

Table 3. Detailed information of instrumental variables used in MR analyses

Exposure	Outcome	SNP	Effect allele	Other allele	Exposure			Outcome			mr_keep
					Beta	SE	P-value	Beta	SE	P-value	
Asthma	COPD	rs10075764	G	A	-0.0381	0.0049	1.35E-14	-0.0273	0.0070	1.03E-04	TRUE
Asthma	COPD	rs10131571	T	C	0.0319	0.0050	1.50E-10	0.0169	0.0070	1.60E-02	TRUE
Asthma	COPD	rs10416530	C	T	0.0378	0.0053	8.67E-13	0.0129	0.0077	9.62E-02	TRUE
Asthma	COPD	rs1048665	G	T	-0.0373	0.0056	2.18E-11	-0.0314	0.0080	7.97E-05	TRUE
Asthma	COPD	rs10519067	A	G	-0.0670	0.0068	9.30E-23	-0.0018	0.0096	8.53E-01	TRUE
Asthma	COPD	rs1059513	C	T	-0.0914	0.0083	2.80E-28	-0.0256	0.0116	2.80E-02	TRUE
Asthma	COPD	rs10803511	T	C	-0.0309	0.0052	2.56E-09	0.0206	0.0072	4.06E-03	TRUE
Asthma	COPD	rs10828248	G	A	0.0304	0.0053	1.05E-08	0.0252	0.0077	1.09E-03	TRUE
Asthma	COPD	rs10835369	A	T	-0.0311	0.0057	3.70E-08	-0.0222	0.0078	4.33E-03	TRUE
Asthma	COPD	rs10912564	T	C	0.0293	0.0052	1.76E-08	0.0170	0.0076	2.50E-02	TRUE
Asthma	COPD	rs10920569	C	T	-0.0385	0.0050	1.90E-14	-0.0108	0.0071	1.27E-01	TRUE
Asthma	COPD	rs10976923	A	T	0.0324	0.0056	8.05E-09	0.0231	0.0080	3.73E-03	TRUE
Asthma	COPD	rs11057204	T	C	-0.0390	0.0059	3.62E-11	-0.0001	0.0086	9.91E-01	TRUE
Asthma	COPD	rs11081564	G	A	0.0328	0.0056	3.58E-09	0.0191	0.0081	1.86E-02	TRUE
Asthma	COPD	rs11154803	T	C	0.0331	0.0049	1.96E-11	0.0138	0.0070	4.85E-02	TRUE
Asthma	COPD	rs11236791	A	G	0.0657	0.0047	1.57E-43	0.0305	0.0067	5.23E-06	TRUE
Asthma	COPD	rs11236813	C	G	-0.0457	0.0078	5.43E-09	-0.0163	0.0110	1.40E-01	TRUE
Asthma	COPD	rs1132645	C	G	-0.0341	0.0055	5.09E-10	-0.0257	0.0081	1.42E-03	TRUE
Asthma	COPD	rs114947103	C	T	0.0407	0.0061	2.33E-11	0.0157	0.0086	6.81E-02	TRUE
Asthma	COPD	rs11602802	C	A	-0.0378	0.0052	2.14E-13	-0.0140	0.0073	5.51E-02	TRUE
Asthma	COPD	rs117121	A	C	0.0480	0.0080	1.95E-09	0.0133	0.0117	2.57E-01	TRUE
Asthma	COPD	rs117710327	A	C	-0.1117	0.0097	6.56E-31	-0.0562	0.0143	9.09E-05	TRUE
Asthma	COPD	rs11942410	T	C	-0.0343	0.0058	2.83E-09	-0.0147	0.0084	8.04E-02	TRUE
Asthma	COPD	rs12123821	T	C	0.0970	0.0121	8.94E-16	0.0285	0.0174	1.01E-01	TRUE
Asthma	COPD	rs12379417	A	G	0.0318	0.0049	9.02E-11	0.0183	0.0069	8.41E-03	TRUE
Asthma	COPD	rs1293202	A	G	-0.0460	0.0070	6.49E-11	-0.0393	0.0099	7.25E-05	TRUE
Asthma	COPD	rs112631341	A	G	-0.0311	0.0053	3.29E-09	-0.0224	0.0076	3.46E-03	TRUE
Asthma	COPD	rs13232403	A	G	-0.0372	0.0053	1.86E-12	-0.0162	0.0076	3.36E-02	TRUE
Asthma	COPD	rs13263709	T	C	0.0498	0.0050	1.26E-23	0.0287	0.0070	4.43E-05	TRUE
Asthma	COPD	rs13277355	A	G	0.0334	0.0054	4.94E-10	0.0198	0.0079	1.18E-02	TRUE
Asthma	COPD	rs13296447	G	C	0.0326	0.0058	2.01E-08	0.0081	0.0082	3.24E-01	TRUE
Asthma	COPD	rs138316828	T	C	0.0431	0.0078	2.79E-08	0.0250	0.0109	2.25E-02	TRUE
Asthma	COPD	rs144569746	T	C	0.0720	0.0074	3.78E-22	0.0334	0.0104	1.35E-03	TRUE
Asthma	COPD	rs16853094	A	G	0.0300	0.0054	3.15E-08	0.0374	0.0077	1.31E-06	TRUE
Asthma	COPD	rs16903574	G	C	0.0682	0.0087	5.00E-15	0.0300	0.0128	1.90E-02	TRUE
Asthma	COPD	rs17227210	T	C	0.0493	0.0071	3.39E-12	0.0036	0.0105	7.31E-01	TRUE
Asthma	COPD	rs1723016	C	T	-0.0391	0.0049	1.66E-15	-0.0078	0.0069	2.59E-01	TRUE
Asthma	COPD	rs17293632	T	C	0.0829	0.0055	1.21E-51	0.0310	0.0078	6.79E-05	TRUE
Asthma	COPD	rs174568	T	C	-0.0379	0.0049	1.52E-14	-0.0185	0.0070	7.88E-03	TRUE
Asthma	COPD	rs178830	C	T	-0.0298	0.0047	2.85E-10	-0.0132	0.0067	4.78E-02	TRUE
Asthma	COPD	rs1837253	T	C	-0.0997	0.0054	2.45E-76	-0.0319	0.0076	2.63E-05	TRUE
Asthma	COPD	rs1991401	G	A	-0.0295	0.0052	1.37E-08	-0.0205	0.0076	7.28E-03	TRUE
Asthma	COPD	rs2025758	C	T	-0.0428	0.0048	2.00E-19	-0.0298	0.0067	9.03E-06	TRUE
Asthma	COPD	rs2052692	A	G	0.0280	0.0050	2.33E-08	0.0119	0.0071	9.28E-02	TRUE
Asthma	COPD	rs2070901	T	G	0.0407	0.0055	1.38E-13	0.0069	0.0080	3.93E-01	TRUE
Asthma	COPD	rs2126202	C	A	0.0266	0.0049	4.32E-08	0.0060	0.0071	4.01E-01	TRUE
Asthma	COPD	rs2135481	A	G	-0.0332	0.0057	5.57E-09	-0.0017	0.0083	8.41E-01	TRUE
Asthma	COPD	rs2188962	T	C	-0.0661	0.0049	2.40E-41	-0.0373	0.0069	7.72E-08	TRUE
Asthma	COPD	rs2199036	T	C	0.0372	0.0051	1.92E-13	0.0310	0.0073	2.42E-05	TRUE
Asthma	COPD	rs2205049	T	C	-0.0387	0.0049	3.26E-15	-0.0207	0.0071	3.80E-03	TRUE
Asthma	COPD	rs2240157	T	C	0.0299	0.0054	2.93E-08	0.0283	0.0079	3.40E-04	TRUE
Asthma	COPD	rs2276133	A	G	-0.0370	0.0055	1.39E-11	-0.0177	0.0077	2.22E-02	TRUE
Asthma	COPD	rs2294878	T	G	0.0427	0.0049	2.29E-18	0.0148	0.0070	3.32E-02	TRUE
Asthma	COPD	rs249681	G	C	-0.0450	0.0051	1.85E-18	-0.0281	0.0075	1.78E-04	TRUE
Asthma	COPD	rs2524084	G	A	0.0289	0.0050	9.39E-09	0.0167	0.0072	2.02E-02	TRUE
Asthma	COPD	rs2671654	G	A	-0.0479	0.0049	1.15E-22	-0.0138	0.0071	5.31E-02	TRUE
Asthma	COPD	rs274949	G	A	0.0294	0.0049	1.49E-09	0.0227	0.0071	1.35E-03	TRUE
Asthma	COPD	rs2756184	T	G	0.0288	0.0047	1.30E-09	0.0171	0.0067	1.08E-02	TRUE
Asthma	COPD	rs2811381	A	G	-0.0415	0.0075	2.92E-08	-0.0247	0.0105	1.81E-02	TRUE
Asthma	COPD	rs290897	C	T	-0.1127	0.0147	1.70E-14	-0.0743	0.0204	2.82E-04	TRUE
Asthma	COPD	rs2921096	T	C	-0.0292	0.0050	6.19E-09	-0.0267	0.0070	1.34E-04	TRUE
Asthma	COPD	rs2951185	T	C	0.0293	0.0053	2.48E-08	-0.0103	0.0075	1.68E-01	TRUE
Asthma	COPD	rs34290285	A	G	-0.0828	0.0056	3.60E-50	-0.0338	0.0080	2.68E-05	TRUE
Asthma	COPD	rs34381727	G	C	0.0300	0.0052	6.97E-09	0.0170	0.0075	2.36E-02	TRUE
Asthma	COPD	rs35441874	A	T	-0.0663	0.0055	5.44E-33	-0.0236	0.0078	2.40E-03	TRUE
Asthma	COPD	rs35668054	T	C	-0.0610	0.0090	1.15E-11	-0.0202	0.0128	1.13E-01	TRUE
Asthma	COPD	rs36068512	C	T	0.0488	0.0085	9.06E-09	0.0412	0.0122	7.26E-04	TRUE
Asthma	COPD	rs3784099	A	G	0.0473	0.0052	1.11E-19	0.0205	0.0074	5.63E-03	TRUE
Asthma	COPD	rs3824074	C	G	0.0330	0.0051	7.54E-11	0.0187	0.0074	1.16E-02	TRUE
Asthma	COPD	rs3843642	C	T	-0.0460	0.0071	8.69E-11	-0.0160	0.0103	1.20E-01	TRUE
Asthma	COPD	rs3856439	T	C	-0.0419	0.0052	8.45E-16	-0.0064	0.0070	3.62E-01	TRUE

Asthma	COPD	rs4099209	G	T	0.0565	0.0071	1.52E-15	0.0108	0.0100	2.79E-01	TRUE
Asthma	COPD	rs4308313	G	A	0.0435	0.0075	7.71E-09	0.0130	0.0107	2.23E-01	TRUE
Asthma	COPD	rs4389093	G	A	0.0297	0.0049	1.15E-09	0.0172	0.0069	1.26E-02	TRUE
Asthma	COPD	rs4664443	G	A	0.0271	0.0049	4.58E-08	0.0216	0.0072	2.66E-03	TRUE
Asthma	COPD	rs4787951	C	T	0.0480	0.0052	3.15E-20	0.0063	0.0074	3.98E-01	TRUE
Asthma	COPD	rs4895369	A	G	-0.0335	0.0052	1.09E-10	-0.0260	0.0074	4.34E-04	TRUE
Asthma	COPD	rs491087	A	G	0.0311	0.0050	4.09E-10	0.0142	0.0071	4.49E-02	TRUE
Asthma	COPD	rs55730955	A	T	-0.0580	0.0104	2.58E-08	-0.0122	0.0146	4.03E-01	TRUE
