

Supplementary Table 1. Selected IVs in MR analysis

exposure	outcome	F-value	SNP	A1	A2	exposure				outcome					
						eaf	beta	se	pval	samplesize	eaf	beta	se	pval	
Type 1 diabetes	COVID-19 positive	199.98	rs1004707	T	C	0.225	0.107	0.019	4.31E-08	173981	0.222	0.012	0.015	0.435	98377
			rs10214237	C	T	0.274	-0.107	0.016	2.32E-11	173981	0.275	-0.007	0.014	0.607	98377
			rs1022674	C	A	0.226	0.107	0.017	4.61E-10	173981	0.242	0.012	0.015	0.423	98377
			rs1048055	A	C	0.340	-0.110	0.016	1.03E-11	173981	0.335	0.005	0.013	0.734	98377
			rs1063478	T	C	0.120	-0.365	0.024	3.15E-51	173981	0.119	0.021	0.019	0.272	98377
			rs11085725	T	C	0.294	-0.126	0.017	5.86E-14	173981	0.293	0.010	0.014	0.482	98377
			rs111552148	G	A	0.042	-0.328	0.039	4.97E-17	173981	0.039	-0.022	0.033	0.493	98377
			rs11203203	A	G	0.365	0.129	0.015	3.25E-17	173981	0.367	-0.010	0.013	0.454	98377
			rs1130191108	T	C	0.019	-0.544	0.055	5.03E-23	173981	0.017	-0.015	0.048	0.762	98377
			rs114898531	G	A	0.049	-0.211	0.035	9.03E-10	173981	0.048	-0.036	0.030	0.221	98377
			rs115018313	C	T	0.020	1.496	0.036	1.00E-200	173981	0.023	-0.054	0.042	0.196	98377
			rs115075841	T	C	0.072	-0.560	0.044	5.79E-38	173981	0.073	0.008	0.024	0.746	98377
			rs115256213	G	A	0.013	-0.586	0.090	6.60E-11	173981	0.014	-0.027	0.054	0.612	98377
			rs115892333	A	G	0.056	-0.583	0.041	7.37E-45	173981	0.058	0.029	0.027	0.283	98377
			rs11651753	T	C	0.428	-0.093	0.015	3.24E-10	173981	0.429	-0.010	0.013	0.445	98377
			rs118124843	T	C	0.017	-0.372	0.063	3.36E-09	173981	0.017	-0.079	0.048	0.102	98377
			rs11978267	G	A	0.282	-0.089	0.016	3.10E-08	173981	0.277	-0.011	0.014	0.424	98377
			rs12130424	C	T	0.073	0.166	0.026	2.12E-10	173981	0.080	-0.006	0.023	0.789	98377
			rs12175489	A	G	0.123	-0.354	0.022	2.09E-58	173981	0.119	0.045	0.020	0.024	98377
			rs12192673	G	T	0.046	-0.372	0.033	5.93E-30	173981	0.043	-0.072	0.031	0.019	98377
			rs12207915	C	T	0.057	-0.361	0.031	1.01E-30	173981	0.054	0.014	0.028	0.610	98377
			rs12215593	G	A	0.367	-0.158	0.016	3.37E-24	173981	0.364	-0.021	0.013	0.108	98377
			rs1233478	T	G	0.192	0.405	0.018	1.44E-108	173981	0.196	0.022	0.016	0.157	98377
			rs12506688	T	C	0.300	0.101	0.016	1.44E-10	173981	0.304	-0.007	0.014	0.584	98377
			rs12828640	A	G	0.416	0.104	0.015	2.80E-12	173981	0.421	-0.015	0.013	0.241	98377
			rs12927355	T	C	0.323	-0.155	0.016	7.29E-23	173981	0.322	0.008	0.013	0.567	98377
			rs12979891	C	T	0.468	-0.094	0.015	2.25E-10	173981	0.462	0.011	0.013	0.387	98377
			rs13212534	A	G	0.093	0.313	0.029	4.27E-27	173981	0.097	0.008	0.021	0.711	98377
			rs13523213	G	T	0.291	-0.135	0.021	6.60E-11	173981	0.285	0.030	0.014	0.030	98377
			rs144536316	A	G	0.016	0.452	0.055	3.40E-16	173981	0.017	-0.119	0.050	0.018	98377
			rs151233	T	C	0.131	0.164	0.024	7.46E-12	173981	0.130	0.004	0.019	0.821	98377
			rs1567473	C	T	0.147	0.413	0.022	2.48E-77	173981	0.145	0.019	0.018	0.288	98377
			rs1574285	G	T	0.408	0.103	0.015	1.69E-12	173981	0.400	0.006	0.013	0.639	98377
			rs1613191	A	G	0.017	0.579	0.052	2.78E-28	173981	0.017	-0.001	0.050	0.987	98377
			rs1615504	T	C	0.472	0.103	0.015	1.22E-12	173981	0.475	0.021	0.013	0.091	98377
			rs17179851	C	T	0.102	0.364	0.022	2.89E-63	173981	0.105	0.012	0.021	0.574	98377
			rs17207622	T	G	0.027	-0.625	0.061	1.48E-24	173981	0.026	-0.039	0.039	0.316	98377
			rs17630235	A	G	0.409	0.191	0.015	4.14E-38	173981	0.410	0.009	0.013	0.489	98377
			rs17652674	A	C	0.194	0.100	0.018	2.20E-08	173981	0.196	0.012	0.016	0.430	98377
			rs192321865	T	C	0.065	0.225	0.039	7.53E-09	173981	0.064	-0.049	0.026	0.057	98377
			rs1990760	C	T	0.395	-0.119	0.015	1.83E-15	173981	0.392	-0.010	0.013	0.450	98377
