorder	X5139.32	UNC5C	4	96083655
Post-traumatic stress disorder	X2986.49	CXCL3	4	74902306
Post-traumatic stress disorder	X2986.49	CXCL2	4	74962757
Attention deficit hyperactivity disorder	X3315.15	GPC2	7	99767229
Post-traumatic stress disorder	X5004.69	MAPK11	22	50702142
Anorexia nervosa	X7640.29	LRP1B	2	140988992
Anorexia nervosa	X2665.26	TNFRSF17	16	12059067
Anorexia nervosa	X3418.12	CAMK1D	10	12391546
Major depressive disorder	X4429.51	CHST6	16	75505950
Schizophrenia	X4916.2	IGHD	14	106303099
Schizophrenia	X4916.2	IGHD	14	106303099
Schizophrenia	X4916.2	IGHD	14	106303099
Post-traumatic stress disorder	X5909.51	NME1	17	49230920
Anorexia nervosa	X3042.7	MB	22	36002811
Schizophrenia	X5256.86	PDE5A	4	120415552
Major depressive disorder	X2611.72	TYRO3	15	41849873
Major depressive disorder	X14120.2	RNF43	17	56431037
Post-traumatic stress disorder	X4474.19	RPS27A	2	55459039
Post-traumatic stress disorder	X5475.10	PRKCB	16	23847304
Bipolar disorder	X3853.56	MDH1	2	63815743
Bipolar disorder	X4153.11	SERPINA3	14	95078721
Post-traumatic stress disorder	X5111.15	NRXN3	14	78636716
Anorexia nervosa	X3503.4	ITGA1	5	52083750

Anorexia nervosa	X3503.4	ITGB1	10	33176201
Bipolar disorder	X8458.111	SNCA	4	90621496
Anorexia nervosa	X3872.2	TPT1	13	45907606
Major depressive disorder	X2480.58	TIMP3	22	33197691
Attention deficit hyperactivity disorder	X5124.69	ICAM5	19	10400628
Schizophrenia	X3026.5	CAST	5	95860971
Post-traumatic stress disorder	X4924.32	MMP1	11	102660132
Anorexia nervosa	X5467.15	HSP90AB1	6	44213903
Post-traumatic stress disorder	X4931.59	F3	1	94994729
Attention deficit hyperactivity disorder	X2700.56	PROS1	3	93591895
Post-traumatic stress disorder	X5358.3	OMD	9	95174662
Post-traumatic stress disorder	X4961.17	ANXA2	15	60639333
Bipolar disorder	X3049.61	PRSS1	7	142457319
Anorexia nervosa	X9173.21	PGM1	1	64059082
Major depressive disorder	X4905.63	COTL1	16	84599202
Major depressive disorder	X2972.57	BMP7	20	55743809
Anorexia nervosa	X3365.7	DKK4	8	42231581
Post-traumatic stress disorder	X3800.71	CKB	14	103986004
Attention deficit hyperactivity disorder	X4903.72	PPP3CA	4	101944566
Attention deficit hyperactivity disorder	X4903.72	PPP3R1	2	68405989
Anorexia nervosa	X4878.3	F10	13	113777113
Bipolar disorder	X2879.9	SERPINA3	14	95078721
Anorexia nervosa	X2597.8	VEGFA	6	43737921
Post-traumatic stress disorder	X5480.49	CCL5	17	34198495
Schizophrenia	X9178.30	NRG1	8	31496738
Anorexia nervosa	X2837.3	MET	7	116312250
Anorexia nervosa	X3060.43	C9	5	39284242
Anorexia nervosa	X2823.7	COMMD7	20	31290501
Bipolar disorder	X3363.31	CSK	15	75074421
Schizophrenia	X5106.52	NOTCH2	1	120454176
Schizophrenia	X2938.55	APOE	19	45409048
Post-traumatic stress disorder	X3432.21	EPHA3	3	89156771
Attention deficit hyperactivity disorder	X4261.55	PON1	7	94926988
Schizophrenia	X4188.1	AKR7A2	1	19630459
Major depressive disorder	X4956.2	EREG	4	75230862
Attention deficit hyperactivity disorder	X8468.19	KLK3	19	51358171
Anorexia nervosa	X11510.31	APOL1	22	36649117
Attention deficit hyperactivity disorder	X3896.5	PGAM1	10	99185948
Attention deficit hyperactivity disorder	X5918.5	PSME1	14	24605372
Attention deficit hyperactivity disorder	X11098.1	PDXK	21	45138975
Post-traumatic stress disorder	X2811.27	ANGPT1	8	108261710
Post-traumatic stress disorder	X2848.2	WIF1	12	65444406
Post-traumatic stress disorder	X5918.5	PSME1	14	24605372
Major depressive disorder	X4158.54	PLAU	10	75668935
Post-traumatic stress disorder	X4153.11	SERPINA3	14	95078721

Anorexia nervosa	X2580.83	MPO	17	56347216
Anorexia nervosa	X5007.1	MAPK14	6	35995454
Bipolar disorder	X4956.2	EREG	4	75230862
Anorexia nervosa	X5346.24	CPNE1	20	34213953
Attention deficit hyperactivity disorder	X2748.3	INHBA	7	41706766
Post-traumatic stress disorder	X3822.54	MAPKAPK	3	50648951
Post-traumatic stress disorder	X5852.6	S100A12	1	153346187
Post-traumatic stress disorder	X2597.8	VEGFA	6	43737921
Attention deficit hyperactivity disorder	X2981.9	ESAM	11	124622479
Attention deficit hyperactivity disorder	X3280.49	ACAN	15	89346667
Post-traumatic stress disorder	X2692.74	PLA2G2A	1	20301924
Bipolar disorder	X12060.28	GDF11	12	56136906
Post-traumatic stress disorder	X2849.49	AIF1	6	31582994
Major depressive disorder	X5424.55	TNFRSF11A	18	59992520
Major depressive disorder	X4258.15	PA2G4	12	56498321
Post-traumatic stress disorder	X4957.1	RPSA	3	39448207
Post-traumatic stress disorder	X4276.10	PEBP1	12	118573929
Attention deficit hyperactivity disorder	X4314.12	DCTPP1	16	30434936
Major depressive disorder	X3315.15	GPC2	7	99767229
Attention deficit hyperactivity disorder	X3855.56	PRDX1	1	45976586
Attention deficit hyperactivity disorder	X13123.3	FLRT3	20	14303631
Post-traumatic stress disorder	X3055.54	IL4R	16	27324989
Post-traumatic stress disorder	X2644.11	PRKCA	17	64298731
Schizophrenia	X4923.79	AMH	19	2249308
Anorexia nervosa	X4840.73	CSF3	17	38171614
Post-traumatic stress disorder	X13109.82	NEGR1	1	71861626
Post-traumatic stress disorder	X9185.15	TFF1	21	43782391
Post-traumatic stress disorder	X2755.8	C3	19	6677715
Anorexia nervosa	X5437.63	FABP3	1	31838100
Post-traumatic stress disorder	X3810.50	FGR	1	27938575
Bipolar disorder	X4992.49	GRN	17	42422614
Major depressive disorder	X4983.6	ERP29	12	112451152
Post-traumatic stress disorder	X5124.69	ICAM5	19	10400628
Anorexia nervosa	X3179.51	CTSA	20	44518783
Anorexia nervosa	X3363.31	CSK	15	75074421
Schizophrenia	X5110.84	NRXN1	2	50145641
Post-traumatic stress disorder	X4423.77	BCL2L1	20	30252255
Attention deficit hyperactivity disorder	X6641.60	UBB	17	16284112
Schizophrenia	X5122.92	SEMA6A	5	115779251
Post-traumatic stress disorder	X3034.1	GFAP	17	42980527
Post-traumatic stress disorder	X3331.8	RGMB	5	98104354
Bipolar disorder	X5110.84	NRXN1	2	50145641
Anorexia nervosa	X3305.6	DLL4	15	41221538
Anorexia nervosa	X2201.17	COL18A1	21	46825080
Anorexia nervosa	X9204.33	POMC	2	25383722

Bipolar disorder	X4561.65	BIRC7	20	61867235
Anorexia nervosa	X4429.51	CHST6	16	75505950
Schizophrenia	X3078.1	PGF	14	75408537
Attention deficit hyperactivity disorder	X11096.57	N6AMT1	21	30244513
Major depressive disorder	X4961.17	ANXA2	15	60639333
Post-traumatic stress disorder	X4883.56	INS	11	2181009
Anorexia nervosa	X3028.36	CCL23	17	34340096
Anorexia nervosa	X3152.57	TNFRSF1B	1	12227048
Major depressive disorder	X5900.11	HINT1	5	130491076
Attention deficit hyperactivity disorder	X4890.10	POMC	2	25383722
Major depressive disorder	X2693.20	OSM	22	30658818
Major depressive disorder	X8459.10	BMP6	6	7726332
Major depressive disorder	X14127.240	IFNB1	9	21077103
Schizophrenia	X2838.53	MMP17	12	132312938
Major depressive disorder	X5109.24	NRCAM	7	107788068
Post-traumatic stress disorder	X5508.62	CTSD	11	1773982
Major depressive disorder	X3413.50	BCL2A1	15	80253234
Post-traumatic stress disorder	X4157.2	F2	11	46740746
Major depressive disorder	X13124.20	ISLR2	15	74392652
Post-traumatic stress disorder	X3389.7	SERPINA5	14	95027779
Post-traumatic stress disorder	X2615.60	EFNA5	5	106712595
Attention deficit hyperactivity disorder	X14132.21	HHLA2	3	108015376
Attention deficit hyperactivity disorder	X4561.65	BIRC7	20	61867235
Post-traumatic stress disorder	X2612.5	EIF5	14	103799881
Post-traumatic stress disorder	X3514.49	PRTN3	19	840999
Post-traumatic stress disorder	X3005.5	PTPN1	20	49126858
Anorexia nervosa	X4258.15	PA2G4	12	56498321
Major depressive disorder	X4866.59	NTRK2	9	87283290
Anorexia nervosa	X13124.20	ISLR2	15	74392652
Post-traumatic stress disorder	X2278.61	TIMP2	17	76849059
Post-traumatic stress disorder	X4301.58	TK1	17	76170172
Major depressive disorder	X3280.49	ACAN	15	89346667
Major depressive disorder	X5019.16	UCHL1	4	41258430
Anorexia nervosa	X13103.125	CSH1	17	61972269
Anorexia nervosa	X13103.125	CSH2	17	61949372
Post-traumatic stress disorder	X2828.82	SPINT1	15	41136216
Anorexia nervosa	X5867.60	ARG1	6	131791972
Attention deficit hyperactivity disorder	X4332.6	CLEC1B	12	10138241
Post-traumatic stress disorder	X5351.52	HNRNPA2l	7	26210771
Major depressive disorder	X3034.1	GFAP	17	42980527
Anorexia nervosa	X9199.6	UBE2G2	21	46188495
Schizophrenia	X4983.6	ERP29	12	112451152
Schizophrenia	X3488.64	CAT	11	34460481
Post-traumatic stress disorder	X5019.16	UCHL1	4	41258430
Post-traumatic stress disorder	X3365.7	DKK4	8	42231581

Schizophrenia	X14121.24	TNFRSF10	8	22993101
Anorexia nervosa	X14114.18	PIANP	12	6802957
Anorexia nervosa	X4474.19	RPS27A	2	55459039
Schizophrenia	X4423.77	BCL2L1	20	30252255
Anorexia nervosa	X5028.59	CD163	12	7623407
Attention deficit hyperactivity disorder	X2973.15	CD36	7	79998891
Anorexia nervosa	X2860.19	KPNA2	17	66031752
Anorexia nervosa	X5404.53	TNFRSF21	6	47199268
Attention deficit hyperactivity disorder	X3364.76	CTSV	9	99791959
Post-traumatic stress disorder	X13117.232	CHKB	22	51017388
Attention deficit hyperactivity disorder	X5065.8	CD83	6	14117487
Anorexia nervosa	X3766.51	STX1A	7	73113536
Post-traumatic stress disorder	X2748.3	INHBA	7	41706766
Anorexia nervosa	X5489.18	STIP1	11	63952744
Anorexia nervosa	X3077.66	F10	13	113777113
Schizophrenia	X2714.78	AIMP1	4	107236701
Attention deficit hyperactivity disorder	X5271.5	RAC3	17	79989554
Post-traumatic stress disorder	X2974.61	CNTN1	12	41086241
Attention deficit hyperactivity disorder	X4542.24	CLU	8	27454434
Bipolar disorder	X14131.37	EFNB2	13	107142093
Anorexia nervosa	X9171.11	CSRP3	11	19203577
Major depressive disorder	X9175.48	DSCAM	21	41382926
Anorexia nervosa	X12060.28	GDF11	12	56136906
Schizophrenia	X13112.179	FSTL1	3	120111140
Anorexia nervosa	X4533.76	ADAMTS1	11	130318540
Attention deficit hyperactivity disorder	X3009.3	TGFBR3	1	92145900
Post-traumatic stress disorder	X4271.75	PFDN5	12	53689075
Attention deficit hyperactivity disorder	X5063.12	CD244	1	160799950
Bipolar disorder	X2579.17	MMP9	20	44637547
Post-traumatic stress disorder	X4220.39	FER	5	108083542
Bipolar disorder	X3389.7	SERPINA5	14	95027779
Post-traumatic stress disorder	X3488.64	CAT	11	34460481
Attention deficit hyperactivity disorder	X5004.69	MAPK11	22	50702142
Major depressive disorder	X2514.65	EFNB3	17	7608520
Schizophrenia	X3234.23	CCDC80	3	112315644
Post-traumatic stress disorder	X9175.48	DSCAM	21	41382926
Bipolar disorder	X4976.57	CRK	17	1323983
Attention deficit hyperactivity disorder	X7660.21	TPM4	19	16177831
Major depressive disorder	X13131.5	HK1	10	71029740
Attention deficit hyperactivity disorder	X3322.52	LRIG3	12	59265931
Post-traumatic stress disorder	X3635.76	OCIAD1	4	48807229
Attention deficit hyperactivity disorder	X2697.7	PF4	4	74846528
Post-traumatic stress disorder	X2838.53	MMP17	12	132312938
Anorexia nervosa	X2942.50	CYCS	7	25158275
Bipolar disorder	X6653.58	CD47	3	107761938

Schizophrenia	X4976.57	CRK	17	1323983
Bipolar disorder	X2580.83	MPO	17	56347216
Anorexia nervosa	X2846.24	RPS27A	2	55459039
Schizophrenia	X2816.50	BCAM	19	45312328
Schizophrenia	X2967.8	VCAM1	1	101185298
Attention deficit hyperactivity disorder	X4544.4	PPBP	4	74852156
Bipolar disorder	X4194.26	ANP32B	9	100745623
Anorexia nervosa	X4397.26	IFNL2	19	39759036
Attention deficit hyperactivity disorder	X2811.27	ANGPT1	8	108261710
Post-traumatic stress disorder	X14125.5	APOM	6	31620193
Major depressive disorder	X2763.66	FGF20	8	16849690
Schizophrenia	X3766.51	STX1A	7	73113536
Anorexia nervosa	X2889.37	CTF1	16	30907935
Bipolar disorder	X3635.76	OCIAD1	4	48807229
Attention deficit hyperactivity disorder	X3331.8	RGMB	5	98104354
Post-traumatic stress disorder	X5437.63	FABP3	1	31838100
Major depressive disorder	X10366.11	PDGFRA	4	55095447
Post-traumatic stress disorder	X3646.7	TEC	4	48137800
Anorexia nervosa	X2714.78	AIMP1	4	107236701
Anorexia nervosa	X7660.21	TPM4	19	16177831
Anorexia nervosa	X5864.10	ALDOA	16	30075485
Post-traumatic stress disorder	X3825.18	MAPK8	10	49514682
Bipolar disorder	X4961.17	ANXA2	15	60639333
Post-traumatic stress disorder	X3294.55	CFC1	2	131349738
Post-traumatic stress disorder	X5346.24	CPNE1	20	34213953
Major depressive disorder	X4148.49	PAPPA	9	118916070
Bipolar disorder	X13093.6	SECTM1	17	80278900
Anorexia nervosa	X4192.10	AKR1A1	1	46016215
Bipolar disorder	X5122.92	SEMA6A	5	115779251
Attention deficit hyperactivity disorder	X3485.28	B2M	15	45003556
Anorexia nervosa	X3839.60	AIP	11	67235645
Anorexia nervosa	X4920.10	LYZ	12	69742161
Schizophrenia	X2943.5	CYP3A4	7	99354583
Bipolar disorder	X3326.58	CADM1	11	115039938
Bipolar disorder	X14157.21	YWHAE	17	1247569
Major depressive disorder	X4314.12	DCTPP1	16	30434936
Anorexia nervosa	X2849.49	AIF1	6	31582994
Schizophrenia	X14124.6	EFNA2	19	1285872
Anorexia nervosa	X2970.60	AREG	4	75310853
Attention deficit hyperactivity disorder	X3844.2	PPIA	7	44836279
Anorexia nervosa	X2748.3	INHBA	7	41706766
Post-traumatic stress disorder	X4967.1	C1QBP	17	5336097
Bipolar disorder	X4721.54	TFF3	21	43731777
Post-traumatic stress disorder	X2201.17	COL18A1	21	46825080
Anorexia nervosa	X3449.58	SERPINA4	14	95027779

Bipolar disorder	X4250.23	NSFL1C	20	1422807
Attention deficit hyperactivity disorder	X4498.62	NCAM1	11	112831969
Bipolar disorder	X5229.90	IMPDH1	7	128032331
Anorexia nervosa	X5121.3	SEMA6B	19	4542605
Schizophrenia	X3037.62	IL1B	2	113587328
Anorexia nervosa	X2516.57	CCL21	9	34709002
Anorexia nervosa	X3326.58	CADM1	11	115039938
Anorexia nervosa	X4992.49	GRN	17	42422614
Bipolar disorder	X2436.49	CXCL16	17	4636828
Bipolar disorder	X14120.2	RNF43	17	56431037
Bipolar disorder	X3585.54	BSG	19	571277
Anorexia nervosa	X4982.54	PI3	20	43803543
Post-traumatic stress disorder	X2999.6	LSAMP	3	115521210
Anorexia nervosa	X3853.56	MDH1	2	63815743
Major depressive disorder	X2748.3	INHBA	7	41706766
Bipolar disorder	X5260.80	TYK2	19	10461209
Major depressive disorder	X4763.31	AFM	4	74347462
Schizophrenia	X2693.20	OSM	22	30658818
Major depressive disorder	X3325.2	MATN2	8	98881068
Anorexia nervosa	X5102.55	MICB	6	31462658
Anorexia nervosa	X5918.5	PSME1	14	24605372
Schizophrenia	X3322.52	LRIG3	12	59265931
Schizophrenia	X4499.21	PDGFA	7	536895
Anorexia nervosa	X13107.9	LYPD3	19	43964939
Major depressive disorder	X3480.7	DUSP3	17	41843493
Schizophrenia	X3363.31	CSK	15	75074421
Major depressive disorder	X3872.2	TPT1	13	45907606
Post-traumatic stress disorder	X3182.38	ENTPD1	10	97471536
Anorexia nervosa	X3896.5	PGAM1	10	99185948
Anorexia nervosa	X3195.50	GNLY	2	85912298
Attention deficit hyperactivity disorder	X10351.51	IRF1	5	131776132
Bipolar disorder	X2654.19	TNFRSF1A	12	6437923
Anorexia nervosa	X3186.2	C2	6	31865562
Post-traumatic stress disorder	X5139.32	UNC5C	4	96083655
Schizophrenia	X9211.19	SERPINF1	17	1665323
Attention deficit hyperactivity disorder	X2665.26	TNFRSF17	16	12059067
Bipolar disorder	X5035.7	TYMS	18	657653
Attention deficit hyperactivity disorder	X5092.51	JAG1	20	10618332
Post-traumatic stress disorder	X5116.62	ROBO2	3	75955846
Major depressive disorder	X4547.59	FLRT1	11	63803403
Anorexia nervosa	X3280.49	ACAN	15	89346667
Post-traumatic stress disorder	X5065.8	CD83	6	14117487
Anorexia nervosa	X4719.58	PDIA3	15	44038592
Major depressive disorder	X2418.55	APOE	19	45409048
Schizophrenia	X2827.23	CX3CL1	16	57406389

Post-traumatic stress disorder	X5462.62	FCN3	1	27695601
Major depressive disorder	X13119.26	SERPINA1(	14	94746797
Major depressive disorder	X7648.9	MYBPC1	12	101962131
Attention deficit hyperactivity disorder	X3611.70	ECE1	1	21543740
Anorexia nervosa	X8480.29	EFEMP1	2	56093102
Anorexia nervosa	X4957.1	RPSA	3	39448207
Major depressive disorder	X4301.58	TK1	17	76170172
Schizophrenia	X3298.52	CNTN4	3	2140497
Bipolar disorder	X4963.19	ARPP19	15	52839242
Anorexia nervosa	X4916.2	IGHD	14	106303099
Anorexia nervosa	X4916.2	IGHD	14	106303099
Anorexia nervosa	X4916.2	IGHD	14	106303099
Post-traumatic stress disorder	X2973.15	CD36	7	79998891
Post-traumatic stress disorder	X4903.72	PPP3CA	4	101944566
Post-traumatic stress disorder	X4903.72	PPP3R1	2	68405989
Attention deficit hyperactivity disorder	X2853.68	CHEK1	11	125495058
Post-traumatic stress disorder	X2889.37	CTF1	16	30907935
Major depressive disorder	X2833.20	KLK4	19	51409607
Schizophrenia	X4122.12	DDR1	6	30844198
Anorexia nervosa	X2828.82	SPINT1	15	41136216
Attention deficit hyperactivity disorder	X5467.15	HSP90AB1	6	44213903
Anorexia nervosa	X4124.24	HSPA1A	6	31783320
Anorexia nervosa	X4721.54	TFF3	21	43731777
Post-traumatic stress disorder	X3057.55	CCN2	6	132269316
Post-traumatic stress disorder	X2975.19	CCN2	6	132269316
Bipolar disorder	X3298.52	CNTN4	3	2140497
Major depressive disorder	X2846.24	RPS27A	2	55459039
Schizophrenia	X9191.8	TFF2	21	43766466
Post-traumatic stress disorder	X2754.50	C3	19	6677715
Major depressive disorder	X4960.72	ANXA1	9	75766781
Attention deficit hyperactivity disorder	X4496.60	MMP12	11	102733467
Major depressive disorder	X4423.77	BCL2L1	20	30252255
Post-traumatic stress disorder	X5076.53	EPHA10	1	38179552
Post-traumatic stress disorder	X4706.17	EPB41	1	29213603
Post-traumatic stress disorder	X5023.23	ADSL	22	40742465
Anorexia nervosa	X10372.18	STAT6	12	57489191
Anorexia nervosa	X5508.62	CTSD	11	1773982
Anorexia nervosa	X3611.70	ECE1	1	21543740
Anorexia nervosa	X2943.5	CYP3A4	7	99354583
Major depressive disorder	X11516.7	FABP1	2	88422501
Post-traumatic stress disorder	X9211.19	SERPINF1	17	1665323
Attention deficit hyperactivity disorder	X5494.52	SNRPF	12	96252730
Post-traumatic stress disorder	X3474.19	THBS1	15	39873280
Anorexia nervosa	X10364.6	SMAD2	18	45335328
Schizophrenia	X5030.52	SIRT2	19	39369195

Post-traumatic stress disorder	X4314.12	DCTPP1	16	30434936
Post-traumatic stress disorder	X14127.240	IFNB1	9	21077103
Major depressive disorder	X3903.49	SNX4	3	125165494
Post-traumatic stress disorder	X13124.20	ISLR2	15	74392652
Post-traumatic stress disorder	X4703.87	LTA	6	31539831
Anorexia nervosa	X5301.7	CCL11	17	32612761
Post-traumatic stress disorder	X5476.66	PRKCG	19	54382444
Bipolar disorder	X4971.1	CTSZ	20	57560741
Bipolar disorder	X4437.56	ENTPD5	14	74424713
Post-traumatic stress disorder	X3518.54	CPB2	13	46627321
Post-traumatic stress disorder	X4122.12	DDR1	6	30844198
Bipolar disorder	X2937.10	APOE	19	45409048
Bipolar disorder	X3038.9	CXCL11	4	76954835
Post-traumatic stress disorder	X5034.79	PRSS2	7	974014
Bipolar disorder	X4306.4	TKT	3	53258728
Attention deficit hyperactivity disorder	X13093.6	SECTM1	17	80278900
Schizophrenia	X3060.43	C9	5	39284242
Post-traumatic stress disorder	X5354.11	KRT18	12	53342655
Post-traumatic stress disorder	X3640.14	LRPAP1	4	3505339
Post-traumatic stress disorder	X2813.11	AGRP	16	67516474
Post-traumatic stress disorder	X5021.13	PPA1	10	71962591
Anorexia nervosa	X10990.21	LRRK2	12	40590546
Schizophrenia	X4250.23	NSFL1C	20	1422807
Schizophrenia	X4332.6	CLEC1B	12	10138241
Post-traumatic stress disorder	X8463.2	SOD3	4	24791534
Anorexia nervosa	X3285.23	C1R	12	7187513
Anorexia nervosa	X9211.19	SERPINF1	17	1665323
Attention deficit hyperactivity disorder	X13114.50	LUM	12	91496406
Post-traumatic stress disorder	X5404.53	TNFRSF21	6	47199268
Post-traumatic stress disorder	X2906.55	IL4	5	132009678
Anorexia nervosa	X3485.28	B2M	15	45003556
Schizophrenia	X3822.54	MAPKAPK	3	50648951
Major depressive disorder	X4153.11	SERPINA3	14	95078721
Schizophrenia	X14157.21	YWHAE	17	1247569
Anorexia nervosa	X3351.1	CAMK2B	7	44249618
Post-traumatic stress disorder	X14114.18	PIANP	12	6802957
Anorexia nervosa	X14156.33	YWHAB	20	43514343
Bipolar disorder	X4271.75	PFDN5	12	53689075
Bipolar disorder	X3170.6	METAP2	12	95867296
Major depressive disorder	X3389.7	SERPINA5	14	95027779
Post-traumatic stress disorder	X2683.1	C3	19	6677715
Anorexia nervosa	X5021.13	PPA1	10	71962591
Bipolar disorder	X5440.26	TNNI2	11	1860211
Schizophrenia	X11098.1	PDXK	21	45138975
Major depressive disorder	X3707.12	ALB	4	74262831

Schizophrenia	X8476.11	CHGA	14	93389495
Major depressive disorder	X5486.73	ICAM2	17	62079954
Attention deficit hyperactivity disorder	X14156.33	YWHAB	20	43514343
Schizophrenia	X3182.38	ENTPD1	10	97471536
Bipolar disorder	X9211.19	SERPINF1	17	1665323
Bipolar disorder	X2768.56	HPX	11	6452279
Anorexia nervosa	X5897.58	GRP	18	56887390
Anorexia nervosa	X6641.60	UBB	17	16284112
Anorexia nervosa	X8458.111	SNCA	4	90621496
Schizophrenia	X2855.49	MAPK3	16	30125426
Anorexia nervosa	X5470.69	MED1	17	37560538
Anorexia nervosa	X3847.56	ETHE1	19	44010871
Anorexia nervosa	X5019.16	UCHL1	4	41258430
Post-traumatic stress disorder	X4719.58	PDIA3	15	44038592
Post-traumatic stress disorder	X5000.52	LGALS3BP	17	76967320
Post-traumatic stress disorder	X5028.59	CD163	12	7623407
Major depressive disorder	X3234.23	CCDC80	3	112315644
Post-traumatic stress disorder	X4815.25	TXNDC12	1	52485803
Attention deficit hyperactivity disorder	X2642.4	PAFAH1B2	11	117015000
Post-traumatic stress disorder	X4588.1	PPY	17	42018172
Schizophrenia	X4905.63	COTL1	16	84599202
Attention deficit hyperactivity disorder	X6647.55	UBC	12	125396150
Schizophrenia	X2877.3	UBE2I	16	1358881
Post-traumatic stress disorder	X9204.33	POMC	2	25383722
Major depressive disorder	X2986.49	CXCL3	4	74902306
Major depressive disorder	X2986.49	CXCL2	4	74962757
Attention deficit hyperactivity disorder	X3320.49	IGFBP7	4	57896939
Major depressive disorder	X9191.8	TFF2	21	43766466
Anorexia nervosa	X5260.80	TYK2	19	10461209
Major depressive disorder	X13093.6	SECTM1	17	80278900
Post-traumatic stress disorder	X5885.55	EIF4H	7	73588561
Post-traumatic stress disorder	X3028.36	CCL23	17	34340096
Post-traumatic stress disorder	X4124.24	HSPA1A	6	31783320
Major depressive disorder	X2580.83	MPO	17	56347216
Bipolar disorder	X14150.7	IL36A	2	113763036
Anorexia nervosa	X3473.78	MPL	1	43803489
Attention deficit hyperactivity disorder	X13095.51	REG1A	2	79347488
Major depressive disorder	X2585.2	PRL	6	22287473
Post-traumatic stress disorder	X5798.3	BID	22	18216904
Post-traumatic stress disorder	X3727.35	PYY	17	42030101
Post-traumatic stress disorder	X4261.55	PON1	7	94926988
Major depressive disorder	X3381.24	LYN	8	56792394
Anorexia nervosa	X2819.23	CDH5	16	66400525
Major depressive disorder	X5124.69	ICAM5	19	10400628
Post-traumatic stress disorder	X5345.51	CKAP2	13	53029564

Anorexia nervosa	X3607.71	DKK3	11	11977754
Bipolar disorder	X4719.58	PDIA3	15	44038592
Major depressive disorder	X2449.1	PLA2G5	1	20354672
Post-traumatic stress disorder	X4963.19	ARPP19	15	52839242
Anorexia nervosa	X2515.14	GFRA2	8	21547910
Major depressive disorder	X2855.49	MAPK3	16	30125426
Schizophrenia	X5456.59	CNDP1	18	72201735
Bipolar disorder	X2686.67	IGFBP6	12	53491220
Attention deficit hyperactivity disorder	X3887.90	KPNB1	17	45726842
Schizophrenia	X5004.69	MAPK11	22	50702142
Attention deficit hyperactivity disorder	X5084.154	IL17RB	3	53880595
Anorexia nervosa	X4541.49	CDON	11	125825691
Schizophrenia	X4271.75	PFDN5	12	53689075
Post-traumatic stress disorder	X2515.14	GFRA2	8	21547910
Attention deficit hyperactivity disorder	X2962.50	PTHLH	12	28111017
Major depressive disorder	X4220.39	FER	5	108083542
Major depressive disorder	X3343.1	ACY1	3	52017356
Post-traumatic stress disorder	X2711.6	CNTFR	9	34551430
Schizophrenia	X4452.9	LRRTM1	2	80515476
Post-traumatic stress disorder	X5792.8	AFP	4	74296855
Bipolar disorder	X5228.25	KIF23	15	69706585
Post-traumatic stress disorder	X3285.23	C1R	12	7187513
Schizophrenia	X3440.7	GZMA	5	54398474
Attention deficit hyperactivity disorder	X13109.82	NEGR1	1	71861626
Major depressive disorder	X5482.61	RBP4	10	95351444
Bipolar disorder	X3343.1	ACY1	3	52017356
Post-traumatic stress disorder	X13123.3	FLRT3	20	14303631
Schizophrenia	X9173.21	PGM1	1	64059082
Anorexia nervosa	X2480.58	TIMP3	22	33197691
Anorexia nervosa	X5475.10	PRKCB	16	23847304
Anorexia nervosa	X9169.14	SUMO3	21	46225532
Major depressive disorder	X3727.35	PYY	17	42030101
Anorexia nervosa	X3466.8	PRKACA	19	14202500
Anorexia nervosa	X3727.35	PYY	17	42030101
Anorexia nervosa	X3877.67	CAMKK1	17	3763609
Major depressive disorder	X5061.27	ICOSLG	21	45635265
Attention deficit hyperactivity disorder	X14121.24	TNFRSF10]	8	22993101
Anorexia nervosa	X2579.17	MMP9	20	44637547
Attention deficit hyperactivity disorder	X3073.51	IL18BP	11	71709659
Major depressive disorder	X7660.21	TPM4	19	16177831
Post-traumatic stress disorder	X13116.25	CD177	19	43857838
Bipolar disorder	X3024.18	SERPINF2	17	1646130
Anorexia nervosa	X2949.6	PLA2G10	16	14766405
Attention deficit hyperactivity disorder	X2418.55	APOE	19	45409048
Attention deficit hyperactivity disorder	X4960.72	ANXA1	9	75766781

Bipolar disorder	X4905.63	COTL1	16	84599202
Post-traumatic stress disorder	X3821.28	MAPKAPK	12	112280032
Anorexia nervosa	X9190.7	CD63	12	56119107
Anorexia nervosa	X2848.2	WIF1	12	65444406
Major depressive disorder	X2937.10	APOE	19	45409048
Bipolar disorder	X3516.60	CXCL12	10	44865613
Anorexia nervosa	X3844.2	PPIA	7	44836279
Attention deficit hyperactivity disorder	X4413.3	SLPI	20	43880880
Anorexia nervosa	X4568.17	SLITRK5	13	88323626
Bipolar disorder	X4258.15	PA2G4	12	56498321
Post-traumatic stress disorder	X4542.24	CLU	8	27454434
Post-traumatic stress disorder	X5888.29	EIF5A	17	7210318
Schizophrenia	X10346.5	STAT3	17	40465342
Post-traumatic stress disorder	X3535.84	DKK1	10	54074041
Schizophrenia	X3866.7	SBDS	7	66452667
Schizophrenia	X5007.1	MAPK14	6	35995454
Major depressive disorder	X5028.59	CD163	12	7623407
Attention deficit hyperactivity disorder	X2585.2	PRL	6	22287473
Anorexia nervosa	X5139.32	UNC5C	4	96083655
Schizophrenia	X13094.75	RSPO3	6	127439816
Anorexia nervosa	X9183.7	IFNAR1	21	34696692
Attention deficit hyperactivity disorder	X2827.23	CX3CL1	16	57406389
Bipolar disorder	X14127.240	IFNB1	9	21077103
Post-traumatic stress disorder	X9196.8	LGALS7	19	39261608
Attention deficit hyperactivity disorder	X2753.2	C1QA	1	22961570
Attention deficit hyperactivity disorder	X2753.2	C1QB	1	22979255
Attention deficit hyperactivity disorder	X2753.2	C1QC	1	22969507
Post-traumatic stress disorder	X3905.62	UBE2N	12	93799449
Anorexia nervosa	X10363.13	SMAD3	15	67356101
Major depressive disorder	X5489.18	STIP1	11	63952744
Bipolar disorder	X4436.1	ENTPD3	3	40428675
Post-traumatic stress disorder	X3073.51	IL18BP	11	71709659
Anorexia nervosa	X2692.74	PLA2G2A	1	20301924
Post-traumatic stress disorder	X2686.67	IGFBP6	12	53491220
Anorexia nervosa	X3432.21	EPHA3	3	89156771
Attention deficit hyperactivity disorder	X3845.51	DYNLRB1	20	33104200
Bipolar disorder	X5897.58	GRP	18	56887390
Bipolar disorder	X3381.24	LYN	8	56792394
Anorexia nervosa	X4965.27	ATP5F1B	12	57031959
Major depressive disorder	X3305.6	DLL4	15	41221538
Schizophrenia	X3397.7	PTPN11	12	112856155
Major depressive disorder	X3078.1	PGF	14	75408537
Bipolar disorder	X3877.67	CAMKK1	17	3763609
Post-traumatic stress disorder	X2942.50	CYCS	7	25158275
Schizophrenia	X4162.54	TF	3	133464884

Attention deficit hyperactivity disorder	X2475.1	KIT	4	55523434
Bipolar disorder	X5939.42	TNFSF12	17	7451825
Post-traumatic stress disorder	X5316.54	F2	11	46740746
Bipolar disorder	X4883.56	INS	11	2181009
Anorexia nervosa	X3827.22	PAK6	15	40509629
Schizophrenia	X3206.4	LYVE1	11	10578513
Post-traumatic stress disorder	X3143.3	CD4	12	6896024
Attention deficit hyperactivity disorder	X4232.19	IGF1R	15	99191768
Post-traumatic stress disorder	X3836.51	UFM1	13	38923986
Post-traumatic stress disorder	X5262.57	BCAR3	1	94027298
Major depressive disorder	X2877.3	UBE2I	16	1358881
Post-traumatic stress disorder	X3859.50	PSMA1	11	14526420
Post-traumatic stress disorder	X3403.1	TPSB2	16	1277272
Post-traumatic stress disorder	X3184.25	F7	13	113760102
Post-traumatic stress disorder	X5861.78	HAAO	2	42994229
Schizophrenia	X2973.15	CD36	7	79998891
Post-traumatic stress disorder	X3466.8	PRKACA	19	14202500
Anorexia nervosa	X2441.2	FGF10	5	44300349
Schizophrenia	X2480.58	TIMP3	22	33197691
Post-traumatic stress disorder	X11089.7	IGHA2	14	106053226
Post-traumatic stress disorder	X11089.7	IGHA1	14	106170332
Anorexia nervosa	X3730.81	TNFRSF4	1	1146706
Anorexia nervosa	X4547.59	FLRT1	11	63803403
Bipolar disorder	X13131.5	HK1	10	71029740
Anorexia nervosa	X5002.76	MMP14	14	23305769
Post-traumatic stress disorder	X2580.83	MPO	17	56347216
Anorexia nervosa	X2449.1	PLA2G5	1	20354672
Major depressive disorder	X4982.54	PI3	20	43803543
Schizophrenia	X5852.6	S100A12	1	153346187
Attention deficit hyperactivity disorder	X5858.6	YWHAZ	8	101928751
Attention deficit hyperactivity disorder	X2514.65	EFNB3	17	7608520
Post-traumatic stress disorder	X4374.45	GDF15	19	18485541
Schizophrenia	X4258.15	PA2G4	12	56498321
Post-traumatic stress disorder	X3041.55	MRC2	17	60705031
Attention deficit hyperactivity disorder	X5019.16	UCHL1	4	41258430
Schizophrenia	X3057.55	CCN2	6	132269316
Anorexia nervosa	X13132.14	SEMA5A	5	9035145
Post-traumatic stress disorder	X9180.6	IFNGR2	21	34775719
Anorexia nervosa	X5108.72	NOTCH3	19	15269849
Attention deficit hyperactivity disorder	X3206.4	LYVE1	11	10578513
Schizophrenia	X3601.54	CHL1	3	238446
Bipolar disorder	X2585.2	PRL	6	22287473
Anorexia nervosa	X5105.2	RTN4R	22	20228938
Major depressive disorder	X5001.6	SCGB2A1	11	61976145
Major depressive disorder	X4719.58	PDIA3	15	44038592

Attention deficit hyperactivity disorder	X5264.65	CALR	19	13049392
Post-traumatic stress disorder	X5115.31	RELT	11	73087444
Anorexia nervosa	X5412.53	CD27	12	6554121
Post-traumatic stress disorder	X5837.49	LIFR	5	38474770
Bipolar disorder	X3391.10	PIK3CG	7	106505723
Schizophrenia	X5139.32	UNC5C	4	96083655
Bipolar disorder	X3152.57	TNFRSF1B	1	12227048
Post-traumatic stress disorder	X4834.61	EPHA2	1	16450832
Anorexia nervosa	X3799.11	CA3	8	86285665
Attention deficit hyperactivity disorder	X2637.77	MRC1	10	18098352
Major depressive disorder	X4563.61	PLCG1	20	39765600
Anorexia nervosa	X2855.49	MAPK3	16	30125426
Post-traumatic stress disorder	X2182.54	C4A	6	31949834
Post-traumatic stress disorder	X2182.54	C4B	6	31982572
Bipolar disorder	X3640.14	LRPAP1	4	3505339
Post-traumatic stress disorder	X3024.18	SERPINF2	17	1646130
Anorexia nervosa	X4129.72	CFB	6	31913427
Schizophrenia	X2889.37	CTF1	16	30907935
Attention deficit hyperactivity disorder	X5354.11	KRT18	12	53342655
Major depressive disorder	X3447.64	CXCL8	4	74606236
Schizophrenia	X3853.56	MDH1	2	63815743
Anorexia nervosa	X5065.8	CD83	6	14117487
Major depressive disorder	X5476.66	PRKCG	19	54382444
Bipolar disorder	X3839.60	AIP	11	67235645
Bipolar disorder	X2615.60	EFNA5	5	106712595
Bipolar disorder	X3178.5	CTSC	11	87998237
Schizophrenia	X2975.19	CCN2	6	132269316
Major depressive disorder	X2704.74	TNFRSF13]	17	16833130
Attention deficit hyperactivity disorder	X4140.3	IL7	8	79587978
Attention deficit hyperactivity disorder	X3640.14	LRPAP1	4	3505339
Bipolar disorder	X3305.6	DLL4	15	41221538
Schizophrenia	X7625.27	YWHAQ	2	9724096
Bipolar disorder	X3643.90	SLITRK1	13	84451340
Attention deficit hyperactivity disorder	X3643.90	SLITRK1	13	84451340
Schizophrenia	X3073.51	IL18BP	11	71709659
Major depressive disorder	X3178.5	CTSC	11	87998237
Bipolar disorder	X13109.82	NEGR1	1	71861626
Post-traumatic stress disorder	X8459.10	BMP6	6	7726332
Anorexia nervosa	X3024.18	SERPINF2	17	1646130
Schizophrenia	X3391.10	PIK3CG	7	106505723
Attention deficit hyperactivity disorder	X3314.74	GFRA1	10	117816436
Major depressive disorder	X2597.8	VEGFA	6	43737921
Major depressive disorder	X2652.15	PLAUR	19	44150247
Bipolar disorder	X5456.59	CNDP1	18	72201735
Schizophrenia	X5476.66	PRKCG	19	54382444

Anorexia nervosa	X5030.52	SIRT2	19	39369195
Schizophrenia	X2828.82	SPINT1	15	41136216
Schizophrenia	X6653.58	CD47	3	107761938
Schizophrenia	X11516.7	FABP1	2	88422501
Bipolar disorder	X2567.5	CFI	4	110652164
Post-traumatic stress disorder	X2611.72	TYRO3	15	41849873
Schizophrenia	X2418.55	APOE	19	45409048
Major depressive disorder	X3607.71	DKK3	11	11977754
Major depressive disorder	X5131.15	TNFRSF19	13	24144509
Anorexia nervosa	X11098.1	PDXK	21	45138975
Anorexia nervosa	X9185.15	TFF1	21	43782391
Attention deficit hyperactivity disorder	X4158.54	PLAU	10	75668935
Post-traumatic stress disorder	X3707.12	ALB	4	74262831
Bipolar disorder	X5109.24	NRCAM	7	107788068
Attention deficit hyperactivity disorder	X2828.82	SPINT1	15	41136216
Bipolar disorder	X5463.22	GAS1	9	89559277
Post-traumatic stress disorder	X5807.77	CD70	19	6583194
Post-traumatic stress disorder	X3480.7	DUSP3	17	41843493
Anorexia nervosa	X3299.29	CNTN5	11	98891679
Anorexia nervosa	X5077.28	EPHB2	1	23037332
Bipolar disorder	X4309.59	TPI1	12	6976283
Schizophrenia	X14120.2	RNF43	17	56431037
Bipolar disorder	X2617.56	ERBB3	12	56470583
Major depressive disorder	X4976.57	CRK	17	1323983
Bipolar disorder	X5481.16	RASA1	5	86563700
Bipolar disorder	X3234.23	CCDC80	3	112315644
Attention deficit hyperactivity disorder	X5030.52	SIRT2	19	39369195
Bipolar disorder	X2515.14	GFRA2	8	21547910
Schizophrenia	X2579.17	MMP9	20	44637547
Schizophrenia	X4534.10	PRSS22	16	2902731
Anorexia nervosa	X5798.3	BID	22	18216904
Schizophrenia	X5225.50	CSNK2A1	20	453142
Schizophrenia	X5225.50	CSNK2B	6	31633004
Schizophrenia	X5262.57	BCAR3	1	94027298
Attention deficit hyperactivity disorder	X4249.64	NME2	17	49242796
Schizophrenia	X3643.90	SLITRK1	13	84451340
Post-traumatic stress disorder	X4237.70	LCMT1	16	25123052
Bipolar disorder	X3034.1	GFAP	17	42980527
Major depressive disorder	X3890.8	LDHB	12	21788276
Bipolar disorder	X10351.51	IRF1	5	131776132
Schizophrenia	X3448.13	INSR	19	7112266
Bipolar disorder	X4903.72	PPP3CA	4	101944566
Bipolar disorder	X4903.72	PPP3R1	2	68405989
Attention deficit hyperactivity disorder	X3473.78	MPL	1	43803489
Schizophrenia	X3028.36	CCL23	17	34340096

Schizophrenia	X10372.18	STAT6	12	57489191
Post-traumatic stress disorder	X13113.7	SPP1	4	88896819
Schizophrenia	X2501.51	CDH1	16	68771195
Bipolar disorder	X3060.43	C9	5	39284242
Schizophrenia	X7660.21	TPM4	19	16177831
Schizophrenia	X3009.3	TGFBR3	1	92145900
Bipolar disorder	X2418.55	APOE	19	45409048
Major depressive disorder	X4978.54	DBNL	7	44084239
Attention deficit hyperactivity disorder	X3343.1	ACY1	3	52017356
Anorexia nervosa	X11105.171	ENO1	1	8921059
Bipolar disorder	X5451.1	ALCAM	3	105085753
Schizophrenia	X2585.2	PRL	6	22287473
Major depressive disorder	X3299.29	CNTN5	11	98891679
Anorexia nervosa	X4557.61	KIRREL3	11	126293253
Post-traumatic stress disorder	X13093.6	SECTM1	17	80278900
Schizophrenia	X8484.24	LEP	7	127881331
Post-traumatic stress disorder	X2602.2	ANGPT2	8	6357153
Anorexia nervosa	X5264.65	CALR	19	13049392
Schizophrenia	X5111.15	NRXN3	14	78636716
Attention deficit hyperactivity disorder	X4703.87	LTA	6	31539831
Bipolar disorder	X2620.4	IL6ST	5	55230923
Attention deficit hyperactivity disorder	X5482.61	RBP4	10	95351444
Schizophrenia	X4355.13	DAPK2	15	64199235
Anorexia nervosa	X5480.49	CCL5	17	34198495
Anorexia nervosa	X3806.55	EPHA5	4	66185281
Schizophrenia	X4249.64	NME2	17	49242796
Post-traumatic stress disorder	X4187.49	PGD	1	10458649
Anorexia nervosa	X2752.62	GDF5	20	34021145
Anorexia nervosa	X4930.21	STC1	8	23699442
Post-traumatic stress disorder	X2654.19	TNFRSF1A	12	6437923
Major depressive disorder	X7625.27	YWHAQ	2	9724096
Post-traumatic stress disorder	X5108.72	NOTCH3	19	15269849
Attention deficit hyperactivity disorder	X5358.3	OMD	9	95174662
Major depressive disorder	X3450.4	KLK6	19	51461887
Schizophrenia	X4957.1	RPSA	3	39448207
Schizophrenia	X2961.1	PROC	2	128176003
Post-traumatic stress disorder	X3877.67	CAMKK1	17	3763609
Major depressive disorder	X3643.90	SLITRK1	13	84451340
Bipolar disorder	X5934.1	FTH1	11	61727190
Bipolar disorder	X5934.1	FTL	19	49468566
Post-traumatic stress disorder	X5061.27	ICOSLG	21	45635265
Attention deficit hyperactivity disorder	X4829.43	SFN	1	27189640
Post-traumatic stress disorder	X3298.52	CNTN4	3	2140497
Major depressive disorder	X5260.80	TYK2	19	10461209
Schizophrenia	X8446.4	ADCYAP1	18	904872

Post-traumatic stress disorder	X3448.13	INSR	19	7112266
Major depressive disorder	X4557.61	KIRREL3	11	126293253
Attention deficit hyperactivity disorder	X9182.3	LRP1	12	57522266
Post-traumatic stress disorder	X5114.65	PRLR	5	35048861
Schizophrenia	X3344.60	SERPINC1	1	173872938
Attention deficit hyperactivity disorder	X14124.6	EFNA2	19	1285872
Attention deficit hyperactivity disorder	X5440.26	TNNI2	11	1860211
Major depressive disorder	X3397.7	PTPN11	12	112856155
Bipolar disorder	X3902.21	SKP1	5	133484626
Schizophrenia	X4272.46	GPI	19	34850385
Major depressive disorder	X2849.49	AIF1	6	31582994
Attention deficit hyperactivity disorder	X3488.64	CAT	11	34460481
Post-traumatic stress disorder	X2768.56	HPX	11	6452279
Attention deficit hyperactivity disorder	X2480.58	TIMP3	22	33197691
Bipolar disorder	X8476.11	CHGA	14	93389495
Schizophrenia	X2686.67	IGFBP6	12	53491220
Bipolar disorder	X2744.57	IGHG1	14	106202680
Bipolar disorder	X2744.57	IGHG2	14	106105896
Bipolar disorder	X2744.57	IGHG3	14	106230840
Bipolar disorder	X2744.57	IGHG4	14	106086843
Bipolar disorder	X2744.57	IGHG1	14	106202680
Bipolar disorder	X2744.57	IGLC6	22	23261707
Schizophrenia	X2642.4	PAFAH1B2	11	117015000
Anorexia nervosa	X4866.59	NTRK2	9	87283290
Schizophrenia	X4232.19	IGF1R	15	99191768
Post-traumatic stress disorder	X4306.4	TKT	3	53258728
Major depressive disorder	X2637.77	MRC1	10	18098352
Major depressive disorder	X3028.36	CCL23	17	34340096
Major depressive disorder	X3592.4	CAMK1	3	9799031
Bipolar disorder	X4923.79	AMH	19	2249308
Schizophrenia	X4721.54	TFF3	21	43731777
Attention deficit hyperactivity disorder	X5105.2	RTN4R	22	20228938
Bipolar disorder	X3143.3	CD4	12	6896024
Major depressive disorder	X2970.60	AREG	4	75310853
Attention deficit hyperactivity disorder	X3890.8	LDHB	12	21788276
Post-traumatic stress disorder	X2985.35	CXCL1	4	74735110
Major depressive disorder	X4718.5	PPIB	15	64447939
Anorexia nervosa	X3457.57	POSTN	13	38136720
Schizophrenia	X9202.309	ATP5PO	21	35275757
Schizophrenia	X4568.17	SLITRK5	13	88323626
Attention deficit hyperactivity disorder	X4883.56	INS	11	2181009
Post-traumatic stress disorder	X8464.31	RSPO4	20	939095
Attention deficit hyperactivity disorder	X2693.20	OSM	22	30658818
Bipolar disorder	X2683.1	C3	19	6677715
Anorexia nervosa	X3381.24	LYN	8	56792394

Bipolar disorder	X5476.66	PRKCG	19	54382444
Anorexia nervosa	X2997.8	JAM2	21	27011570
Attention deficit hyperactivity disorder	X2212.69	PLAT	8	42032236
Attention deficit hyperactivity disorder	X3859.50	PSMA1	11	14526420
Schizophrenia	X5858.6	YWHAZ	8	101928751
Major depressive disorder	X3473.78	MPL	1	43803489
Attention deficit hyperactivity disorder	X2848.2	WIF1	12	65444406
Anorexia nervosa	X5068.54	CRTAM	11	122709208
Bipolar disorder	X3896.5	PGAM1	10	99185948
Schizophrenia	X5532.53	FGFR1	8	38257733
Anorexia nervosa	X4905.63	COTL1	16	84599202
Post-traumatic stress disorder	X11071.1	IL5	5	131877137
Major depressive disorder	X2441.2	FGF10	5	44300349
Schizophrenia	X3343.1	ACY1	3	52017356
Schizophrenia	X5316.54	F2	11	46740746
Anorexia nervosa	X8476.11	CHGA	14	93389495
Bipolar disorder	X3727.35	PYY	17	42030101
Post-traumatic stress disorder	X8446.4	ADCYAP1	18	904872
Bipolar disorder	X5487.7	SLAMF7	1	160708847
Schizophrenia	X2704.74	TNFRSF13]	17	16833130
Major depressive disorder	X8463.2	SOD3	4	24791534
Schizophrenia	X13133.73	LTBP4	19	41098789
Bipolar disorder	X2755.8	C3	19	6677715
Anorexia nervosa	X5494.52	SNRPF	12	96252730
Bipolar disorder	X4544.4	PPBP	4	74852156
Attention deficit hyperactivity disorder	X5102.55	MICB	6	31462658
Schizophrenia	X5092.51	JAG1	20	10618332
Anorexia nervosa	X4811.33	ITIH4	3	52846978
Bipolar disorder	X2665.26	TNFRSF17	16	12059067
Bipolar disorder	X4866.59	NTRK2	9	87283290
Major depressive disorder	X2790.54	PPBP	4	74852156
Bipolar disorder	X4878.3	F10	13	113777113
Schizophrenia	X5019.16	UCHL1	4	41258430
Schizophrenia	X3535.84	DKK1	10	54074041
Schizophrenia	X4301.58	TK1	17	76170172
Major depressive disorder	X5798.3	BID	22	18216904
Schizophrenia	X5061.27	ICOSLG	21	45635265
Major depressive disorder	X14115.34	ADM	11	10326620
Major depressive disorder	X9211.19	SERPINF1	17	1665323
Bipolar disorder	X2877.3	UBE2I	16	1358881
Anorexia nervosa	X13123.3	FLRT3	20	14303631
Anorexia nervosa	X3516.60	CXCL12	10	44865613
Bipolar disorder	X5275.28	VAV1	19	6772719
Anorexia nervosa	X5456.59	CNDP1	18	72201735
Major depressive disorder	X4127.75	C6	5	41142218

Attention deficit hyperactivity disorder	X9178.30	NRG1	8	31496738
Major depressive disorder	X3200.49	KLK13	19	51558883
Anorexia nervosa	X4978.54	DBNL	7	44084239
Schizophrenia	X5358.3	OMD	9	95174662
Anorexia nervosa	X4301.58	TK1	17	76170172
Anorexia nervosa	X3488.64	CAT	11	34460481
Post-traumatic stress disorder	X3186.2	C2	6	31865562
Schizophrenia	X4840.73	CSF3	17	38171614
Post-traumatic stress disorder	X5102.55	MICB	6	31462658
Bipolar disorder	X5404.53	TNFRSF21	6	47199268
Anorexia nervosa	X5532.53	FGFR1	8	38257733
Post-traumatic stress disorder	X14123.34	VSIR	10	73507313
Major depressive disorder	X8446.4	ADCYAP1	18	904872
Schizophrenia	X2753.2	C1QA	1	22961570
Schizophrenia	X2753.2	C1QB	1	22979255
Schizophrenia	X2753.2	C1QC	1	22969507
Schizophrenia	X2819.23	CDH5	16	66400525
Attention deficit hyperactivity disorder	X5463.22	GAS1	9	89559277
Attention deficit hyperactivity disorder	X3305.6	DLL4	15	41221538
Post-traumatic stress disorder	X3042.7	MB	22	36002811
Major depressive disorder	X3535.84	DKK1	10	54074041
Bipolar disorder	X3847.56	ETHE1	19	44010871
Bipolar disorder	X5065.8	CD83	6	14117487
Attention deficit hyperactivity disorder	X4832.75	TNFRSF10A	8	23047965
Major depressive disorder	X3827.22	PAK6	15	40509629
Attention deficit hyperactivity disorder	X9171.11	CSRP3	11	19203577
Bipolar disorder	X4588.1	PPY	17	42018172
Anorexia nervosa	X4832.75	TNFRSF10A	8	23047965
Attention deficit hyperactivity disorder	X2692.74	PLA2G2A	1	20301924
Schizophrenia	X5231.79	PCSK9	1	55505120
Attention deficit hyperactivity disorder	X2937.10	APOE	19	45409048
Attention deficit hyperactivity disorder	X4436.1	ENTPD3	3	40428675
Attention deficit hyperactivity disorder	X5464.52	GRB2	17	73314157
Bipolar disorder	X3041.55	MRC2	17	60705031
Schizophrenia	X2790.54	PPBP	4	74852156
Post-traumatic stress disorder	X2823.7	COMMD7	20	31290501
Schizophrenia	X3845.51	DYNLRB1	20	33104200
Bipolar disorder	X4983.6	ERP29	12	112451152
Schizophrenia	X4557.61	KIRREL3	11	126293253
Anorexia nervosa	X4913.78	CCL16	17	34303529
Bipolar disorder	X5807.77	CD70	19	6583194
Post-traumatic stress disorder	X5939.42	TNFSF12	17	7451825
Schizophrenia	X2212.69	PLAT	8	42032236
Anorexia nervosa	X2644.11	PRKCA	17	64298731
Post-traumatic stress disorder	X2949.6	PLA2G10	16	14766405

Anorexia nervosa	X3046.31	RETN	19	7733935
Anorexia nervosa	X2578.67	CCL2	17	32582293
Schizophrenia	X4563.61	PLCG1	20	39765600
Major depressive disorder	X9180.6	IFNGR2	21	34775719
Major depressive disorder	X2943.5	CYP3A4	7	99354583
Attention deficit hyperactivity disorder	X5879.51	DCTN2	12	57923416
Schizophrenia	X3868.8	SGTA	19	2754713
Bipolar disorder	X14124.6	EFNA2	19	1285872
Post-traumatic stress disorder	X4272.46	GPI	19	34850385
Attention deficit hyperactivity disorder	X4141.79	CXCL10	4	76942271
Attention deficit hyperactivity disorder	X5255.22	PDE4D	5	58264865
Schizophrenia	X3685.53	MFRP	11	119209652
Schizophrenia	X4718.5	PPIB	15	64447939
Major depressive disorder	X5065.8	CD83	6	14117487
Anorexia nervosa	X2602.2	ANGPT2	8	6357153
Anorexia nervosa	X2711.6	CNTFR	9	34551430
Bipolar disorder	X3535.84	DKK1	10	54074041
Attention deficit hyperactivity disorder	X4992.49	GRN	17	42422614
Attention deficit hyperactivity disorder	X5115.31	RELT	11	73087444
Post-traumatic stress disorder	X2514.65	EFNB3	17	7608520
Attention deficit hyperactivity disorder	X5077.28	EPHB2	1	23037332
Bipolar disorder	X3419.49	CAMK2D	4	114339210
Schizophrenia	X5131.15	TNFRSF19	13	24144509
Major depressive disorder	X3504.58	HAMP	19	35771619
Bipolar disorder	X4534.10	PRSS22	16	2902731
Anorexia nervosa	X3294.55	CFC1	2	131349738
Major depressive disorder	X2973.15	CD36	7	79998891
Bipolar disorder	X3037.62	IL1B	2	113587328
Schizophrenia	X4883.56	INS	11	2181009
Bipolar disorder	X3030.3	CLEC4M	19	7828096
Schizophrenia	X5939.42	TNFSF12	17	7451825
Anorexia nervosa	X3038.9	CXCL11	4	76954835
Anorexia nervosa	X4355.13	DAPK2	15	64199235
Bipolar disorder	X8446.4	ADCYAP1	18	904872
Schizophrenia	X5070.76	TNFRSF6B	20	62328005
Anorexia nervosa	X2182.54	C4A	6	31949834
Anorexia nervosa	X2182.54	C4B	6	31982572
Schizophrenia	X3365.7	DKK4	8	42231581
Post-traumatic stress disorder	X5246.64	PDE2A	11	72287185
Anorexia nervosa	X5356.2	MIF	22	24236570
Attention deficit hyperactivity disorder	X3607.71	DKK3	11	11977754
Post-traumatic stress disorder	X5013.2	CLIC1	6	31698358
Anorexia nervosa	X2658.27	NTRK3	15	88402982
Schizophrenia	X9216.100	PLXNB2	22	50713408
Anorexia nervosa	X4250.23	NSFL1C	20	1422807

Attention deficit hyperactivity disorder	X2579.17	MMP9	20	44637547
Attention deficit hyperactivity disorder	X3325.2	MATN2	8	98881068
Anorexia nervosa	X13109.82	NEGR1	1	71861626
Attention deficit hyperactivity disorder	X3038.9	CXCL11	4	76954835
Post-traumatic stress disorder	X4397.26	IFNL2	19	39759036
Attention deficit hyperactivity disorder	X4220.39	FER	5	108083542
Schizophrenia	X4141.79	CXCL10	4	76942271
Attention deficit hyperactivity disorder	X3299.29	CNTN5	11	98891679
Bipolar disorder	X5246.64	PDE2A	11	72287185
Post-traumatic stress disorder	X3440.7	GZMA	5	54398474
Post-traumatic stress disorder	X5384.67	BRF1	14	105675623
Schizophrenia	X2837.3	MET	7	116312250
Post-traumatic stress disorder	X9207.60	CRYZL1	21	34961647
Post-traumatic stress disorder	X2967.8	VCAM1	1	101185298
Bipolar disorder	X2790.54	PPBP	4	74852156
Bipolar disorder	X11089.7	IGHA2	14	106053226
Bipolar disorder	X11089.7	IGHA1	14	106170332
Schizophrenia	X5463.22	GAS1	9	89559277
Major depressive disorder	X4355.13	DAPK2	15	64199235
Anorexia nervosa	X3859.50	PSMA1	11	14526420
Schizophrenia	X2647.66	GDI2	10	5807186
Major depressive disorder	X3220.40	RET	10	43572512
Bipolar disorder	X5412.53	CD27	12	6554121
Post-traumatic stress disorder	X14124.6	EFNA2	19	1285872
Schizophrenia	X3299.29	CNTN5	11	98891679
Post-traumatic stress disorder	X3902.21	SKP1	5	133484626
Schizophrenia	X2811.27	ANGPT1	8	108261710
Schizophrenia	X5482.61	RBP4	10	95351444
Major depressive disorder	X5114.65	PRLR	5	35048861
Anorexia nervosa	X4859.6	BMPR1A	10	88516358
Post-traumatic stress disorder	X10990.21	LRRK2	12	40590546
Schizophrenia	X3005.5	PTPN1	20	49126858
Post-traumatic stress disorder	X3795.6	ADAM9	8	38854273
Post-traumatic stress disorder	X2585.2	PRL	6	22287473
Bipolar disorder	X3738.54	CSF1	1	110452864
Attention deficit hyperactivity disorder	X2816.50	BCAM	19	45312328
Anorexia nervosa	X3845.51	DYNLRB1	20	33104200
Attention deficit hyperactivity disorder	X4129.72	CFB	6	31913427
Attention deficit hyperactivity disorder	X13117.232	CHKB	22	51017388
Bipolar disorder	X3351.1	CAMK2B	7	44249618
Attention deficit hyperactivity disorder	X2182.54	C4A	6	31949834
Attention deficit hyperactivity disorder	X2182.54	C4B	6	31982572
Bipolar disorder	X5019.16	UCHL1	4	41258430
Post-traumatic stress disorder	X3506.49	LTA	6	31539831
Post-traumatic stress disorder	X3506.49	LTB	6	31548302

Major depressive disorder	X4141.79	CXCL10	4	76942271
Bipolar disorder	X5867.60	ARG1	6	131791972
Bipolar disorder	X14132.21	HHLA2	3	108015376
Schizophrenia	X3025.50	FGF2	4	123747863
Schizophrenia	X3839.60	AIP	11	67235645
Post-traumatic stress disorder	X4923.79	AMH	19	2249308
Bipolar disorder	X13133.73	LTBP4	19	41098789
Major depressive disorder	X5345.51	CKAP2	13	53029564
Attention deficit hyperactivity disorder	X4272.46	GPI	19	34850385
Anorexia nervosa	X5354.11	KRT18	12	53342655
Schizophrenia	X2514.65	EFNB3	17	7608520
Major depressive disorder	X3766.51	STX1A	7	73113536
Schizophrenia	X4276.10	PEBP1	12	118573929
Attention deficit hyperactivity disorder	X4923.79	AMH	19	2249308
Anorexia nervosa	X14121.24	TNFRSF10]	8	22993101
Major depressive disorder	X3730.81	TNFRSF4	1	1146706
Bipolar disorder	X3905.62	UBE2N	12	93799449
Schizophrenia	X4963.19	ARPP19	15	52839242
Major depressive disorder	X4496.60	MMP12	11	102733467
Anorexia nervosa	X3506.49	LTA	6	31539831
Anorexia nervosa	X3506.49	LTB	6	31548302
Attention deficit hyperactivity disorder	X13131.5	HK1	10	71029740
Schizophrenia	X3890.8	LDHB	12	21788276
Attention deficit hyperactivity disorder	X3055.54	IL4R	16	27324989
Major depressive disorder	X2823.7	COMMD7	20	31290501
Bipolar disorder	X3448.13	INSR	19	7112266
Major depressive disorder	X4931.59	F3	1	94994729
Schizophrenia	X6641.60	UBB	17	16284112
Bipolar disorder	X5888.29	EIF5A	17	7210318
Schizophrenia	X3480.7	DUSP3	17	41843493
Schizophrenia	X3708.62	A2M	12	9220260
Schizophrenia	X13095.51	REG1A	2	79347488
Anorexia nervosa	X3905.62	UBE2N	12	93799449
Anorexia nervosa	X4271.75	PFDN5	12	53689075
Bipolar disorder	X5077.28	EPHB2	1	23037332
Schizophrenia	X5909.51	NME1	17	49230920
Major depressive disorder	X2615.60	EFNA5	5	106712595
Schizophrenia	X5140.56	UNC5D	8	35092993
Schizophrenia	X4551.72	ADGRG5	16	57576555
Schizophrenia	X5107.7	NOTCH1	9	139388885
Bipolar disorder	X3685.53	MFRP	11	119209652
Bipolar disorder	X2977.7	EDAR	2	109510927
Major depressive disorder	X5262.57	BCAR3	1	94027298
Major depressive disorder	X3506.49	LTA	6	31539831
Major depressive disorder	X3506.49	LTB	6	31548302