Asthma	COPD	rs55743914	T	C	0.0340	0.0055	7.51E-10	0.0136	0.0078	8.26E-02	TRUE
Asthma	COPD	rs55755011	G	A	0.0335	0.0059	1.42E-08	0.0243	0.0087	4.98E-03	TRUE
Asthma	COPD	rs56035021	A	G	0.0454	0.0051	3.38E-19	0.0030	0.0074	6.81E-01	TRUE
Asthma	COPD	rs5743618	A	C	-0.0562	0.0059	1.43E-21	-0.0114	0.0087	1.88E-01	TRUE
Asthma	COPD	rs57594613	A	G	0.0686	0.0123	2.35E-08	-0.0107	0.0178	5.47E-01	TRUE
Asthma	COPD	rs60119330	C	T	0.0359	0.0057	2.34E-10	-0.0152	0.0080	5.89E-02	TRUE
Asthma	COPD	rs6087868	A	G	0.0457	0.0077	3.33E-09	0.0211	0.0121	8.18E-02	TRUE
Asthma	COPD	rs616488	G	A	-0.0314	0.0050	3.41E-10	-0.0154	0.0071	2.92E-02	TRUE
Asthma	COPD	rs61907683	C	T	-0.0423	0.0056	5.40E-14	-0.0179	0.0080	2.45E-02	TRUE
Asthma	COPD	rs61938963	T	C	0.0391	0.0050	5.88E-15	0.0128	0.0071	7.10E-02	TRUE
Asthma	COPD	rs62242108	A	G	-0.0328	0.0054	1.13E-09	-0.0304	0.0078	1.03E-04	TRUE
Asthma	COPD	rs62294337	T	A	-0.0342	0.0056	8.73E-10	-0.0011	0.0078	8.86E-01	TRUE
Asthma	COPD	rs62408222	G	A	-0.0637	0.0051	4.93E-36	-0.0333	0.0072	3.53E-06	TRUE
Asthma	COPD	rs62449498	C	A	0.0331	0.0049	8.95E-12	-0.0044	0.0071	5.31E-01	TRUE
Asthma	COPD	rs6461503	C	T	-0.0396	0.0048	2.24E-16	-0.0228	0.0070	1.20E-03	TRUE
Asthma	COPD	rs6505274	T	G	-0.0368	0.0066	2.00E-08	-0.0250	0.0096	9.11E-03	TRUE
Asthma	COPD	rs66632892	A	G	0.0350	0.0052	2.35E-11	0.0144	0.0074	5.27E-02	TRUE
Asthma	COPD	rs6782834	G	A	0.0296	0.0053	1.92E-08	-0.0007	0.0076	9.30E-01	TRUE
Asthma	COPD	rs6905736	C	A	-0.0413	0.0071	6.82E-09	-0.0425	0.0105	5.11E-05	TRUE
Asthma	COPD	rs708563	G	A	0.0301	0.0050	1.70E-09	0.0154	0.0067	2.20E-02	TRUE
Asthma	COPD	rs71368508	A	C	-0.0999	0.0180	2.93E-08	-0.0407	0.0259	1.16E-01	TRUE
Asthma	COPD	rs72668903	A	G	-0.0417	0.0071	5.64E-09	-0.0396	0.0100	7.35E-05	TRUE
Asthma	COPD	rs72699870	C	T	-0.0360	0.0063	1.11E-08	-0.0332	0.0091	2.65E-04	TRUE
Asthma	COPD	rs72823641	A	T	-0.1268	0.0068	2.91E-78	-0.0386	0.0094	3.73E-05	TRUE
Asthma	COPD	rs7555082	A	G	-0.0627	0.0079	1.34E-15	-0.0389	0.0114	6.38E-04	TRUE
Asthma	COPD	rs7562979	G	C	0.0449	0.0073	7.15E-10	0.0265	0.0104	1.12E-02	TRUE
Asthma	COPD	rs77791277	A	G	0.0428	0.0067	1.28E-10	0.0217	0.0092	1.81E-02	TRUE
Asthma	COPD	rs7918084	C	T	-0.0298	0.0047	3.00E-10	0.0002	0.0067	9.71E-01	TRUE
Asthma	COPD	rs8002731	C	A	-0.0338	0.0049	7.24E-12	-0.0086	0.0069	2.13E-01	TRUE
Asthma	COPD	rs8100197	A	G	0.0376	0.0066	1.04E-08	0.0199	0.0099	4.46E-02	TRUE
Asthma	COPD	rs826844	T	C	0.0550	0.0095	7.00E-09	0.0296	0.0138	3.20E-02	TRUE
Asthma	COPD	rs875023	T	C	-0.0372	0.0056	3.12E-11	-0.0183	0.0080	2.21E-02	TRUE
Asthma	COPD	rs912131	A	G	-0.0549	0.0051	6.02E-27	-0.0298	0.0072	3.70E-05	TRUE
Asthma	COPD	rs9270911	C	T	-0.1281	0.0053	6.15E-128	-0.0427	0.0079	5.80E-08	TRUE
Asthma	COPD	rs9272245	C	G	0.0726	0.0059	1.17E-34	0.0102	0.0093	2.72E-01	TRUE
Asthma	COPD	rs9290877	C	T	0.0426	0.0053	5.88E-16	0.0024	0.0074	7.49E-01	TRUE
Asthma	COPD	rs962992	C	G	-0.0834	0.0049	3.26E-65	-0.0304	0.0069	1.05E-05	TRUE
Asthma	COPD	rs981625	G	C	0.0634	0.0101	4.04E-10	0.0047	0.0148	7.52E-01	TRUE
Asthma	COPD	rs9828592	C	T	0.0446	0.0049	4.53E-20	0.0178	0.0071	1.21E-02	TRUE
Asthma	COPD	rs992969	A	G	0.1052	0.0055	4.40E-81	0.0289	0.0079	2.35E-04	TRUE
Asthma	COPD	rs9930506	G	A	0.0297	0.0047	3.33E-10	0.0098	0.0067	1.43E-01	TRUE
Asthma	IPF	rs10075764	G	A	-0.0381	0.0049	1.35E-14	0.0142	0.0197	4.71E-01	TRUE
Asthma	IPF	rs10131571	T	C	0.0319	0.0050	1.50E-10	0.0160	0.0196	4.13E-01	TRUE
Asthma	IPF	rs10416530	C	T	0.0378	0.0053	8.67E-13	0.0023	0.0222	9.19E-01	TRUE
Asthma	IPF	rs1048665	G	T	-0.0373	0.0056	2.18E-11	-0.0243	0.0222	2.74E-01	TRUE
Asthma	IPF	rs10519067	A	G	-0.0670	0.0068	9.30E-23	0.0341	0.0270	2.07E-01	TRUE
Asthma	IPF	rs1059513	C	T	-0.0914	0.0083	2.80E-28	-0.0023	0.0319	9.43E-01	TRUE
Asthma	IPF	rs10803511	T	C	-0.0309	0.0052	2.56E-09	0.0116	0.0205	5.72E-01	TRUE
Asthma	IPF	rs10828248	G	A	0.0304	0.0053	1.05E-08	0.0221	0.0199	2.67E-01	TRUE
Asthma	IPF	rs10835369	A	T	-0.0311	0.0057	3.70E-08	0.0224	0.0234	3.40E-01	TRUE
Asthma	IPF	rs10912564	T	C	0.0293	0.0052	1.76E-08	-0.0025	0.0214	9.07E-01	TRUE
Asthma	IPF	rs10920569	C	T	-0.0385	0.0050	1.90E-14	-0.0293	0.0199	1.41E-01	TRUE
Asthma	IPF	rs10976923	A	T	0.0324	0.0056	8.05E-09	-0.0188	0.0222	3.98E-01	TRUE
Asthma	IPF	rs11057204	T	C	-0.0390	0.0059	3.62E-11	-0.0079	0.0243	7.46E-01	TRUE
Asthma	IPF	rs11081564	G	A	0.0328	0.0056	3.58E-09	0.0193	0.0231	4.02E-01	TRUE
Asthma	IPF	rs11154803	T	C	0.0331	0.0049	1.96E-11	0.0479	0.0195	1.43E-02	TRUE
Asthma	IPF	rs11236791	A	G	0.0657	0.0047	1.57E-43	0.0335	0.0188	7.47E-02	TRUE
Asthma	IPF	rs11236813	C	G	-0.0457	0.0078	5.43E-09	0.0259	0.0321	4.21E-01	TRUE
Asthma	IPF	rs1132645	C	G	-0.0341	0.0055	5.09E-10	-0.0086	0.0239	7.19E-01	TRUE
Asthma	IPF	rs114947103	C	T	0.0407	0.0061	2.33E-11	0.0155	0.0239	5.16E-01	TRUE
Asthma	IPF	rs11602802	C	A	-0.0378	0.0052	2.14E-13	0.0692	0.0201	5.83E-04	TRUE
Asthma	IPF	rs11721	A	C	0.0480	0.0080	1.95E-09	0.0385	0.0341	2.59E-01	TRUE
Asthma	IPF	rs117710327	A	C	-0.1117	0.0097	6.56E-31	-0.1011	0.0425	1.73E-02	TRUE
Asthma	IPF	rs11942410	T	C	-0.0343	0.0058	2.83E-09	0.0138	0.0235	5.56E-01	TRUE
Asthma	IPF	rs12123821	T	C	0.0970	0.0121	8.94E-16	-0.0312	0.0505	5.36E-01	TRUE
Asthma	IPF	rs12379417	A	G	0.0318	0.0049	9.02E-11	0.0222	0.0194	2.53E-01	TRUE

Asthma	IPF	rs1293202	A	G	-0.0460	0.0070	6.49E-11	0.0241	0.0283	3.94E-01	TRUE
Asthma	IPF	rs13213141	A	G	-0.0311	0.0053	3.29E-09	0.0021	0.0217	9.24E-01	TRUE
Asthma	IPF	rs13232403	A	G	-0.0372	0.0053	1.86E-12	0.0115	0.0219	6.00E-01	TRUE
Asthma	IPF	rs13263709	T	C	-0.0498	0.0050	1.26E-23	0.0226	0.0196	2.49E-01	TRUE
Asthma	IPF	rs13277355	A	G	0.0334	0.0054	4.94E-10	-0.0128	0.0222	5.64E-01	TRUE
Asthma	IPF	rs13296447	G	C	0.0326	0.0058	2.01E-08	-0.0073	0.0226	7.45E-01	TRUE
Asthma	IPF	rs138316828	T	C	0.0431	0.0078	2.79E-08	0.0065	0.0309	8.34E-01	TRUE
Asthma	IPF	rs144569746	T	C	0.0720	0.0074	3.78E-22	-0.0217	0.0299	4.69E-01	TRUE
Asthma	IPF	rs1489762	C	T	-0.0395	0.0048	1.39E-16	0.0144	0.0189	4.48E-01	TRUE
Asthma	IPF	rs16853094	A	G	0.0300	0.0054	3.15E-08	-0.0031	0.0218	8.86E-01	TRUE
Asthma	IPF	rs16903574	G	C	0.0682	0.0087	5.00E-15	0.0206	0.0388	5.96E-01	TRUE
Asthma	IPF	rs17227210	T	C	0.0493	0.0071	3.39E-12	0.0035	0.0293	9.05E-01	TRUE
Asthma	IPF	rs1723016	C	T	-0.0391	0.0049	1.66E-15	-0.0206	0.0195	2.90E-01	TRUE
Asthma	IPF	rs17293632	T	C	0.0829	0.0055	1.21E-51	-0.0160	0.0218	4.62E-01	TRUE
Asthma	IPF	rs174568	T	C	-0.0379	0.0049	1.52E-14	-0.0243	0.0196	2.15E-01	TRUE
Asthma	IPF	rs178830	C	T	-0.0298	0.0047	2.85E-10	-0.0605	0.0186	1.17E-03	TRUE