			rs1994565	G	T	0.293	-0.096	0.017	1.84E-08	173981	0.297	-0.013	0.014	0.339	98377
			rs204996	T	C	0.057	-0.969	0.058	9.32E-62	173981	0.060	-0.035	0.026	0.188	98377
			rs210211	G	A	0.104	-0.311	0.028	1.16E-29	173981	0.103	0.007	0.021	0.752	98377
			rs2212434	T	C	0.458	0.080	0.015	3.54E-08	173981	0.449	-0.002	0.013	0.884	98377
			rs2289702	T	C	0.101	-0.171	0.026	7.08E-11	173981	0.104	-0.004	0.020	0.854	98377
			rs2313430	C	T	0.482	-0.085	0.015	5.75E-09	173981	0.484	-0.005	0.012	0.695	98377
			rs2395471	A	G	0.355	-0.519	0.017	1.00E-200	173981	0.360	0.008	0.013	0.556	98377
			rs2414435	A	G	0.031	-0.783	0.074	5.05E-26	173981	0.033	-0.042	0.035	0.233	98377
			rs2476601	A	G	0.094	0.544	0.022	4.54E-135	173981	0.101	0.027	0.021	0.194	98377
			rs2499743	A	C	0.225	0.128	0.019	1.37E-11	173981	0.220	-0.008	0.016	0.613	98377
			rs2516698	A	G	0.052	-0.278	0.045	6.67E-10	173981	0.053	0.006	0.028	0.832	98377
			rs2844466	C	T	0.360	0.487	0.015	1.00E-200	173981	0.356	0.000	0.013	0.976	98377
			rs28746904	C	T	0.228	-0.944	0.024	1.00E-200	173981	0.242	-0.004	0.015	0.767	98377
			rs2893513	G	A	0.120	-0.467	0.026	1.28E-69	173981	0.123	0.002	0.019	0.912	98377
			rs3024505	A	G	0.159	-0.124	0.021	1.80E-09	173981	0.156	0.005	0.017	0.732	98377
			rs3087243	A	G	0.453	-0.148	0.015	3.70E-23	173981	0.450	0.003	0.013	0.819	98377
			rs3093971	A	G	0.103	0.765	0.026	6.25E-188	173981	0.101	0.040	0.021	0.052	98377
			rs3117244	A	G	0.127	-0.609	0.024	4.59E-142	173981	0.124	-0.004	0.019	0.850	98377
			rs3130363	G	A	0.141	0.560	0.022	3.00E-149	173981	0.142	0.008	0.018	0.673	98377
			rs3130666	A	G	0.041	-0.353	0.058	1.51E-09	173981	0.043	0.024	0.031	0.438	98377
			rs3134962	A	G	0.169	0.686	0.021	1.00E-200	173981	0.171	-0.010	0.017	0.528	98377
			rs3184504	T	C	0.487	0.218	0.015	4.62E-49	173981	0.484	-0.003	0.012	0.790	98377
			rs34864796	A	G	0.125	0.461	0.024	8.74E-82	173981	0.122	0.020	0.019	0.301	98377
			rs36104352	C	A	0.123	-0.155	0.025	6.17E-10	173981	0.121	-0.018	0.019	0.340	98377
			rs3763355	C	T	0.065	0.606	0.027	4.95E-113	173981	0.062	-0.029	0.026	0.262	98377
			rs3827505	C	T	0.167	-0.143	0.020	8.39E-13	173981	0.167	0.009	0.017	0.589	98377
			rs41265836	G	A	0.046	0.478	0.035	8.53E-42	173981	0.047	-0.013	0.030	0.677	98377
			rs41267086	A	G	0.049	-0.277	0.035	1.54E-15	173981	0.049	-0.041	0.029	0.153	98377
			rs41268924	A	G	0.061	0.211	0.038	1.96E-08	173981	0.058	-0.006	0.027	0.817	98377
			rs434943	A	G	0.331	-0.099	0.017	8.22E-09	173981	0.335	-0.004	0.013	0.762	98377
			rs45485691	A	G	0.275	0.107	0.016	5.53E-12	173981	0.272	-0.013	0.0		

rs6489856	A	C	0.309	0.112	0.016	2.54E-12	173981	0.309	-0.009	0.014	0.515	98377			
rs6912701	T	C	0.012	-0.518	0.075	4.67E-12	173981	0.014	0.096	0.054	0.077	98377			
rs6913182	T	C	0.170	-0.921	0.029	1.00E-200	173981	0.173	0.001	0.016	0.946	98377			
rs705704	A	G	0.339	0.196	0.015	1.89E-37	173981	0.342	-0.038	0.013	0.003	98377			
rs71565365	A	G	0.073	-0.201	0.028	1.29E-12	173981	0.075	0.052	0.024	0.028	98377			
rs7237497	T	C	0.165	0.177	0.020	1.17E-18	173981	0.165	-0.009	0.017	0.577	98377			
rs73069541	G	A	0.236	-0.107	0.018	3.07E-09	173981	0.235	0.013	0.015	0.367	98377			
rs73391152	T	G	0.055	-0.209	0.038	3.27E-08	173981	0.056	-0.005	0.027	0.846	98377			
rs73396583	C	T	0.102	-0.296	0.031	1.80E-21	173981	0.105	-0.005	0.020	0.795	98377			
rs73400833	T	C	0.020	-0.658	0.050	1.02E-39	173981	0.023	0.045	0.041	0.279	98377			
rs74969061	A	G	0.020	-0.286	0.049	7.29E-09	173981	0.022	0.050	0.043	0.246	98377			
rs75545083	T	C	0.053	-0.267	0.041	6.14E-11	173981	0.056	0.013	0.027	0.643	98377			
rs77154676	C	T	0.171	-0.134	0.023	6.60E-09	173981	0.168	0.027	0.017	0.107	98377			