Attention deficit hyperactivity disorder	X2278.61	TIMP2	17	76849059
Attention deficit hyperactivity disorder	X2666.53	DCN	12	91534261
Anorexia nervosa	X2972.57	BMP7	20	55743809
Major depressive disorder	X5225.50	CSNK2A1	20	453142
Major depressive disorder	X5225.50	CSNK2B	6	31633004
Schizophrenia	X2692.74	PLA2G2A	1	20301924
Anorexia nervosa	X3450.4	KLK6	19	51461887
Major depressive disorder	X13103.125	CSH1	17	61972269
Major depressive disorder	X13103.125	CSH2	17	61949372
Anorexia nervosa	X4498.62	NCAM1	11	112831969
Anorexia nervosa	X4874.3	ANG	14	21152336
Schizophrenia	X5486.73	ICAM2	17	62079954
Major depressive disorder	X2182.54	C4A	6	31949834
Major depressive disorder	X2182.54	C4B	6	31982572
Major depressive disorder	X4883.56	INS	11	2181009
Major depressive disorder	X13123.3	FLRT3	20	14303631
Anorexia nervosa	X2278.61	TIMP2	17	76849059
Major depressive disorder	X3432.21	EPHA3	3	89156771
Bipolar disorder	X3766.51	STX1A	7	73113536
Schizophrenia	X3326.58	CADM1	11	115039938
Attention deficit hyperactivity disorder	X3730.81	TNFRSF4	1	1146706
Attention deficit hyperactivity disorder	X3381.24	LYN	8	56792394
Major depressive disorder	X2755.8	C3	19	6677715
Attention deficit hyperactivity disorder	X4157.2	F2	11	46740746
Attention deficit hyperactivity disorder	X4568.17	SLITRK5	13	88323626
Anorexia nervosa	X5076.53	EPHA10	1	38179552
Schizophrenia	X9169.14	SUMO3	21	46225532
Post-traumatic stress disorder	X5464.52	GRB2	17	73314157
Schizophrenia	X5384.67	BRF1	14	105675623
Schizophrenia	X3806.55	EPHA5	4	66185281
Schizophrenia	X3418.12	CAMK1D	10	12391546
Attention deficit hyperactivity disorder	X3518.54	CPB2	13	46627321
Schizophrenia	X4969.2	CA1	8	86239837
Major depressive disorder	X14121.24	TNFRSF10I	8	22993101
Major depressive disorder	X4544.4	PPBP	4	74852156
Post-traumatic stress disorder	X2946.52	CFD	19	859453
Schizophrenia	X13109.82	NEGR1	1	71861626
Schizophrenia	X10339.48	ENO2	12	7022909
Schizophrenia	X2609.59	CST3	20	23607343
Attention deficit hyperactivity disorder	X3480.7	DUSP3	17	41843493
Major depressive disorder	X3847.56	ETHE1	19	44010871
Major depressive disorder	X2819.23	CDH5	16	66400525
Attention deficit hyperactivity disorder	X2790.54	PPBP	4	74852156
Post-traumatic stress disorder	X9202.309	ATP5PO	21	35275757
Bipolar disorder	X5457.5	COLEC12	18	316737

Post-traumatic stress disorder	X2877.3	UBE2I	16	1358881
Bipolar disorder	X2602.2	ANGPT2	8	6357153
Schizophrenia	X4924.32	MMP1	11	102660132
Anorexia nervosa	X4423.77	BCL2L1	20	30252255
Post-traumatic stress disorder	X5275.28	VAV1	19	6772719
Attention deficit hyperactivity disorder	X3766.51	STX1A	7	73113536
Schizophrenia	X3516.60	CXCL12	10	44865613
Anorexia nervosa	X3298.52	CNTN4	3	2140497
Attention deficit hyperactivity disorder	X5021.13	PPA1	10	71962591
Anorexia nervosa	X14157.21	YWHAE	17	1247569
Attention deficit hyperactivity disorder	X3078.1	PGF	14	75408537
Bipolar disorder	X4563.61	PLCG1	20	39765600
Major depressive disorder	X4930.21	STC1	8	23699442
Major depressive disorder	X4397.26	IFNL2	19	39759036
Major depressive disorder	X2950.57	IGFBP4	17	38599702
Schizophrenia	X4140.3	IL7	8	79587978
Anorexia nervosa	X2946.52	CFD	19	859453
Schizophrenia	X3305.6	DLL4	15	41221538
Anorexia nervosa	X3868.8	SGTA	19	2754713
Bipolar disorder	X13103.125	CSH1	17	61972269
Bipolar disorder	X13103.125	CSH2	17	61949372
Major depressive disorder	X3317.33	HTRA2	2	74756723
Anorexia nervosa	X3616.3	GNS	12	65107225
Schizophrenia	X5934.1	FTH1	11	61727190
Schizophrenia	X5934.1	FTL	19	49468566
Post-traumatic stress disorder	X3730.81	TNFRSF4	1	1146706
Schizophrenia	X3389.7	SERPINA5	14	95027779
Attention deficit hyperactivity disorder	X4978.54	DBNL	7	44084239
Major depressive disorder	X3896.5	PGAM1	10	99185948
Attention deficit hyperactivity disorder	X10363.13	SMAD3	15	67356101
Schizophrenia	X4127.75	C6	5	41142218
Bipolar disorder	X3504.58	HAMP	19	35771619
Attention deficit hyperactivity disorder	X4124.24	HSPA1A	6	31783320
Major depressive disorder	X5077.28	EPHB2	1	23037332
Major depressive disorder	X4124.24	HSPA1A	6	31783320
Bipolar disorder	X3815.14	IL12RB2	1	67773047
Bipolar disorder	X4496.60	MMP12	11	102733467
Bipolar disorder	X5092.51	JAG1	20	10618332
Schizophrenia	X5470.69	MED1	17	37560538
Bipolar disorder	X3331.8	RGMB	5	98104354
Bipolar disorder	X4960.72	ANXA1	9	75766781
Anorexia nervosa	X4534.10	PRSS22	16	2902731
Anorexia nervosa	X2609.59	CST3	20	23607343
Post-traumatic stress disorder	X4840.73	CSF3	17	38171614
Post-traumatic stress disorder	X3868.8	SGTA	19	2754713

Major depressive disorder	X5007.1	MAPK14	6	35995454
Schizophrenia	X13123.3	FLRT3	20	14303631
Post-traumatic stress disorder	X5412.53	CD27	12	6554121
Bipolar disorder	X3206.4	LYVE1	11	10578513
Bipolar disorder	X2754.50	C3	19	6677715
Anorexia nervosa	X3170.6	METAP2	12	95867296
Major depressive disorder	X4122.12	DDR1	6	30844198
Schizophrenia	X3280.49	ACAN	15	89346667
Schizophrenia	X9207.60	CRYZL1	21	34961647
Post-traumatic stress disorder	X3212.30	ASAH2	10	51942538
Major depressive disorder	X8468.19	KLK3	19	51358171
Schizophrenia	X4413.3	SLPI	20	43880880
Post-traumatic stress disorder	X3651.50	KDR	4	55944648
Bipolar disorder	X13117.232	CHKB	22	51017388
Schizophrenia	X5861.78	HAAO	2	42994229
Anorexia nervosa	X3026.5	CAST	5	95860971
Bipolar disorder	X3616.3	GNS	12	65107225
Schizophrenia	X5879.51	DCTN2	12	57923416
Attention deficit hyperactivity disorder	X2823.7	COMMD7	20	31290501
Anorexia nervosa	X5464.52	GRB2	17	73314157
Attention deficit hyperactivity disorder	X5062.60	CD226	18	67498394
Major depressive disorder	X5115.31	RELT	11	73087444
Schizophrenia	X5114.65	PRLR	5	35048861
Bipolar disorder	X3646.7	TEC	4	48137800
Major depressive disorder	X2827.23	CX3CL1	16	57406389
Attention deficit hyperactivity disorder	X5798.3	BID	22	18216904
Anorexia nervosa	X2697.7	PF4	4	74846528
Major depressive disorder	X3322.52	LRIG3	12	59265931
Major depressive disorder	X4271.75	PFDN5	12	53689075
Attention deficit hyperactivity disorder	X14139.16	NRG4	15	76228310
Attention deficit hyperactivity disorder	X9202.309	ATP5PO	21	35275757
Bipolar disorder	X14147.50	IFNG	12	68548548
Schizophrenia	X2443.10	FGF8	10	103529866
Schizophrenia	X3331.8	RGMB	5	98104354
Schizophrenia	X3872.2	TPT1	13	45907606
Attention deficit hyperactivity disorder	X2728.62	LAMA1	18	6941741
Attention deficit hyperactivity disorder	X2728.62	LAMB1	7	107564244
Attention deficit hyperactivity disorder	X2728.62	LAMC1	1	182992555
Major depressive disorder	X2474.54	APCS	1	159557616
Post-traumatic stress disorder	X5007.1	MAPK14	6	35995454
Major depressive disorder	X3294.55	CFC1	2	131349738
Anorexia nervosa	X2770.51	CCL1	17	32687347
Anorexia nervosa	X3535.84	DKK1	10	54074041
Schizophrenia	X13131.5	HK1	10	71029740
Bipolar disorder	X3799.11	CA3	8	86285665

Attention deficit hyperactivity disorder	X6653.58	CD47	3	107761938
Post-traumatic stress disorder	X5140.56	UNC5D	8	35092993
Attention deficit hyperactivity disorder	X3825.18	MAPK8	10	49514682
Schizophrenia	X4544.4	PPBP	4	74852156
Major depressive disorder	X5451.1	ALCAM	3	105085753
Bipolar disorder	X8464.31	RSPO4	20	939095
Attention deficit hyperactivity disorder	X5346.24	CPNE1	20	34213953
Bipolar disorder	X6641.60	UBB	17	16284112
Bipolar disorder	X5464.52	GRB2	17	73314157
Schizophrenia	X4992.49	GRN	17	42422614
Attention deficit hyperactivity disorder	X2580.83	MPO	17	56347216
Schizophrenia	X3143.3	CD4	12	6896024
Bipolar disorder	X2278.61	TIMP2	17	76849059
Schizophrenia	X9190.7	CD63	12	56119107
Schizophrenia	X2755.8	C3	19	6677715
Attention deficit hyperactivity disorder	X3026.5	CAST	5	95860971
Anorexia nervosa	X2969.11	ACVRL1	12	52300692
Major depressive disorder	X9185.15	TFF1	21	43782391
Bipolar disorder	X5858.6	YWHAZ	8	101928751
Schizophrenia	X4309.59	TPI1	12	6976283
Bipolar disorder	X3447.64	CXCL8	4	74606236
Attention deficit hyperactivity disorder	X4905.63	COTL1	16	84599202
Schizophrenia	X5021.13	PPA1	10	71962591
Schizophrenia	X3506.49	LTA	6	31539831
Schizophrenia	X3506.49	LTB	6	31548302
Post-traumatic stress disorder	X3766.51	STX1A	7	73113536
Anorexia nervosa	X2585.2	PRL	6	22287473
Schizophrenia	X3032.11	CGA	6	87795216
Schizophrenia	X3032.11	FSHB	11	30252561
Schizophrenia	X5028.59	CD163	12	7623407
Major depressive disorder	X5508.62	CTSD	11	1773982
Bipolar disorder	X4397.26	IFNL2	19	39759036
Major depressive disorder	X4282.3	RAN	12	131356582
Attention deficit hyperactivity disorder	X5070.76	TNFRSF6B	20	62328005
Attention deficit hyperactivity disorder	X2950.57	IGFBP4	17	38599702
Attention deficit hyperactivity disorder	X3186.2	C2	6	31865562
Schizophrenia	X4834.61	EPHA2	1	16450832
Bipolar disorder	X3821.28	MAPKAPK	12	112280032
Bipolar disorder	X3026.5	CAST	5	95860971
Anorexia nervosa	X3646.7	TEC	4	48137800
Major depressive disorder	X2949.6	PLA2G10	16	14766405
Attention deficit hyperactivity disorder	X5007.1	MAPK14	6	35995454
Major depressive disorder	X10344.334	IL10RA	11	117857085
Anorexia nervosa	X3343.1	ACY1	3	52017356
Attention deficit hyperactivity disorder	X5125.6	SIGLEC14	19	52142731

Schizophrenia	X3179.51	CTSA	20	44518783
Major depressive disorder	X3351.1	CAMK2B	7	44249618
Major depressive disorder	X2658.27	NTRK3	15	88402982
Schizophrenia	X5124.69	ICAM5	19	10400628
Anorexia nervosa	X4153.11	SERPINA3	14	95078721
Schizophrenia	X5412.53	CD27	12	6554121
Anorexia nervosa	X3331.8	RGMB	5	98104354
Post-traumatic stress disorder	X4250.23	NSFL1C	20	1422807
Anorexia nervosa	X5462.62	FCN3	1	27695601
Schizophrenia	X3046.31	RETN	19	7733935
Bipolar disorder	X3466.8	PRKACA	19	14202500
Schizophrenia	X5404.53	TNFRSF21	6	47199268
Bipolar disorder	X2870.29	RAC1	7	6414158
Schizophrenia	X2658.27	NTRK3	15	88402982
Schizophrenia	X2952.75	IGF1	12	102789652
Attention deficit hyperactivity disorder	X4127.75	C6	5	41142218
Post-traumatic stress disorder	X4129.72	CFB	6	31913427
Major depressive disorder	X4840.73	CSF3	17	38171614
Bipolar disorder	X4763.31	AFM	4	74347462
Bipolar disorder	X4188.1	AKR7A2	1	19630459
Post-traumatic stress disorder	X2647.66	GDI2	10	5807186
Schizophrenia	X13122.19	FLRT2	14	85996488
Bipolar disorder	X3708.62	A2M	12	9220260
Major depressive disorder	X13132.14	SEMA5A	5	9035145
Bipolar disorder	X14123.34	VSIR	10	73507313
Attention deficit hyperactivity disorder	X5250.53	IMPDH2	3	49061758
Anorexia nervosa	X3200.49	KLK13	19	51558883
Schizophrenia	X14156.33	YWHAB	20	43514343
Anorexia nervosa	X5440.26	TNNI2	11	1860211
Attention deficit hyperactivity disorder	X4963.19	ARPP19	15	52839242
Attention deficit hyperactivity disorder	X10990.21	LRRK2	12	40590546
Major depressive disorder	X3799.11	CA3	8	86285665
Schizophrenia	X3815.14	IL12RB2	1	67773047
Schizophrenia	X3481.87	XPNPEP1	10	111624524
Attention deficit hyperactivity disorder	X3043.49	SPARC	5	151040657
Major depressive disorder	X3485.28	B2M	15	45003556
Attention deficit hyperactivity disorder	X2611.72	TYRO3	15	41849873
Schizophrenia	X2986.49	CXCL3	4	74902306
Schizophrenia	X2986.49	CXCL2	4	74962757
Post-traumatic stress disorder	X3059.50	TNFSF13B	13	108903588
Major depressive disorder	X3298.52	CNTN4	3	2140497
Major depressive disorder	X3640.14	LRPAP1	4	3505339
Attention deficit hyperactivity disorder	X3506.49	LTA	6	31539831
Attention deficit hyperactivity disorder	X3506.49	LTB	6	31548302
Attention deficit hyperactivity disorder	X2967.8	VCAM1	1	101185298

Attention deficit hyperactivity disorder	X3171.57	APP	21	27252861
Attention deficit hyperactivity disorder	X5476.66	PRKCG	19	54382444
Bipolar disorder	X5225.50	CSNK2A1	20	453142
Bipolar disorder	X5225.50	CSNK2B	6	31633004
Attention deficit hyperactivity disorder	X9196.8	LGALS7	19	39261608
Bipolar disorder	X4482.66	C5	9	123695265
Bipolar disorder	X4482.66	C6	5	41142218
Major depressive disorder	X3905.62	UBE2N	12	93799449
Major depressive disorder	X5092.51	JAG1	20	10618332
Major depressive disorder	X4561.65	BIRC7	20	61867235
Bipolar disorder	X2753.2	C1QA	1	22961570
Bipolar disorder	X2753.2	C1QB	1	22979255
Bipolar disorder	X2753.2	C1QC	1	22969507
Anorexia nervosa	X4314.12	DCTPP1	16	30434936
Anorexia nervosa	X4127.75	C6	5	41142218
Anorexia nervosa	X4890.10	POMC	2	25383722
Bipolar disorder	X2441.2	FGF10	5	44300349
Major depressive disorder	X4811.33	ITIH4	3	52846978
Major depressive disorder	X5354.11	KRT18	12	53342655
Post-traumatic stress disorder	X5810.25	TDGF1	3	46616024
Schizophrenia	X4960.72	ANXA1	9	75766781
Schizophrenia	X3727.35	PYY	17	42030101
Attention deficit hyperactivity disorder	X2997.8	JAM2	21	27011570
Attention deficit hyperactivity disorder	X3298.52	CNTN4	3	2140497
Attention deficit hyperactivity disorder	X3197.70	IDE	10	94211441
Bipolar disorder	X2666.53	DCN	12	91534261
Anorexia nervosa	X14124.6	EFNA2	19	1285872
Schizophrenia	X5085.18	IL20RA	6	137321108
Post-traumatic stress disorder	X2763.66	FGF20	8	16849690
Bipolar disorder	X5532.53	FGFR1	8	38257733
Attention deficit hyperactivity disorder	X5023.23	ADSL	22	40742465
Post-traumatic stress disorder	X5350.14	GPC6	13	93879060
Bipolar disorder	X5264.65	CALR	19	13049392
Major depressive disorder	X3186.2	C2	6	31865562
Major depressive disorder	X4188.1	AKR7A2	1	19630459
Anorexia nervosa	X4487.1	FGF7	15	49715434
Major depressive disorder	X4551.72	ADGRG5	16	57576555
Post-traumatic stress disorder	X4309.59	TPI1	12	6976283
Post-traumatic stress disorder	X2212.69	PLAT	8	42032236
Attention deficit hyperactivity disorder	X3365.7	DKK4	8	42231581
Anorexia nervosa	X9178.30	NRG1	8	31496738
Post-traumatic stress disorder	X3029.52	CD209	19	7804879
Bipolar disorder	X3806.55	EPHA5	4	66185281
Bipolar disorder	X5885.55	EIF4H	7	73588561
Schizophrenia	X3485.28	B2M	15	45003556

Schizophrenia	X2770.51	CCL1	17	32687347
Major depressive disorder	X2609.59	CST3	20	23607343
Anorexia nervosa	X4203.50	CFL1	11	65590493
Bipolar disorder	X3480.7	DUSP3	17	41843493
Major depressive disorder	X10364.6	SMAD2	18	45335328
Bipolar disorder	X3322.52	LRIG3	12	59265931
Major depressive disorder	X4453.83	LRRTM3	10	68685794
Attention deficit hyperactivity disorder	X4930.21	STC1	8	23699442
Schizophrenia	X2475.1	KIT	4	55523434
Anorexia nervosa	X14127.240	IFNB1	9	21077103
Post-traumatic stress disorder	X8465.52	CTSH	15	79213400
Schizophrenia	X3024.18	SERPINF2	17	1646130
Bipolar disorder	X4930.21	STC1	8	23699442
Bipolar disorder	X10339.48	ENO2	12	7022909
Bipolar disorder	X3855.56	PRDX1	1	45976586
Schizophrenia	X5250.53	IMPDH2	3	49061758
Major depressive disorder	X9171.11	CSRP3	11	19203577
Bipolar disorder	X3367.8	FETUB	3	186353758
Bipolar disorder	X3485.28	B2M	15	45003556
Major depressive disorder	X3616.3	GNS	12	65107225
Post-traumatic stress disorder	X5131.15	TNFRSF19	13	24144509
Major depressive disorder	X3206.4	LYVE1	11	10578513
Bipolar disorder	X10363.13	SMAD3	15	67356101
Schizophrenia	X13119.26	SERPINA1(	14	94746797
Major depressive disorder	X3152.57	TNFRSF1B	1	12227048
Attention deficit hyperactivity disorder	X2770.51	CCL1	17	32687347
Attention deficit hyperactivity disorder	X2949.6	PLA2G10	16	14766405
Major depressive disorder	X3030.3	CLEC4M	19	7828096
Bipolar disorder	X5230.99	HMGCR	5	74632154
Anorexia nervosa	X4542.24	CLU	8	27454434
Attention deficit hyperactivity disorder	X5909.51	NME1	17	49230920
Major depressive disorder	X3170.6	METAP2	12	95867296
Schizophrenia	X2768.56	HPX	11	6452279
Anorexia nervosa	X5846.24	NOG	17	54671060
Schizophrenia	X3616.3	GNS	12	65107225
Post-traumatic stress disorder	X2516.57	CCL21	9	34709002
Major depressive disorder	X3866.7	SBDS	7	66452667
Schizophrenia	X5077.28	EPHB2	1	23037332
Bipolar disorder	X2794.60	SOD1	21	33031979
Post-traumatic stress disorder	X2677.1	EGFR	7	55086710
Bipolar disorder	X3518.54	CPB2	13	46627321
Major depressive disorder	X4452.9	LRRTM1	2	80515476
Anorexia nervosa	X5001.6	SCGB2A1	11	61976145
Anorexia nervosa	X4453.83	LRRTM3	10	68685794
Bipolar disorder	X2975.19	CCN2	6	132269316

Attention deficit hyperactivity disorder	X5000.52	LGALS3BP	17	76967320
Attention deficit hyperactivity disorder	X5356.2	MIF	22	24236570
Anorexia nervosa	X7625.27	YWHAQ	2	9724096
Anorexia nervosa	X3708.62	A2M	12	9220260
Post-traumatic stress disorder	X3504.58	HAMP	19	35771619
Schizophrenia	X5508.62	CTSD	11	1773982
Major depressive disorder	X4832.75	TNFRSF10A	8	23047965
Major depressive disorder	X2753.2	C1QA	1	22961570
Major depressive disorder	X2753.2	C1QB	1	22979255
Major depressive disorder	X2753.2	C1QC	1	22969507
Attention deficit hyperactivity disorder	X4965.27	ATP5F1B	12	57031959
Bipolar disorder	X5467.15	HSP90AB1	6	44213903
Bipolar disorder	X2819.23	CDH5	16	66400525
Major depressive disorder	X2578.67	CCL2	17	32582293
Anorexia nervosa	X5115.31	RELT	11	73087444
Attention deficit hyperactivity disorder	X3481.87	XPNPEP1	10	111624524
Anorexia nervosa	X3005.5	PTPN1	20	49126858
Bipolar disorder	X3514.49	PRTN3	19	840999
Schizophrenia	X3855.56	PRDX1	1	45976586
Anorexia nervosa	X13117.232	CHKB	22	51017388
Post-traumatic stress disorder	X2870.29	RAC1	7	6414158
Bipolar disorder	X8459.10	BMP6	6	7726332
Schizophrenia	X3474.19	THBS1	15	39873280
Anorexia nervosa	X4960.72	ANXA1	9	75766781
Attention deficit hyperactivity disorder	X3466.8	PRKACA	19	14202500
Bipolar disorder	X2677.1	EGFR	7	55086710
Post-traumatic stress disorder	X4479.14	SERPING1	11	57364860
Anorexia nervosa	X3640.14	LRPAP1	4	3505339
Attention deficit hyperactivity disorder	X3418.12	CAMK1D	10	12391546
Bipolar disorder	X4474.19	RPS27A	2	55459039
Bipolar disorder	X14121.24	TNFRSF10D	8	22993101
Anorexia nervosa	X4437.56	ENTPD5	14	74424713
Attention deficit hyperactivity disorder	X14114.18	PIANP	12	6802957
Major depressive disorder	X2848.2	WIF1	12	65444406
Attention deficit hyperactivity disorder	X3853.56	MDH1	2	63815743
Schizophrenia	X5464.52	GRB2	17	73314157
Post-traumatic stress disorder	X5030.52	SIRT2	19	39369195
Bipolar disorder	X5124.69	ICAM5	19	10400628
Post-traumatic stress disorder	X4141.79	CXCL10	4	76942271
Bipolar disorder	X2381.52	C5	9	123695265
Bipolar disorder	X10990.21	LRRK2	12	40590546
Anorexia nervosa	X4122.12	DDR1	6	30844198
Bipolar disorder	X2972.57	BMP7	20	55743809
Post-traumatic stress disorder	X2879.9	SERPINA3	14	95078721
Major depressive disorder	X9169.14	SUMO3	21	46225532

Major depressive disorder	X4332.6	CLEC1B	12	10138241
Anorexia nervosa	X4232.19	IGF1R	15	99191768
Schizophrenia	X4397.26	IFNL2	19	39759036
Post-traumatic stress disorder	X2443.10	FGF8	10	103529866
Schizophrenia	X13111.79	BCL6	3	187439165
Bipolar disorder	X3825.18	MAPK8	10	49514682
Schizophrenia	X11105.171	ENO1	1	8921059
Schizophrenia	X2949.6	PLA2G10	16	14766405
Major depressive disorder	X3046.31	RETN	19	7733935
Anorexia nervosa	X4706.17	EPB41	1	29213603
Bipolar disorder	X3607.71	DKK3	11	11977754
Attention deficit hyperactivity disorder	X14127.240	IFNB1	9	21077103
Post-traumatic stress disorder	X3038.9	CXCL11	4	76954835
Major depressive disorder	X2642.4	PAFAH1B2	11	117015000
Bipolar disorder	X4978.54	DBNL	7	44084239
Anorexia nervosa	X8468.19	KLK3	19	51358171
Bipolar disorder	X4859.6	BMPR1A	10	88516358
Anorexia nervosa	X9196.8	LGALS7	19	39261608
Attention deficit hyperactivity disorder	X3810.50	FGR	1	27938575
Major depressive disorder	X5255.22	PDE4D	5	58264865
Bipolar disorder	X4487.1	FGF7	15	49715434
Post-traumatic stress disorder	X10339.48	ENO2	12	7022909
Schizophrenia	X2654.19	TNFRSF1A	12	6437923
Major depressive disorder	X2754.50	C3	19	6677715
Major depressive disorder	X4703.87	LTA	6	31539831
Bipolar disorder	X2697.7	PF4	4	74846528
Attention deficit hyperactivity disorder	X3122.6	DIABLO	12	122692210
Schizophrenia	X8464.31	RSPO4	20	939095
Bipolar disorder	X2889.37	CTF1	16	30907935
Bipolar disorder	X5798.3	BID	22	18216904
Major depressive disorder	X6647.55	UBC	12	125396150
Post-traumatic stress disorder	X2950.57	IGFBP4	17	38599702
Attention deficit hyperactivity disorder	X5139.32	UNC5C	4	96083655
Attention deficit hyperactivity disorder	X5013.2	CLIC1	6	31698358
Attention deficit hyperactivity disorder	X13133.73	LTBP4	19	41098789
Major depressive disorder	X9173.21	PGM1	1	64059082
Bipolar disorder	X3868.8	SGTA	19	2754713
Bipolar disorder	X5475.10	PRKCB	16	23847304
Attention deficit hyperactivity disorder	X4859.6	BMPR1A	10	88516358
Anorexia nervosa	X5114.65	PRLR	5	35048861
Schizophrenia	X2449.1	PLA2G5	1	20354672
Post-traumatic stress disorder	X5339.49	S100A9	1	153330330
Attention deficit hyperactivity disorder	X5116.62	ROBO2	3	75955846
Major depressive disorder	X5008.51	SOD2	6	160090101
Post-traumatic stress disorder	X5001.6	SCGB2A1	11	61976145

Bipolar disorder	X5508.62	CTSD	11	1773982
Attention deficit hyperactivity disorder	X5260.80	TYK2	19	10461209
Anorexia nervosa	X3822.54	MAPKAPK	3	50648951
Schizophrenia	X3473.78	MPL	1	43803489
Anorexia nervosa	X5122.92	SEMA6A	5	115779251
Major depressive disorder	X5271.5	RAC3	17	79989554
Attention deficit hyperactivity disorder	X3450.4	KLK6	19	51461887
Schizophrenia	X5798.3	BID	22	18216904
Bipolar disorder	X5023.23	ADSL	22	40742465
Attention deficit hyperactivity disorder	X4203.50	CFL1	11	65590493
Attention deficit hyperactivity disorder	X5480.49	CCL5	17	34198495
Schizophrenia	X5264.65	CALR	19	13049392
Attention deficit hyperactivity disorder	X4588.1	PPY	17	42018172
Post-traumatic stress disorder	X2731.29	POR	7	75528518
Bipolar disorder	X8480.29	EFEMP1	2	56093102
Major depressive disorder	X3326.58	CADM1	11	115039938
Schizophrenia	X4389.2	DHH	12	49480439
Major depressive disorder	X3197.70	IDE	10	94211441
Schizophrenia	X5451.1	ALCAM	3	105085753
Attention deficit hyperactivity disorder	X3474.19	THBS1	15	39873280
Anorexia nervosa	X5888.29	EIF5A	17	7210318
Bipolar disorder	X4452.9	LRRTM1	2	80515476
Major depressive disorder	X2212.69	PLAT	8	42032236
Attention deficit hyperactivity disorder	X4397.26	IFNL2	19	39759036
Major depressive disorder	X3516.60	CXCL12	10	44865613
Bipolar disorder	X2999.6	LSAMP	3	115521210
Bipolar disorder	X5021.13	PPA1	10	71962591
Major depressive disorder	X2515.14	GFRA2	8	21547910
Major depressive disorder	X2879.9	SERPINA3	14	95078721
Attention deficit hyperactivity disorder	X3285.23	C1R	12	7187513
Attention deficit hyperactivity disorder	X14125.5	APOM	6	31620193
Bipolar disorder	X2704.74	TNFRSF13]	17	16833130
Attention deficit hyperactivity disorder	X2870.29	RAC1	7	6414158
Bipolar disorder	X4140.3	IL7	8	79587978
Post-traumatic stress disorder	X2381.52	C5	9	123695265
Schizophrenia	X3728.52	SCT	11	626309
Attention deficit hyperactivity disorder	X2654.19	TNFRSF1A	12	6437923
Anorexia nervosa	X4546.27	ADGRE2	19	14843204
Schizophrenia	X3186.2	C2	6	31865562
Attention deficit hyperactivity disorder	X14147.50	IFNG	12	68548548
Bipolar disorder	X2811.27	ANGPT1	8	108261710
Post-traumatic stress disorder	X5430.66	SIRPA	20	1874813
Anorexia nervosa	X5852.6	S100A12	1	153346187
Schizophrenia	X5807.77	CD70	19	6583194
Attention deficit hyperactivity disorder	X5114.65	PRLR	5	35048861

Major depressive disorder	X3042.7	MB	22	36002811
Bipolar disorder	X4157.2	F2	11	46740746
Schizophrenia	X2644.11	PRKCA	17	64298731
Schizophrenia	X2611.72	TYRO3	15	41849873
Anorexia nervosa	X11096.57	N6AMT1	21	30244513
Attention deficit hyperactivity disorder	X3822.54	MAPKAPK	3	50648951
Major depressive disorder	X5346.24	CPNE1	20	34213953
Bipolar disorder	X14115.34	ADM	11	10326620
Schizophrenia	X5489.18	STIP1	11	63952744
Schizophrenia	X5023.23	ADSL	22	40742465
Major depressive disorder	X8484.24	LEP	7	127881331
Anorexia nervosa	X4188.1	AKR7A2	1	19630459
Bipolar disorder	X3365.7	DKK4	8	42231581
Schizophrenia	X4158.54	PLAU	10	75668935
Schizophrenia	X2436.49	CXCL16	17	4636828
Major depressive disorder	X2644.11	PRKCA	17	64298731
Bipolar disorder	X5861.78	HAAO	2	42994229
Bipolar disorder	X5918.5	PSME1	14	24605372
Schizophrenia	X3314.74	GFRA1	10	117816436
Schizophrenia	X5888.29	EIF5A	17	7210318
Anorexia nervosa	X3635.76	OCIAD1	4	48807229
Bipolar disorder	X2967.8	VCAM1	1	101185298
Schizophrenia	X2618.10	ERBB4	2	212240442
Attention deficit hyperactivity disorder	X3727.35	PYY	17	42030101
Major depressive disorder	X14124.6	EFNA2	19	1285872
Anorexia nervosa	X10351.51	IRF1	5	131776132
Bipolar disorder	X3314.74	GFRA1	10	117816436
Attention deficit hyperactivity disorder	X2999.6	LSAMP	3	115521210
Bipolar disorder	X5007.1	MAPK14	6	35995454
Major depressive disorder	X13094.75	RSPO3	6	127439816
Anorexia nervosa	X5463.22	GAS1	9	89559277
Attention deficit hyperactivity disorder	X2938.55	APOE	19	45409048
Major depressive disorder	X3518.54	CPB2	13	46627321
Anorexia nervosa	X2753.2	C1QA	1	22961570
Anorexia nervosa	X2753.2	C1QB	1	22979255
Anorexia nervosa	X2753.2	C1QC	1	22969507
Anorexia nervosa	X4389.2	DHH	12	49480439
Post-traumatic stress disorder	X14157.21	YWHAE	17	1247569
Anorexia nervosa	X3419.49	CAMK2D	4	114339210
Anorexia nervosa	X10366.11	PDGFRA	4	55095447
Schizophrenia	X8459.10	BMP6	6	7726332
Anorexia nervosa	X5109.24	NRCAM	7	107788068
Major depressive disorder	X10363.13	SMAD3	15	67356101
Post-traumatic stress disorder	X3845.51	DYNLRB1	20	33104200
Major depressive disorder	X2665.26	TNFRSF17	16	12059067

Bipolar disorder	X3473.78	MPL	1	43803489
Anorexia nervosa	X3234.23	CCDC80	3	112315644
Bipolar disorder	X3057.55	CCN2	6	132269316
Bipolar disorder	X11081.1	GPD1	12	50497765
Attention deficit hyperactivity disorder	X5109.24	NRCAM	7	107788068
Schizophrenia	X3317.33	HTRA2	2	74756723
Attention deficit hyperactivity disorder	X2516.57	CCL21	9	34709002
Major depressive disorder	X2969.11	ACVRL1	12	52300692
Schizophrenia	X3585.54	BSG	19	571277
Attention deficit hyperactivity disorder	X4840.73	CSF3	17	38171614
Bipolar disorder	X5494.52	SNRPF	12	96252730
Major depressive disorder	X3868.8	SGTA	19	2754713
Major depressive disorder	X3844.2	PPIA	7	44836279
Attention deficit hyperactivity disorder	X9216.100	PLXNB2	22	50713408
Major depressive disorder	X5013.2	CLIC1	6	31698358
Bipolar disorder	X4129.72	CFB	6	31913427
Attention deficit hyperactivity disorder	X3391.10	PIK3CG	7	106505723
Schizophrenia	X11081.1	GPD1	12	50497765
Schizophrenia	X5062.60	CD226	18	67498394
Major depressive disorder	X2999.6	LSAMP	3	115521210
Bipolar disorder	X4301.58	TK1	17	76170172
Anorexia nervosa	X5110.84	NRXN1	2	50145641
Attention deficit hyperactivity disorder	X5035.7	TYMS	18	657653
Attention deficit hyperactivity disorder	X9169.14	SUMO3	21	46225532
Schizophrenia	X8463.2	SOD3	4	24791534
Bipolar disorder	X2652.15	PLAUR	19	44150247
Schizophrenia	X3413.50	BCL2A1	15	80253234
Attention deficit hyperactivity disorder	X5002.76	MMP14	14	23305769
Bipolar disorder	X3054.3	HP	16	72088404
Bipolar disorder	X5108.72	NOTCH3	19	15269849
Attention deficit hyperactivity disorder	X3397.7	PTPN11	12	112856155
Attention deficit hyperactivity disorder	X2974.61	CNTN1	12	41086241
Attention deficit hyperactivity disorder	X2443.10	FGF8	10	103529866
Schizophrenia	X5437.63	FABP3	1	31838100
Anorexia nervosa	X3322.52	LRIG3	12	59265931
Major depressive disorder	X3821.28	MAPKAPK	12	112280032
Schizophrenia	X3821.28	MAPKAPK	12	112280032
Major depressive disorder	X4413.3	SLPI	20	43880880
Schizophrenia	X5102.55	MICB	6	31462658
Schizophrenia	X3351.1	CAMK2B	7	44249618
Bipolar disorder	X13123.3	FLRT3	20	14303631
Schizophrenia	X4474.19	RPS27A	2	55459039
Bipolar disorder	X5076.53	EPHA10	1	38179552
Attention deficit hyperactivity disorder	X2833.20	KLK4	19	51409607
Bipolar disorder	X4718.5	PPIB	15	64447939

Major depressive disorder	X3179.51	CTSA	20	44518783
Major depressive disorder	X5404.53	TNFRSF21	6	47199268
Attention deficit hyperactivity disorder	X3514.49	PRTN3	19	840999
Major depressive disorder	X4568.17	SLITRK5	13	88323626
Post-traumatic stress disorder	X7648.9	MYBPC1	12	101962131
Schizophrenia	X4866.59	NTRK2	9	87283290
Post-traumatic stress disorder	X5470.69	MED1	17	37560538
Bipolar disorder	X14114.18	PIANP	12	6802957
Major depressive disorder	X2475.1	KIT	4	55523434
Major depressive disorder	X13117.232	CHKB	22	51017388
Attention deficit hyperactivity disorder	X3580.25	SERPINA1	14	94843084
Major depressive disorder	X5356.2	MIF	22	24236570
Schizophrenia	X14114.18	PIANP	12	6802957
Anorexia nervosa	X5131.15	TNFRSF19	13	24144509
Bipolar disorder	X3709.4	GPT	8	145728356
Bipolar disorder	X3601.54	CHL1	3	238446
Major depressive disorder	X3060.43	C9	5	39284242
Schizophrenia	X3292.75	CD48	1	160648536
Attention deficit hyperactivity disorder	X5412.53	CD27	12	6554121
Anorexia nervosa	X3078.1	PGF	14	75408537
Attention deficit hyperactivity disorder	X4534.10	PRSS22	16	2902731
Bipolar disorder	X3592.4	CAMK1	3	9799031
Attention deficit hyperactivity disorder	X2449.1	PLA2G5	1	20354672
Schizophrenia	X3707.12	ALB	4	74262831
Schizophrenia	X10990.21	LRRK2	12	40590546
Major depressive disorder	X3855.56	PRDX1	1	45976586
Schizophrenia	X2823.7	COMMD7	20	31290501
Anorexia nervosa	X4141.79	CXCL10	4	76942271
Attention deficit hyperactivity disorder	X8476.11	CHGA	14	93389495
Attention deficit hyperactivity disorder	X11105.171	ENO1	1	8921059
Post-traumatic stress disorder	X3896.5	PGAM1	10	99185948
Bipolar disorder	X3808.76	FGFR2	10	123237846
Bipolar disorder	X3707.12	ALB	4	74262831
Attention deficit hyperactivity disorder	X2711.6	CNTFR	9	34551430
Schizophrenia	X4703.87	LTA	6	31539831
Bipolar disorder	X2827.23	CX3CL1	16	57406389
Bipolar disorder	X13122.19	FLRT2	14	85996488
Schizophrenia	X2999.6	LSAMP	3	115521210
Bipolar disorder	X5028.59	CD163	12	7623407
Schizophrenia	X5109.24	NRCAM	7	107788068
Bipolar disorder	X2846.24	RPS27A	2	55459039
Schizophrenia	X3646.7	TEC	4	48137800
Major depressive disorder	X3836.51	UFM1	13	38923986
Bipolar disorder	X4703.87	LTA	6	31539831
Bipolar disorder	X13124.20	ISLR2	15	74392652

Attention deficit hyperactivity disorder	X5888.29	EIF5A	17	7210318
Schizophrenia	X3799.11	CA3	8	86285665
Anorexia nervosa	X3289.19	CA10	17	49707674
Schizophrenia	X4859.6	BMPR1A	10	88516358
Schizophrenia	X5065.8	CD83	6	14117487
Bipolar disorder	X3317.33	HTRA2	2	74756723
Schizophrenia	X14127.240	IFNB1	9	21077103
Attention deficit hyperactivity disorder	X2849.49	AIF1	6	31582994
Attention deficit hyperactivity disorder	X5870.23	BAD	11	64037302
Attention deficit hyperactivity disorder	X5532.53	FGFR1	8	38257733
Bipolar disorder	X3836.51	UFM1	13	38923986
Bipolar disorder	X3186.2	C2	6	31865562
Attention deficit hyperactivity disorder	X2647.66	GDI2	10	5807186
Schizophrenia	X4498.62	NCAM1	11	112831969
Attention deficit hyperactivity disorder	X3616.3	GNS	12	65107225
Anorexia nervosa	X5483.1	RGMA	15	93578501
Bipolar disorder	X11105.171	ENO1	1	8921059
Attention deficit hyperactivity disorder	X5061.27	ICOSLG	21	45635265
Schizophrenia	X4925.54	MMP13	11	102813724
Schizophrenia	X5228.25	KIF23	15	69706585
Major depressive disorder	X4203.50	CFL1	11	65590493
Schizophrenia	X4832.75	TNFRSF10A	8	23047965
Post-traumatic stress disorder	X10344.334	IL10RA	11	117857085
Bipolar disorder	X4832.75	TNFRSF10A	8	23047965
Schizophrenia	X3470.1	SELE	1	169691781
Schizophrenia	X4967.1	C1QBP	17	5336097
Schizophrenia	X4982.54	PI3	20	43803543
Schizophrenia	X3042.7	MB	22	36002811
Major depressive disorder	X5470.69	MED1	17	37560538
Attention deficit hyperactivity disorder	X2771.35	IGFBP1	7	45927959
Major depressive disorder	X2837.3	MET	7	116312250
Anorexia nervosa	X4923.79	AMH	19	2249308
Major depressive disorder	X9216.100	PLXNB2	22	50713408
Post-traumatic stress disorder	X3325.2	MATN2	8	98881068
Schizophrenia	X4153.11	SERPINA3	14	95078721
Anorexia nervosa	X2763.66	FGF20	8	16849690
Bipolar disorder	X3800.71	CKB	14	103986004
Major depressive disorder	X2752.62	GDF5	20	34021145
Anorexia nervosa	X3197.70	IDE	10	94211441
Anorexia nervosa	X4249.64	NME2	17	49242796
Schizophrenia	X8480.29	EFEMP1	2	56093102
Bipolar disorder	X5102.55	MICB	6	31462658
Schizophrenia	X4135.84	IGHE	14	106064028
Schizophrenia	X4135.84	IGK	2	89156874
Schizophrenia	X4135.84	IGHE	14	106064028

Attention deficit hyperactivity disorder	X5837.49	LIFR	5	38474770
Anorexia nervosa	X5070.76	TNFRSF6B	20	62328005
Bipolar disorder	X5437.63	FABP3	1	31838100
Attention deficit hyperactivity disorder	X3182.38	ENTPD1	10	97471536
Bipolar disorder	X9175.48	DSCAM	21	41382926
Schizophrenia	X13132.14	SEMA5A	5	9035145
Bipolar disorder	X5111.15	NRXN3	14	78636716
Bipolar disorder	X2986.49	CXCL3	4	74902306
Bipolar disorder	X2986.49	CXCL2	4	74962757
Bipolar disorder	X9196.8	LGALS7	19	39261608
Attention deficit hyperactivity disorder	X14157.21	YWHAE	17	1247569
Bipolar disorder	X4232.19	IGF1R	15	99191768
Attention deficit hyperactivity disorder	X3030.3	CLEC4M	19	7828096
Attention deficit hyperactivity disorder	X2644.11	PRKCA	17	64298731
Bipolar disorder	X5879.51	DCTN2	12	57923416
Schizophrenia	X2652.15	PLAUR	19	44150247
Attention deficit hyperactivity disorder	X10372.18	STAT6	12	57489191
Schizophrenia	X4124.24	HSPA1A	6	31783320
Major depressive disorder	X5897.58	GRP	18	56887390
Bipolar disorder	X3506.49	LTA	6	31539831
Bipolar disorder	X3506.49	LTB	6	31548302
Attention deficit hyperactivity disorder	X4706.17	EPB41	1	29213603
Anorexia nervosa	X14120.2	RNF43	17	56431037
Schizophrenia	X5346.24	CPNE1	20	34213953
Post-traumatic stress disorder	X4534.10	PRSS22	16	2902731
Anorexia nervosa	X3866.7	SBDS	7	66452667
Attention deficit hyperactivity disorder	X10364.6	SMAD2	18	45335328
Major depressive disorder	X14123.34	VSIR	10	73507313
Bipolar disorder	X5255.22	PDE4D	5	58264865
Major depressive disorder	X3005.5	PTPN1	20	49126858
Major depressive disorder	X4498.62	NCAM1	11	112831969
Schizophrenia	X2970.60	AREG	4	75310853
Schizophrenia	X14125.5	APOM	6	31620193
Schizophrenia	X3905.62	UBE2N	12	93799449
Attention deficit hyperactivity disorder	X14120.2	RNF43	17	56431037
Schizophrenia	X3800.71	CKB	14	103986004
Bipolar disorder	X4423.77	BCL2L1	20	30252255
Post-traumatic stress disorder	X4925.54	MMP13	11	102813724
Attention deficit hyperactivity disorder	X4718.5	PPIB	15	64447939
Major depressive disorder	X5070.76	TNFRSF6B	20	62328005
Bipolar disorder	X2182.54	C4A	6	31949834
Bipolar disorder	X2182.54	C4B	6	31982572
Major depressive disorder	X13107.9	LYPD3	19	43964939
Major depressive disorder	X5934.1	FTH1	11	61727190
Major depressive disorder	X5934.1	FTL	19	49468566

Attention deficit hyperactivity disorder	X4563.61	PLCG1	20	39765600
Attention deficit hyperactivity disorder	X2855.49	MAPK3	16	30125426
Schizophrenia	X4815.25	TXNDC12	1	52485803
Bipolar disorder	X4158.54	PLAU	10	75668935
Major depressive disorder	X4261.55	PON1	7	94926988
Attention deficit hyperactivity disorder	X3034.1	GFAP	17	42980527
Anorexia nervosa	X9182.3	LRP1	12	57522266
Schizophrenia	X3030.3	CLEC4M	19	7828096
Anorexia nervosa	X5939.42	TNFSF12	17	7451825
Bipolar disorder	X3859.50	PSMA1	11	14526420
Anorexia nervosa	X2637.77	MRC1	10	18098352
Attention deficit hyperactivity disorder	X2970.60	AREG	4	75310853
Major depressive disorder	X2516.57	CCL21	9	34709002
Major depressive disorder	X4534.10	PRSS22	16	2902731
Schizophrenia	X5467.15	HSP90AB1	6	44213903
Post-traumatic stress disorder	X2952.75	IGF1	12	102789652
Anorexia nervosa	X4718.5	PPIB	15	64447939
Attention deficit hyperactivity disorder	X3024.18	SERPINF2	17	1646130
Attention deficit hyperactivity disorder	X3028.36	CCL23	17	34340096
Schizophrenia	X5345.51	CKAP2	13	53029564
Post-traumatic stress disorder	X3477.63	NTRK1	1	156785432
Schizophrenia	X5480.49	CCL5	17	34198495
Attention deficit hyperactivity disorder	X4188.1	AKR7A2	1	19630459
Anorexia nervosa	X4815.25	TXNDC12	1	52485803
Bipolar disorder	X3795.6	ADAM9	8	38854273
Attention deficit hyperactivity disorder	X4982.54	PI3	20	43803543
Schizophrenia	X3034.1	GFAP	17	42980527
Bipolar disorder	X2700.56	PROS1	3	93591895
Bipolar disorder	X9178.30	NRG1	8	31496738
Attention deficit hyperactivity disorder	X5508.62	CTSD	11	1773982
Schizophrenia	X3289.19	CA10	17	49707674
Bipolar disorder	X2950.57	IGFBP4	17	38599702
Attention deficit hyperactivity disorder	X8459.10	BMP6	6	7726332
Attention deficit hyperactivity disorder	X9190.7	CD63	12	56119107
Attention deficit hyperactivity disorder	X7625.27	YWHAQ	2	9724096
Attention deficit hyperactivity disorder	X9180.6	IFNGR2	21	34775719
Attention deficit hyperactivity disorder	X3516.60	CXCL12	10	44865613
Bipolar disorder	X3418.12	CAMK1D	10	12391546
Major depressive disorder	X5358.3	OMD	9	95174662
Anorexia nervosa	X3389.7	SERPINA5	14	95027779
Bipolar disorder	X3299.29	CNTN5	11	98891679
Bipolar disorder	X9169.14	SUMO3	21	46225532
Post-traumatic stress disorder	X4721.54	TFF3	21	43731777
Attention deficit hyperactivity disorder	X9176.3	MUC1	1	155158300
Schizophrenia	X2615.60	EFNA5	5	106712595

Bipolar disorder	X5792.8	AFP	4	74296855
Major depressive disorder	X5062.60	CD226	18	67498394
Attention deficit hyperactivity disorder	X3351.1	CAMK2B	7	44249618
Major depressive disorder	X5909.51	NME1	17	49230920
Major depressive disorder	X4249.64	NME2	17	49242796
Schizophrenia	X5885.55	EIF4H	7	73588561
Post-traumatic stress disorder	X3322.52	LRIG3	12	59265931
Attention deficit hyperactivity disorder	X3005.5	PTPN1	20	49126858
Attention deficit hyperactivity disorder	X3060.43	C9	5	39284242
Bipolar disorder	X4499.21	PDGFA	7	536895
Attention deficit hyperactivity disorder	X3179.51	CTSA	20	44518783
Schizophrenia	X9175.48	DSCAM	21	41382926
Schizophrenia	X10363.13	SMAD3	15	67356101
Bipolar disorder	X5004.69	MAPK11	22	50702142
Schizophrenia	X3285.23	C1R	12	7187513
Major depressive disorder	X5102.55	MICB	6	31462658
Anorexia nervosa	X5111.15	NRXN3	14	78636716
Bipolar disorder	X3046.31	RETN	19	7733935
Attention deficit hyperactivity disorder	X3877.67	CAMKK1	17	3763609
Bipolar disorder	X5250.53	IMPDH2	3	49061758
Schizophrenia	X5260.80	TYK2	19	10461209
Major depressive disorder	X5861.78	HAAO	2	42994229
Major depressive disorder	X5250.53	IMPDH2	3	49061758
Post-traumatic stress disorder	X4563.61	PLCG1	20	39765600
Schizophrenia	X3877.67	CAMKK1	17	3763609
Bipolar disorder	X5483.1	RGMA	15	93578501
Anorexia nervosa	X2620.4	IL6ST	5	55230923
Schizophrenia	X7648.9	MYBPC1	12	101962131
Bipolar disorder	X5115.31	RELT	11	73087444
Attention deficit hyperactivity disorder	X4355.13	DAPK2	15	64199235
Schizophrenia	X14131.37	EFNB2	13	107142093
Bipolar disorder	X4141.79	CXCL10	4	76942271
Anorexia nervosa	X3171.57	APP	21	27252861
Schizophrenia	X2516.57	CCL21	9	34709002
Schizophrenia	X3152.57	TNFRSF1B	1	12227048
Schizophrenia	X3518.54	CPB2	13	46627321
Schizophrenia	X3038.9	CXCL11	4	76954835
Schizophrenia	X2860.19	KPNA2	17	66031752
Major depressive disorder	X3073.51	IL18BP	11	71709659
Major depressive disorder	X3038.9	CXCL11	4	76954835
Attention deficit hyperactivity disorder	X2515.14	GFRA2	8	21547910
Bipolar disorder	X4965.27	ATP5F1B	12	57031959
Anorexia nervosa	X4963.19	ARPP19	15	52839242
Bipolar disorder	X3364.76	CTSV	9	99791959
Anorexia nervosa	X2999.6	LSAMP	3	115521210

Bipolar disorder	X5903.91	HSPA8	11	122928197
Bipolar disorder	X2970.60	AREG	4	75310853
Post-traumatic stress disorder	X2948.58	GHR	5	42423541
Bipolar disorder	X2609.59	CST3	20	23607343
Bipolar disorder	X4122.12	DDR1	6	30844198
Attention deficit hyperactivity disorder	X9185.15	TFF1	21	43782391
Schizophrenia	X13103.125	CSH1	17	61972269
Schizophrenia	X13103.125	CSH2	17	61949372
Schizophrenia	X4978.54	DBNL	7	44084239
Bipolar disorder	X9173.21	PGM1	1	64059082
Attention deficit hyperactivity disorder	X3868.8	SGTA	19	2754713
Attention deficit hyperactivity disorder	X2972.57	BMP7	20	55743809
Schizophrenia	X14147.50	IFNG	12	68548548
Major depressive disorder	X9196.8	LGALS7	19	39261608
Schizophrenia	X14115.34	ADM	11	10326620
Schizophrenia	X3432.21	EPHA3	3	89156771
Anorexia nervosa	X5909.51	NME1	17	49230920
Attention deficit hyperactivity disorder	X4976.57	CRK	17	1323983
Attention deficit hyperactivity disorder	X4301.58	TK1	17	76170172
Attention deficit hyperactivity disorder	X4834.61	EPHA2	1	16450832
Attention deficit hyperactivity disorder	X5111.15	NRXN3	14	78636716
Anorexia nervosa	X3030.3	CLEC4M	19	7828096
Schizophrenia	X2950.57	IGFBP4	17	38599702
Bipolar disorder	X3312.64	FCGR1A	1	149754227
Bipolar disorder	X14125.5	APOM	6	31620193
Schizophrenia	X5255.22	PDE4D	5	58264865
Schizophrenia	X12060.28	GDF11	12	56136906
Bipolar disorder	X2514.65	EFNB3	17	7608520
Major depressive disorder	X5122.92	SEMA6A	5	115779251
Major depressive disorder	X14157.21	YWHAE	17	1247569
Schizophrenia	X5115.31	RELT	11	73087444
Bipolar disorder	X5013.2	CLIC1	6	31698358
Post-traumatic stress disorder	X3364.76	CTSV	9	99791959
Attention deficit hyperactivity disorder	X3646.7	TEC	4	48137800
Attention deficit hyperactivity disorder	X7648.9	MYBPC1	12	101962131
Anorexia nervosa	X5250.53	IMPDH2	3	49061758
Schizophrenia	X5846.24	NOG	17	54671060
Schizophrenia	X2870.29	RAC1	7	6414158
Attention deficit hyperactivity disorder	X4957.1	RPSA	3	39448207
Bipolar disorder	X3887.90	KPNB1	17	45726842
Bipolar disorder	X3055.54	IL4R	16	27324989
Bipolar disorder	X4355.13	DAPK2	15	64199235
Attention deficit hyperactivity disorder	X4250.23	NSFL1C	20	1422807
Bipolar disorder	X3179.51	CTSA	20	44518783
Major depressive disorder	X2816.50	BCAM	19	45312328

Anorexia nervosa	X5351.52	HNRNPA2I	7	26210771
Bipolar disorder	X3280.49	ACAN	15	89346667
Schizophrenia	X2515.14	GFRA2	8	21547910
Bipolar disorder	X5316.54	F2	11	46740746
Attention deficit hyperactivity disorder	X9207.60	CRYZL1	21	34961647
Bipolar disorder	X4124.24	HSPA1A	6	31783320
Post-traumatic stress disorder	X4911.49	GSTP1	11	67351213
Major depressive disorder	X2677.1	EGFR	7	55086710
Major depressive disorder	X2443.10	FGF8	10	103529866
Major depressive disorder	X5801.72	NGF	1	115828525
Bipolar disorder	X4453.83	LRRTM3	10	68685794
Bipolar disorder	X2949.6	PLA2G10	16	14766405
Attention deficit hyperactivity disorder	X2597.8	VEGFA	6	43737921
Major depressive disorder	X3026.5	CAST	5	95860971
Schizophrenia	X9171.11	CSRP3	11	19203577
Schizophrenia	X9204.33	POMC	2	25383722
Attention deficit hyperactivity disorder	X3813.3	FYN	6	111981535
Attention deficit hyperactivity disorder	X4389.2	DHH	12	49480439
Anorexia nervosa	X4158.54	PLAU	10	75668935
Attention deficit hyperactivity disorder	X12060.28	GDF11	12	56136906
Schizophrenia	X5108.72	NOTCH3	19	15269849
Attention deficit hyperactivity disorder	X5140.56	UNC5D	8	35092993
Schizophrenia	X3312.64	FCGR1A	1	149754227
Schizophrenia	X4453.83	LRRTM3	10	68685794
Bipolar disorder	X5364.7	SET	9	131445703
Anorexia nervosa	X13131.5	HK1	10	71029740
Major depressive disorder	X3795.6	ADAM9	8	38854273
Anorexia nervosa	X3037.62	IL1B	2	113587328
Bipolar disorder	X4272.46	GPI	19	34850385
Anorexia nervosa	X5104.57	NCR1	19	55417506
Schizophrenia	X3844.2	PPIA	7	44836279
Major depressive disorder	X3646.7	TEC	4	48137800
Anorexia nervosa	X2631.50	IL10RB	21	34638672
Bipolar disorder	X3890.8	LDHB	12	21788276
Major depressive disorder	X3438.10	FSTL3	19	676392
Bipolar disorder	X9204.33	POMC	2	25383722
Major depressive disorder	X5437.63	FABP3	1	31838100
Schizophrenia	X2666.53	DCN	12	91534261
Bipolar disorder	X2823.7	COMMD7	20	31290501
Anorexia nervosa	X5262.57	BCAR3	1	94027298
Schizophrenia	X4436.1	ENTPD3	3	40428675
Major depressive disorder	X5139.32	UNC5C	4	96083655
Attention deficit hyperactivity disorder	X2609.59	CST3	20	23607343
Schizophrenia	X4965.27	ATP5F1B	12	57031959
Bipolar disorder	X3028.36	CCL23	17	34340096

Bipolar disorder	X5825.49	IFNGR1	6	137518620
Schizophrenia	X5229.90	IMPDH1	7	128032331
Bipolar disorder	X2748.3	INHBA	7	41706766
Attention deficit hyperactivity disorder	X3326.58	CADM1	11	115039938
Schizophrenia	X3381.24	LYN	8	56792394
Bipolar disorder	X9207.60	CRYZL1	21	34961647
Attention deficit hyperactivity disorder	X3728.52	SCT	11	626309
Major depressive disorder	X4194.26	ANP32B	9	100745623
Schizophrenia	X4282.3	RAN	12	131356582
Schizophrenia	X4956.2	EREG	4	75230862
Bipolar disorder	X2752.62	GDF5	20	34021145
Bipolar disorder	X4237.70	LCMT1	16	25123052
Bipolar disorder	X5345.51	CKAP2	13	53029564
Major depressive disorder	X3839.60	AIP	11	67235645
Attention deficit hyperactivity disorder	X2615.60	EFNA5	5	106712595
Attention deficit hyperactivity disorder	X8480.29	EFEMP1	2	56093102
Bipolar disorder	X2763.66	FGF20	8	16849690
Post-traumatic stress disorder	X3299.29	CNTN5	11	98891679
Anorexia nervosa	X4588.1	PPY	17	42018172
Bipolar disorder	X5346.24	CPNE1	20	34213953
Major depressive disorder	X3055.54	IL4R	16	27324989
Attention deficit hyperactivity disorder	X8446.4	ADCYAP1	18	904872
Anorexia nervosa	X2693.20	OSM	22	30658818
Attention deficit hyperactivity disorder	X2441.2	FGF10	5	44300349
Schizophrenia	X4237.70	LCMT1	16	25123052
Major depressive disorder	X11098.1	PDXK	21	45138975
Schizophrenia	X10366.11	PDGFRA	4	55095447
Anorexia nervosa	X3073.51	IL18BP	11	71709659
Attention deficit hyperactivity disorder	X2877.3	UBE2I	16	1358881
Post-traumatic stress disorder	X5440.26	TNNI2	11	1860211
Schizophrenia	X4128.27	CCL24	7	75440143
Major depressive disorder	X3488.64	CAT	11	34460481
Attention deficit hyperactivity disorder	X4719.58	PDIA3	15	44038592
Post-traumatic stress disorder	X3327.27	NTN4	12	96051583
Major depressive disorder	X14125.5	APOM	6	31620193
Attention deficit hyperactivity disorder	X13122.19	FLRT2	14	85996488
Bipolar disorder	X3730.81	TNFRSF4	1	1146706
Schizophrenia	X9185.15	TFF1	21	43782391
Bipolar disorder	X5256.86	PDE5A	4	120415552
Anorexia nervosa	X4829.43	SFN	1	27189640
Bipolar disorder	X4533.76	ADAMTS1	11	130318540
Major depressive disorder	X4237.70	LCMT1	16	25123052
Schizophrenia	X2748.3	INHBA	7	41706766
Schizophrenia	X3055.54	IL4R	16	27324989
Schizophrenia	X4719.58	PDIA3	15	44038592

Major depressive disorder	X5846.24	NOG	17	54671060
Schizophrenia	X5462.62	FCN3	1	27695601
Major depressive disorder	X5384.67	BRF1	14	105675623
Schizophrenia	X5105.2	RTN4R	22	20228938
Bipolar disorder	X5837.49	LIFR	5	38474770
Anorexia nervosa	X4561.65	BIRC7	20	61867235
Major depressive disorder	X2579.17	MMP9	20	44637547
Major depressive disorder	X5532.53	FGFR1	8	38257733
Attention deficit hyperactivity disorder	X5404.53	TNFRSF21	6	47199268
Bipolar disorder	X3042.7	MB	22	36002811
Attention deficit hyperactivity disorder	X2754.50	C3	19	6677715
Anorexia nervosa	X9175.48	DSCAM	21	41382926
Attention deficit hyperactivity disorder	X5489.18	STIP1	11	63952744
Attention deficit hyperactivity disorder	X4547.59	FLRT1	11	63803403
Major depressive disorder	X5837.49	LIFR	5	38474770
Schizophrenia	X3635.76	OCIAD1	4	48807229
Anorexia nervosa	X9216.100	PLXNB2	22	50713408
Attention deficit hyperactivity disorder	X5462.62	FCN3	1	27695601
Bipolar disorder	X2516.57	CCL21	9	34709002
Schizophrenia	X2597.8	VEGFA	6	43737921
Schizophrenia	X3887.90	KPNB1	17	45726842
Bipolar disorder	X2770.51	CCL1	17	32687347
Major depressive disorder	X5464.52	GRB2	17	73314157
Schizophrenia	X3730.81	TNFRSF4	1	1146706
Attention deficit hyperactivity disorder	X3795.6	ADAM9	8	38854273
Major depressive disorder	X3024.18	SERPINF2	17	1646130
Major depressive disorder	X4859.6	BMPR1A	10	88516358
Bipolar disorder	X5870.23	BAD	11	64037302
Attention deficit hyperactivity disorder	X5486.73	ICAM2	17	62079954
Bipolar disorder	X9180.6	IFNGR2	21	34775719
Bipolar disorder	X5351.52	HNRNPA2l	7	26210771
Attention deficit hyperactivity disorder	X8484.24	LEP	7	127881331
Schizophrenia	X5351.52	HNRNPA2l	7	26210771
Major depressive disorder	X5481.16	RASA1	5	86563700
Attention deficit hyperactivity disorder	X5262.57	BCAR3	1	94027298
Schizophrenia	X2752.62	GDF5	20	34021145
Major depressive disorder	X5351.52	HNRNPA2l	7	26210771
Anorexia nervosa	X4237.70	LCMT1	16	25123052
Anorexia nervosa	X3480.7	DUSP3	17	41843493
Post-traumatic stress disorder	X4496.60	MMP12	11	102733467
Schizophrenia	X2754.50	C3	19	6677715
Attention deficit hyperactivity disorder	X4866.59	NTRK2	9	87283290
Post-traumatic stress disorder	X2637.77	MRC1	10	18098352
Attention deficit hyperactivity disorder	X4423.77	BCL2L1	20	30252255
Bipolar disorder	X7640.29	LRP1B	2	140988992

Bipolar disorder	X3009.3	TGFBR3	1	92145900
Attention deficit hyperactivity disorder	X2755.8	C3	19	6677715
Attention deficit hyperactivity disorder	X2652.15	PLAUR	19	44150247
Schizophrenia	X3504.58	HAMP	19	35771619
Post-traumatic stress disorder	X3315.15	GPC2	7	99767229
Schizophrenia	X2617.56	ERBB3	12	56470583
Bipolar disorder	X3073.51	IL18BP	11	71709659
Bipolar disorder	X7648.9	MYBPC1	12	101962131
Major depressive disorder	X5063.12	CD244	1	160799950
Post-traumatic stress disorder	X2943.5	CYP3A4	7	99354583
Anorexia nervosa	X5358.3	OMD	9	95174662
Bipolar disorder	X4127.75	C6	5	41142218
Schizophrenia	X3171.57	APP	21	27252861
Major depressive disorder	X3182.38	ENTPD1	10	97471536
Anorexia nervosa	X8446.4	ADCYAP1	18	904872
Anorexia nervosa	X11081.1	GPD1	12	50497765
Major depressive disorder	X4157.2	F2	11	46740746
Post-traumatic stress disorder	X3805.16	ESM1	5	54273695
Attention deficit hyperactivity disorder	X3152.57	TNFRSF1B	1	12227048
Bipolar disorder	X4815.25	TXNDC12	1	52485803
Bipolar disorder	X3488.64	CAT	11	34460481
Attention deficit hyperactivity disorder	X5897.58	GRP	18	56887390
Bipolar disorder	X11096.57	N6AMT1	21	30244513
Attention deficit hyperactivity disorder	X2966.65	CLEC11A	19	51226621
Attention deficit hyperactivity disorder	X4815.25	TXNDC12	1	52485803
Schizophrenia	X2602.2	ANGPT2	8	6357153
Attention deficit hyperactivity disorder	X13132.14	SEMA5A	5	9035145
Attention deficit hyperactivity disorder	X5076.53	EPHA10	1	38179552
Bipolar disorder	X2816.50	BCAM	19	45312328
Bipolar disorder	X5356.2	MIF	22	24236570
Bipolar disorder	X14156.33	YWHAB	20	43514343
Anorexia nervosa	X5023.23	ADSL	22	40742465
Anorexia nervosa	X3397.7	PTPN11	12	112856155
Post-traumatic stress disorder	X4976.57	CRK	17	1323983
Major depressive disorder	X2946.52	CFD	19	859453
Bipolar disorder	X5062.60	CD226	18	67498394
Major depressive disorder	X3364.76	CTSV	9	99791959
Bipolar disorder	X9171.11	CSRP3	11	19203577
Schizophrenia	X2981.9	ESAM	11	124622479
Attention deficit hyperactivity disorder	X5275.28	VAV1	19	6772719
Schizophrenia	X4157.2	F2	11	46740746
Schizophrenia	X3320.49	IGFBP7	4	57896939
Major depressive disorder	X2942.50	CYCS	7	25158275
Anorexia nervosa	X3181.50	CTSS	1	150702555
Bipolar disorder	X5301.7	CCL11	17	32612761