Asthma	IPF	rs1837253	T	C	-0.0997	0.0054	2.45E-76	-0.0031	0.0214	8.84E-01	TRUE
Asthma	IPF	rs1991401	G	A	-0.0295	0.0052	1.37E-08	0.0007	0.0224	9.77E-01	TRUE
Asthma	IPF	rs2025758	C	T	-0.0428	0.0048	2.00E-19	-0.0109	0.0188	5.63E-01	TRUE
Asthma	IPF	rs2052692	A	G	0.0280	0.0050	2.33E-08	-0.0049	0.0200	8.07E-01	TRUE
Asthma	IPF	rs2070901	T	G	0.0407	0.0055	1.38E-13	-0.0011	0.0226	9.60E-01	TRUE
Asthma	IPF	rs2111363	A	G	-0.0291	0.0053	3.42E-08	-0.0177	0.0206	3.91E-01	TRUE
Asthma	IPF	rs2126202	C	A	0.0266	0.0049	4.32E-08	-0.0142	0.0201	4.80E-01	TRUE
Asthma	IPF	rs2135481	A	G	-0.0332	0.0057	5.57E-09	-0.0076	0.0234	7.44E-01	TRUE
Asthma	IPF	rs2188962	T	C	-0.0661	0.0049	2.40E-41	-0.0219	0.0193	2.56E-01	TRUE
Asthma	IPF	rs2199036	T	C	0.0372	0.0051	1.92E-13	0.0319	0.0210	1.28E-01	TRUE
Asthma	IPF	rs2205049	T	C	-0.0387	0.0049	3.26E-15	-0.0125	0.0204	5.41E-01	TRUE
Asthma	IPF	rs2240157	T	C	0.0299	0.0054	2.93E-08	-0.0103	0.0238	6.64E-01	TRUE
Asthma	IPF	rs2276133	A	G	-0.0370	0.0055	1.39E-11	0.0150	0.0216	4.89E-01	TRUE
Asthma	IPF	rs2294878	T	G	0.0427	0.0049	2.29E-18	-0.0304	0.0192	1.13E-01	TRUE
Asthma	IPF	rs249681	G	C	-0.0450	0.0051	1.85E-18	0.0011	0.0207	9.59E-01	TRUE
Asthma	IPF	rs2524084	G	A	0.0289	0.0050	9.39E-09	0.0193	0.0199	3.31E-01	TRUE
Asthma	IPF	rs2671654	G	A	-0.0479	0.0049	1.15E-22	0.0322	0.0203	1.12E-01	TRUE
Asthma	IPF	rs274949	G	A	0.0294	0.0049	1.49E-09	0.0008	0.0201	9.70E-01	TRUE
Asthma	IPF	rs2756184	T	G	0.0288	0.0047	1.30E-09	-0.0093	0.0188	6.20E-01	TRUE
Asthma	IPF	rs2811381	A	G	-0.0415	0.0075	2.92E-08	-0.0308	0.0308	3.18E-01	TRUE
Asthma	IPF	rs290897	C	T	-0.1127	0.0147	1.70E-14	-0.0459	0.0580	4.28E-01	TRUE
Asthma	IPF	rs2921096	T	C	-0.0292	0.0050	6.19E-09	-0.0362	0.0197	6.69E-02	TRUE
Asthma	IPF	rs2951185	T	C	0.0293	0.0053	2.48E-08	0.0062	0.0209	7.67E-01	TRUE
Asthma	IPF	rs34290285	A	G	-0.0828	0.0056	3.60E-50	0.0246	0.0231	2.88E-01	TRUE
Asthma	IPF	rs34381727	G	C	0.0300	0.0052	6.97E-09	-0.0009	0.0213	9.68E-01	TRUE
Asthma	IPF	rs34712979	A	G	0.0471	0.0055	1.32E-17	-0.0128	0.0221	5.62E-01	TRUE
Asthma	IPF	rs35441874	A	T	-0.0663	0.0055	5.44E-33	0.0317	0.0217	1.45E-01	TRUE
Asthma	IPF	rs35668054	T	C	-0.0610	0.0090	1.15E-11	-0.0405	0.0366	2.69E-01	TRUE
Asthma	IPF	rs36068512	C	T	0.0488	0.0085	9.06E-09	-0.0239	0.0343	4.86E-01	TRUE
Asthma	IPF	rs3784099	A	G	0.0473	0.0052	1.11E-19	-0.0162	0.0205	4.30E-01	TRUE
Asthma	IPF	rs3824074	C	G	0.0330	0.0051	7.54E-11	0.0041	0.0211	8.45E-01	TRUE
Asthma	IPF	rs3843642	C	T	-0.0460	0.0071	8.69E-11	0.0089	0.0291	7.59E-01	TRUE
Asthma	IPF	rs3856439	T	C	-0.0419	0.0052	8.45E-16	-0.0515	0.0197	8.89E-03	TRUE
Asthma	IPF	rs4099209	G	T	0.0565	0.0071	1.52E-15	0.0611	0.0295	3.80E-02	TRUE
Asthma	IPF	rs4308313	G	A	0.0435	0.0075	7.71E-09	-0.0508	0.0314	1.07E-01	TRUE
Asthma	IPF	rs4389093	G	A	0.0297	0.0049	1.15E-09	0.0227	0.0193	2.38E-01	TRUE
Asthma	IPF	rs4664443	G	A	0.0271	0.0049	4.58E-08	0.0192	0.0205	3.48E-01	TRUE
Asthma	IPF	rs4787951	C	T	0.0480	0.0052	3.15E-20	0.0119	0.0206	5.63E-01	TRUE
Asthma	IPF	rs4895369	A	G	-0.0335	0.0052	1.09E-10	0.0201	0.0215	3.51E-01	TRUE
Asthma	IPF	rs491087	A	G	0.0311	0.0050	4.09E-10	0.0129	0.0197	5.12E-01	TRUE
Asthma	IPF	rs55730955	A	T	-0.0580	0.0104	2.58E-08	0.0730	0.0411	7.57E-02	TRUE
Asthma	IPF	rs55743914	T	C	0.0340	0.0055	7.51E-10	0.0193	0.0220	3.80E-01	TRUE
Asthma	IPF	rs55755011	G	A	0.0335	0.0059	1.42E-08	0.0330	0.0245	1.78E-01	TRUE
Asthma	IPF	rs56035021	A	G	0.0454	0.0051	3.38E-19	0.0023	0.0211	9.13E-01	TRUE
Asthma	IPF	rs5743618	A	C	-0.0562	0.0059	1.43E-21	0.0362	0.0261	1.65E-01	TRUE
Asthma	IPF	rs57594613	A	G	0.0686	0.0123	2.35E-08	-0.0343	0.0491	4.85E-01	TRUE
Asthma	IPF	rs60119330	C	T	0.0359	0.0057	2.34E-10	0.0355	0.0220	1.07E-01	TRUE
Asthma	IPF	rs6087868	A	G	0.0457	0.0077	3.33E-09	-0.0255	0.0320	4.25E-01	TRUE
Asthma	IPF	rs616488	G	A	-0.0314	0.0050	3.41E-10	-0.0029	0.0198	8.84E-01	TRUE
Asthma	IPF	rs61907683	C	T	-0.0423	0.0056	5.40E-14	0.0175	0.0226	4.39E-01	TRUE
Asthma	IPF	rs61938963	T	C	0.0391	0.0050	5.88E-15	-0.0138	0.0198	4.85E-01	TRUE
Asthma	IPF	rs62242108	A	G	-0.0328	0.0054	1.13E-09	-0.0165	0.0224	4.61E-01	TRUE
Asthma	IPF	rs62294337	T	A	-0.0342	0.0056	8.73E-10	0.0033	0.0220	8.79E-01	TRUE
Asthma	IPF	rs62408222	G	A	-0.0637	0.0051	4.93E-36	0.0073	0.0201	7.15E-01	TRUE
Asthma	IPF	rs62449498	C	A	0.0331	0.0049	8.95E-12	0.0180	0.0200	3.70E-01	TRUE
Asthma	IPF	rs6461503	C	T	-0.0396	0.0048	2.24E-16	-0.0079	0.0199	6.91E-01	TRUE
Asthma	IPF	rs6505274	T	G	-0.0368	0.0066	2.00E-08	-0.0555	0.0272	4.16E-02	TRUE
Asthma	IPF	rs66632892	A	G	0.0350	0.0052	2.35E-11	0.0174	0.0210	4.09E-01	TRUE

Asthma	IPF	rs6782834	G	A	0.0296	0.0053	1.92E-08	-0.0162	0.0218	4.58E-01	TRUE
Asthma	IPF	rs6905736	C	A	-0.0413	0.0071	6.82E-09	-0.0601	0.0304	4.80E-02	TRUE
Asthma	IPF	rs708563	G	A	0.0301	0.0050	1.70E-09	0.0350	0.0186	6.07E-02	TRUE
Asthma	IPF	rs71368508	A	C	-0.0999	0.0180	2.93E-08	-0.0122	0.0725	8.66E-01	TRUE
Asthma	IPF	rs72668903	A	G	-0.0417	0.0071	5.64E-09	-0.0073	0.0276	7.92E-01	TRUE
Asthma	IPF	rs72699870	C	T	-0.0360	0.0063	1.11E-08	-0.0322	0.0258	2.11E-01	TRUE
Asthma	IPF	rs72823641	A	T	-0.1268	0.0068	2.91E-78	-0.0355	0.0263	1.78E-01	TRUE
Asthma	IPF	rs7555082	A	G	-0.0627	0.0079	1.34E-15	-0.0340	0.0325	2.96E-01	TRUE
Asthma	IPF	rs7562979	G	C	0.0449	0.0073	7.15E-10	0.0052	0.0288	8.58E-01	TRUE
Asthma	IPF	rs77791277	A	G	0.0428	0.0067	1.28E-10	0.0284	0.0239	2.35E-01	TRUE
Asthma	IPF	rs7918084	C	T	-0.0298	0.0047	3.00E-10	0.0268	0.0187	1.53E-01	TRUE
Asthma	IPF	rs8002731	C	A	-0.0338	0.0049	7.24E-12	-0.0402	0.0195	3.98E-02	TRUE
Asthma	IPF	rs8100197	A	G	0.0376	0.0066	1.04E-08	0.0206	0.0258	4.25E-01	TRUE
Asthma	IPF	rs826844	T	C	0.0550	0.0095	7.00E-09	-0.0224	0.0406	5.82E-01	TRUE
Asthma	IPF	rs875023	T	C	-0.0372	0.0056	3.12E-11	-0.0069	0.0224	7.59E-01	TRUE
Asthma	IPF	rs912131	A	G	-0.0549	0.0051	6.02E-27	0.0008	0.0202	9.67E-01	TRUE
Asthma	IPF	rs9270911	C	T	-0.1281	0.0053	6.15E-128	-0.0355	0.0209	8.99E-02	TRUE
Asthma	IPF	rs9272245	C	G	0.0726	0.0059	1.17E-34	-0.0116	0.0249	6.41E-01	TRUE
Asthma	IPF	rs9290877	C	T	0.0426	0.0053	5.88E-16	0.0146	0.0206	4.79E-01	TRUE
Asthma	IPF	rs962992	C	G	-0.0834	0.0049	3.26E-65	0.0190	0.0191	3.22E-01	TRUE
Asthma	IPF	rs981625	G	C	0.0634	0.0101	4.04E-10	-0.0209	0.0424	6.22E-01	TRUE
Asthma	IPF	rs9828592	C	T	0.0446	0.0049	4.53E-20	0.0242	0.0201	2.28E-01	TRUE
Asthma	IPF	rs992969	A	G	0.1052	0.0055	4.40E-81	0.0489	0.0216	2.32E-02	TRUE
Asthma	IPF	rs9930506	G	A	0.0297	0.0047	3.33E-10	-0.0106	0.0187	5.71E-01	TRUE
Asthma	LungCancer	rs10075764	G	A	-0.0381	0.0049	1.35E-14	0.0015	0.0127	9.03E-01	TRUE