rs773560	A	G	0.270	0.148	0.016	3.13E-19	173981	0.278	-0.001	0.014	0.964	98377			
rs775597	G	A	0.412	0.221	0.015	2.87E-51	173981	0.409	0.001	0.013	0.965	98377			
rs7772373	G	A	0.077	-0.406	0.042	1.44E-22	173981	0.075	-0.016	0.024	0.493	98377			
rs78354120	T	C	0.014	-0.429	0.071	1.16E-09	173981	0.013	0.054	0.055	0.329	98377			
rs8011031	G	A	0.276	0.090	0.015	5.95E-09	173981	0.282	-0.008	0.014	0.560	98377			
rs8013873	T	C	0.185	-0.163	0.023	4.77E-13	173981	0.181	0.000	0.016	0.976	98377			
rs8062123	T	G	0.315	0.114	0.017	3.60E-11	173981	0.320	-0.017	0.014	0.223	98377			
rs886997	T	C	0.093	-0.346	0.029	2.98E-33	173981	0.093	0.001	0.021	0.951	98377			
rs9258506	C	T	0.040	-0.374	0.039	7.90E-22	173981	0.038	-0.008	0.033	0.818	98377			
rs9261659	G	A	0.109	-0.161	0.027	4.74E-09	173981	0.112	0.002	0.020	0.933	98377			
rs9263827	T	C	0.044	0.724	0.033	1.13E-104	173981	0.049	0.043	0.029	0.141	98377			
rs9267808	A	G	0.013	1.421	0.042	1.00E-200	173981	0.015	0.070	0.051	0.173	98377			
rs9277195	C	T	0.492	-0.326	0.015	2.29E-101	173981	0.506	-0.004	0.013	0.764	98377			
rs9277990	G	A	0.190	0.180	0.023	7.88E-15	173981	0.189	-0.009	0.016	0.561	98377			
rs9295661	C	A	0.087	0.282	0.030	7.52E-21	173981	0.085	0.022	0.022	0.320	98377			
rs9366637	T	C	0.052	-0.182	0.027	1.06E-11	173981	0.054	-0.002	0.028	0.950	98377			
rs9380293	T	C	0.016	-0.774	0.057	1.94E-41	173981	0.017	-0.040	0.048	0.409	98377			
rs9405008	G	A	0.038	-0.238	0.041	5.31E-09	173981	0.035	-0.011	0.034	0.746	98377			
rs9461389	A	G	0.108	-0.161	0.022	1.68E-13	173981	0.107	-0.002	0.020	0.922	98377			
rs9517712	T	C	0.246	0.096	0.016	4.26E-09	173981	0.250	0.006	0.014	0.700	98377			
rs9911533	C	T	0.371	-0.087	0.015	5.14E-09	173981	0.365	0.002	0.013	0.892	98377			
rs9976073	C	T	0.262	-0.094	0.017	1.13E-08	173981	0.262	-0.011	0.014	0.448	98377			
type 1 diabetes	hospitalized COVID-19	201.15	rs1004707	T	C	0.225	0.107	0.019	4.31E-08	173981	0.222	0.047	0.037	0.203	16551
rs10214237	C	T	0.274	-0.107	0.016	2.32E-11	173981	0.273	-0.003	0.034	0.938	16551			
rs1022674	C	A	0.226	0.107	0.017	4.61E-10	173981	0.244	-0.068	0.036	0.060	16551			
rs1048055	A	C	0.340	-0.110	0.016	1.03E-11	173981	0.337	0.023	0.033	0.488	16551			
rs1063478	T	C	0.120	-0.365	0.024	3.51E-51	173981	0.121	-0.041	0.047	0.383	16551			
rs11085725	T	C	0.294	-0.126	0.017	5.86E-14	173981	0.295	0.013	0.034	0.700	16551			
rs111552148	G	A	0.042	-0.328	0.039	4.97E-17	173981	0.039	-0.080	0.082	0.330	16551			
rs11203203	A	G	0.365	0.129	0.015	3.25E-17	173981	0.365	0.046	0.032	0.151	16551			
rs113019108	T	C	0.019	-0.544	0.055	5.03E-23	173981	0.017	-0.232	0.120	0.053	16551			
rs114898531	G	A	0.049	-0.211	0.035	9.03E-10	173981	0.046	0.020	0.074	0.794	16551			
rs115018313	C	T	0.020	1.496	0.036	1.00E-200	173981	0.022	-0.136	0.105	0.193	16551			
rs115075841	T	C	0.072	-0.560	0.044	5.79E-38	173981	0.073	-0.030	0.059	0.617	16551			
rs115256213	G	A	0.013	-0.586	0.090	6.60E-11	173981	0.013	-0.016	0.135	0.903	16551			
rs115892333	A	G	0.056	-0.583	0.041	7.37E-45	173981	0.059	0.044	0.066	0.505	16551			
rs11651753	C	T	0.428	-0.093	0.015	3.24E-10	173981	0.427	0.025	0.031	0.414	16551			
rs118124843	T	C	0.017	-0.372	0.063	3.36E-09	173981	0.016	0.117	0.121	0.336	16551			
rs11978267	G	A	0.282	-0.089	0.016	3.10E-08	173981	0.275	-0.004	0.034	0.914	16551			
rs12130424	C	T	0.073	0.166	0.026	2.12E-10	173981	0.080	0.048	0.057	0.396	16551			
rs12175489	A	G	0.123	-0.354	0.022	2.09E-58	173981	0.122	0.050	0.048	0.302	16551			
rs12192673	G	T	0.046	-0.372	0.033	5.93E-30	173981	0.041	-0.094	0.079	0.235	16551			
rs12207915	C	T	0.057	-0.361	0.031	1.01E-30	173981	0.055	0.021	0.068	0.758	16551			