Schizophrenia	X5275.28	VAV1	19	6772719
Schizophrenia	X3178.5	CTSC	11	87998237
Bipolar disorder	X5909.51	NME1	17	49230920
Anorexia nervosa	X3592.4	CAMK1	3	9799031
Schizophrenia	X2620.4	IL6ST	5	55230923
Major depressive disorder	X5467.15	HSP90AB1	6	44213903
Post-traumatic stress disorder	X3074.6	LBP	20	36974885
Bipolar disorder	X2952.75	IGF1	12	102789652
Bipolar disorder	X10366.11	PDGFRA	4	55095447
Bipolar disorder	X5462.62	FCN3	1	27695601
Anorexia nervosa	X5481.16	RASA1	5	86563700
Major depressive disorder	X5076.53	EPHA10	1	38179552
Major depressive disorder	X5111.15	NRXN3	14	78636716
Attention deficit hyperactivity disorder	X5437.63	FABP3	1	31838100
Major depressive disorder	X5475.10	PRKCB	16	23847304
Bipolar disorder	X4925.54	MMP13	11	102813724
Major depressive disorder	X6653.58	CD47	3	107761938
Attention deficit hyperactivity disorder	X4500.50	CLEC11A	19	51226621
Bipolar disorder	X4967.1	C1QBP	17	5336097
Bipolar disorder	X3728.52	SCT	11	626309
Schizophrenia	X2201.17	COL18A1	21	46825080
Schizophrenia	X4129.72	CFB	6	31913427
Bipolar disorder	X2848.2	WIF1	12	65444406
Major depressive disorder	X3171.57	APP	21	27252861
Schizophrenia	X2974.61	CNTN1	12	41086241
Major depressive disorder	X5462.62	FCN3	1	27695601
Bipolar disorder	X2693.20	OSM	22	30658818
Attention deficit hyperactivity disorder	X3178.5	CTSC	11	87998237
Anorexia nervosa	X13114.50	LUM	12	91496406
Major depressive disorder	X4957.1	RPSA	3	39448207
Post-traumatic stress disorder	X2834.54	KLK8	19	51499263
Major depressive disorder	X13114.50	LUM	12	91496406
Bipolar disorder	X9202.309	ATP5PO	21	35275757
Post-traumatic stress disorder	X2501.51	CDH1	16	68771195
Major depressive disorder	X4965.27	ATP5F1B	12	57031959
Schizophrenia	X2848.2	WIF1	12	65444406
Bipolar disorder	X10372.18	STAT6	12	57489191
Major depressive disorder	X2860.19	KPNA2	17	66031752
Schizophrenia	X5837.49	LIFR	5	38474770
Anorexia nervosa	X2879.9	SERPINA3	14	95078721
Major depressive disorder	X9204.33	POMC	2	25383722
Anorexia nervosa	X2212.69	PLAT	8	42032236
Bipolar disorder	X9216.100	PLXNB2	22	50713408
Schizophrenia	X5002.76	MMP14	14	23305769
Major depressive disorder	X2201.17	COL18A1	21	46825080

Major depressive disorder	X4154.57	SELP	1	169558087
Major depressive disorder	X7640.29	LRP1B	2	140988992
Schizophrenia	X4706.17	EPB41	1	29213603
Post-traumatic stress disorder	X4232.19	IGF1R	15	99191768
Major depressive disorder	X4706.17	EPB41	1	29213603
Attention deficit hyperactivity disorder	X2201.17	COL18A1	21	46825080
Attention deficit hyperactivity disorder	X4925.54	MMP13	11	102813724
Bipolar disorder	X7660.21	TPM4	19	16177831
Bipolar disorder	X2692.74	PLA2G2A	1	20301924
Anorexia nervosa	X4969.2	CA1	8	86239837
Schizophrenia	X3325.2	MATN2	8	98881068
Post-traumatic stress disorder	X5867.60	ARG1	6	131791972
Bipolar disorder	X4706.17	EPB41	1	29213603
Attention deficit hyperactivity disorder	X5110.84	NRXN1	2	50145641
Schizophrenia	X13124.20	ISLR2	15	74392652
Schizophrenia	X4542.24	CLU	8	27454434
Bipolar disorder	X3413.50	BCL2A1	15	80253234
Schizophrenia	X3810.50	FGR	1	27938575
Major depressive disorder	X14131.37	EFNB2	13	107142093
Attention deficit hyperactivity disorder	X10344.334	IL10RA	11	117857085
Anorexia nervosa	X4851.25	IL1A	2	113531502
Major depressive disorder	X5084.154	IL17RB	3	53880595
Major depressive disorder	X3320.49	IGFBP7	4	57896939
Anorexia nervosa	X2700.56	PROS1	3	93591895
Schizophrenia	X3449.58	SERPINA4	14	95027779
Major depressive disorder	X3418.12	CAMK1D	10	12391546
Attention deficit hyperactivity disorder	X3847.56	ETHE1	19	44010871
Schizophrenia	X3592.4	CAMK1	3	9799031
Schizophrenia	X4496.60	MMP12	11	102733467
Attention deficit hyperactivity disorder	X11081.1	GPD1	12	50497765
Anorexia nervosa	X5542.22	NRP1	10	33466420
Major depressive disorder	X3289.19	CA10	17	49707674
Schizophrenia	X4220.39	FER	5	108083542
Bipolar disorder	X3810.50	FGR	1	27938575
Bipolar disorder	X5480.49	CCL5	17	34198495
Schizophrenia	X10364.6	SMAD2	18	45335328
Bipolar disorder	X4314.12	DCTPP1	16	30434936
Major depressive disorder	X5879.51	DCTN2	12	57923416
Anorexia nervosa	X5476.66	PRKCG	19	54382444
Attention deficit hyperactivity disorder	X5001.6	SCGB2A1	11	61976145
Major depressive disorder	X5494.52	SNRPF	12	96252730
Schizophrenia	X5121.3	SEMA6B	19	4542605
Bipolar disorder	X3822.54	MAPKAPK	3	50648951
Major depressive disorder	X5870.23	BAD	11	64037302
Schizophrenia	X2278.61	TIMP2	17	76849059

Bipolar disorder	X3171.57	APP	21	27252861
Schizophrenia	X4203.50	CFL1	11	65590493
Bipolar disorder	X2849.49	AIF1	6	31582994
Bipolar disorder	X3289.19	CA10	17	49707674
Major depressive disorder	X2278.61	TIMP2	17	76849059
Bipolar disorder	X5489.18	STIP1	11	63952744
Bipolar disorder	X5262.57	BCAR3	1	94027298
Schizophrenia	X4930.21	STC1	8	23699442
Schizophrenia	X5918.5	PSME1	14	24605372
Bipolar disorder	X2212.69	PLAT	8	42032236
Attention deficit hyperactivity disorder	X5316.54	F2	11	46740746
Bipolar disorder	X4829.43	SFN	1	27189640
Schizophrenia	X2771.35	IGFBP1	7	45927959
Major depressive disorder	X4250.23	NSFL1C	20	1422807
Attention deficit hyperactivity disorder	X3289.19	CA10	17	49707674
Attention deficit hyperactivity disorder	X4258.15	PA2G4	12	56498321
Anorexia nervosa	X3440.7	GZMA	5	54398474
Schizophrenia	X3611.70	ECE1	1	21543740
Major depressive disorder	X4389.2	DHH	12	49480439
Anorexia nervosa	X4452.9	LRRTM1	2	80515476
Major depressive disorder	X3810.50	FGR	1	27938575
Schizophrenia	X5475.10	PRKCB	16	23847304
Bipolar disorder	X2644.11	PRKCA	17	64298731
Bipolar disorder	X5116.62	ROBO2	3	75955846
Schizophrenia	X2697.7	PF4	4	74846528
Attention deficit hyperactivity disorder	X5481.16	RASA1	5	86563700
Major depressive disorder	X5140.56	UNC5D	8	35092993
Major depressive disorder	X4542.24	CLU	8	27454434
Anorexia nervosa	X4883.56	INS	11	2181009
Bipolar disorder	X2201.17	COL18A1	21	46825080
Attention deficit hyperactivity disorder	X14131.37	EFNB2	13	107142093
Schizophrenia	X9180.6	IFNGR2	21	34775719
Major depressive disorder	X2711.6	CNTFR	9	34551430
Attention deficit hyperactivity disorder	X3708.62	A2M	12	9220260
Bipolar disorder	X4547.59	FLRT1	11	63803403
Major depressive disorder	X2686.67	IGFBP6	12	53491220
Bipolar disorder	X3005.5	PTPN1	20	49126858
Schizophrenia	X2580.83	MPO	17	56347216
Attention deficit hyperactivity disorder	X5384.67	BRF1	14	105675623
Bipolar disorder	X9191.8	TFF2	21	43766466
Major depressive disorder	X5000.52	LGALS3BP	17	76967320
Schizophrenia	X3220.40	RET	10	43572512
Schizophrenia	X5354.11	KRT18	12	53342655
Schizophrenia	X4588.1	PPY	17	42018172
Anorexia nervosa	X4703.87	LTA	6	31539831

Attention deficit hyperactivity disorder	X9175.48	DSCAM	21	41382926
Bipolar disorder	X5002.76	MMP14	14	23305769
Anorexia nervosa	X3206.4	LYVE1	11	10578513
Attention deficit hyperactivity disorder	X5225.50	CSNK2A1	20	453142
Attention deficit hyperactivity disorder	X5225.50	CSNK2B	6	31633004
Schizophrenia	X3847.56	ETHE1	19	44010871
Bipolar disorder	X4969.2	CA1	8	86239837
Bipolar disorder	X4551.72	ADGRG5	16	57576555
Major depressive disorder	X5004.69	MAPK11	22	50702142
Bipolar disorder	X3872.2	TPT1	13	45907606
Bipolar disorder	X4220.39	FER	5	108083542
Major depressive disorder	X4272.46	GPI	19	34850385
Major depressive disorder	X5350.14	GPC6	13	93879060
Bipolar disorder	X3320.49	IGFBP7	4	57896939
Bipolar disorder	X2711.6	CNTFR	9	34551430
Attention deficit hyperactivity disorder	X4969.2	CA1	8	86239837
Bipolar disorder	X2658.27	NTRK3	15	88402982
Bipolar disorder	X4542.24	CLU	8	27454434
Bipolar disorder	X3474.19	THBS1	15	39873280
Attention deficit hyperactivity disorder	X3836.51	UFM1	13	38923986
Major depressive disorder	X9202.309	ATP5PO	21	35275757
Attention deficit hyperactivity disorder	X3799.11	CA3	8	86285665
Major depressive disorder	X10372.18	STAT6	12	57489191
Schizophrenia	X3364.76	CTSV	9	99791959
Bipolar disorder	X5030.52	SIRT2	19	39369195
Bipolar disorder	X4957.1	RPSA	3	39448207
Bipolar disorder	X3611.70	ECE1	1	21543740
Attention deficit hyperactivity disorder	X3177.49	CA4	17	58227303
Bipolar disorder	X13132.14	SEMA5A	5	9035145
Attention deficit hyperactivity disorder	X9173.21	PGM1	1	64059082
Anorexia nervosa	X2877.3	UBE2I	16	1358881
Schizophrenia	X5035.7	TYMS	18	657653
Post-traumatic stress disorder	X5858.6	YWHAZ	8	101928751
Schizophrenia	X5494.52	SNRPF	12	96252730
Major depressive disorder	X5440.26	TNNI2	11	1860211
Schizophrenia	X5000.52	LGALS3BP	17	76967320
Post-traumatic stress disorder	X4549.78	FUT5	19	5865837
Bipolar disorder	X5271.5	RAC3	17	79989554
Schizophrenia	X5870.23	BAD	11	64037302
Attention deficit hyperactivity disorder	X5034.79	PRSS2	7	974014
Attention deficit hyperactivity disorder	X9211.19	SERPINF1	17	1665323
Major depressive disorder	X3708.62	A2M	12	9220260
Bipolar disorder	X4389.2	DHH	12	49480439
Bipolar disorder	X3432.21	EPHA3	3	89156771
Attention deficit hyperactivity disorder	X2704.74	TNFRSF13I	17	16833130

Anorexia nervosa	X5255.22	PDE4D	5	58264865
Post-traumatic stress disorder	X3303.23	CST6	11	65779479
Attention deficit hyperactivity disorder	X5807.77	CD70	19	6583194
Schizophrenia	X4961.17	ANXA2	15	60639333
Attention deficit hyperactivity disorder	X3220.40	RET	10	43572512
Major depressive disorder	X4232.19	IGF1R	15	99191768
Bipolar disorder	X2449.1	PLA2G5	1	20354672
Bipolar disorder	X4203.50	CFL1	11	65590493
Attention deficit hyperactivity disorder	X2762.30	FGF19	11	69513006
Anorexia nervosa	X3182.38	ENTPD1	10	97471536
Major depressive disorder	X3815.14	IL12RB2	1	67773047
Schizophrenia	X5076.53	EPHA10	1	38179552
Schizophrenia	X6152.111	TP53	17	7565097
Major depressive disorder	X11081.1	GPD1	12	50497765
Schizophrenia	X4487.1	FGF7	15	49715434
Major depressive disorder	X8476.11	CHGA	14	93389495
Schizophrenia	X2937.10	APOE	19	45409048
Schizophrenia	X2972.57	BMP7	20	55743809
Anorexia nervosa	X5482.61	RBP4	10	95351444
Major depressive disorder	X2666.53	DCN	12	91534261
Schizophrenia	X14150.7	IL36A	2	113763036
Bipolar disorder	X5034.79	PRSS2	7	974014
Schizophrenia	X14132.21	HHLA2	3	108015376
Anorexia nervosa	X8459.10	BMP6	6	7726332
Attention deficit hyperactivity disorder	X2683.1	C3	19	6677715
Bipolar disorder	X2611.72	TYRO3	15	41849873
Bipolar disorder	X10364.6	SMAD2	18	45335328
Bipolar disorder	X13112.179	FSTL1	3	120111140
Schizophrenia	X10344.334	IL10RA	11	117857085
Major depressive disorder	X4890.10	POMC	2	25383722
Bipolar disorder	X5354.11	KRT18	12	53342655
Anorexia nervosa	X2666.53	DCN	12	91534261
Anorexia nervosa	X3055.54	IL4R	16	27324989
Schizophrenia	X2846.24	RPS27A	2	55459039
Major depressive disorder	X4963.19	ARPP19	15	52839242
Anorexia nervosa	X4956.2	EREG	4	75230862
Bipolar disorder	X5490.53	SPOCK1	5	136310987
Bipolar disorder	X9185.15	TFF1	21	43782391
Anorexia nervosa	X5879.51	DCTN2	12	57923416
Anorexia nervosa	X2611.72	TYRO3	15	41849873
Bipolar disorder	X5114.65	PRLR	5	35048861
Attention deficit hyperactivity disorder	X5470.69	MED1	17	37560538
Anorexia nervosa	X2948.58	GHR	5	42423541
Major depressive disorder	X2981.9	ESAM	11	124622479
Bipolar disorder	X3481.87	XPNPEP1	10	111624524

Major depressive disorder	X9182.3	LRP1	12	57522266
Bipolar disorder	X4148.49	PAPPA	9	118916070
Major depressive disorder	X14150.7	IL36A	2	113763036
Bipolar disorder	X3285.23	C1R	12	7187513
Bipolar disorder	X2771.35	IGFBP1	7	45927959
Schizophrenia	X5897.58	GRP	18	56887390
Attention deficit hyperactivity disorder	X4237.70	LCMT1	16	25123052
Bipolar disorder	X5070.76	TNFRSF6B	20	62328005
Major depressive disorder	X3635.76	OCIAD1	4	48807229
Bipolar disorder	X4840.73	CSF3	17	38171614
Anorexia nervosa	X3825.18	MAPK8	10	49514682
Major depressive disorder	X3461.58	BCAN	1	156611182
Bipolar disorder	X4332.6	CLEC1B	12	10138241
Post-traumatic stress disorder	X3060.43	C9	5	39284242
Schizophrenia	X4829.43	SFN	1	27189640
Bipolar disorder	X5061.27	ICOSLG	21	45635265
Bipolar disorder	X4249.64	NME2	17	49242796
Schizophrenia	X3795.6	ADAM9	8	38854273
Schizophrenia	X5864.10	ALDOA	16	30075485
Schizophrenia	X2683.1	C3	19	6677715
Anorexia nervosa	X3025.50	FGF2	4	123747863
Major depressive disorder	X3859.50	PSMA1	11	14526420
Anorexia nervosa	X3810.50	FGR	1	27938575
Bipolar disorder	X2974.61	CNTN1	12	41086241
Schizophrenia	X5246.64	PDE2A	11	72287185
Anorexia nervosa	X13122.19	FLRT2	14	85996488
Schizophrenia	X4314.12	DCTPP1	16	30434936
Major depressive disorder	X4923.79	AMH	19	2249308
Bipolar disorder	X2443.10	FGF8	10	103529866
Schizophrenia	X9212.22	CTSF	11	66330935
Schizophrenia	X2441.2	FGF10	5	44300349
Major depressive disorder	X3440.7	GZMA	5	54398474
Schizophrenia	X3836.51	UFM1	13	38923986
Schizophrenia	X3514.49	PRTN3	19	840999
Attention deficit hyperactivity disorder	X5028.59	CD163	12	7623407
Schizophrenia	X3825.18	MAPK8	10	49514682
Bipolar disorder	X3866.7	SBDS	7	66452667
Major depressive disorder	X5301.7	CCL11	17	32612761
Attention deficit hyperactivity disorder	X2617.56	ERBB3	12	56470583
Post-traumatic stress disorder	X3196.6	HAPLN1	5	82933624
Major depressive disorder	X4925.54	MMP13	11	102813724
Bipolar disorder	X4834.61	EPHA2	1	16450832
Anorexia nervosa	X5000.52	LGALS3BP	17	76967320
Bipolar disorder	X3440.7	GZMA	5	54398474
Attention deficit hyperactivity disorder	X7628.40	CRELD1	3	9975477

Schizophrenia	X2711.6	CNTFR	9	34551430
Anorexia nervosa	X5345.51	CKAP2	13	53029564
Major depressive disorder	X8464.31	RSPO4	20	939095
Major depressive disorder	X5012.67	AK1	9	130628765
Major depressive disorder	X3314.74	GFRA1	10	117816436
Post-traumatic stress disorder	X4436.1	ENTPD3	3	40428675
Attention deficit hyperactivity disorder	X5861.78	HAAO	2	42994229
Major depressive disorder	X5116.62	ROBO2	3	75955846
Anorexia nervosa	X4306.4	TKT	3	53258728
Anorexia nervosa	X2686.67	IGFBP6	12	53491220
Major depressive disorder	X4829.43	SFN	1	27189640
Major depressive disorder	X5021.13	PPA1	10	71962591
Attention deficit hyperactivity disorder	X2714.78	AIMP1	4	107236701
Anorexia nervosa	X2913.1	CCL23	17	34340096
Bipolar disorder	X2943.5	CYP3A4	7	99354583
Major depressive disorder	X2683.1	C3	19	6677715
Schizophrenia	X5440.26	TNNI2	11	1860211
Major depressive disorder	X4834.61	EPHA2	1	16450832
Major depressive disorder	X11071.1	IL5	5	131877137
Bipolar disorder	X4413.3	SLPI	20	43880880
Major depressive disorder	X2997.8	JAM2	21	27011570
Schizophrenia	X3122.6	DIABLO	12	122692210
Anorexia nervosa	X2789.26	MMP7	11	102391239
Schizophrenia	X5034.79	PRSS2	7	974014
Bipolar disorder	X2855.49	MAPK3	16	30125426
Attention deficit hyperactivity disorder	X3438.10	FSTL3	19	676392
Bipolar disorder	X5140.56	UNC5D	8	35092993
Post-traumatic stress disorder	X4192.10	AKR1A1	1	46016215
Major depressive disorder	X11105.171	ENO1	1	8921059
Schizophrenia	X2942.50	CYCS	7	25158275
Major depressive disorder	X4128.27	CCL24	7	75440143
Bipolar disorder	X2942.50	CYCS	7	25158275
Bipolar disorder	X3845.51	DYNLRB1	20	33104200
Post-traumatic stress disorder	X3623.84	LY86	6	6588341
Anorexia nervosa	X5430.66	SIRPA	20	1874813
Schizophrenia	X5356.2	MIF	22	24236570
Major depressive disorder	X5264.65	CALR	19	13049392
Major depressive disorder	X5480.49	CCL5	17	34198495
Schizophrenia	X4337.49	CRP	1	159682079
Major depressive disorder	X2770.51	CCL1	17	32687347
Schizophrenia	X5481.16	RASA1	5	86563700
Major depressive disorder	X2889.37	CTF1	16	30907935
Schizophrenia	X3296.92	CNTN2	1	205012065
Major depressive disorder	X5316.54	F2	11	46740746
Major depressive disorder	X3813.3	FYN	6	111981535

Anorexia nervosa	X5116.62	ROBO2	3	75955846
Anorexia nervosa	X2974.61	CNTN1	12	41086241
Major depressive disorder	X4815.25	TXNDC12	1	52485803
Major depressive disorder	X5110.84	NRXN1	2	50145641
Schizophrenia	X3466.8	PRKACA	19	14202500
Post-traumatic stress disorder	X13119.26	SERPINA1(	14	94746797
Bipolar disorder	X2997.8	JAM2	21	27011570
Attention deficit hyperactivity disorder	X4487.1	FGF7	15	49715434
Attention deficit hyperactivity disorder	X5301.7	CCL11	17	32612761
Schizophrenia	X4429.51	CHST6	16	75505950
Major depressive disorder	X9212.22	CTSF	11	66330935
Bipolar disorder	X13095.51	REG1A	2	79347488
Bipolar disorder	X2969.11	ACVRL1	12	52300692
Bipolar disorder	X5864.10	ALDOA	16	30075485
Attention deficit hyperactivity disorder	X13107.9	LYPD3	19	43964939
Major depressive disorder	X3887.90	KPNB1	17	45726842
Anorexia nervosa	X13119.26	SERPINA1(	14	94746797
Schizophrenia	X3607.71	DKK3	11	11977754
Schizophrenia	X5271.5	RAC3	17	79989554
Bipolar disorder	X11098.1	PDXK	21	45138975
Major depressive disorder	X3806.55	EPHA5	4	66185281
Schizophrenia	X2997.8	JAM2	21	27011570
Attention deficit hyperactivity disorder	X2752.62	GDF5	20	34021145
Anorexia nervosa	X11089.7	IGHA2	14	106053226
Anorexia nervosa	X11089.7	IGHA1	14	106170332
Anorexia nervosa	X3509.1	CCL15	17	34323476
Major depressive disorder	X2771.35	IGFBP1	7	45927959
Bipolar disorder	X2973.15	CD36	7	79998891
Anorexia nervosa	X2514.65	EFNB3	17	7608520
Attention deficit hyperactivity disorder	X3839.60	AIP	11	67235645
Major depressive disorder	X9207.60	CRYZL1	21	34961647
Major depressive disorder	X5002.76	MMP14	14	23305769
Post-traumatic stress disorder	X3796.79	ANGPTL4	19	8428173
Attention deficit hyperactivity disorder	X2658.27	NTRK3	15	88402982
Schizophrenia	X2969.11	ACVRL1	12	52300692
Major depressive disorder	X3331.8	RGMB	5	98104354
Major depressive disorder	X4487.1	FGF7	15	49715434
Schizophrenia	X2665.26	TNFRSF17	16	12059067
Attention deficit hyperactivity disorder	X2943.5	CYP3A4	7	99354583
Anorexia nervosa	X3514.49	PRTN3	19	840999
Major depressive disorder	X3825.18	MAPK8	10	49514682
Anorexia nervosa	X3813.3	FYN	6	111981535
Bipolar disorder	X5105.2	RTN4R	22	20228938
Attention deficit hyperactivity disorder	X2768.56	HPX	11	6452279
Major depressive disorder	X6641.60	UBB	17	16284112

Schizophrenia	X2763.66	FGF20	8	16849690
Bipolar disorder	X4890.10	POMC	2	25383722
Attention deficit hyperactivity disorder	X2602.2	ANGPT2	8	6357153
Schizophrenia	X4209.60	VTA1	6	142468299
Major depressive disorder	X4129.72	CFB	6	31913427
Post-traumatic stress disorder	X3166.92	CD33	19	51728320
Attention deficit hyperactivity disorder	X4551.72	ADGRG5	16	57576555
Post-traumatic stress disorder	X5271.5	RAC3	17	79989554
Anorexia nervosa	X5004.69	MAPK11	22	50702142
Post-traumatic stress disorder	X5542.22	NRP1	10	33466420
Bipolar disorder	X3450.4	KLK6	19	51461887
Major depressive disorder	X2967.8	VCAM1	1	101185298
Schizophrenia	X3450.4	KLK6	19	51461887
Schizophrenia	X13107.9	LYPD3	19	43964939
Schizophrenia	X4890.10	POMC	2	25383722
Bipolar disorder	X8463.2	SOD3	4	24791534
Attention deficit hyperactivity disorder	X2946.52	CFD	19	859453
Major depressive disorder	X3041.55	MRC2	17	60705031
Bipolar disorder	X2578.67	CCL2	17	32582293
Schizophrenia	X2182.54	C4A	6	31949834
Schizophrenia	X2182.54	C4B	6	31982572
Schizophrenia	X3640.14	LRPAP1	4	3505339
Bipolar disorder	X13107.9	LYPD3	19	43964939
Attention deficit hyperactivity disorder	X2969.11	ACVRL1	12	52300692
Schizophrenia	X2833.20	KLK4	19	51409607
Bipolar disorder	X2833.20	KLK4	19	51409607
Major depressive disorder	X2714.78	AIMP1	4	107236701
Major depressive disorder	X5228.25	KIF23	15	69706585
Attention deficit hyperactivity disorder	X4967.1	C1QBP	17	5336097
Bipolar disorder	X2480.58	TIMP3	22	33197691
Attention deficit hyperactivity disorder	X3592.4	CAMK1	3	9799031
Post-traumatic stress disorder	X5129.12	SCARF1	17	1537152
Major depressive disorder	X3066.12	LGALS3	14	55590828
Bipolar disorder	X4374.45	GDF15	19	18485541
Schizophrenia	X5013.2	CLIC1	6	31698358
Schizophrenia	X5301.7	CCL11	17	32612761
Anorexia nervosa	X2900.53	CCL14	17	34310324
Schizophrenia	X2849.49	AIF1	6	31582994
Schizophrenia	X9196.8	LGALS7	19	39261608
Bipolar disorder	X9182.3	LRP1	12	57522266
Major depressive disorder	X5903.91	HSPA8	11	122928197
Bipolar disorder	X5846.24	NOG	17	54671060
Schizophrenia	X3419.49	CAMK2D	4	114339210
Bipolar disorder	X5470.69	MED1	17	37560538
Bipolar disorder	X5068.54	CRTAM	11	122709208

Anorexia nervosa	X2617.56	ERBB3	12	56470583
Anorexia nervosa	X2436.49	CXCL16	17	4636828
Major depressive disorder	X2697.7	PF4	4	74846528
Bipolar disorder	X2860.19	KPNA2	17	66031752
Major depressive disorder	X3419.49	CAMK2D	4	114339210
Bipolar disorder	X2841.13	FRZB	2	183698002
Major depressive disorder	X9178.30	NRG1	8	31496738
Schizophrenia	X5116.62	ROBO2	3	75955846
Major depressive disorder	X3822.54	MAPKAPK	3	50648951
Major depressive disorder	X5864.10	ALDOA	16	30075485
Attention deficit hyperactivity disorder	X3635.76	OCIAD1	4	48807229
Major depressive disorder	X5456.59	CNDP1	18	72201735
Major depressive disorder	X5918.5	PSME1	14	24605372
Attention deficit hyperactivity disorder	X2578.67	CCL2	17	32582293
Bipolar disorder	X5000.52	LGALS3BP	17	76967320
Schizophrenia	X3859.50	PSMA1	11	14526420
Bipolar disorder	X2597.8	VEGFA	6	43737921
Schizophrenia	X8468.19	KLK3	19	51358171
Post-traumatic stress disorder	X5532.53	FGFR1	8	38257733
Bipolar disorder	X4982.54	PI3	20	43803543
Bipolar disorder	X8468.19	KLK3	19	51358171
Bipolar disorder	X3617.80	HGFAC	4	3443695
Major depressive disorder	X13109.82	NEGR1	1	71861626
Anorexia nervosa	X4551.72	ADGRG5	16	57576555
Bipolar disorder	X7625.27	YWHAQ	2	9724096
Major depressive disorder	X3466.8	PRKACA	19	14202500
Post-traumatic stress disorder	X9197.4	LGALS9	17	25956824
Anorexia nervosa	X4187.49	PGD	1	10458649
Schizophrenia	X3903.49	SNX4	3	125165494
Anorexia nervosa	X13133.73	LTBP4	19	41098789
Schizophrenia	X2813.11	AGRP	16	67516474
Bipolar disorder	X5090.49	LILRB1	19	55128612
Anorexia nervosa	X3320.49	IGFBP7	4	57896939
Schizophrenia	X2578.67	CCL2	17	32582293
Schizophrenia	X3710.49	PLG	6	161123270
Major depressive disorder	X4479.14	SERPING1	11	57364860
Schizophrenia	X5084.154	IL17RB	3	53880595
Schizophrenia	X2853.68	CHEK1	11	125495058
Bipolar disorder	X5084.154	IL17RB	3	53880595
Schizophrenia	X4151.6	PLG	6	161123270
Bipolar disorder	X2813.11	AGRP	16	67516474
Bipolar disorder	X5478.50	FOLH1	11	49166644
Anorexia nervosa	X2827.23	CX3CL1	16	57406389
Bipolar disorder	X4811.33	ITIH4	3	52846978
Schizophrenia	X4811.33	ITIH4	3	52846978

Bipolar disorder	X9212.22	CTSF	11	66330935
Attention deficit hyperactivity disorder	X11104.13	CHI3L1	1	203148059
Major depressive disorder	X3647.49	TLR4	9	120466453
Major depressive disorder	X3647.49	LY96	8	74903627
Schizophrenia	X11067.13	BGLAP	1	156211975
Schizophrenia	X5134.52	HAVCR2	5	156512433
Schizophrenia	X3608.12	DPP7	9	140004998
Schizophrenia	X4154.57	SELP	1	169558087
Schizophrenia	X4831.4	SELL	1	169659806
Attention deficit hyperactivity disorder	X3894.15	NAGK	2	71291474
Schizophrenia	X3676.15	IGF2R	6	160390114
Bipolar disorder	X2762.30	FGF19	11	69513006
Schizophrenia	X5487.7	SLAMF7	1	160708847
Bipolar disorder	X4328.2	BOC	3	112929850
Bipolar disorder	X3184.25	F7	13	113760102
Major depressive disorder	X5478.50	FOLH1	11	49166644
Schizophrenia	X9183.7	IFNAR1	21	34696692
Major depressive disorder	X3509.1	CCL15	17	34323476
Major depressive disorder	X3044.3	CCL18	17	34391632
Major depressive disorder	X4913.78	CCL16	17	34303529
Major depressive disorder	X2900.53	CCL14	17	34310324
Major depressive disorder	X2631.50	IL10RB	21	34638672
Major depressive disorder	X9183.7	IFNAR1	21	34696692
Schizophrenia	X6649.51	NTN1	17	8924827
Schizophrenia	X3603.60	CLEC7A	12	10269376
Schizophrenia	X7628.40	CRELD1	3	9975477
Schizophrenia	X5091.28	LILRB2	19	54777666
Schizophrenia	X2747.3	ULBP3	6	150382189
Schizophrenia	X5248.68	PPIF	10	81107225
Schizophrenia	X3459.49	PDGFRB	5	149493402
Schizophrenia	X3894.15	NAGK	2	71291474
Schizophrenia	X4991.12	GPC5	13	92050875
Attention deficit hyperactivity disorder	X4328.2	BOC	3	112929850
Schizophrenia	X2913.1	CCL23	17	34340096
Schizophrenia	X2985.35	CXCL1	4	74735110
Major depressive disorder	X2985.35	CXCL1	4	74735110
Schizophrenia	X5080.131	GPNMB	7	23275586
Bipolar disorder	X7628.40	CRELD1	3	9975477
Schizophrenia	X5132.71	IL27RA	19	14142574
Bipolar disorder	X3603.60	CLEC7A	12	10269376
Bipolar disorder	X3636.37	OLR1	12	10310900
Bipolar disorder	X4342.10	ICAM1	19	10381769
Bipolar disorder	X6649.51	NTN1	17	8924827
Bipolar disorder	X9177.6	FAM3B	21	42676139
Bipolar disorder	X2948.58	GHR	5	42423541

Schizophrenia	X3196.6	HAPLN1	5	82933624
Schizophrenia	X4964.67	ERAP1	5	96096514
Schizophrenia	X5363.51	SEMA3E	7	82992554
Schizophrenia	X2992.59	IL17RA	22	17565844
Attention deficit hyperactivity disorder	X2635.61	LAYN	11	111411005
Major depressive disorder	X3378.49	KLK7	19	51479724
Major depressive disorder	X2834.54	KLK8	19	51499263
Major depressive disorder	X2968.61	TNFSF15	9	117546932
Major depressive disorder	X4459.68	PCSK7	11	117075053
Major depressive disorder	X3421.54	TNFSF8	9	117655623
Major depressive disorder	X2831.29	KLK11	19	51525472
Major depressive disorder	X4155.3	TNC	9	117781854
Major depressive disorder	X4187.49	PGD	1	10458649
Major depressive disorder	X3603.60	CLEC7A	12	10269376
Major depressive disorder	X3007.7	SIGLEC9	19	51628163
Major depressive disorder	X3212.30	ASAH2	10	51942538
Major depressive disorder	X2742.68	SIGLEC7	19	51645556
Major depressive disorder	X3166.92	CD33	19	51728320
Bipolar disorder	X3894.15	NAGK	2	71291474
Bipolar disorder	X4556.10	IL34	16	70613798
Major depressive disorder	X4407.10	MST1	3	49721380
Major depressive disorder	X3583.54	ARSA	22	51061182
Major depressive disorder	X2966.65	CLEC11A	19	51226621
Major depressive disorder	X4500.50	CLEC11A	19	51226621
Major depressive disorder	X3184.25	F7	13	113760102
Schizophrenia	X13125.45	VTN	17	26694305
Schizophrenia	X3007.7	SIGLEC9	19	51628163
Major depressive disorder	X13125.45	VTN	17	26694305
Bipolar disorder	X13125.45	VTN	17	26694305
Schizophrenia	X2780.35	LTF	3	46477136
Bipolar disorder	X3007.7	SIGLEC9	19	51628163
Anorexia nervosa	X2953.31	CGA	6	87795216
Anorexia nervosa	X2953.31	LHB	19	49519237
Schizophrenia	X3169.70	IDUA	4	980785
Schizophrenia	X3403.1	TPSB2	16	1277272
Schizophrenia	X4234.8	IL1RL1	2	102927962
Schizophrenia	X3627.71	MMEL1	1	2522078
Schizophrenia	X5430.66	SIRPA	20	1874813
Schizophrenia	X3446.7	IL18R1	2	102927989
Schizophrenia	X9172.69	MMP8	11	102582527
Schizophrenia	X5392.73	FAS	10	90750414
Schizophrenia	X2789.26	MMP7	11	102391239
Schizophrenia	X5125.6	SIGLEC14	19	52142731
Schizophrenia	X3212.30	ASAH2	10	51942538
Schizophrenia	X3633.70	NID2	14	52471527

Schizophrenia	X5491.12	SPOCK2	10	73818792
Schizophrenia	X3166.92	CD33	19	51728320
Major depressive disorder	X3054.3	HP	16	72088404
Schizophrenia	X3323.37	LRP8	1	53708036
Schizophrenia	X3431.54	EPHA1	7	143087382
Schizophrenia	X3647.49	TLR4	9	120466453
Schizophrenia	X3647.49	LY96	8	74903627
Major depressive disorder	X5491.12	SPOCK2	10	73818792
Schizophrenia	X2742.68	SIGLEC7	19	51645556
Schizophrenia	X2991.9	IL1R1	2	102681004
Schizophrenia	X5129.12	SCARF1	17	1537152
Schizophrenia	X2635.61	LAYN	11	111411005
Schizophrenia	X3457.57	POSTN	13	38136720
Schizophrenia	X8465.52	CTSH	15	79213400
Schizophrenia	X3172.28	ARSB	5	78073032
Bipolar disorder	X5430.66	SIRPA	20	1874813
Bipolar disorder	X5129.12	SCARF1	17	1537152
Anorexia nervosa	X3235.50	WFIKKN2	17	48912011
Schizophrenia	X3340.53	THBS4	5	79287134
Schizophrenia	X3195.50	GNLY	2	85912298
Anorexia nervosa	X5478.50	FOLH1	11	49166644
Schizophrenia	X4374.45	GDF15	19	18485541
Major depressive disorder	X3446.7	IL18R1	2	102927989
Anorexia nervosa	X4914.10	CGA	6	87795216
Anorexia nervosa	X4914.10	CGB3	19	49526126
Schizophrenia	X5810.25	TDGF1	3	46616024
Schizophrenia	X4192.10	AKR1A1	1	46016215
Schizophrenia	X4984.83	ESD	13	47345391
Major depressive disorder	X4234.8	IL1RL1	2	102927962
Schizophrenia	X4771.10	SMPDL3A	6	123110194
Schizophrenia	X3184.25	F7	13	113760102
Schizophrenia	X2831.29	KLK11	19	51525472
Schizophrenia	X3378.49	KLK7	19	51479724
Schizophrenia	X2834.54	KLK8	19	51499263
Schizophrenia	X5015.15	PLA2G7	6	46671938
Schizophrenia	X3313.21	FCN2	9	137772656
Schizophrenia	X3074.6	LBP	20	36974885
Bipolar disorder	X3074.6	LBP	20	36974885
Attention deficit hyperactivity disorder	X2953.31	CGA	6	87795216
Attention deficit hyperactivity disorder	X2953.31	LHB	19	49519237
Attention deficit hyperactivity disorder	X4914.10	CGA	6	87795216
Attention deficit hyperactivity disorder	X4914.10	CGB3	19	49526126
Schizophrenia	X3177.49	CA4	17	58227303
Bipolar disorder	X3627.71	MMEL1	1	2522078
Schizophrenia	X3054.3	HP	16	72088404

Schizophrenia	X9197.4	LGALS9	17	25956824
Schizophrenia	X9177.6	FAM3B	21	42676139
Bipolar disorder	X9197.4	LGALS9	17	25956824
Major depressive disorder	X9197.4	LGALS9	17	25956824
Schizophrenia	X9199.6	UBE2G2	21	46188495
Bipolar disorder	X5125.6	SIGLEC14	19	52142731
Bipolar disorder	X3633.70	NID2	14	52471527
Bipolar disorder	X3212.30	ASAH2	10	51942538
Attention deficit hyperactivity disorder	X3446.7	IL18R1	2	102927989
Bipolar disorder	X3166.92	CD33	19	51728320
Attention deficit hyperactivity disorder	X4234.8	IL1RL1	2	102927962
Bipolar disorder	X2742.68	SIGLEC7	19	51645556
Schizophrenia	X2888.49	C7	5	40909594
Major depressive disorder	X2991.9	IL1R1	2	102681004
Schizophrenia	X4479.14	SERPING1	11	57364860
Bipolar disorder	X3232.28	ACP5	19	11685468
Bipolar disorder	X3061.61	CTSB	8	11700033
Bipolar disorder	X7655.11	NPPB	1	11917521
Major depressive disorder	X7655.11	NPPB	1	11917521
Major depressive disorder	X3061.61	CTSB	8	11700033
Major depressive disorder	X3232.28	ACP5	19	11685468
Schizophrenia	X3173.49	NAAA	4	76834813
Major depressive disorder	X5125.6	SIGLEC14	19	52142731
Major depressive disorder	X3633.70	NID2	14	52471527
Anorexia nervosa	X3583.54	ARSA	22	51061182
Schizophrenia	X5834.18	IL9	5	135227935
Major depressive disorder	X3323.37	LRP8	1	53708036
Major depressive disorder	X9177.6	FAM3B	21	42676139
Schizophrenia	X2948.58	GHR	5	42423541
Schizophrenia	X4913.78	CCL16	17	34303529
Bipolar disorder	X4831.4	SELL	1	169659806
Bipolar disorder	X4154.57	SELP	1	169558087
Bipolar disorder	X4906.35	F5	1	169481189
Attention deficit hyperactivity disorder	X3316.58	SERPIND1	22	21128401
Schizophrenia	X3583.54	ARSA	22	51061182
Bipolar disorder	X4979.34	DPT	1	168664706
Attention deficit hyperactivity disorder	X3184.25	F7	13	113760102
Schizophrenia	X5036.50	TNFAIP6	2	152214106
Major depressive disorder	X2948.58	GHR	5	42423541
Schizophrenia	X5478.50	FOLH1	11	49166644
Bipolar disorder	X2834.54	KLK8	19	51499263
Bipolar disorder	X2831.29	KLK11	19	51525472
Bipolar disorder	X3195.50	GNLY	2	85912298
Bipolar disorder	X3378.49	KLK7	19	51479724
Schizophrenia	X2953.31	CGA	6	87795216

Schizophrenia	X2953.31	LHB	19	49519237
Schizophrenia	X4914.10	CGA	6	87795216
Schizophrenia	X4914.10	CGB3	19	49526126
Schizophrenia	X3044.3	CCL18	17	34391632
Major depressive disorder	X4914.10	CGA	6	87795216
Major depressive disorder	X4914.10	CGB3	19	49526126
Major depressive disorder	X2953.31	CGA	6	87795216
Major depressive disorder	X2953.31	LHB	19	49519237
Schizophrenia	X2900.53	CCL14	17	34310324
Schizophrenia	X4407.10	MST1	3	49721380
Schizophrenia	X3509.1	CCL15	17	34323476
Schizophrenia	X3617.80	HGFAC	4	3443695

ıental disorders

END	N_{SNP}	PP.H0	PP.H1	PP.H2	PP.H3
96184967	85006	<0.001	<0.001	<0.001	>0.999
157868046	41145	<0.001	<0.001	0.009	0.991
203242769	7706	<0.001	<0.001	0.009	0.991
113006306	66337	<0.001	<0.001	<0.001	>0.999
34540280	115488	<0.001	<0.001	0.001	0.998
117692875	64084	<0.001	<0.001	0.004	0.996
48919714	95531	<0.001	<0.001	0.002	0.998
10324737	107532	<0.001	<0.001	0.001	0.999
10324737	111193	<0.001	<0.001	<0.001	0.999
111432470	61994	<0.001	<0.001	<0.001	>0.999
10480568	108648	<0.001	<0.001	0.001	0.999
207119811	8622	<0.001	<0.001	0.002	0.998
113006306	68627	<0.001	<0.001	<0.001	0.999
85645555	89594	<0.001	<0.001	<0.001	0.999
72094954	82369	<0.001	<0.001	0.004	0.996
85645555	89825	<0.001	<0.001	<0.001	0.999
34540280	111071	<0.001	<0.001	0.001	0.998
156629324	38855	<0.001	<0.001	0.003	0.996
123130865	57582	<0.001	<0.001	0.006	0.993
11727042	107195	<0.001	<0.001	0.004	0.996
45412650	98127	<0.001	<0.001	0.002	0.998
72542254	90191	<0.001	0.001	<0.001	0.999
90775542	64826	<0.001	<0.001	0.004	0.996
14289679	120515	<0.001	0.001	<0.001	0.999
21142008	114961	<0.001	<0.001	0.005	0.995
45412650	94707	<0.001	<0.001	<0.001	0.999
34345009	116684	<0.001	<0.001	0.001	0.998
10397291	107941	<0.001	<0.001	0.001	0.999
66107242	96641	<0.001	<0.001	0.003	0.997
42729654	93268	<0.001	<0.001	0.005	0.995
11919002	105514	<0.001	<0.001	0.002	0.997
102651359	75671	<0.001	<0.001	<0.001	0.999
117880536	65262	<0.001	<0.001	0.003	0.996
38172981	111507	<0.001	<0.001	0.006	0.993
14164030	108833	<0.001	<0.001	0.009	0.991
196978808	13976	<0.001	0.002	0.003	0.995
143105949	35364	<0.001	<0.001	0.013	0.987
150390257	33675	<0.001	<0.001	0.015	0.985
1280185	111282	<0.001	<0.001	0.005	0.995
66107242	101238	<0.001	<0.001	0.009	0.990
72542254	93667	<0.001	0.001	<0.001	0.999
67354127	97758	<0.001	<0.001	0.005	0.994

3692234	122299	<0.001	<0.001	0.008	0.991
117568319	63505	<0.001	<0.001	0.005	0.995
48919714	92725	<0.001	<0.001	0.005	0.995
53794141	106588	<0.001	<0.001	<0.001	>0.999
49726934	86810	<0.001	<0.001	<0.001	0.999
17596583	105186	<0.001	<0.001	0.022	0.978
157868046	41928	<0.001	<0.001	0.013	0.987
51228965	88336	<0.001	<0.001	0.007	0.993
51228965	88336	<0.001	<0.001	0.007	0.993
136324524	38690	<0.001	0.004	<0.001	0.995
157868046	39455	<0.001	<0.001	0.010	0.989
47371555	93692	<0.001	<0.001	0.007	0.992
10480568	108242	<0.001	<0.001	<0.001	0.999
140009629	38858	<0.001	<0.001	0.011	0.988
14289679	124310	<0.001	<0.001	0.010	0.989
7812450	108164	<0.001	<0.001	0.011	0.988
150486265	34058	<0.001	<0.001	0.001	0.998
7767032	108712	<0.001	<0.001	0.011	0.988
81606399	99613	<0.001	<0.001	0.009	0.990
70694585	96316	<0.001	<0.001	0.016	0.983
81115090	91495	<0.001	<0.001	0.011	0.988
90775542	70438	<0.001	<0.001	0.021	0.979
154441926	38657	<0.001	<0.001	0.040	0.959
6655216	118844	<0.001	<0.001	0.012	0.987
34683725	111793	<0.001	<0.001	0.001	0.998
204159452	8084	<0.001	0.005	0.009	0.985
998352	104678	<0.001	<0.001	0.012	0.987
85925975	84295	<0.001	<0.001	0.011	0.989
51639908	79440	<0.001	<0.001	0.018	0.981
83016674	98098	<0.001	<0.001	0.034	0.965
120354203	66000	<0.001	0.001	0.017	0.982
72542254	81436	<0.001	0.001	0.007	0.991
168698444	36093	<0.001	<0.001	0.034	0.965
79241916	98434	<0.001	<0.001	0.012	0.988
149535435	31533	<0.001	<0.001	0.014	0.985
19984949	119347	<0.001	0.003	<0.001	0.997
7767032	109229	<0.001	<0.001	0.016	0.983
37005655	107781	<0.001	<0.001	0.005	0.994
196978808	13557	<0.001	0.002	0.041	0.956
9147317	103006	<0.001	<0.001	0.020	0.979
34328592	111796	<0.001	<0.001	0.011	0.988
51531295	78778	<0.001	<0.001	0.012	0.987
81399754	95495	<0.001	<0.001	0.010	0.989
137779369	42537	<0.001	<0.001	0.039	0.960
76352136	103996	<0.001	<0.001	0.018	0.981

169555826	36709	<0.001	<0.001	0.003	0.996
7812450	108668	<0.001	<0.001	0.016	0.983
70694585	88099	<0.001	<0.001	0.002	0.997
205047417	8677	<0.001	<0.001	0.206	0.793
117103241	64181	<0.001	<0.001	0.005	0.994
65780976	85687	<0.001	<0.001	0.003	0.996
76862166	102918	<0.001	<0.001	0.019	0.980
236716281	11021	<0.001	<0.001	0.117	0.881
152236560	36506	<0.001	<0.001	0.024	0.975
10397291	111577	<0.001	<0.001	<0.001	0.998
58652561	92862	<0.001	<0.001	<0.001	0.998
83016674	93534	<0.001	<0.001	0.022	0.977
160534539	35511	<0.001	<0.001	0.119	0.880
66107242	97054	<0.001	<0.001	0.025	0.974
34308533	111923	<0.001	<0.001	0.011	0.988
93525935	114320	<0.001	<0.001	0.031	0.967
166419699	37340	<0.001	0.001	0.007	0.991
83278455	102702	<0.001	<0.001	0.024	0.975
117103241	59176	<0.001	<0.001	0.053	0.946
75616173	93903	<0.001	<0.001	0.037	0.961
278283	63622	<0.001	<0.001	0.041	0.957
51066601	81176	<0.001	<0.001	0.012	0.986
170615653	31879	<0.001	0.017	0.002	0.979
78281910	112122	<0.001	<0.001	0.017	0.981
1921238	109871	<0.001	<0.001	0.066	0.932
34732170	110298	<0.001	<0.001	0.011	0.987
117568319	63223	<0.001	<0.001	0.034	0.964
76862166	99243	<0.001	<0.001	0.040	0.958
76352136	100797	<0.001	<0.001	0.027	0.971
149535435	28433	<0.001	<0.001	0.155	0.843
51487355	78954	<0.001	<0.001	0.012	0.985
1280185	81799	<0.001	<0.001	0.043	0.955
38172981	106364	<0.001	<0.001	0.032	0.966
161648444	34336	<0.001	<0.001	0.002	0.996
102796334	72944	<0.001	<0.001	0.058	0.939
113774999	62521	<0.001	<0.001	0.031	0.967
113006306	64003	<0.001	<0.001	0.032	0.966
69748014	87498	<0.001	<0.001	0.059	0.938
34399392	111543	<0.001	<0.001	0.011	0.987
998352	75493	<0.001	<0.001	0.056	0.942
14880574	99594	<0.001	<0.001	0.024	0.973
73848790	89039	<0.001	<0.001	0.051	0.946
154441926	38761	<0.001	<0.001	0.004	0.993
65780976	89508	<0.001	<0.001	0.026	0.972
204159452	9080	0.001	0.004	0.217	0.775

74538040	95507	<0.001	0.007	<0.001	0.990
19984949	106961	<0.001	0.002	0.002	0.993
203155832	8750	<0.001	<0.001	0.904	0.093
74538040	99374	<0.001	0.007	<0.001	0.990
203242769	8929	<0.001	<0.001	0.902	0.095
5470566	108569	<0.001	<0.001	0.053	0.944
161648444	36669	<0.001	<0.001	0.057	0.941
34314040	111799	<0.001	<0.001	0.011	0.986
14889372	101182	<0.001	<0.001	0.025	0.972
67354127	93084	<0.001	<0.001	0.060	0.937
54785039	114043	<0.001	<0.001	0.099	0.898
45412650	84209	<0.001	<0.001	0.026	0.970
6655216	104433	<0.001	<0.001	0.051	0.946
81606399	103966	<0.001	<0.001	0.033	0.964
7812450	95056	<0.001	<0.001	0.043	0.954
76352136	100388	<0.001	<0.001	0.041	0.956
161648444	35717	<0.001	<0.001	0.146	0.851
96143803	78787	<0.001	<0.001	0.039	0.958
949920	102361	<0.001	0.010	<0.001	0.987
236716281	12150	<0.001	<0.001	0.384	0.613
76862166	95819	<0.001	<0.001	0.030	0.967
5870551	121342	<0.001	<0.001	0.039	0.958
70499083	90685	<0.001	0.010	0.004	0.982
51505967	78933	<0.001	<0.001	0.012	0.984
79379110	100230	<0.001	<0.001	0.012	0.985
78281910	116172	<0.001	<0.001	0.021	0.975
43788779	102308	<0.001	0.006	0.002	0.989
69518790	87553	<0.001	<0.001	0.063	0.934
54785039	104012	<0.001	<0.001	0.017	0.979
190377539	25031	<0.001	<0.001	0.183	0.813
153522612	38488	<0.001	0.012	<0.001	0.985
153522612	38374	<0.001	0.011	0.022	0.963
6655216	119427	<0.001	<0.001	0.048	0.948
54318499	108168	<0.001	0.012	<0.001	0.984
161648444	32271	<0.001	<0.001	0.247	0.749
152236560	37705	<0.001	<0.001	0.387	0.609
205047417	9463	<0.001	<0.001	0.589	0.407
236228409	12806	0.001	0.001	0.396	0.599
81606399	99057	<0.001	<0.001	0.013	0.983
88904684	67673	<0.001	0.015	<0.001	0.981
203155832	8468	<0.001	<0.001	0.685	0.311
236228409	10996	0.001	<0.001	0.660	0.335
81399754	94911	<0.001	<0.001	0.013	0.982
23314727	105565	<0.001	<0.001	0.082	0.914
2564455	115455	<0.001	<0.001	0.061	0.935

187210835	22870	0.002	0.005	0.223	0.766
150486265	33829	<0.001	<0.001	0.015	0.981
120487013	37454	<0.001	<0.001	0.086	0.909
74941314	37454	<0.001	<0.001	0.086	0.909
166419699	38867	<0.001	<0.001	0.458	0.537
48919714	84022	<0.001	<0.001	0.072	0.924
96184967	82309	<0.001	<0.001	0.040	0.955
236228409	13135	0.001	<0.001	0.816	0.178
49726934	84875	<0.001	<0.001	0.013	0.982
1921238	88673	<0.001	<0.001	0.066	0.929
88904684	79168	<0.001	0.015	<0.001	0.981
683392	86992	<0.001	<0.001	0.051	0.944
93525935	105369	<0.001	<0.001	0.016	0.980
207119811	7769	<0.001	<0.001	0.805	0.191
7536700	111268	<0.001	0.006	0.013	0.976
57386644	97899	<0.001	<0.001	0.082	0.914
93525935	120367	<0.001	<0.001	0.157	0.838
150390257	30660	<0.001	<0.001	0.162	0.833
48919714	92330	<0.001	<0.001	0.007	0.988
204159452	9352	0.004	<0.001	0.892	0.098
203432474	9438	0.392	0.045	0.502	0.057
150738433	31932	<0.001	<0.001	0.166	0.829
51066601	89550	<0.001	<0.001	0.078	0.917
43788779	101773	<0.001	0.006	<0.001	0.989
117692875	63801	<0.001	<0.001	0.033	0.963
1549038	106965	<0.001	<0.001	0.064	0.931
278283	43740	<0.001	<0.001	0.066	0.929
117880536	60409	<0.001	<0.001	0.060	0.935
34345009	111712	<0.001	<0.001	0.011	0.984
150038751	33336	<0.001	0.028	0.001	0.966
196978808	12094	<0.001	0.001	0.270	0.724
46703430	98000	<0.001	<0.001	0.152	0.843
88452213	82955	<0.001	0.017	<0.001	0.978
43867324	101308	<0.001	0.013	<0.001	0.982
218617961	11638	0.484	0.051	0.416	0.044
160724611	30307	<0.001	<0.001	0.243	0.752
28682485	99746	<0.001	0.018	<0.001	0.977
34683725	111292	<0.001	<0.001	0.011	0.984
161601753	34316	<0.001	0.032	0.002	0.961
117692875	59331	<0.001	<0.001	0.060	0.934
160534539	32028	<0.001	<0.001	0.253	0.742
161648444	34216	<0.001	<0.001	0.307	0.687
207119811	8910	<0.001	<0.001	0.677	0.317
149535435	32726	<0.001	<0.001	0.565	0.429
161601753	35692	0.005	0.029	0.139	0.821

70499083	99005	<0.001	0.011	<0.001	0.983
96143803	84599	<0.001	<0.001	0.261	0.733
160724611	33442	<0.001	<0.001	0.114	0.880
166419699	37517	<0.001	0.001	0.065	0.928
203155832	8904	<0.001	<0.001	0.747	0.247
203242769	8574	<0.001	<0.001	0.745	0.249
102968497	74453	<0.001	<0.001	0.169	0.825
140009629	33525	<0.001	<0.001	0.285	0.710
53794141	101559	<0.001	<0.001	0.017	0.977
224904035	11159	0.490	0.061	0.394	0.049
186462199	21605	<0.001	0.084	0.001	0.910
102651359	69800	<0.001	<0.001	0.127	0.866
58652561	88495	<0.001	<0.001	0.046	0.948
949920	101872	<0.001	0.010	0.025	0.959
33625190	120091	<0.001	0.011	<0.001	0.983
103015237	76526	<0.001	<0.001	0.167	0.827
117880536	64985	<0.001	<0.001	0.030	0.963
236228409	12762	0.001	<0.001	0.778	0.214
236716281	12087	<0.001	<0.001	0.821	0.173
51228965	88031	<0.001	<0.001	0.075	0.919
51228965	88031	<0.001	<0.001	0.075	0.919
1280185	103180	<0.001	<0.001	0.063	0.931
25976586	113686	<0.001	<0.001	0.058	0.936
6500737	117530	<0.001	0.003	0.047	0.943
57400101	97564	<0.001	0.018	<0.001	0.975
203242769	8636	<0.001	<0.001	0.675	0.319
203155832	7777	<0.001	<0.001	0.681	0.312
137779369	45308	<0.001	<0.001	0.190	0.803
9147317	119574	<0.001	<0.001	0.297	0.697
46526724	98192	<0.001	<0.001	0.293	0.700
117568319	58734	<0.001	<0.001	0.059	0.934
54318499	111813	0.001	0.011	0.064	0.918
96143803	81066	<0.001	<0.001	0.123	0.870
150390257	35070	<0.001	<0.001	0.555	0.438
125933230	68569	<0.001	<0.001	0.158	0.835
123130865	53857	<0.001	<0.001	0.100	0.894
205047417	9933	<0.001	<0.001	0.687	0.306
45412650	94309	<0.001	<0.001	0.103	0.890
220115059	9615	0.485	0.093	0.349	0.067
202094151	9971	0.364	0.091	0.431	0.107
220115059	8574	0.512	0.102	0.317	0.063
143105949	31327	<0.001	<0.001	0.278	0.715
236716281	12453	<0.001	<0.001	0.871	0.122
128077046	68355	<0.001	0.010	0.044	0.939
95060274	108100	<0.001	0.014	0.017	0.962

150738433	36263	<0.001	<0.001	0.462	0.531
183731365	23769	<0.001	<0.001	0.617	0.376
135231530	43328	<0.001	<0.001	0.335	0.658
156213108	38599	<0.001	<0.001	0.631	0.361
5870551	106505	<0.001	<0.001	0.052	0.941
7767032	112000	<0.001	<0.001	0.257	0.735
207119811	8225	<0.001	<0.001	0.655	0.337
236228409	13639	0.001	0.001	0.665	0.326
187210835	23941	0.006	0.001	0.849	0.137
55279321	121784	<0.001	<0.001	0.097	0.896
14889372	104476	<0.001	<0.001	0.336	0.656
196978808	13474	0.001	0.001	0.407	0.584
83278455	107554	<0.001	<0.001	0.034	0.958
33625190	119543	<0.001	0.011	0.011	0.970
156213108	37444	<0.001	<0.001	0.365	0.627
76352136	96010	<0.001	<0.001	0.030	0.962
207119811	8371	<0.001	<0.001	0.605	0.387
90775542	73892	<0.001	<0.001	0.433	0.559
43788779	93365	<0.001	0.005	<0.001	0.987
81399754	99618	<0.001	<0.001	0.189	0.803
67354127	86826	<0.001	<0.001	0.185	0.807
156569880	40767	<0.001	<0.001	0.610	0.383
9987097	108644	<0.001	<0.001	0.297	0.695
88452213	71301	<0.001	0.014	<0.001	0.978
46623947	96648	<0.001	<0.001	0.285	0.707
21142008	119183	<0.001	<0.001	0.287	0.705
21142008	115223	<0.001	<0.001	0.137	0.855
102796334	78587	<0.001	<0.001	0.205	0.786
187210835	21103	0.005	0.001	0.759	0.226
102401481	70106	<0.001	<0.001	0.107	0.885
58248260	92819	<0.001	<0.001	0.074	0.918
74538040	95032	0.001	0.006	0.078	0.907
217560272	12263	0.457	0.100	0.357	0.078
54785039	109505	<0.001	<0.001	0.127	0.865
137779369	42842	<0.001	<0.001	0.808	0.183
236716281	10286	<0.001	<0.001	0.643	0.349
157868046	36405	<0.001	<0.001	0.473	0.518
186462199	20548	0.003	0.077	0.035	0.876
230881322	12589	0.465	0.090	0.366	0.071
150038751	30033	0.004	0.021	0.156	0.810
188430487	26458	0.134	0.026	0.694	0.136
51656783	79697	<0.001	0.003	0.019	0.969
67354127	93480	<0.001	<0.001	0.184	0.807
949920	73207	0.001	0.008	0.074	0.908
58248260	88254	<0.001	<0.001	0.047	0.944

186462199	22522	0.071	0.015	0.746	0.158
203155832	8411	<0.001	<0.001	0.765	0.226
220115059	9257	0.457	0.128	0.317	0.089
68647384	92381	<0.001	<0.001	0.094	0.897
150486265	35185	<0.001	<0.001	0.459	0.531
207077484	7614	0.505	0.118	0.298	0.069
96184967	88321	<0.001	<0.001	0.258	0.732
55540603	118210	<0.001	<0.001	0.133	0.857
3451213	96533	<0.001	<0.001	0.123	0.867
68647384	89927	<0.001	<0.001	0.118	0.873
34540280	110571	<0.001	<0.001	0.011	0.979
46221741	98227	<0.001	<0.001	0.323	0.667
11690808	106104	<0.001	<0.001	0.004	0.986
207560149	8981	0.223	0.064	0.545	0.157
217529159	12359	0.438	0.096	0.374	0.082
49230190	87156	<0.001	<0.001	0.058	0.932
54318499	101343	<0.001	0.011	0.017	0.963
220115059	9798	0.448	0.121	0.331	0.090
204159452	9037	0.004	0.002	0.665	0.320
205047417	9844	<0.001	<0.001	0.501	0.488
170615653	32912	0.015	0.002	0.844	0.128
102401481	79508	<0.001	<0.001	0.280	0.710
202094151	8909	0.368	0.107	0.399	0.116
57400101	93326	0.001	0.016	0.057	0.915
47371555	83566	<0.001	<0.001	0.148	0.842
137779369	35681	<0.001	<0.001	0.578	0.411
40984745	103420	<0.001	<0.001	0.077	0.913
88904684	76852	<0.001	0.017	<0.001	0.973
58248260	97397	<0.001	<0.001	0.169	0.820
102597781	70346	<0.001	<0.001	0.127	0.862
46623947	93383	<0.001	<0.001	0.213	0.776
69748014	87183	<0.001	<0.001	<0.001	0.989
68647384	89583	<0.001	<0.001	0.205	0.784
202094151	10101	0.335	0.119	0.395	0.141
236228409	11627	<0.001	0.001	0.122	0.866
203242769	7939	<0.001	<0.001	0.674	0.315
143105949	34400	<0.001	<0.001	0.346	0.643
203242769	9078	<0.001	<0.001	0.743	0.246
160549306	32452	<0.001	0.065	0.001	0.923
78281910	102588	<0.001	<0.001	0.211	0.778
207560149	10184	0.159	0.103	0.442	0.285
190377539	22978	<0.001	<0.001	0.700	0.288
203432474	9577	0.324	0.109	0.417	0.140
183731365	20516	<0.001	<0.001	0.667	0.321
17596583	91028	<0.001	<0.001	0.126	0.863

224904035	10078	0.416	0.137	0.328	0.108
166419699	34882	<0.001	<0.001	0.510	0.477
111432470	64940	<0.001	<0.001	0.449	0.539
65780976	86077	<0.001	<0.001	0.022	0.967
150038751	34419	0.019	0.008	0.683	0.278
15739936	99499	<0.001	<0.001	0.454	0.535
88452213	80816	<0.001	0.016	<0.001	0.972
46703430	82724	<0.001	<0.001	0.274	0.714
18499986	108736	<0.001	<0.001	0.205	0.783
207560149	9660	0.035	0.239	0.092	0.622
203432474	9056	0.317	0.126	0.389	0.155
204159452	9475	0.004	0.001	0.769	0.215
278283	63302	<0.001	<0.001	0.237	0.752
196721606	14951	0.075	0.091	0.371	0.452
207042568	7519	0.479	0.109	0.326	0.074
187179625	24324	0.008	0.001	0.843	0.136
14889372	90764	<0.001	<0.001	0.255	0.733
153522612	39861	0.007	0.005	0.538	0.438
207016326	7586	0.418	0.097	0.384	0.089
196978808	12493	0.002	0.001	0.613	0.372
220115059	9314	0.359	0.222	0.251	0.155
683392	86585	<0.001	<0.001	0.263	0.724
198381461	8611	0.365	0.214	0.258	0.151
207560149	9428	0.171	0.099	0.453	0.264
81115090	96101	<0.001	<0.001	0.195	0.793
168698444	32569	<0.001	<0.001	0.703	0.285
154441926	40075	<0.001	<0.001	0.813	0.175
230881322	11164	0.436	0.122	0.335	0.094
204738688	8955	0.401	0.140	0.330	0.115
161601753	32251	0.008	0.023	0.238	0.719
11919002	94245	<0.001	<0.001	0.263	0.725
204738688	9960	0.381	0.132	0.352	0.122
85645555	83960	<0.001	<0.001	0.210	0.777
196721606	15528	0.001	0.167	0.003	0.816
157868046	39334	<0.001	<0.001	0.651	0.336
207077484	8076	0.406	0.202	0.253	0.126
54318499	107728	0.001	0.010	0.111	0.865
156629324	35986	<0.001	<0.001	0.454	0.533
187463513	24554	0.459	0.076	0.387	0.064
46221741	94695	<0.001	<0.001	0.203	0.784
216300796	11187	0.377	0.168	0.305	0.136
187210835	24431	0.005	0.002	0.675	0.305
190377539	24964	<0.001	<0.001	0.433	0.554
6655216	122706	<0.001	<0.001	0.544	0.443
87804824	44365	<0.001	<0.001	0.319	0.668

49527590	44365	<0.001	<0.001	0.319	0.668
87804824	44356	<0.001	<0.001	0.317	0.670
49520348	44356	<0.001	<0.001	0.317	0.670
196721606	14180	0.052	0.104	0.278	0.553
6500737	102704	<0.001	0.003	0.049	0.935
998352	96514	<0.001	<0.001	0.488	0.498
14889372	100662	<0.001	<0.001	0.274	0.713
96143803	75113	<0.001	<0.001	0.310	0.677
186462199	19344	0.060	0.016	0.720	0.191
187179625	23232	0.003	0.008	0.242	0.734
207042568	7987	0.388	0.187	0.278	0.134
198381461	9859	0.372	0.170	0.305	0.139
206332221	7535	0.435	0.169	0.276	0.107
55549632	113314	<0.001	<0.001	0.130	0.857
203432474	9124	0.285	0.155	0.353	0.192
216300796	10663	0.333	0.190	0.295	0.168
120354203	63268	<0.001	<0.001	0.328	0.658
18499986	93874	<0.001	<0.001	0.136	0.849
207042568	8644	0.379	0.175	0.296	0.137
9147317	107738	<0.001	<0.001	0.149	0.837
204159452	8310	0.004	0.001	0.756	0.225
216300796	11187	0.360	0.161	0.321	0.144
207077484	8742	0.400	0.185	0.274	0.127
55149473	112502	<0.001	<0.001	0.097	0.889
169680843	36021	<0.001	<0.001	0.798	0.187
187179625	24828	0.006	0.003	0.674	0.303
216300796	11187	0.375	0.168	0.306	0.137
207016326	8704	0.331	0.155	0.340	0.159
216300796	10663	0.348	0.198	0.280	0.160
170615653	28998	0.012	0.003	0.751	0.219
216300796	10663	0.349	0.199	0.279	0.159
218617961	11332	0.431	0.100	0.369	0.086
150038751	33139	<0.001	0.027	0.014	0.944
203432474	8342	0.308	0.150	0.354	0.173
187210835	22008	0.005	0.002	0.706	0.273
55991762	114081	0.001	0.013	0.082	0.890
150738433	35318	<0.001	<0.001	0.001	0.985
85925975	93915	<0.001	<0.001	0.569	0.416
204738688	9852	0.273	0.241	0.250	0.221
202094151	9596	0.097	0.362	0.111	0.414
218617961	11831	0.402	0.129	0.344	0.110
206332221	7143	0.411	0.205	0.247	0.123
108960832	69155	0.003	0.019	0.125	0.838
14880574	102822	<0.001	<0.001	0.330	0.655
58652561	96933	<0.001	<0.001	0.172	0.812