Asthma	LungCancer	rs10131571	T	C	0.0319	0.0050	1.50E-10	-0.0137	0.0123	2.68E-01	TRUE
Asthma	LungCancer	rs10416530	C	T	0.0378	0.0053	8.67E-13	0.0039	0.0146	7.87E-01	TRUE
Asthma	LungCancer	rs1048665	G	T	-0.0373	0.0056	2.18E-11	-0.0247	0.0140	7.66E-02	TRUE
Asthma	LungCancer	rs10519067	A	G	-0.0670	0.0068	9.30E-23	0.0116	0.0169	4.90E-01	TRUE
Asthma	LungCancer	rs10803511	T	C	-0.0309	0.0052	2.56E-09	0.0169	0.0117	1.48E-01	TRUE
Asthma	LungCancer	rs10828248	G	A	0.0304	0.0053	1.05E-08	0.0016	0.0122	8.94E-01	TRUE
Asthma	LungCancer	rs10835369	A	T	-0.0311	0.0057	3.70E-08	-0.0259	0.0120	3.18E-02	TRUE
Asthma	LungCancer	rs10912564	T	C	0.0293	0.0052	1.76E-08	-0.0203	0.0124	1.03E-01	TRUE
Asthma	LungCancer	rs10920569	C	T	-0.0385	0.0050	1.90E-14	0.0134	0.0126	2.84E-01	TRUE
Asthma	LungCancer	rs10976923	A	T	0.0324	0.0056	8.05E-09	-0.0161	0.0140	2.51E-01	TRUE
Asthma	LungCancer	rs11057204	T	C	-0.0390	0.0059	3.62E-11	-0.0257	0.0143	7.26E-02	TRUE
Asthma	LungCancer	rs11081564	G	A	0.0328	0.0056	3.58E-09	0.0144	0.0145	3.22E-01	TRUE
Asthma	LungCancer	rs11236791	A	G	0.0657	0.0047	1.57E-43	0.0239	0.0118	4.33E-02	TRUE
Asthma	LungCancer	rs1132645	C	G	-0.0341	0.0055	5.09E-10	-0.0034	0.0135	8.02E-01	TRUE
Asthma	LungCancer	rs114947103	C	T	0.0407	0.0061	2.33E-11	0.0167	0.0154	2.80E-01	TRUE
Asthma	LungCancer	rs11602802	C	A	-0.0378	0.0052	2.14E-13	0.0209	0.0143	1.44E-01	TRUE
Asthma	LungCancer	rs11721	A	C	0.0480	0.0080	1.95E-09	-0.0255	0.0216	2.37E-01	TRUE
Asthma	LungCancer	rs117710327	A	C	-0.1117	0.0097	6.56E-31	0.0024	0.0260	9.26E-01	TRUE
Asthma	LungCancer	rs11942410	T	C	-0.0343	0.0058	2.83E-09	-0.0133	0.0136	3.27E-01	TRUE
Asthma	LungCancer	rs12123821	T	C	0.0970	0.0121	8.94E-16	-0.0331	0.0344	3.36E-01	TRUE
Asthma	LungCancer	rs12379417	A	G	0.0318	0.0049	9.02E-11	0.0085	0.0121	4.84E-01	TRUE
Asthma	LungCancer	rs1293202	A	G	-0.0460	0.0070	6.49E-11	0.0074	0.0192	7.00E-01	TRUE
Asthma	LungCancer	rs13213141	A	G	-0.0311	0.0053	3.29E-09	0.0348	0.0127	6.28E-03	TRUE
Asthma	LungCancer	rs13232403	A	G	-0.0372	0.0053	1.86E-12	0.0030	0.0133	8.23E-01	TRUE
Asthma	LungCancer	rs13263709	T	C	0.0498	0.0050	1.26E-23	-0.0034	0.0122	7.79E-01	TRUE
Asthma	LungCancer	rs13277355	A	G	0.0334	0.0054	4.94E-10	0.0034	0.0132	7.96E-01	TRUE
Asthma	LungCancer	rs13296447	G	C	0.0326	0.0058	2.01E-08	-0.0131	0.0141	3.53E-01	TRUE
Asthma	LungCancer	rs138316828	T	C	0.0431	0.0078	2.79E-08	-0.0060	0.0194	7.58E-01	TRUE
Asthma	LungCancer	rs144569746	T	C	0.0720	0.0074	3.78E-22	0.0044	0.0186	8.13E-01	TRUE
Asthma	LungCancer	rs16853094	A	G	0.0300	0.0054	3.15E-08	-0.0088	0.0139	5.24E-01	TRUE
Asthma	LungCancer	rs16903574	G	C	0.0682	0.0087	5.00E-15	-0.0172	0.0253	4.98E-01	TRUE
Asthma	LungCancer	rs17227210	T	C	0.0493	0.0071	3.39E-12	-0.0442	0.0172	1.02E-02	TRUE
Asthma	LungCancer	rs1723016	C	T	-0.0391	0.0049	1.66E-15	0.0156	0.0121	1.98E-01	TRUE
Asthma	LungCancer	rs17293632	T	C	0.0829	0.0055	1.21E-51	-0.0103	0.0139	4.59E-01	TRUE
Asthma	LungCancer	rs174568	T	C	-0.0379	0.0049	1.52E-14	-0.0306	0.0125	1.44E-02	TRUE
Asthma	LungCancer	rs178830	C	T	-0.0298	0.0047	2.85E-10	-0.0063	0.0119	5.98E-01	TRUE
Asthma	LungCancer	rs1837253	T	C	-0.0997	0.0054	2.45E-76	-0.0302	0.0133	2.35E-02	TRUE
Asthma	LungCancer	rs1991401	G	A	-0.0295	0.0052	1.37E-08	-0.0098	0.0138	4.78E-01	TRUE
Asthma	LungCancer	rs2025758	C	T	-0.0428	0.0048	2.00E-19	-0.0175	0.0119	1.42E-01	TRUE
Asthma	LungCancer	rs2052692	A	G	0.0280	0.0050	2.33E-08	-0.0115	0.0125	3.58E-01	TRUE
Asthma	LungCancer	rs2126202	C	A	0.0266	0.0049	4.32E-08	-0.0053	0.0120	6.57E-01	TRUE
Asthma	LungCancer	rs2135481	A	G	-0.0332	0.0057	5.57E-09	0.0263	0.0140	6.05E-02	TRUE
Asthma	LungCancer	rs2188962	T	C	-0.0661	0.0049	2.40E-41	0.0116	0.0119	3.31E-01	TRUE
Asthma	LungCancer	rs2199036	T	C	0.0372	0.0051	1.92E-13	0.0295	0.0122	1.56E-02	TRUE
Asthma	LungCancer	rs2205049	T	C	-0.0387	0.0049	3.26E-15	-0.0019	0.0128	8.83E-01	TRUE
Asthma	LungCancer	rs2240157	T	C	0.0299	0.0054	2.93E-08	-0.0088	0.0134	5.12E-01	TRUE
Asthma	LungCancer	rs2276133	A	G	-0.0370	0.0055	1.39E-11	-0.0107	0.0135	4.28E-01	TRUE
Asthma	LungCancer	rs249681	G	C	-0.0450	0.0051	1.85E-18	0.0147	0.0121	2.24E-01	TRUE
Asthma	LungCancer	rs2671654	G	A	-0.0479	0.0049	1.15E-22	-0.0128	0.0120	2.86E-01	TRUE

Asthma	LungCancer	rs2756184	T	G	0.0288	0.0047	1.30E-09	0.0272	0.0118	2.12E-02	TRUE
Asthma	LungCancer	rs2811381	A	G	-0.0415	0.0075	2.92E-08	-0.0052	0.0182	7.75E-01	TRUE
Asthma	LungCancer	rs290897	C	T	-0.1127	0.0147	1.70E-14	-0.0429	0.0332	1.97E-01	TRUE
Asthma	LungCancer	rs2921096	T	C	-0.0292	0.0050	6.19E-09	-0.0017	0.0117	8.85E-01	TRUE
Asthma	LungCancer	rs2951185	T	C	0.0293	0.0053	2.48E-08	-0.0227	0.0131	8.15E-02	TRUE
Asthma	LungCancer	rs34381727	G	C	0.0300	0.0052	6.97E-09	0.0056	0.0123	6.52E-01	TRUE
Asthma	LungCancer	rs34712979	A	G	0.0471	0.0055	1.32E-17	0.0223	0.0155	1.51E-01	TRUE
Asthma	LungCancer	rs35441874	A	T	-0.0663	0.0055	5.44E-33	0.0052	0.0134	6.96E-01	TRUE
Asthma	LungCancer	rs36068512	C	T	0.0488	0.0085	9.06E-09	-0.0193	0.0225	3.91E-01	TRUE
Asthma	LungCancer	rs3784099	A	G	0.0473	0.0052	1.11E-19	0.0103	0.0128	4.22E-01	TRUE
Asthma	LungCancer	rs3824074	C	G	0.0330	0.0051	7.54E-11	0.0061	0.0145	6.73E-01	TRUE
Asthma	LungCancer	rs3843642	C	T	-0.0460	0.0071	8.69E-11	0.0256	0.0170	1.32E-01	TRUE
Asthma	LungCancer	rs4099209	G	T	0.0565	0.0071	1.52E-15	0.0038	0.0153	8.04E-01	TRUE
Asthma	LungCancer	rs4308313	G	A	0.0435	0.0075	7.71E-09	-0.0028	0.0188	8.83E-01	TRUE
Asthma	LungCancer	rs4664443	G	A	0.0271	0.0049	4.58E-08	0.0039	0.0120	7.47E-01	TRUE
Asthma	LungCancer	rs4787951	C	T	0.0480	0.0052	3.15E-20	0.0174	0.0130	1.82E-01	TRUE
Asthma	LungCancer	rs4895369	A	G	-0.0335	0.0052	1.09E-10	0.0144	0.0127	2.56E-01	TRUE
Asthma	LungCancer	rs491087	A	G	0.0311	0.0050	4.09E-10	-0.0115	0.0124	3.54E-01	TRUE
Asthma	LungCancer	rs55730955	A	T	-0.0580	0.0104	2.58E-08	-0.0277	0.0259	2.86E-01	TRUE
Asthma	LungCancer	rs55743914	T	C	0.0340	0.0055	7.51E-10	-0.0330	0.0141	1.90E-02	TRUE
Asthma	LungCancer	rs55755011	G	A	0.0335	0.0059	1.42E-08	-0.0341	0.0144	1.80E-02	TRUE
Asthma	LungCancer	rs56035021	A	G	0.0454	0.0051	3.38E-19	-0.0115	0.0125	3.56E-01	TRUE
Asthma	LungCancer	rs57594613	A	G	0.0686	0.0123	2.35E-08	-0.0331	0.0326	3.10E-01	TRUE
Asthma	LungCancer	rs60119330	C	T	0.0359	0.0057	2.34E-10	-0.0189	0.0141	1.80E-01	TRUE
Asthma	LungCancer	rs616488	G	A	-0.0314	0.0050	3.41E-10	0.0194	0.0125	1.21E-01	TRUE
Asthma	LungCancer	rs61907683	C	T	-0.0423	0.0056	5.40E-14	-0.0025	0.0145	8.64E-01	TRUE
Asthma	LungCancer	rs61938963	T	C	0.0391	0.0050	5.88E-15	-0.0409	0.0125	1.09E-03	TRUE