rs12215593	G	A	0.367	-0.158	0.016	3.37E-24	173981	0.360	0.006	0.032	0.857	16551			
rs1233478	T	G	0.192	0.405	0.018	1.44E-108	173981	0.200	0.033	0.039	0.395	16551			
rs12506688	T	C	0.300	0.101	0.016	1.44E-10	173981	0.303	0.043	0.033	0.200	16551			
rs12828640	A	G	0.416	0.104	0.015	2.80E-12	173981	0.417	-0.010	0.032	0.750	16551			
rs12927355	T	C	0.323	-0.155	0.016	7.29E-23	173981	0.323	-0.002	0.033	0.953	16551			
rs12979891	C	T	0.468	-0.094	0.015	2.25E-10	173981	0.464	0.025	0.031	0.417	16551			
rs13212534	A	G	0.093	0.313	0.029	4.27E-27	173981	0.098	-0.016	0.051	0.757	16551			
rs144536316	A	G	0.016	0.452	0.055	3.40E-16	173981	0.016	-0.018	0.130	0.892	16551			
rs151233	T	C	0.131	0.164	0.024	7.46E-12	173981	0.130	0.024	0.046	0.594	16551			
rs156743	C	T	0.147	0.413	0.022	2.48E-77	173981	0.149	-0.002	0.043	0.972	16551			
rs1574285	G	T	0.408	0.103	0.015	1.69E-12	173981	0.401	-0.056	0.032	0.078	16551			
rs1613191	A	G	0.017	0.579	0.052	2.78E-28	173981	0.017	0.235	0.125	0.060	16551			
rs1615504	T	C	0.472	0.103	0.015	1.22E-12	173981	0.479	0.070	0.031	0.023	16551			
rs17179851	C	T	0.102	0.364	0.022	2.89E-63	173981	0.106	-0.001	0.051	0.990	16551			
rs17207622	T	G	0.027	-0.625	0.061	1.48E-24	173981	0.026	-0.096	0.096	0.320	16551			
rs17630235	A	G	0.409	0.191	0.015	4.14E-38	173981	0.410	0.033	0.031	0.295	16551			
rs17652674	A	C	0.194	0.100	0.018	2.20E-08	173981	0.197	0.069	0.039	0.072	16551			
rs192321865	T	C	0.065	0.225	0.039	7.53E-09	173981	0.062	-0.049	0.065	0.453	16551			
rs1990760	C	T	0.395	-0.119	0.015	1.83E-15	173981	0.390	-0.029	0.032	0.366	16551			
rs1994565	G	T	0.293	-0.096	0.017	1.84E-08	173981	0.295	-0.010	0.034	0.760	16551			
rs204996	T	C	0.057	-0.969	0.058	9.32E-62	173981	0.058	-0.061	0.066	0.353	16551			
rs210211	G	A	0.104	-0.311	0.028	1.16E-29	173981	0.104	0.087	0.050	0.083	16551			
rs2121434	T	C	0.458	0.080	0.015	3.54E-08	173981	0.449	0.034	0.031	0.268	16551			
rs2289702	T	C	0.101	-0.171	0.026	7.08E-11	173981	0.104	0.020	0.051	0.694	16551			
rs2313430	C	T	0.482	-0.085	0.015	7.57E-09	173981	0.483	0.004	0.031	0.907	16551			
rs2395471	A	G	0.355	-0.519	0.017	1.00E-200	173981	0.360	-0.014	0.032	0.654	16551			
rs241435	A	G	0.031	-0.783	0.074	5.05E-26	173981	0.031	-0.121	0.090	0.179	16551			
rs2476601	A	G	0.094	0.544	0.022	4.54E-135	173981	0.103	0.028	0.050	0.570	16551			
rs2499743	A	C	0.225	0.128	0.019	1.37E-11	173981	0.219	0.002	0.039	0.961	16551			
rs2516698	A	G	0.052	-0.278	0.045	6.67E-10	173981	0.053	-0.047	0.069	0.496	16551			
rs2844466	C	T	0.360	0.487	0.015	1.00E-200	173981	0.357	-0.004	0.032	0.894	16551			
rs28746904	C	T	0.228	-0.944	0.024	1.00E-200	173981	0.241	-0.024	0.036	0.500	16551			
rs28893513	G	A	0.120	-0.467	0.026	1.28E-69	173981	0.123	0.053	0.047	0.263	16551			
rs3024505	A	G	0.159	-0.124	0.021	1.80E-09	173981	0.157	0.040	0.042	0.347	16551			
rs3087243	A	G	0.453	-0.148	0.015	3.70E-23	173981	0.451	-0.015	0.031	0.637	16551			
rs3093971	A	G													

type 1 diabetes	severe COVID-19	201.15	rs3117244	A	G	0.127	-0.609	0.024	4.59E-142	173981	0.124	-0.072	0.047	0.126	16551
			rs3130363	G	A	0.141	0.560	0.022	3.00E-149	173981	0.144	0.011	0.044	0.800	16551
type 1 diabetes	severe COVID-19	201.15	rs3130666	A	G	0.041	-0.353	0.058	1.51E-09	173981	0.043	-0.101	0.076	0.183	16551
			rs3134962	A	G	0.169	0.686	0.021	1.00E-200	173981	0.171	0.039	0.041	0.349	16551
type 1 diabetes	severe COVID-19	201.15	rs3184504	T	C	0.487	0.218	0.015	4.62E-49	173981	0.483	0.003	0.031	0.929	16551
			rs34864796	A	G	0.125	0.461	0.024	8.74E-82	173981	0.125	0.000	0.047	0.999	16551
type 1 diabetes	severe COVID-19	201.15	rs36104352	C	A	0.123	-0.155	0.025	6.17E-10	173981	0.119	0.031	0.047	0.508	16551