14289679	108433	<0.001	<0.001	0.295	0.690
19984949	118866	<0.001	0.002	0.045	0.938
2496821	117235	<0.001	0.047	<0.001	0.938
2496821	116611	<0.001	0.046	<0.001	0.939
46526724	83551	<0.001	<0.001	0.377	0.607
217560272	12472	0.415	0.140	0.321	0.109
152236560	38862	<0.001	<0.001	0.312	0.672
169680843	32220	<0.001	<0.001	0.712	0.273
230881322	12060	0.337	0.215	0.264	0.168
183731365	24304	<0.001	<0.001	0.548	0.436
217529159	12554	0.398	0.134	0.338	0.114
11727042	95874	<0.001	<0.001	0.274	0.711
135231530	48459	<0.001	<0.001	0.642	0.343
196721606	15037	0.008	0.158	0.039	0.780
34683725	101247	<0.001	<0.001	0.294	0.690
186339107	21979	0.477	0.076	0.372	0.059
46623947	81551	<0.001	<0.001	0.368	0.616
187179625	22407	0.006	0.002	0.702	0.274
95060274	112508	0.001	0.014	0.063	0.907
11690808	95026	<0.001	<0.001	0.278	0.705
6500737	120881	0.002	0.001	0.538	0.443
169555826	37613	<0.001	<0.001	0.793	0.190
190377539	23889	<0.001	<0.001	0.671	0.313
10397291	96986	<0.001	<0.001	0.340	0.644
183731365	21709	<0.001	<0.001	0.617	0.367
190377539	26054	<0.001	<0.001	0.059	0.924
120487013	34285	<0.001	<0.001	0.318	0.666
74941314	34285	<0.001	<0.001	0.318	0.666
7812450	100748	<0.001	<0.001	0.192	0.792
217560272	10930	0.364	0.194	0.277	0.148
230881322	12729	0.386	0.165	0.303	0.130
81115090	84919	<0.001	<0.001	0.352	0.632
161648444	34122	<0.001	<0.001	0.688	0.295
186462199	21474	0.002	0.081	0.021	0.881
154441926	34930	<0.001	<0.001	0.653	0.330
217560272	11294	0.261	0.298	0.198	0.226
224904035	11397	0.377	0.169	0.301	0.135
85645555	93365	<0.001	<0.001	0.763	0.220
69518790	89663	<0.001	<0.001	0.569	0.414
19984949	123567	0.001	0.001	0.563	0.417
207016326	8175	0.306	0.191	0.299	0.187
51747115	81482	<0.001	<0.001	0.045	0.939
161601753	36654	0.001	0.023	0.054	0.904
1549038	85910	<0.001	<0.001	0.045	0.938
207016326	8053	0.352	0.149	0.339	0.143

46035721	98554	<0.001	<0.001	0.321	0.662
185571216	20383	0.319	0.171	0.321	0.172
149535435	30040	<0.001	<0.001	0.639	0.344
128077046	62105	0.004	0.005	0.434	0.539
136324524	39371	0.003	0.001	0.785	0.193
156569880	36563	<0.001	<0.001	0.453	0.530
186576252	19332	0.431	0.114	0.346	0.091
102645006	77052	<0.001	0.034	<0.001	0.949
96184967	78496	<0.001	<0.001	0.316	0.666
216300796	11355	0.316	0.229	0.254	0.184
55427508	112570	<0.001	<0.001	0.149	0.833
33625190	125013	0.007	0.004	0.600	0.371
152236560	35679	<0.001	<0.001	0.454	0.528
75616173	97189	<0.001	<0.001	0.006	0.976
187388182	24021	0.472	0.078	0.371	0.061
136324524	38479	0.002	0.002	0.512	0.467
207560149	9625	0.102	0.171	0.265	0.444
196978808	14508	0.001	0.001	0.647	0.334
206332221	8367	0.360	0.211	0.259	0.152
217529159	11390	0.250	0.283	0.210	0.238
166419699	39690	<0.001	<0.001	0.551	0.430
170615653	30765	0.010	0.006	0.629	0.337
156213108	36131	<0.001	<0.001	0.655	0.327
186576252	22377	0.445	0.094	0.367	0.077
83278455	96538	<0.001	<0.001	0.258	0.724
217529159	11032	0.348	0.185	0.293	0.156
88904684	76546	0.002	0.014	0.129	0.837
218617961	10850	0.357	0.174	0.303	0.148
867884	96894	0.002	0.019	0.091	0.870
202094151	9186	0.314	0.152	0.347	0.168
67517450	98384	<0.001	0.036	0.005	0.941
120354203	58949	<0.001	<0.001	0.296	0.685
135399507	48454	0.071	0.020	0.696	0.195
196721606	16108	0.109	0.061	0.521	0.290
43867324	100794	<0.001	0.012	<0.001	0.969
93525935	110085	<0.001	<0.001	0.203	0.779
216300796	11355	0.301	0.218	0.268	0.194
216300796	11355	0.314	0.227	0.255	0.185
33625190	109033	0.002	0.008	0.157	0.814
96184967	84624	<0.001	<0.001	0.120	0.861
169599431	33259	<0.001	<0.001	0.713	0.268
88904684	72750	0.002	0.011	0.184	0.784
187210835	22750	0.004	0.002	0.642	0.333
143105949	32868	<0.001	<0.001	0.465	0.516
57400101	101738	0.004	0.015	0.183	0.779

136324524	32986	0.001	0.002	0.390	0.588
160549306	30481	0.015	0.047	0.226	0.693
190377539	26921	<0.001	<0.001	0.637	0.343
3692234	121489	<0.001	<0.001	0.320	0.660
120354203	63007	<0.001	<0.001	0.361	0.620
90775542	67901	<0.001	<0.001	0.420	0.561
206332221	7871	0.320	0.265	0.216	0.179
150486265	36148	<0.001	<0.001	0.633	0.347
213403565	17185	0.403	0.136	0.331	0.111
34399392	101368	<0.001	<0.001	0.265	0.715
206332221	7885	0.191	0.394	0.129	0.267
185571216	17602	0.338	0.150	0.341	0.151
187545628	22788	0.071	0.119	0.295	0.495
124620265	22788	0.071	0.119	0.295	0.495
43788779	102308	<0.001	0.006	<0.001	0.975
55540603	123245	<0.001	<0.001	0.643	0.338
186339107	18795	0.439	0.119	0.332	0.090
220115059	8847	0.352	0.248	0.223	0.157
187179625	21436	0.007	0.002	0.759	0.212
83016674	88052	<0.001	<0.001	0.318	0.662
216300796	10187	0.149	0.401	0.116	0.314
5470566	127017	<0.001	<0.001	0.722	0.258
14880574	99078	<0.001	<0.001	0.269	0.711
76862166	90505	<0.001	<0.001	0.222	0.758
186370930	22115	0.456	0.073	0.389	0.062
3692234	99788	<0.001	<0.001	0.125	0.855
202094151	9656	<0.001	0.456	<0.001	0.524
81399754	88166	<0.001	<0.001	0.386	0.594
41283395	104762	<0.001	0.049	<0.001	0.931
70499083	101374	0.006	0.005	0.534	0.435
230881322	11671	0.334	0.221	0.256	0.169
169680843	36621	<0.001	<0.001	0.645	0.335
57400101	97173	0.001	0.017	0.079	0.883
217529159	11995	0.127	0.404	0.107	0.341
187009768	21063	0.383	0.107	0.383	0.107
207077484	8211	0.364	0.231	0.235	0.149
46035721	94951	<0.001	<0.001	0.201	0.778
15739936	96386	<0.001	<0.001	0.422	0.558
217529159	12062	0.228	0.303	0.192	0.256
168698444	34139	<0.001	<0.001	0.717	0.263
3692234	121723	<0.001	<0.001	0.395	0.584
43867324	92462	<0.001	0.062	<0.001	0.917
169680843	33863	<0.001	<0.001	0.672	0.307
198381461	9371	<0.001	0.551	<0.001	0.428
168698444	37992	<0.001	<0.001	0.638	0.341

21167130	114702	<0.001	0.044	0.004	0.931
156629324	38761	<0.001	<0.001	0.671	0.308
170881958	31759	0.445	0.090	0.370	0.075
79379110	104597	<0.001	<0.001	0.691	0.288
156629324	40970	<0.001	<0.001	0.473	0.506
71306938	98825	<0.001	<0.001	0.647	0.332
125933230	66312	<0.001	<0.001	0.198	0.781
58652561	84616	<0.001	<0.001	0.278	0.701
55549632	118108	<0.001	<0.001	0.646	0.333
7767032	101454	<0.001	<0.001	0.192	0.787
5870551	124777	<0.001	<0.001	0.691	0.288
188430487	22779	0.072	0.072	0.417	0.417
187009768	24040	0.412	0.076	0.413	0.077
187545628	21338	0.023	0.138	0.116	0.702
124620265	21338	0.023	0.138	0.116	0.702
188430487	25070	0.097	0.056	0.524	0.302
186462199	23154	0.059	0.028	0.601	0.290
14880574	89298	<0.001	<0.001	0.249	0.729
154441926	41134	<0.001	<0.001	0.685	0.294
217560272	11962	0.235	0.316	0.182	0.245
117103241	63950	<0.001	<0.001	0.354	0.624
207119811	8400	<0.001	<0.001	0.158	0.819
78281910	108758	<0.001	<0.001	0.303	0.675
136324524	36109	0.001	0.002	0.347	0.627
51639908	83496	<0.001	<0.001	0.367	0.611
166419699	36557	0.001	<0.001	0.717	0.260
150038751	35458	0.017	0.009	0.627	0.325
152236560	33235	<0.001	<0.001	0.734	0.243
216300796	10187	0.140	0.379	0.124	0.334
102645006	71069	0.004	0.027	0.123	0.823
156569880	39401	<0.001	<0.001	0.612	0.365
203432474	8122	0.004	0.454	0.005	0.513
187545628	22067	0.198	0.099	0.454	0.226
124620265	22067	0.198	0.099	0.454	0.226
218617961	10605	0.359	0.170	0.303	0.144
102796334	83867	<0.001	<0.001	0.267	0.709
43537173	13502	0.113	0.409	0.098	0.357
1303516	13502	0.113	0.409	0.098	0.357
75988308	13502	0.113	0.409	0.098	0.357
32353590	13502	0.113	0.409	0.098	0.357
9771126	13502	0.113	0.409	0.098	0.357
101965616	13502	0.113	0.409	0.098	0.357
27190947	13502	0.113	0.409	0.098	0.357
6500737	116939	0.001	0.002	0.366	0.608
204738688	9462	0.307	0.213	0.269	0.187

2564455	106791	<0.001	<0.001	0.298	0.678
108960832	63423	0.008	0.012	0.390	0.565
216300796	10187	0.147	0.398	0.117	0.315
23314727	110257	<0.001	<0.001	0.302	0.675
186370930	18934	0.419	0.113	0.350	0.094
43537173	12814	<0.001	0.505	<0.001	0.472
1303516	12814	<0.001	0.505	<0.001	0.472
75988308	12814	<0.001	0.505	<0.001	0.472
32353590	12814	<0.001	0.505	<0.001	0.472
9771126	12814	<0.001	0.505	<0.001	0.472
101965616	12814	<0.001	0.505	<0.001	0.472
27190947	12814	<0.001	0.505	<0.001	0.472
123130865	61065	<0.001	<0.001	0.410	0.566
88452213	80513	0.005	0.011	0.310	0.650
102651359	79042	<0.001	<0.001	0.310	0.666
34540280	100487	<0.001	<0.001	0.288	0.688
161601753	34095	0.016	0.007	0.664	0.288
188430487	25205	0.035	0.118	0.187	0.636
102968497	72482	<0.001	<0.001	0.451	0.524
169654145	36696	0.159	0.037	0.630	0.148
70694585	92309	<0.001	<0.001	0.049	0.927
216300796	10769	0.017	0.524	0.013	0.421
123130865	59921	<0.001	<0.001	0.638	0.337
216300796	9730	0.061	0.465	0.052	0.396
198381461	9303	0.013	0.537	0.010	0.414
216300796	10769	0.017	0.522	0.013	0.423
160534539	33970	<0.001	<0.001	0.472	0.503
207077484	8237	0.097	0.495	0.063	0.321
79241916	102791	<0.001	<0.001	0.690	0.284
213403565	19196	0.388	0.145	0.322	0.120
224904035	10584	0.211	0.334	0.167	0.263
190927455	18827	0.259	0.156	0.349	0.211
123130865	56008	<0.001	<0.001	0.565	0.410
2496821	93774	0.002	0.038	0.053	0.881
216300796	9730	0.064	0.488	0.049	0.373
157868046	38526	<0.001	<0.001	0.600	0.374
188430487	26960	0.114	0.044	0.590	0.227
49726934	94423	<0.001	<0.001	0.248	0.726
21167130	118950	0.013	0.032	0.271	0.659
8439254	93275	0.001	0.075	0.016	0.881
103015237	74430	<0.001	<0.001	0.455	0.519
206332221	8210	0.286	0.284	0.203	0.201
218617961	11383	0.226	0.299	0.194	0.255
102645006	76799	0.007	0.026	0.196	0.745
2496821	113960	0.002	0.038	0.057	0.877

14164030	105125	<0.001	<0.001	0.191	0.783
34328592	101634	<0.001	<0.001	0.258	0.715
236716281	12964	<0.001	<0.001	0.692	0.281
81115090	88400	<0.001	<0.001	0.172	0.802
169599431	34915	<0.001	<0.001	0.673	0.300
190927455	18016	0.267	0.146	0.362	0.198
9975314	108967	0.017	0.040	0.276	0.640
204738688	9493	0.110	0.408	0.097	0.359
47371555	97178	<0.001	<0.001	0.135	0.838
140009629	41280	<0.001	<0.001	0.684	0.289
178973066	36091	0.398	0.096	0.385	0.093
79241916	89717	<0.001	<0.001	0.279	0.693
187388182	21947	0.398	0.154	0.303	0.117
169654145	35503	<0.001	0.206	0.002	0.765
41283395	99814	<0.001	0.046	0.003	0.924
117692875	61955	<0.001	<0.001	0.600	0.373
150390257	35987	<0.001	<0.001	0.633	0.340
169733846	36220	0.278	0.065	0.510	0.119
51505967	82803	<0.001	<0.001	0.343	0.630
278283	56999	<0.001	<0.001	0.820	0.152
153522612	40923	0.004	0.008	0.330	0.630
170615653	33612	0.010	0.007	0.578	0.377
71306938	90989	<0.001	<0.001	0.048	0.924
188430487	23343	0.097	0.044	0.572	0.259
176778841	23225	0.334	0.185	0.291	0.161
46526724	94673	<0.001	<0.001	0.211	0.761
160724611	31881	<0.001	<0.001	0.689	0.283
124095121	64144	0.018	0.055	0.217	0.682
65780976	79424	<0.001	<0.001	0.447	0.525
51228965	83287	<0.001	<0.001	0.119	0.853
51228965	83287	<0.001	<0.001	0.119	0.853
117568319	67111	<0.001	<0.001	0.544	0.428
187463513	22475	0.378	0.152	0.315	0.127
207077484	8457	0.002	0.582	0.001	0.387
169599431	37718	<0.001	<0.001	0.645	0.326
169555826	33866	<0.001	<0.001	0.706	0.265
187388182	22823	0.354	0.192	0.276	0.150
79379110	91339	<0.001	<0.001	0.282	0.689
10324737	96627	<0.001	<0.001	0.384	0.587
278283	52274	<0.001	<0.001	0.698	0.273
135231530	49867	<0.001	<0.001	0.765	0.206
47473742	92051	0.001	0.087	0.006	0.877
216300796	9730	0.064	0.488	0.049	0.369
187463513	21496	0.286	0.246	0.235	0.202
195310904	15386	0.156	0.289	0.184	0.342

51656783	83744	0.001	0.002	0.362	0.605
34308533	101753	<0.001	<0.001	0.185	0.785
155162707	38779	0.399	0.102	0.373	0.096
58652561	92494	<0.001	<0.001	0.074	0.895
14164030	94865	<0.001	<0.001	0.282	0.688
216300796	10769	0.016	0.497	0.014	0.443
81399754	91636	<0.001	<0.001	0.175	0.794
135399507	41797	0.026	0.054	0.289	0.602
73848790	84983	<0.001	<0.001	0.519	0.450
187545628	24452	0.080	0.107	0.335	0.448
124620265	24452	0.080	0.107	0.335	0.448
195310904	17782	0.221	0.227	0.257	0.265
198381461	9728	0.001	0.534	0.001	0.433
169654145	34519	0.125	0.056	0.543	0.245
52039480	90971	<0.001	<0.001	0.304	0.666
17596583	95264	<0.001	<0.001	0.251	0.718
156213108	39502	<0.001	<0.001	0.466	0.503
102597781	81098	<0.001	<0.001	0.259	0.710
102651359	80495	<0.001	<0.001	0.258	0.711
207560149	9880	0.001	0.266	0.002	0.701
102597781	76049	<0.001	<0.001	0.200	0.769
180076624	25568	0.381	0.148	0.317	0.123
128077046	65063	0.004	0.004	0.488	0.473
187009768	22111	0.343	0.143	0.341	0.142
160549306	32301	0.030	0.033	0.431	0.475
41283395	100311	<0.001	0.046	<0.001	0.923
143004789	35365	0.003	0.252	0.009	0.705
175444305	23087	0.287	0.226	0.255	0.200
125933230	61039	<0.001	<0.001	0.422	0.547
55149473	107357	<0.001	<0.001	0.144	0.824
52535777	92790	<0.001	<0.001	0.336	0.633
108960832	69481	0.001	0.021	0.040	0.906
187463513	23312	0.344	0.184	0.286	0.153
55991762	104909	0.003	0.009	0.254	0.701
161175129	34576	0.197	0.083	0.483	0.204
66107242	89793	<0.001	<0.001	0.457	0.511
160724611	34302	<0.001	<0.001	0.677	0.291
120487013	36102	<0.001	<0.001	0.282	0.686
74941314	36102	<0.001	<0.001	0.282	0.686
170881958	28053	0.402	0.130	0.329	0.107
187388182	24491	0.380	0.163	0.298	0.127
195310904	17453	0.222	0.224	0.260	0.262
9975314	105609	<0.001	0.087	0.001	0.879
170615653	31783	0.010	0.006	0.572	0.379
186339107	22593	0.365	0.179	0.284	0.139

156569880	38428	<0.001	<0.001	0.635	0.333
55279321	116395	<0.001	<0.001	0.134	0.833
187545628	22771	<0.001	0.321	<0.001	0.646
124620265	22771	<0.001	0.321	<0.001	0.646
169654145	35337	<0.001	0.204	<0.001	0.763
117692875	67885	<0.001	<0.001	0.561	0.406
173457954	26212	0.338	0.133	0.356	0.140
867884	97368	0.001	0.020	0.036	0.911
74538040	86130	0.004	0.003	0.562	0.399
111432470	60176	<0.001	<0.001	0.570	0.397
83016674	91828	<0.001	<0.001	0.280	0.687
184099756	23434	0.261	0.245	0.238	0.223
67517450	87297	0.006	0.027	0.176	0.759
55991762	119025	0.010	0.004	0.657	0.296
51747115	85469	<0.001	<0.001	0.334	0.633
10282857	96043	<0.001	<0.001	0.380	0.586
55149473	117032	<0.001	<0.001	0.671	0.295
112081659	64235	<0.001	0.138	<0.001	0.829
186370930	22725	0.351	0.171	0.298	0.146
177714076	25687	0.339	0.197	0.272	0.158
65780976	82396	<0.001	<0.001	0.405	0.561
47473742	92637	<0.001	0.088	<0.001	0.879
53794141	97328	<0.001	<0.001	0.653	0.314
186576252	22978	0.359	0.172	0.295	0.141
172636016	23440	0.326	0.180	0.296	0.164
2564455	94763	<0.001	<0.001	0.047	0.919
94857030	76081	0.014	0.042	0.225	0.685
120354203	61971	<0.001	<0.001	0.637	0.329
196721606	13515	0.051	0.101	0.274	0.539
217560272	11895	0.129	0.415	0.100	0.321
40984745	108531	<0.001	<0.001	0.399	0.567
187463513	24995	0.368	0.156	0.310	0.131
155042029	38846	0.395	0.100	0.376	0.095
88733587	68171	<0.001	0.125	<0.001	0.841
90775542	74785	<0.001	<0.001	0.600	0.366
43867324	101269	<0.001	0.084	0.002	0.880
55540603	117797	<0.001	<0.001	0.448	0.517
72542254	84792	<0.001	<0.001	0.557	0.408
95060274	116334	0.005	0.010	0.297	0.653
128077046	70517	0.002	0.006	0.277	0.680
160534539	36176	<0.001	<0.001	0.677	0.288
74538040	91124	0.003	0.003	0.514	0.445
85645555	88578	<0.001	<0.001	0.528	0.437
156629324	37898	<0.001	<0.001	0.638	0.327
207042568	8116	0.341	0.215	0.251	0.158

69748014	89544	<0.001	<0.001	0.532	0.433
26700110	102373	<0.001	<0.001	0.583	0.382
168698444	36590	<0.001	<0.001	0.687	0.277
177638164	25221	0.349	0.188	0.279	0.150
102651359	75422	<0.001	<0.001	0.201	0.764
143004789	34594	<0.001	0.251	<0.001	0.714
143004789	34448	0.088	0.163	0.250	0.464
187009768	24567	0.332	0.150	0.333	0.150
70499083	95222	0.001	0.010	0.049	0.905
55530525	118380	<0.001	<0.001	0.635	0.330
177638164	24105	0.341	0.197	0.271	0.156
46703430	101277	<0.001	<0.001	0.467	0.498
195310904	14851	0.166	0.276	0.197	0.326
177714076	26933	0.350	0.184	0.282	0.148
154627412	39252	0.431	0.092	0.363	0.078
143004789	36313	0.181	0.076	0.498	0.209
213403565	19069	0.004	0.521	0.004	0.435
136324524	41020	0.003	0.001	0.634	0.327
205047417	9007	<0.001	<0.001	0.720	0.244
172636016	26766	0.346	0.156	0.318	0.144
26700110	106603	<0.001	<0.001	0.519	0.445
156213108	34388	<0.001	<0.001	0.419	0.544
55427508	117304	<0.001	<0.001	0.629	0.334
112081659	63978	<0.001	0.137	<0.001	0.827
102796334	76066	<0.001	<0.001	0.475	0.488
55991762	113660	0.007	0.006	0.520	0.431
135231530	51341	<0.001	<0.001	0.667	0.297
998352	89743	<0.001	<0.001	0.464	0.500
46526724	88018	<0.001	<0.001	0.599	0.365
173473397	26772	0.369	0.147	0.321	0.128
25976586	109087	<0.001	<0.001	0.615	0.349
8439254	106025	0.001	0.083	0.014	0.865
160681621	32083	0.334	0.137	0.349	0.143
161175129	34576	0.271	0.114	0.406	0.172
57181008	27148	0.356	0.160	0.309	0.138
146644129	27148	0.356	0.160	0.309	0.138
49412590	27148	0.356	0.160	0.309	0.138
7117796	22734	0.340	0.159	0.316	0.148
107643658	22734	0.340	0.159	0.316	0.148
183114727	22734	0.340	0.159	0.316	0.148
112081659	59539	<0.001	0.130	<0.001	0.833
102401481	81121	<0.001	<0.001	0.261	0.702
153333499	35024	0.341	0.120	0.371	0.130
7536700	110764	<0.001	0.006	0.011	0.945
150038751	31551	0.014	0.008	0.587	0.353

172636016	25976	0.329	0.173	0.302	0.158
180076624	27628	0.279	0.242	0.237	0.205
8439254	108288	0.023	0.063	0.238	0.639
180076624	29699	0.377	0.144	0.320	0.122
187545628	23777	0.060	0.110	0.280	0.513
124620265	23777	0.060	0.110	0.280	0.513
7536700	98095	0.003	0.002	0.561	0.396
17596583	101418	<0.001	<0.001	0.253	0.709
683392	73241	<0.001	<0.001	0.618	0.344
184099756	20341	0.339	0.161	0.314	0.149
46703430	87874	<0.001	<0.001	0.586	0.376
149535435	33698	<0.001	<0.001	0.625	0.337
160534539	33666	<0.001	<0.001	0.660	0.302
169733846	34056	0.225	0.103	0.434	0.200
169654145	32841	0.141	0.054	0.556	0.211
14289679	112999	<0.001	<0.001	0.542	0.419
154946871	39257	0.353	0.088	0.416	0.104
105262088	18809	0.149	0.353	0.136	0.324
40791443	18809	0.149	0.353	0.136	0.324
244014381	18809	0.149	0.353	0.136	0.324
64647181	104952	<0.001	0.097	<0.001	0.865
162757195	40954	0.220	0.142	0.364	0.235
66107242	93510	<0.001	<0.001	0.425	0.536
67354127	90948	<0.001	<0.001	0.560	0.401
41283395	92486	0.017	0.025	0.368	0.551
108960832	66378	0.014	0.007	0.637	0.303
134021896	62154	0.241	0.068	0.508	0.144
117568319	61168	<0.001	<0.001	0.606	0.355
207016326	8433	0.214	0.266	0.214	0.266
176778841	25575	0.334	0.177	0.294	0.156
7117796	25622	0.309	0.171	0.310	0.171
107643658	25622	0.309	0.171	0.310	0.171
183114727	25622	0.309	0.171	0.310	0.171
21167130	114959	0.006	0.037	0.127	0.790
177638164	27872	0.354	0.174	0.290	0.142
143105949	36307	<0.001	<0.001	0.673	0.287
190927455	19536	0.109	0.304	0.144	0.404
224904035	10654	0.094	0.441	0.075	0.350
186370930	21229	<0.001	0.519	<0.001	0.441
117103241	67526	<0.001	<0.001	0.548	0.412
159684379	33764	0.339	0.151	0.325	0.145
176778841	27501	0.341	0.170	0.300	0.149
74737025	86908	<0.001	<0.001	0.089	0.871
128077046	71978	0.006	0.002	0.678	0.274
172636016	27405	0.332	0.169	0.305	0.155

155511897	38115	0.318	0.185	0.288	0.168
155493959	38115	0.318	0.185	0.288	0.168
155534119	38115	0.318	0.185	0.288	0.168
159558655	33582	0.369	0.158	0.304	0.130
124095121	61879	<0.001	0.071	<0.001	0.889
43537173	15647	0.281	0.225	0.252	0.202
1303516	15647	0.281	0.225	0.252	0.202
75988308	15647	0.281	0.225	0.252	0.202
32353590	15647	0.281	0.225	0.252	0.202
9771126	15647	0.281	0.225	0.252	0.202
101965616	15647	0.281	0.225	0.252	0.202
27190947	15647	0.281	0.225	0.252	0.202
207016326	8200	0.119	0.366	0.116	0.359
124095121	61685	<0.001	0.070	0.006	0.883
102401481	76128	<0.001	<0.001	0.188	0.772
2496821	105833	0.011	0.024	0.282	0.642
187179625	23109	0.006	0.003	0.622	0.328
140009629	37495	0.001	0.001	0.500	0.458
184099756	24043	0.271	0.230	0.248	0.210
185571216	19607	0.010	0.470	0.010	0.470
173886465	27702	0.324	0.207	0.261	0.167
55612141	113102	<0.001	<0.001	0.123	0.836
169733846	32384	0.255	0.095	0.444	0.166
153508720	35517	0.390	0.137	0.320	0.112
159895297	32252	0.321	0.197	0.273	0.168
173457954	24844	0.175	0.293	0.183	0.308
112081659	62555	0.004	0.123	0.026	0.806
949920	87313	0.004	0.005	0.453	0.497
18499986	98586	<0.001	<0.001	0.366	0.593
169733846	34910	<0.001	0.357	<0.001	0.602
74737025	78273	<0.001	<0.001	0.570	0.389
163008914	36794	0.309	0.175	0.303	0.172
2564455	126761	<0.001	<0.001	0.481	0.477
135399507	44573	0.058	0.025	0.613	0.263
74737025	82624	<0.001	<0.001	0.608	0.350
155060014	38833	0.404	0.103	0.360	0.091
142545822	33297	0.241	0.224	0.256	0.238
136670448	40402	0.404	0.100	0.364	0.090
124095121	57556	0.007	0.060	0.089	0.803
186339107	20055	0.020	0.527	0.015	0.396
143004789	31324	0.076	0.163	0.229	0.490
178017394	30069	0.327	0.168	0.306	0.157
95060274	116964	<0.001	0.015	<0.001	0.943
15739936	95936	<0.001	<0.001	0.533	0.425
110934922	66708	<0.001	0.155	<0.001	0.803

213403565	17709	0.175	0.352	0.143	0.288
155534119	38424	0.303	0.176	0.303	0.176
186339107	21098	<0.001	0.540	<0.001	0.417
185571216	18631	0.014	0.463	0.014	0.466
172636016	24740	0.215	0.288	0.194	0.260
28682485	109643	<0.001	0.019	<0.001	0.939
153522612	35595	0.368	0.129	0.341	0.119
161175129	32766	0.047	0.228	0.117	0.565
559933	72118	0.432	0.075	0.384	0.066
160183561	32946	0.334	0.210	0.253	0.159
55549632	103677	<0.001	<0.001	0.530	0.427
37005655	94788	<0.001	<0.001	0.523	0.434
185571216	19710	<0.001	0.478	<0.001	0.478
108960832	72675	0.001	0.021	0.051	0.883
153348097	35024	0.352	0.124	0.355	0.125
173473397	22627	0.101	0.413	0.087	0.355
52150078	88445	<0.001	<0.001	0.316	0.641
177714076	29678	0.356	0.169	0.292	0.139
160549306	33695	0.007	0.054	0.098	0.797
169555826	35614	<0.001	<0.001	0.662	0.294
5250625	45128	0.384	0.132	0.328	0.113
227521	45128	0.384	0.132	0.328	0.113
110934922	69535	0.068	0.091	0.343	0.455
21142008	108085	<0.001	<0.001	0.472	0.484
186370930	20179	0.019	0.504	0.016	0.417
105262088	21294	0.123	0.358	0.122	0.353
40791443	21294	0.123	0.358	0.122	0.353
244014381	21294	0.123	0.358	0.122	0.353
139440500	37997	0.378	0.137	0.324	0.118
33758025	118591	0.070	0.041	0.532	0.313
123819391	61253	0.428	0.102	0.344	0.082
111432470	65819	<0.001	<0.001	0.648	0.308
143004789	32808	0.115	0.127	0.338	0.375
500722	68800	0.268	0.047	0.545	0.096
159173103	34461	0.315	0.188	0.284	0.169
583494	73262	0.431	0.074	0.384	0.066
135399507	49902	0.062	0.028	0.599	0.266
161128646	33621	0.349	0.144	0.328	0.135
28682485	110225	<0.001	0.019	<0.001	0.937
142460923	37361	0.314	0.133	0.357	0.151
195310904	16614	0.047	0.387	0.057	0.464
45961473	98161	0.041	0.084	0.270	0.560
145732557	34324	0.341	0.150	0.322	0.142
21167130	102780	<0.001	0.039	<0.001	0.916
178973066	33847	0.355	0.132	0.340	0.127

8439254	98483	0.011	0.068	0.124	0.751
137540586	42763	0.351	0.092	0.405	0.106
173457954	22135	0.090	0.373	0.095	0.397
46221741	84005	<0.001	<0.001	0.441	0.514
123837473	63320	0.367	0.087	0.405	0.096
187388182	22941	0.121	0.414	0.095	0.324
150270371	34702	0.355	0.139	0.330	0.130
155511897	38115	0.321	0.187	0.282	0.164
155493959	38115	0.321	0.187	0.282	0.164
155534119	38115	0.321	0.187	0.282	0.164
186576252	20483	0.022	0.507	0.018	0.408
130915732	54876	0.003	0.245	0.008	0.698
178017394	33162	0.326	0.167	0.305	0.156
142460923	32380	0.228	0.215	0.263	0.248
117880536	63170	<0.001	<0.001	0.577	0.377
46526724	101046	<0.001	<0.001	0.614	0.339
169555826	38500	<0.001	<0.001	0.639	0.315
185571216	20994	0.323	0.153	0.324	0.153
19984949	112557	0.001	0.001	0.476	0.475
673578	78562	0.435	0.073	0.381	0.064
136934068	51958	0.395	0.091	0.380	0.087
150738433	35070	<0.001	<0.001	0.014	0.939
998352	112948	<0.001	<0.001	0.568	0.385
132336328	63985	0.416	0.083	0.378	0.076
451100	65927	0.414	0.074	0.394	0.071
94857030	73445	0.002	0.050	0.039	0.861
142568847	35197	0.277	0.224	0.249	0.202
278283	68491	<0.001	<0.001	0.669	0.284
183388086	25789	0.303	0.197	0.274	0.178
153333499	39261	0.251	0.207	0.271	0.223
66336350	83906	0.070	0.035	0.564	0.284
159895297	30638	0.149	0.363	0.128	0.312
5470566	123246	<0.001	<0.001	0.469	0.484
160832677	35276	0.341	0.145	0.328	0.139
183388086	28607	0.286	0.212	0.261	0.194
178017394	30845	0.242	0.248	0.228	0.234
142568847	37152	0.353	0.149	0.317	0.134
183388086	24537	0.365	0.135	0.330	0.122
170881958	29772	0.274	0.250	0.224	0.204
154627412	33976	0.333	0.188	0.275	0.156
160183561	31215	0.163	0.378	0.124	0.287
33758025	113902	<0.001	0.107	<0.001	0.845
112081659	66880	0.046	0.086	0.284	0.536
173457954	24945	0.001	0.464	0.001	0.487
145417545	34766	0.355	0.154	0.309	0.134

14889372	108130	<0.001	<0.001	0.558	0.394
142545822	38495	0.324	0.136	0.347	0.145
117880536	69111	<0.001	<0.001	0.551	0.401
51639908	92238	<0.001	<0.001	0.632	0.320
175444305	27737	0.265	0.234	0.240	0.212
102645006	81961	0.009	0.025	0.247	0.670
161175129	34744	0.119	0.162	0.285	0.386
56151048	34819	0.324	0.148	0.329	0.150
190927455	34819	0.324	0.148	0.329	0.150
123837473	63320	0.414	0.098	0.355	0.084
106322323	28528	<0.001	0.504	<0.001	0.447
71547534	28528	<0.001	0.504	<0.001	0.447
90274235	28528	<0.001	0.504	<0.001	0.447
106322323	28528	<0.001	0.504	<0.001	0.447
190927455	20270	0.019	0.393	0.025	0.514
56151048	31435	0.278	0.199	0.276	0.198
190927455	31435	0.278	0.199	0.276	0.198
11919002	98710	<0.001	<0.001	0.603	0.348
155042029	33491	0.314	0.173	0.299	0.165
149492935	30134	0.307	0.164	0.313	0.167
17596583	108159	<0.001	<0.001	0.573	0.378
96143803	86129	<0.001	<0.001	0.633	0.318
53794141	113447	<0.001	<0.001	0.585	0.366
87804824	47637	<0.001	<0.001	0.658	0.293
49520348	47637	<0.001	<0.001	0.658	0.293
627181	75743	0.415	0.070	0.398	0.068
28682485	103979	0.010	0.007	0.548	0.386
169654145	37289	0.125	0.064	0.505	0.257
87804824	47640	<0.001	<0.001	0.658	0.293
49527590	47640	<0.001	<0.001	0.658	0.293
160681621	34497	0.323	0.140	0.340	0.148
156851642	40446	0.278	0.227	0.246	0.200
88733587	79540	<0.001	0.136	<0.001	0.814
156569880	41632	<0.001	<0.001	0.461	0.489
145417545	30792	0.296	0.219	0.251	0.186
10480568	97725	<0.001	<0.001	0.301	0.649
156851642	38008	0.344	0.166	0.297	0.143
142077635	39792	0.364	0.143	0.318	0.125
187009768	22969	0.111	0.362	0.112	0.365
159895297	32967	0.358	0.150	0.312	0.130
105262088	22079	0.284	0.192	0.283	0.191
40791443	22079	0.284	0.192	0.283	0.191
244014381	22079	0.284	0.192	0.283	0.191
155534119	35180	0.299	0.176	0.299	0.176
149763231	34750	0.300	0.156	0.325	0.169

64647181	109218	0.023	0.075	0.202	0.650
230881322	12131	0.002	0.530	0.001	0.416
155511897	34870	0.314	0.185	0.284	0.167
155493959	34870	0.314	0.185	0.284	0.167
155534119	34870	0.314	0.185	0.284	0.167
155511897	33143	0.308	0.192	0.277	0.173
155493959	33143	0.308	0.192	0.277	0.173
155534119	33143	0.308	0.192	0.277	0.173
159574524	39789	0.337	0.183	0.279	0.151
151066536	35042	0.307	0.172	0.301	0.169
55612141	112705	<0.001	<0.001	0.477	0.473
5470566	123739	<0.001	<0.001	0.100	0.850
34732170	100422	<0.001	<0.001	0.288	0.662
9975314	105206	<0.001	0.085	<0.001	0.864
142460923	35606	<0.001	0.444	<0.001	0.505
110934922	66278	<0.001	0.153	<0.001	0.796
156851642	39012	0.358	0.147	0.315	0.130
106322323	31323	<0.001	0.503	<0.001	0.446
71547534	31323	<0.001	0.503	<0.001	0.446
90274235	31323	<0.001	0.503	<0.001	0.446
106322323	31323	<0.001	0.503	<0.001	0.446
150552214	32604	0.341	0.199	0.258	0.151
150738433	37460	<0.001	<0.001	0.628	0.321
145732557	28473	0.001	0.497	0.001	0.449
47473742	82483	0.012	0.067	0.129	0.742
142568847	32099	0.260	0.252	0.222	0.215
159173103	34987	0.318	0.178	0.290	0.163
75616173	93548	<0.001	<0.001	0.037	0.912
132272512	63101	0.394	0.137	0.310	0.108
155511897	34870	0.320	0.188	0.277	0.163
155493959	34870	0.320	0.188	0.277	0.163
155534119	34870	0.320	0.188	0.277	0.163
106322323	33150	0.334	0.173	0.292	0.151
71547534	33150	0.334	0.173	0.292	0.151
90274235	33150	0.334	0.173	0.292	0.151
106322323	33150	0.334	0.173	0.292	0.151
190927455	21000	0.259	0.152	0.338	0.199
47473742	87893	0.015	0.065	0.164	0.704
105262088	20699	<0.001	0.476	<0.001	0.472
40791443	20699	<0.001	0.476	<0.001	0.472
244014381	20699	<0.001	0.476	<0.001	0.472
155605157	38647	0.324	0.187	0.277	0.160
55530525	103866	<0.001	<0.001	0.547	0.401
149492935	33796	0.308	0.165	0.310	0.166
142842856	34724	0.185	0.299	0.178	0.287

6233936	133740	0.179	0.055	0.546	0.168
187388182	21016	0.334	0.203	0.256	0.156
151066536	38397	0.342	0.137	0.335	0.135
155511897	33143	0.313	0.195	0.271	0.169
155493959	33143	0.313	0.195	0.271	0.169
155534119	33143	0.313	0.195	0.271	0.169
110934922	61125	0.058	0.091	0.310	0.489
48919714	98635	<0.001	<0.001	0.662	0.286
177638164	26035	0.244	0.281	0.196	0.226
55540603	108015	<0.001	<0.001	0.548	0.400
34345009	101545	<0.001	<0.001	0.251	0.697
57181008	25540	<0.001	0.507	<0.001	0.441
146644129	25540	<0.001	0.507	<0.001	0.441
49412590	25540	<0.001	0.507	<0.001	0.441
47371555	88947	<0.001	<0.001	0.496	0.452
102597781	73499	<0.001	<0.001	0.584	0.364
133515485	62541	0.402	0.101	0.355	0.089
158757871	35072	<0.001	0.282	<0.001	0.666
56734194	35072	<0.001	0.282	<0.001	0.666
159558655	31318	0.157	0.366	0.127	0.297
6500737	108830	0.002	0.001	0.656	0.289
137366317	38992	0.155	0.293	0.173	0.327
160183561	33425	0.269	0.266	0.207	0.205
135231530	46126	<0.001	<0.001	0.664	0.284
162757195	39485	0.003	0.352	0.004	0.589
70694585	98925	<0.001	<0.001	0.516	0.432
160832677	32886	0.339	0.145	0.325	0.139
149492935	32814	0.267	0.203	0.271	0.206
150270371	31639	0.304	0.189	0.280	0.174
57386644	90436	<0.001	<0.001	0.075	0.872
8439254	105574	<0.001	0.083	0.002	0.862
150270371	35614	0.322	0.169	0.299	0.157
154946871	40116	0.299	0.137	0.351	0.161
79379110	106636	<0.001	<0.001	0.630	0.317
51531295	82705	<0.001	<0.001	0.359	0.588
137540586	40145	0.155	0.285	0.178	0.329
163101661	36190	0.002	0.390	0.002	0.553
57181008	23235	0.003	0.506	0.003	0.435
146644129	23235	0.003	0.506	0.003	0.435
49412590	23235	0.003	0.506	0.003	0.435
45961473	83538	0.049	0.060	0.374	0.464
178017394	28496	0.303	0.183	0.288	0.174
11690808	99724	<0.001	<0.001	0.608	0.339
184099756	21612	0.090	0.406	0.082	0.370
54785039	99367	<0.001	<0.001	0.647	0.299

170881958	30677	0.299	0.219	0.247	0.181
5470566	131989	<0.001	<0.001	0.599	0.348
142842856	31601	0.238	0.246	0.227	0.235
142842856	34894	<0.001	0.482	<0.001	0.464
88452213	86088	0.009	0.005	0.612	0.320
175444305	26044	0.042	0.455	0.038	0.411
178973066	31930	0.338	0.158	0.307	0.144
102645006	74285	0.019	0.012	0.564	0.351
3692234	131162	<0.001	<0.001	0.532	0.414
155605157	35533	0.322	0.193	0.270	0.162
198381461	8424	0.149	0.411	0.103	0.284
15739936	102438	<0.001	<0.001	0.636	0.310
142842856	36570	0.338	0.144	0.325	0.139
155534119	33445	0.293	0.182	0.291	0.180
145732557	30435	0.298	0.208	0.259	0.181
112081659	67809	0.079	0.054	0.484	0.330
7117796	24142	0.023	0.465	0.022	0.436
107643658	24142	0.023	0.465	0.022	0.436
183114727	24142	0.023	0.465	0.022	0.436
155060014	33479	0.323	0.178	0.286	0.158
130915732	52100	0.136	0.104	0.399	0.305
183388086	26955	0.201	0.291	0.185	0.268
139440500	40705	0.304	0.201	0.265	0.175
113006306	70071	<0.001	<0.001	0.558	0.387
128186818	58612	0.321	0.181	0.283	0.160
55530525	109249	<0.001	<0.001	0.539	0.406
163008914	34381	0.290	0.188	0.283	0.184
160183561	35714	0.368	0.165	0.284	0.127
14289679	127826	<0.001	<0.001	0.566	0.378
190927455	19591	0.069	0.337	0.091	0.447
184099756	22634	0.073	0.417	0.068	0.386
184099756	22736	0.151	0.340	0.140	0.314
161128646	36161	0.338	0.148	0.319	0.139
68647384	83371	<0.001	<0.001	0.171	0.773
173473397	25384	0.187	0.320	0.161	0.276
170881958	30768	0.001	0.515	0.001	0.427
125933230	66105	<0.001	<0.001	0.571	0.373
142460923	36431	0.006	0.436	0.007	0.495
105262088	19537	0.211	0.254	0.218	0.262
40791443	19537	0.211	0.254	0.218	0.262
244014381	19537	0.211	0.254	0.218	0.262
81115090	97973	<0.001	<0.001	0.612	0.332
3451213	117788	<0.001	<0.001	0.299	0.645
149763231	33717	0.324	0.135	0.342	0.142
137540586	35822	0.239	0.191	0.285	0.228

64647181	104419	0.002	0.093	0.018	0.831
175444305	24143	0.098	0.401	0.087	0.358
28682485	114452	<0.001	0.019	<0.001	0.924
85645555	95234	<0.001	<0.001	0.663	0.280
213403565	18119	0.114	0.402	0.095	0.333
150552214	35418	0.245	0.282	0.193	0.222
173886465	27089	0.125	0.396	0.101	0.321
176778841	26553	0.001	0.500	0.001	0.441
145417545	32349	<0.001	0.508	<0.001	0.435
55612141	103595	<0.001	<0.001	0.396	0.547
139440500	34842	0.189	0.321	0.160	0.272
150537376	33170	0.339	0.209	0.244	0.151
57181008	24155	<0.001	0.509	<0.001	0.434
146644129	24155	<0.001	0.509	<0.001	0.434
49412590	24155	<0.001	0.509	<0.001	0.434
500722	63189	0.202	0.078	0.478	0.185
142545822	37547	0.006	0.449	0.007	0.481
173886465	26124	0.151	0.371	0.122	0.299
94857030	79673	0.026	0.030	0.415	0.472
183388086	28106	0.314	0.178	0.288	0.163
178973066	34282	0.254	0.226	0.245	0.218
130915732	58570	<0.001	0.254	<0.001	0.689
154627412	40219	0.352	0.160	0.296	0.134
155060014	39601	0.343	0.156	0.305	0.139
64647181	97452	0.024	0.065	0.231	0.622
88733587	73483	0.025	0.100	0.162	0.656
150552214	36622	0.342	0.186	0.269	0.146
9987097	111681	<0.001	<0.001	0.635	0.308
130639954	52195	0.160	0.100	0.419	0.263
169733846	36835	0.215	0.115	0.399	0.213
133512655	61916	0.394	0.100	0.358	0.091
150537376	36080	0.252	0.285	0.190	0.215
85925975	95809	<0.001	<0.001	0.665	0.277
53899821	97310	0.002	0.094	0.014	0.832
160832677	33260	0.001	0.477	0.001	0.463
41745432	38874	0.239	0.250	0.221	0.231
121109379	38874	0.239	0.250	0.221	0.231
178973066	36853	0.329	0.151	0.316	0.146
142568847	36198	0.006	0.490	0.006	0.440
72094954	96391	<0.001	<0.001	0.498	0.443
175444305	25866	0.043	0.453	0.038	0.408
19984949	127245	0.002	0.001	0.658	0.281
524479	41734	0.313	0.164	0.305	0.160
31638120	41734	0.313	0.164	0.305	0.160
186576252	21434	<0.001	0.516	<0.001	0.424

38172981	113481	<0.001	<0.001	0.574	0.368
162757195	38601	0.235	0.115	0.396	0.195
170881958	32509	0.304	0.211	0.252	0.175
51487355	82817	<0.001	<0.001	0.334	0.608
155162707	35299	0.301	0.186	0.281	0.173
120354203	67185	<0.001	<0.001	0.662	0.279
23314727	117271	<0.001	<0.001	0.213	0.729
132272512	63101	0.377	0.131	0.321	0.112
154441926	36765	<0.001	<0.001	0.602	0.339
159173103	37487	0.312	0.181	0.283	0.164
161175129	36293	0.039	0.243	0.091	0.568
161175129	32766	0.064	0.310	0.097	0.469
55549632	109009	<0.001	<0.001	0.537	0.404
162757195	39369	0.002	0.349	0.004	0.585
52535777	102263	<0.001	<0.001	0.587	0.353
68647384	86735	<0.001	<0.001	0.595	0.345
14289679	119952	<0.001	<0.001	0.135	0.805
136670448	33262	0.202	0.304	0.173	0.261
155605157	33841	0.298	0.212	0.251	0.179
2496821	125171	0.021	0.020	0.458	0.442
51066601	95189	<0.001	<0.001	0.612	0.329
163008914	35425	0.003	0.471	0.003	0.463
55540603	113722	<0.001	<0.001	0.541	0.399
7536700	103793	0.001	0.005	0.193	0.741
949920	110014	0.006	0.004	0.556	0.373
1549038	100634	<0.001	<0.001	0.293	0.647
159895297	35145	0.306	0.199	0.264	0.172
163008914	33174	0.142	0.331	0.140	0.326
121839986	56173	0.227	0.195	0.279	0.239
28682485	117068	0.013	0.007	0.595	0.325
88452213	76818	0.006	0.006	0.461	0.466
33758025	103129	0.015	0.084	0.129	0.711
94857030	80670	0.032	0.024	0.507	0.376
7536700	114361	0.002	0.004	0.284	0.649
102651359	72927	<0.001	<0.001	0.552	0.387
154946871	33935	0.278	0.151	0.330	0.179
42729654	108575	<0.001	<0.001	0.550	0.388
57400101	89695	0.001	0.015	0.073	0.850
159173103	32466	0.297	0.194	0.271	0.177
154627412	35881	0.325	0.190	0.267	0.156
155511897	36742	0.024	0.477	0.021	0.417
155493959	36742	0.024	0.477	0.021	0.417
155534119	36742	0.024	0.477	0.021	0.417
66107242	103232	<0.001	<0.001	0.636	0.302
56151048	32370	0.249	0.232	0.237	0.220

190927455	32370	0.249	0.232	0.237	0.220
155162707	39535	0.322	0.160	0.304	0.151
136670448	36824	0.170	0.332	0.148	0.288
106322323	32338	<0.001	0.497	<0.001	0.440
71547534	32338	<0.001	0.497	<0.001	0.440
90274235	32338	<0.001	0.497	<0.001	0.440
106322323	32338	<0.001	0.497	<0.001	0.440
173473397	25488	0.001	0.502	0.001	0.434
155511897	36742	0.024	0.470	0.021	0.423
155493959	36742	0.024	0.470	0.021	0.423
155534119	36742	0.024	0.470	0.021	0.423
160549306	34379	0.042	0.018	0.615	0.263
122618150	58171	0.221	0.173	0.305	0.239
158757871	37589	0.096	0.123	0.316	0.403
56734194	37589	0.096	0.123	0.316	0.403
150537376	37229	0.347	0.188	0.261	0.141
151066536	37461	0.226	0.249	0.220	0.242
173886465	24775	0.207	0.317	0.163	0.249
124095121	65625	0.028	0.043	0.344	0.522
68647384	94955	<0.001	<0.001	0.647	0.289
159684379	35959	0.300	0.179	0.286	0.171
136670448	42324	0.290	0.203	0.261	0.183
137366317	34746	0.237	0.198	0.274	0.228
160681621	30549	0.112	0.343	0.118	0.363
69748014	80971	<0.001	<0.001	0.550	0.386
137540586	45633	0.282	0.158	0.319	0.178
180076624	27194	0.231	0.277	0.194	0.233
161175129	34744	0.160	0.217	0.237	0.322
5470566	115137	<0.001	<0.001	0.580	0.356
155060014	35383	0.309	0.189	0.272	0.166
153333499	37878	0.010	0.441	0.011	0.474
81606399	92197	<0.001	<0.001	0.366	0.570
120487013	40237	<0.001	<0.001	0.641	0.295
74941314	40237	<0.001	<0.001	0.641	0.295
43788779	108521	0.004	0.002	0.634	0.296
15739936	86975	<0.001	<0.001	0.526	0.409
161128646	31906	0.106	0.374	0.101	0.354
163008914	35332	0.002	0.470	0.002	0.462
56151048	34073	0.157	0.327	0.147	0.305
190927455	34073	0.157	0.327	0.147	0.305
153508720	39760	0.282	0.230	0.234	0.190
41745432	42768	0.300	0.187	0.276	0.172
121109379	42768	0.300	0.187	0.276	0.172
71306938	101526	<0.001	<0.001	0.651	0.284
5250625	40878	0.296	0.215	0.246	0.179

227521	40878	0.296	0.215	0.246	0.179
106322323	31348	0.037	0.461	0.032	0.405
71547534	31348	0.037	0.461	0.032	0.405
90274235	31348	0.037	0.461	0.032	0.405
106322323	31348	0.037	0.461	0.032	0.405
187009768	22845	0.036	0.430	0.036	0.433
106322323	30103	0.206	0.290	0.183	0.256
71547534	30103	0.206	0.290	0.183	0.256
90274235	30103	0.206	0.290	0.183	0.256
106322323	30103	0.206	0.290	0.183	0.256
183731365	22907	<0.001	<0.001	0.293	0.642
6500737	125726	0.002	0.001	0.524	0.407
42729654	96614	<0.001	<0.001	0.609	0.326
45961473	94616	0.024	0.093	0.168	0.649
102606036	42788	0.307	0.198	0.261	0.169
44221625	42788	0.307	0.198	0.261	0.169
123357972	63750	0.322	0.167	0.293	0.152
137366317	44446	0.281	0.159	0.316	0.178
110934922	70542	0.099	0.057	0.496	0.283
180076624	29252	0.257	0.253	0.214	0.211
95036250	72276	0.155	0.086	0.445	0.248
11727042	100596	<0.001	<0.001	0.600	0.334
163101661	36281	0.002	0.384	0.003	0.544
224904035	10697	<0.001	0.520	<0.001	0.413
173473397	26152	0.118	0.381	0.103	0.332
3451213	127785	<0.001	<0.001	0.524	0.409
40984745	96370	<0.001	<0.001	0.301	0.633
37005655	97422	<0.001	<0.001	0.435	0.499
142077635	37718	0.012	0.486	0.011	0.425
55612141	108885	<0.001	<0.001	0.530	0.404
34732170	118127	<0.001	<0.001	0.550	0.384
9147317	123716	<0.001	<0.001	0.633	0.300
130639954	54719	0.003	0.263	0.007	0.660
34399392	119280	<0.001	<0.001	0.580	0.353
45961473	88278	0.069	0.041	0.514	0.309
150552214	31136	0.087	0.445	0.066	0.335
207042568	8360	0.013	0.518	0.010	0.393
15739936	90185	<0.001	<0.001	0.587	0.346
87804824	44173	<0.001	0.468	<0.001	0.465
30256808	44173	<0.001	0.468	<0.001	0.465
173457954	23312	0.156	0.295	0.167	0.315
160681621	32343	0.216	0.237	0.228	0.251
177714076	28904	0.042	0.470	0.035	0.386
21142008	123235	<0.001	<0.001	0.632	0.301
949920	94081	0.006	0.005	0.484	0.437

136670448	39935	<0.001	0.490	<0.001	0.443
38172981	95674	<0.001	<0.001	0.431	0.501
159684379	35342	0.131	0.347	0.125	0.330
155042029	35411	0.297	0.181	0.282	0.172
5870551	112966	<0.001	<0.001	0.664	0.268
159574524	37048	0.168	0.344	0.138	0.283
70499083	105578	0.007	0.003	0.639	0.282
46623947	86569	<0.001	<0.001	0.570	0.362
159684379	31398	0.141	0.336	0.135	0.321
122712003	53687	0.274	0.197	0.269	0.193
155042029	39616	0.327	0.149	0.312	0.143
155534119	37053	0.022	0.445	0.022	0.441
9975314	112049	0.037	0.018	0.589	0.287
94857030	76446	<0.001	0.054	<0.001	0.878
130346540	52219	0.281	0.178	0.289	0.184
159173103	35097	0.093	0.394	0.085	0.360
124095121	59803	0.040	0.026	0.525	0.340
47473742	95674	0.014	0.070	0.138	0.709
150270371	33310	0.007	0.476	0.006	0.442
159895297	34536	0.135	0.363	0.117	0.315
158757871	33949	0.124	0.114	0.360	0.332
56734194	33949	0.124	0.114	0.360	0.332
51487355	92266	<0.001	<0.001	0.612	0.319
127520626	55232	0.334	0.191	0.257	0.147
103811362	72228	<0.001	0.236	<0.001	0.694
122933938	54469	0.284	0.207	0.254	0.185
156851642	39136	0.002	0.492	0.002	0.434
145417545	28411	0.001	0.505	0.001	0.424
102668891	78734	0.063	0.136	0.232	0.499
172636016	26072	0.001	0.484	0.001	0.444
153508720	40819	0.168	0.342	0.138	0.282
102269435	44425	0.272	0.165	0.307	0.186
68483369	44425	0.272	0.165	0.307	0.186
154627412	37851	0.003	0.502	0.002	0.423
122743351	58130	0.319	0.177	0.279	0.155
111375686	62228	<0.001	0.356	<0.001	0.574
155042029	37303	0.019	0.457	0.018	0.434
55540603	125981	<0.001	<0.001	0.647	0.283
161175129	36293	0.052	0.325	0.076	0.476
7767032	95765	<0.001	<0.001	0.538	0.391
43537173	14899	<0.001	0.477	<0.001	0.453
1303516	14899	<0.001	0.477	<0.001	0.453
75988308	14899	<0.001	0.477	<0.001	0.453
32353590	14899	<0.001	0.477	<0.001	0.453
9771126	14899	<0.001	0.477	<0.001	0.453

101965616	14899	<0.001	0.477	<0.001	0.453
27190947	14899	<0.001	0.477	<0.001	0.453
123837473	43668	<0.001	0.514	<0.001	0.415
41261540	43668	<0.001	0.514	<0.001	0.415
61735106	48022	0.325	0.153	0.306	0.144
49470136	48022	0.325	0.153	0.306	0.144
142842856	32950	0.223	0.252	0.213	0.241
10397291	114322	<0.001	<0.001	0.639	0.290
68869440	95158	0.009	0.086	0.081	0.753
43537173	14396	<0.001	0.488	<0.001	0.440
1303516	14396	<0.001	0.488	<0.001	0.440
75988308	14396	<0.001	0.488	<0.001	0.440
32353590	14396	<0.001	0.488	<0.001	0.440
9771126	14396	<0.001	0.488	<0.001	0.440
101965616	14396	<0.001	0.488	<0.001	0.440
27190947	14396	<0.001	0.488	<0.001	0.440
155060014	37394	0.003	0.490	0.002	0.434
76352136	107404	<0.001	<0.001	0.615	0.313
88733587	77208	0.018	0.113	0.109	0.688
162757195	41788	0.022	0.330	0.037	0.540
11727042	113919	<0.001	<0.001	0.650	0.279
142077635	34394	0.295	0.203	0.255	0.175
175444305	26896	0.001	0.485	0.001	0.441
153522612	37414	0.298	0.188	0.271	0.171
150537376	31644	0.089	0.448	0.065	0.325
153333499	36934	0.212	0.233	0.230	0.253
41745432	39916	0.002	0.493	0.001	0.432
121109379	39916	0.002	0.493	0.001	0.432
34540280	103553	<0.001	<0.001	0.569	0.358
113891593	60106	<0.001	0.355	<0.001	0.573
61735106	40312	0.002	0.470	0.002	0.453
49470136	40312	0.002	0.470	0.002	0.453
207042568	8142	0.089	0.444	0.066	0.328
43537173	14705	<0.001	0.490	<0.001	0.438
1303516	14705	<0.001	0.490	<0.001	0.438
75988308	14705	<0.001	0.490	<0.001	0.438
32353590	14705	<0.001	0.490	<0.001	0.438
9771126	14705	<0.001	0.490	<0.001	0.438
101965616	14705	<0.001	0.490	<0.001	0.438
27190947	14705	<0.001	0.490	<0.001	0.438
105262088	20558	0.004	0.454	0.004	0.464
40791443	20558	0.004	0.454	0.004	0.464
244014381	20558	0.004	0.454	0.004	0.464
162757195	37013	0.101	0.240	0.173	0.413
23314727	124339	<0.001	<0.001	0.633	0.294

33758025	113444	0.001	0.103	0.009	0.814
160681621	33651	0.051	0.412	0.051	0.413
83278455	108975	<0.001	<0.001	0.637	0.289
33758025	121059	0.073	0.036	0.548	0.269
161128646	33837	0.207	0.269	0.196	0.254
178017394	32214	0.043	0.434	0.041	0.408
142568847	35388	<0.001	0.488	<0.001	0.439
79241916	95026	<0.001	<0.001	0.559	0.367
34540280	118267	<0.001	<0.001	0.552	0.374
159574524	39008	0.327	0.183	0.267	0.149
153348097	39266	0.253	0.209	0.254	0.210
34683725	119168	<0.001	<0.001	0.551	0.375
57583293	92985	0.012	0.191	0.042	0.680
64979477	46603	<0.001	0.461	<0.001	0.465
36641255	46603	<0.001	0.461	<0.001	0.465
52255039	57231	0.347	0.156	0.291	0.131
33294720	57231	0.347	0.156	0.291	0.131
123837473	59086	0.281	0.220	0.238	0.186
186576252	21321	0.012	0.497	0.010	0.408
110473614	61951	0.305	0.177	0.280	0.163
155162707	37375	0.002	0.477	0.002	0.444
134021896	57163	0.095	0.192	0.211	0.427
10397291	101181	<0.001	<0.001	0.622	0.303
11690808	112740	<0.001	<0.001	0.647	0.278
183388086	26783	0.056	0.426	0.052	0.391
45961473	100996	0.086	0.036	0.567	0.236
161128646	35308	0.064	0.411	0.061	0.389
49726934	100463	<0.001	<0.001	0.628	0.297
150537376	35079	<0.001	0.528	<0.001	0.396
155511897	36881	0.002	0.490	0.002	0.430
155493959	36881	0.002	0.490	0.002	0.430
155534119	36881	0.002	0.490	0.002	0.430
150270371	30289	0.078	0.403	0.072	0.372
108097132	68094	0.368	0.133	0.311	0.112
69518790	92757	<0.001	<0.001	0.635	0.289
103811362	76028	0.108	0.123	0.324	0.369
52150078	96588	<0.001	<0.001	0.619	0.305
173473397	23815	0.175	0.323	0.150	0.277
14880574	93134	<0.001	<0.001	0.558	0.366
7812450	111335	<0.001	<0.001	0.237	0.687
159895297	33078	0.135	0.359	0.118	0.312
128186818	59898	0.365	0.149	0.291	0.119
155042029	37410	0.003	0.471	0.002	0.448
128186818	59898	0.349	0.142	0.307	0.125
559933	66546	0.355	0.138	0.310	0.121

150270371	33536	<0.001	0.478	<0.001	0.445
34314040	101647	<0.001	<0.001	0.245	0.678
583494	67617	0.356	0.138	0.309	0.120
159684379	33021	0.304	0.170	0.288	0.161
87804824	51479	0.324	0.141	0.320	0.139
30256808	51479	0.324	0.141	0.320	0.139
81399754	101622	<0.001	<0.001	0.591	0.332
23314727	122126	<0.001	<0.001	0.098	0.826
5250625	46099	0.029	0.405	0.033	0.457
227521	46099	0.029	0.405	0.033	0.457
156851642	36141	0.217	0.279	0.187	0.241
129076442	57871	0.329	0.174	0.274	0.145
173886465	23480	0.100	0.415	0.079	0.329
57181008	26575	0.002	0.494	0.001	0.426
146644129	26575	0.002	0.494	0.001	0.426
49412590	26575	0.002	0.494	0.001	0.426
451100	60427	0.343	0.134	0.321	0.125
88733587	82397	0.087	0.046	0.517	0.272
113891593	69386	0.228	0.120	0.377	0.198
68869440	90074	0.058	0.033	0.527	0.305
102968497	79736	<0.001	<0.001	0.244	0.679
102269435	47269	0.059	0.367	0.069	0.428
68483369	47269	0.059	0.367	0.069	0.428
127897682	61091	0.353	0.146	0.300	0.124
142842856	35623	0.006	0.465	0.006	0.446
43788779	96859	0.003	0.002	0.535	0.382
64647181	111244	0.068	0.029	0.579	0.247
155534119	39185	0.217	0.245	0.216	0.244
73848790	95267	<0.001	<0.001	0.588	0.335
106068065	43559	0.206	0.278	0.187	0.252
90274235	43559	0.206	0.278	0.187	0.252
106068065	43559	0.206	0.278	0.187	0.252
136934068	48099	0.178	0.294	0.170	0.280
134021896	60331	<0.001	0.306	<0.001	0.616
132272512	53858	0.328	0.195	0.251	0.149
110934922	64064	0.087	0.054	0.482	0.299
128186818	58612	0.328	0.185	0.262	0.147
70694585	102363	<0.001	<0.001	0.644	0.277
132018370	52810	0.271	0.201	0.259	0.192
163101661	37659	0.248	0.132	0.353	0.188
129076442	62320	0.221	0.277	0.188	0.235
54785039	116861	<0.001	<0.001	0.637	0.284
131892530	52471	0.243	0.199	0.264	0.215
108097132	73897	0.340	0.154	0.294	0.133
106068065	46953	<0.001	0.482	<0.001	0.439

90274235	46953	<0.001	0.482	<0.001	0.439
106068065	46953	<0.001	0.482	<0.001	0.439
127520626	63488	0.367	0.149	0.288	0.117
83278455	100893	<0.001	<0.001	0.383	0.538
129159022	61696	0.341	0.150	0.298	0.131
94701451	80288	0.073	0.211	0.163	0.473
64979477	44379	0.237	0.253	0.209	0.222
36641255	44379	0.237	0.253	0.209	0.222
123357972	59623	0.282	0.202	0.254	0.182
153508720	38275	0.011	0.493	0.009	0.407
155534119	37167	0.002	0.460	0.002	0.456
158757871	35103	0.186	0.125	0.364	0.245
56734194	35103	0.186	0.125	0.364	0.245
130560161	53327	0.295	0.186	0.269	0.170
137540586	43133	<0.001	0.429	<0.001	0.491
34314040	119515	<0.001	<0.001	0.589	0.331
106209408	55580	0.315	0.172	0.279	0.153
106111127	55580	0.315	0.172	0.279	0.153
106237742	55580	0.315	0.172	0.279	0.153
106092403	55580	0.315	0.172	0.279	0.153
106209408	55580	0.315	0.172	0.279	0.153
23262023	55580	0.315	0.172	0.279	0.153
10282857	100428	<0.001	<0.001	0.615	0.305
137366317	41821	0.016	0.414	0.019	0.471
159558655	32968	0.329	0.179	0.267	0.145
57181008	25491	0.063	0.428	0.055	0.374
146644129	25491	0.063	0.428	0.055	0.374
49412590	25491	0.063	0.428	0.055	0.374
173457954	25599	0.104	0.343	0.110	0.363
129159022	56179	0.322	0.171	0.278	0.148
74538040	101825	0.004	0.002	0.600	0.313
120549959	65005	0.308	0.152	0.308	0.152
64979477	46702	<0.001	0.455	<0.001	0.464
36641255	46702	<0.001	0.455	<0.001	0.464
159574524	39925	0.086	0.416	0.072	0.345
161128646	33978	0.001	0.471	0.001	0.447
129076442	63621	0.344	0.153	0.292	0.130
72094954	85687	<0.001	<0.001	0.560	0.359
40984745	100797	<0.001	<0.001	0.401	0.518
5571282	129284	0.146	0.059	0.508	0.205
106068065	47574	0.320	0.162	0.290	0.147
90274235	47574	0.320	0.162	0.290	0.147
106068065	47574	0.320	0.162	0.290	0.147
178017394	30991	<0.001	0.473	<0.001	0.446
128050306	52191	0.206	0.281	0.182	0.249