Asthma	LungCancer	rs62242108	A	G	-0.0328	0.0054	1.13E-09	-0.0317	0.0134	1.82E-02	TRUE
Asthma	LungCancer	rs62294337	T	A	-0.0342	0.0056	8.73E-10	-0.0227	0.0135	9.21E-02	TRUE
Asthma	LungCancer	rs62408222	G	A	-0.0637	0.0051	4.93E-36	-0.0089	0.0124	4.75E-01	TRUE
Asthma	LungCancer	rs62449498	C	A	0.0331	0.0049	8.95E-12	-0.0193	0.0118	1.02E-01	TRUE
Asthma	LungCancer	rs6461503	C	T	-0.0396	0.0048	2.24E-16	0.0251	0.0117	3.16E-02	TRUE
Asthma	LungCancer	rs6505274	T	G	-0.0368	0.0066	2.00E-08	-0.0089	0.0162	5.80E-01	TRUE
Asthma	LungCancer	rs6782834	G	A	0.0296	0.0053	1.92E-08	0.0024	0.0133	8.75E-01	TRUE
Asthma	LungCancer	rs6905736	C	A	-0.0413	0.0071	6.82E-09	0.0137	0.0199	4.90E-01	TRUE
Asthma	LungCancer	rs708563	G	A	0.0301	0.0050	1.70E-09	-0.0172	0.0119	1.49E-01	TRUE
Asthma	LungCancer	rs71368508	A	C	-0.0999	0.0180	2.93E-08	0.1400	0.0590	1.77E-02	TRUE
Asthma	LungCancer	rs72668903	A	G	-0.0417	0.0071	5.64E-09	-0.0288	0.0177	1.03E-01	TRUE
Asthma	LungCancer	rs72699870	C	T	-0.0360	0.0063	1.11E-08	0.0237	0.0150	1.15E-01	TRUE
Asthma	LungCancer	rs72823641	A	T	-0.1268	0.0068	2.91E-78	-0.0129	0.0167	4.37E-01	TRUE
Asthma	LungCancer	rs7555082	A	G	-0.0627	0.0079	1.34E-15	0.0192	0.0188	3.09E-01	TRUE
Asthma	LungCancer	rs7562979	G	C	0.0449	0.0073	7.15E-10	0.0044	0.0190	8.17E-01	TRUE
Asthma	LungCancer	rs77791277	A	G	0.0428	0.0067	1.28E-10	0.0106	0.0148	4.74E-01	TRUE
Asthma	LungCancer	rs7918084	C	T	-0.0298	0.0047	3.00E-10	0.0045	0.0118	7.00E-01	TRUE
Asthma	LungCancer	rs8002731	C	A	-0.0338	0.0049	7.24E-12	0.0050	0.0124	6.90E-01	TRUE
Asthma	LungCancer	rs8100197	A	G	0.0376	0.0066	1.04E-08	-0.0034	0.0138	8.04E-01	TRUE
Asthma	LungCancer	rs875023	T	C	-0.0372	0.0056	3.12E-11	0.0155	0.0141	2.74E-01	TRUE
Asthma	LungCancer	rs9112131	A	G	-0.0549	0.0051	6.02E-27	-0.0125	0.0127	3.26E-01	TRUE
Asthma	LungCancer	rs9270911	C	T	-0.1281	0.0053	6.15E-128	-0.0675	0.0128	1.26E-07	TRUE
Asthma	LungCancer	rs9290877	C	T	0.0426	0.0053	5.88E-16	0.0144	0.0127	2.58E-01	TRUE
Asthma	LungCancer	rs962992	C	G	-0.0834	0.0049	3.26E-65	0.0083	0.0118	4.84E-01	TRUE
Asthma	LungCancer	rs981625	G	C	0.0634	0.0101	4.04E-10	-0.0159	0.0251	5.27E-01	TRUE
Asthma	LungCancer	rs9828592	C	T	0.0446	0.0049	4.53E-20	-0.0093	0.0117	4.24E-01	TRUE
Asthma	LungCancer	rs992969	A	G	0.1052	0.0055	4.40E-81	-0.0141	0.0135	2.96E-01	TRUE
Asthma	LungCancer	rs9930506	G	A	0.0297	0.0047	3.33E-10	-0.0173	0.0118	1.42E-01	TRUE
Asthma	Snoring	rs10075764	G	A	-0.0381	0.0049	1.35E-14	-0.0003	0.0011	8.10E-01	TRUE
Asthma	Snoring	rs10131571	T	C	0.0319	0.0050	1.50E-10	0.0013	0.0011	2.40E-01	TRUE
Asthma	Snoring	rs10416530	C	T	0.0378	0.0053	8.67E-13	0.0013	0.0011	2.30E-01	TRUE
Asthma	Snoring	rs1048665	G	T	-0.0373	0.0056	2.18E-11	-0.0015	0.0012	2.40E-01	TRUE
Asthma	Snoring	rs10519067	A	G	-0.0670	0.0068	9.30E-23	-0.0028	0.0016	6.90E-02	TRUE
Asthma	Snoring	rs1059513	C	T	-0.0914	0.0083	2.80E-28	-0.0015	0.0017	3.80E-01	TRUE
Asthma	Snoring	rs10803511	T	C	-0.0309	0.0052	2.56E-09	0.0026	0.0010	1.50E-02	TRUE
Asthma	Snoring	rs10828248	G	A	0.0304	0.0053	1.05E-08	0.0012	0.0011	3.10E-01	TRUE
Asthma	Snoring	rs10835369	A	T	-0.0311	0.0057	3.70E-08	-0.0002	0.0011	8.70E-01	TRUE
Asthma	Snoring	rs10912564	T	C	0.0293	0.0052	1.76E-08	0.0012	0.0011	3.00E-01	TRUE
Asthma	Snoring	rs10920569	C	T	-0.0385	0.0050	1.90E-14	-0.0004	0.0011	7.10E-01	TRUE
Asthma	Snoring	rs10976923	A	T	0.0324	0.0056	8.05E-09	0.0034	0.0012	4.10E-03	TRUE
Asthma	Snoring	rs11057204	T	C	-0.0390	0.0059	3.62E-11	-0.0003	0.0013	8.20E-01	TRUE
Asthma	Snoring	rs11081564	G	A	0.0328	0.0056	3.58E-09	-0.0010	0.0012	4.10E-01	TRUE
Asthma	Snoring	rs11154803	T	C	0.0331	0.0049	1.96E-11	0.0005	0.0011	6.00E-01	TRUE
Asthma	Snoring	rs11236791	A	G	0.0657	0.0047	1.57E-43	-0.0018	0.0010	7.90E-02	TRUE
Asthma	Snoring	rs11236813	C	G	-0.0457	0.0078	5.43E-09	0.0017	0.0017	2.90E-01	TRUE
Asthma	Snoring	rs1132645	C	G	-0.0341	0.0055	5.09E-10	0.0005	0.0012	6.80E-01	TRUE
Asthma	Snoring	rs114947103	C	T	0.0407	0.0061	2.33E-11	0.0023	0.0014	9.30E-02	TRUE

Asthma	Snoring	rs11602802	C	A	-0.0378	0.0052	2.14E-13	-0.0019	0.0011	8.90E-02	TRUE
Asthma	Snoring	rs11721	A	C	0.0480	0.0080	1.95E-09	0.0012	0.0018	5.60E-01	TRUE
Asthma	Snoring	rs117710327	A	C	-0.1117	0.0097	6.56E-31	-0.0034	0.0021	1.10E-01	TRUE
Asthma	Snoring	rs11942410	T	C	-0.0343	0.0058	2.83E-09	0.0006	0.0012	5.90E-01	TRUE
Asthma	Snoring	rs12123821	T	C	0.0970	0.0121	8.94E-16	0.0018	0.0024	4.90E-01	TRUE
Asthma	Snoring	rs12379417	A	G	0.0318	0.0049	9.02E-11	0.0026	0.0011	1.90E-02	TRUE
Asthma	Snoring	rs1293202	A	G	-0.0460	0.0070	6.49E-11	-0.0021	0.0016	1.80E-01	TRUE
Asthma	Snoring	rs13213141	A	G	-0.0311	0.0053	3.29E-09	0.0008	0.0011	4.90E-01	TRUE
Asthma	Snoring	rs13232403	A	G	-0.0372	0.0053	1.86E-12	0.0013	0.0012	2.80E-01	TRUE
Asthma	Snoring	rs13263709	T	C	0.0498	0.0050	1.26E-23	-0.0021	0.0011	4.90E-02	TRUE
Asthma	Snoring	rs13277355	A	G	0.0334	0.0054	4.94E-10	0.0010	0.0012	4.20E-01	TRUE
Asthma	Snoring	rs13296447	G	C	0.0326	0.0058	2.01E-08	-0.0014	0.0012	2.20E-01	TRUE
Asthma	Snoring	rs138316828	T	C	0.0431	0.0078	2.79E-08	0.0021	0.0018	2.70E-01	TRUE
Asthma	Snoring	rs144569746	T	C	0.0720	0.0074	3.78E-22	0.0067	0.0017	9.10E-05	TRUE
Asthma	Snoring	rs1489762	C	T	-0.0395	0.0048	1.39E-16	0.0013	0.0011	2.00E-01	TRUE
Asthma	Snoring	rs16853094	A	G	0.0300	0.0054	3.15E-08	0.0000	0.0012	9.90E-01	TRUE
Asthma	Snoring	rs16903574	G	C	0.0682	0.0087	5.00E-15	0.0006	0.0020	7.90E-01	TRUE
Asthma	Snoring	rs17227210	T	C	0.0493	0.0071	3.39E-12	0.0028	0.0015	6.10E-02	TRUE
Asthma	Snoring	rs1723016	C	T	-0.0391	0.0049	1.66E-15	0.0012	0.0011	2.30E-01	TRUE
Asthma	Snoring	rs17293632	T	C	0.0829	0.0055	1.21E-51	0.0004	0.0012	6.80E-01	TRUE
Asthma	Snoring	rs174568	T	C	-0.0379	0.0049	1.52E-14	0.0012	0.0011	2.60E-01	TRUE
Asthma	Snoring	rs178830	C	T	-0.0298	0.0047	2.85E-10	0.0003	0.0010	7.70E-01	TRUE
Asthma	Snoring	rs1837253	T	C	-0.0997	0.0054	2.45E-76	-0.0010	0.0012	4.00E-01	TRUE
Asthma	Snoring	rs1991401	G	A	-0.0295	0.0052	1.37E-08	0.0002	0.0011	8.50E-01	TRUE
Asthma	Snoring	rs2025758	C	T	-0.0428	0.0048	2.00E-19	-0.0034	0.0011	1.20E-03	TRUE
Asthma	Snoring	rs2052692	A	G	0.0280	0.0050	2.33E-08	0.0011	0.0011	3.40E-01	TRUE
Asthma	Snoring	rs2070901	T	G	0.0407	0.0055	1.38E-13	-0.0012	0.0012	3.60E-01	TRUE
Asthma	Snoring	rs2111363	A	G	-0.0291	0.0053	3.42E-08	0.0003	0.0011	7.70E-01	TRUE
Asthma	Snoring	rs2126202	C	A	0.0266	0.0049	4.32E-08	0.0028	0.0010	6.80E-03	TRUE
Asthma	Snoring	rs2135481	A	G	-0.0332	0.0057	5.57E-09	0.0012	0.0012	3.80E-01	TRUE