			rs3763355	C	T	0.065	0.606	0.027	4.95E-113	173981	0.060	-0.007	0.065	0.915	16551
type 1 diabetes	severe COVID-19	201.15	rs3827505	C	T	0.167	-0.143	0.020	8.39E-13	173981	0.167	-0.060	0.041	0.146	16551
			rs41265836	G	A	0.046	0.478	0.035	8.53E-42	173981	0.046	0.008	0.076	0.921	16551
type 1 diabetes	severe COVID-19	201.15	rs41267086	A	G	0.049	-0.277	0.035	1.54E-15	173981	0.047	-0.122	0.072	0.091	16551
			rs41268924	A	G	0.061	0.211	0.038	1.96E-08	173981	0.058	-0.010	0.067	0.878	16551
type 1 diabetes	severe COVID-19	201.15	rs434943	A	G	0.331	-0.099	0.017	8.22E-09	173981	0.335	-0.006	0.032	0.858	16551
			rs45485691	A	G	0.275	0.107	0.016	5.53E-12	173981	0.269	-0.021	0.035	0.539	16551
type 1 diabetes	severe COVID-19	201.15	rs4804000	A	G	0.188	-0.131	0.019	1.27E-11	173981	0.192	-0.052	0.039	0.183	16551
			rs4947258	G	A	0.121	0.705	0.023	1.00E-200	173981	0.122	-0.011	0.047	0.823	16551
type 1 diabetes	severe COVID-19	201.15	rs537544	C	T	0.384	0.087	0.015	8.37E-09	173981	0.375	-0.032	0.032	0.317	16551
			rs542907	A	G	0.439	-0.081	0.015	3.96E-08	173981	0.446	-0.028	0.031	0.366	16551
type 1 diabetes	severe COVID-19	201.15	rs55844831	G	A	0.041	0.588	0.031	3.09E-82	173981	0.038	-0.034	0.081	0.677	16551
			rs56100858	T	C	0.011	0.728	0.047	2.92E-55	173981	0.013	-0.032	0.133	0.809	16551
type 1 diabetes	severe COVID-19	201.15	rs56111713	T	G	0.008	0.493	0.081	9.84E-10	173981	0.008	0.233	0.177	0.189	16551
			rs56302826	G	T	0.032	-0.403	0.046	1.82E-18	173981	0.031	0.019	0.090	0.829	16551
type 1 diabetes	severe COVID-19	201.15	rs5763842	A	G	0.383	0.150	0.015	1.49E-23	173981	0.396	0.064	0.032	0.043	16551
			rs58223158	G	A	0.034	0.329	0.038	3.48E-18	173981	0.037	-0.013	0.082	0.878	16551
type 1 diabetes	severe COVID-19	201.15	rs6000602	A	C	0.237	0.102	0.018	6.16E-09	173981	0.230	0.008	0.036	0.826	16551
			rs60888743	G	A	0.252	-0.137	0.017	9.82E-16	173981	0.264	0.020	0.035	0.565	16551
type 1 diabetes	severe COVID-19	201.15	rs61839660	T	C	0.102	-0.371	0.031	3.49E-32	173981	0.097	-0.021	0.052	0.685	16551
			rs62397629	A	C	0.052	-0.217	0.034	1.31E-10	173981	0.054	-0.173	0.070	0.013	16551
type 1 diabetes	severe COVID-19	201.15	rs62407529	T	C	0.060	-0.344	0.036	1.12E-21	173981	0.053	0.050	0.071	0.481	16551
			rs62621992	T	C	0.016	0.675	0.055	1.21E-34	173981	0.018	0.192	0.119	0.105	16551
type 1 diabetes	severe COVID-19	201.15	rs6457109	C	T	0.090	0.173	0.023	4.41E-14	173981	0.094	-0.015	0.053	0.782	16551
			rs6489856	A	C	0.309	0.112	0.016	2.54E-12	173981	0.307	0.009	0.033	0.795	16551
type 1 diabetes	severe COVID-19	201.15	rs6912701	T	C	0.012	-0.518	0.075	4.67E-12	173981	0.015	0.013	0.129	0.922	16551
			rs6913182	T	C	0.170	-0.921	0.029	1.00E-200	173981	0.173	0.062	0.041	0.133	16551
type 1 diabetes	severe COVID-19	201.15	rs705704	A	G	0.339	0.196	0.015	1.89E-37	173981	0.334	0.014	0.033	0.666	16551
			rs71565365	A	G	0.073	-0.201	0.028	1.29E-12	173981	0.077	0.041	0.057	0.466	16551
type 1 diabetes	severe COVID-19	201.15	rs7237497	T	C	0.165	0.177	0.020	1.17E-18	173981	0.164	0.056	0.042	0.184	16551
			rs73069541	G	A	0.236	-0.107	0.018	3.07E-09	173981	0.237	-0.004	0.036	0.910	16551
type 1 diabetes	severe COVID-19	201.15	rs73391152	T	G	0.055	-0.209	0.038	3.27E-08	173981	0.056	-0.037	0.067	0.576	16551
			rs73396583	C	T	0.102	-0.296	0.031	1.80E-21	173981	0.105	-0.005	0.050	0.918	16551
type 1 diabetes	severe COVID-19	201.15	rs73400833	T	C	0.020	-0.658	0.050	1.02E-39	173981	0.024	-0.179	0.101	0.076	16551
			rs74969061	A	G	0.020	-0.286	0.049	7.29E-09	173981	0.023	0.031	0.104	0.765	16551
type 1 diabetes	severe COVID-19	201.15	rs75545083	T	C	0.053	-0.267	0.041	6.14E-11	173981	0.057	-0.012	0.067	0.859	16551