6233936	129599	0.134	0.093	0.408	0.284
627181	69976	0.335	0.129	0.329	0.126
124632186	61810	0.295	0.170	0.287	0.166
131892530	55398	0.005	0.437	0.005	0.472
55427508	112194	<0.001	<0.001	0.417	0.501
158757871	36989	0.008	0.263	0.019	0.629
56734194	36989	0.008	0.263	0.019	0.629
149492935	31645	0.006	0.449	0.006	0.457
69518790	84497	<0.001	<0.001	0.529	0.390
155511897	38883	0.226	0.256	0.204	0.232
155493959	38883	0.226	0.256	0.204	0.232
155534119	38883	0.226	0.256	0.204	0.232
131905472	54808	0.265	0.227	0.229	0.197
163101661	33948	0.120	0.257	0.172	0.369
683392	93533	<0.001	<0.001	0.610	0.308
106068065	41396	0.005	0.477	0.004	0.432
90274235	41396	0.005	0.477	0.004	0.432
106068065	41396	0.005	0.477	0.004	0.432
87804824	46429	0.185	0.272	0.186	0.274
30256808	46429	0.185	0.272	0.186	0.274
180076624	27773	<0.001	0.497	<0.001	0.421
123837473	39141	0.092	0.417	0.074	0.334
41261540	39141	0.092	0.417	0.074	0.334
161601753	34199	0.009	0.021	0.274	0.614
56151048	32578	0.036	0.434	0.034	0.415
190927455	32578	0.036	0.434	0.034	0.415
123837473	41888	<0.001	0.507	<0.001	0.410
41261540	41888	<0.001	0.507	<0.001	0.410
14880574	106429	<0.001	<0.001	0.537	0.380
150552214	34456	<0.001	0.513	<0.001	0.404
89731687	68864	0.001	0.362	0.002	0.552
111375686	64846	0.161	0.194	0.256	0.308
51656783	92435	<0.001	<0.001	0.609	0.308
120169840	60327	0.141	0.324	0.137	0.315
41745432	42303	<0.001	0.476	<0.001	0.441
121109379	42303	<0.001	0.476	<0.001	0.441
160183561	33552	0.112	0.406	0.087	0.312
128186818	56265	0.301	0.212	0.237	0.167
142460923	33719	0.160	0.266	0.184	0.307
122712003	57637	0.294	0.168	0.290	0.165
150552214	34219	0.008	0.506	0.006	0.397
195310904	16516	0.002	0.415	0.002	0.498
87804824	50175	<0.001	0.461	<0.001	0.456
30256808	50175	<0.001	0.461	<0.001	0.456
124632186	63783	0.306	0.157	0.299	0.154

64979477	49689	0.304	0.181	0.271	0.161
36641255	49689	0.304	0.181	0.271	0.161
155511897	36881	0.002	0.480	0.002	0.433
155493959	36881	0.002	0.480	0.002	0.433
155534119	36881	0.002	0.480	0.002	0.433
41745432	40091	<0.001	0.478	<0.001	0.439
121109379	40091	<0.001	0.478	<0.001	0.439
151066536	36351	<0.001	0.462	<0.001	0.454
122618150	59258	0.245	0.139	0.340	0.193
68869440	93027	0.029	0.080	0.213	0.594
123837473	59086	0.244	0.190	0.271	0.212
10324737	101030	<0.001	<0.001	0.612	0.304
47371555	100069	<0.001	<0.001	0.376	0.540
142545822	36503	0.250	0.196	0.264	0.207
145732557	33276	0.137	0.335	0.129	0.315
21167130	122998	0.029	0.014	0.590	0.283
130346540	61650	0.278	0.173	0.286	0.178
155511897	38883	0.229	0.259	0.200	0.227
155493959	38883	0.229	0.259	0.200	0.227
155534119	38883	0.229	0.259	0.200	0.227
33758025	106823	0.063	0.036	0.516	0.301
64979477	48628	0.003	0.417	0.003	0.492
36641255	48628	0.003	0.417	0.003	0.492
130915732	58285	0.016	0.230	0.044	0.626
7536700	118568	0.004	0.003	0.553	0.356
149492935	31776	<0.001	0.453	<0.001	0.462
94701451	74465	0.156	0.118	0.364	0.276
93215024	65825	0.072	0.286	0.112	0.445
103811362	81063	<0.001	0.242	<0.001	0.673
68869440	86556	0.071	0.033	0.556	0.256
159574524	42443	0.322	0.178	0.267	0.147
7767032	116410	<0.001	<0.001	0.606	0.309
139440500	43616	0.094	0.394	0.082	0.345
120643366	66673	0.339	0.147	0.298	0.130
10282857	113198	<0.001	<0.001	0.624	0.290
150537376	34839	0.008	0.515	0.006	0.386
122743351	59261	0.311	0.177	0.272	0.155
52255039	54300	<0.001	0.495	<0.001	0.420
33294720	54300	<0.001	0.495	<0.001	0.420
161175129	37173	0.016	0.258	0.037	0.604
140009629	36064	<0.001	<0.001	0.650	0.265
23066961	114206	<0.001	0.212	<0.001	0.702
7590856	98617	0.151	0.110	0.377	0.275
95036250	77581	0.063	0.181	0.173	0.496
102606036	40824	<0.001	0.488	<0.001	0.426

44221625	40824	<0.001	0.488	<0.001	0.426
47473742	98371	0.035	0.050	0.340	0.489
5870551	120814	<0.001	<0.001	0.551	0.363
178973066	34437	0.063	0.402	0.061	0.388
64647181	101109	0.048	0.059	0.360	0.446
131362223	51844	0.271	0.228	0.225	0.190
55549632	112922	<0.001	<0.001	0.458	0.455
34399392	104314	<0.001	<0.001	0.552	0.361
130346540	58215	<0.001	0.452	<0.001	0.461
56151048	29903	0.157	0.301	0.156	0.299
190927455	29903	0.157	0.301	0.156	0.299
102269435	45718	<0.001	0.444	<0.001	0.468
68483369	45718	<0.001	0.444	<0.001	0.468
121839986	64342	0.274	0.136	0.337	0.166
125546150	68630	0.325	0.154	0.295	0.139
41283395	96614	0.018	0.024	0.370	0.500
111375686	61905	<0.001	0.349	<0.001	0.563
154946871	37780	0.017	0.403	0.020	0.471
131844411	63091	0.139	0.333	0.129	0.310
125401914	61478	0.304	0.208	0.237	0.162
119217415	65782	0.327	0.167	0.276	0.141
154946871	37884	0.003	0.417	0.004	0.487
34328592	119493	<0.001	<0.001	0.583	0.328
142888585	73610	0.352	0.147	0.291	0.122
120549959	61956	0.141	0.313	0.142	0.315
55549632	120753	<0.001	<0.001	0.634	0.277
136934068	54680	0.289	0.177	0.277	0.169
93215024	63269	0.075	0.281	0.117	0.438
120169840	68627	0.326	0.134	0.320	0.132
79379110	96646	<0.001	<0.001	0.547	0.364
108532542	79314	0.342	0.128	0.320	0.120
130639954	61632	0.163	0.106	0.389	0.253
113765621	59205	<0.001	0.468	<0.001	0.442
42721980	104741	<0.001	<0.001	0.005	0.906
133512655	55656	0.150	0.329	0.135	0.297
136934068	51750	<0.001	0.465	<0.001	0.445
106209408	54206	<0.001	0.483	<0.001	0.427
106111127	54206	<0.001	0.483	<0.001	0.427
106237742	54206	<0.001	0.483	<0.001	0.427
106092403	54206	<0.001	0.483	<0.001	0.427
106209408	54206	<0.001	0.483	<0.001	0.427
23262023	54206	<0.001	0.483	<0.001	0.427
130560161	55930	0.005	0.473	0.005	0.427
155605157	39426	0.231	0.260	0.197	0.221
130639954	58011	0.038	0.224	0.095	0.552

52255039	53806	<0.001	0.491	<0.001	0.419
33294720	53806	<0.001	0.491	<0.001	0.419
117873752	60566	0.292	0.195	0.254	0.169
132272512	53858	0.308	0.183	0.262	0.156
131357148	51901	0.261	0.220	0.233	0.196
111375686	65741	0.239	0.113	0.378	0.179
145732557	32039	<0.001	0.475	<0.001	0.435
122712003	58770	0.294	0.165	0.288	0.162
23066961	118205	0.024	0.190	0.076	0.619
113594393	58954	<0.001	0.448	<0.001	0.460
41283395	106447	0.028	0.018	0.528	0.335
41745432	37079	0.186	0.308	0.156	0.259
121109379	37079	0.186	0.308	0.156	0.259
52039480	87090	<0.001	<0.001	0.131	0.778
94701451	77265	0.013	0.264	0.029	0.603
142077635	37895	0.187	0.298	0.163	0.260
159558655	35809	0.313	0.185	0.258	0.153
176778841	24196	0.056	0.431	0.048	0.373
673578	72675	0.346	0.140	0.301	0.122
110723306	60182	0.160	0.294	0.160	0.294
150390257	32050	<0.001	<0.001	0.556	0.352
57400101	104708	0.013	0.005	0.638	0.252
142077635	35758	0.199	0.288	0.172	0.249
128050306	59336	0.303	0.177	0.270	0.158
9975314	94597	0.196	0.091	0.424	0.197
36663576	100837	<0.001	0.276	<0.001	0.631
94759605	69473	0.269	0.189	0.264	0.185
5250625	45901	0.224	0.264	0.192	0.227
227521	45901	0.224	0.264	0.192	0.227
177714076	27866	<0.001	0.499	<0.001	0.408
111683311	61966	0.278	0.198	0.252	0.179
108510283	72409	0.352	0.132	0.308	0.115
122618150	55901	0.002	0.373	0.003	0.528
118036315	66452	0.266	0.173	0.284	0.185
5571282	117204	0.138	0.054	0.513	0.202
66336350	96279	0.075	0.035	0.544	0.253
133515485	60248	0.136	0.343	0.121	0.306
55991762	110510	0.007	0.006	0.497	0.397
6233936	130161	0.011	0.213	0.035	0.647
177714076	27736	0.239	0.261	0.195	0.213
52864704	90583	0.049	0.251	0.099	0.507
64979477	43234	0.155	0.281	0.167	0.304
36641255	43234	0.155	0.281	0.167	0.304
101965616	74846	0.291	0.174	0.276	0.165
40569688	102547	0.017	0.220	0.048	0.621

177638164	27124	0.039	0.460	0.032	0.376
110723306	62996	0.292	0.162	0.291	0.161
60058521	87206	<0.001	0.335	<0.001	0.571
128050306	60631	0.341	0.138	0.303	0.123
102606036	45476	0.005	0.477	0.004	0.420
44221625	45476	0.005	0.477	0.004	0.420
102645006	80440	0.010	0.022	0.280	0.593
131892530	59572	0.033	0.405	0.035	0.433
9975314	98804	0.015	0.034	0.259	0.598
111375686	57273	<0.001	0.340	<0.001	0.566
122743351	51888	0.050	0.434	0.044	0.377
95090392	72810	0.310	0.169	0.276	0.150
130560161	63102	0.288	0.184	0.263	0.168
145417545	32517	<0.001	0.487	<0.001	0.418
5884095	129300	0.329	0.134	0.314	0.128
40540558	108923	0.260	0.115	0.368	0.163
66336350	87481	0.055	0.048	0.428	0.374
40569688	109654	0.144	0.094	0.402	0.264
40569688	95691	0.075	0.154	0.221	0.453
93215024	66267	<0.001	0.354	<0.001	0.550
55530525	113148	<0.001	<0.001	0.449	0.455
123837473	56999	0.045	0.381	0.051	0.427
131362223	55203	0.006	0.496	0.004	0.398
119164600	68729	0.269	0.211	0.238	0.186
57583293	101945	0.040	0.171	0.132	0.561
131458679	51895	0.271	0.227	0.221	0.185
159558655	33691	0.077	0.418	0.064	0.344
6420930	124597	0.268	0.158	0.300	0.177
94701451	80707	<0.001	0.279	<0.001	0.624
74659826	80166	0.226	0.156	0.308	0.213
155605157	37305	0.024	0.464	0.020	0.395
149763231	30888	0.283	0.148	0.310	0.162
106209408	50468	0.266	0.215	0.234	0.189
106111127	50468	0.266	0.215	0.234	0.189
106237742	50468	0.266	0.215	0.234	0.189
106092403	50468	0.266	0.215	0.234	0.189
106209408	50468	0.266	0.215	0.234	0.189
23262023	50468	0.266	0.215	0.234	0.189
161175129	37173	0.021	0.345	0.031	0.506
34345009	119430	<0.001	<0.001	0.577	0.326
118583389	61357	0.262	0.220	0.229	0.193
111683311	67562	0.305	0.167	0.278	0.153
113803843	69177	0.304	0.164	0.282	0.152
131357148	58645	0.032	0.443	0.029	0.398
126873355	82505	0.312	0.121	0.338	0.131

123837473	61024	<0.001	0.428	<0.001	0.475
119217415	58128	0.234	0.258	0.195	0.216
28125666	100524	0.068	0.051	0.446	0.338
5352150	127041	0.331	0.130	0.317	0.124
108097132	74987	0.335	0.149	0.289	0.129
131458679	55119	0.005	0.488	0.004	0.405
10324737	113931	<0.001	<0.001	0.617	0.286
111683311	66605	0.220	0.251	0.202	0.230
149763231	29422	0.069	0.363	0.075	0.395
131905472	64385	0.143	0.337	0.126	0.297
142568847	33385	0.181	0.304	0.155	0.261
120169840	63461	0.288	0.167	0.283	0.164
150486265	32181	<0.001	<0.001	0.553	0.349
57583293	97684	<0.001	0.204	<0.001	0.697
163008914	37407	0.026	0.429	0.026	0.421
55606949	124076	0.170	0.074	0.458	0.200
69748014	92665	<0.001	<0.001	0.632	0.269
102606036	44449	<0.001	0.484	<0.001	0.417
44221625	44449	<0.001	0.484	<0.001	0.417
14164030	98904	<0.001	<0.001	0.499	0.402
128186818	56265	0.281	0.198	0.248	0.175
153333499	37994	<0.001	0.434	<0.001	0.466
149492935	28550	0.068	0.375	0.071	0.387
6233936	113349	0.012	0.196	0.038	0.655
131905472	62547	<0.001	0.479	<0.001	0.421
500722	52830	0.026	0.304	0.045	0.526
131357148	58925	<0.001	0.474	<0.001	0.426
115881391	61176	0.109	0.350	0.105	0.337
128186818	51511	0.191	0.290	0.166	0.253
7590856	114889	0.083	0.188	0.192	0.437
130915732	61896	0.114	0.133	0.301	0.351
122743351	56174	<0.001	0.481	<0.001	0.420
129076442	54876	0.211	0.279	0.177	0.233
95007315	72179	0.287	0.163	0.286	0.163
107810709	74241	0.302	0.131	0.325	0.142
66438687	85855	0.341	0.166	0.264	0.129
123357972	57340	0.050	0.423	0.045	0.382
186339107	20972	0.011	0.497	0.009	0.383
121839986	60682	0.127	0.280	0.154	0.340
119217415	60869	0.281	0.209	0.235	0.175
111375686	60042	0.204	0.139	0.331	0.226
23066961	121316	0.145	0.069	0.464	0.221
52255039	49703	0.063	0.431	0.052	0.354
33294720	49703	0.063	0.431	0.052	0.354
55606949	116013	0.119	0.116	0.336	0.328

122933938	56300	<0.001	0.474	<0.001	0.426
23066961	113547	0.046	0.162	0.152	0.540
122933938	52288	0.046	0.429	0.041	0.384
130639954	58281	<0.001	0.260	<0.001	0.639
74486102	92328	<0.001	0.339	<0.001	0.560
51228965	93644	<0.001	<0.001	0.586	0.313
51228965	93644	<0.001	<0.001	0.586	0.313
75095538	78296	0.294	0.164	0.283	0.158
46035721	83864	<0.001	<0.001	0.404	0.495
135399507	47102	0.053	0.027	0.540	0.278
123837473	56999	0.051	0.434	0.044	0.370
103811362	77231	<0.001	0.235	<0.001	0.664
41150405	105749	<0.001	0.313	<0.001	0.586
151066536	36120	0.009	0.444	0.009	0.437
5250625	49253	0.300	0.178	0.264	0.157
227521	49253	0.300	0.178	0.264	0.157
67864407	103891	0.205	0.086	0.429	0.179
95036250	82186	0.144	0.103	0.379	0.272
113765621	68273	0.297	0.163	0.283	0.156
45412650	88726	0.171	0.114	0.369	0.245
36663576	100477	<0.001	0.273	<0.001	0.625
120643366	72416	0.328	0.144	0.296	0.130
63834331	93867	0.251	0.105	0.383	0.159
132336328	62303	0.032	0.439	0.029	0.398
113803843	65313	<0.001	0.466	<0.001	0.433
120549959	70614	0.315	0.134	0.315	0.134
159574524	41830	0.146	0.344	0.122	0.286
102668891	72576	0.094	0.090	0.365	0.350
36663576	92622	0.152	0.112	0.365	0.269
133515485	56193	0.150	0.327	0.132	0.288
137779369	39809	<0.001	<0.001	0.314	0.584
123837473	40343	0.241	0.257	0.193	0.206
41261540	40343	0.241	0.257	0.193	0.206
14164030	112080	<0.001	<0.001	0.533	0.365
5571282	134270	0.131	0.074	0.441	0.251
40569688	103144	<0.001	0.236	<0.001	0.662
99048952	82949	<0.001	0.393	<0.001	0.505
122618150	54198	0.212	0.157	0.304	0.225
61735106	42071	<0.001	0.464	<0.001	0.434
49470136	42071	<0.001	0.464	<0.001	0.434
132272512	57349	0.006	0.503	0.004	0.384
24802464	111482	0.183	0.135	0.333	0.246
150486265	30796	<0.001	<0.001	0.146	0.751
23066961	105896	0.094	0.105	0.331	0.367
136670448	39734	0.248	0.224	0.224	0.202

153508720	38391	<0.001	0.491	<0.001	0.406
7117796	24025	0.006	0.439	0.006	0.447
107643658	24025	0.006	0.439	0.006	0.447
183114727	24025	0.006	0.439	0.006	0.447
500722	75984	0.017	0.347	0.025	0.509
79717758	105095	0.333	0.141	0.297	0.126
131892530	59868	0.001	0.433	0.001	0.463
109605828	66742	0.333	0.156	0.278	0.130
113803843	60004	<0.001	0.467	<0.001	0.430
3451213	105573	<0.001	<0.001	0.552	0.345
106312010	77332	0.300	0.163	0.281	0.152
106312010	77332	0.300	0.163	0.281	0.152
106312010	77332	0.300	0.163	0.281	0.152
74760477	82256	0.309	0.177	0.261	0.149
43537173	103316	0.276	0.180	0.267	0.174
113542070	68253	0.289	0.199	0.242	0.166
125239046	65635	0.302	0.178	0.263	0.155
113803843	65313	<0.001	0.460	<0.001	0.436
5250625	37357	0.018	0.467	0.015	0.396
227521	37357	0.018	0.467	0.015	0.396
123819391	55137	0.052	0.449	0.041	0.355
155605157	37416	0.002	0.482	0.002	0.410
9987097	98507	<0.001	<0.001	0.270	0.626
120643366	63507	0.150	0.325	0.133	0.288
130560161	59588	<0.001	0.466	<0.001	0.429
163101661	38273	0.022	0.348	0.031	0.496
113803843	67754	<0.001	0.464	<0.001	0.432
113803843	69177	0.299	0.161	0.283	0.153
93401630	70438	0.298	0.173	0.269	0.156
55149473	119893	<0.001	<0.001	0.628	0.267
90759466	68132	0.002	0.487	0.001	0.405
177638164	26160	<0.001	0.496	<0.001	0.399
101204601	78810	0.275	0.143	0.314	0.163
5571282	125919	0.022	0.177	0.077	0.619
128050306	54744	0.237	0.239	0.209	0.210
122712003	55432	0.003	0.448	0.003	0.441
93215024	70156	0.221	0.114	0.369	0.191
74486102	83415	0.194	0.135	0.334	0.232
125239046	63465	0.290	0.192	0.249	0.164
103015237	81928	<0.001	<0.001	0.240	0.654
110473614	68977	0.260	0.203	0.242	0.189
131458679	59030	<0.001	0.485	<0.001	0.409
76862166	105764	<0.001	<0.001	0.581	0.313
500722	81765	0.194	0.100	0.397	0.204
49230190	101836	<0.001	<0.001	0.623	0.272

74659826	84663	0.226	0.138	0.330	0.201
127520626	57614	0.221	0.286	0.169	0.219
163101661	35216	0.219	0.140	0.326	0.209
107188010	69376	0.316	0.176	0.259	0.144
119164600	74478	0.309	0.163	0.276	0.146
112368377	68972	0.242	0.161	0.295	0.196
74760477	77938	0.290	0.194	0.245	0.165
110473614	59256	0.167	0.297	0.155	0.276
74904524	75841	0.309	0.173	0.264	0.148
74964913	75841	0.309	0.173	0.264	0.148
5571282	125409	0.098	0.100	0.345	0.351
81606399	105904	<0.001	<0.001	0.575	0.319
121839986	60990	0.100	0.304	0.121	0.369
106209408	52605	0.001	0.473	0.001	0.419
106111127	52605	0.001	0.473	0.001	0.419
106237742	52605	0.001	0.473	0.001	0.419
106092403	52605	0.001	0.473	0.001	0.419
106209408	52605	0.001	0.473	0.001	0.419
23262023	52605	0.001	0.473	0.001	0.419
153508720	37328	0.258	0.236	0.209	0.191
113542070	64423	<0.001	0.487	<0.001	0.407
848175	88023	0.345	0.133	0.299	0.116
55606949	112088	0.131	0.099	0.379	0.285
132272512	57349	0.005	0.479	0.005	0.405
33128762	115970	0.285	0.178	0.264	0.166
133515485	64719	0.187	0.287	0.166	0.254
106054732	70951	0.001	0.394	0.001	0.496
106175002	70951	0.001	0.394	0.001	0.496
4581788	124481	0.322	0.130	0.314	0.127
126873355	71925	0.241	0.184	0.266	0.203
73533277	81412	0.191	0.189	0.257	0.255
113803843	67754	<0.001	0.457	<0.001	0.435
67517450	91508	0.020	0.010	0.574	0.288
6233936	139416	0.129	0.096	0.383	0.284
28125666	106545	<0.001	0.127	<0.001	0.765
451100	50594	0.035	0.426	0.033	0.399
106312010	72844	0.176	0.284	0.165	0.266
106312010	72844	0.176	0.284	0.165	0.266
106312010	72844	0.176	0.284	0.165	0.266
95361501	78609	0.248	0.186	0.262	0.196
116438431	71022	0.294	0.185	0.253	0.159
4643223	104283	0.345	0.130	0.302	0.114
7590856	104257	0.053	0.205	0.131	0.502
118036315	72777	0.252	0.179	0.269	0.191
72542254	89560	<0.001	0.001	0.099	0.792

28125666	113431	0.085	0.044	0.503	0.260
115375675	80470	0.320	0.150	0.287	0.135
204738688	8625	0.006	0.490	0.005	0.391
123357972	61459	<0.001	0.467	<0.001	0.424
64455333	91752	0.341	0.135	0.298	0.118
74853907	81024	0.228	0.214	0.231	0.217
94701451	85194	0.163	0.119	0.353	0.257
79350535	100029	0.307	0.131	0.318	0.136
128186818	54041	0.240	0.237	0.208	0.206
113542070	66713	<0.001	0.485	<0.001	0.406
73533277	90223	<0.001	0.383	<0.001	0.508
33041244	115125	0.230	0.145	0.316	0.199
6655216	110694	<0.001	<0.001	0.616	0.275
122933938	59532	0.207	0.261	0.187	0.236
80263538	89981	0.302	0.142	0.304	0.143
57418956	105119	0.291	0.114	0.348	0.137
130346540	60106	0.055	0.384	0.057	0.396
42430474	103983	<0.001	0.362	<0.001	0.528
108097161	83535	0.325	0.148	0.287	0.130
113594393	68133	0.267	0.173	0.273	0.177
63886645	96865	0.284	0.118	0.345	0.143
95059455	73289	0.314	0.175	0.258	0.144
75529343	80973	0.231	0.230	0.215	0.214
4643223	123485	0.332	0.142	0.292	0.125
982954	88923	0.218	0.236	0.209	0.227
118583389	65781	<0.001	0.471	<0.001	0.418
74609433	79654	0.282	0.191	0.248	0.168
74659826	92638	<0.001	0.372	<0.001	0.518
72254448	83596	0.001	0.394	0.002	0.493
43867324	95938	0.042	0.030	0.476	0.342
86291243	98297	0.297	0.121	0.335	0.136
125239046	69883	0.287	0.189	0.249	0.164
28125666	107215	<0.001	0.127	<0.001	0.763
93632440	73074	0.243	0.170	0.281	0.196
74486102	98414	0.220	0.115	0.364	0.191
102668891	69519	0.023	0.155	0.090	0.622
91505271	70788	0.291	0.169	0.272	0.158
120549959	69392	0.008	0.437	0.008	0.437
94701451	84086	0.123	0.156	0.269	0.341
80291950	89978	0.288	0.133	0.320	0.148
89731687	80462	<0.001	0.360	<0.001	0.529
107006638	78786	0.282	0.191	0.248	0.168
6604114	120387	0.250	0.206	0.237	0.196
106054732	65226	0.014	0.378	0.018	0.480
106175002	65226	0.014	0.378	0.018	0.480

57607144	100705	<0.001	0.320	<0.001	0.569
6451280	120981	0.274	0.179	0.263	0.173
159173103	36844	0.040	0.425	0.037	0.387
6809981	116630	0.251	0.212	0.231	0.195
103989170	76112	0.227	0.246	0.200	0.217
125546150	62332	0.274	0.194	0.247	0.175
60058521	92293	0.216	0.117	0.360	0.195
86120772	99037	0.237	0.169	0.281	0.201
123837473	44587	0.229	0.261	0.186	0.212
41261540	44587	0.229	0.261	0.186	0.212
102826461	71413	0.216	0.231	0.214	0.228
6443598	122120	0.287	0.185	0.254	0.163
119217415	65106	0.007	0.474	0.006	0.401
36663576	104896	0.001	0.274	0.003	0.610
125546150	67228	0.095	0.371	0.086	0.336
64052176	94246	0.336	0.138	0.293	0.121
977604	95350	0.244	0.226	0.217	0.201
125401914	63634	0.309	0.185	0.246	0.147
45412650	94309	0.031	0.265	0.062	0.530
55530525	121005	<0.001	<0.001	0.618	0.270
10491284	115647	0.235	0.109	0.371	0.172
34308533	119636	<0.001	<0.001	0.568	0.320
118583389	62308	0.014	0.457	0.012	0.405
45961473	95072	<0.001	0.112	<0.001	0.776
115881391	69687	0.282	0.168	0.274	0.163
113891593	62938	0.016	0.311	0.027	0.533
127897682	55177	0.239	0.244	0.200	0.205
10166023	99738	0.288	0.141	0.307	0.151
135399507	47446	<0.001	0.080	<0.001	0.807
142888585	69971	<0.001	0.486	<0.001	0.402
176778841	25705	<0.001	0.472	<0.001	0.415
6560884	120087	0.250	0.207	0.235	0.195
128186818	54041	0.250	0.248	0.195	0.193
102597781	79581	<0.001	<0.001	0.284	0.604
123837473	61024	<0.001	0.477	<0.001	0.410
69740766	82261	0.283	0.197	0.240	0.167
91505271	66595	<0.001	0.459	<0.001	0.428
74609433	84185	0.284	0.188	0.249	0.165
5884095	117119	0.325	0.131	0.307	0.124
94333853	77169	<0.001	0.469	<0.001	0.417
55612141	120542	<0.001	<0.001	0.616	0.271
90759466	77604	0.215	0.262	0.185	0.225
106549425	77479	0.308	0.170	0.263	0.145
101965616	81401	0.136	0.317	0.130	0.304
127897682	57524	0.275	0.204	0.234	0.174

45933259	88142	0.291	0.175	0.263	0.158
559933	55532	0.039	0.435	0.034	0.379
107810709	67660	0.310	0.114	0.338	0.125
6233936	120167	0.147	0.061	0.480	0.199
60770958	82012	0.281	0.189	0.249	0.167
67258625	100411	0.339	0.134	0.296	0.117
6451280	108855	0.312	0.142	0.297	0.135
130560161	59319	0.069	0.393	0.063	0.361
113891593	65111	<0.001	0.345	0.001	0.539
28125666	111014	<0.001	0.126	<0.001	0.759
73533277	85333	0.201	0.178	0.269	0.238
114683083	79631	0.302	0.170	0.264	0.149
81606399	95750	<0.001	<0.001	0.165	0.720
18200091	107663	<0.001	0.071	<0.001	0.814
109605828	63739	0.218	0.263	0.183	0.221
60058521	86752	0.001	0.325	0.002	0.557
100778225	77657	0.285	0.195	0.240	0.164
45762871	88954	0.292	0.180	0.256	0.157
451100	78465	0.299	0.150	0.291	0.145
67487511	106210	0.354	0.140	0.280	0.111
68553520	86529	0.285	0.153	0.291	0.156
30867933	98751	0.309	0.150	0.287	0.139
113542070	59042	<0.001	0.485	<0.001	0.400
60695082	81670	0.286	0.192	0.244	0.164
133512655	59939	<0.001	0.463	<0.001	0.422
4581788	104950	0.315	0.130	0.311	0.129
108510283	78740	0.027	0.441	0.024	0.391
132336328	58249	0.006	0.459	0.005	0.415
95909615	82529	<0.001	0.433	<0.001	0.451
125401914	67590	0.300	0.191	0.241	0.153
74659826	95230	0.241	0.128	0.336	0.179
112368377	60386	<0.001	0.398	<0.001	0.486
129159022	57798	0.111	0.361	0.097	0.315
84456609	93496	0.333	0.157	0.268	0.127
977604	88681	0.227	0.247	0.196	0.213
129076442	59933	0.044	0.435	0.037	0.368
75422329	94760	0.259	0.118	0.349	0.159
70499083	99360	0.001	0.009	0.055	0.819
106068065	44986	0.168	0.300	0.149	0.267
90274235	44986	0.168	0.300	0.149	0.267
106068065	44986	0.168	0.300	0.149	0.267
129159022	58150	0.042	0.430	0.037	0.375
6980112	104010	0.306	0.141	0.299	0.138
75616173	84201	<0.001	<0.001	0.423	0.461
55427508	102709	0.007	0.004	0.556	0.317

56123491	115484	0.310	0.157	0.277	0.141
88427581	83933	0.284	0.145	0.301	0.154
129159022	60429	0.198	0.274	0.173	0.240
66043480	81052	0.226	0.264	0.182	0.212
102875522	74277	0.223	0.240	0.203	0.218
73848790	80705	<0.001	<0.001	0.446	0.438
41150405	100595	0.023	0.283	0.044	0.534
74369718	82231	0.264	0.203	0.236	0.181
20306909	124195	0.301	0.167	0.267	0.148
66460680	84944	0.298	0.147	0.294	0.145
93215024	60614	0.003	0.348	0.005	0.527
88427581	74977	0.226	0.201	0.241	0.215
90759466	74425	<0.001	0.476	<0.001	0.408
20270769	126071	0.278	0.161	0.282	0.163
112194655	74213	0.288	0.191	0.243	0.161
559933	85707	0.310	0.158	0.276	0.140
110723306	65899	<0.001	0.437	<0.001	0.446
91505271	66320	0.009	0.448	0.008	0.418
132018370	60607	0.001	0.453	0.001	0.429
46761056	87506	0.239	0.161	0.289	0.194
30914868	97178	0.334	0.162	0.261	0.127
56898006	109495	0.304	0.130	0.315	0.135
55462989	102596	0.271	0.179	0.261	0.172
89731687	73748	0.067	0.284	0.101	0.432
62330037	94709	0.333	0.142	0.286	0.122
105295744	76311	0.079	0.396	0.068	0.340
46703430	94845	<0.001	<0.001	0.194	0.689
128186818	51511	0.198	0.300	0.153	0.232
88427581	69461	<0.001	0.439	<0.001	0.444
115881391	66000	0.033	0.417	0.031	0.402
40470235	107052	0.289	0.108	0.354	0.132
122618150	51827	0.136	0.224	0.198	0.325
88733587	77494	<0.001	0.125	<0.001	0.757
46238694	99590	0.332	0.135	0.296	0.120
113149158	79134	0.266	0.195	0.244	0.178
102875522	71249	0.002	0.460	0.001	0.420
57625593	106108	0.298	0.123	0.327	0.135
46008404	102182	0.337	0.140	0.287	0.119
45412650	100576	0.268	0.117	0.346	0.151
89731687	77120	0.047	0.311	0.069	0.455
43771106	107733	0.278	0.130	0.324	0.151
112947722	70417	0.281	0.194	0.241	0.167
92371892	69088	0.227	0.218	0.224	0.214
74853907	81024	0.241	0.227	0.214	0.201
15311806	102436	0.174	0.287	0.159	0.262

1280185	96520	<0.001	<0.001	0.416	0.466
45915419	100884	0.336	0.141	0.285	0.120
51414651	83064	0.086	0.155	0.229	0.413
121839986	59187	0.252	0.140	0.314	0.175
20270769	129692	0.309	0.130	0.311	0.132
102606036	44470	<0.001	0.474	<0.001	0.408
44221625	44470	<0.001	0.474	<0.001	0.408
75254466	94250	0.320	0.148	0.283	0.131
95186753	78881	0.255	0.202	0.237	0.188
93215024	69334	0.037	0.310	0.058	0.477
110473614	65094	<0.001	0.456	<0.001	0.426
7032861	114960	0.244	0.207	0.233	0.198
57583293	89057	0.015	0.175	0.055	0.637
39891667	95370	0.276	0.163	0.278	0.165
56123491	118110	0.324	0.142	0.289	0.127
55290850	122022	0.309	0.131	0.310	0.132
40763087	112926	0.317	0.161	0.268	0.136
68553520	95107	0.301	0.134	0.309	0.138
110723306	68737	0.187	0.249	0.191	0.254
88348527	85087	0.318	0.157	0.272	0.134
55164412	122846	0.298	0.128	0.318	0.137
75452674	88735	0.015	0.384	0.018	0.464
55290850	104007	0.305	0.134	0.308	0.135
139440500	41075	0.065	0.404	0.057	0.354
93698847	74171	0.067	0.403	0.059	0.353
27190947	117323	0.323	0.132	0.302	0.124
45412650	100576	0.204	0.089	0.410	0.179
93698847	74982	0.276	0.190	0.245	0.169
79350535	92274	0.259	0.174	0.268	0.180
55462989	119742	0.307	0.136	0.303	0.134
158757871	32155	0.038	0.287	0.065	0.491
56734194	32155	0.038	0.287	0.065	0.491
46679168	88741	0.262	0.165	0.278	0.176
33041244	117560	0.261	0.112	0.356	0.152
56151274	118336	0.300	0.151	0.286	0.144
38937756	96735	0.301	0.165	0.268	0.147
53290068	94781	0.197	0.099	0.388	0.196
524479	49310	0.274	0.173	0.266	0.168
31638120	49310	0.274	0.173	0.266	0.168
39891667	103917	0.214	0.224	0.216	0.227
40540558	110730	0.218	0.142	0.315	0.205
89562421	78258	0.295	0.176	0.257	0.153
57525922	106074	0.344	0.137	0.286	0.114
23082615	122935	0.313	0.149	0.283	0.135
57583293	104909	0.147	0.060	0.478	0.195

33041244	110725	<0.001	0.367	<0.001	0.513
86120772	101169	0.285	0.119	0.336	0.140
113803843	60004	<0.001	0.454	<0.001	0.426
142545822	34593	0.160	0.261	0.174	0.284
112461253	59688	<0.001	0.454	<0.001	0.426
45762871	101426	0.315	0.137	0.298	0.130
74486102	96121	<0.001	0.330	<0.001	0.550
56507694	113522	0.333	0.137	0.290	0.120
89531284	78591	<0.001	0.457	<0.001	0.423
116438431	67363	0.195	0.278	0.168	0.239
95909615	87143	0.290	0.139	0.304	0.146
6604114	108627	0.313	0.139	0.296	0.131
79992080	90314	0.311	0.166	0.263	0.140
65629497	91901	0.284	0.142	0.303	0.151
30134827	117305	0.305	0.133	0.308	0.134
68861309	101769	0.305	0.136	0.303	0.135
94333853	76825	0.118	0.348	0.105	0.309
38613977	98429	0.294	0.172	0.261	0.152
56926728	117021	0.314	0.133	0.303	0.129
125239046	61093	0.194	0.277	0.168	0.240
6980112	114928	0.241	0.204	0.235	0.199
19232118	120872	0.329	0.142	0.285	0.123
86361269	99416	0.339	0.137	0.287	0.116
128186818	56668	0.018	0.449	0.015	0.397
55279321	110413	<0.001	<0.001	0.608	0.271
7245203	115836	0.254	0.216	0.221	0.188
63972015	94500	0.325	0.133	0.299	0.122
90759466	78541	0.294	0.184	0.246	0.155
53050763	92240	0.300	0.144	0.293	0.141
89731687	82058	0.219	0.136	0.323	0.200
25391772	111022	0.272	0.171	0.267	0.168
10328944	100525	0.326	0.162	0.261	0.130
95007315	77489	0.112	0.327	0.112	0.328
39825441	97586	0.300	0.179	0.250	0.149
102875522	80729	<0.001	0.459	<0.001	0.420
54077802	92682	0.306	0.150	0.283	0.139
87804824	47949	0.043	0.395	0.043	0.397
30256808	47949	0.043	0.395	0.043	0.397
129159022	53284	0.200	0.270	0.174	0.234
10328944	113379	0.330	0.153	0.270	0.125
57607144	108144	0.220	0.090	0.403	0.165
60058521	79453	0.187	0.130	0.332	0.230
131362223	58582	0.032	0.443	0.027	0.375
24802464	114714	0.017	0.292	0.032	0.538
123357972	65023	0.196	0.264	0.178	0.240

35776046	92452	0.293	0.174	0.258	0.153
61974021	76511	0.001	0.470	0.001	0.406
61951126	76511	0.001	0.470	0.001	0.406
65153211	91408	0.303	0.148	0.287	0.140
75095538	93422	0.300	0.146	0.290	0.141
95007315	74987	0.022	0.417	0.022	0.417
112947722	66296	<0.001	0.472	<0.001	0.406
109605828	73502	0.026	0.447	0.022	0.383
89562421	76566	<0.001	0.466	<0.001	0.411
74287199	82280	0.253	0.223	0.214	0.188
40984745	110283	<0.001	<0.001	0.504	0.373
45412650	98127	0.001	0.296	0.001	0.580
40786467	106897	0.314	0.167	0.259	0.138
112194655	70275	<0.001	0.475	<0.001	0.402
53290068	106748	<0.001	0.304	<0.001	0.574
91576994	71698	0.258	0.154	0.291	0.174
75785309	98678	0.332	0.143	0.282	0.121
86687748	100027	0.285	0.125	0.325	0.142
73611452	80779	0.227	0.229	0.210	0.211
93632440	63403	0.004	0.416	0.005	0.452
75452674	79628	0.222	0.171	0.274	0.211
55462989	117124	0.305	0.161	0.270	0.142
7735341	95530	0.273	0.197	0.236	0.171
94953844	77880	<0.001	0.481	<0.001	0.397
93698847	70781	<0.001	0.466	<0.001	0.411
75254466	78919	0.264	0.203	0.232	0.179
21910791	127006	0.312	0.151	0.279	0.135
115881391	66272	0.035	0.411	0.034	0.397
45011049	101646	0.322	0.142	0.286	0.126
67629039	106674	0.338	0.133	0.291	0.115
99775004	75175	0.266	0.225	0.209	0.177
142888585	62806	0.156	0.330	0.125	0.266
56494956	117115	0.337	0.146	0.275	0.119
57386644	94100	<0.001	<0.001	0.051	0.825
102079806	77901	0.242	0.154	0.294	0.187
56151274	121055	0.312	0.137	0.297	0.130
7461207	97219	0.249	0.185	0.254	0.189
103540128	73894	0.222	0.257	0.184	0.213
137366317	41547	0.331	0.082	0.372	0.092
24250243	127581	0.004	0.261	0.009	0.602
68861309	89476	0.273	0.166	0.271	0.165
10654647	104391	0.311	0.157	0.272	0.137
60058521	83692	0.100	0.221	0.173	0.383
112340026	60779	<0.001	0.456	<0.001	0.420
1366456	99045	0.200	0.223	0.214	0.239

4581788	131885	0.298	0.148	0.288	0.143
12269285	114471	0.319	0.145	0.284	0.129
43735519	101893	0.001	0.344	0.001	0.531
120169840	67525	0.007	0.435	0.007	0.426
116438431	62422	0.115	0.358	0.098	0.305
3692234	108656	<0.001	<0.001	0.485	0.391
99048952	80568	0.172	0.193	0.241	0.270
7590856	119110	0.160	0.103	0.373	0.240
7117796	24846	<0.001	0.424	<0.001	0.452
107643658	24846	<0.001	0.424	<0.001	0.452
183114727	24846	<0.001	0.424	<0.001	0.452
6463847	120668	0.255	0.210	0.226	0.185
115910519	63617	0.117	0.363	0.097	0.300
55462989	102596	0.282	0.186	0.246	0.162
95090392	72810	0.289	0.158	0.278	0.151
7032861	104276	0.308	0.141	0.292	0.134
80263538	85176	0.152	0.282	0.155	0.287
57976551	105543	0.298	0.136	0.303	0.139
23619110	123855	0.292	0.136	0.306	0.142
75422329	88325	0.014	0.356	0.019	0.487
40470235	99357	0.179	0.211	0.223	0.262
126873355	78029	0.232	0.187	0.252	0.204
80531877	84850	0.168	0.313	0.138	0.257
106054732	73523	<0.001	0.379	<0.001	0.496
106175002	73523	<0.001	0.379	<0.001	0.496
46761056	87506	0.220	0.148	0.303	0.204
132018370	55964	0.005	0.445	0.005	0.420
982954	74709	0.025	0.417	0.024	0.409
74321891	90770	<0.001	0.437	<0.001	0.439
54318499	97583	0.006	0.003	0.577	0.288
64052176	85613	0.247	0.223	0.213	0.192
45412650	100576	0.257	0.112	0.353	0.154
53290068	103061	<0.001	0.301	<0.001	0.574
105781926	76028	0.262	0.198	0.236	0.178
100778225	73654	0.092	0.383	0.078	0.323
64125916	96121	0.345	0.142	0.275	0.113
26241149	107668	0.287	0.164	0.270	0.154
74369718	86829	0.245	0.216	0.220	0.194
94953844	74961	0.023	0.461	0.018	0.373
125933230	69912	<0.001	<0.001	0.602	0.273
75677254	97661	0.320	0.137	0.292	0.125
56151048	118322	0.319	0.141	0.288	0.127
23712319	125172	0.297	0.138	0.301	0.139
23247993	134372	0.299	0.147	0.288	0.141
69740766	94122	0.330	0.141	0.283	0.121

75320722	94256	0.331	0.152	0.269	0.124
63834331	92026	0.147	0.198	0.226	0.305
54672972	98510	0.314	0.153	0.274	0.133
43820137	108060	0.322	0.151	0.273	0.129
122618150	56186	<0.001	0.363	<0.001	0.512
16482564	90494	0.156	0.276	0.160	0.283
80291950	94240	<0.001	0.413	<0.001	0.462
117103241	61323	<0.001	<0.001	0.404	0.471
57941007	102751	0.289	0.133	0.310	0.142
7294425	123996	0.227	0.184	0.256	0.208
36033998	94275	0.278	0.168	0.267	0.161
74321891	82241	0.239	0.196	0.241	0.198
55290850	119153	0.294	0.141	0.296	0.143
72542254	95206	<0.001	<0.001	0.455	0.419
80308593	103919	0.324	0.155	0.267	0.128
125401914	63806	<0.001	0.487	<0.001	0.387
30257693	117513	0.275	0.129	0.320	0.150
112461253	68056	0.268	0.184	0.250	0.172
78281910	119087	<0.001	<0.001	0.535	0.339
6980112	98008	0.250	0.192	0.245	0.188
45661329	88626	0.255	0.172	0.267	0.180
113765621	62120	0.014	0.435	0.013	0.413
113891593	65518	<0.001	0.342	<0.001	0.532
55841697	125394	0.336	0.146	0.273	0.119
136934068	43510	0.200	0.244	0.193	0.236
95036250	81034	0.116	0.123	0.308	0.327
46221741	101094	<0.001	<0.001	0.620	0.254
99193201	77796	<0.001	0.423	<0.001	0.451
9268825	114455	0.314	0.151	0.276	0.133
93525935	121982	<0.001	<0.001	0.521	0.353
52023213	95273	0.318	0.156	0.269	0.131
6463847	108552	0.322	0.146	0.279	0.127
12877545	140762	0.316	0.140	0.289	0.128
46008404	89357	0.298	0.179	0.248	0.149
23021540	122920	0.290	0.137	0.303	0.144
120643366	68040	0.165	0.296	0.148	0.265
6443598	109962	0.320	0.147	0.279	0.128
96297606	84712	0.315	0.161	0.263	0.134
7032861	98158	0.253	0.194	0.242	0.185
89418584	82205	0.302	0.177	0.249	0.146
56497289	114885	0.313	0.129	0.306	0.126
74287199	86796	0.251	0.222	0.212	0.188
95007315	77861	<0.001	0.436	<0.001	0.437
102745712	72076	0.214	0.223	0.214	0.223
12061925	112308	0.321	0.146	0.280	0.127

84651684	95791	0.314	0.147	0.281	0.132
10328944	96172	0.191	0.294	0.153	0.235
87710666	109422	0.293	0.133	0.307	0.140
123819391	62567	0.191	0.294	0.153	0.236
92371892	76417	0.283	0.157	0.278	0.155
117047610	61342	0.167	0.307	0.141	0.259
19638638	120486	0.291	0.122	0.324	0.136
6730573	108911	0.317	0.144	0.284	0.129
80263538	99869	0.277	0.153	0.285	0.157
45324678	100841	0.327	0.140	0.285	0.122
67629039	97280	0.300	0.172	0.255	0.147
117047610	67601	0.268	0.202	0.230	0.173
131458679	63033	0.219	0.255	0.184	0.214
6730573	108911	0.325	0.148	0.275	0.125
131458679	60694	0.071	0.407	0.059	0.336
109605828	70268	<0.001	0.471	<0.001	0.402
21672065	124993	0.046	0.374	0.049	0.404
45324678	89478	0.271	0.199	0.233	0.171
75529343	96643	0.309	0.142	0.289	0.133
45915419	83603	0.204	0.277	0.166	0.225
102606036	47643	0.223	0.245	0.193	0.212
44221625	47643	0.223	0.245	0.193	0.212
74847744	91815	0.302	0.140	0.294	0.137
131844411	61091	<0.001	0.453	<0.001	0.420
43625799	111448	0.279	0.133	0.313	0.149
63886645	91163	<0.001	0.391	<0.001	0.482
60770958	77042	0.164	0.299	0.145	0.265
54406080	96720	0.315	0.157	0.268	0.133
106549425	70403	0.271	0.204	0.228	0.171
153348097	37878	0.010	0.426	0.010	0.428
43735519	93097	<0.001	0.338	<0.001	0.535
43537173	109678	0.302	0.145	0.287	0.138
43019733	96723	0.323	0.155	0.266	0.128
88092852	90936	0.313	0.156	0.270	0.134
105295744	88543	0.289	0.178	0.251	0.154
80531877	98582	0.311	0.163	0.262	0.137
155162707	37266	0.018	0.433	0.017	0.404
4581788	122749	0.238	0.204	0.232	0.198
56497289	111998	0.262	0.179	0.256	0.175
45412650	88726	0.224	0.149	0.300	0.199
56123491	110182	0.283	0.178	0.253	0.159
41135723	108578	0.285	0.171	0.260	0.156
50237377	124092	0.304	0.140	0.293	0.135
40540558	96605	0.117	0.237	0.171	0.347
51568371	91989	0.307	0.158	0.269	0.139

120643366	71189	0.008	0.451	0.007	0.406
6929965	117098	0.250	0.209	0.225	0.188
74430881	82869	0.277	0.203	0.227	0.166
42994305	96194	0.296	0.145	0.290	0.141
51364020	92811	0.302	0.160	0.268	0.142
133515485	53073	0.088	0.374	0.078	0.332
94759605	74743	0.108	0.333	0.106	0.326
58652561	98918	<0.001	<0.001	0.568	0.304
93632440	72245	0.057	0.350	0.065	0.401
583494	86962	0.305	0.155	0.273	0.139
51472929	92831	0.285	0.149	0.287	0.151
45412650	88726	0.216	0.143	0.308	0.205
56151048	115692	0.303	0.155	0.274	0.140
127520626	60039	0.269	0.221	0.210	0.173
30081778	117421	0.325	0.140	0.285	0.123
36663576	106656	0.153	0.107	0.359	0.252
9811676	111665	0.313	0.148	0.279	0.132
9771126	113773	0.299	0.143	0.291	0.139
96115299	95251	0.304	0.148	0.282	0.137
44389808	111023	0.313	0.151	0.276	0.133
51039884	90482	<0.001	0.391	<0.001	0.480
106209408	48267	0.015	0.446	0.013	0.397
106111127	48267	0.015	0.446	0.013	0.397
106237742	48267	0.015	0.446	0.013	0.397
106092403	48267	0.015	0.446	0.013	0.397
106209408	48267	0.015	0.446	0.013	0.397
23262023	48267	0.015	0.446	0.013	0.397
109605828	74675	0.237	0.232	0.204	0.199
33041244	101318	0.073	0.286	0.104	0.408
115881391	63474	<0.001	0.442	<0.001	0.429
42430474	106297	0.208	0.148	0.301	0.214
160832677	33117	0.206	0.236	0.200	0.229
43805185	107443	0.284	0.134	0.308	0.145
114683083	68840	<0.001	0.466	<0.001	0.405
103989170	72346	<0.001	0.461	<0.001	0.410
45457517	106489	0.322	0.142	0.282	0.125
61981415	87534	<0.001	0.450	<0.001	0.421
95909615	76385	0.157	0.276	0.159	0.279
6730573	108911	0.328	0.149	0.271	0.123
52317145	98887	0.299	0.145	0.287	0.139
40540558	103565	0.025	0.333	0.036	0.477
62097994	83342	0.056	0.371	0.058	0.386
75452674	84318	0.010	0.378	0.013	0.469
16859854	87622	0.167	0.242	0.189	0.273
51568371	86644	<0.001	0.464	<0.001	0.407

89731687	77468	<0.001	0.354	<0.001	0.517
44221625	106916	0.306	0.146	0.283	0.136
6857377	121202	0.250	0.204	0.230	0.188
30257693	110577	<0.001	0.400	<0.001	0.471
25164879	112372	0.275	0.198	0.232	0.167
24250243	115654	0.151	0.104	0.363	0.252
106549425	76014	<0.001	0.468	<0.001	0.402
117873752	62287	0.014	0.449	0.012	0.396
94953844	77511	0.120	0.358	0.099	0.295
6857377	109374	0.312	0.142	0.286	0.131
95361501	83251	0.255	0.169	0.268	0.178
79717758	107196	0.314	0.146	0.280	0.130
93632440	68929	<0.001	0.409	<0.001	0.461
60695082	76939	0.182	0.287	0.155	0.246
9546187	140793	0.294	0.135	0.302	0.139
26700110	119056	<0.001	<0.001	0.609	0.261
30257693	115022	0.086	0.316	0.100	0.369
134021896	59970	0.081	0.207	0.163	0.419
6929965	105830	0.314	0.146	0.281	0.130
74369718	90606	<0.001	0.458	<0.001	0.412
20418404	131129	0.308	0.135	0.297	0.130
8939249	110637	0.317	0.150	0.274	0.130
10407454	100870	0.312	0.152	0.272	0.133
35776046	94895	0.298	0.165	0.262	0.145
41466217	123911	<0.001	0.426	<0.001	0.444
74853907	91782	0.312	0.146	0.280	0.132
112461253	62676	0.014	0.436	0.013	0.407
50746075	97293	0.244	0.134	0.318	0.175
44527588	105794	0.279	0.135	0.308	0.149
66438687	98454	0.333	0.153	0.263	0.121
51531295	91898	<0.001	<0.001	0.573	0.297
11919002	112336	<0.001	<0.001	0.605	0.265
41231271	107211	0.276	0.167	0.266	0.160
44374176	113094	0.314	0.150	0.274	0.131
51568371	86342	<0.001	0.464	<0.001	0.406
74321891	86762	0.230	0.203	0.232	0.205
74904524	79962	0.071	0.404	0.059	0.336
74964913	79962	0.071	0.404	0.059	0.336
44864163	104156	0.306	0.145	0.283	0.134
74369718	96516	0.297	0.159	0.269	0.144
7294425	112409	0.088	0.317	0.101	0.363
75616173	88978	<0.001	<0.001	0.024	0.845
18200091	107207	0.004	0.066	0.041	0.758
88348527	79605	0.183	0.285	0.157	0.244
75452674	95249	0.270	0.123	0.328	0.149

131362223	62863	0.217	0.254	0.183	0.215
62097994	93983	0.273	0.156	0.280	0.160
67864407	90801	0.052	0.216	0.117	0.485
133512655	52557	0.086	0.369	0.078	0.336
60770958	85651	<0.001	0.458	<0.001	0.411
66536213	97826	0.293	0.184	0.241	0.152
79350535	101993	0.286	0.142	0.295	0.146
32615353	115126	0.321	0.144	0.279	0.125
123837473	60840	0.003	0.409	0.003	0.454
7294425	105721	0.247	0.178	0.258	0.186
16286059	99366	0.325	0.133	0.292	0.119
155060014	37288	0.019	0.442	0.017	0.392
113594393	66644	<0.001	0.429	<0.001	0.440
117047610	64009	0.170	0.299	0.145	0.255
50505096	97728	0.308	0.149	0.277	0.135
74659826	89182	<0.001	0.373	<0.001	0.496
627181	89780	0.293	0.148	0.284	0.143
61974021	92462	0.295	0.171	0.255	0.148
61951126	92462	0.295	0.171	0.255	0.148
45412650	100576	<0.001	<0.001	0.605	0.264
32690252	115505	0.329	0.146	0.273	0.121
44645200	104610	0.298	0.144	0.288	0.139
73611452	84751	0.240	0.212	0.221	0.196
130915732	59928	0.032	0.207	0.085	0.545
31625987	101077	0.258	0.179	0.255	0.177
51414651	92868	0.163	0.087	0.404	0.216
125546150	64684	0.293	0.167	0.260	0.148
24231932	129172	0.288	0.182	0.244	0.154
52535777	89381	<0.001	<0.001	0.131	0.737
44174699	108111	0.303	0.144	0.286	0.136
5352150	114878	0.275	0.170	0.261	0.162
105781926	78579	0.009	0.446	0.008	0.406
55149473	101890	<0.001	<0.001	0.603	0.266
66043480	93391	0.322	0.157	0.262	0.127
7834491	115956	0.299	0.152	0.277	0.141
45412650	88726	<0.001	<0.001	0.521	0.347
107188010	75811	0.311	0.163	0.259	0.135
5884095	125233	0.269	0.176	0.257	0.167
145417545	33656	0.136	0.327	0.119	0.286
21672065	129108	0.277	0.141	0.298	0.152
86291243	96292	0.235	0.172	0.267	0.195
88692582	89297	0.313	0.160	0.261	0.134
71161640	106975	0.315	0.149	0.275	0.130
102668891	75045	0.038	0.144	0.143	0.544
27543446	131924	0.302	0.152	0.275	0.139

44881941	103475	0.313	0.148	0.277	0.131
73611452	93428	<0.001	0.451	<0.001	0.417
10166023	112727	0.285	0.137	0.302	0.144
74853907	91782	0.294	0.138	0.297	0.139
673578	92868	0.305	0.154	0.272	0.138
68553520	92747	0.041	0.387	0.042	0.399
4643223	130206	0.302	0.160	0.265	0.140
27089874	122865	0.325	0.140	0.282	0.121
55427508	119949	<0.001	<0.001	0.602	0.266
23066961	101472	0.015	0.173	0.054	0.626
31707540	101461	0.295	0.187	0.236	0.150
49066880	97985	0.329	0.144	0.275	0.120
10633236	118420	0.312	0.136	0.293	0.127
84456609	86640	0.288	0.196	0.228	0.155
88427581	78526	0.141	0.292	0.142	0.293
38962964	101447	0.285	0.156	0.276	0.151
61871847	92787	0.293	0.176	0.250	0.149
93835723	63826	0.004	0.428	0.004	0.431
121839986	63235	0.163	0.225	0.202	0.278
49488584	100592	0.316	0.146	0.278	0.128
103811362	76897	0.014	0.213	0.040	0.601
113149158	74498	<0.001	0.452	<0.001	0.416
115910519	72524	0.297	0.174	0.250	0.147
113803843	64919	0.001	0.449	0.001	0.417
69740766	85925	0.235	0.236	0.198	0.199
7461207	113484	0.223	0.207	0.227	0.210
64364232	100147	0.329	0.136	0.285	0.118
112340026	63890	0.014	0.438	0.013	0.402
54672972	115876	0.312	0.149	0.275	0.131
44109055	108262	0.308	0.146	0.280	0.133
43771106	92699	<0.001	0.398	<0.001	0.469
106312010	67343	0.016	0.432	0.015	0.404
106312010	67343	0.016	0.432	0.015	0.404
106312010	67343	0.016	0.432	0.015	0.404
16875432	105320	0.311	0.155	0.268	0.134
43883205	107044	0.311	0.147	0.278	0.132
66536213	112574	0.323	0.147	0.273	0.124
129076442	59584	0.113	0.357	0.096	0.301
34893318	101609	0.297	0.166	0.259	0.145
132336328	54674	0.170	0.284	0.155	0.258
7735341	116006	0.307	0.156	0.268	0.136
59817947	170342	0.311	0.155	0.267	0.134
110723306	69771	0.244	0.186	0.248	0.189
45182188	103465	0.315	0.137	0.289	0.126
88092852	82117	0.244	0.225	0.207	0.191

49249105	99140	0.297	0.128	0.309	0.133
52864704	103581	0.185	0.115	0.350	0.217
107270613	74943	0.310	0.160	0.262	0.135
44174699	96577	0.263	0.183	0.249	0.173
103989170	81181	<0.001	0.458	<0.001	0.409
583494	56409	0.039	0.427	0.033	0.368
13055303	112681	0.316	0.138	0.287	0.126
35288118	97118	0.297	0.161	0.266	0.143
33259028	121081	0.280	0.127	0.316	0.143
58248260	99844	<0.001	<0.001	0.595	0.272
79717758	96968	0.272	0.188	0.240	0.166
74609433	94497	0.301	0.159	0.266	0.141
52255039	56340	<0.001	0.466	<0.001	0.401
33294720	56340	<0.001	0.466	<0.001	0.401
43771106	96132	0.232	0.165	0.274	0.195
55164412	104415	0.297	0.133	0.301	0.135
72385635	85330	0.002	0.448	0.002	0.415
66460680	97473	0.299	0.137	0.295	0.135
142077635	38793	0.006	0.456	0.006	0.399
45933259	100793	0.312	0.131	0.298	0.125
21910791	110765	0.295	0.163	0.263	0.145
30662840	115601	0.283	0.173	0.254	0.156
62097994	87873	<0.001	0.427	<0.001	0.439
61871847	87322	<0.001	0.469	<0.001	0.397
25391772	130928	0.298	0.150	0.277	0.140
113542070	64000	0.001	0.471	0.001	0.393
61981415	87134	<0.001	0.447	<0.001	0.419
51452713	158582	0.299	0.151	0.276	0.139
97637023	82360	<0.001	0.458	<0.001	0.408
23318250	122894	0.308	0.142	0.284	0.131
113891593	67923	<0.001	0.330	<0.001	0.535
7215782	112669	0.241	0.209	0.222	0.193
107270613	70694	0.034	0.434	0.029	0.368
51568371	78913	0.006	0.468	0.005	0.387
32584227	114743	0.310	0.140	0.286	0.129
106312010	75869	<0.001	0.447	<0.001	0.418
106312010	75869	<0.001	0.447	<0.001	0.418
106312010	75869	<0.001	0.447	<0.001	0.418
32713184	183900	0.273	0.152	0.283	0.158
99775004	76808	0.020	0.459	0.016	0.371
42019844	103775	<0.001	0.435	<0.001	0.431
33041244	105362	0.212	0.148	0.297	0.208
43883205	95574	0.268	0.192	0.236	0.170
99918838	79518	0.259	0.216	0.213	0.177
119164600	70314	0.005	0.452	0.004	0.404

15311806	89089	0.116	0.339	0.104	0.306
40540558	101097	0.156	0.192	0.232	0.285
112194655	69935	<0.001	0.469	<0.001	0.396
35654068	124238	0.283	0.146	0.288	0.148
119164600	65606	0.158	0.300	0.140	0.267
5571282	110504	0.010	0.170	0.037	0.648
16213812	101684	0.319	0.134	0.290	0.122
105295744	81118	0.284	0.183	0.242	0.156
12031316	114999	0.337	0.148	0.264	0.116
44031382	108118	0.305	0.145	0.281	0.134
53693236	93779	0.281	0.134	0.304	0.146
44864163	97803	0.001	0.448	0.001	0.415
99775004	77105	0.002	0.476	0.002	0.385
3798185	121575	0.152	0.310	0.133	0.270
35016232	101468	0.288	0.154	0.276	0.147
22966171	120949	0.315	0.149	0.272	0.129
22988130	120949	0.315	0.149	0.272	0.129
22974603	120949	0.315	0.149	0.272	0.129
39390502	107325	0.101	0.228	0.165	0.371
72385635	88730	0.269	0.181	0.249	0.167
53496129	93847	0.298	0.146	0.283	0.138
128077046	67879	0.005	0.004	0.481	0.374
75095538	90872	0.002	0.437	0.002	0.423
43625799	104431	<0.001	0.406	<0.001	0.458
100778225	79681	<0.001	0.467	<0.001	0.398
95090392	78459	<0.001	0.441	<0.001	0.424
16875432	92262	0.174	0.295	0.147	0.249
118583389	58449	0.029	0.430	0.026	0.380
154627412	37735	0.019	0.450	0.016	0.379
88800022	98307	0.300	0.156	0.268	0.140
132018370	61844	0.128	0.315	0.122	0.300
74609433	88508	<0.001	0.458	<0.001	0.407
49780972	103585	0.295	0.139	0.293	0.138
132018370	60311	0.032	0.412	0.030	0.390
67864407	94691	0.173	0.096	0.384	0.212
160549306	32000	0.038	0.016	0.570	0.240
38608456	104466	0.245	0.141	0.303	0.175
72254448	98243	0.204	0.183	0.251	0.225
30081778	101235	0.238	0.226	0.206	0.195
7590856	111295	0.003	0.254	0.007	0.600
43625799	99536	0.245	0.157	0.281	0.180
34042568	120875	0.304	0.156	0.268	0.137
123819391	58852	0.003	0.476	0.003	0.382
123837473	64680	0.163	0.248	0.180	0.273
110473614	67798	0.190	0.257	0.177	0.239

131844411	65582	0.172	0.277	0.159	0.257
94333853	81595	0.276	0.180	0.246	0.161
42234747	104370	<0.001	0.440	<0.001	0.424
34851655	103942	0.300	0.167	0.255	0.142
41261540	112994	0.299	0.185	0.234	0.145
43969760	107151	0.293	0.139	0.292	0.139
41135723	106877	<0.001	0.451	<0.001	0.413
92371892	75328	0.049	0.387	0.048	0.380
154946871	35859	0.246	0.148	0.294	0.176
74760477	92899	0.305	0.159	0.262	0.137
74321891	94706	<0.001	0.430	<0.001	0.434
53899821	109613	0.059	0.037	0.469	0.298
75529343	90101	0.017	0.429	0.016	0.402
134021896	53241	0.045	0.230	0.096	0.492
6929965	99915	0.257	0.198	0.231	0.177
10654647	117442	0.322	0.136	0.286	0.121
124632186	68091	0.180	0.259	0.174	0.251
100778225	84914	0.282	0.183	0.241	0.157
24237414	128407	0.305	0.153	0.270	0.135
57039768	107687	0.327	0.139	0.279	0.119
134021896	64019	0.137	0.143	0.285	0.298
72385635	98558	<0.001	0.444	<0.001	0.420
96470357	94111	<0.001	0.430	<0.001	0.434
74904524	90608	0.312	0.151	0.270	0.131
74964913	90608	0.312	0.151	0.270	0.131
99775004	71627	0.132	0.348	0.105	0.278
50709196	96257	0.308	0.154	0.267	0.134
142888585	65423	0.228	0.249	0.185	0.202
12061925	98850	0.293	0.171	0.252	0.147
12877545	124940	0.264	0.189	0.239	0.171
75529343	93644	0.003	0.443	0.003	0.415
106312010	73072	0.016	0.430	0.015	0.403
106312010	73072	0.016	0.430	0.015	0.403
106312010	73072	0.016	0.430	0.015	0.403
49239789	99254	0.326	0.142	0.276	0.120
36033998	96624	0.294	0.148	0.280	0.141
120549959	66632	0.151	0.280	0.152	0.280
41875787	105177	<0.001	0.446	<0.001	0.417
56494956	114154	0.280	0.194	0.230	0.159
55462989	119742	0.318	0.141	0.280	0.124
24231932	151132	0.313	0.151	0.269	0.130
63834331	87902	0.006	0.332	0.010	0.515
95090392	78107	0.124	0.331	0.111	0.297
80334634	191045	0.282	0.165	0.263	0.154
52255039	51611	0.194	0.276	0.162	0.231