Asthma	Snoring	rs2188962	T	C	-0.0661	0.0049	2.40E-41	-0.0012	0.0011	2.80E-01	TRUE
Asthma	Snoring	rs2205049	T	C	-0.0387	0.0049	3.26E-15	-0.0010	0.0011	3.30E-01	TRUE
Asthma	Snoring	rs2240157	T	C	0.0299	0.0054	2.93E-08	-0.0019	0.0012	1.20E-01	TRUE
Asthma	Snoring	rs2276133	A	G	-0.0370	0.0055	1.39E-11	-0.0012	0.0012	3.50E-01	TRUE
Asthma	Snoring	rs2294878	T	G	0.0427	0.0049	2.29E-18	-0.0009	0.0010	3.90E-01	TRUE
Asthma	Snoring	rs249681	G	C	-0.0450	0.0051	1.85E-18	0.0014	0.0011	2.20E-01	TRUE
Asthma	Snoring	rs2524084	G	A	0.0289	0.0050	9.39E-09	-0.0005	0.0011	5.60E-01	TRUE
Asthma	Snoring	rs2671654	G	A	-0.0479	0.0049	1.15E-22	-0.0032	0.0011	1.70E-03	TRUE
Asthma	Snoring	rs274949	G	A	0.0294	0.0049	1.49E-09	-0.0027	0.0010	9.70E-03	TRUE
Asthma	Snoring	rs2756184	T	G	0.0288	0.0047	1.30E-09	0.0014	0.0011	1.80E-01	TRUE
Asthma	Snoring	rs2811381	A	G	-0.0415	0.0075	2.92E-08	0.0023	0.0016	1.30E-01	TRUE
Asthma	Snoring	rs290897	C	T	-0.1127	0.0147	1.70E-14	-0.0062	0.0033	6.00E-02	TRUE
Asthma	Snoring	rs2921096	T	C	-0.0292	0.0050	6.19E-09	0.0007	0.0011	5.30E-01	TRUE
Asthma	Snoring	rs2951185	T	C	0.0293	0.0053	2.48E-08	-0.0016	0.0011	1.40E-01	TRUE
Asthma	Snoring	rs34290285	A	G	-0.0828	0.0056	3.60E-50	-0.0010	0.0012	3.40E-01	TRUE
Asthma	Snoring	rs34381727	G	C	0.0300	0.0052	6.97E-09	0.0011	0.0011	2.90E-01	TRUE
Asthma	Snoring	rs34712979	A	G	0.0471	0.0055	1.32E-17	-0.0016	0.0012	1.70E-01	TRUE
Asthma	Snoring	rs35441874	A	T	-0.0663	0.0055	5.44E-33	-0.0031	0.0012	1.50E-02	TRUE
Asthma	Snoring	rs35668054	T	C	-0.0610	0.0090	1.15E-11	-0.0016	0.0020	4.10E-01	TRUE
Asthma	Snoring	rs36068512	C	T	0.0488	0.0085	9.06E-09	0.0018	0.0019	3.00E-01	TRUE
Asthma	Snoring	rs3784099	A	G	0.0473	0.0052	1.11E-19	0.0001	0.0012	9.40E-01	TRUE
Asthma	Snoring	rs3824074	C	G	0.0330	0.0051	7.54E-11	0.0007	0.0011	4.80E-01	TRUE
Asthma	Snoring	rs3843642	C	T	-0.0460	0.0071	8.69E-11	-0.0007	0.0015	6.60E-01	TRUE
Asthma	Snoring	rs3856439	T	C	-0.0419	0.0052	8.45E-16	-0.0026	0.0011	1.70E-02	TRUE
Asthma	Snoring	rs4099209	G	T	0.0565	0.0071	1.52E-15	-0.0017	0.0014	2.50E-01	TRUE
Asthma	Snoring	rs4308313	G	A	0.0435	0.0075	7.71E-09	-0.0018	0.0017	2.50E-01	TRUE
Asthma	Snoring	rs4389093	G	A	0.0297	0.0049	1.15E-09	0.0019	0.0011	6.90E-02	TRUE
Asthma	Snoring	rs4664443	G	A	0.0271	0.0049	4.58E-08	0.0003	0.0011	7.40E-01	TRUE
Asthma	Snoring	rs4787951	C	T	0.0480	0.0052	3.15E-20	0.0034	0.0011	2.50E-03	TRUE
Asthma	Snoring	rs4895369	A	G	-0.0335	0.0052	1.09E-10	0.0009	0.0011	4.20E-01	TRUE
Asthma	Snoring	rs491087	A	G	0.0311	0.0050	4.09E-10	0.0010	0.0011	3.70E-01	TRUE
Asthma	Snoring	rs55730955	A	T	-0.0580	0.0104	2.58E-08	0.0006	0.0025	8.10E-01	TRUE
Asthma	Snoring	rs55743914	T	C	0.0340	0.0055	7.51E-10	-0.0015	0.0012	2.00E-01	TRUE
Asthma	Snoring	rs55755011	G	A	0.0335	0.0059	1.42E-08	-0.0001	0.0013	9.40E-01	TRUE
Asthma	Snoring	rs56035021	A	G	0.0454	0.0051	3.38E-19	-0.0004	0.0011	7.10E-01	TRUE
Asthma	Snoring	rs5743618	A	C	-0.0562	0.0059	1.43E-21	0.0031	0.0013	1.40E-02	TRUE
Asthma	Snoring	rs57594613	A	G	0.0686	0.0123	2.35E-08	-0.0042	0.0029	1.60E-01	TRUE
Asthma	Snoring	rs60119330	C	T	0.0359	0.0057	2.34E-10	0.0019	0.0012	1.20E-01	TRUE
Asthma	Snoring	rs6087868	A	G	0.0457	0.0077	3.33E-09	0.0017	0.0014	2.30E-01	TRUE
Asthma	Snoring	rs616488	G	A	-0.0314	0.0050	3.41E-10	0.0000	0.0011	9.50E-01	TRUE
Asthma	Snoring	rs61907683	C	T	-0.0423	0.0056	5.40E-14	-0.0008	0.0013	5.20E-01	TRUE
Asthma	Snoring	rs61938963	T	C	0.0391	0.0050	5.88E-15	-0.0031	0.0011	4.80E-03	TRUE
Asthma	Snoring	rs62242108	A	G	-0.0328	0.0054	1.13E-09	-0.0026	0.0012	3.00E-02	TRUE
Asthma	Snoring	rs62294337	T	A	-0.0342	0.0056	8.73E-10	-0.0039	0.0012	8.00E-04	TRUE

Asthma	Snoring	rs62408222	G	A	-0.0637	0.0051	4.93E-36	-0.0005	0.0011	5.70E-01	TRUE
Asthma	Snoring	rs62449498	C	A	0.0331	0.0049	8.95E-12	0.0001	0.0011	9.50E-01	TRUE
Asthma	Snoring	rs6461503	C	T	-0.0396	0.0048	2.24E-16	-0.0028	0.0010	5.70E-03	TRUE
Asthma	Snoring	rs6505274	T	G	-0.0368	0.0066	2.00E-08	-0.0001	0.0014	9.60E-01	TRUE
Asthma	Snoring	rs66632892	A	G	0.0350	0.0052	2.35E-11	-0.0008	0.0012	5.30E-01	TRUE
Asthma	Snoring	rs6782834	G	A	0.0296	0.0053	1.92E-08	0.0003	0.0011	7.60E-01	TRUE
Asthma	Snoring	rs6905736	C	A	-0.0413	0.0071	6.82E-09	-0.0029	0.0015	4.40E-02	TRUE
Asthma	Snoring	rs708563	G	A	0.0301	0.0050	1.70E-09	-0.0009	0.0011	4.60E-01	TRUE
Asthma	Snoring	rs71368508	A	C	-0.0999	0.0180	2.93E-08	0.0028	0.0037	3.70E-01	TRUE
Asthma	Snoring	rs72668903	A	G	-0.0417	0.0071	5.64E-09	-0.0042	0.0015	6.00E-03	TRUE
Asthma	Snoring	rs72699870	C	T	-0.0360	0.0063	1.11E-08	-0.0024	0.0013	5.60E-02	TRUE
Asthma	Snoring	rs72823641	A	T	-0.1268	0.0068	2.91E-78	-0.0012	0.0015	4.10E-01	TRUE
Asthma	Snoring	rs7555082	A	G	-0.0627	0.0079	1.34E-15	0.0025	0.0016	1.20E-01	TRUE
Asthma	Snoring	rs7562979	G	C	0.0449	0.0073	7.15E-10	-0.0002	0.0016	8.60E-01	TRUE
Asthma	Snoring	rs77791277	A	G	0.0428	0.0067	1.28E-10	0.0004	0.0013	7.60E-01	TRUE
Asthma	Snoring	rs7918084	C	T	-0.0298	0.0047	3.00E-10	0.0003	0.0011	7.20E-01	TRUE
Asthma	Snoring	rs8002731	C	A	-0.0338	0.0049	7.24E-12	-0.0008	0.0011	4.90E-01	TRUE
Asthma	Snoring	rs8100197	A	G	0.0376	0.0066	1.04E-08	0.0007	0.0012	5.30E-01	TRUE
Asthma	Snoring	rs8268844	T	C	0.0550	0.0095	7.00E-09	-0.0017	0.0020	4.10E-01	TRUE
Asthma	Snoring	rs875023	T	C	-0.0372	0.0056	3.12E-11	-0.0008	0.0012	5.20E-01	TRUE
Asthma	Snoring	rs912131	A	G	-0.0549	0.0051	6.02E-27	0.0005	0.0011	5.80E-01	TRUE
Asthma	Snoring	rs9270911	C	T	-0.1281	0.0053	6.15E-128	-0.0022	0.0011	3.80E-02	TRUE
Asthma	Snoring	rs9272245	C	G	0.0726	0.0059	1.17E-34	0.0011	0.0011	3.40E-01	TRUE
Asthma	Snoring	rs9290877	C	T	0.0426	0.0053	5.88E-16	0.0003	0.0011	7.20E-01	TRUE
Asthma	Snoring	rs981625	G	C	0.0634	0.0101	4.04E-10	-0.0037	0.0021	8.60E-02	TRUE
Asthma	Snoring	rs9828592	C	T	0.0446	0.0049	4.53E-20	0.0000	0.0011	9.60E-01	TRUE
Asthma	Snoring	rs992969	A	G	0.1052	0.0055	4.40E-81	0.0006	0.0012	6.30E-01	TRUE
COPD	Asthma	rs11782089	A	G	-0.0730	0.0116	2.72E-10	-0.0185	0.0075	1.40E-02	TRUE
COPD	Asthma	rs11877758	G	T	0.0514	0.0078	3.47E-11	0.0129	0.0053	1.47E-02	TRUE
COPD	Asthma	rs12307208	C	T	-0.0642	0.0113	1.52E-08	-0.0255	0.0080	1.35E-03	TRUE
COPD	Asthma	rs13081578	C	A	0.0480	0.0087	3.98E-08	0.0310	0.0059	1.65E-07	TRUE
COPD	Asthma	rs1322187	T	G	0.0451	0.0079	1.08E-08	0.0134	0.0054	1.31E-02	TRUE
COPD	Asthma	rs147678978	T	G	0.2642	0.0274	5.65E-22	0.0772	0.0210	2.36E-04	TRUE
COPD	Asthma	rs17409597	C	T	0.0455	0.0074	8.89E-10	0.0029	0.0054	5.96E-01	TRUE
COPD	Asthma	rs200613906	T	C	0.0536	0.0093	1.00E-08	0.0182	0.0058	1.83E-03	TRUE