			rs77154676	C	T	0.171	-0.134	0.023	6.60E-09	173981	0.171	0.026	0.041	0.530	16551
type 1 diabetes	severe COVID-19	201.15	rs7733560	A	G	0.270	0.148	0.016	3.13E-19	173981	0.278	-0.006	0.034	0.860	16551
			rs7755997	G	A	0.412	0.221	0.015	2.87E-51	173981	0.409	-0.015	0.031	0.640	16551
type 1 diabetes	severe COVID-19	201.15	rs7772373	G	A	0.077	-0.406	0.042	1.44E-22	173981	0.074	0.029	0.058	0.614	16551
			rs78354120	T	C	0.014	-0.429	0.071	1.16E-09	173981	0.014	0.187	0.132	0.155	16551
type 1 diabetes	severe COVID-19	201.15	rs8011031	G	A	0.276	0.090	0.015	5.95E-09	173981	0.281	-0.042	0.035	0.224	16551
			rs8013873	T	C	0.185	-0.163	0.023	4.77E-13	173981	0.181	-0.007	0.040	0.872	16551
type 1 diabetes	severe COVID-19	201.15	rs8062123	T	G	0.315	0.114	0.017	3.60E-11	173981	0.317	0.034	0.034	0.315	16551
			rs886997	T	C	0.093	-0.346	0.029	2.98E-33	173981	0.093	0.006	0.053	0.908	16551
type 1 diabetes	severe COVID-19	201.15	rs9258506	T	C	0.040	-0.374	0.039	7.90E-22	173981	0.037	-0.047	0.081	0.563	16551
			rs9261659	G	A	0.109	-0.161	0.027	4.74E-09	173981	0.112	0.014	0.050	0.777	16551
type 1 diabetes	severe COVID-19	201.15	rs9263827	T	C	0.044	0.724	0.033	1.13E-104	173981	0.051	0.035	0.070	0.618	16551
			rs9267808	A	G	0.013	1.421	0.042	1.00E-200	173981	0.016	-0.061	0.119	0.610	16551
type 1 diabetes	severe COVID-19	201.15	rs9277195	C	T	0.492	-0.326	0.015	2.29E-101	173981	0.506	0.036	0.031	0.244	16551
			rs9277990	G	A	0.190	0.180	0.023	7.88E-15	173981	0.187	0.024	0.040	0.542	16551
type 1 diabetes	severe COVID-19	201.15	rs9295661	C	A	0.087	0.282	0.030	7.52E-21	173981	0.087	-0.068	0.054	0.212	16551
			rs9366637	T	C	0.052	-0.182	0.027	1.06E-11	173981	0.054	0.064	0.069	0.351	16551
type 1 diabetes	severe COVID-19	201.15	rs9380293	T	C	0.016	-0.774	0.057	1.94E-41	173981	0.016	0.083	0.122	0.497	16551

rs12979891	C	T	0.468	-0.094	0.015	2.25E-10	173981	0.464	0.081	0.047	0.083	15815
rs13212534	A	G	0.093	0.313	0.029	4.27E-27	173981	0.098	0.176	0.077	0.022	15815
rs144536316	A	G	0.016	0.452	0.055	3.40E-16	173981	0.015	-0.277	0.197	0.159	15815
rs151233	T	C	0.131	0.164	0.024	7.46E-12	173981	0.130	0.001	0.069	0.986	15815
rs156743	C	T	0.147	0.413	0.022	2.48E-77	173981	0.149	0.079	0.065	0.223	15815
rs1574285	G	T	0.408	0.103	0.015	1.69E-12	173981	0.401	-0.048	0.047	0.314	15815
rs1613191	A	G	0.017	0.579	0.052	2.78E-28	173981	0.017	0.324	0.188	0.084	15815
rs1615504	T	C	0.472	0.103	0.015	1.22E-12	173981	0.478	0.025	0.047	0.592	15815
rs17179851	C	T	0.102	0.364	0.022	2.89E-63	173981	0.106	-0.039	0.077	0.616	15815
rs17207622	T	G	0.027	-0.625	0.061	1.48E-24	173981	0.026	-0.185	0.142	0.193	15815
rs17630235	A	G	0.409	0.191	0.015	4.14E-38	173981	0.410	0.007	0.047	0.878	15815
rs17652674	A	C	0.194	0.100	0.018	2.20E-08	173981	0.198	0.027	0.058	0.637	15815
rs192321865	T	C	0.065	0.225	0.039	7.53E-09	173981	0.061	-0.107	0.099	0.278	15815
rs1990760	C	T	0.395	-0.119	0.015	1.83E-15	173981	0.390	0.008	0.048	0.870	15815
rs1994565	G	T	0.293	-0.096	0.017	1.84E-08	173981	0.295	0.011	0.051	0.833	15815
rs204996	T	C	0.057	-0.969	0.058	9.32E-62	173981	0.059	-0.114	0.100	0.255	15815
rs210211	G	A	0.104	-0.311	0.028	1.16E-29	173981	0.103	0.043	0.076	0.568	15815
rs2212434	T	C	0.458	0.080	0.015	3.54E-08	173981	0.449	-0.032	0.047	0.492	15815
rs2289702	T	C	0.101	-0.171	0.026	7.08E-11	173981	0.103	-0.020	0.076	0.789	15815
rs2313430	C	T	0.482	-0.085	0.015	5.75E-09	173981	0.482	-0.004	0.046	0.924	15815
rs2395471	A	G	0.355	-0.519	0.017	1.00E-200	173981	0.362	-0.015	0.048	0.757	15815
rs241435	A	G	0.031	-0.783	0.074	5.05E-26	173981	0.031	-0.018	0.137	0.892	15815
rs2476601	A	G	0.094	0.544	0.022	4.54E-135	173981	0.103	-0.025	0.075	0.736	15815