33294720	51611	0.194	0.276	0.162	0.231
90759466	74098	0.010	0.455	0.008	0.390
45915419	88284	0.296	0.178	0.243	0.146
33259028	118530	0.251	0.154	0.283	0.174
10407454	96683	0.153	0.311	0.132	0.267
96115299	90142	<0.001	0.450	<0.001	0.412
102668891	80088	0.050	0.137	0.180	0.496
44221625	95370	0.263	0.187	0.241	0.172
95007315	82102	0.249	0.180	0.252	0.182
93698847	65121	0.005	0.455	0.004	0.399
95186753	83540	0.268	0.180	0.248	0.167
60695082	90568	0.278	0.183	0.241	0.159
142460923	35428	0.226	0.177	0.258	0.202
64125916	87173	0.252	0.235	0.194	0.181
84651684	93852	0.094	0.361	0.084	0.323
55841697	122584	0.322	0.153	0.263	0.125
42234747	96272	0.206	0.235	0.197	0.225
103989170	82437	0.276	0.180	0.246	0.160
102269435	42076	0.096	0.303	0.111	0.352
68483369	42076	0.096	0.303	0.111	0.352
113803843	62867	0.014	0.429	0.013	0.406
95090392	78107	0.120	0.320	0.115	0.308
43754224	96972	0.233	0.165	0.272	0.192
34207797	119992	0.309	0.174	0.243	0.136
32713184	172910	<0.001	0.424	<0.001	0.439
116438431	64666	0.159	0.307	0.135	0.261
39371426	100277	0.271	0.148	0.287	0.157
31331273	101886	0.290	0.164	0.261	0.148
75095538	87143	0.020	0.418	0.020	0.404
120643366	68349	0.158	0.297	0.141	0.266
45412650	94707	<0.001	0.288	<0.001	0.574
89531284	94118	0.289	0.160	0.266	0.147
94953844	72185	0.301	0.174	0.245	0.142
19638638	113389	<0.001	0.407	<0.001	0.455
75254466	91595	0.003	0.454	0.003	0.403
51364020	79003	0.006	0.450	0.005	0.401
36663576	94843	0.115	0.130	0.290	0.327
99193201	71834	0.001	0.414	0.001	0.446
24608176	112180	0.257	0.191	0.238	0.176
45182188	88074	<0.001	0.448	<0.001	0.414
108510283	79865	0.279	0.178	0.247	0.158
65515085	92544	0.285	0.145	0.286	0.145
24608176	131302	0.294	0.152	0.275	0.142
75677254	94597	0.003	0.447	0.003	0.409
95090392	82735	0.265	0.189	0.238	0.169

56358296	103877	0.249	0.194	0.236	0.183
36079013	99302	0.312	0.160	0.258	0.132
75254466	87850	0.017	0.440	0.015	0.390
34252878	106543	0.279	0.182	0.242	0.158
41745432	93408	0.174	0.277	0.158	0.253
50686722	98147	0.309	0.151	0.269	0.132
153348097	40382	0.141	0.289	0.141	0.289
43754224	108630	0.276	0.128	0.312	0.145
124632186	59527	0.048	0.387	0.047	0.378
89418584	68618	0.002	0.475	0.001	0.383
20306909	127789	0.319	0.139	0.281	0.122
56151048	110370	0.278	0.173	0.253	0.158
31584798	113898	0.263	0.167	0.263	0.168
60058521	90551	0.058	0.264	0.097	0.442
56507694	110720	0.269	0.191	0.234	0.166
39467746	108393	0.273	0.184	0.241	0.162
118583389	66372	0.274	0.183	0.242	0.162
30441351	101037	0.237	0.236	0.194	0.194
99775004	81088	0.262	0.212	0.213	0.173
46008404	84560	0.211	0.258	0.176	0.216
14318260	93962	0.132	0.328	0.115	0.285
27376099	118890	0.228	0.116	0.342	0.175
64806861	115829	0.316	0.151	0.267	0.127
2252072	115175	<0.001	0.434	<0.001	0.426
38174066	97013	0.213	0.233	0.198	0.217
72748222	141763	0.224	0.171	0.265	0.201
43786644	107579	0.295	0.137	0.292	0.136
6730573	125702	0.268	0.183	0.243	0.166
31849697	102406	0.239	0.153	0.286	0.183
27961696	113207	0.296	0.153	0.271	0.140
42430474	99585	<0.001	0.347	<0.001	0.512
112461253	66948	<0.001	0.444	<0.001	0.416
10407454	113887	0.314	0.142	0.278	0.126
44527588	95235	0.233	0.173	0.261	0.194
75095538	82472	0.022	0.415	0.022	0.402
51452713	149709	<0.001	0.447	<0.001	0.413
30311792	120253	0.271	0.169	0.259	0.161
16286059	83806	0.164	0.296	0.143	0.257
115910519	68936	0.038	0.429	0.032	0.361
42994305	108527	0.265	0.170	0.259	0.166
98134347	84654	0.264	0.188	0.238	0.170
51452713	149125	<0.001	0.447	<0.001	0.413
41231271	97435	0.188	0.252	0.179	0.241
46933634	91817	0.243	0.204	0.224	0.188
25391772	114246	0.026	0.410	0.025	0.399

61871847	86910	<0.001	0.465	<0.001	0.394
75529343	85608	0.012	0.434	0.011	0.403
75422329	88677	0.013	0.351	0.017	0.479
30257693	101077	0.197	0.195	0.235	0.233
60695082	88604	0.009	0.451	0.007	0.392
2182451	122397	0.243	0.165	0.269	0.183
34345009	104448	0.268	0.176	0.251	0.164
12269285	100966	0.288	0.169	0.254	0.149
130560161	61494	0.057	0.392	0.052	0.358
25391772	111022	0.274	0.172	0.254	0.159
30662840	113115	0.091	0.361	0.082	0.325
7881961	120024	0.124	0.335	0.108	0.292
21077941	118687	0.131	0.326	0.116	0.287
132336328	62602	0.001	0.449	0.001	0.408
108097161	82311	0.239	0.217	0.212	0.192
1785803	122807	0.264	0.182	0.244	0.169
80263538	97756	0.085	0.338	0.087	0.349
46761056	100729	0.177	0.217	0.209	0.256
74430881	95449	<0.001	0.469	<0.001	0.391
95059455	83275	0.274	0.195	0.227	0.162
107006638	86260	0.298	0.158	0.263	0.140
108097132	65198	0.059	0.404	0.051	0.345
61871847	76523	0.001	0.468	0.001	0.389
103811362	82202	0.136	0.088	0.385	0.249
848175	103221	0.298	0.150	0.273	0.138
49201778	101955	0.327	0.143	0.270	0.118
56507694	102995	0.258	0.207	0.218	0.175
87710666	106371	<0.001	0.418	<0.001	0.441
74430881	87527	0.252	0.222	0.205	0.180
76921469	108319	0.292	0.156	0.268	0.143
76183314	101038	0.296	0.154	0.268	0.140
89418584	80258	<0.001	0.470	<0.001	0.389
41270472	105228	<0.001	0.457	<0.001	0.402
61974021	81845	0.060	0.403	0.051	0.345
61951126	81845	0.060	0.403	0.051	0.345
41150405	107433	0.190	0.109	0.355	0.204
131905472	57915	0.005	0.458	0.005	0.391
10166023	95399	0.161	0.254	0.172	0.271
26241149	125860	0.301	0.138	0.288	0.132
42994305	103025	<0.001	0.431	<0.001	0.428
46221741	88349	<0.001	<0.001	0.529	0.330
112461253	64511	<0.001	0.443	<0.001	0.416
34493607	112845	<0.001	0.389	<0.001	0.469
41270472	106910	0.281	0.176	0.246	0.155
42234747	106392	0.253	0.180	0.249	0.177

23021540	115512	<0.001	0.420	<0.001	0.438
6809981	105236	0.308	0.142	0.279	0.129
55462989	108015	0.275	0.185	0.238	0.160
30311792	113181	<0.001	0.438	<0.001	0.420
7656489	104785	0.086	0.342	0.086	0.344
80308593	98068	0.176	0.293	0.146	0.243
66043480	84479	0.206	0.272	0.164	0.216
47277641	90000	0.257	0.227	0.198	0.175
99918838	75800	0.140	0.330	0.116	0.272
51039884	95798	0.251	0.136	0.305	0.165
14137149	94864	0.127	0.331	0.111	0.289
73134002	84601	0.200	0.204	0.225	0.229
41745432	107370	0.255	0.191	0.235	0.176
63972015	85895	0.241	0.208	0.220	0.190
113803843	62867	0.014	0.432	0.013	0.399
107270613	70939	0.012	0.452	0.010	0.383
79992080	84909	0.163	0.301	0.138	0.255
41466217	125952	0.247	0.174	0.256	0.180
27472217	100365	0.005	0.416	0.005	0.432
107188010	71524	0.035	0.434	0.029	0.360
19232118	107950	0.179	0.284	0.153	0.242
42219084	147524	<0.001	0.434	<0.001	0.423
56151048	107964	0.257	0.195	0.231	0.175
120169840	64585	0.136	0.296	0.134	0.291
130346540	54747	0.031	0.388	0.032	0.406
92371892	65903	0.005	0.433	0.004	0.416
53693236	109215	0.255	0.161	0.271	0.171
160832677	31272	0.106	0.329	0.103	0.319
44645200	98042	<0.001	0.434	<0.001	0.423
108532542	87618	0.274	0.169	0.257	0.158
95059455	78637	0.122	0.346	0.101	0.287
34493607	120158	0.234	0.157	0.280	0.187
50709196	81936	0.005	0.454	0.005	0.393
7614690	113879	0.135	0.311	0.125	0.287
112368377	65348	<0.001	0.389	<0.001	0.468
42219084	150123	0.261	0.173	0.254	0.169
1366456	113585	<0.001	0.421	<0.001	0.436
16213812	85822	0.162	0.289	0.146	0.261
71161640	104194	0.253	0.204	0.222	0.179
59314285	84570	0.181	0.254	0.176	0.247
48863834	101119	0.286	0.127	0.308	0.137
74847744	76816	0.266	0.168	0.259	0.164
132336328	67201	0.178	0.273	0.161	0.246
25164879	115811	0.027	0.428	0.024	0.378
107810709	69783	0.026	0.389	0.028	0.415

1366456	114192	<0.001	0.421	<0.001	0.436
56358296	106641	0.263	0.171	0.256	0.166
55462989	108015	0.257	0.173	0.255	0.171
45324678	94891	<0.001	0.457	<0.001	0.400
101204601	81325	<0.001	0.403	<0.001	0.454
74853907	76770	0.279	0.175	0.248	0.156
100778225	79330	0.111	0.352	0.095	0.300
39760828	94765	0.293	0.175	0.243	0.145
108510283	69446	0.064	0.395	0.056	0.343
31625987	113801	0.262	0.169	0.259	0.167
16859854	100578	0.009	0.395	0.010	0.443
73134002	89644	<0.001	0.406	<0.001	0.451
30914868	100711	0.294	0.190	0.227	0.147
48863834	94686	0.003	0.411	0.003	0.440
98134347	73205	0.001	0.449	0.001	0.406
31849697	115160	0.238	0.157	0.278	0.183
55164412	119884	0.292	0.128	0.304	0.133
48271855	104222	0.181	0.252	0.177	0.247
107270613	68543	0.302	0.166	0.251	0.138
16213812	89145	0.288	0.162	0.260	0.147
30081778	105258	0.136	0.323	0.118	0.280
49647403	107084	0.318	0.150	0.264	0.124
60695082	84832	<0.001	0.459	<0.001	0.398
131357148	62925	0.207	0.243	0.187	0.219
34252878	121565	0.292	0.163	0.257	0.144
119164600	73664	0.008	0.445	0.007	0.397
80291950	93609	0.004	0.400	0.005	0.448
46035721	88668	<0.001	<0.001	0.534	0.322
115910519	68648	0.035	0.430	0.029	0.362
45011049	86957	<0.001	0.455	<0.001	0.402
67258625	91437	0.267	0.192	0.232	0.166
69748014	84595	<0.001	<0.001	0.428	0.429
99381871	78589	<0.001	0.468	<0.001	0.388
115375675	75726	0.035	0.417	0.031	0.373
1303516	113861	<0.001	0.449	<0.001	0.407
30441351	114403	0.095	0.371	0.080	0.311
31584798	101203	0.251	0.175	0.253	0.177
1301430	112512	<0.001	0.453	<0.001	0.403
75320722	83327	0.013	0.465	0.010	0.368
44864163	89294	<0.001	0.448	<0.001	0.408
41745432	97528	0.194	0.255	0.176	0.231
5352150	132106	0.279	0.159	0.266	0.152
43735519	101381	<0.001	0.338	<0.001	0.518
46933634	105236	0.168	0.230	0.193	0.265
95036250	75081	0.011	0.215	0.032	0.598

1454487	114193	<0.001	0.439	<0.001	0.417
113149158	68710	<0.001	0.453	<0.001	0.403
128050306	56961	0.252	0.201	0.224	0.179
4581788	111649	0.261	0.172	0.255	0.168
113594393	64327	<0.001	0.422	<0.001	0.434
34710133	101780	0.275	0.158	0.269	0.155
115375675	73056	<0.001	0.452	<0.001	0.404
42430474	95565	0.197	0.146	0.295	0.219
4643223	121389	0.244	0.210	0.216	0.186
56494956	109021	0.244	0.226	0.200	0.185
583494	80471	0.119	0.333	0.106	0.298
43805185	95910	0.239	0.171	0.260	0.186
116858236	112458	0.289	0.174	0.245	0.147
63834331	85087	0.179	0.151	0.286	0.241
41745432	105583	<0.001	0.445	<0.001	0.411
10491284	108801	<0.001	0.328	<0.001	0.528
74369718	94563	<0.001	0.448	<0.001	0.408
30662840	108994	<0.001	0.450	<0.001	0.406
99048952	87511	0.153	0.208	0.209	0.286
31478901	102207	0.287	0.172	0.248	0.149
24608176	115232	0.025	0.419	0.023	0.389
59314285	92625	<0.001	0.434	<0.001	0.422
559933	79688	0.022	0.431	0.019	0.384
43969760	95771	0.252	0.174	0.254	0.175
41856345	104436	<0.001	0.452	<0.001	0.403
75095538	87474	0.006	0.429	0.006	0.415
45915419	98087	0.148	0.314	0.126	0.267
97637023	88164	0.275	0.177	0.245	0.158
99193201	75361	0.193	0.221	0.206	0.235
85925975	89072	<0.001	<0.001	0.478	0.377
131844411	53714	0.237	0.207	0.220	0.192
6451280	117017	0.245	0.190	0.236	0.183
31913450	104028	0.277	0.180	0.242	0.156
96470357	100139	0.281	0.144	0.284	0.146
1680859	114674	<0.001	0.457	<0.001	0.398
12061925	94344	0.176	0.284	0.151	0.244
673578	85974	0.120	0.332	0.107	0.296
10654647	99723	0.134	0.322	0.118	0.282
77699115	193715	0.290	0.167	0.253	0.145
63886645	94915	0.161	0.224	0.196	0.274
89418584	73747	0.087	0.387	0.070	0.310
14137149	112080	0.268	0.183	0.240	0.164
44065477	97124	0.265	0.181	0.243	0.166
45412650	98127	0.001	0.361	0.001	0.492
57418956	97962	<0.001	0.386	<0.001	0.468

27701315	113037	0.286	0.143	0.283	0.142
94759605	78298	0.199	0.232	0.196	0.228
102079806	84624	0.121	0.267	0.145	0.321
21672065	107528	<0.001	0.410	<0.001	0.444
56151274	110271	0.253	0.190	0.235	0.176
39467746	96381	0.286	0.172	0.248	0.149
76183314	97985	0.006	0.442	0.005	0.402
3099643	172295	<0.001	0.433	<0.001	0.422
52862080	97448	<0.001	0.445	<0.001	0.409
106312010	70425	0.253	0.190	0.235	0.177
106312010	70425	0.253	0.190	0.235	0.177
106312010	70425	0.253	0.190	0.235	0.177
80308593	115311	0.304	0.161	0.254	0.135
102269435	48776	0.198	0.214	0.213	0.230
68483369	48776	0.198	0.214	0.213	0.230
125546150	60006	0.190	0.264	0.167	0.233
30914868	113533	0.295	0.181	0.235	0.144
51414651	90674	<0.001	0.242	<0.001	0.612
30867933	108609	<0.001	0.442	<0.001	0.412
41150405	97831	0.122	0.164	0.242	0.325
44221625	91095	<0.001	0.443	<0.001	0.411
31785723	102017	0.286	0.181	0.237	0.150
43735519	96474	0.195	0.138	0.305	0.216
132272512	66314	0.188	0.290	0.148	0.229
132272512	66314	0.181	0.280	0.154	0.238
3099643	171389	<0.001	0.432	<0.001	0.421
55462989	117124	0.281	0.148	0.278	0.146
43771106	101573	<0.001	0.395	<0.001	0.459
6730573	125702	0.273	0.186	0.235	0.160
75785309	95557	0.003	0.459	0.003	0.389
102745712	69245	0.040	0.386	0.040	0.388
30311792	117643	0.095	0.341	0.091	0.327
38230805	114415	0.256	0.163	0.266	0.169
29446558	129037	0.309	0.166	0.246	0.132
40786467	108627	0.280	0.188	0.230	0.155
57525922	94306	0.028	0.441	0.023	0.362
1785803	101510	0.140	0.310	0.125	0.278
21672065	112699	0.203	0.205	0.221	0.224
99381871	76283	0.242	0.226	0.199	0.186
88427581	80828	<0.001	0.415	<0.001	0.438
1680859	122631	0.270	0.186	0.236	0.162
96297606	73625	0.145	0.324	0.119	0.265
39891667	105725	0.249	0.176	0.251	0.178
45457517	93993	0.268	0.190	0.232	0.164
39390502	102747	<0.001	0.322	<0.001	0.531

30441351	117031	0.291	0.174	0.243	0.145
21077941	122695	0.310	0.144	0.273	0.126
125239046	68443	0.104	0.352	0.090	0.306
74430881	97523	0.305	0.161	0.253	0.134
31542101	114276	0.251	0.159	0.271	0.172
32615353	102867	0.282	0.177	0.242	0.152
54410906	114572	0.278	0.173	0.248	0.154
57583293	97311	0.016	0.177	0.054	0.607
74486102	91935	0.025	0.296	0.041	0.491
46679168	102223	0.216	0.200	0.227	0.210
30867933	115169	0.275	0.167	0.255	0.155
45412650	94309	0.039	0.336	0.050	0.429
76962568	99115	0.022	0.421	0.021	0.389
977604	111652	0.270	0.183	0.238	0.162
53290068	102620	<0.001	0.293	<0.001	0.559
80291950	85277	0.142	0.263	0.157	0.291
39371426	106265	<0.001	0.418	<0.001	0.435
53346690	108086	0.253	0.159	0.271	0.170
3534173	129197	0.241	0.188	0.238	0.186
67517450	100362	0.023	0.009	0.593	0.228
71993667	98584	0.247	0.215	0.208	0.182
40763087	104597	0.209	0.258	0.173	0.213
1454487	114768	<0.001	0.438	<0.001	0.415
10166023	106344	<0.001	0.412	<0.001	0.439
24802464	130630	0.204	0.105	0.359	0.184
7245203	105052	0.098	0.361	0.084	0.309
1680859	101254	0.144	0.318	0.121	0.269
91505271	60977	0.066	0.375	0.062	0.350
47277641	102189	0.197	0.279	0.156	0.220
132018370	64949	0.166	0.272	0.157	0.257
45011049	91826	0.262	0.191	0.231	0.168
50686722	92686	<0.001	0.455	<0.001	0.397
95090392	81541	0.218	0.230	0.197	0.207
1303516	114431	<0.001	0.447	<0.001	0.405
44374176	100927	0.268	0.193	0.228	0.164
6809981	121403	0.266	0.179	0.243	0.164
43537173	97770	0.271	0.168	0.255	0.158
53693236	102652	<0.001	0.411	<0.001	0.441
95909615	82146	0.073	0.344	0.076	0.358
95059455	82119	0.226	0.239	0.188	0.199
6730573	125702	0.271	0.185	0.236	0.161
71993667	87810	0.026	0.440	0.021	0.365
1862910	113025	<0.001	0.452	<0.001	0.400
45182188	97611	<0.001	0.443	<0.001	0.409
74287199	94850	<0.001	0.457	<0.001	0.394

93401630	66503	<0.001	0.448	<0.001	0.404
62097994	91685	0.008	0.412	0.009	0.423
43537173	94486	<0.001	0.437	<0.001	0.415
97637023	82668	<0.001	0.450	<0.001	0.401
1680859	114112	<0.001	0.456	<0.001	0.396
6463847	116747	0.255	0.198	0.224	0.174
56898006	98448	0.222	0.196	0.231	0.204
16286059	87158	0.264	0.192	0.229	0.166
90759466	71260	0.099	0.367	0.082	0.303
30134827	110432	<0.001	0.426	<0.001	0.426
37607525	100263	0.207	0.228	0.198	0.218
44031382	96723	0.264	0.179	0.244	0.165
41270472	97059	0.194	0.262	0.168	0.227
44065477	108528	0.298	0.141	0.279	0.133
76976029	105836	0.270	0.164	0.259	0.157
7656489	119522	0.257	0.164	0.262	0.168
112368377	67827	<0.001	0.387	<0.001	0.464
52520863	100916	0.291	0.168	0.248	0.143
117047610	59207	0.024	0.437	0.021	0.370
42019844	105652	0.250	0.179	0.246	0.176
84651684	90565	<0.001	0.449	<0.001	0.402
125401914	59222	0.197	0.280	0.154	0.220
1377019	113155	<0.001	0.435	<0.001	0.416
25391772	130928	0.286	0.144	0.280	0.141
74904524	88138	0.001	0.454	0.001	0.395
74964913	88138	0.001	0.454	0.001	0.395
57976551	89412	0.040	0.380	0.041	0.390
43771106	101524	0.001	0.390	0.001	0.460
10491284	102485	0.215	0.104	0.359	0.173
80291950	97905	0.080	0.321	0.090	0.360
73611452	95220	0.230	0.212	0.212	0.196
34345009	119430	0.278	0.157	0.266	0.150
31785723	114722	0.279	0.182	0.236	0.154
56358296	111796	0.268	0.162	0.262	0.159
113765621	64090	0.001	0.436	0.001	0.414
43820137	96487	0.270	0.193	0.226	0.162
79350535	87109	0.118	0.300	0.122	0.311
22303055	113682	0.043	0.410	0.037	0.361
18257536	112009	0.263	0.175	0.248	0.165
42081837	108360	0.276	0.195	0.222	0.157
94953844	82108	0.269	0.197	0.223	0.163
56926728	113717	0.118	0.315	0.114	0.305
66438687	89543	0.258	0.223	0.198	0.172
10407454	111191	<0.001	0.450	<0.001	0.400
53050763	105598	0.264	0.164	0.260	0.162

12031316	101181	0.306	0.177	0.233	0.135
44065477	101797	<0.001	0.438	<0.001	0.412
20418404	127332	0.281	0.152	0.271	0.147
52862080	103727	0.274	0.170	0.251	0.156
21669869	112367	0.211	0.214	0.211	0.214
30134827	114907	0.190	0.233	0.192	0.236
72254448	92897	<0.001	0.382	<0.001	0.469
53496129	102326	<0.001	0.436	<0.001	0.414
45762871	84432	0.144	0.307	0.128	0.272
50709196	90902	<0.001	0.455	<0.001	0.395
53899821	93433	0.057	0.027	0.518	0.249
125933230	63419	<0.001	<0.001	0.468	0.383
53693236	103068	<0.001	0.410	<0.001	0.440
21669869	128721	0.280	0.143	0.284	0.145
28125666	96588	<0.001	0.113	<0.001	0.737
108532542	86310	0.028	0.410	0.026	0.386
52023213	93500	<0.001	0.459	<0.001	0.391
34590138	120317	0.270	0.183	0.237	0.160
80531877	92991	<0.001	0.462	<0.001	0.388
74321891	96659	0.275	0.149	0.277	0.150
69740766	88578	<0.001	0.458	<0.001	0.392
7245203	120488	0.276	0.179	0.239	0.155
54406080	107086	<0.001	0.458	<0.001	0.392
72748222	120838	0.002	0.418	0.002	0.428
95361501	82038	0.135	0.279	0.142	0.294
52023213	89625	<0.001	0.461	<0.001	0.389
14318260	111342	0.266	0.187	0.233	0.164
64125916	90580	<0.001	0.474	<0.001	0.375
33259028	108302	0.233	0.165	0.265	0.187
24231932	133479	0.029	0.430	0.025	0.365
46238694	87024	0.279	0.172	0.246	0.152
42081837	106431	<0.001	0.470	<0.001	0.380
14228896	99047	0.255	0.206	0.215	0.173
42081837	98061	0.205	0.272	0.160	0.213
3798185	108820	0.254	0.204	0.217	0.174
45661329	98211	0.001	0.414	0.001	0.434
23021540	102653	0.033	0.381	0.035	0.400
44645200	94611	0.250	0.182	0.242	0.176
71718361	84672	0.001	0.450	0.001	0.398
16213812	98352	0.010	0.436	0.009	0.395
43867324	107457	0.007	0.003	0.570	0.270
1658559	114154	<0.001	0.443	<0.001	0.406
14788165	95013	0.279	0.184	0.233	0.154
45412650	84209	0.009	0.343	0.013	0.484
75785309	83101	0.192	0.270	0.161	0.226

84651684	90302	<0.001	0.448	<0.001	0.401
112340026	69434	0.265	0.175	0.247	0.162
56123491	107736	0.256	0.194	0.227	0.172
65515085	83478	0.169	0.255	0.169	0.256
45412650	98127	0.001	0.373	0.001	0.474
44881941	97188	0.001	0.450	0.001	0.397
44864163	94414	0.260	0.185	0.236	0.168
43883205	92056	<0.001	0.449	<0.001	0.400
88348527	75967	0.232	0.230	0.194	0.193
56507694	105667	0.237	0.219	0.204	0.189
27472217	117073	0.277	0.144	0.282	0.146
7215782	117267	0.267	0.175	0.246	0.161
40540558	104169	<0.001	0.350	<0.001	0.499
54077802	109278	0.269	0.173	0.248	0.159
66460680	91453	0.011	0.416	0.011	0.410
36079013	105367	<0.001	0.461	<0.001	0.387
7656489	115234	0.126	0.295	0.128	0.299
22303055	97388	<0.001	0.453	<0.001	0.396
96470357	91906	0.018	0.406	0.018	0.406
127520626	60342	0.029	0.447	0.022	0.350
34732170	103498	<0.001	<0.001	0.529	0.320
57418956	89961	0.030	0.350	0.037	0.432
21077941	114470	0.002	0.449	0.002	0.395
39264157	108471	0.264	0.203	0.216	0.166
22966171	100929	0.036	0.422	0.031	0.359
22988130	100929	0.036	0.422	0.031	0.359
22974603	100929	0.036	0.422	0.031	0.359
93835723	73413	0.251	0.172	0.253	0.172
67487511	96799	0.283	0.195	0.219	0.151
63972015	92511	0.174	0.268	0.160	0.247
40470235	101881	0.025	0.355	0.031	0.436
71718361	98878	0.240	0.208	0.214	0.185
20306909	113852	0.224	0.229	0.195	0.199
53496129	108878	0.266	0.168	0.254	0.160
89531284	84101	0.090	0.354	0.082	0.323
33128762	101948	0.088	0.353	0.081	0.326
56898006	101518	0.207	0.208	0.216	0.217
56926728	108613	0.216	0.214	0.210	0.208
57039768	96214	0.246	0.215	0.206	0.180
41231271	105488	<0.001	0.432	<0.001	0.416
112947722	66696	<0.001	0.456	<0.001	0.392
75422329	91959	0.002	0.356	0.003	0.486
3798185	121687	0.210	0.243	0.183	0.212
25164879	131479	0.297	0.153	0.262	0.135
133515485	60536	<0.001	0.448	<0.001	0.400

55606949	106535	0.093	0.119	0.278	0.357
7461207	110009	0.005	0.416	0.005	0.422
46761056	100729	0.164	0.201	0.217	0.265
2182451	113887	<0.001	0.406	<0.001	0.441
40569688	100117	0.096	0.117	0.285	0.349
10633236	111922	<0.001	0.437	<0.001	0.409
6929965	121815	0.266	0.180	0.240	0.162
99507759	82896	0.001	0.448	0.001	0.397
38937756	111446	0.278	0.165	0.253	0.150
94312706	86940	0.288	0.184	0.229	0.146
1377019	104974	0.028	0.404	0.027	0.389
14665181	115886	0.267	0.185	0.234	0.161
1280185	119646	<0.001	<0.001	0.499	0.348
113774999	68728	<0.001	<0.001	0.544	0.302
43019733	109099	0.281	0.180	0.236	0.151
80308593	108737	<0.001	0.461	<0.001	0.386
14228896	112301	0.270	0.187	0.231	0.160
44389808	99128	0.263	0.192	0.226	0.165
33259028	113924	<0.001	0.395	<0.001	0.451
106054732	75031	0.238	0.128	0.312	0.169
106175002	75031	0.238	0.128	0.312	0.169
1149533	95328	0.206	0.226	0.198	0.217
63886645	87877	0.207	0.172	0.256	0.212
71161640	100208	<0.001	0.451	<0.001	0.395
23318250	108953	0.136	0.306	0.124	0.280
56358296	114603	0.298	0.131	0.290	0.127
20418404	116721	0.216	0.216	0.207	0.207
43805185	101256	0.001	0.403	0.001	0.442
153348097	37994	<0.001	0.422	<0.001	0.424
101965616	71341	0.059	0.373	0.056	0.358
7614690	97798	0.253	0.187	0.233	0.172
18499986	111491	<0.001	<0.001	0.507	0.339
56507694	106079	<0.001	0.454	<0.001	0.392
60770958	90946	0.268	0.177	0.241	0.159
41270472	92926	0.180	0.273	0.156	0.237
132272512	61782	0.001	0.473	0.001	0.371
9546187	123134	0.070	0.347	0.072	0.358
34851655	118653	0.257	0.196	0.223	0.170
15311806	92634	0.271	0.175	0.243	0.157
10633236	100631	0.129	0.308	0.121	0.288
451100	72851	0.020	0.409	0.019	0.398
22303055	109718	0.002	0.448	0.002	0.394
20270769	115436	0.214	0.212	0.211	0.209
61981415	90872	0.009	0.427	0.008	0.402
44065477	102408	0.001	0.432	0.001	0.411

13055303	96439	0.245	0.200	0.221	0.180
73108519	94653	0.222	0.213	0.210	0.200
6560884	108292	0.305	0.134	0.282	0.124
38608456	120108	0.238	0.145	0.287	0.175
106549425	72860	0.174	0.281	0.149	0.241
96470357	94538	<0.001	0.421	<0.001	0.424
12269285	107064	<0.001	0.446	<0.001	0.399
16482564	102750	0.299	0.120	0.304	0.122
86361269	92324	0.253	0.210	0.209	0.173
18200091	96484	0.068	0.395	0.056	0.325
39825441	106409	0.221	0.237	0.187	0.200
30134827	105013	0.124	0.296	0.125	0.299
31970458	114502	0.274	0.182	0.234	0.155
32003195	114502	0.274	0.182	0.234	0.155
3534173	119916	0.202	0.224	0.199	0.220
1658559	122737	0.261	0.180	0.239	0.165
31919863	101920	0.277	0.181	0.234	0.153
30914868	107063	<0.001	0.470	<0.001	0.375
53346690	93624	0.268	0.136	0.292	0.148
74609433	91997	<0.001	0.447	<0.001	0.398
63834331	88340	<0.001	0.331	<0.001	0.513
14137149	98955	0.251	0.202	0.217	0.174
54410906	111853	0.029	0.417	0.026	0.373
67258625	93679	0.004	0.445	0.004	0.391
107006638	81262	0.037	0.409	0.033	0.364
88092852	85092	0.177	0.276	0.153	0.238
132272512	61782	0.001	0.454	0.001	0.389
16875432	102005	0.010	0.443	0.009	0.381
79717758	91659	0.124	0.324	0.109	0.287
3534173	97815	0.053	0.370	0.053	0.368
41231271	100444	0.002	0.428	0.002	0.413
9771126	107099	<0.001	0.427	<0.001	0.417
84456609	88344	<0.001	0.467	<0.001	0.377
84456609	82955	0.174	0.296	0.138	0.236
71718361	93684	<0.001	0.446	<0.001	0.398
88092852	87934	<0.001	0.452	<0.001	0.391
72748222	133222	0.050	0.354	0.055	0.385
7881961	124915	0.294	0.157	0.256	0.137
1658559	101296	0.139	0.308	0.123	0.274
106549425	73123	0.015	0.440	0.013	0.377
118036315	63605	0.026	0.379	0.028	0.412
43754224	102402	0.001	0.398	0.001	0.444
44174699	101938	0.001	0.428	0.001	0.414
72254448	92292	0.053	0.325	0.066	0.400
54410906	108139	<0.001	0.446	<0.001	0.398

39390502	97194	0.195	0.116	0.334	0.198
41150405	101075	<0.001	0.293	<0.001	0.551
107810709	70093	0.019	0.389	0.020	0.415
88427581	78822	<0.001	0.421	<0.001	0.422
110723306	65464	<0.001	0.417	<0.001	0.426
41875787	106973	0.251	0.184	0.236	0.172
45412650	94707	<0.001	0.357	<0.001	0.487
12031316	111667	<0.001	0.474	<0.001	0.370
24250243	132231	0.011	0.243	0.026	0.563
45182188	92781	0.260	0.180	0.239	0.165
43786644	96001	0.245	0.176	0.246	0.176
75677254	82171	0.197	0.244	0.179	0.223
74287199	96821	0.294	0.160	0.252	0.137
108097161	78455	0.031	0.416	0.028	0.368
41150405	93458	0.092	0.193	0.181	0.377
89562421	73656	0.056	0.392	0.050	0.345
6604114	125266	0.251	0.181	0.239	0.172
41856345	106219	0.257	0.189	0.229	0.168
100229616	124992	0.218	0.197	0.225	0.203
23247993	118094	0.138	0.291	0.133	0.281
6980112	111627	0.005	0.422	0.005	0.411
56494956	109448	<0.001	0.463	<0.001	0.380
56497289	106948	0.219	0.206	0.215	0.202
1366456	105809	0.026	0.381	0.028	0.407
86687748	93563	0.126	0.300	0.123	0.293
112368377	64990	<0.001	0.382	<0.001	0.460
39390502	93707	0.043	0.268	0.073	0.458
21669869	119787	0.002	0.414	0.002	0.424
44645200	98507	<0.001	0.427	<0.001	0.416
2908171	117016	<0.001	0.444	<0.001	0.398
18257536	99121	0.116	0.318	0.109	0.299
524479	45848	0.006	0.413	0.006	0.418
31638120	45848	0.006	0.413	0.006	0.418
94312706	82192	<0.001	0.470	<0.001	0.372
49249105	84843	0.021	0.389	0.022	0.409
84456609	88546	<0.001	0.466	<0.001	0.376
25189552	135210	0.288	0.150	0.266	0.138
42994305	101438	<0.001	0.425	<0.001	0.416
21910791	123157	0.046	0.398	0.041	0.356
131844411	60787	0.031	0.406	0.029	0.376
7294425	120882	0.017	0.377	0.019	0.428
102269435	45744	0.080	0.317	0.089	0.356
68483369	45744	0.080	0.317	0.089	0.356
43820137	92990	<0.001	0.457	<0.001	0.385
34345009	112139	<0.001	0.430	<0.001	0.412

57525922	98823	<0.001	0.458	<0.001	0.383
88904684	81852	0.008	0.004	0.544	0.285
68869440	93330	0.011	0.090	0.078	0.663
39371426	105574	0.034	0.378	0.036	0.393
16213812	95703	<0.001	0.440	<0.001	0.401
92371892	72028	<0.001	0.428	<0.001	0.414
45412650	94309	0.037	0.319	0.051	0.435
44109055	102140	0.001	0.438	0.001	0.402
52023213	83550	0.064	0.394	0.054	0.329
8939249	95982	0.063	0.392	0.053	0.333
105295744	83271	0.008	0.441	0.007	0.385
22303055	110102	<0.001	0.447	<0.001	0.394
100229616	135110	0.182	0.234	0.186	0.239
126873355	74251	0.181	0.220	0.198	0.242
80291950	99880	0.259	0.139	0.288	0.155
127897682	57957	0.018	0.437	0.015	0.372
6420930	129680	0.225	0.170	0.254	0.192
13055303	100672	0.262	0.182	0.234	0.163
80334634	180203	<0.001	0.434	<0.001	0.407
31542101	97469	0.203	0.196	0.225	0.217
55290850	114109	0.192	0.229	0.192	0.229
95361501	73543	0.186	0.223	0.197	0.236
64364232	94480	<0.001	0.451	<0.001	0.390
34207797	105160	0.288	0.189	0.219	0.144
66536213	102062	0.219	0.241	0.182	0.200
49249105	93184	<0.001	0.410	<0.001	0.431
10480568	115035	<0.001	<0.001	0.574	0.267
34042568	106374	0.273	0.177	0.238	0.154
23712319	109949	0.133	0.299	0.126	0.283
6451280	125861	0.243	0.187	0.232	0.179
9771126	110034	0.122	0.303	0.120	0.296
15311806	105817	0.256	0.181	0.236	0.168
95186753	73666	0.246	0.190	0.228	0.176
51472929	90795	<0.001	0.417	<0.001	0.423
39467746	101788	<0.001	0.446	<0.001	0.394
128186818	56668	0.018	0.451	0.014	0.357
3798185	130995	0.250	0.199	0.218	0.173
84456609	91826	0.095	0.370	0.076	0.299
61735106	45262	<0.001	0.432	<0.001	0.408
49470136	45262	<0.001	0.432	<0.001	0.408
45661329	100933	0.286	0.126	0.298	0.131
27190947	100688	0.235	0.200	0.219	0.186
3099643	184567	0.231	0.195	0.224	0.190
10491284	112987	<0.001	0.325	<0.001	0.515
912173	99995	<0.001	0.439	<0.001	0.402

7294425	128940	0.243	0.153	0.272	0.171
126873355	80804	0.090	0.311	0.099	0.340
57607144	91821	0.024	0.271	0.044	0.501
35230589	121455	0.226	0.182	0.239	0.193
173886465	26285	0.001	0.464	0.001	0.374
1301430	82289	0.019	0.429	0.017	0.374
1862910	86774	0.029	0.415	0.026	0.369
112947722	69017	<0.001	0.451	<0.001	0.388
133512655	59655	0.124	0.316	0.113	0.287
34893318	108860	0.001	0.442	0.001	0.397
31584798	111305	<0.001	0.418	<0.001	0.421
34493607	102064	0.111	0.264	0.138	0.327
6463847	125518	0.252	0.195	0.222	0.171
33259028	103943	0.077	0.314	0.088	0.361
93401630	66077	0.088	0.354	0.079	0.318
53496129	102752	<0.001	0.430	<0.001	0.409
106209408	52125	0.165	0.277	0.149	0.249
106111127	52125	0.165	0.277	0.149	0.249
106237742	52125	0.165	0.277	0.149	0.249
106092403	52125	0.165	0.277	0.149	0.249
106209408	52125	0.165	0.277	0.149	0.249
23262023	52125	0.165	0.277	0.149	0.249
117047610	64232	0.002	0.450	0.002	0.385
87710666	100092	0.210	0.198	0.222	0.209
99507759	89468	<0.001	0.443	<0.001	0.396
53290068	109126	0.176	0.110	0.341	0.213
18200091	111460	0.094	0.360	0.080	0.305
34345009	116684	0.001	0.427	<0.001	0.411
9811676	108235	0.134	0.308	0.120	0.276
2252072	114561	<0.001	0.423	<0.001	0.416
43735519	101918	<0.001	0.332	<0.001	0.507
20270769	109812	<0.001	0.419	<0.001	0.420
6929965	113700	0.005	0.436	0.005	0.392
75320722	91486	0.003	0.459	0.002	0.375
21910791	105712	<0.001	0.446	<0.001	0.393
74737025	93251	<0.001	<0.001	0.550	0.289
64455333	90047	0.101	0.346	0.088	0.303
38172981	98415	<0.001	<0.001	0.402	0.436
35288118	104013	0.001	0.440	0.001	0.398
88348527	79916	<0.001	0.452	<0.001	0.387
2182451	89886	0.029	0.389	0.029	0.392
982954	111972	0.255	0.173	0.245	0.166
30662840	99600	0.222	0.220	0.199	0.197
6730573	117114	0.006	0.443	0.005	0.385
56926728	105317	0.229	0.199	0.220	0.191

54410906	107683	0.054	0.390	0.048	0.347
27089874	109686	0.249	0.202	0.214	0.174
42065227	93203	0.169	0.266	0.157	0.246
14665181	97386	0.127	0.321	0.111	0.279
101965616	78132	<0.001	0.428	<0.001	0.410
43820137	101866	0.001	0.449	0.001	0.387
65515085	80918	0.148	0.273	0.147	0.271
122743351	54180	0.263	0.187	0.227	0.162
99193201	77407	<0.001	0.405	<0.001	0.433
38326352	109050	<0.001	0.437	<0.001	0.401
84651684	88517	0.247	0.199	0.217	0.175
131892530	64257	0.154	0.253	0.163	0.267
44389808	104737	0.001	0.447	0.001	0.389
52023213	89914	<0.001	0.454	<0.001	0.384
46761056	94823	<0.001	0.361	<0.001	0.477
93401630	63804	0.078	0.366	0.069	0.325
42081837	101297	<0.001	0.465	<0.001	0.372
912173	107465	0.262	0.176	0.239	0.160
160724611	32136	<0.001	<0.001	0.398	0.440
16875432	99494	<0.001	0.450	<0.001	0.387
24802464	127863	0.009	0.294	0.015	0.520
41135723	102150	<0.001	0.437	<0.001	0.400
6730573	117114	0.005	0.433	0.005	0.394
96297606	77368	0.017	0.444	0.014	0.362
74853907	85562	0.043	0.399	0.039	0.357
31478901	98114	0.227	0.221	0.197	0.192
10654647	111015	<0.001	0.443	<0.001	0.394
52864704	94034	0.098	0.181	0.196	0.362
12061925	104962	<0.001	0.448	<0.001	0.389
87710666	102581	0.184	0.222	0.195	0.236
74853907	89197	<0.001	0.415	<0.001	0.421
113803843	64919	0.001	0.429	0.001	0.407
41270472	100755	<0.001	0.446	<0.001	0.392
54077802	102947	<0.001	0.435	<0.001	0.402
76183314	94721	0.018	0.421	0.016	0.382
18257536	109054	0.089	0.342	0.084	0.323
45661329	94991	<0.001	0.411	<0.001	0.426
10328944	110649	<0.001	0.460	<0.001	0.377
1680859	107496	0.029	0.421	0.025	0.362
1377019	112555	<0.001	0.428	<0.001	0.409
14318260	98134	0.266	0.182	0.231	0.158
44881941	93784	0.260	0.186	0.228	0.163
6857377	117621	0.005	0.428	0.005	0.398
72254448	86958	0.223	0.148	0.280	0.186
41261540	111195	<0.001	0.468	<0.001	0.369

32713184	157302	0.104	0.305	0.109	0.318
51568371	90116	<0.001	0.445	<0.001	0.392
44109055	96738	0.259	0.180	0.235	0.163
95186753	79231	<0.001	0.434	<0.001	0.403
76183314	90094	0.013	0.429	0.011	0.384
34493607	105036	0.226	0.148	0.279	0.183
31913450	116984	0.268	0.176	0.237	0.156
38174066	105332	<0.001	0.433	<0.001	0.403
31478901	115015	0.273	0.173	0.239	0.151
47277641	95785	0.003	0.463	0.003	0.367
38326352	100511	0.211	0.227	0.192	0.206
73533277	95683	0.184	0.179	0.239	0.234
912173	91934	0.230	0.210	0.208	0.189
22966171	113641	<0.001	0.448	<0.001	0.388
22988130	113641	<0.001	0.448	<0.001	0.388
22974603	113641	<0.001	0.448	<0.001	0.388
66438687	92421	0.012	0.455	0.010	0.359
89562421	65458	0.002	0.449	0.001	0.384
41231271	93186	0.146	0.280	0.140	0.269
36033998	108757	0.232	0.195	0.222	0.187
54077802	106624	<0.001	0.434	<0.001	0.402
44031382	101399	<0.001	0.434	<0.001	0.402
14137149	105044	0.086	0.356	0.077	0.317
23082615	102868	0.036	0.405	0.032	0.363
40569688	107870	0.149	0.070	0.420	0.197
19232118	102348	0.182	0.269	0.155	0.230
42019844	98718	<0.001	0.420	<0.001	0.415
23082615	107280	0.208	0.233	0.186	0.209
20306909	108277	<0.001	0.447	<0.001	0.389
55530525	113541	<0.001	<0.001	0.117	0.719
45412650	84209	0.010	0.352	0.013	0.462
40470235	94945	0.123	0.248	0.154	0.310
73401790	84588	0.227	0.221	0.197	0.191
60770958	85184	<0.001	0.441	<0.001	0.395
74853907	85927	<0.001	0.418	<0.001	0.417
31331273	114894	0.268	0.169	0.245	0.154
33128762	111507	<0.001	0.434	<0.001	0.402
112461253	64140	<0.001	0.431	<0.001	0.405
126873355	78380	0.033	0.367	0.036	0.400
34308533	104732	<0.001	<0.001	0.505	0.330
6604114	116600	0.005	0.422	0.005	0.403
7461207	117776	0.253	0.163	0.255	0.164
42065227	100807	<0.001	0.433	<0.001	0.402
64806861	105162	0.207	0.251	0.170	0.207
14788165	108445	0.265	0.187	0.225	0.158

7735341	101266	0.088	0.362	0.075	0.309
32584227	102483	0.268	0.169	0.244	0.154
39825441	102027	<0.001	0.453	<0.001	0.381
34851655	116001	0.001	0.447	<0.001	0.387
99381871	82403	0.194	0.261	0.162	0.218
57941007	87041	0.037	0.362	0.040	0.395
2783360	118416	<0.001	0.447	<0.001	0.388
1301430	111943	<0.001	0.442	<0.001	0.393
34893318	116161	0.247	0.192	0.223	0.173
76944650	89993	0.098	0.336	0.090	0.311
59817947	145952	0.063	0.386	0.054	0.331
119217415	62135	0.004	0.449	0.004	0.378
64455333	86549	<0.001	0.446	<0.001	0.389
14137149	108805	0.004	0.438	0.004	0.389
6420930	112239	0.266	0.122	0.305	0.141
34590138	105449	0.275	0.175	0.236	0.150
54077802	102513	0.004	0.429	0.004	0.397
42430474	92240	0.044	0.287	0.067	0.436
73108519	80772	0.216	0.214	0.203	0.202
7614690	118073	0.264	0.170	0.243	0.157
23247993	113280	0.037	0.387	0.036	0.374
114683083	74717	0.001	0.443	0.001	0.390
24250243	128221	<0.001	0.253	<0.001	0.581
35776046	104934	<0.001	0.440	<0.001	0.393
2908171	116404	<0.001	0.440	<0.001	0.394
131357148	55251	0.005	0.437	0.004	0.388
80308593	112827	0.100	0.354	0.084	0.296
113594393	63911	0.001	0.411	0.001	0.422
2182451	114498	<0.001	0.400	<0.001	0.434
7834491	108337	0.005	0.427	0.005	0.397
7461207	110519	0.007	0.407	0.007	0.412
76962568	95829	0.015	0.421	0.013	0.384
64364232	90892	0.198	0.251	0.170	0.215
912173	99507	0.026	0.410	0.023	0.375
62330037	88921	<0.001	0.449	<0.001	0.385
31970458	101952	0.275	0.180	0.229	0.150
32003195	101952	0.275	0.180	0.229	0.150
42234747	99997	<0.001	0.421	<0.001	0.412
72385635	100500	0.227	0.202	0.214	0.191
24237414	113159	0.025	0.419	0.022	0.369
12031316	96583	0.129	0.346	0.097	0.262
31707540	114287	0.278	0.181	0.227	0.148
88800022	87703	0.093	0.351	0.082	0.308
50746075	91881	<0.001	0.359	<0.001	0.475
1454487	100070	0.135	0.301	0.123	0.274

44645200	89988	<0.001	0.423	<0.001	0.410
99048952	76762	0.001	0.360	0.001	0.472
72748222	126388	0.028	0.386	0.029	0.390
76962568	90328	0.098	0.336	0.090	0.309
39760828	105379	0.265	0.186	0.225	0.157
108532542	76099	0.062	0.367	0.059	0.345
76944650	99082	<0.001	0.430	<0.001	0.403
100229616	118943	0.001	0.407	0.002	0.423
72385635	94429	0.056	0.374	0.052	0.350
54406080	113433	0.277	0.172	0.237	0.147
105781926	83229	0.279	0.157	0.253	0.143
116438431	67620	0.065	0.383	0.056	0.329
35016232	115925	0.233	0.191	0.225	0.184
101204601	86423	0.250	0.140	0.284	0.159
74853907	85562	0.041	0.376	0.040	0.376
106054732	70753	0.141	0.227	0.178	0.286
106175002	70753	0.141	0.227	0.178	0.286
89562421	74007	<0.001	0.442	<0.001	0.390
64364232	98159	0.109	0.337	0.094	0.292
14665181	101736	0.270	0.176	0.234	0.153
5884095	125774	0.017	0.409	0.016	0.390
43625799	105130	0.094	0.294	0.107	0.337
6560884	116289	0.005	0.428	0.005	0.394
1301430	120341	0.259	0.180	0.232	0.161
100229616	128595	<0.001	0.409	<0.001	0.423
133512655	64071	0.171	0.265	0.155	0.240
108510283	75344	0.017	0.426	0.015	0.374
95361501	78998	<0.001	0.405	<0.001	0.427
35230589	118806	<0.001	0.404	0.001	0.427
88692582	79825	0.157	0.300	0.129	0.246
40763087	114807	0.272	0.181	0.228	0.151
49201778	95869	<0.001	0.457	<0.001	0.375
38962964	116853	0.253	0.168	0.246	0.164
22303055	117419	0.299	0.144	0.263	0.126
110473614	64634	0.052	0.378	0.049	0.352
45324678	84874	<0.001	0.446	<0.001	0.385
33128762	106069	0.254	0.179	0.233	0.165
31919863	97586	0.228	0.221	0.194	0.188
51039884	81687	0.004	0.364	0.005	0.458
44374176	105891	<0.001	0.444	<0.001	0.387
31970458	97616	0.230	0.222	0.193	0.186
32003195	97616	0.230	0.222	0.193	0.186
41270472	100257	0.001	0.441	0.001	0.387
31542101	114022	0.268	0.170	0.240	0.152
31550299	114022	0.268	0.170	0.240	0.152

76944650	102162	0.008	0.420	0.007	0.395
131905472	62237	0.032	0.411	0.028	0.360
108097132	70437	0.028	0.418	0.024	0.360
123819391	59029	<0.001	0.461	<0.001	0.370
67258625	94097	0.017	0.425	0.015	0.373
2252072	123072	0.250	0.169	0.246	0.166
41135723	101664	0.033	0.400	0.030	0.367
53050763	103364	<0.001	0.419	<0.001	0.412
34893318	98602	0.133	0.308	0.117	0.272
53346690	97255	0.006	0.391	0.007	0.426
7614690	110791	0.005	0.425	0.005	0.394
73134002	93196	<0.001	0.394	<0.001	0.437
118583389	62497	0.002	0.438	0.001	0.389
2252072	91035	0.025	0.391	0.025	0.389
23021540	107245	0.197	0.207	0.208	0.218
1149533	102057	0.029	0.429	0.023	0.349
93835723	68879	0.095	0.319	0.095	0.321
52862080	97788	<0.001	0.433	<0.001	0.398
102745712	78364	<0.001	0.415	<0.001	0.415
31542101	101300	0.260	0.181	0.230	0.160
31550299	101300	0.260	0.181	0.230	0.160
71161640	91592	0.001	0.446	0.001	0.382
21910791	118890	<0.001	0.439	<0.001	0.391
27376099	101917	0.161	0.160	0.256	0.253
31331273	112334	<0.001	0.432	<0.001	0.397
7294425	120322	0.005	0.384	0.005	0.436
95007315	80959	0.194	0.218	0.196	0.220
16286059	93511	<0.001	0.437	<0.001	0.392
7215782	109460	0.005	0.427	0.005	0.393
41856345	99858	<0.001	0.440	<0.001	0.390
9268825	107838	<0.001	0.440	<0.001	0.388
79350535	96254	<0.001	0.408	<0.001	0.421
93835723	66508	0.017	0.397	0.017	0.399
53693236	97824	0.007	0.393	0.007	0.423
23247993	126523	0.096	0.325	0.093	0.314
49239789	93271	<0.001	0.449	<0.001	0.380
107006638	84749	<0.001	0.439	<0.001	0.390
35654068	132953	0.001	0.408	0.001	0.419
57625593	98836	<0.001	0.394	<0.001	0.435
139440500	41368	0.001	0.440	0.001	0.386
119217415	61967	0.013	0.437	0.011	0.368
109605828	69790	0.049	0.399	0.042	0.340
94312706	86006	0.080	0.380	0.064	0.304
31542101	111415	<0.001	0.436	<0.001	0.392
31550299	111415	<0.001	0.436	<0.001	0.392

76921469	92680	0.099	0.332	0.091	0.306
91576994	61810	0.058	0.327	0.067	0.376
55841697	113190	0.258	0.202	0.207	0.162
524479	45380	0.001	0.412	0.001	0.416
31638120	45380	0.001	0.412	0.001	0.416
20306909	119848	<0.001	0.441	<0.001	0.388
51472929	83295	0.146	0.265	0.148	0.270
61974021	90212	0.009	0.436	0.007	0.377
61951126	90212	0.009	0.436	0.007	0.377
113149158	72436	0.016	0.437	0.013	0.362
21167130	107724	0.017	0.018	0.391	0.403
62097994	88268	<0.001	0.408	<0.001	0.420
31970458	111727	<0.001	0.446	<0.001	0.382
32003195	111727	<0.001	0.446	<0.001	0.382
2182451	110646	0.025	0.368	0.028	0.408
14318260	107946	0.004	0.437	0.003	0.384
76921469	98188	0.013	0.420	0.012	0.384
89531284	91785	<0.001	0.430	<0.001	0.398
73134002	88988	0.021	0.371	0.024	0.412
115375675	76041	0.040	0.396	0.036	0.355
1149533	80780	0.025	0.433	0.020	0.349
56926728	100162	0.041	0.380	0.039	0.368
6730573	120716	0.239	0.195	0.217	0.177
46761056	82491	0.090	0.283	0.109	0.345
88348527	70511	<0.001	0.448	<0.001	0.380
38230805	99197	0.193	0.210	0.204	0.221
46238694	93776	<0.001	0.437	<0.001	0.391
73401790	98914	0.223	0.213	0.200	0.191
105781926	78803	<0.001	0.433	<0.001	0.394
66536213	105699	0.012	0.437	0.010	0.368
12877545	132534	<0.001	0.432	<0.001	0.395
46679168	83504	0.137	0.264	0.146	0.281
86291243	92396	<0.001	0.386	<0.001	0.442
23021540	119545	0.045	0.358	0.047	0.377
74853907	89197	<0.001	0.435	<0.001	0.392
867884	104661	0.011	0.007	0.503	0.308
72748222	134053	<0.001	0.397	<0.001	0.431
7032861	112097	0.017	0.407	0.016	0.387
23619110	118092	<0.001	0.405	<0.001	0.423
41856345	92324	0.167	0.274	0.146	0.240
44031382	101992	0.001	0.427	0.001	0.399
66438687	96781	0.002	0.459	0.002	0.364
74853907	76770	0.254	0.159	0.255	0.160
35288118	110795	0.241	0.193	0.218	0.174
500722	75616	0.086	0.249	0.127	0.365

1377019	121088	0.249	0.174	0.238	0.166
6420930	120527	0.221	0.168	0.248	0.189
102668891	75290	<0.001	0.173	<0.001	0.654
30311792	107592	0.125	0.299	0.119	0.284
6857377	126119	0.256	0.173	0.237	0.160
73134002	80936	0.197	0.194	0.219	0.216
44881941	97608	<0.001	0.439	<0.001	0.387
3099643	153378	0.154	0.265	0.150	0.257
71993667	84088	0.002	0.451	0.001	0.373
1303516	98889	0.206	0.230	0.184	0.206
75422329	79196	0.194	0.149	0.273	0.210
39825441	101486	0.036	0.413	0.030	0.347
23712319	122570	0.123	0.301	0.117	0.286
39760828	103465	0.213	0.233	0.181	0.199
38613977	111098	0.112	0.322	0.101	0.291
79717758	101268	<0.001	0.437	<0.001	0.389
867884	82789	0.009	0.010	0.383	0.423
41231271	100935	<0.001	0.420	<0.001	0.406
2783360	106109	0.148	0.299	0.125	0.253
61974021	86477	<0.001	0.443	<0.001	0.383
61951126	86477	<0.001	0.443	<0.001	0.383
74760477	90319	<0.001	0.443	<0.001	0.382
65153211	82269	0.182	0.246	0.170	0.229
61735106	45071	<0.001	0.419	<0.001	0.406
49470136	45071	<0.001	0.419	<0.001	0.406
1149533	118679	0.249	0.171	0.240	0.165
95059455	78996	<0.001	0.451	<0.001	0.375
44109055	92768	<0.001	0.433	<0.001	0.392
99193201	81561	0.163	0.238	0.173	0.252
67487511	92369	0.091	0.373	0.071	0.291
41261540	106365	<0.001	0.463	<0.001	0.362
35776046	100343	0.184	0.254	0.163	0.225
31785723	97682	0.233	0.218	0.193	0.181
23247993	131622	0.050	0.370	0.048	0.357
31785723	111917	<0.001	0.446	<0.001	0.379
67864407	97155	0.052	0.210	0.111	0.452
102745712	74553	0.084	0.328	0.084	0.329
10654647	110609	<0.001	0.437	<0.001	0.388
37607525	107960	<0.001	0.422	<0.001	0.403
98134347	79028	<0.001	0.432	<0.001	0.393
75785309	92131	0.017	0.428	0.015	0.365
2908171	104200	0.161	0.278	0.141	0.245
23619110	108854	0.124	0.280	0.129	0.291
38174066	111874	0.259	0.167	0.242	0.156
2783360	126675	0.221	0.220	0.192	0.191

36079013	109729	0.001	0.447	<0.001	0.377
14318260	104752	<0.001	0.439	<0.001	0.385
6560884	125003	0.247	0.178	0.231	0.167
10633236	111525	<0.001	0.426	<0.001	0.399
6730573	117114	0.005	0.438	0.005	0.376
95909615	79962	0.047	0.360	0.048	0.368
30867933	112744	0.001	0.426	0.001	0.397
89418584	77625	<0.001	0.450	<0.001	0.374
35016232	108580	0.001	0.427	0.001	0.396
52039480	99386	<0.001	<0.001	0.554	0.270
51364020	90557	<0.001	0.435	<0.001	0.388
43883205	100890	<0.001	0.435	<0.001	0.389
55991762	121814	0.008	0.004	0.566	0.246
51039884	90154	0.029	0.340	0.036	0.418
43019733	102490	<0.001	0.447	<0.001	0.376
96115299	87215	0.018	0.410	0.017	0.378
65153211	86042	0.002	0.421	0.002	0.399
57941007	95812	<0.001	0.395	<0.001	0.428
31331273	97972	0.218	0.214	0.198	0.194
73401790	88475	0.232	0.210	0.200	0.181
67629039	92877	0.087	0.356	0.075	0.305
73108519	93018	<0.001	0.423	<0.001	0.400
35230589	113831	0.001	0.401	0.001	0.421
48271855	97501	0.003	0.414	0.003	0.402
57418956	102125	0.071	0.303	0.085	0.363
18257536	94384	0.063	0.361	0.059	0.340
74847744	81054	0.265	0.153	0.257	0.148
59314285	96673	0.085	0.331	0.083	0.324
53693236	106797	<0.001	0.398	<0.001	0.425
76352136	90586	<0.001	<0.001	0.211	0.611
35288118	94611	0.141	0.293	0.126	0.263
68553520	89533	0.068	0.337	0.070	0.347
103540128	75025	<0.001	0.447	<0.001	0.375
98134347	79351	<0.001	0.431	<0.001	0.391
45915419	94989	<0.001	0.447	<0.001	0.375
7117796	21622	0.068	0.350	0.066	0.338
107643658	21622	0.068	0.350	0.066	0.338
183114727	21622	0.068	0.350	0.066	0.338
159558655	35268	0.125	0.324	0.104	0.269
36079013	111769	0.242	0.204	0.204	0.172
131357148	60580	0.064	0.368	0.058	0.332
32690252	103176	0.276	0.178	0.224	0.144
54077802	96358	0.007	0.421	0.006	0.387
71161640	100706	0.004	0.434	0.003	0.380
86361269	93040	<0.001	0.445	<0.001	0.377

107810709	64857	0.034	0.362	0.036	0.390
35654068	141683	0.226	0.180	0.232	0.184
49647403	90999	0.010	0.440	0.008	0.363
74853907	85927	<0.001	0.433	<0.001	0.388
105295744	86565	0.002	0.437	0.002	0.381
982954	103742	0.005	0.412	0.005	0.400
34252878	103347	0.068	0.370	0.059	0.324
16286059	93112	0.118	0.315	0.106	0.282
73401790	92816	0.023	0.410	0.021	0.368
42430474	99982	<0.001	0.332	<0.001	0.489
56358296	98371	0.062	0.355	0.060	0.344
6929965	114222	0.018	0.414	0.016	0.373
76921469	101669	0.017	0.410	0.016	0.378
56123491	110595	0.035	0.399	0.031	0.356
6730573	117659	0.020	0.409	0.019	0.373
96115299	83288	0.143	0.287	0.130	0.261
52317145	90330	0.141	0.279	0.135	0.267
43786644	101377	0.001	0.409	0.001	0.410
101965616	77819	0.087	0.332	0.084	0.318
6980112	112154	0.017	0.399	0.016	0.388
74609433	88085	0.036	0.399	0.032	0.354
84651684	84474	0.109	0.326	0.097	0.289
71993667	93405	<0.001	0.446	<0.001	0.374
31542101	107158	0.004	0.428	0.003	0.385
31550299	107158	0.004	0.428	0.003	0.385
73134002	94817	0.199	0.190	0.221	0.211
22303055	102157	0.233	0.206	0.203	0.179
87804824	48273	<0.001	0.411	<0.001	0.409
30256808	48273	<0.001	0.411	<0.001	0.409
7656489	112183	0.005	0.401	0.005	0.409
1785803	108058	0.028	0.401	0.025	0.365
39760828	98651	0.035	0.409	0.029	0.347
131362223	60520	0.066	0.378	0.056	0.320
62330037	78885	0.001	0.445	0.001	0.373
38613977	95411	0.065	0.370	0.057	0.328
31913450	99611	0.223	0.214	0.195	0.187
16482564	96765	<0.001	0.412	<0.001	0.408
112340026	65408	<0.001	0.425	<0.001	0.395
96115299	89729	0.058	0.371	0.053	0.339
48271855	92084	<0.001	0.429	<0.001	0.391
14788165	104734	0.005	0.439	0.004	0.373
36079013	96915	0.277	0.170	0.231	0.142
117873752	66488	<0.001	0.435	<0.001	0.385
52023213	87149	0.159	0.288	0.132	0.240
52150078	84771	<0.001	<0.001	0.117	0.703

44527588	99522	<0.001	0.388	<0.001	0.431
44374176	106759	0.001	0.437	0.001	0.381
88800022	94990	<0.001	0.433	<0.001	0.386
10407454	107554	<0.001	0.434	<0.001	0.385
95090392	75617	0.022	0.412	0.020	0.366
6560884	116873	0.020	0.406	0.019	0.374
98134347	77386	0.122	0.311	0.109	0.277
1454487	122904	0.249	0.172	0.236	0.163
27701315	100541	0.201	0.212	0.198	0.208
7735341	108852	0.007	0.431	0.006	0.376
14228896	105320	0.088	0.353	0.075	0.303
47277641	96367	<0.001	0.457	<0.001	0.362
6443598	118156	0.246	0.190	0.216	0.167
88800022	92377	<0.001	0.433	<0.001	0.386
102875522	76916	<0.001	0.428	<0.001	0.391
41261540	98275	0.153	0.310	0.118	0.238
31919863	114489	0.264	0.176	0.227	0.151
38174066	109938	0.003	0.420	0.003	0.393
74369718	90200	0.031	0.400	0.028	0.359
19638638	112933	0.010	0.377	0.011	0.421
5884095	134326	0.247	0.173	0.235	0.164
86120772	95269	<0.001	0.374	<0.001	0.444
9268825	107423	<0.001	0.435	<0.001	0.383
9546187	136211	0.089	0.321	0.089	0.319
73533277	89719	0.018	0.334	0.024	0.443
49066880	83546	0.031	0.418	0.026	0.344
51568371	82939	0.165	0.274	0.142	0.236
43537173	103295	<0.001	0.419	<0.001	0.399
1862910	100812	0.135	0.302	0.117	0.263
52862080	90722	0.070	0.358	0.064	0.327
40763087	99980	0.147	0.300	0.122	0.249
86361269	97412	0.256	0.187	0.217	0.158
67864407	97543	0.056	0.204	0.120	0.439
111683311	63964	<0.001	0.427	<0.001	0.391
151066536	33232	0.072	0.340	0.071	0.334
45011049	98821	0.001	0.431	0.001	0.386
41875787	93030	0.161	0.263	0.150	0.244
74904524	84851	<0.001	0.438	<0.001	0.380
74964913	84851	<0.001	0.438	<0.001	0.380
108960832	73765	0.010	0.009	0.411	0.387
3099643	167005	0.036	0.379	0.035	0.368
3534173	119255	0.132	0.279	0.131	0.276
31542101	97245	0.220	0.212	0.196	0.189
31550299	97245	0.220	0.212	0.196	0.189
101204601	74703	0.061	0.322	0.069	0.365