COPD	Asthma	rs28929474	T	C	0.2015	0.0257	4.04E-15	0.0347	0.0181	5.48E-02	TRUE
COPD	Asthma	rs323598	T	C	0.0397	0.0071	2.53E-08	0.0138	0.0050	5.90E-03	TRUE
COPD	Asthma	rs324789	T	G	-0.0424	0.0077	4.49E-08	-0.0122	0.0053	2.10E-02	TRUE
COPD	Asthma	rs35631117	G	T	0.0441	0.0067	4.54E-11	0.0121	0.0047	1.09E-02	TRUE
COPD	Asthma	rs4423631	T	C	-0.0631	0.0114	3.44E-08	-0.0218	0.0080	6.76E-03	TRUE
COPD	Asthma	rs6011779	C	T	0.0698	0.0083	4.83E-17	0.0164	0.0059	5.56E-03	TRUE
COPD	Asthma	rs6446731	A	G	0.0412	0.0073	1.58E-08	0.0093	0.0052	7.24E-02	TRUE
COPD	Asthma	rs7002282	A	G	0.0397	0.0070	1.34E-08	0.0181	0.0050	3.12E-04	TRUE
COPD	Asthma	rs7024396	C	T	-0.0521	0.0078	2.60E-11	-0.0278	0.0053	1.58E-07	TRUE
COPD	Asthma	rs77854845	C	T	-0.0585	0.0100	5.88E-09	-0.0234	0.0071	9.69E-04	TRUE
COPD	Asthma	rs8040868	C	T	0.1066	0.0068	9.00E-55	0.0228	0.0048	2.33E-06	TRUE
COPD	IPF	rs1023518	T	G	0.0527	0.0075	1.66E-12	0.0634	0.0211	2.63E-03	TRUE
COPD	IPF	rs11782089	A	G	-0.0730	0.0116	2.72E-10	-0.0476	0.0314	1.30E-01	TRUE
COPD	IPF	rs11877758	G	T	0.0514	0.0078	3.47E-11	0.0416	0.0219	5.77E-02	TRUE
COPD	IPF	rs12307208	C	T	-0.0642	0.0113	1.52E-08	-0.0379	0.0313	2.26E-01	TRUE
COPD	IPF	rs13081578	C	A	0.0480	0.0087	3.98E-08	-0.0070	0.0227	7.59E-01	TRUE
COPD	IPF	rs13141641	C	T	-0.0641	0.0068	2.92E-21	0.0092	0.0190	6.27E-01	TRUE
COPD	IPF	rs1322187	T	G	0.0451	0.0079	1.08E-08	0.0125	0.0204	5.41E-01	TRUE
COPD	IPF	rs147678978	T	G	0.2642	0.0274	5.65E-22	0.3081	0.0744	3.42E-05	TRUE
COPD	IPF	rs17409597	C	T	0.0455	0.0074	8.89E-10	-0.0115	0.0191	5.49E-01	TRUE
COPD	IPF	rs17612712	T	A	0.0808	0.0123	5.15E-11	0.0713	0.0329	3.03E-02	TRUE
COPD	IPF	rs200613906	T	C	0.0536	0.0093	1.00E-08	-0.0067	0.0264	7.98E-01	TRUE
COPD	IPF	rs2160203	G	A	-0.0445	0.0077	6.18E-09	-0.0307	0.0214	1.51E-01	TRUE
COPD	IPF	rs28929474	T	C	0.2015	0.0257	4.04E-15	0.2831	0.0744	1.42E-04	TRUE
COPD	IPF	rs323598	T	C	0.0397	0.0071	2.53E-08	0.0200	0.0209	3.40E-01	TRUE
COPD	IPF	rs324789	T	G	-0.0424	0.0077	4.49E-08	-0.0385	0.0234	1.00E-01	TRUE
COPD	IPF	rs34712979	A	G	0.0486	0.0078	4.73E-10	-0.0128	0.0221	5.62E-01	TRUE
COPD	IPF	rs35631117	G	T	0.0441	0.0067	4.54E-11	0.0296	0.0187	1.14E-01	TRUE
COPD	IPF	rs4423631	T	C	-0.0631	0.0114	3.44E-08	-0.0459	0.0309	1.38E-01	TRUE
COPD	IPF	rs6011779	C	T	0.0698	0.0083	4.83E-17	0.0771	0.0232	9.01E-04	TRUE
COPD	IPF	rs62065216	A	G	0.0439	0.0071	7.71E-10	-0.0015	0.0203	9.40E-01	TRUE
COPD	IPF	rs6446731	A	G	0.0412	0.0073	1.58E-08	-0.0021	0.0206	9.18E-01	TRUE
COPD	IPF	rs7002282	A	G	0.0397	0.0070	1.34E-08	0.0342	0.0197	8.29E-02	TRUE
COPD	IPF	rs7024396	C	T	-0.0521	0.0078	2.60E-11	0.0075	0.0232	7.47E-01	TRUE
COPD	IPF	rs7130588	G	A	0.0385	0.0070	4.73E-08	0.0584	0.0196	2.91E-03	TRUE
COPD	IPF	rs7173826	G	T	-0.0397	0.0071	2.32E-08	-0.0232	0.0198	2.42E-01	TRUE
COPD	IPF	rs77854845	C	T	-0.0585	0.0100	5.88E-09	-0.0468	0.0277	9.17E-02	TRUE
COPD	IPF	rs8040868	C	T	0.1066	0.0068	9.00E-55	0.0488	0.0191	1.04E-02	TRUE
COPD	LungCancer	rs11877758	G	T	0.0514	0.0078	3.47E-11	0.0152	0.0126	2.29E-01	TRUE

COPD	LungCancer	rs12307208	C	T	-0.0642	0.0113	1.52E-08	-0.0207	0.0194	2.88E-01	TRUE
COPD	LungCancer	rs13081578	C	A	0.0480	0.0087	3.98E-08	-0.0149	0.0140	2.89E-01	TRUE
COPD	LungCancer	rs13141641	C	T	-0.0641	0.0068	2.92E-21	-0.0090	0.0118	4.48E-01	TRUE
COPD	LungCancer	rs1322187	T	G	0.0451	0.0079	1.08E-08	0.0205	0.0125	1.01E-01	TRUE
COPD	LungCancer	rs147678978	T	G	0.2642	0.0274	5.65E-22	0.0699	0.0383	6.84E-02	TRUE
COPD	LungCancer	rs17409597	C	T	0.0455	0.0074	8.89E-10	0.0188	0.0119	1.13E-01	TRUE
COPD	LungCancer	rs2160203	G	A	-0.0445	0.0077	6.18E-09	-0.0100	0.0135	4.57E-01	TRUE
COPD	LungCancer	rs28929474	T	C	0.2015	0.0257	4.04E-15	0.0100	0.0480	8.35E-01	TRUE
COPD	LungCancer	rs323598	T	C	0.0397	0.0071	2.53E-08	-0.0037	0.0121	7.60E-01	TRUE
COPD	LungCancer	rs324789	T	G	-0.0424	0.0077	4.49E-08	-0.0185	0.0124	1.35E-01	TRUE
COPD	LungCancer	rs34712979	A	G	0.0486	0.0078	4.73E-10	0.0223	0.0155	1.51E-01	TRUE
COPD	LungCancer	rs35631117	G	T	0.0441	0.0067	4.54E-11	0.0386	0.0117	9.52E-04	TRUE
COPD	LungCancer	rs4423631	T	C	-0.0631	0.0114	3.44E-08	-0.0236	0.0153	1.23E-01	TRUE
COPD	LungCancer	rs6011779	C	T	0.0698	0.0083	4.83E-17	0.0734	0.0151	1.21E-06	TRUE
COPD	LungCancer	rs7002282	A	G	0.0397	0.0070	1.34E-08	0.0018	0.0119	8.82E-01	TRUE
COPD	LungCancer	rs7024396	C	T	-0.0521	0.0078	2.60E-11	-0.0420	0.0124	6.88E-04	TRUE
COPD	LungCancer	rs7130588	G	A	0.0385	0.0070	4.73E-08	0.0133	0.0122	2.78E-01	TRUE
COPD	LungCancer	rs7173826	G	T	-0.0397	0.0071	2.32E-08	-0.0023	0.0125	8.54E-01	TRUE
COPD	LungCancer	rs77854845	C	T	-0.0585	0.0100	5.88E-09	-0.0002	0.0179	9.90E-01	TRUE
COPD	Snoring	rs1023518	T	G	0.0527	0.0075	1.66E-12	0.0026	0.0012	3.20E-02	TRUE
COPD	Snoring	rs11782089	A	G	-0.0730	0.0116	2.72E-10	0.0008	0.0014	5.70E-01	TRUE
COPD	Snoring	rs11877758	G	T	0.0514	0.0078	3.47E-11	0.0032	0.0011	5.30E-03	TRUE
COPD	Snoring	rs12307208	C	T	-0.0642	0.0113	1.52E-08	0.0018	0.0016	2.70E-01	TRUE
COPD	Snoring	rs13081578	C	A	0.0480	0.0087	3.98E-08	-0.0002	0.0012	8.70E-01	TRUE
COPD	Snoring	rs13141641	C	T	-0.0641	0.0068	2.92E-21	0.0015	0.0011	1.30E-01	TRUE
COPD	Snoring	rs1322187	T	G	0.0451	0.0079	1.08E-08	0.0020	0.0011	6.50E-02	TRUE
COPD	Snoring	rs147678978	T	G	0.2642	0.0274	5.65E-22	0.0014	0.0040	6.50E-01	TRUE
COPD	Snoring	rs17409597	C	T	0.0455	0.0074	8.89E-10	-0.0007	0.0011	5.00E-01	TRUE
COPD	Snoring	rs200613906	T	C	0.0536	0.0093	1.00E-08	-0.0004	0.0010	7.50E-01	TRUE
COPD	Snoring	rs2160203	G	A	-0.0445	0.0077	6.18E-09	0.0005	0.0012	7.30E-01	TRUE
COPD	Snoring	rs28929474	T	C	0.2015	0.0257	4.04E-15	0.0006	0.0037	8.30E-01	TRUE
COPD	Snoring	rs323598	T	C	0.0397	0.0071	2.53E-08	0.0012	0.0011	2.60E-01	TRUE
COPD	Snoring	rs324789	T	G	-0.0424	0.0077	4.49E-08	-0.0007	0.0011	5.00E-01	TRUE
COPD	Snoring	rs34712979	A	G	0.0486	0.0078	4.73E-10	-0.0016	0.0012	1.70E-01	TRUE
COPD	Snoring	rs35631117	G	T	0.0441	0.0067	4.54E-11	0.0024	0.0011	3.00E-02	TRUE
COPD	Snoring	rs4423631	T	C	-0.0631	0.0114	3.44E-08	0.0008	0.0014	5.20E-01	TRUE
COPD	Snoring	rs6011779	C	T	0.0698	0.0083	4.83E-17	-0.0001	0.0013	9.30E-01	TRUE
COPD	Snoring	rs62065216	A	G	0.0439	0.0071	7.71E-10	-0.0024	0.0011	2.70E-02	TRUE
COPD	Snoring	rs6446731	A	G	0.0412	0.0073	1.58E-08	0.0003	0.0012	7.70E-01	TRUE
COPD	Snoring	rs7002282	A	G	0.0397	0.0070	1.34E-08	0.0007	0.0011	4.30E-01	TRUE
COPD	Snoring	rs7024396	C	T	-0.0521	0.0078	2.60E-11	-0.0005	0.0011	6.60E-01	TRUE
COPD	Snoring	rs7130588	G	A	0.0385	0.0070	4.73E-08	-0.0016	0.0011	1.50E-01	TRUE
COPD	Snoring	rs7173826	G	T	-0.0397	0.0071	2.32E-08	-0.0002	0.0011	7.80E-01	TRUE