rs2499743	A	C	0.225	0.128	0.019	1.37E-11	173981	0.219	0.079	0.058	0.177	15815
rs2516698	A	G	0.052	-0.278	0.045	6.67E-10	173981	0.053	-0.025	0.105	0.813	15815
rs2844466	C	T	0.360	0.487	0.015	1.00E-200	173981	0.357	0.045	0.049	0.350	15815
rs28746904	C	T	0.228	-0.944	0.024	1.00E-200	173981	0.241	-0.010	0.055	0.848	15815
rs28893513	G	A	0.120	-0.467	0.026	1.28E-69	173981	0.124	-0.013	0.071	0.857	15815
rs3024505	A	G	0.159	-0.124	0.021	1.80E-09	173981	0.156	0.067	0.063	0.290	15815
rs3087243	A	G	0.453	-0.148	0.015	3.70E-23	173981	0.451	-0.056	0.047	0.231	15815
rs3093971	A	G	0.103	0.765	0.026	6.25E-188	173981	0.104	-0.132	0.076	0.080	15815
rs3117244	A	G	0.127	-0.609	0.024	4.59E-142	173981	0.124	-0.165	0.071	0.020	15815
rs3130363	G	A	0.141	0.560	0.022	3.00E-149	173981	0.144	0.077	0.066	0.243	15815
rs3130666	A	G	0.041	-0.353	0.058	1.51E-09	173981	0.043	-0.130	0.115	0.260	15815
rs3134962	A	G	0.169	0.686	0.021	1.00E-200	173981	0.170	0.091	0.062	0.144	15815
rs3184504	T	C	0.487	0.218	0.015	4.62E-49	173981	0.482	0.010	0.047	0.826	15815
rs34864796	A	G	0.125	0.461	0.024	8.74E-82	173981	0.125	0.122	0.069	0.080	15815
rs36104352	C	A	0.123	-0.155	0.025	6.17E-10	173981	0.119	0.006	0.071	0.932	15815
rs3763355	C	T	0.065	0.606	0.027	4.95E-113	173981	0.060	0.089	0.098	0.364	15815
rs3827505	C	T	0.167	-0.143	0.020	8.39E-13	173981	0.167	-0.064	0.062	0.301	15815
rs41265836	G	A	0.046	0.478	0.035	8.53E-42	173981	0.045	0.144	0.115	0.213	15815
rs41267086	A	G	0.049	-0.277	0.035	1.54E-15	173981	0.047	-0.027	0.108	0.802	15815
rs41268924	A	G	0.061	0.211	0.038	1.96E-08	173981	0.057	-0.125	0.100	0.213	15815
rs434943	A	G	0.331	-0.099	0.017	8.22E-09	173981	0.335	-0.032	0.049	0.519	15815
rs45485691	A	G	0.275	0.107	0.016	5.53E-12	173981	0.269	0.043	0.052	0.413	15815
rs4804000	A	G	0.188	-0.131	0.019	1.27E-11	173981	0.191	0.004	0.059	0.943	15815
rs4947258	G	A	0.121	0.705	0.023	1.00E-200	173981	0.122	0.079	0.071	0.269	15815
rs537544	C	T	0.384	0.087	0.015	8.37E-09	173981	0.375	0.007	0.048	0.880	15815
rs542907	A	G	0.439	-0.081	0.015	3.96E-08	173981	0.445	-0.025	0.047	0.586	15815
rs55844831	G	A	0.041	0.588	0.031	3.09E-82	173981	0.038	-0.045	0.121	0.708	15815
rs56100858	T	C	0.011	0.728	0.047	2.92E-55	173981	0.013	-0.026	0.198	0.894	15815
rs56111713	T	G	0.008	0.493	0.081	9.84E-10	173981	0.008	0.156	0.270	0.564	15815
rs56302826	G	T	0.032	-0.403	0.046	1.82E-18	173981	0.031	-0.195	0.136	0.151	15815
rs5763842	A	G	0.383	0.150	0.015	1.49E-23	173981	0.396	0.043	0.048	0.364	15815
rs58223158	G	A	0.034	0.329	0.038	3.48E-18	173981	0.037	0.222	0.123	0.072	15815
rs6000602	A	C	0.237	0.102	0.018	6.16E-09	173981	0.230	-0.002	0.054	0.967	15815
rs60888743	G	A	0.252	-0.137	0.017	9.82E-16	173981	0.264	0.061	0.053	0.247	15815
rs61839660	T	C	0.102	-0.371	0.031	3.49E-32	173981	0.097	-0.013	0.080	0.868	15815
rs62397629	A	C	0.052	-0.217	0.034	1.31E-10	173981	0.053	-0.233	0.105	0.026	15815
rs62407529	T	C	0.060	-0.344	0.036	1.12E-21	173981	0.053	0.139	0.106	0.189	15815
rs62621992	T	C	0.016	0.675	0.055	1.21E-34	173981	0.018	0.222	0.178	0.213	15815
rs6457109	C	T	0.090	0.173	0.023	4.41E-14	173981	0.094	-0.063	0.080	0.436	15815
rs6489856	A	C	0.309	0.112	0.016	2.54E-12	173981	0.306	-0.090	0.051	0.076	15815
rs6912701	T	C	0.012	-0.518	0.075	4.67E-12	173981	0.014	0.007	0.194	0.971	15815
rs6913182	T	C	0.170	-0.921	0.029	1.00E-200	173981	0.173	-0.136	0.062	0.030	15815
rs705704	A	G	0.339	0.196	0.015	1.89E-37	173981	0.334	0.058	0.049	0.243	15815
rs71563565	A	G	0.073	-0.201	0.028	1.29E-12	173981	0.077	0.073	0.086	0.396	15815
rs7237497	T	C	0.165	0.177	0.020	1.17E-18	173981	0.164	0.163	0.063	0.010	15815