27543446	113024	0.001	0.429	0.001	0.386
54410906	97646	0.290	0.144	0.257	0.127
524479	46238	0.055	0.358	0.053	0.351
31638120	46238	0.055	0.358	0.053	0.351
39264157	92413	0.062	0.391	0.050	0.314
123837473	41684	0.001	0.451	0.001	0.365
41261540	41684	0.001	0.451	0.001	0.365
93835723	72560	0.057	0.351	0.057	0.353
10654647	114541	<0.001	0.432	<0.001	0.384
61871847	90542	0.009	0.433	0.007	0.368
22966171	113009	0.096	0.342	0.083	0.295
22988130	113009	0.096	0.342	0.083	0.295
22974603	113009	0.096	0.342	0.083	0.295
30441351	105083	0.131	0.318	0.107	0.261
41261540	102793	0.202	0.261	0.154	0.200
25391772	114246	0.025	0.401	0.023	0.368
44389808	103958	<0.001	0.435	<0.001	0.382
52864704	101436	<0.001	0.280	<0.001	0.536
53346690	105677	<0.001	0.395	<0.001	0.422
46623947	99706	<0.001	<0.001	0.453	0.364
75785309	92522	0.017	0.424	0.014	0.362
42081837	101849	<0.001	0.453	<0.001	0.364
27089874	105400	0.244	0.193	0.212	0.167
3099643	136314	0.028	0.383	0.027	0.378
94333853	71559	0.005	0.428	0.004	0.378
91576994	67188	0.008	0.375	0.009	0.425
1301430	97116	0.205	0.232	0.178	0.202
137366317	41983	<0.001	0.382	<0.001	0.435
16859854	103858	0.260	0.125	0.291	0.140
38326352	108445	0.016	0.410	0.015	0.375
40786467	94568	0.145	0.309	0.116	0.247
95060274	123627	0.008	0.005	0.495	0.307
13055303	105832	0.071	0.356	0.065	0.324
31913450	114074	<0.001	0.432	<0.001	0.383
19638638	117145	0.217	0.168	0.242	0.188
49780972	89432	<0.001	0.404	<0.001	0.412
57625593	103118	0.074	0.313	0.082	0.346
6980112	119578	0.250	0.164	0.243	0.159
42065227	107277	0.247	0.176	0.229	0.163
42234747	92496	0.086	0.331	0.082	0.316
32713184	163792	0.240	0.159	0.250	0.166
7812450	115815	<0.001	<0.001	0.540	0.276
66536213	105250	0.001	0.441	0.001	0.372
73611452	89138	0.022	0.402	0.020	0.371
45011049	95893	<0.001	0.431	<0.001	0.384

32690252	108433	<0.001	0.446	<0.001	0.369
23619110	121305	0.115	0.283	0.121	0.297
65629497	82837	0.169	0.233	0.174	0.240
41856345	99325	<0.001	0.432	<0.001	0.382
45457517	103766	0.001	0.433	0.001	0.380
59314285	92255	0.165	0.248	0.160	0.242
68861309	98479	0.041	0.368	0.040	0.365
23712319	106645	0.070	0.349	0.066	0.330
55606949	116414	0.028	0.185	0.079	0.522
21077941	107841	0.217	0.221	0.187	0.190
79241916	104901	<0.001	<0.001	0.541	0.274
1658559	114717	<0.001	0.425	<0.001	0.390
23712319	118635	0.011	0.392	0.011	0.400
7032861	111571	0.005	0.412	0.005	0.393
46008404	95706	0.091	0.350	0.077	0.297
49066880	92134	0.002	0.442	0.002	0.368
19232118	117966	0.243	0.193	0.211	0.168
186370930	21102	0.010	0.430	0.008	0.366
45011049	95484	0.048	0.383	0.043	0.341
65153211	89548	0.087	0.331	0.082	0.314
24250243	135075	0.166	0.082	0.379	0.187
10633236	115519	<0.001	0.419	<0.001	0.394
67487511	99034	0.029	0.426	0.023	0.336
94759605	75115	<0.001	0.411	<0.001	0.403
12269285	111272	<0.001	0.429	<0.001	0.385
32690252	98873	0.084	0.364	0.069	0.297
14788165	90916	0.119	0.324	0.099	0.272
7834491	111424	0.108	0.313	0.101	0.292
74659826	88758	0.030	0.320	0.040	0.425
27472217	104769	0.205	0.196	0.211	0.202
49239789	84896	0.024	0.419	0.020	0.351
95909615	85827	0.129	0.274	0.131	0.279
6463847	117343	0.021	0.412	0.018	0.362
54672972	103122	0.008	0.426	0.007	0.373
65153211	86458	0.010	0.407	0.010	0.386
34710133	116126	0.242	0.169	0.237	0.165
66460680	95764	0.002	0.406	0.002	0.403
23247993	127205	<0.001	0.413	<0.001	0.400
33041244	110335	0.013	0.326	0.018	0.456
55279321	129749	<0.001	<0.001	0.567	0.246
46679168	95724	0.087	0.310	0.091	0.324
80531877	96754	0.087	0.354	0.074	0.298
61981415	82479	0.054	0.365	0.051	0.342
68861309	93127	0.260	0.150	0.256	0.147
132272512	61482	0.030	0.408	0.025	0.349

76976029	90500	0.094	0.321	0.090	0.308
24237414	109884	0.256	0.177	0.224	0.155
9771126	99804	0.124	0.286	0.122	0.281
9268825	99461	0.112	0.323	0.097	0.280
35776046	107146	0.233	0.197	0.207	0.175
1785803	114885	<0.001	0.424	<0.001	0.388
23082615	119819	0.047	0.379	0.043	0.342
22966171	117543	0.048	0.387	0.042	0.336
22988130	117543	0.048	0.387	0.042	0.336
22974603	117543	0.048	0.387	0.042	0.336
57039768	92010	0.040	0.403	0.033	0.336
44221625	100173	<0.001	0.421	<0.001	0.391
66438687	92054	0.001	0.453	0.001	0.356
32584227	112312	<0.001	0.422	<0.001	0.389
73108519	84461	0.207	0.211	0.195	0.198
111683311	59020	<0.001	0.425	<0.001	0.386
49201778	89702	<0.001	0.449	<0.001	0.362
848175	95562	0.044	0.380	0.040	0.348
46008404	96173	<0.001	0.439	<0.001	0.372
51039884	85171	<0.001	0.360	<0.001	0.451
6443598	127062	0.244	0.187	0.215	0.165
7881961	116751	0.005	0.428	0.005	0.373
39891667	99549	<0.001	0.403	<0.001	0.408
75785309	87611	0.012	0.431	0.010	0.357
14228896	94985	0.127	0.312	0.107	0.265
55279321	121309	<0.001	<0.001	0.377	0.433
57386644	105500	<0.001	<0.001	0.576	0.234
3534173	106826	0.221	0.186	0.219	0.185
12877545	119413	0.194	0.230	0.176	0.210
55462989	111949	0.200	0.232	0.175	0.204
23021540	114854	0.088	0.309	0.092	0.322
74486102	88161	0.157	0.138	0.274	0.241
6809981	99275	0.021	0.404	0.019	0.367
65515085	90660	0.061	0.343	0.061	0.344
63834331	81936	0.070	0.248	0.108	0.384
73401790	93383	<0.001	0.426	<0.001	0.383
39390502	109422	0.184	0.125	0.298	0.203
10407454	107148	<0.001	0.429	<0.001	0.380
76944650	105126	0.264	0.153	0.248	0.144
123837473	60840	0.003	0.432	0.003	0.371
40763087	107427	0.034	0.406	0.029	0.340
30867933	102241	0.147	0.274	0.136	0.253
55841697	117137	0.222	0.224	0.180	0.183
95090392	82735	0.241	0.171	0.232	0.165
46238694	96800	0.138	0.289	0.123	0.259

10166023	109931	0.002	0.391	0.002	0.414
99507759	87054	0.207	0.221	0.184	0.196
39760828	99191	<0.001	0.437	<0.001	0.371
103540128	79956	0.173	0.266	0.145	0.224
187463513	23430	0.101	0.339	0.085	0.283
49647403	100544	0.116	0.325	0.097	0.270
8939249	104140	0.001	0.432	<0.001	0.375
14788165	101516	0.011	0.426	0.009	0.362
7735341	111735	0.115	0.316	0.101	0.276
29446558	116015	0.135	0.320	0.105	0.248
12031316	107476	<0.001	0.453	<0.001	0.354
21077941	102730	<0.001	0.433	<0.001	0.375
76962568	105547	0.264	0.156	0.244	0.143
117047610	67732	<0.001	0.434	<0.001	0.373
44109055	101485	<0.001	0.422	<0.001	0.385
51364020	82784	0.096	0.332	0.085	0.294
88692582	83621	0.064	0.375	0.054	0.314
39264157	95695	0.291	0.158	0.232	0.126
27961696	96570	<0.001	0.422	<0.001	0.386
59817947	166531	0.073	0.360	0.063	0.311
49780972	97316	0.101	0.302	0.102	0.302
7032861	119593	0.251	0.163	0.239	0.155
6451280	117616	0.020	0.392	0.019	0.377
6730573	120716	0.239	0.195	0.206	0.167
31542101	111664	<0.001	0.387	<0.001	0.420
74847744	85608	0.039	0.369	0.038	0.360
122712003	51407	0.048	0.358	0.048	0.352
982954	104247	<0.001	0.409	<0.001	0.397
30914868	106626	0.018	0.431	0.014	0.343
18257536	104893	0.022	0.393	0.020	0.371
125401914	66263	0.098	0.349	0.079	0.280
38613977	113271	0.262	0.163	0.235	0.146
96470357	87370	0.138	0.265	0.138	0.264
31707540	97302	0.230	0.216	0.186	0.174
41135723	94410	0.135	0.286	0.123	0.261
64125916	94144	0.174	0.275	0.138	0.219
2783360	117781	<0.001	0.432	<0.001	0.374
24231932	142642	0.007	0.426	0.006	0.366
88692582	74077	<0.001	0.442	<0.001	0.364
35230589	106382	0.263	0.141	0.262	0.140
20418404	122920	<0.001	0.410	<0.001	0.396
153333499	40381	0.128	0.261	0.137	0.280
77699115	165173	0.138	0.294	0.119	0.254
160183561	35043	0.107	0.347	0.083	0.269
61981415	93154	0.263	0.152	0.247	0.143

1785803	114295	<0.001	0.420	<0.001	0.385
10491284	98248	0.097	0.207	0.159	0.342
50686722	86836	<0.001	0.432	<0.001	0.372
43820137	101875	<0.001	0.435	<0.001	0.370
115910519	65988	<0.001	0.441	<0.001	0.363
79992080	97747	0.086	0.346	0.074	0.298
51472929	79370	0.005	0.393	0.005	0.401
18257536	105339	<0.001	0.413	<0.001	0.391
40786467	101616	0.034	0.407	0.028	0.335
65629497	80089	0.176	0.211	0.189	0.227
34207797	101977	0.070	0.385	0.054	0.296
13055303	106254	<0.001	0.421	<0.001	0.383
42019844	91795	0.156	0.249	0.154	0.245
75616173	100335	<0.001	<0.001	0.552	0.252
56151274	112960	0.251	0.160	0.239	0.153
115375675	79373	0.032	0.391	0.029	0.352
49488584	94818	<0.001	0.428	<0.001	0.376
94333853	80695	0.165	0.259	0.147	0.232
105295744	83560	<0.001	0.429	<0.001	0.374
39891667	91197	0.053	0.346	0.054	0.350
7215782	102311	0.093	0.328	0.085	0.298
80531877	92400	0.005	0.432	0.004	0.362
42065227	105361	<0.001	0.416	<0.001	0.387
39760828	90717	0.058	0.378	0.049	0.318
44881941	100123	0.001	0.423	0.001	0.378
116858236	106378	0.046	0.391	0.038	0.327
71993667	92836	0.179	0.258	0.150	0.216
21669869	124622	0.043	0.354	0.044	0.362
95090392	81541	0.199	0.210	0.192	0.202
7245203	98937	0.246	0.186	0.211	0.159
31625987	97022	0.208	0.195	0.206	0.193
16875432	99132	0.119	0.313	0.102	0.269
6443598	103731	0.022	0.407	0.019	0.354
79717758	100693	0.005	0.419	0.005	0.374
123837473	64680	0.172	0.260	0.147	0.223
627181	83513	0.020	0.389	0.019	0.373
6451280	102714	0.020	0.389	0.020	0.373
14889372	94706	<0.001	<0.001	0.486	0.316
31913450	109709	0.004	0.422	0.004	0.372
68553520	83185	0.072	0.324	0.074	0.333
108510283	75035	0.029	0.398	0.025	0.349
1921238	123739	<0.001	<0.001	0.474	0.327
153348097	36935	0.190	0.209	0.192	0.211
6604114	117179	0.019	0.390	0.019	0.373
35230589	103331	0.123	0.278	0.123	0.278

36033998	106770	<0.001	0.408	<0.001	0.392
46761056	94258	0.080	0.286	0.095	0.339
64806861	109337	<0.001	0.435	<0.001	0.367
41875787	100600	<0.001	0.414	<0.001	0.387
30257693	105074	0.107	0.260	0.127	0.307
50686722	83411	0.005	0.424	0.004	0.368
34252878	118778	0.001	0.425	<0.001	0.375
10328944	106630	<0.001	0.441	<0.001	0.360
63972015	89086	<0.001	0.417	<0.001	0.384
40786467	102123	<0.001	0.439	<0.001	0.361
127897682	59835	0.139	0.294	0.118	0.250
19638638	107063	0.247	0.128	0.280	0.145
42234747	99585	<0.001	0.404	<0.001	0.396
75677254	91548	0.015	0.402	0.014	0.369
4643223	121801	0.003	0.421	0.003	0.373
64806861	113766	0.105	0.329	0.088	0.278
43019733	102014	<0.001	0.435	<0.001	0.365
24608176	123891	0.006	0.409	0.005	0.379
118036315	68745	0.001	0.384	0.002	0.413
7215782	109997	0.017	0.400	0.015	0.368
48863834	89168	<0.001	0.380	<0.001	0.420
101204601	80984	0.056	0.320	0.063	0.361
213403565	18187	0.005	0.432	0.004	0.358
42081837	94177	0.175	0.273	0.137	0.215
1301430	103850	0.027	0.398	0.024	0.351
131844411	56780	0.005	0.411	0.004	0.379
118036315	68463	0.012	0.373	0.013	0.401
116858236	98577	0.046	0.392	0.038	0.324
36079013	104897	<0.001	0.434	<0.001	0.365
127520626	62260	0.088	0.359	0.069	0.283
89562421	70129	0.079	0.352	0.067	0.301
45412650	84209	0.007	0.251	0.014	0.527
46679168	98903	0.078	0.311	0.082	0.328
22966171	105470	0.213	0.218	0.182	0.186
22988130	105470	0.213	0.218	0.182	0.186
22974603	105470	0.213	0.218	0.182	0.186
49488584	87679	<0.001	0.424	<0.001	0.375
1303516	122433	0.248	0.171	0.224	0.155
114683083	71999	<0.001	0.428	<0.001	0.370
55164412	110077	0.051	0.329	0.056	0.363
7881961	117296	0.006	0.420	0.006	0.367
108097161	75960	0.313	0.114	0.272	0.099
67487511	104074	0.002	0.443	0.002	0.351
33128762	118318	0.294	0.121	0.272	0.112
12061925	109074	<0.001	0.425	<0.001	0.373

43820137	101345	<0.001	0.431	<0.001	0.367
112368377	63437	0.011	0.345	0.014	0.428
132272512	61482	0.030	0.417	0.024	0.327
50505096	91891	0.128	0.292	0.115	0.263
108097161	72736	0.050	0.374	0.044	0.330
74760477	86986	<0.001	0.429	<0.001	0.368
34710133	98658	0.122	0.282	0.119	0.275
52317145	96995	<0.001	0.406	<0.001	0.391
583494	80852	0.021	0.400	0.018	0.358
38174066	94311	0.192	0.222	0.178	0.206
96297606	79590	0.044	0.391	0.037	0.325
2783360	115771	0.026	0.401	0.023	0.347
44864163	100619	0.001	0.411	0.001	0.385
50746075	82854	0.004	0.374	0.005	0.414
31707540	111600	<0.001	0.439	<0.001	0.357
31919863	107045	0.036	0.392	0.031	0.337
106549425	67487	0.014	0.417	0.012	0.354
50505096	92242	<0.001	0.420	<0.001	0.377
67629039	99896	0.090	0.337	0.078	0.291
116858236	112163	<0.001	0.431	<0.001	0.365
76183314	94344	0.016	0.401	0.015	0.364
51452713	141023	<0.001	0.414	<0.001	0.382
673578	60717	0.038	0.390	0.033	0.335
46238694	82744	0.194	0.228	0.172	0.202
24802464	123971	<0.001	0.292	<0.001	0.504
44174699	101330	<0.001	0.408	<0.001	0.388
80263538	94239	<0.001	0.392	<0.001	0.404
23318250	104351	0.034	0.380	0.031	0.351
72094954	90781	<0.001	<0.001	0.315	0.480
15311806	98639	0.115	0.300	0.105	0.276
112947722	61173	<0.001	0.429	<0.001	0.366
41466217	109432	0.129	0.260	0.135	0.272
103540128	70628	<0.001	0.434	<0.001	0.361
31849697	107969	0.003	0.365	0.004	0.423
59314285	88881	0.074	0.330	0.072	0.320
112340026	68251	0.001	0.410	0.001	0.383
112340026	65760	<0.001	0.412	<0.001	0.383
43883205	100841	0.001	0.418	0.001	0.375
31478901	108134	0.004	0.419	0.003	0.369
44374176	106403	<0.001	0.424	<0.001	0.370
14318260	104241	0.097	0.327	0.085	0.286
55462989	112327	0.065	0.358	0.057	0.315
38230805	107239	0.013	0.377	0.014	0.391
51414651	79119	0.003	0.209	0.007	0.575
64455333	86085	0.007	0.417	0.006	0.363

44527588	100543	0.001	0.373	0.001	0.420
47277641	99196	0.064	0.379	0.051	0.301
848175	68414	0.040	0.389	0.034	0.331
88348527	81947	<0.001	0.428	<0.001	0.366
102079806	86332	0.102	0.259	0.122	0.310
87710666	102880	<0.001	0.385	<0.001	0.409
37607525	114579	0.242	0.164	0.231	0.156
6809981	113199	0.005	0.409	0.004	0.375
55606949	121354	0.142	0.072	0.384	0.195
51039884	93702	<0.001	0.356	<0.001	0.436
94857030	70843	0.025	0.018	0.440	0.311
24237414	125800	0.019	0.401	0.017	0.356
6809981	113721	0.017	0.397	0.016	0.364
24250243	119198	0.013	0.218	0.032	0.530
145732557	31902	<0.001	0.414	<0.001	0.379
451100	72484	0.101	0.301	0.098	0.293
39371426	111034	0.118	0.267	0.125	0.283
160681621	32488	0.001	0.385	0.001	0.407
6560884	102178	0.021	0.400	0.018	0.353
75422329	83860	0.009	0.321	0.012	0.451
2908171	94149	0.022	0.400	0.019	0.352
9811676	104743	<0.001	0.418	<0.001	0.374
20418404	110744	<0.001	0.403	<0.001	0.390
74287199	90916	<0.001	0.427	<0.001	0.366
40763087	107968	<0.001	0.431	<0.001	0.361
46008404	99315	0.140	0.287	0.120	0.245
31331273	108061	<0.001	0.413	<0.001	0.379
76944650	95482	0.014	0.398	0.013	0.368
93401630	60974	0.004	0.416	0.004	0.368
8939249	91759	0.008	0.419	0.007	0.358
99193201	82844	0.090	0.295	0.095	0.312
123357972	61227	0.003	0.412	0.003	0.374
74287199	90498	0.030	0.397	0.025	0.340
34590138	102263	0.127	0.297	0.110	0.258
31542101	107388	0.003	0.374	0.004	0.410
57418956	97567	0.029	0.328	0.036	0.398
86120772	94994	<0.001	0.362	<0.001	0.430
116858236	106784	0.003	0.427	0.003	0.357
7656489	111681	0.005	0.387	0.005	0.395
108097161	78797	0.023	0.396	0.021	0.351
55462989	111949	0.186	0.216	0.180	0.209
48271855	98012	<0.001	0.401	<0.001	0.390
38937756	109282	0.118	0.296	0.107	0.270
31542101	106962	0.032	0.345	0.035	0.378
74430881	91135	0.032	0.400	0.027	0.331

7215782	96403	0.234	0.179	0.213	0.163
86361269	93321	<0.001	0.427	<0.001	0.362
50237377	107888	<0.001	0.398	<0.001	0.392
88692582	83925	<0.001	0.430	<0.001	0.360
14137149	105560	<0.001	0.418	<0.001	0.372
74760477	86581	0.040	0.386	0.034	0.331
21077941	114717	0.076	0.344	0.067	0.303
31584798	97133	0.203	0.190	0.205	0.192
64052176	82584	0.095	0.327	0.083	0.284
38326352	97641	0.062	0.350	0.057	0.321
38937756	103977	0.019	0.395	0.017	0.359
31913450	109281	0.036	0.383	0.032	0.338
5884095	110444	0.022	0.383	0.021	0.364
113149158	74958	<0.001	0.411	<0.001	0.378
65153211	80187	0.095	0.310	0.090	0.293
93632440	66211	0.016	0.355	0.018	0.400
8939249	103698	<0.001	0.422	<0.001	0.366
45661329	84211	0.129	0.274	0.124	0.262
102826461	74057	<0.001	0.395	<0.001	0.393
69740766	88893	0.026	0.399	0.022	0.342
65629497	90032	0.011	0.369	0.012	0.395
23082615	115825	<0.001	0.413	<0.001	0.374
117873752	66277	0.240	0.179	0.211	0.157
23082615	115164	0.091	0.322	0.083	0.291
169733846	35065	0.001	0.293	0.001	0.493
5352150	123905	0.042	0.360	0.040	0.345
43805185	101288	<0.001	0.377	<0.001	0.410
36033998	102499	<0.001	0.401	<0.001	0.386
37607525	112635	0.002	0.400	0.002	0.383
45933259	83418	0.175	0.238	0.158	0.215
116438431	70998	0.061	0.361	0.053	0.312
2252072	103730	0.124	0.272	0.122	0.269
50746075	95034	<0.001	0.340	<0.001	0.447
99048952	88888	0.082	0.252	0.111	0.342
95090392	78459	<0.001	0.414	<0.001	0.372
16859854	90997	0.135	0.233	0.154	0.264
103989170	77189	0.022	0.393	0.020	0.351
34042568	118132	0.269	0.149	0.237	0.131
94333853	74491	0.018	0.399	0.016	0.352
49249105	87075	<0.001	0.381	<0.001	0.405
56151274	113376	0.033	0.369	0.032	0.352
31478901	107759	0.036	0.382	0.032	0.336
106068065	45086	0.001	0.407	0.001	0.378
90274235	45086	0.001	0.407	0.001	0.378
106068065	45086	0.001	0.407	0.001	0.378

38608456	101237	0.057	0.309	0.065	0.355
62330037	83915	0.056	0.370	0.047	0.312
31849697	107553	0.031	0.333	0.036	0.385
97637023	75620	0.010	0.408	0.009	0.358
42219084	140688	0.001	0.397	0.001	0.387
9546187	132734	<0.001	0.390	<0.001	0.393
80334634	179358	0.005	0.400	0.004	0.375
74904524	84476	0.030	0.390	0.026	0.338
74964913	84476	0.030	0.390	0.026	0.338
39264157	101102	0.034	0.398	0.028	0.324
1303516	83889	0.018	0.396	0.016	0.354
99507759	89056	<0.001	0.414	<0.001	0.370
7834491	95198	0.008	0.401	0.008	0.367
64806861	101536	0.119	0.310	0.098	0.257
57941007	95431	0.030	0.347	0.033	0.375
44174699	101842	<0.001	0.402	<0.001	0.382
57525922	90274	0.034	0.395	0.028	0.326
31785723	107575	0.004	0.421	0.003	0.356
56898006	106444	0.100	0.284	0.104	0.295
31542101	106721	0.035	0.378	0.031	0.339
31550299	106721	0.035	0.378	0.031	0.339
29446558	111457	<0.001	0.440	<0.001	0.344
56494956	106203	0.243	0.191	0.195	0.154
34252878	114176	<0.001	0.416	<0.001	0.367
2908171	124981	0.223	0.189	0.201	0.171
66460680	88613	0.214	0.183	0.209	0.178
45457517	89247	<0.001	0.418	<0.001	0.364
73533277	93953	<0.001	0.340	<0.001	0.443
59817947	158951	0.030	0.390	0.026	0.336
49201778	98972	0.001	0.428	<0.001	0.354
113149158	77497	<0.001	0.408	<0.001	0.375
75320722	88150	0.006	0.425	0.005	0.347
31625987	106867	0.003	0.390	0.003	0.386
93835723	69287	<0.001	0.390	<0.001	0.392
56494956	100747	0.043	0.389	0.035	0.315
103989170	77499	<0.001	0.413	<0.001	0.369
30311792	112726	0.023	0.376	0.022	0.361
102826461	78812	0.103	0.290	0.102	0.287
64455333	80565	0.100	0.320	0.086	0.276
62330037	92376	0.061	0.360	0.053	0.308
31970458	107068	0.036	0.386	0.030	0.329
32003195	107068	0.036	0.386	0.030	0.329
43969760	100989	0.001	0.391	0.001	0.389
61735106	46745	<0.001	0.399	<0.001	0.382
49470136	46745	<0.001	0.399	<0.001	0.382

39825441	93390	0.058	0.369	0.048	0.306
30134827	101013	0.200	0.190	0.200	0.190
52520863	95052	<0.001	0.421	<0.001	0.359
75677254	91184	0.016	0.391	0.014	0.359
94953844	80993	0.199	0.228	0.165	0.189
42994305	93029	0.001	0.393	0.001	0.387
57607144	95859	0.016	0.244	0.031	0.489
7834491	108837	0.006	0.398	0.006	0.369
7461207	102993	0.079	0.306	0.081	0.313
14665181	108196	0.102	0.313	0.090	0.274
18200091	101261	0.115	0.311	0.095	0.258
75320722	78783	0.244	0.189	0.195	0.151
34710133	113439	<0.001	0.393	<0.001	0.385
2908171	113908	0.026	0.385	0.023	0.345
44221625	100675	<0.001	0.403	<0.001	0.375
102875522	81906	0.110	0.297	0.100	0.272
64455333	83584	0.177	0.242	0.152	0.207
1658559	86747	0.022	0.386	0.020	0.350
34345009	101545	0.106	0.295	0.100	0.277
53050763	99714	<0.001	0.393	<0.001	0.385
156851642	41230	0.005	0.409	0.004	0.360
34207797	112695	<0.001	0.437	<0.001	0.342
19638638	101689	0.030	0.334	0.034	0.380
52520863	91564	0.145	0.277	0.122	0.233
38962964	109026	0.018	0.375	0.018	0.366
43805185	92429	<0.001	0.371	<0.001	0.406
42994305	101918	<0.001	0.392	<0.001	0.384
93698847	70325	0.083	0.329	0.074	0.290
32713184	172225	0.045	0.337	0.046	0.349
1785803	87134	0.024	0.386	0.022	0.345
50237377	117056	<0.001	0.394	<0.001	0.382
38613977	105902	0.019	0.392	0.017	0.349
7881961	102776	0.008	0.413	0.007	0.348
56123491	102007	0.107	0.304	0.095	0.270
9771126	95467	0.007	0.385	0.007	0.377
34851655	100844	0.127	0.290	0.109	0.250
44881941	88729	<0.001	0.414	<0.001	0.362
12877545	131878	<0.001	0.405	<0.001	0.370
95186753	82301	0.191	0.211	0.177	0.196
95059455	76116	0.022	0.406	0.018	0.330
100229616	127982	<0.001	0.381	<0.001	0.393
46238694	93303	0.084	0.325	0.075	0.290
43735519	108111	0.212	0.098	0.317	0.147
155162707	33475	0.257	0.144	0.240	0.134
107006638	81520	0.014	0.396	0.013	0.352

74321891	90359	0.027	0.359	0.027	0.361
67629039	104566	0.002	0.413	0.002	0.357
44374176	96395	<0.001	0.417	<0.001	0.357
49239789	96334	<0.001	0.418	<0.001	0.355
49249105	96256	<0.001	0.378	<0.001	0.395
73611452	89638	<0.001	0.402	<0.001	0.371
59314285	98331	0.249	0.142	0.243	0.139
49201778	87250	0.030	0.397	0.024	0.320
39371426	96723	0.053	0.324	0.056	0.339
559933	79313	0.108	0.301	0.096	0.268
44527588	90520	<0.001	0.363	<0.001	0.410
42219084	141361	<0.001	0.391	<0.001	0.381
67487511	99446	0.079	0.352	0.062	0.279
50709196	90602	0.033	0.381	0.028	0.330
7245203	113005	0.017	0.396	0.015	0.344
31478901	112416	<0.001	0.410	<0.001	0.361
80334634	173248	0.156	0.245	0.144	0.227
7735341	108343	0.005	0.407	0.004	0.356
3798185	100374	0.053	0.363	0.046	0.310
49066880	91743	0.029	0.392	0.024	0.327
10491284	109207	<0.001	0.296	<0.001	0.475
43019733	103573	<0.001	0.418	<0.001	0.353
49066880	94983	0.001	0.420	0.001	0.350
39825441	108354	0.246	0.172	0.208	0.145
3798185	122219	0.003	0.408	0.003	0.356
93632440	68481	0.072	0.290	0.081	0.328
55290850	109546	0.065	0.317	0.066	0.322
102079806	81270	<0.001	0.351	<0.001	0.419
73108519	88830	0.022	0.374	0.021	0.354
64364232	87666	0.105	0.309	0.091	0.266
107188010	71758	0.011	0.409	0.009	0.340
76944650	98711	0.020	0.378	0.018	0.354
27543446	117721	0.213	0.191	0.192	0.173
34710133	108873	<0.001	0.389	<0.001	0.380
12269285	107611	0.001	0.405	0.001	0.363
46679168	96289	<0.001	0.376	<0.001	0.393
76962568	99487	<0.001	0.400	<0.001	0.369
66043480	87778	0.010	0.414	0.008	0.338
71718361	96337	<0.001	0.406	<0.001	0.363
76962568	102520	0.007	0.392	0.007	0.362
21669869	107207	<0.001	0.379	<0.001	0.389
57039768	100020	0.127	0.289	0.108	0.245
52862080	94174	0.142	0.261	0.129	0.237
99918838	81262	0.018	0.399	0.015	0.335
116858236	102202	<0.001	0.419	<0.001	0.349

122933938	56074	0.003	0.402	0.002	0.361
75320722	87805	0.016	0.407	0.013	0.332
42721980	122031	<0.001	<0.001	0.460	0.308
23619110	117522	0.083	0.292	0.087	0.305
30867933	108161	0.016	0.381	0.015	0.355
43786644	92530	<0.001	0.389	<0.001	0.379
61974021	86879	<0.001	0.411	<0.001	0.356
61951126	86879	<0.001	0.411	<0.001	0.356
44109055	101983	<0.001	0.401	<0.001	0.366
64125916	90115	0.008	0.421	0.006	0.332
2783360	95283	0.020	0.393	0.017	0.337
55841697	107905	0.115	0.310	0.093	0.249
68553520	89878	0.041	0.337	0.042	0.347
39264157	106414	0.126	0.296	0.103	0.242
10328944	107024	<0.001	0.421	<0.001	0.344
89531284	88934	<0.001	0.397	<0.001	0.369
49239789	87177	<0.001	0.417	<0.001	0.349
1366456	84090	0.016	0.353	0.018	0.378
76183314	85357	0.144	0.258	0.131	0.233
16482564	87085	0.136	0.247	0.136	0.247
80334634	164430	0.119	0.278	0.110	0.258
7834491	100907	0.078	0.322	0.071	0.294
38613977	106581	0.004	0.401	0.003	0.357
149763231	32511	0.005	0.362	0.006	0.393
31625987	106432	0.032	0.352	0.032	0.348
59817947	159694	<0.001	0.411	<0.001	0.354
56151048	110778	0.032	0.368	0.030	0.335
7614690	110294	0.005	0.392	0.004	0.363
115910519	71920	0.039	0.375	0.033	0.317
1303516	105744	0.026	0.377	0.023	0.338
73108519	89507	<0.001	0.393	<0.001	0.372
31707540	106730	0.036	0.385	0.029	0.315
99918838	87209	0.100	0.315	0.084	0.265
48271855	87947	0.055	0.331	0.054	0.323
102079806	74341	0.049	0.297	0.059	0.359
49066880	85940	<0.001	0.419	<0.001	0.344
54672972	109085	<0.001	0.406	<0.001	0.357
6443598	118754	0.019	0.386	0.017	0.340
39467746	92772	0.056	0.355	0.048	0.304
45762871	95010	0.051	0.342	0.048	0.322
27376099	111822	<0.001	0.300	<0.001	0.463
64364232	93977	0.008	0.401	0.007	0.347
1454487	85257	0.018	0.378	0.016	0.350
44527588	99046	<0.001	0.361	<0.001	0.401
45324678	98414	0.001	0.405	0.001	0.355

26241149	111973	0.144	0.246	0.137	0.235
89418584	77280	0.054	0.363	0.045	0.300
21669869	120170	<0.001	0.376	<0.001	0.385
46761056	94258	0.072	0.256	0.095	0.338
35016232	98461	0.119	0.277	0.110	0.255
31785723	107143	0.035	0.378	0.029	0.319
67354127	99815	<0.001	<0.001	0.547	0.214
55279321	126702	<0.001	<0.001	0.517	0.243
103540128	78999	<0.001	0.412	<0.001	0.348
115881391	69113	0.038	0.347	0.037	0.338
68861309	96168	0.100	0.280	0.100	0.280
14788165	100980	0.113	0.298	0.096	0.252
43754224	93506	<0.001	0.358	<0.001	0.401
96115299	93722	0.105	0.289	0.097	0.268
19232118	113775	<0.001	0.407	<0.001	0.353
25391772	122895	<0.001	0.383	<0.001	0.376
112194655	65063	<0.001	0.414	<0.001	0.345
49488584	85948	0.021	0.384	0.018	0.337
75677254	86668	0.011	0.387	0.010	0.351
56151048	102129	0.104	0.294	0.094	0.267
15311806	99141	0.010	0.385	0.009	0.355
35654068	120916	0.127	0.247	0.131	0.253
149763231	32690	<0.001	0.364	<0.001	0.394
68861309	96503	0.041	0.339	0.041	0.338
131458679	58749	0.028	0.383	0.024	0.323
71161640	96090	0.021	0.388	0.018	0.330
38962964	114624	0.112	0.271	0.109	0.265
113594393	61957	0.011	0.363	0.012	0.372
34893318	108380	0.005	0.394	0.004	0.354
55427508	108152	<0.001	<0.001	0.467	0.291
44864163	98225	<0.001	0.393	<0.001	0.364
48271855	100990	0.018	0.363	0.018	0.359
34683725	104444	<0.001	<0.001	0.465	0.292
21910791	118504	0.002	0.399	0.002	0.355
683392	79155	<0.001	<0.001	0.648	0.109
25391772	122184	<0.001	0.382	<0.001	0.375
31849697	112307	<0.001	0.349	<0.001	0.406
91576994	67457	<0.001	0.354	<0.001	0.402
31331273	107672	0.034	0.360	0.031	0.330
94312706	79367	0.020	0.405	0.016	0.315
40470235	102458	<0.001	0.339	<0.001	0.416
96470357	98461	0.073	0.305	0.073	0.305
23619110	105458	0.060	0.307	0.064	0.325
57039768	100364	<0.001	0.409	<0.001	0.347
34345009	111712	0.004	0.382	0.004	0.366

137540586	42886	0.014	0.338	0.016	0.388
128050306	57390	0.015	0.384	0.014	0.342
41745432	100485	<0.001	0.393	<0.001	0.360
115375675	70355	<0.001	0.399	<0.001	0.356
56926728	109017	<0.001	0.383	<0.001	0.372
35016232	108085	0.005	0.386	0.005	0.358
627181	58464	0.033	0.347	0.032	0.342
100778225	83373	0.130	0.276	0.111	0.237
131362223	58862	<0.001	0.408	<0.001	0.346
75254466	88197	0.006	0.393	0.006	0.349
34042568	113179	0.004	0.397	0.004	0.349
25189552	127192	<0.001	0.392	<0.001	0.362
53050763	99378	<0.001	0.380	<0.001	0.373
67258625	98372	0.002	0.399	0.002	0.350
107006638	75706	0.014	0.386	0.012	0.341
56151274	104438	0.102	0.284	0.097	0.270
16859854	97747	0.097	0.259	0.108	0.288
100229616	137197	0.115	0.256	0.119	0.263
42019844	95577	0.161	0.218	0.159	0.215
34252878	113738	0.004	0.395	0.004	0.349
27376099	117009	<0.001	0.303	<0.001	0.449
912173	71395	0.033	0.362	0.030	0.326
30662840	103259	0.115	0.284	0.102	0.252
44389808	94560	<0.001	0.401	<0.001	0.351
25189552	127907	<0.001	0.391	<0.001	0.361
45182188	100812	0.001	0.390	0.001	0.360
55164412	115246	0.036	0.336	0.037	0.341
71718361	88460	0.020	0.381	0.017	0.333
1377019	83556	0.017	0.365	0.016	0.353
1862910	121286	0.235	0.163	0.208	0.144
75452674	89083	0.012	0.328	0.014	0.396
34493607	117333	<0.001	0.340	<0.001	0.409
44065477	93196	<0.001	0.389	<0.001	0.360
96184967	89917	<0.001	<0.001	0.501	0.249
31625987	111208	<0.001	0.381	<0.001	0.368
86120772	88937	0.001	0.339	0.001	0.407
1149533	110213	0.002	0.378	0.002	0.368
43786644	101412	<0.001	0.381	<0.001	0.368
120549959	66325	0.132	0.242	0.132	0.242
27190947	104904	0.209	0.179	0.195	0.166
130346540	57965	0.067	0.304	0.068	0.310
25189552	131801	0.001	0.391	0.001	0.356
41745432	100988	<0.001	0.391	<0.001	0.358
27376099	112426	<0.001	0.295	<0.001	0.454
44065477	102293	<0.001	0.385	<0.001	0.363

54672972	113125	0.036	0.362	0.031	0.318
27701315	106808	<0.001	0.374	<0.001	0.372
105781926	81451	<0.001	0.391	<0.001	0.356
20270769	121642	<0.001	0.371	<0.001	0.376
38608456	112221	0.016	0.334	0.018	0.378
61871847	82068	0.053	0.356	0.044	0.293
44645200	99946	0.001	0.375	0.001	0.369
38326352	113817	0.007	0.382	0.006	0.350
47277641	84663	0.063	0.356	0.049	0.277
36033998	102039	<0.001	0.380	<0.001	0.365
6730573	102703	0.020	0.386	0.017	0.322
42219084	135989	0.182	0.196	0.176	0.190
63972015	82807	0.087	0.302	0.079	0.277
63886645	84529	0.074	0.256	0.093	0.321
38608456	117905	0.091	0.251	0.107	0.296
48863834	95115	0.002	0.357	0.002	0.382
50746075	86142	<0.001	0.320	<0.001	0.424
27701315	96417	<0.001	0.372	<0.001	0.371
34710133	108386	0.004	0.372	0.004	0.363
43754224	102431	<0.001	0.351	<0.001	0.392
45762871	95429	<0.001	0.383	<0.001	0.360
32690252	108038	0.079	0.327	0.065	0.271
73401790	97137	<0.001	0.391	<0.001	0.352
1149533	110769	<0.001	0.376	<0.001	0.367
38962964	98460	0.058	0.318	0.056	0.311
1658559	107484	0.025	0.362	0.023	0.333
88692582	86156	<0.001	0.405	<0.001	0.338
64052176	88366	0.007	0.389	0.006	0.340
62097994	78064	0.001	0.361	0.001	0.379
34851655	110733	0.004	0.393	0.004	0.340
26241149	117744	<0.001	0.382	<0.001	0.359
127897682	52669	0.175	0.227	0.148	0.191
26241149	118338	<0.001	0.382	<0.001	0.359
86687748	98119	0.041	0.343	0.038	0.320
94312706	76129	0.005	0.412	0.004	0.321
34042568	113611	<0.001	0.394	<0.001	0.347
26241149	123147	<0.001	0.378	<0.001	0.363
25189552	119129	0.024	0.369	0.021	0.326
41856345	96316	0.171	0.224	0.149	0.196
102745712	79555	0.098	0.272	0.098	0.272
6730573	117659	0.019	0.379	0.016	0.326
87710666	94439	<0.001	0.356	<0.001	0.384
18200091	114416	0.036	0.024	0.412	0.268
30311792	103510	0.192	0.187	0.183	0.178
142888585	69599	0.006	0.400	0.005	0.330

92371892	71594	0.008	0.368	0.008	0.356
6730573	102703	0.020	0.372	0.017	0.331
44174699	92354	<0.001	0.378	<0.001	0.361
35776046	100788	0.007	0.384	0.007	0.340
99775004	82332	0.095	0.313	0.076	0.253
56497289	107356	<0.001	0.372	<0.001	0.365
71718361	93120	0.144	0.246	0.128	0.219
102079806	80958	0.072	0.264	0.086	0.316
160832677	34449	0.047	0.329	0.045	0.317
99381871	83681	0.095	0.307	0.079	0.256
95186753	76449	0.020	0.363	0.018	0.336
41261540	105861	0.001	0.412	0.001	0.322
27543446	124650	<0.001	0.386	<0.001	0.350
97637023	86662	0.076	0.313	0.068	0.279
912173	85214	0.183	0.205	0.164	0.184
50505096	85793	<0.001	0.394	<0.001	0.342
46761056	97484	0.051	0.286	0.060	0.339
54318499	114587	0.006	0.003	0.448	0.278
12269285	96534	0.143	0.246	0.127	0.219
52520863	94754	<0.001	0.397	<0.001	0.338
34493607	112359	0.004	0.329	0.004	0.397
56898006	93483	0.033	0.327	0.034	0.341
30257693	110123	0.019	0.318	0.023	0.375
51228965	79621	0.003	0.287	0.005	0.439
52520863	88225	0.059	0.338	0.050	0.286
6420930	121151	0.017	0.329	0.019	0.369
9546187	117627	0.008	0.357	0.008	0.360
38230805	96476	0.151	0.207	0.158	0.218
45324678	94445	0.041	0.351	0.036	0.306
24237414	121208	0.006	0.384	0.005	0.339
43537173	102759	<0.001	0.376	<0.001	0.358
40786467	98972	0.179	0.230	0.142	0.182
112947722	64438	0.013	0.384	0.011	0.326
1366456	122153	0.211	0.147	0.222	0.154
867884	89355	0.212	0.148	0.220	0.153
67629039	99479	0.040	0.353	0.034	0.305
99918838	85903	0.224	0.173	0.189	0.147
19232118	113296	0.010	0.382	0.009	0.332
124632186	63943	<0.001	0.370	<0.001	0.362
6857377	103191	0.019	0.361	0.018	0.335
46761056	94823	<0.001	0.335	<0.001	0.397
57976551	98404	<0.001	0.362	<0.001	0.370
25164879	128098	0.006	0.382	0.005	0.338
150738433	33569	<0.001	<0.001	0.455	0.275
32615353	107647	0.076	0.315	0.066	0.273

6857377	118170	0.016	0.362	0.015	0.337
88092852	85395	<0.001	0.391	<0.001	0.338
49239789	92884	0.100	0.296	0.084	0.250
9811676	98348	0.116	0.270	0.103	0.241
55290850	114512	0.040	0.325	0.040	0.324
44221625	100700	0.001	0.374	0.001	0.354
37005655	109625	<0.001	<0.001	0.448	0.281
102875522	76601	0.077	0.304	0.070	0.278
55164412	114792	0.165	0.197	0.167	0.200
27701315	106230	<0.001	0.365	<0.001	0.363
86687748	92627	0.189	0.187	0.177	0.175
38230805	112414	0.003	0.353	0.003	0.368
80334634	187077	0.117	0.259	0.109	0.241
31849697	98016	0.172	0.163	0.201	0.190
24231932	147808	0.022	0.368	0.019	0.317
102826461	73802	0.072	0.292	0.071	0.291
107810709	73053	0.102	0.251	0.108	0.265
51228965	79621	0.003	0.275	0.005	0.442
5352150	123420	0.182	0.189	0.174	0.181
627181	83117	0.097	0.273	0.093	0.262
46933634	99075	<0.001	0.335	<0.001	0.390
31919863	107441	0.004	0.386	0.003	0.332
65515085	87073	0.001	0.362	0.001	0.360
27543446	129818	<0.001	0.378	<0.001	0.346
41466217	118577	<0.001	0.354	<0.001	0.369
27701315	110974	<0.001	0.363	<0.001	0.361
30662840	108536	0.015	0.365	0.014	0.329
88092852	76553	<0.001	0.390	<0.001	0.333
91505271	63713	0.179	0.195	0.167	0.182
39467746	106224	0.119	0.265	0.105	0.234
51505967	92146	<0.001	<0.001	0.475	0.247
91505271	69551	0.093	0.280	0.087	0.262
35288118	103543	0.082	0.298	0.074	0.269
68869440	98325	0.053	0.023	0.447	0.199
57039768	104610	0.099	0.290	0.085	0.248
65515085	87475	0.007	0.355	0.007	0.353
57525922	98450	0.032	0.361	0.027	0.301
66043480	91708	0.007	0.390	0.005	0.319
38608456	112942	<0.001	0.338	<0.001	0.383
95090392	75617	0.019	0.350	0.018	0.335
25391772	126961	<0.001	0.364	<0.001	0.357
42065227	97072	0.160	0.214	0.148	0.198
50746075	91569	0.025	0.285	0.033	0.378
23318250	116570	<0.001	0.373	<0.001	0.347
46933634	101911	0.058	0.315	0.054	0.293

169599431	37041	<0.001	<0.001	0.582	0.137
142888585	70054	0.010	0.389	0.008	0.313
29446558	121293	<0.001	0.401	<0.001	0.319
99507759	95373	0.095	0.284	0.085	0.255
29446558	126196	<0.001	0.400	<0.001	0.319
46933634	86686	0.057	0.313	0.054	0.295
102826461	68570	0.002	0.359	0.002	0.356
16213812	95280	0.112	0.264	0.102	0.241
20306909	119374	0.017	0.365	0.015	0.321
86291243	91250	0.186	0.149	0.212	0.170
99048952	83358	<0.001	0.315	<0.001	0.404
131905472	67170	0.148	0.235	0.130	0.205
29446558	120765	<0.001	0.400	<0.001	0.318
51452713	135925	0.006	0.367	0.006	0.338
74430881	91541	<0.001	0.392	<0.001	0.325
27472217	110741	<0.001	0.354	<0.001	0.363
80263538	93612	0.004	0.350	0.004	0.360
27961696	107108	<0.001	0.374	<0.001	0.343
107188010	74656	<0.001	0.390	<0.001	0.326
117873752	57902	0.022	0.359	0.019	0.315
113542070	62086	0.012	0.380	0.010	0.313
53899821	107124	<0.001	0.078	<0.001	0.637
57976551	102637	0.067	0.286	0.069	0.293
93698847	67995	0.017	0.364	0.014	0.320
95036250	77940	<0.001	0.191	<0.001	0.523
12877545	137024	<0.001	0.373	<0.001	0.341
44031382	92856	<0.001	0.370	<0.001	0.344
9811676	105143	<0.001	0.376	<0.001	0.336
102745712	74800	<0.001	0.356	<0.001	0.357
50505096	82504	0.004	0.376	0.004	0.328
33625190	113066	0.004	0.003	0.427	0.278
50237377	120364	<0.001	0.361	<0.001	0.351
108532542	82610	0.014	0.352	0.013	0.332
27961696	106510	<0.001	0.371	<0.001	0.340
34207797	112267	0.004	0.395	0.003	0.308
45457517	100249	<0.001	0.379	<0.001	0.332
30441351	109854	0.016	0.372	0.013	0.310
57941007	99936	0.064	0.278	0.069	0.300
54410906	101637	0.006	0.371	0.006	0.328
61981415	77139	0.001	0.365	0.001	0.344
96297606	83183	0.069	0.317	0.058	0.266
4581788	123178	0.003	0.357	0.003	0.347
50686722	92373	0.033	0.345	0.029	0.302
64052176	92317	0.146	0.231	0.128	0.203
76921469	102057	<0.001	0.369	<0.001	0.340

27543446	123987	<0.001	0.372	<0.001	0.337
65629497	86680	0.007	0.336	0.007	0.358
31584798	106543	0.030	0.323	0.030	0.326
50237377	116605	0.086	0.273	0.084	0.265
76921469	105355	0.007	0.361	0.007	0.333
63972015	88639	0.007	0.362	0.006	0.333
94312706	81764	0.103	0.292	0.081	0.231
23712319	119199	<0.001	0.350	<0.001	0.357
24608176	124697	<0.001	0.366	<0.001	0.340
42065227	100259	<0.001	0.366	<0.001	0.340
46761056	82491	0.072	0.226	0.098	0.309
27190947	110289	<0.001	0.365	<0.001	0.340
45933259	94891	<0.001	0.360	<0.001	0.344
1454487	106695	0.024	0.343	0.022	0.316
50237377	104826	0.005	0.351	0.005	0.344
56507694	97704	0.037	0.344	0.031	0.292
54406080	100652	0.006	0.374	0.005	0.318
21672065	120528	<0.001	0.339	<0.001	0.364
49488584	97557	<0.001	0.373	<0.001	0.329
80531877	88654	0.206	0.179	0.169	0.147
27961696	110931	<0.001	0.369	<0.001	0.333
24231932	143353	<0.001	0.377	<0.001	0.324
64806861	108761	0.008	0.372	0.007	0.313
77699115	181386	0.024	0.349	0.021	0.305
74847744	85990	<0.001	0.353	<0.001	0.345
86687748	87806	0.001	0.356	0.001	0.341
35654068	138664	<0.001	0.344	0.001	0.353
27472217	115144	<0.001	0.345	<0.001	0.353
2182451	102639	0.102	0.226	0.115	0.255
46933634	98470	0.072	0.250	0.084	0.291
107188010	66880	0.011	0.371	0.009	0.305
34851655	111222	0.001	0.373	<0.001	0.323
34590138	117502	<0.001	0.371	<0.001	0.325
9268825	95322	0.007	0.366	0.006	0.318
63886645	90714	0.006	0.306	0.007	0.377
53496129	106309	<0.001	0.356	<0.001	0.340
49201778	95471	0.095	0.287	0.078	0.235
56358296	107040	0.026	0.326	0.025	0.317
105781926	72067	0.015	0.349	0.014	0.318
43771106	101041	<0.001	0.321	<0.001	0.373
76976029	102774	0.007	0.347	0.006	0.333
43625799	104966	<0.001	0.325	<0.001	0.368
53346690	102054	<0.001	0.333	<0.001	0.360
42019844	99259	<0.001	0.349	<0.001	0.344
31542101	101542	0.195	0.136	0.213	0.148

42219084	130601	0.088	0.263	0.085	0.254
23318250	115958	0.082	0.276	0.076	0.256
10633236	105288	0.237	0.118	0.222	0.110
524479	37729	0.062	0.284	0.061	0.279
31638120	37729	0.062	0.284	0.061	0.279
44031382	101890	<0.001	0.355	<0.001	0.329
86291243	92119	<0.001	0.319	<0.001	0.365
57625593	98461	0.027	0.299	0.029	0.329
50709196	94030	<0.001	0.365	<0.001	0.318
45915419	94525	0.074	0.298	0.062	0.249
108532542	82281	0.026	0.326	0.024	0.307
34893318	113565	<0.001	0.358	<0.001	0.323
95060274	121925	0.002	0.009	0.127	0.543
57976551	98018	0.028	0.309	0.028	0.316
34590138	112429	0.004	0.358	0.003	0.314
86291243	86321	0.001	0.315	0.001	0.363
88800022	92042	0.057	0.303	0.050	0.270
27472217	110118	<0.001	0.335	<0.001	0.344
39891667	99006	0.027	0.311	0.027	0.314
38937756	93880	0.053	0.303	0.048	0.274
35288118	108514	<0.001	0.356	<0.001	0.321
86361269	87213	0.001	0.368	0.001	0.308
57525922	103117	0.071	0.298	0.059	0.249
99918838	81642	0.002	0.366	0.002	0.307
39390502	102068	0.021	0.234	0.034	0.387
39467746	101113	0.029	0.330	0.025	0.291
21672065	120145	0.002	0.324	0.002	0.348
58248260	84714	<0.001	<0.001	0.061	0.613
9546187	132204	<0.001	0.335	<0.001	0.338
64125916	84128	0.083	0.296	0.064	0.230
1377019	98402	0.162	0.182	0.155	0.174
673578	86375	0.018	0.337	0.016	0.301
101965616	83048	0.095	0.249	0.091	0.237
96297606	79958	0.004	0.362	0.004	0.302
1862910	107510	0.023	0.332	0.020	0.295
76976029	99723	<0.001	0.343	<0.001	0.328
5870551	129670	<0.001	<0.001	0.393	0.277
79992080	93454	0.002	0.359	0.002	0.307
64052176	88815	<0.001	0.357	<0.001	0.312
977604	74473	0.020	0.338	0.018	0.294
1680859	86780	0.021	0.340	0.018	0.290
9268825	110739	0.099	0.255	0.087	0.226
49488584	94469	0.089	0.266	0.078	0.233
89531284	88538	0.048	0.297	0.045	0.276
16875432	88846	0.145	0.216	0.122	0.182

59817947	152592	0.027	0.331	0.023	0.284
65780976	91395	<0.001	<0.001	0.445	0.219
6604114	102541	0.017	0.322	0.016	0.308
60695082	85309	<0.001	0.355	<0.001	0.308
43625799	96129	<0.001	0.309	<0.001	0.353
99507759	93906	0.152	0.197	0.136	0.177
20418404	122431	0.016	0.320	0.015	0.309
65629497	86278	0.001	0.319	0.001	0.340
69518790	81048	<0.001	<0.001	0.391	0.269
97637023	80268	0.013	0.338	0.011	0.296
67864407	101928	0.001	0.211	0.003	0.443
38230805	107762	<0.001	0.323	<0.001	0.335
7590856	111788	0.003	0.193	0.006	0.456
50505096	95324	<0.001	0.347	<0.001	0.311
49780972	97724	<0.001	0.329	<0.001	0.329
93401630	69679	0.039	0.305	0.036	0.277
45412650	94707	<0.001	0.288	<0.001	0.368
55841697	117555	0.042	0.319	0.034	0.260
95361501	76356	0.017	0.302	0.018	0.319
91576994	70489	0.077	0.230	0.088	0.261
113765621	64477	<0.001	0.336	<0.001	0.319
977604	103441	0.006	0.342	0.005	0.302
108097132	70729	0.018	0.333	0.015	0.288
7881961	108829	0.073	0.280	0.062	0.239
6730573	102703	0.018	0.334	0.015	0.288
41875787	100063	<0.001	0.337	<0.001	0.316
45457517	99796	0.038	0.310	0.033	0.272
120169840	64333	0.126	0.202	0.124	0.199
117873752	62542	0.001	0.345	0.001	0.305
25391772	126961	<0.001	0.338	<0.001	0.313
53346690	101608	<0.001	0.313	<0.001	0.338
91576994	64619	0.144	0.158	0.166	0.182
27376099	106356	0.133	0.119	0.209	0.188
55462989	112327	0.051	0.279	0.049	0.271
52862080	101581	<0.001	0.338	<0.001	0.311
75254466	83277	0.010	0.335	0.009	0.295
136934068	51515	0.015	0.315	0.015	0.302
43786644	100885	<0.001	0.329	<0.001	0.318
57941007	90787	0.017	0.291	0.019	0.320
41875787	96997	0.145	0.190	0.135	0.177
35230589	113336	0.005	0.310	0.005	0.326
37607525	97554	0.166	0.163	0.158	0.156
42721980	108659	<0.001	<0.001	0.374	0.269
124632186	66630	0.081	0.245	0.079	0.239
111683311	63725	<0.001	0.335	<0.001	0.307

57607144	105112	0.045	0.184	0.080	0.333
119164600	70063	0.011	0.327	0.010	0.293
113765621	66851	<0.001	0.329	<0.001	0.312
7245203	112470	0.004	0.339	0.003	0.294
45933259	94435	0.067	0.260	0.064	0.249
56898006	101904	<0.001	0.314	<0.001	0.327
25189552	115640	0.195	0.139	0.178	0.127
62330037	88552	<0.001	0.344	<0.001	0.295
48863834	97999	0.001	0.304	0.001	0.330
38174066	104873	0.011	0.319	0.010	0.296
49647403	93002	<0.001	0.348	<0.001	0.285
156629324	40096	<0.001	<0.001	0.388	0.246
10166023	105955	<0.001	0.307	<0.001	0.327
39371426	113161	0.176	0.131	0.187	0.139
27190947	110855	<0.001	0.327	<0.001	0.305
45661329	94579	0.038	0.271	0.040	0.281
49249105	92796	0.077	0.230	0.081	0.241
38962964	109789	0.002	0.316	0.002	0.309
30081778	110481	<0.001	0.336	<0.001	0.292
6730573	117659	0.016	0.320	0.014	0.278
123819391	57094	0.196	0.155	0.154	0.122
14665181	111913	0.003	0.330	0.003	0.290
27961696	100574	0.185	0.142	0.169	0.129
41466217	118017	<0.001	0.306	<0.001	0.318
72385635	95071	<0.001	0.322	<0.001	0.302
86120772	93940	0.160	0.124	0.191	0.147
30441351	110316	<0.001	0.339	<0.001	0.283
2252072	111850	0.019	0.294	0.019	0.291
103540128	74688	0.042	0.296	0.036	0.248
66336350	90382	0.002	0.071	0.013	0.536
44389808	104471	<0.001	0.331	<0.001	0.290
54406080	110767	0.022	0.312	0.018	0.267
38937756	104701	0.003	0.321	0.003	0.292
848175	96038	0.017	0.304	0.016	0.279
7656489	98943	0.175	0.130	0.178	0.132
49647403	100930	<0.001	0.335	<0.001	0.279
66460680	91081	0.001	0.307	0.001	0.303
32615353	112687	<0.001	0.326	<0.001	0.285
56497289	98929	0.030	0.280	0.029	0.272
83016674	99300	<0.001	<0.001	0.422	0.189
102826461	77664	<0.001	0.307	<0.001	0.304
16482564	96365	0.084	0.222	0.083	0.220
76976029	96059	0.011	0.299	0.010	0.288
54406080	106633	0.039	0.288	0.034	0.246
9987097	94329	<0.001	<0.001	0.234	0.372

34590138	112947	<0.001	0.322	<0.001	0.283
53050763	95525	0.005	0.299	0.005	0.294
982954	95606	0.158	0.149	0.153	0.144
130639954	60038	0.023	0.158	0.053	0.370
118036315	72881	<0.001	0.291	<0.001	0.312
40470235	108810	0.163	0.108	0.199	0.131
43019733	93573	<0.001	0.329	<0.001	0.272
77699115	188366	0.003	0.318	0.003	0.278
53290068	98438	0.003	0.190	0.007	0.399
53496129	97800	0.005	0.301	0.005	0.287
27190947	115543	<0.001	0.308	<0.001	0.289
71993667	96352	<0.001	0.321	<0.001	0.271
107270613	66136	0.010	0.313	0.008	0.262
34345009	104448	<0.001	<0.001	0.357	0.234
99381871	78222	<0.001	0.323	<0.001	0.267
6730573	120716	0.173	0.141	0.151	0.123
1862910	113624	<0.001	0.310	<0.001	0.275
16482564	99716	0.006	0.282	0.006	0.286
131892530	61598	0.081	0.199	0.086	0.211
43883205	100375	<0.001	0.305	<0.001	0.272
27089874	120911	<0.001	0.309	<0.001	0.269
122712003	55715	<0.001	0.290	<0.001	0.285
102401481	73283	<0.001	<0.001	0.354	0.220
977604	103941	<0.001	0.305	<0.001	0.269
30134827	109977	0.016	0.270	0.016	0.270
683392	61172	0.027	0.272	0.024	0.249
35654068	132351	0.005	0.276	0.005	0.284
46035721	101447	<0.001	<0.001	0.403	0.165
8939249	106722	0.085	0.220	0.073	0.190
25164879	124324	<0.001	0.300	<0.001	0.267
75452674	92400	0.002	0.255	0.002	0.307
25164879	123618	<0.001	0.299	<0.001	0.266
33128762	111096	0.009	0.284	0.008	0.263
6655216	127659	<0.001	<0.001	0.328	0.235
1921238	102847	<0.001	<0.001	0.173	0.384
24237414	121829	<0.001	0.296	<0.001	0.261
13055303	109897	<0.001	0.290	<0.001	0.265
34207797	117234	<0.001	0.309	<0.001	0.244
159684379	33866	0.065	0.217	0.063	0.208
32690252	113037	<0.001	0.301	<0.001	0.250
86687748	93836	<0.001	0.279	<0.001	0.272
30914868	111141	<0.001	0.306	<0.001	0.244
205047417	9489	<0.001	<0.001	0.116	0.428
46761056	97484	0.035	0.199	0.046	0.262
112194655	73084	0.092	0.201	0.078	0.171

77699115	174572	0.015	0.277	0.013	0.238
41466217	114436	0.119	0.145	0.125	0.152
52520863	98872	<0.001	0.291	<0.001	0.249
51452713	154911	<0.001	0.281	<0.001	0.259
14228896	105822	<0.001	0.290	<0.001	0.249
94759605	79263	0.155	0.116	0.152	0.114
27089874	115414	<0.001	0.287	<0.001	0.250
49780972	87305	0.003	0.262	0.003	0.266
32615353	98567	0.055	0.232	0.047	0.200
75529343	90449	0.010	0.265	0.009	0.249
66336350	94630	<0.001	0.064	0.002	0.466
79350535	95793	0.003	0.259	0.003	0.267
52317145	92789	<0.001	0.270	<0.001	0.260
30081778	110004	0.016	0.267	0.014	0.232
43969760	92064	<0.001	0.264	<0.001	0.265
45762871	98649	0.053	0.219	0.050	0.207
94759605	71991	0.011	0.255	0.011	0.250
12031316	108044	0.001	0.294	0.001	0.230
79992080	94056	<0.001	0.282	<0.001	0.242
45182188	97165	0.032	0.238	0.029	0.219
66536213	110628	0.002	0.279	0.001	0.236
27089874	115970	<0.001	0.276	<0.001	0.241
34042568	102882	0.042	0.232	0.037	0.203
106054732	68541	0.124	0.095	0.168	0.128
106175002	68541	0.124	0.095	0.168	0.128
34328592	104542	<0.001	<0.001	0.309	0.202
45933259	97972	0.084	0.176	0.081	0.168
80308593	108053	0.002	0.275	0.002	0.230
7614690	103471	0.052	0.211	0.048	0.195
67258625	87295	0.050	0.218	0.044	0.191
35016232	113349	<0.001	0.255	<0.001	0.248
23318250	120725	0.027	0.233	0.025	0.216
8439254	112321	0.032	0.014	0.314	0.141
88800022	81846	<0.001	0.264	<0.001	0.234
52317145	93098	<0.001	0.253	<0.001	0.244
98134347	83225	0.056	0.203	0.051	0.185
49780972	100245	<0.001	0.247	<0.001	0.248
12061925	105500	0.001	0.262	0.001	0.228
99381871	72714	0.001	0.267	<0.001	0.219
848175	81565	0.128	0.126	0.116	0.114
49647403	103817	<0.001	0.264	<0.001	0.220
112194655	68411	0.009	0.253	0.007	0.210
20270769	121164	0.011	0.225	0.011	0.228
6463847	102466	0.013	0.240	0.011	0.209
16286059	96103	0.005	0.244	0.005	0.218

16859854	98103	<0.001	0.222	<0.001	0.247
25391772	122184	<0.001	0.240	<0.001	0.222
6420930	105838	0.011	0.204	0.013	0.234
142545822	36690	<0.001	0.225	<0.001	0.237
31919863	111623	<0.001	0.247	<0.001	0.213
51747115	93641	<0.001	<0.001	0.306	0.151
57625593	90076	0.018	0.198	0.020	0.221
79992080	99828	0.159	0.086	0.136	0.074
50709196	85238	<0.001	0.242	<0.001	0.208
33625190	127705	0.003	0.002	0.296	0.145
51472929	87139	<0.001	0.221	<0.001	0.224
101204601	84709	0.067	0.142	0.076	0.160
51472929	87458	<0.001	0.219	<0.001	0.222
43969760	100963	<0.001	0.219	<0.001	0.220
25391772	122895	<0.001	0.228	<0.001	0.211
24802464	123172	0.002	0.158	0.003	0.274
867884	69471	0.019	0.194	0.020	0.203
60770958	89002	0.004	0.225	0.004	0.202
32584227	107297	0.049	0.178	0.045	0.163
31970458	107446	0.002	0.230	0.002	0.196
32003195	107446	0.002	0.230	0.002	0.196
3534173	120486	<0.001	0.216	<0.001	0.213
43969760	100464	<0.001	0.213	<0.001	0.213
52317145	86666	0.032	0.184	0.031	0.177
51414651	87500	<0.001	0.118	<0.001	0.303
51414651	87194	<0.001	0.117	<0.001	0.303
107270613	73830	<0.001	0.225	<0.001	0.191
69740766	91012	0.124	0.100	0.106	0.086
5352150	108357	0.011	0.200	0.011	0.191
33259028	113479	0.002	0.191	0.002	0.218
9811676	94079	0.005	0.209	0.004	0.185
1549038	122889	<0.001	<0.001	0.237	0.163
55612141	117822	<0.001	<0.001	0.265	0.131
18499986	104449	<0.001	<0.001	0.012	0.383
31707540	107179	0.002	0.214	0.002	0.175
32615353	108040	<0.001	0.208	<0.001	0.181
34314040	104609	<0.001	<0.001	0.231	0.151
31584798	106972	0.002	0.188	0.002	0.189
39264157	101786	<0.001	0.208	<0.001	0.170
57607144	100322	0.011	0.124	0.020	0.221
122933938	58402	0.127	0.069	0.115	0.062
54672972	108620	0.025	0.174	0.022	0.152
114683083	75071	<0.001	0.198	<0.001	0.174
37607525	107453	<0.001	0.187	<0.001	0.178
122743351	55916	0.001	0.192	0.001	0.167