COPD	Snoring	rs77854845	C	T	-0.0585	0.0100	5.88E-09	-0.0007	0.0015	6.80E-01	TRUE
COPD	Snoring	rs8040868	C	T	0.1066	0.0068	9.00E-55	-0.0008	0.0011	4.50E-01	TRUE
IPF	Asthma	rs10069690	T	C	-0.1641	0.0212	1.01E-14	-0.0065	0.0053	2.25E-01	TRUE
IPF	Asthma	rs13238352	T	C	0.1562	0.0284	3.96E-08	-0.0224	0.0071	1.59E-03	TRUE
IPF	Asthma	rs145315307	G	T	0.4571	0.0693	4.27E-11	0.0101	0.0164	5.38E-01	TRUE
IPF	Asthma	rs1971698	A	G	0.1274	0.0230	2.89E-08	0.0052	0.0055	3.44E-01	TRUE
IPF	Asthma	rs2076295	G	T	0.1337	0.0188	1.11E-12	-0.0056	0.0048	2.35E-01	TRUE
IPF	Asthma	rs35705950	T	G	0.8521	0.0349	2.57E-131	-0.0018	0.0084	8.31E-01	TRUE
IPF	Asthma	rs56301633	A	G	-0.1494	0.0246	1.28E-09	-0.0030	0.0065	6.52E-01	TRUE
IPF	Asthma	rs57612798	A	G	0.3551	0.0565	3.36E-10	0.0012	0.0148	9.36E-01	TRUE
IPF	Asthma	rs59424629	T	G	0.1241	0.0188	3.92E-11	-0.0021	0.0047	6.62E-01	TRUE
IPF	Asthma	rs6963345	A	G	0.1324	0.0197	1.86E-11	-0.0088	0.0052	9.38E-02	TRUE
IPF	COPD	rs10069690	T	C	-0.1641	0.0212	1.01E-14	-0.0013	0.0075	8.67E-01	TRUE
IPF	COPD	rs13238352	T	C	0.1562	0.0284	3.96E-08	0.0151	0.0101	1.34E-01	TRUE
IPF	COPD	rs145315307	G	T	0.4571	0.0693	4.27E-11	0.0303	0.0244	2.14E-01	TRUE
IPF	COPD	rs1971698	A	G	0.1274	0.0230	2.89E-08	0.0087	0.0080	2.78E-01	TRUE
IPF	COPD	rs2076295	G	T	0.1337	0.0188	1.11E-12	-0.0024	0.0067	7.16E-01	TRUE
IPF	COPD	rs35705950	T	G	0.8521	0.0349	2.57E-131	0.0239	0.0116	3.91E-02	TRUE
IPF	COPD	rs56301633	A	G	-0.1494	0.0246	1.28E-09	0.0271	0.0094	3.99E-03	TRUE
IPF	COPD	rs57612798	A	G	0.3551	0.0565	3.36E-10	0.0599	0.0207	3.74E-03	TRUE
IPF	COPD	rs59424629	T	G	0.1241	0.0188	3.92E-11	0.0039	0.0067	5.57E-01	TRUE
IPF	COPD	rs6963345	A	G	0.1324	0.0197	1.86E-11	-0.0094	0.0077	2.21E-01	TRUE
IPF	LungCancer	rs10069690	T	C	-0.1641	0.0212	1.01E-14	0.0011	0.0150	9.39E-01	TRUE
IPF	LungCancer	rs13238352	T	C	0.1562	0.0284	3.96E-08	0.0323	0.0182	7.56E-02	TRUE
IPF	LungCancer	rs145315307	G	T	0.4571	0.0693	4.27E-11	0.0220	0.0475	6.44E-01	TRUE
IPF	LungCancer	rs1971698	A	G	0.1274	0.0230	2.89E-08	0.0085	0.0135	5.28E-01	TRUE
IPF	LungCancer	rs35705950	T	G	0.8521	0.0349	2.57E-131	0.0709	0.0252	4.96E-03	TRUE
IPF	LungCancer	rs59424629	T	G	0.1241	0.0188	3.92E-11	0.0455	0.0118	1.11E-04	TRUE
IPF	LungCancer	rs6963345	A	G	0.1324	0.0197	1.86E-11	0.0301	0.0120	1.24E-02	TRUE
IPF	Snoring	rs10069690	T	C	-0.1641	0.0212	1.01E-14	0.0029	0.0012	2.00E-02	TRUE
IPF	Snoring	rs13238352	T	C	0.1562	0.0284	3.96E-08	0.0006	0.0017	6.10E-01	TRUE

Snoring	IPF	rs2115855	G	T	0.0064	0.0012	3.60E-08	0.0427	0.0440	3.32E-01	TRUE
Snoring	IPF	rs2207944	C	T	0.0059	0.0011	2.00E-08	-0.0158	0.0187	3.98E-01	TRUE
Snoring	IPF	rs2307111	C	T	-0.0077	0.0011	4.80E-13	0.0237	0.0190	2.11E-01	TRUE
Snoring	IPF	rs2664299	C	T	-0.0075	0.0011	1.10E-12	0.0012	0.0203	9.54E-01	TRUE
Snoring	IPF	rs34811474	A	G	-0.0080	0.0012	1.30E-10	0.0159	0.0256	5.34E-01	TRUE
Snoring	IPF	rs4744369	T	A	-0.0058	0.0011	4.00E-08	0.0169	0.0204	4.07E-01	TRUE
Snoring	IPF	rs4976269	A	G	-0.0068	0.0011	8.60E-10	-0.0231	0.0199	2.46E-01	TRUE
Snoring	IPF	rs4987719	T	C	0.0162	0.0029	3.50E-08	-0.0490	0.0611	4.22E-01	TRUE
Snoring	IPF	rs57222984	G	A	0.0084	0.0012	5.40E-12	-0.1182	0.0232	3.58E-07	TRUE
Snoring	IPF	rs57292959	T	G	0.0069	0.0011	5.10E-11	0.0134	0.0255	5.98E-01	TRUE
Snoring	IPF	rs592333	G	A	0.0091	0.0011	1.00E-17	-0.0101	0.0204	6.20E-01	TRUE
Snoring	IPF	rs6054427	G	A	-0.0063	0.0011	4.00E-09	-0.0319	0.0195	1.01E-01	TRUE
Snoring	IPF	rs6099273	T	C	0.0067	0.0012	2.60E-08	-0.0090	0.0229	6.96E-01	TRUE
Snoring	IPF	rs61597598	A	G	0.0119	0.0015	5.10E-15	-0.0393	0.0281	1.62E-01	TRUE
Snoring	IPF	rs725861	G	A	0.0091	0.0013	1.00E-11	-0.0124	0.0233	5.94E-01	TRUE
Snoring	IPF	rs8069947	T	C	-0.0066	0.0011	2.80E-10	0.0336	0.0188	7.38E-02	TRUE
Snoring	IPF	rs8108822	T	C	-0.0109	0.0018	6.20E-10	0.0051	0.0323	8.74E-01	TRUE
Snoring	IPF	rs947612	G	A	0.0067	0.0012	1.50E-08	0.0214	0.0229	3.50E-01	TRUE
Snoring	IPF	rs9583546	G	C	-0.0059	0.0011	4.00E-08	-0.0078	0.0195	6.90E-01	TRUE
Snoring	LungCancer	rs10878269	T	C	0.0089	0.0011	2.30E-16	-0.0265	0.0121	2.79E-02	TRUE
Snoring	LungCancer	rs11018488	T	A	-0.0068	0.0011	5.30E-10	-0.0367	0.0134	6.32E-03	TRUE
Snoring	LungCancer	rs1108431	T	C	0.0066	0.0011	1.20E-09	0.0321	0.0122	8.39E-03	TRUE
Snoring	LungCancer	rs12119849	A	G	0.0123	0.0019	4.10E-11	0.0086	0.0213	6.87E-01	TRUE
Snoring	LungCancer	rs12429765	G	A	-0.0068	0.0011	6.20E-11	-0.0075	0.0119	5.26E-01	TRUE
Snoring	LungCancer	rs13156484	A	G	-0.0058	0.0011	2.70E-08	-0.0051	0.0119	6.68E-01	TRUE
Snoring	LungCancer	rs13251292	G	A	0.0074	0.0011	4.30E-12	-0.0266	0.0123	3.06E-02	TRUE
Snoring	LungCancer	rs1374895	C	T	0.0065	0.0011	4.50E-10	0.0261	0.0118	2.62E-02	TRUE
Snoring	LungCancer	rs1416685	C	G	0.0062	0.0011	5.30E-09	0.0320	0.0119	7.25E-03	TRUE
Snoring	LungCancer	rs1609721	C	T	-0.0061	0.0011	8.00E-09	0.0046	0.0120	7.00E-01	TRUE
Snoring	LungCancer	rs1641511	G	A	0.0071	0.0012	5.00E-09	-0.0024	0.0142	8.63E-01	TRUE
Snoring	LungCancer	rs17060460	G	A	0.0071	0.0012	1.40E-08	-0.0267	0.0140	5.57E-02	TRUE
Snoring	LungCancer	rs17151229	C	G	0.0065	0.0011	1.90E-09	0.0044	0.0123	7.21E-01	TRUE
Snoring	LungCancer	rs180110	G	A	-0.0068	0.0011	2.10E-10	-0.0192	0.0119	1.06E-01	TRUE
Snoring	LungCancer	rs2049045	C	G	-0.0083	0.0013	8.80E-10	-0.0346	0.0156	2.61E-02	TRUE
Snoring	LungCancer	rs2307111	C	T	-0.0077	0.0011	4.80E-13	-0.0079	0.0119	5.10E-01	TRUE
Snoring	LungCancer	rs2664299	C	T	-0.0075	0.0011	1.10E-12	-0.0192	0.0120	1.08E-01	TRUE
Snoring	LungCancer	rs34811474	A	G	-0.0080	0.0012	1.30E-10	-0.0314	0.0171	6.67E-02	TRUE
Snoring	LungCancer	rs4744369	T	A	-0.0058	0.0011	4.00E-08	-0.0039	0.0119	7.46E-01	TRUE
Snoring	LungCancer	rs4976269	A	G	-0.0068	0.0011	8.60E-10	-0.0136	0.0124	2.72E-01	TRUE
Snoring	LungCancer	rs4987719	T	C	0.0162	0.0029	3.50E-08	-0.0698	0.0430	1.05E-01	TRUE
Snoring	LungCancer	rs592333	G	A	0.0091	0.0011	1.00E-17	-0.0178	0.0127	1.59E-01	TRUE
Snoring	LungCancer	rs6054427	G	A	-0.0063	0.0011	4.00E-09	-0.0086	0.0124	4.87E-01	TRUE
Snoring	LungCancer	rs6099273	T	C	0.0067	0.0012	2.60E-08	-0.0074	0.0144	6.04E-01	TRUE
Snoring	LungCancer	rs61597598	A	G	0.0119	0.0015	5.10E-15	-0.0180	0.0177	3.11E-01	TRUE
Snoring	LungCancer	rs725861	G	A	0.0091	0.0013	1.00E-11	0.0148	0.0148	3.19E-01	TRUE
Snoring	LungCancer	rs8108822	T	C	-0.0109	0.0018	6.20E-10	-0.0023	0.0194	9.06E-01	TRUE
Snoring	LungCancer	rs947612	G	A	0.0067	0.0012	1.50E-08	0.0069	0.0135	6.10E-01	TRUE
Snoring	LungCancer	rs9583546	G	C	-0.0059	0.0011	4.00E-08	0.0114	0.0124	3.57E-01	TRUE