

Table S1 F-statistics and R-squared values for the IVs used in the Mendelian randomization analysis

Phenotype	Beta	Se	P	N	SNP	Effect_allele	Other_allele	MAF	R2	F
asthma	-0.06166	0.007172	8.22E-18	56167	rs10178845	A	G	0.294552	0.00158	88.87284
asthma	0.074266	0.009797	3.44E-14	56167	rs10477741	G	T	0.128434	0.001235	69.4374
asthma	-0.03886	0.00665	5.13E-09	56167	rs10486391	G	A	0.410809	0.000731	41.08222
asthma	0.039258	0.00711	3.37E-08	56167	rs10912564	T	C	0.306507	0.000655	36.82253
asthma	0.041331	0.007111	6.17E-09	56167	rs11042902	T	C	0.307493	0.000727	40.88961
asthma	-0.08469	0.009765	4.21E-18	56167	rs11071559	T	C	0.128023	0.001601	90.07886
asthma	-0.04293	0.006647	1.06E-10	56167	rs11178649	T	G	0.407176	0.00089	50.00579
asthma	-0.07781	0.013809	1.76E-08	56167	rs112119265	G	T	0.059689	0.00068	38.19381
asthma	0.042884	0.007699	2.55E-08	56167	rs112267124	A	G	0.234223	0.00066	37.07755
asthma	-0.0614	0.010526	5.45E-09	56167	rs113981909	A	G	0.115023	0.000767	43.13647
asthma	-0.0451	0.007317	7.09E-10	56167	rs11742240	T	G	0.274601	0.00081	45.5479
asthma	0.079499	0.013807	8.51E-09	56167	rs117552144	T	C	0.066752	0.000787	44.26101
asthma	-0.12641	0.013395	3.84E-21	56167	rs117710327	A	C	0.066958	0.001997	112.3585
asthma	-0.04733	0.006981	1.20E-11	56167	rs11816044	A	G	0.325637	0.000984	55.3051
asthma	0.145713	0.015313	1.81E-21	56167	rs12123821	T	C	0.048173	0.001947	109.5722
asthma	-0.04514	0.008092	2.42E-08	56167	rs12165508	C	T	0.204932	0.000664	37.3251
asthma	-0.05354	0.008796	1.16E-09	56167	rs12365699	A	G	0.166687	0.000796	44.75372
asthma	0.107619	0.017652	1.08E-09	56167	rs12964116	G	A	0.035462	0.000792	44.53492
asthma	-0.04056	0.007326	3.09E-08	56167	rs13277355	G	A	0.274041	0.000655	36.78781
asthma	-0.09544	0.0066	2.14E-47	56167	rs1444782	A	G	0.423577	0.004448	250.964
asthma	0.059793	0.007891	3.52E-14	56167	rs17454584	G	A	0.218612	0.001221	68.68643
asthma	-0.04979	0.009066	3.96E-08	56167	rs1870140	G	A	0.154242	0.000647	36.35618
asthma	-0.06188	0.009629	1.30E-10	56167	rs2296618	G	A	0.135293	0.000896	50.36495
asthma	-0.0513	0.006627	9.89E-15	56167	rs2412099	A	G	0.42139	0.001283	72.16447
asthma	-0.03613	0.00656	3.64E-08	56167	rs2477923	C	T	0.463296	0.000649	36.48706
asthma	-0.03752	0.006849	4.29E-08	56167	rs2800040	A	G	0.406794	0.00068	38.19358
asthma	0.049732	0.007315	1.05E-11	56167	rs28498223	T	C	0.280804	0.000999	56.16247
asthma	-0.04413	0.006661	3.47E-11	56167	rs2995089	A	G	0.398551	0.000934	52.48506
asthma	0.043814	0.007023	4.42E-10	56167	rs35225972	A	G	0.317188	0.000832	46.74031
asthma	0.050945	0.006701	2.91E-14	56167	rs35570272	T	G	0.396277	0.001242	69.83459
asthma	0.0563	0.007163	3.85E-15	56167	rs3785356	T	C	0.29795	0.001326	74.57615
asthma	-0.03685	0.006567	2.02E-08	56167	rs3827780	A	G	0.444901	0.000671	37.69047
asthma	0.076738	0.00906	2.46E-17	56167	rs4099209	G	T	0.154294	0.001537	86.44844
asthma	-0.12353	0.01811	9.03E-12	56167	rs41283642	T	C	0.033698	0.000994	55.8749

Table S1 (continued)

Table S1 (continued)

Phenotype	Beta	Se	P	N	SNP	Effect_allele	Other_allele	MAF	R2	F
asthma	0.046933	0.006711	2.68E-12	56167	rs413214	A	G	0.383842	0.001042	58.58057
asthma	0.043097	0.006813	2.52E-10	56167	rs4480384	G	A	0.356743	0.000852	47.91824
asthma	-0.06791	0.006805	1.86E-23	56167	rs4739738	A	G	0.358428	0.002121	119.3874
asthma	-0.10255	0.006525	1.16E-55	56167	rs4795401	G	A	0.489385	0.005256	296.7767
asthma	0.040322	0.006556	7.70E-10	56167	rs479844	G	A	0.445257	0.000803	45.14799
asthma	-0.04071	0.006691	1.17E-09	56167	rs4842921	A	G	0.387483	0.000787	44.21769
asthma	0.103455	0.007693	3.18E-41	56167	rs56375023	A	G	0.237326	0.003875	218.4582
asthma	0.135284	0.018687	4.51E-13	56167	rs61816766	C	T	0.033244	0.001176	66.14974
asthma	0.043039	0.007648	1.83E-08	56167	rs7423358	C	T	0.241887	0.000679	38.18296
asthma	0.041555	0.007224	8.81E-09	56167	rs7770794	A	G	0.285802	0.000705	39.62194
asthma	0.050681	0.00923	3.99E-08	56167	rs78556180	T	G	0.146826	0.000644	36.16588
asthma	0.056485	0.009172	7.35E-10	56167	rs7961712	A	G	0.150099	0.000814	45.75786
asthma	-0.09633	0.008472	5.80E-30	56167	rs848	C	A	0.182128	0.002765	155.7122
asthma	0.058077	0.007137	4.04E-16	56167	rs912131	G	A	0.296113	0.001406	79.08231
asthma	-0.07008	0.006812	8.03E-25	56167	rs943689	T	C	0.354244	0.002247	126.4696
asthma	-0.11991	0.007562	1.25E-56	56167	rs992969	G	A	0.25236	0.005426	306.3889

IVs: Instrumental Variables; SNP: Single Nucleotide Polymorphism.