56497289	104282	0.101	0.081	0.099	0.079
4643223	111085	0.115	0.075	0.099	0.065
74847744	89224	<0.001	0.179	<0.001	0.175
66043480	87415	0.001	0.190	<0.001	0.155
114683083	78215	<0.001	0.180	<0.001	0.158
183731365	22755	<0.001	<0.001	0.045	0.290
32713184	179922	<0.001	0.161	<0.001	0.166
77699115	182029	<0.001	0.172	<0.001	0.150
50686722	95863	<0.001	0.171	<0.001	0.149
30081778	115008	0.077	0.083	0.068	0.073
48863834	86306	0.012	0.132	0.013	0.141
72254448	96205	<0.001	0.131	<0.001	0.162
24608176	128890	0.005	0.142	0.005	0.133
32584227	98210	0.027	0.117	0.025	0.107
76976029	99356	0.007	0.133	0.007	0.127
14665181	108722	<0.001	0.145	<0.001	0.127
43754224	101886	<0.001	0.127	<0.001	0.142
51364020	87474	<0.001	0.141	<0.001	0.126
38326352	115895	0.083	0.053	0.076	0.049
43805185	100758	<0.001	0.125	<0.001	0.135
51364020	87185	<0.001	0.137	<0.001	0.122
3451213	118529	<0.001	<0.001	0.118	0.136
72748222	138737	<0.001	0.113	<0.001	0.132
57625593	93934	0.006	0.101	0.007	0.113
9771126	106687	<0.001	0.115	<0.001	0.112
14228896	109074	0.001	0.119	0.001	0.102
25976586	127649	<0.001	<0.001	0.145	0.069
10480568	101914	<0.001	<0.001	0.143	0.069
125239046	65804	<0.001	0.113	<0.001	0.099
41135723	98852	0.045	0.060	0.041	0.055
67517450	93970	0.001	0.004	0.029	0.115
55149473	112052	<0.001	<0.001	0.063	0.076
57976551	93270	0.004	0.062	0.004	0.064
32584227	107692	<0.001	0.060	<0.001	0.055
161175129	34884	<0.001	0.042	<0.001	0.061
57386644	102494	<0.001	<0.001	0.018	0.078
53899821	103262	<0.001	0.010	<0.001	0.085
125546150	64881	<0.001	0.045	<0.001	0.040
53899821	102846	<0.001	0.007	<0.001	0.057
161175129	34884	<0.001	0.019	<0.001	0.044
67517450	93582	<0.001	0.001	0.004	0.033
49230190	95352	<0.001	<0.001	0.006	0.018
57418956	93634	0.001	0.010	0.001	0.012
52864704	97308	<0.001	0.001	<0.001	0.002
52864704	97645	<0.001	0.001	<0.001	0.002

66336350	90015	<0.001	<0.001	<0.001	0.001
203155832	7554	<0.001	<0.001	0.009	0.991
120487013	39380	<0.001	<0.001	0.004	0.996
74941314	39380	<0.001	<0.001	0.004	0.996
156213108	37545	<0.001	<0.001	0.003	0.996
156569880	39507	<0.001	<0.001	0.003	0.996
140009629	39095	<0.001	<0.001	0.003	0.997
169599431	35952	<0.001	<0.001	0.002	0.998
169680843	34866	<0.001	<0.001	0.002	0.998
71306938	86809	<0.001	<0.001	0.002	0.998
160534539	34119	<0.001	<0.001	0.002	0.998
69518790	87251	<0.001	<0.001	0.002	0.998
160724611	32275	<0.001	<0.001	0.002	0.998
113006306	65944	<0.001	<0.001	0.001	0.999
113774999	64501	<0.001	<0.001	0.001	0.999
49230190	98858	<0.001	<0.001	0.001	0.999
34732170	110787	<0.001	<0.001	0.001	0.999
34328592	116744	<0.001	<0.001	0.001	0.999
34399392	116563	<0.001	<0.001	0.001	0.999
34308533	116865	<0.001	<0.001	0.001	0.999
34314040	116754	<0.001	<0.001	0.001	0.999
34683725	116417	<0.001	<0.001	0.001	0.999
34732170	115404	<0.001	<0.001	0.001	0.999
9147317	116451	<0.001	<0.001	0.001	0.999
10282857	106813	<0.001	<0.001	0.001	0.999
9987097	105245	<0.001	<0.001	0.001	0.999
54785039	109968	<0.001	<0.001	0.001	0.999
150390257	33901	<0.001	<0.001	0.001	0.999
81115090	92086	<0.001	<0.001	0.001	0.999
149535435	31686	<0.001	<0.001	0.001	0.999
71306938	95787	<0.001	<0.001	0.001	0.999
93525935	114978	<0.001	<0.001	<0.001	>0.999
113006306	60788	<0.001	<0.001	<0.001	>0.999
34345009	112139	<0.001	<0.001	<0.001	>0.999
74737025	87322	<0.001	<0.001	<0.001	>0.999
74737025	90681	<0.001	<0.001	<0.001	>0.999
23314727	117894	<0.001	<0.001	<0.001	>0.999
9987097	104854	<0.001	<0.001	<0.001	>0.999
14164030	105637	<0.001	<0.001	<0.001	>0.999
10282857	106423	<0.001	<0.001	<0.001	>0.999
10324737	107133	<0.001	<0.001	<0.001	>0.999
10397291	107530	<0.001	<0.001	<0.001	>0.999
9147317	115977	<0.001	<0.001	<0.001	>0.999
42729654	101594	<0.001	<0.001	<0.001	>0.999
42721980	114055	<0.001	<0.001	<0.001	>0.999

83016674	93893	<0.001	<0.001	<0.001	>0.999
96143803	81439	<0.001	<0.001	<0.001	>0.999
83278455	103077	<0.001	<0.001	<0.001	>0.999
17596583	101799	<0.001	<0.001	<0.001	>0.999
111432470	57450	<0.001	<0.001	<0.001	>0.999
51487355	90297	<0.001	<0.001	<0.001	>0.999
51505967	90217	<0.001	<0.001	<0.001	>0.999
117568319	67476	<0.001	<0.001	<0.001	>0.999
117103241	67672	<0.001	<0.001	<0.001	>0.999
117692875	68109	<0.001	<0.001	<0.001	>0.999
51531295	90018	<0.001	<0.001	<0.001	>0.999
117880536	69316	<0.001	<0.001	<0.001	>0.999
10480568	112378	<0.001	<0.001	<0.001	>0.999
10282857	110514	<0.001	<0.001	<0.001	>0.999
51639908	90334	<0.001	<0.001	<0.001	>0.999
52039480	97552	<0.001	<0.001	<0.001	>0.999
51656783	90544	<0.001	<0.001	<0.001	>0.999
51747115	91819	<0.001	<0.001	<0.001	>0.999
71306938	95208	<0.001	<0.001	<0.001	>0.999
70694585	95934	<0.001	<0.001	<0.001	>0.999
49726934	97278	<0.001	<0.001	<0.001	>0.999
51066601	93073	<0.001	<0.001	<0.001	>0.999
51228965	91425	<0.001	<0.001	<0.001	>0.999
51228965	91425	<0.001	<0.001	<0.001	>0.999
113774999	67300	<0.001	<0.001	<0.001	>0.999
26700110	112054	<0.001	<0.001	<0.001	>0.999
51639908	86905	<0.001	<0.001	<0.001	>0.999
26700110	116630	<0.001	<0.001	<0.001	>0.999
26700110	111608	<0.001	<0.001	<0.001	>0.999
46526724	95225	<0.001	<0.001	<0.001	>0.999
51639908	86609	<0.001	<0.001	<0.001	>0.999
87804824	42123	<0.001	<0.001	<0.001	>0.999
49520348	42123	<0.001	<0.001	<0.001	>0.999
998352	105190	<0.001	<0.001	<0.001	>0.999
1280185	111850	<0.001	<0.001	<0.001	>0.999
102968497	74763	<0.001	<0.001	<0.001	>0.999
2564455	118544	<0.001	<0.001	<0.001	>0.999
1921238	115904	<0.001	<0.001	<0.001	>0.999
103015237	76844	<0.001	<0.001	<0.001	>0.999
102597781	76298	<0.001	<0.001	<0.001	>0.999
90775542	70749	<0.001	<0.001	<0.001	>0.999
102401481	76392	<0.001	<0.001	<0.001	>0.999
52150078	91118	<0.001	<0.001	<0.001	>0.999
52039480	93811	<0.001	<0.001	<0.001	>0.999
52535777	96317	<0.001	<0.001	<0.001	>0.999

73848790	89505	<0.001	<0.001	<0.001	>0.999
51747115	88254	<0.001	<0.001	<0.001	>0.999
72094954	94436	<0.001	<0.001	<0.001	>0.999
53794141	107010	<0.001	<0.001	<0.001	>0.999
143105949	34548	<0.001	<0.001	<0.001	>0.999
120487013	37785	<0.001	<0.001	<0.001	>0.999
74941314	37785	<0.001	<0.001	<0.001	>0.999
73848790	93538	<0.001	<0.001	<0.001	>0.999
51656783	87104	<0.001	<0.001	<0.001	>0.999
102796334	78847	<0.001	<0.001	<0.001	>0.999
1549038	114738	<0.001	<0.001	<0.001	>0.999
111432470	62286	<0.001	<0.001	<0.001	>0.999
38172981	106833	<0.001	<0.001	<0.001	>0.999
79241916	98871	<0.001	<0.001	<0.001	>0.999
78281910	112450	<0.001	<0.001	<0.001	>0.999
1921238	115305	<0.001	<0.001	<0.001	>0.999
1549038	114169	<0.001	<0.001	<0.001	>0.999
48919714	86712	<0.001	<0.001	<0.001	>0.999
79379110	100701	<0.001	<0.001	<0.001	>0.999
85925975	90237	<0.001	<0.001	<0.001	>0.999
49230190	89556	<0.001	<0.001	<0.001	>0.999
18499986	104896	<0.001	<0.001	<0.001	>0.999
103015237	80809	<0.001	<0.001	<0.001	>0.999
87804824	42141	<0.001	<0.001	<0.001	>0.999
49527590	42141	<0.001	<0.001	<0.001	>0.999
46623947	93927	<0.001	<0.001	<0.001	>0.999
46035721	95424	<0.001	<0.001	<0.001	>0.999
47371555	94239	<0.001	<0.001	<0.001	>0.999
102968497	78651	<0.001	<0.001	<0.001	>0.999
123130865	57813	<0.001	<0.001	<0.001	>0.999
113774999	64889	<0.001	<0.001	<0.001	>0.999
51531295	86558	<0.001	<0.001	<0.001	>0.999
51487355	86940	<0.001	<0.001	<0.001	>0.999
51505967	86824	<0.001	<0.001	<0.001	>0.999
46703430	95410	<0.001	<0.001	<0.001	>0.999
137779369	42765	<0.001	<0.001	<0.001	>0.999
37005655	103647	<0.001	<0.001	<0.001	>0.999
37005655	103241	<0.001	<0.001	<0.001	>0.999
87804824	40632	<0.001	<0.001	<0.001	>0.999
49520348	40632	<0.001	<0.001	<0.001	>0.999
87804824	40636	<0.001	<0.001	<0.001	>0.999
49527590	40636	<0.001	<0.001	<0.001	>0.999
58248260	93187	<0.001	<0.001	<0.001	>0.999
2564455	117903	<0.001	<0.001	<0.001	>0.999
72094954	91367	<0.001	<0.001	<0.001	>0.999

25976586	119755	<0.001	<0.001	<0.001	>0.999
42729654	102064	<0.001	<0.001	<0.001	>0.999
25976586	119090	<0.001	<0.001	<0.001	>0.999
25976586	124751	<0.001	<0.001	<0.001	>0.999
46221741	95173	<0.001	<0.001	<0.001	>0.999
52150078	90835	<0.001	<0.001	<0.001	>0.999
52535777	96013	<0.001	<0.001	<0.001	>0.999
52039480	93514	<0.001	<0.001	<0.001	>0.999
103015237	71462	<0.001	<0.001	<0.001	>0.999
51747115	87957	<0.001	<0.001	<0.001	>0.999
102968497	69491	<0.001	<0.001	<0.001	>0.999
51656783	86803	<0.001	<0.001	<0.001	>0.999
40984745	103881	<0.001	<0.001	<0.001	>0.999
102796334	82568	<0.001	<0.001	<0.001	>0.999
57386644	98290	<0.001	<0.001	<0.001	>0.999
11690808	105563	<0.001	<0.001	<0.001	>0.999
11727042	106648	<0.001	<0.001	<0.001	>0.999
11919002	104961	<0.001	<0.001	<0.001	>0.999
11919002	109106	<0.001	<0.001	<0.001	>0.999
11727042	110869	<0.001	<0.001	<0.001	>0.999
11690808	109726	<0.001	<0.001	<0.001	>0.999
76862166	99616	<0.001	<0.001	<0.001	>0.999
52150078	94773	<0.001	<0.001	<0.001	>0.999
52535777	100189	<0.001	<0.001	<0.001	>0.999
51066601	84646	<0.001	<0.001	<0.001	>0.999
135231530	48832	<0.001	<0.001	<0.001	>0.999
53794141	110871	<0.001	<0.001	<0.001	>0.999
42729654	104698	<0.001	<0.001	<0.001	>0.999
42721980	114577	<0.001	<0.001	<0.001	>0.999
34308533	112342	<0.001	<0.001	<0.001	>0.999
169680843	34704	<0.001	<0.001	<0.001	>0.999
169599431	35783	<0.001	<0.001	<0.001	>0.999
169555826	36536	<0.001	<0.001	<0.001	>0.999
21142008	103074	<0.001	<0.001	<0.001	>0.999
51066601	89869	<0.001	<0.001	<0.001	>0.999
168698444	35905	<0.001	<0.001	<0.001	>0.999
113774999	59598	<0.001	<0.001	<0.001	>0.999
152236560	36696	<0.001	<0.001	<0.001	>0.999
42721980	117970	<0.001	<0.001	<0.001	>0.999
49230190	95747	<0.001	<0.001	<0.001	>0.999
51505967	86518	<0.001	<0.001	<0.001	>0.999
51531295	86257	<0.001	<0.001	<0.001	>0.999
85925975	89979	<0.001	<0.001	<0.001	>0.999
51487355	86621	<0.001	<0.001	<0.001	>0.999
87804824	44509	<0.001	<0.001	<0.001	>0.999

49520348	44509	<0.001	<0.001	<0.001	>0.999
87804824	44539	<0.001	<0.001	<0.001	>0.999
49527590	44539	<0.001	<0.001	<0.001	>0.999
34399392	112001	<0.001	<0.001	<0.001	>0.999
87804824	45870	<0.001	<0.001	<0.001	>0.999
49527590	45870	<0.001	<0.001	<0.001	>0.999
87804824	45839	<0.001	<0.001	<0.001	>0.999
49520348	45839	<0.001	<0.001	<0.001	>0.999
34314040	112216	<0.001	<0.001	<0.001	>0.999
49726934	94824	<0.001	<0.001	<0.001	>0.999
34328592	112216	<0.001	<0.001	<0.001	>0.999
3451213	119086	<0.001	<0.001	<0.001	>0.999

PP.H4
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001

<0.001
<0.001
<0.001
<0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001

0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.001
0.002
0.002
0.002
0.002
0.002
0.002
0.002
0.002
0.002
0.002
0.002
0.002
0.002
0.002
0.002
0.002
0.002
0.002
0.002
0.002
0.002
0.002
0.002
0.002
0.002
0.002
0.002
0.002
0.002
0.002
0.002
0.002
0.003

0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.003
0.004
0.004
0.004
0.004
0.004
0.004
0.004
0.004
0.004
0.004
0.004
0.004
0.004
0.004
0.004
0.004
0.004
0.004

0.004
0.004
0.004
0.004
0.004
0.004
0.004
0.004
0.004
0.004
0.004
0.004
0.004
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.006
0.006
0.006
0.006
0.006
0.006
0.006
0.006

0.006
0.006
0.006
0.006
0.006
0.006
0.006
0.006
0.006
0.006
0.006
0.006
0.006
0.006
0.006
0.006
0.006
0.006
0.006
0.006
0.006
0.006
0.006
0.006
0.006
0.006
0.007
0.007
0.007
0.007
0.007
0.007
0.007
0.007
0.007
0.007
0.007
0.007
0.007
0.007
0.007
0.007
0.007
0.007
0.007

0.007
0.007
0.007
0.007
0.007
0.007
0.007
0.007
0.007
0.007
0.008
0.008
0.008
0.008
0.008
0.008
0.008
0.008
0.008
0.008
0.008
0.008
0.008
0.008
0.008
0.008
0.008
0.008
0.008
0.008
0.008
0.008
0.008
0.009
0.009
0.009
0.009
0.009
0.009
0.009
0.009
0.009
0.009
0.009

0.009
0.010
0.010
0.010
0.010
0.010
0.010
0.010
0.010
0.010
0.010
0.010
0.010
0.010
0.010
0.010
0.010
0.010
0.010
0.010
0.010
0.010
0.010
0.010
0.010
0.010
0.010
0.010
0.011
0.011
0.011
0.011
0.011
0.011
0.011
0.011
0.011
0.011
0.011
0.011
0.011
0.011
0.011
0.011
0.011
0.011
0.011
0.011

0.011
0.011
0.011
0.011
0.012
0.012
0.012
0.012
0.012
0.012
0.012
0.012
0.012
0.012
0.012
0.012
0.012
0.012
0.012
0.012
0.012
0.012
0.012
0.013
0.013
0.013
0.013
0.013
0.013
0.013
0.013
0.013
0.013
0.013
0.013
0.013
0.013
0.013
0.013
0.013
0.013
0.013
0.013
0.013
0.013

0.013
0.013
0.013
0.013
0.013
0.013
0.014
0.014
0.014
0.014
0.014
0.014
0.014
0.014
0.014
0.014
0.014
0.014
0.014
0.014
0.014
0.014
0.014
0.014
0.014
0.014
0.014
0.014
0.014
0.014
0.014
0.014
0.015
0.015
0.015
0.015
0.015
0.015
0.015
0.015
0.015
0.015
0.015
0.015
0.015
0.015
0.015

0.015
0.015
0.015
0.015
0.015
0.015
0.015
0.015
0.015
0.016
0.016
0.016
0.016
0.016
0.016
0.016
0.016
0.016
0.016
0.016
0.016
0.016
0.016
0.016
0.016
0.016
0.016
0.016
0.016
0.016
0.016
0.016
0.017
0.017
0.017
0.017
0.017
0.017
0.017
0.017
0.017
0.017
0.017
0.017
0.017

0.017
0.017
0.017
0.017
0.017
0.017
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.018
0.019
0.019
0.019
0.019
0.019
0.019
0.019
0.019
0.019
0.019
0.019
0.019
0.019
0.019

0.019
0.019
0.019
0.019
0.019
0.019
0.019
0.019
0.019
0.019
0.019
0.019
0.019
0.019
0.020
0.020
0.020
0.020
0.020
0.020
0.020
0.020
0.020
0.020
0.020
0.020
0.020
0.020
0.020
0.020
0.020
0.020
0.020
0.020
0.020
0.020
0.020
0.020
0.020
0.020
0.021
0.021
0.021
0.021
0.021
0.021
0.021

0.021
0.021
0.021
0.021
0.021
0.021
0.021
0.021
0.021
0.021
0.021
0.022
0.022
0.022
0.022
0.022
0.022
0.022
0.022
0.022
0.022
0.022
0.022
0.022
0.022
0.022
0.022
0.023
0.023
0.023
0.023
0.023
0.023
0.023
0.023
0.023
0.023
0.023
0.023
0.023
0.023
0.023
0.023
0.023
0.024
0.024

0.024
0.024
0.024
0.024
0.024
0.024
0.024
0.024
0.024
0.024
0.024
0.024
0.024
0.024
0.024
0.024
0.024
0.024
0.024
0.025
0.025
0.025
0.025
0.025
0.025
0.025
0.025
0.025
0.025
0.025
0.025
0.026
0.026
0.026
0.026
0.026
0.026
0.026
0.026
0.026
0.026
0.026
0.026
0.026
0.026

0.026
0.027
0.027
0.027
0.027
0.027
0.027
0.027
0.027
0.027
0.027
0.027
0.027
0.027
0.027
0.027
0.027
0.028
0.028
0.028
0.028
0.028
0.028
0.028
0.028
0.028
0.028
0.028
0.028
0.029
0.029
0.029
0.029
0.029
0.029
0.029
0.029
0.029
0.029
0.029
0.029
0.029
0.029
0.030
0.030
0.030

0.030
0.030
0.030
0.030
0.030
0.030
0.030
0.030
0.030
0.030
0.030
0.030
0.030
0.030
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.031
0.032
0.032
0.032
0.032
0.032
0.032
0.032
0.032
0.032
0.032
0.032
0.032
0.032
0.032
0.032
0.032
0.032
0.033

0.033
0.033
0.033
0.033
0.033
0.033
0.033
0.033
0.033
0.033
0.033
0.033
0.033
0.033
0.033
0.033
0.033
0.033
0.033
0.033
0.033
0.034
0.034
0.034
0.034
0.034
0.034
0.034
0.034
0.034
0.034
0.034
0.034
0.034
0.034
0.034
0.034
0.034
0.034
0.035
0.035
0.035
0.035
0.035
0.035
0.035

0.035
0.035
0.035
0.035
0.035
0.035
0.035
0.035
0.035
0.035
0.035
0.036
0.036
0.036
0.036
0.036
0.036
0.036
0.036
0.036
0.036
0.036
0.036
0.036
0.036
0.036
0.036
0.036
0.036
0.036
0.036
0.036
0.037
0.037
0.037
0.037
0.037
0.037
0.037
0.037
0.037
0.037
0.037
0.037
0.037
0.037
0.037

0.037
0.037
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.038
0.039
0.039
0.039
0.039
0.039
0.039
0.039
0.039
0.039
0.039
0.039
0.039
0.040
0.040
0.040
0.040
0.040
0.040
0.040
0.040
0.040
0.040
0.040

0.040
0.040
0.040
0.040
0.040
0.040
0.040
0.040
0.040
0.040
0.040
0.040
0.040
0.041
0.041
0.041
0.041
0.041
0.041
0.041
0.041
0.041
0.041
0.041
0.041
0.041
0.041
0.041
0.041
0.041
0.042
0.042
0.042
0.042
0.042
0.042
0.042
0.042
0.042
0.042
0.042
0.042
0.042
0.042

0.042
0.042
0.042
0.042
0.042
0.043
0.043
0.043
0.043
0.043
0.043
0.043
0.043
0.043
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.044
0.045
0.045
0.045
0.045
0.045
0.045
0.045
0.045
0.045

0.045
0.046
0.046
0.046
0.046
0.046
0.046
0.046
0.046
0.046
0.046
0.046
0.046
0.046
0.046
0.046
0.047
0.047
0.047
0.047
0.047
0.047
0.047
0.047
0.047
0.047
0.047
0.047
0.047
0.047
0.047
0.047
0.048
0.048
0.048
0.048
0.048
0.048
0.048
0.048
0.048
0.048
0.048
0.048
0.048
0.048
0.048

0.048
0.048
0.048
0.048
0.048
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.049
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050

0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.050
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.051
0.052
0.052

0.052
0.052
0.052
0.052
0.052
0.052
0.052
0.052
0.052
0.052
0.052
0.052
0.052
0.052
0.052
0.052
0.052
0.052
0.052
0.052
0.052
0.052
0.052
0.052
0.052
0.052
0.052
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053
0.053

0.053
0.053
0.053
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.054
0.055
0.055
0.055
0.055
0.055
0.055
0.055
0.055
0.055
0.055
0.055
0.056
0.056
0.056
0.056
0.056
0.056
0.056
0.056
0.056
0.056
0.056
0.056
0.056
0.056
0.056
0.056
0.056

0.056
0.056
0.057
0.057
0.057
0.057
0.057
0.057
0.057
0.057
0.057
0.057
0.057
0.057
0.057
0.057
0.057
0.057
0.057
0.057
0.057
0.057
0.057
0.057
0.057
0.057
0.058
0.058
0.058
0.058
0.058
0.058
0.058
0.058
0.058
0.058
0.058
0.058
0.058
0.058
0.058
0.058
0.058
0.059
0.059
0.059

0.059
0.059
0.059
0.059
0.059
0.059
0.059
0.059
0.059
0.059
0.059
0.059
0.059
0.059
0.060
0.060
0.060
0.060
0.060
0.060
0.060
0.060
0.060
0.060
0.060
0.060
0.060
0.060
0.060
0.060
0.060
0.061
0.061
0.061
0.061
0.061
0.061
0.061
0.061
0.061
0.061
0.061
0.061
0.061
0.062
0.062

0.062
0.062
0.062
0.062
0.062
0.062
0.062
0.062
0.062
0.062
0.062
0.062
0.062
0.063
0.063
0.063
0.063
0.063
0.063
0.063
0.063
0.063
0.063
0.063
0.064
0.064
0.064
0.064
0.064
0.064
0.064
0.064
0.064
0.064
0.064
0.064
0.064
0.064
0.064
0.064
0.064
0.065
0.065
0.065
0.065

0.065
0.065
0.065
0.065
0.065
0.065
0.065
0.065
0.065
0.065
0.065
0.065
0.065
0.065
0.065
0.065
0.066
0.066
0.066
0.066
0.066
0.066
0.066
0.066
0.066
0.066
0.066
0.066
0.066
0.066
0.066
0.067
0.067
0.067
0.067
0.067
0.067
0.067
0.067
0.067
0.067
0.067
0.067
0.067
0.067
0.068

0.068
0.068
0.068
0.068
0.068
0.068
0.068
0.068
0.068
0.068
0.068
0.069
0.069
0.069
0.069
0.069
0.069
0.069
0.069
0.069
0.069
0.069
0.069
0.070
0.070
0.070
0.070
0.070
0.070
0.070
0.070
0.070
0.070
0.070
0.070
0.070
0.070
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071

0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.071
0.072
0.072
0.072
0.072
0.072
0.072
0.072
0.072
0.072
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073
0.073

0.073
0.073
0.073
0.073
0.074
0.074
0.074
0.074
0.074
0.074
0.074
0.074
0.074
0.074
0.074
0.074
0.074
0.074
0.075
0.075
0.075
0.075
0.075
0.075
0.075
0.075
0.075
0.075
0.075
0.076
0.076
0.076
0.076
0.076
0.076
0.076
0.076
0.076
0.076
0.076
0.076
0.076
0.076
0.076
0.076
0.076
0.076

0.076
0.076
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.077
0.078
0.078
0.078
0.078
0.078
0.078
0.078
0.079
0.079
0.079
0.079
0.079
0.079

0.079
0.079
0.079
0.079
0.079
0.079
0.079
0.079
0.080
0.080
0.080
0.080
0.080
0.080
0.080
0.080
0.080
0.080
0.080
0.080
0.080
0.080
0.080
0.080
0.080
0.080
0.080
0.080
0.080
0.081
0.081
0.081
0.081
0.081
0.081
0.081
0.081
0.081
0.081
0.081
0.081
0.081
0.081
0.081
0.081

0.082
0.082
0.082
0.082
0.082
0.082
0.082
0.082
0.082
0.082
0.082
0.082
0.082
0.082
0.082
0.082
0.082
0.082
0.082
0.082
0.082
0.082
0.082
0.082
0.082
0.082
0.082
0.082
0.082
0.082
0.082
0.083
0.083
0.083
0.083
0.083
0.083
0.083
0.083
0.083
0.083
0.083
0.083
0.083
0.083
0.083
0.083
0.083
0.083

0.083
0.083
0.084
0.084
0.084
0.084
0.084
0.084
0.084
0.084
0.084
0.084
0.084
0.084
0.084
0.084
0.084
0.084
0.084
0.084
0.084
0.084
0.084
0.084
0.085
0.085
0.085
0.085
0.085
0.085
0.085
0.085
0.085
0.085
0.085
0.085
0.085
0.085
0.086
0.086
0.086
0.086
0.086
0.086
0.086
0.086
0.086

0.086
0.086
0.086
0.086
0.087
0.087
0.087
0.087
0.087
0.087
0.087
0.087
0.087
0.087
0.087
0.088
0.088
0.088
0.088
0.088
0.088
0.088
0.088
0.088
0.088
0.088
0.089
0.089
0.089
0.089
0.089
0.089
0.090
0.090
0.090
0.090
0.090
0.090
0.090
0.090
0.090
0.090
0.090
0.090
0.090
0.090

0.090
0.090
0.090
0.090
0.090
0.090
0.091
0.091
0.091
0.091
0.091
0.091
0.091
0.091
0.092
0.092
0.092
0.092
0.092
0.092
0.092
0.092
0.092
0.092
0.092
0.092
0.092
0.093
0.093
0.093
0.093
0.093
0.093
0.093
0.093
0.093
0.093
0.093
0.094
0.094
0.094
0.094
0.094
0.094
0.094

0.094
0.094
0.094
0.094
0.094
0.094
0.094
0.094
0.095
0.095
0.095
0.095
0.095
0.095
0.095
0.095
0.096
0.096
0.096
0.096
0.096
0.096
0.096
0.096
0.096
0.097
0.097
0.097
0.097
0.097
0.097
0.097
0.097
0.097
0.097
0.097
0.097
0.097
0.097
0.097
0.097
0.097
0.097
0.097
0.097

0.097
0.097
0.098
0.098
0.098
0.098
0.098
0.098
0.098
0.098
0.098
0.098
0.098
0.098
0.098
0.098
0.099
0.099
0.099
0.099
0.099
0.099
0.099
0.099
0.099
0.099
0.099
0.099
0.100
0.100
0.100
0.100
0.100
0.100
0.100
0.100
0.100
0.100
0.100
0.100
0.100
0.100
0.100
0.100
0.100

0.100
0.100
0.100
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.101
0.102
0.102
0.102
0.102
0.102
0.102
0.102
0.102
0.102
0.102
0.102
0.102
0.102
0.102
0.102
0.102
0.102
0.102
0.102
0.102
0.102
0.102
0.102
0.102
0.103
0.103

0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.103
0.104
0.104
0.104
0.104
0.104
0.104
0.104
0.104
0.104
0.104
0.104
0.104
0.104
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.105
0.106
0.106
0.106
0.106

0.106
0.106
0.106
0.106
0.106
0.106
0.106
0.106
0.106
0.106
0.106
0.106
0.106
0.106
0.106
0.106
0.106
0.106
0.106
0.106
0.106
0.106
0.106
0.106
0.106
0.107
0.107
0.107
0.107
0.107
0.107
0.107
0.108
0.108
0.108
0.108
0.108
0.108
0.108
0.108
0.108
0.108
0.108
0.108
0.108
0.108
0.108

0.108
0.108
0.109
0.109
0.109
0.109
0.109
0.109
0.109
0.109
0.109
0.109
0.109
0.109
0.109
0.109
0.109
0.109
0.109
0.109
0.109
0.110
0.110
0.110
0.110
0.110
0.110
0.110
0.110
0.110
0.110
0.110
0.110
0.110
0.110
0.110
0.110
0.110
0.110
0.111
0.111
0.111
0.111
0.111
0.111
0.111
0.111

0.111
0.111
0.111
0.111
0.111
0.111
0.111
0.111
0.111
0.111
0.111
0.112
0.112
0.112
0.112
0.112
0.112
0.112
0.112
0.112
0.112
0.112
0.112
0.112
0.112
0.112
0.112
0.113
0.113
0.113
0.113
0.113
0.113
0.113
0.113
0.113
0.113
0.113
0.113
0.113
0.113
0.113
0.113
0.113
0.113
0.113
0.113

0.114
0.114
0.114
0.114
0.114
0.114
0.114
0.114
0.114
0.114
0.114
0.115
0.115
0.115
0.115
0.115
0.115
0.115
0.115
0.115
0.115
0.115
0.115
0.115
0.115
0.115
0.115
0.115
0.115
0.115
0.115
0.115
0.115
0.116
0.116
0.116
0.116
0.116
0.116
0.116
0.116
0.116
0.116
0.116
0.116

0.116
0.116
0.116
0.116
0.116
0.116
0.116
0.116
0.116
0.116
0.116
0.116
0.116
0.116
0.117
0.117
0.117
0.117
0.117
0.117
0.117
0.117
0.117
0.117
0.117
0.117
0.117
0.117
0.117
0.117
0.117
0.117
0.117
0.117
0.117
0.117
0.117
0.117
0.117
0.117
0.117
0.117
0.117
0.118
0.118

0.118
0.118
0.118
0.118
0.118
0.118
0.118
0.118
0.118
0.118
0.118
0.118
0.118
0.118
0.118
0.118
0.119
0.119
0.119
0.119
0.119
0.119
0.119
0.119
0.119
0.119
0.119
0.119
0.119
0.119
0.119
0.119
0.119
0.119
0.119
0.119
0.119
0.119
0.119
0.120
0.120
0.120
0.120
0.120
0.120

0.120
0.120
0.120
0.120
0.120
0.120
0.120
0.120
0.120
0.120
0.120
0.120
0.120
0.120
0.121
0.121
0.121
0.121
0.121
0.121
0.121
0.121
0.121
0.121
0.121
0.121
0.121
0.121
0.121
0.121
0.121
0.121
0.121
0.121
0.121
0.122
0.122
0.122
0.122
0.122
0.122
0.122
0.122
0.122
0.122
0.122

0.122
0.122
0.122
0.122
0.122
0.122
0.122
0.122
0.122
0.122
0.122
0.122
0.122
0.122
0.122
0.122
0.123
0.123
0.123
0.123
0.123
0.123
0.123
0.123
0.123
0.123
0.123
0.123
0.123
0.123
0.123
0.123
0.123
0.123
0.123
0.123
0.123
0.123
0.123
0.124
0.124
0.124
0.124
0.124
0.124
0.124
0.124

0.124
0.124
0.124
0.124
0.124
0.124
0.124
0.124
0.124
0.124
0.124
0.124
0.124
0.124
0.124
0.124
0.124
0.124
0.124
0.124
0.124
0.124
0.124
0.124
0.124
0.125
0.125
0.125
0.125
0.125
0.125
0.125
0.125
0.125
0.125
0.125
0.125
0.125
0.125
0.125
0.125
0.125
0.125
0.125
0.125

0.125
0.125
0.125
0.125
0.125
0.125
0.125
0.125
0.125
0.125
0.125
0.125
0.126
0.126
0.126
0.126
0.126
0.126
0.126
0.126
0.126
0.126
0.126
0.126
0.126
0.126
0.126
0.126
0.126
0.126
0.126
0.126
0.126
0.126
0.126
0.126
0.126
0.126
0.126
0.126
0.126
0.126
0.126
0.126
0.126

0.126
0.126
0.127
0.127
0.127
0.127
0.127
0.127
0.127
0.127
0.127
0.127
0.127
0.127
0.127
0.127
0.127
0.127
0.127
0.127
0.127
0.127
0.127
0.127
0.127
0.127
0.127
0.127
0.127
0.127
0.127
0.127
0.127
0.127
0.127
0.127
0.127
0.127
0.128
0.128
0.128
0.128
0.128
0.128
0.128
0.128
0.128
0.128

0.128
0.128
0.128
0.128
0.128
0.128
0.128
0.128
0.128
0.128
0.128
0.128
0.128
0.128
0.128
0.128
0.128
0.128
0.128
0.128
0.128
0.128
0.128
0.128
0.128
0.128
0.128
0.128
0.128
0.129
0.129
0.129
0.129
0.129
0.129
0.129
0.129
0.129
0.129
0.129
0.129
0.129
0.129
0.129
0.129
0.129
0.129
0.129
0.129
0.129
0.129

0.129
0.129
0.129
0.129
0.129
0.129
0.129
0.129
0.129
0.129
0.129
0.129
0.129
0.129
0.130
0.130
0.130
0.130
0.130
0.130
0.130
0.130
0.130
0.130
0.130
0.130
0.130
0.130
0.130
0.130
0.130
0.130
0.130
0.130
0.131
0.131
0.131
0.131
0.131
0.131
0.131
0.131
0.131
0.131

0.131
0.131
0.131
0.131
0.131
0.131
0.131
0.131
0.131
0.131
0.131
0.131
0.131
0.131
0.131
0.131
0.131
0.131
0.131
0.131
0.131
0.131
0.131
0.131
0.131
0.131
0.131
0.131
0.131
0.131
0.131
0.131
0.131
0.131
0.132
0.132
0.132
0.132
0.132
0.132
0.132
0.132
0.132
0.132
0.132

0.132
0.132
0.132
0.132
0.132
0.132
0.132
0.132
0.132
0.132
0.132
0.132
0.132
0.132
0.132
0.132
0.132
0.132
0.132
0.132
0.132
0.132
0.132
0.132
0.132
0.133
0.133
0.133
0.133
0.133
0.133
0.133
0.133
0.133
0.133
0.133
0.133
0.133
0.133
0.133
0.133
0.133
0.133
0.133
0.133

0.133
0.133
0.133
0.133
0.133
0.133
0.133
0.133
0.133
0.133
0.133
0.134
0.134
0.134
0.134
0.134
0.134
0.134
0.134
0.134
0.134
0.134
0.134
0.134
0.134
0.134
0.134
0.134
0.134
0.134
0.134
0.134
0.134
0.134
0.134
0.134
0.134
0.134
0.134
0.134
0.134
0.134
0.134
0.134
0.135
0.135
0.135

0.135
0.135
0.135
0.135
0.135
0.135
0.135
0.135
0.135
0.135
0.135
0.135
0.135
0.135
0.135
0.135
0.135
0.135
0.135
0.135
0.135
0.135
0.135
0.135
0.135
0.135
0.135
0.135
0.135
0.135
0.135
0.135
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136

0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.136
0.137
0.137
0.137
0.137
0.137
0.137
0.137
0.137
0.137
0.137
0.137
0.137
0.137
0.137
0.137
0.137
0.137
0.137
0.137
0.137
0.137
0.137
0.137
0.137
0.137
0.137

0.137
0.137
0.137
0.137
0.137
0.137
0.137
0.137
0.137
0.137
0.137
0.137
0.137
0.137
0.137
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138
0.138

0.138
0.139
0.139
0.139
0.139
0.139
0.139
0.139
0.139
0.139
0.139
0.139
0.139
0.139
0.139
0.139
0.139
0.139
0.139
0.139
0.139
0.139
0.139
0.139
0.140
0.140
0.140
0.140
0.140
0.140
0.140
0.140
0.140
0.140
0.140
0.140
0.140
0.140
0.140
0.140
0.140
0.140
0.140
0.140
0.140

0.140
0.140
0.140
0.140
0.140
0.140
0.140
0.140
0.140
0.140
0.141
0.141
0.141
0.141
0.141
0.141
0.141
0.141
0.141
0.141
0.141
0.141
0.141
0.141
0.141
0.141
0.141
0.141
0.141
0.141
0.141
0.141
0.141
0.141
0.141
0.141
0.141
0.141
0.141
0.141
0.142
0.142
0.142
0.142
0.142
0.142

0.142
0.142
0.142
0.142
0.142
0.142
0.142
0.142
0.142
0.142
0.142
0.142
0.142
0.142
0.142
0.142
0.142
0.142
0.142
0.142
0.142
0.142
0.142
0.142
0.142
0.142
0.142
0.142
0.142
0.142
0.142
0.142
0.142
0.142
0.142
0.142
0.143
0.143
0.143
0.143
0.143
0.143
0.143
0.143
0.143
0.143
0.143
0.143
0.143
0.143

0.143
0.143
0.143
0.143
0.143
0.143
0.143
0.143
0.143
0.143
0.143
0.143
0.143
0.143
0.143
0.143
0.143
0.143
0.143
0.143
0.143
0.143
0.143
0.143
0.143
0.143
0.143
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144

0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.144
0.145
0.145
0.145
0.145
0.145
0.145
0.145
0.145
0.145
0.145
0.145
0.145
0.145
0.145
0.145
0.145
0.145
0.145
0.145
0.145
0.145

0.145
0.145
0.145
0.145
0.145
0.145
0.146
0.146
0.146
0.146
0.146
0.146
0.146
0.146
0.146
0.146
0.146
0.146
0.146
0.146
0.146
0.146
0.146
0.146
0.146
0.146
0.146
0.146
0.146
0.146
0.146
0.146
0.146
0.146
0.147
0.147
0.147
0.147
0.147
0.147
0.147
0.147
0.147
0.147
0.147
0.147
0.147

0.147
0.147
0.147
0.147
0.147
0.147
0.147
0.147
0.147
0.147
0.147
0.147
0.147
0.147
0.147
0.147
0.147
0.147
0.147
0.147
0.147
0.147
0.147
0.147
0.148
0.148
0.148
0.148
0.148
0.148
0.148
0.148
0.148
0.148
0.148
0.148
0.148
0.148
0.148
0.148
0.148
0.148
0.148
0.148
0.148

0.148
0.148
0.148
0.148
0.148
0.148
0.148
0.148
0.148
0.148
0.148
0.149
0.149
0.149
0.149
0.149
0.149
0.149
0.149
0.149
0.149
0.149
0.149
0.149
0.149
0.149
0.149
0.149
0.149
0.149
0.149
0.149
0.149
0.149
0.149
0.149
0.149
0.149
0.149
0.149
0.149
0.149
0.149
0.149
0.149

0.149
0.149
0.149
0.149
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.150
0.151
0.151
0.151
0.151
0.151
0.151
0.151
0.151
0.151
0.151

0.151
0.151
0.151
0.151
0.151
0.151
0.151
0.151
0.151
0.151
0.151
0.151
0.151
0.151
0.151
0.152
0.152
0.152
0.152
0.152
0.152
0.152
0.152
0.152
0.152
0.152
0.152
0.152
0.152
0.152
0.152
0.152
0.152
0.152
0.152
0.152
0.152
0.152
0.152
0.152
0.153
0.153
0.153
0.153
0.153

0.153
0.153
0.153
0.153
0.153
0.153
0.153
0.153
0.153
0.153
0.153
0.153
0.153
0.153
0.153
0.153
0.153
0.153
0.153
0.153
0.153
0.153
0.154
0.154
0.154
0.154
0.154
0.154
0.154
0.154
0.154
0.154
0.154
0.154
0.154
0.154
0.154
0.154
0.154
0.154
0.154
0.154
0.154
0.155
0.155
0.155
0.155

0.155
0.155
0.155
0.155
0.155
0.155
0.155
0.155
0.155
0.155
0.155
0.155
0.155
0.155
0.155
0.155
0.155
0.155
0.155
0.156
0.156
0.156
0.156
0.156
0.156
0.156
0.156
0.156
0.156
0.156
0.156
0.156
0.156
0.156
0.156
0.156
0.156
0.156
0.156
0.156
0.156
0.156
0.156
0.156
0.156

0.156
0.156
0.157
0.157
0.157
0.157
0.157
0.157
0.157
0.157
0.157
0.157
0.157
0.157
0.157
0.157
0.157
0.157
0.157
0.157
0.157
0.157
0.158
0.158
0.158
0.158
0.158
0.158
0.158
0.158
0.158
0.158
0.158
0.158
0.158
0.158
0.158
0.158
0.158
0.158
0.158
0.158
0.158
0.158
0.158
0.158
0.158
0.158
0.158
0.158
0.158

0.158
0.158
0.158
0.158
0.159
0.159
0.159
0.159
0.159
0.159
0.159
0.159
0.159
0.159
0.159
0.159
0.159
0.159
0.159
0.159
0.159
0.159
0.159
0.159
0.159
0.159
0.159
0.159
0.159
0.159
0.159
0.159
0.159
0.159
0.159
0.159
0.159
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160

0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.160
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161
0.161

0.162
0.162
0.162
0.162
0.162
0.162
0.162
0.162
0.162
0.162
0.162
0.162
0.162
0.162
0.162
0.162
0.162
0.162
0.162
0.162
0.162
0.162
0.162
0.162
0.162
0.163
0.163
0.163
0.163
0.163
0.163
0.163
0.163
0.163
0.163
0.163
0.163
0.163
0.163
0.163
0.163
0.163
0.163
0.163
0.163
0.163
0.163
0.163
0.163
0.163
0.163

0.163
0.163
0.163
0.163
0.163
0.164
0.164
0.164
0.164
0.164
0.164
0.164
0.164
0.164
0.164
0.164
0.164
0.164
0.164
0.164
0.164
0.164
0.164
0.164
0.164
0.164
0.164
0.164
0.164
0.164
0.164
0.165
0.165
0.165
0.165
0.165
0.165
0.165
0.165
0.165
0.165
0.165
0.165
0.165
0.165
0.165

0.165
0.165
0.165
0.165
0.165
0.165
0.165
0.165
0.165
0.165
0.165
0.165
0.166
0.166
0.166
0.166
0.166
0.166
0.166
0.166
0.166
0.166
0.166
0.166
0.166
0.166
0.166
0.166
0.166
0.166
0.166
0.166
0.166
0.166
0.166
0.166
0.166
0.166
0.166
0.166
0.166
0.166
0.167
0.167
0.167
0.167
0.167
0.167

0.167
0.167
0.167
0.167
0.167
0.167
0.167
0.167
0.167
0.167
0.167
0.167
0.167
0.167
0.167
0.167
0.167
0.168
0.168
0.168
0.168
0.168
0.168
0.168
0.168
0.168
0.168
0.168
0.168
0.168
0.168
0.168
0.169
0.169
0.169
0.169
0.169
0.169
0.169
0.169
0.169
0.169
0.169
0.169
0.169
0.169
0.169

0.169
0.169
0.169
0.169
0.169
0.169
0.169
0.170
0.170
0.170
0.170
0.170
0.170
0.170
0.170
0.170
0.170
0.170
0.170
0.170
0.170
0.170
0.170
0.170
0.170
0.170
0.170
0.170
0.170
0.170
0.171
0.171
0.171
0.171
0.171
0.171
0.171
0.171
0.171
0.171
0.171
0.171
0.171
0.171
0.171

0.171
0.171
0.171
0.171
0.171
0.171
0.171
0.171
0.171
0.171
0.171
0.172
0.172
0.172
0.172
0.172
0.172
0.172
0.172
0.172
0.172
0.172
0.172
0.172
0.172
0.172
0.172
0.172
0.172
0.172
0.172
0.172
0.172
0.172
0.173
0.173
0.173
0.173
0.173
0.173
0.173
0.173
0.173
0.173

0.173
0.173
0.173
0.173
0.173
0.173
0.173
0.173
0.173
0.174
0.174
0.174
0.174
0.174
0.174
0.174
0.174
0.174
0.174
0.174
0.174
0.174
0.174
0.174
0.174
0.174
0.174
0.174
0.174
0.174
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.175
0.176
0.176

0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.176
0.177
0.177
0.177
0.177
0.177
0.177
0.177
0.177
0.177
0.177
0.177
0.177
0.177
0.177
0.177
0.177
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178
0.178

0.178
0.178
0.178
0.178
0.178
0.179
0.179
0.179
0.179
0.179
0.179
0.179
0.179
0.179
0.179
0.179
0.179
0.179
0.179
0.179
0.179
0.179
0.179
0.179
0.179
0.180
0.180
0.180
0.180
0.180
0.180
0.180
0.180
0.180
0.180
0.180
0.180
0.180
0.180
0.180
0.180
0.180
0.180
0.180
0.180

0.180
0.180
0.180
0.180
0.180
0.181
0.181
0.181
0.181
0.181
0.181
0.181
0.181
0.181
0.181
0.181
0.181
0.181
0.181
0.181
0.181
0.181
0.181
0.181
0.182
0.182
0.182
0.182
0.182
0.182
0.182
0.182
0.182
0.182
0.182
0.182
0.182
0.182
0.182
0.182
0.182
0.182
0.183
0.183
0.183
0.183

0.183
0.183
0.183
0.183
0.183
0.183
0.183
0.183
0.183
0.183
0.183
0.183
0.183
0.183
0.183
0.183
0.183
0.183
0.183
0.183
0.183
0.183
0.183
0.184
0.184
0.184
0.184
0.184
0.184
0.184
0.184
0.184
0.184
0.184
0.184
0.184
0.184
0.184
0.184
0.184
0.184
0.184
0.185
0.185
0.185
0.185
0.185

0.185
0.185
0.185
0.185
0.185
0.185
0.185
0.185
0.185
0.185
0.185
0.185
0.185
0.185
0.186
0.186
0.186
0.186
0.186
0.186
0.186
0.186
0.186
0.186
0.186
0.186
0.186
0.186
0.186
0.186
0.186
0.187
0.187
0.187
0.187
0.187
0.187
0.187
0.187
0.187
0.187
0.187
0.187
0.187
0.187
0.188

0.188
0.188
0.188
0.188
0.188
0.188
0.188
0.188
0.188
0.188
0.188
0.188
0.188
0.188
0.189
0.189
0.189
0.189
0.189
0.189
0.189
0.189
0.189
0.189
0.189
0.189
0.189
0.189
0.190
0.190
0.190
0.190
0.190
0.190
0.190
0.190
0.190
0.190
0.190
0.191
0.191
0.191
0.191
0.191
0.191
0.191
0.191

0.192
0.192
0.192
0.192
0.192
0.192
0.192
0.192
0.192
0.192
0.192
0.192
0.193
0.193
0.193
0.193
0.193
0.193
0.193
0.193
0.193
0.193
0.193
0.193
0.193
0.193
0.193
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.194
0.195
0.195
0.195
0.195
0.195
0.195
0.195
0.195

0.195
0.195
0.196
0.196
0.196
0.196
0.196
0.196
0.196
0.196
0.196
0.196
0.196
0.196
0.196
0.196
0.196
0.196
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.197
0.198
0.198
0.198
0.198
0.198
0.198
0.198
0.198
0.198
0.198
0.198
0.198
0.198
0.198
0.199
0.199
0.199
0.199

0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.199
0.200
0.200
0.200
0.200
0.200
0.200
0.200
0.200
0.200
0.200
0.200
0.200
0.200
0.200
0.201
0.201
0.201
0.201
0.201
0.201
0.201
0.201
0.201
0.201
0.201
0.201
0.201
0.202
0.202
0.202
0.202
0.202
0.202

0.202
0.202
0.202
0.202
0.202
0.202
0.202
0.202
0.203
0.203
0.203
0.203
0.203
0.203
0.203
0.203
0.203
0.203
0.203
0.204
0.204
0.204
0.204
0.204
0.204
0.204
0.204
0.204
0.205
0.205
0.205
0.205
0.205
0.205
0.205
0.205
0.205
0.205
0.205
0.205
0.205
0.206
0.206
0.206
0.206
0.206

0.206
0.206
0.206
0.206
0.206
0.206
0.206
0.206
0.207
0.207
0.207
0.207
0.207
0.207
0.207
0.207
0.207
0.207
0.207
0.207
0.207
0.207
0.207
0.208
0.208
0.208
0.208
0.208
0.208
0.208
0.208
0.208
0.209
0.209
0.209
0.209
0.209
0.209
0.209
0.209
0.209
0.209
0.209
0.209
0.210

0.210
0.210
0.210
0.210
0.210
0.210
0.210
0.211
0.211
0.211
0.211
0.211
0.211
0.211
0.211
0.211
0.212
0.212
0.212
0.212
0.212
0.213
0.213
0.213
0.213
0.213
0.213
0.213
0.213
0.213
0.213
0.213
0.213
0.213
0.214
0.214
0.214
0.214
0.214
0.214
0.214
0.214
0.214
0.214
0.214

0.215
0.215
0.215
0.215
0.215
0.215
0.215
0.216
0.216
0.216
0.216
0.216
0.216
0.216
0.216
0.216
0.216
0.216
0.216
0.216
0.216
0.216
0.217
0.217
0.217
0.217
0.217
0.217
0.217
0.217
0.217
0.217
0.217
0.217
0.217
0.218
0.218
0.218
0.218
0.218
0.218
0.219
0.219
0.219
0.219
0.219

0.219
0.219
0.219
0.219
0.219
0.220
0.220
0.220
0.221
0.221
0.221
0.221
0.221
0.221
0.221
0.221
0.222
0.222
0.222
0.222
0.222
0.222
0.222
0.223
0.223
0.223
0.223
0.223
0.224
0.224
0.224
0.224
0.224
0.224
0.224
0.224
0.224
0.224
0.225
0.225
0.225
0.225
0.226
0.226
0.226

0.226
0.226
0.226
0.226
0.226
0.227
0.227
0.227
0.228
0.228
0.228
0.228
0.228
0.228
0.228
0.228
0.228
0.228
0.228
0.228
0.229
0.229
0.229
0.229
0.229
0.229
0.229
0.229
0.229
0.229
0.229
0.230
0.230
0.230
0.230
0.230
0.230
0.230
0.231
0.231
0.231
0.231
0.231
0.231
0.231
0.232
0.232

0.232
0.232
0.232
0.232
0.232
0.232
0.233
0.233
0.233
0.233
0.233
0.233
0.233
0.233
0.233
0.234
0.234
0.234
0.234
0.235
0.235
0.235
0.235
0.235
0.235
0.235
0.235
0.235
0.235
0.235
0.236
0.236
0.236
0.236
0.236
0.237
0.237
0.237
0.237
0.237
0.237
0.237
0.237
0.238
0.238
0.238

0.238
0.238
0.239
0.239
0.239
0.239
0.239
0.240
0.240
0.240
0.240
0.240
0.240
0.240
0.240
0.240
0.241
0.241
0.241
0.241
0.241
0.241
0.241
0.241
0.242
0.242
0.242
0.242
0.242
0.242
0.242
0.243
0.243
0.243
0.243
0.243
0.243
0.243
0.244
0.244
0.244
0.244
0.244
0.244
0.244
0.245
0.245
0.245

0.245
0.245
0.245
0.245
0.245
0.246
0.246
0.246
0.246
0.246
0.246
0.246
0.247
0.247
0.247
0.247
0.247
0.247
0.247
0.248
0.248
0.248
0.248
0.248
0.248
0.248
0.248
0.248
0.249
0.249
0.249
0.249
0.249
0.249
0.250
0.250
0.250
0.251
0.251
0.251
0.251
0.251
0.251
0.251
0.252
0.252
0.252
0.252

0.253
0.253
0.253
0.253
0.254
0.254
0.254
0.254
0.255
0.255
0.255
0.255
0.255
0.255
0.255
0.256
0.256
0.256
0.256
0.256
0.257
0.257
0.257
0.257
0.257
0.257
0.258
0.258
0.258
0.258
0.258
0.259
0.259
0.259
0.259
0.259
0.259
0.259
0.259
0.260
0.260
0.260
0.260
0.260
0.260
0.260

0.261
0.261
0.261
0.262
0.262
0.262
0.262
0.263
0.263
0.263
0.263
0.264
0.264
0.264
0.264
0.264
0.265
0.265
0.265
0.265
0.265
0.265
0.266
0.266
0.266
0.266
0.266
0.266
0.266
0.266
0.266
0.267
0.267
0.267
0.267
0.267
0.267
0.268
0.268
0.268
0.268
0.268
0.269
0.269
0.270

0.270
0.270
0.270
0.271
0.271
0.271
0.271
0.271
0.271
0.271
0.272
0.273
0.274
0.274
0.274
0.274
0.274
0.274
0.274
0.275
0.275
0.275
0.275
0.276
0.276
0.277
0.277
0.277
0.277
0.277
0.277
0.277
0.277
0.277
0.277
0.278
0.278
0.278
0.278
0.279
0.279
0.279
0.279
0.279
0.279
0.280
0.280

0.281
0.281
0.281
0.281
0.281
0.281
0.281
0.281
0.282
0.282
0.282
0.282
0.282
0.283
0.283
0.283
0.283
0.283
0.283
0.284
0.285
0.285
0.285
0.285
0.285
0.286
0.286
0.287
0.287
0.287
0.288
0.288
0.289
0.289
0.289
0.289
0.289
0.289
0.289
0.289
0.290
0.290
0.291
0.291
0.291

0.291
0.292
0.292
0.292
0.292
0.292
0.292
0.293
0.294
0.294
0.295
0.295
0.296
0.296
0.296
0.296
0.296
0.296
0.296
0.297
0.297
0.298
0.298
0.300
0.300
0.301
0.301
0.302
0.302
0.302
0.303
0.303
0.303
0.303
0.303
0.303
0.304
0.304
0.305
0.305
0.305
0.306
0.306
0.307
0.308
0.308
0.309

0.309
0.310
0.313
0.314
0.314
0.316
0.316
0.316
0.317
0.317
0.318
0.319
0.319
0.320
0.320
0.320
0.320
0.321
0.321
0.322
0.322
0.323
0.323
0.324
0.324
0.324
0.325
0.326
0.326
0.327
0.327
0.328
0.328
0.329
0.329
0.329
0.329
0.330
0.331
0.331
0.331
0.333
0.333
0.334
0.334

0.334
0.336
0.337
0.337
0.338
0.338
0.339
0.340
0.340
0.341
0.342
0.342
0.342
0.342
0.342
0.343
0.344
0.344
0.344
0.344
0.345
0.345
0.345
0.345
0.346
0.347
0.347
0.348
0.348
0.349
0.349
0.350
0.350
0.351
0.351
0.352
0.352
0.352
0.354
0.354
0.354
0.356
0.357
0.357
0.358

0.358
0.359
0.359
0.359
0.360
0.360
0.361
0.361
0.364
0.364
0.367
0.367
0.367
0.367
0.368
0.369
0.371
0.371
0.372
0.372
0.373
0.374
0.375
0.375
0.376
0.377
0.377
0.377
0.378
0.379
0.379
0.381
0.381
0.383
0.385
0.386
0.388
0.389
0.389
0.390
0.390
0.391
0.392
0.393
0.393

0.394
0.396
0.396
0.397
0.397
0.398
0.398
0.399
0.401
0.403
0.403
0.408
0.408
0.409
0.410
0.413
0.415
0.420
0.422
0.422
0.422
0.425
0.426
0.426
0.427
0.428
0.430
0.432
0.433
0.433
0.435
0.435
0.435
0.437
0.443
0.443
0.445
0.446
0.447
0.448
0.449
0.450
0.456
0.457
0.457

0.457
0.459
0.459
0.460
0.461
0.462
0.463
0.466
0.466
0.466
0.468
0.468
0.471
0.471
0.471
0.471
0.472
0.474
0.476
0.481
0.483
0.484
0.485
0.485
0.485
0.489
0.492
0.492
0.494
0.496
0.497
0.498
0.499
0.503
0.503
0.504
0.505
0.508
0.512
0.515
0.516
0.521
0.526
0.527
0.529

0.531
0.538
0.538
0.538
0.540
0.543
0.544
0.545
0.550
0.555
0.555
0.555
0.558
0.561
0.561
0.563
0.564
0.566
0.566
0.569
0.569
0.570
0.574
0.576
0.579
0.579
0.583
0.583
0.587
0.587
0.596
0.599
0.604
0.604
0.608
0.611
0.618
0.620
0.622
0.623
0.626
0.627
0.628
0.635
0.638

0.640
0.646
0.646
0.654
0.662
0.665
0.673
0.677
0.680
0.700
0.702
0.708
0.715
0.724
0.725
0.728
0.730
0.733
0.739
0.740
0.740
0.746
0.755
0.772
0.773
0.778
0.785
0.787
0.788
0.798
0.851
0.860
0.867
0.885
0.897
0.904
0.905
0.916
0.936
0.937
0.962
0.976
0.977
0.996
0.997

0.999
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001

<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001

<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001

<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001

<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001
<0.001

Table S5: Summary of therapeutic target identification: Mendelian l

Disease	Protein	Mendelian randomization	Colocalization
AN	IL10RB	✓	
AN	POR	✓	
AN	C5	✓	
AN	CCL14	✓	
AN	CCL23	✓	
AN	GHR	✓	
AN	NID1	✓	
AN	FCGR1A	✓	
AN	LRIG3	✓	
AN	POSTN	✓	
AN	CCL15	✓	
AN	NAGK	✓	
AN	PCSK7	✓	
AN	SERPING1	✓	
AN	RPSA	✓	
AN	SCGB2A1	✓	
AN	LTBP4		✓
AN	CX3CL1		✓
AN	IGFBP7		✓
AN	ADGRG5		✓
AN	PGD	✓	✓
PTSD	MAPK3	✓	
PTSD	ENTPD1	✓	
PTSD	CST6	✓	
PTSD	FCGR3B	✓	
PTSD	LY86	✓	
PTSD	ESM1	✓	
PTSD	AKR1A1	✓	
PTSD	FUT5	✓	
PTSD	TFF3	✓	
PTSD	GRN	✓	
PTSD	SCARF1	✓	
PTSD	NRP1	✓	
PTSD	FGFR1		✓
PTSD	LGALS9	✓	✓
ADHD	NRG4	✓	
ADHD	FGF19	✓	
ADHD	GHR	✓	
ADHD	CGA	✓	
ADHD	FSHB	✓	
ADHD	CA4	✓	
ADHD	ECM1	✓	

ADHD	CCL22	✓	
ADHD	ECE1	✓	
ADHD	NID2	✓	
ADHD	TEC	✓	
ADHD	MST1	✓	
ADHD	SERPING1	✓	
ADHD	TXNDC12	✓	
ADHD	EPHA2	✓	
ADHD	KRT18	✓	
ADHD	CCL2		✓
ADHD	OCIAD1		✓
MDD	SERPINA10	✓	
MDD	IL1R2	✓	
MDD	ISG15	✓	
MDD	KIT	✓	
MDD	IL1RAP	✓	
MDD	EGFR	✓	
MDD	POR	✓	
MDD	C5	✓	
MDD	CD209	✓	
MDD	CGA	✓	
MDD	FSHB	✓	
MDD	LGALS3	✓	
MDD	ARSB	✓	
MDD	PIGR	✓	
MDD	GFRA1	✓	
MDD	FSTL3	✓	
MDD	OLR1	✓	
MDD	ICAM1	✓	
MDD	MST1	✓	
MDD	ADAM12	✓	
MDD	EPHA2	✓	
MDD	GPC6	✓	
MDD	MMP8	✓	
MDD	NEGR1		✓
MDD	PRKACA		✓
MDD	CNDP1		✓
MDD	PSME1		✓
MDD	SERPING1	✓	✓
SCZ	IL10RA	✓	
SCZ	IL1R2	✓	
SCZ	AMIGO2	✓	
SCZ	IL10RB	✓	
SCZ	PF4	✓	
SCZ	SIGLEC7	✓	

SCZ	HPX	✓	
SCZ	MET	✓	
SCZ	FRZB	✓	
SCZ	CA4	✓	
SCZ	F7	✓	
SCZ	PIGR	✓	
SCZ	ACP5	✓	
SCZ	CNTN2	✓	
SCZ	CST6	✓	
SCZ	GFRA1	✓	
SCZ	THBS2	✓	
SCZ	THBS4	✓	
SCZ	CCL15	✓	
SCZ	CA3	✓	
SCZ	ESM1	✓	
SCZ	SKP1	✓	
SCZ	IL6R	✓	
SCZ	MST1	✓	
SCZ	PCSK7	✓	
SCZ	SPARCL1	✓	
SCZ	TFF3	✓	
SCZ	F5	✓	
SCZ	C1QBP	✓	
SCZ	CAPG	✓	
SCZ	PLA2G7	✓	
SCZ	JAG1	✓	
SCZ	CASP10	✓	
SCZ	NRP1	✓	
SCZ	TPM4	✓	
SCZ	CCL2		✓
SCZ	CHEK1		✓
SCZ	PLG		✓
SCZ	PSMA1		✓
SCZ	SNX4		✓
SCZ	ITIH4		✓
SCZ	IL17RB		✓
SCZ	KLK3		✓
SCZ	AGRP	✓	✓
BIP	IL10RB	✓	
BIP	LAYN	✓	
BIP	POR	✓	
BIP	HPX	✓	
BIP	FRZB	✓	
BIP	BMP7	✓	
BIP	CGA	✓	

BIP	FSHB	✓	
BIP	HP	✓	
BIP	WFIKKN2	✓	
BIP	CST6	✓	
BIP	GFRA1	✓	
BIP	ECM1	✓	
BIP	HGFAC	✓	
BIP	CA3	✓	
BIP	KPNB1	✓	
BIP	PGD	✓	
BIP	IGF1R	✓	
BIP	TFF3	✓	
BIP	CSF3	✓	
BIP	NTRK2	✓	
BIP	LYZ	✓	
BIP	C1QBP	✓	
BIP	PLA2G7	✓	
BIP	CPE	✓	
BIP	SLAMF7	✓	
BIP	VEGFA	✓	
BIP	AGRP	✓	
BIP	ITIH4		✓
BIP	PI3		✓
BIP	LGALS3BP		✓
BIP	IL17RB		✓
BIP	LILRB1		✓
BIP	YWHAQ		✓
BIP	KLK3		✓
BIP	CTSF		✓
BIP	HGFAC	✓	✓
BIP	FOLH1	✓	✓

Note: ✓ indicate positive results (MR P < 0.05, colocalization PP.H4> 0.

Randomization significance, colocalization evidence, and drug availability across mental disorders

Drug target
6-phospho-D-gluconic acid; Nicotinamide 8-bromo-adenine dinucleotide phosphate; Dacarbazine; Gadoper
(R)-1-Para-Nitro-Phenyl-2-Azido-Ethanol

Copper; PPL-100

/

NA

Capromab pendetide; Glutamic acid; DCFBC; Spaglumic acid; Piflufolastat F 18; Flotufolastat F-18

70）

ıtetic acid; Ketotifen; Ritodrine; Meloxicam; Furosemide; Methotrexate

Table S6: Significant protein-trait colocalization hits across different prior settings

Trait	Protein	Coloc setting				
		P1=P2=1E-04 P12=1E-05 (default)	P1=P2=1E-03 P12=1E-04	P1=P2=5E-03 P12=5E-04	P1=P2=5E-04 P12=5E-05	P1=P2=1E-05 P12=1E-06
AN	LTBP4	✓	✓	✓	✓	
	CX3CL1	✓	✓	✓	✓	✓
	IGFBP7	✓	✓	✓	✓	
	PGD	✓	✓	✓	✓	
PTSD	ADGRG5	✓	✓	✓	✓	
	FGFR1	✓	✓	✓	✓	
	LGALS9	✓	✓	✓	✓	
ADHD	CCL2	✓	✓	✓	✓	
	OCIAD1	✓	✓	✓	✓	
MDD	NEGR1	✓	✓	✓	✓	
	PRKACA	✓	✓	✓	✓	
	SERPING1	✓	✓	✓	✓	
	CNDP1	✓	✓	✓	✓	
	PSME1	✓	✓	✓	✓	
SCZ	CCL2	✓	✓	✓	✓	
	AGRP	✓	✓	✓	✓	
	CHEK1	✓	✓	✓	✓	
	PLG	✓	✓	✓	✓	✓
	PSMA1	✓	✓	✓	✓	
	SNX4	✓	✓	✓	✓	
BIP	PLG	✓	✓	✓	✓	✓
	ITIH4	✓	✓	✓	✓	✓
	IL17RB	✓	✓	✓	✓	
	KLK3	✓	✓	✓	✓	
	VEGFA	✓	✓	✓	✓	
	AGRP	✓	✓	✓	✓	✓
	HGFAC	✓	✓	✓	✓	
	ITIH4	✓	✓	✓	✓	✓
	PI3	✓	✓	✓	✓	
	LGALS3BP	✓	✓	✓	✓	
	IL17RB	✓	✓	✓	✓	
	LILRB1	✓	✓	✓	✓	
	FOLH1	✓	✓	✓	✓	✓
	YWHAQ	✓	✓	✓	✓	
	KLK3	✓	✓	✓	✓	
	CTSF	✓	✓	✓	✓	✓

Note: ✓ indicate positive results (colocalization PP.H4 > 0.70)

P1=P2=5E-05 P12=1E-06
✓
✓
✓
✓
✓
✓
✓
✓
✓
✓
✓
✓
✓
✓
✓
✓