rs73069541	G	A	0.236	-0.107	0.018	3.07E-09	173981	0.237	0.027	0.055	0.627	15815
rs73391152	T	G	0.055	-0.209	0.038	3.27E-08	173981	0.056	0.067	0.101	0.506	15815
rs73396583	C	T	0.102	-0.296	0.031	1.80E-21	173981	0.105	0.035	0.075	0.647	15815
rs73400833	T	C	0.020	-0.658	0.050	1.02E-39	173981	0.024	-0.140	0.149	0.349	15815
rs74969061	A	G	0.020	-0.286	0.049	7.29E-09	173981	0.023	0.020	0.156	0.896	15815
rs75545083	T	C	0.053	-0.267	0.041	6.14E-11	173981	0.057	-0.120	0.102	0.239	15815
rs77154676	C	T	0.171	-0.134	0.023	6.60E-09	173981	0.171	-0.020	0.062	0.743	15815
rs7733560	A	G	0.270	0.148	0.016	3.13E-19	173981	0.277	-0.031	0.051	0.550	15815
rs7755997	G	A	0.412	0.221	0.015	2.87E-51	173981	0.409	0.009	0.047	0.841	15815
rs7772373	G	A	0.077	-0.406	0.042	1.44E-22	173981	0.074	0.071	0.088	0.423	15815
rs78354120	T	C	0.014	-0.429	0.071	1.16E-09	173981	0.014	0.227	0.197	0.248	15815
rs8011031	G	A	0.276	0.090	0.015	5.95E-09	173981	0.280	0.087	0.052	0.096	15815
rs8013873	T	C	0.185	-0.163	0.023	4.77E-13	173981	0.182	-0.028	0.061	0.640	15815
rs8062123	T	G	0.315	0.114								

type 1 diabetes	COVID-19 death	201.15	rs9405008	G	A	0.038	-0.238	0.041	5.31E-09	173981	0.034	0.069	0.130	0.593	15815
			rs9461389	A	G	0.108	-0.161	0.022	1.68E-13	173981	0.107	0.067	0.076	0.375	15815
type 1 diabetes	COVID-19 death	201.15	rs9517712	T	C	0.246	0.096	0.016	4.26E-09	173981	0.251	0.014	0.053	0.798	15815
			rs9911533	C	T	0.371	-0.087	0.015	5.14E-09	173981	0.365	0.019	0.048	0.686	15815
type 1 diabetes	COVID-19 death	201.15	rs9976073	C	T	0.262	-0.094	0.017	1.13E-08	173981	0.261	-0.019	0.053	0.726	15815
			rs1004707	T	C	0.225	0.107	0.019	4.31E-08	173981	0.223	0.041	0.059	0.483	15815
type 1 diabetes	COVID-19 death	201.15	rs10214237	C	T	0.274	-0.107	0.016	2.32E-11	173981	0.273	-0.057	0.055	0.296	15815
			rs1022674	C	A	0.226	0.107	0.017	4.61E-10	173981	0.243	-0.015	0.057	0.788	15815
type 1 diabetes	COVID-19 death	201.15	rs1048055	A	C	0.340	-0.110	0.016	1.03E-11	173981	0.337	-0.034	0.052	0.510	15815
			rs1063478	T	C	0.120	-0.365	0.024	3.15E-51	173981	0.121	-0.007	0.074	0.921	15815
type 1 diabetes	COVID-19 death	201.15	rs11085725	T	C	0.294	-0.126	0.017	5.86E-14	173981	0.294	0.112	0.054	0.038	15815
			rs111552148	G	A	0.042	-0.328	0.039	4.97E-17	173981	0.039	-0.187	0.131	0.154	15815
type 1 diabetes	COVID-19 death	201.15	rs11203203	A	G	0.365	0.129	0.015	3.25E-17	173981	0.365	0.013	0.051	0.794	15815
			rs113019108	T	C	0.019	-0.544	0.055	5.03E-23	173981	0.017	-0.387	0.194	0.046	15815
type 1 diabetes	COVID-19 death	201.15	rs114898531	G	A	0.049	-0.211	0.035	9.03E-10	173981	0.047	-0.138	0.116	0.235	15815
			rs115018313	C	T	0.020	1.496	0.036	1.00E-200	173981	0.022	-0.131	0.166	0.429	15815
type 1 diabetes	COVID-19 death	201.15	rs115075841	T	C	0.072	-0.560	0.044	5.79E-38	173981	0.073	-0.004	0.094	0.970	15815
			rs115256213	G	A	0.013	-0.586	0.090	6.60E-11	173981	0.014	0.104	0.219	0.633	15815
type 1 diabetes	COVID-19 death	201.15	rs115892333	A	G	0.056	-0.583	0.041	7.37E-45	173981	0.059	-0.145	0.106	0.173	15815
			rs11651753	T	C	0.428	-0.093	0.015	3.24E-10	173981	0.427	-0.009	0.049	0.851	15815
type 1 diabetes	COVID-19 death	201.15	rs118124843	T	C	0.017	-0.372	0.063	3.36E-09	173981	0.016	0.055	0.190	0.773	15815
			rs11978267	G	A	0.282	-0.089	0.016	3.10E-08	173981	0.275	0.033	0.054	0.550	15815
type 1 diabetes	COVID-19 death	201.15	rs12130424	C	T	0.073	0.166	0.026	2.12E-10	173981	0.080	-0.005	0.091	0.959	15815
			rs12175489	A	G	0.123	-0.354	0.022	2.09E-58	173981	0.123	-0.065	0.077	0.397	15815
type 1 diabetes	COVID-19 death	201.15	rs12192673	G	T	0.046	-0.372	0.033	5.93E-30	173981	0.041	-0.159	0.126	0.207	15815
			rs12207915	C	T	0.057	-0.361	0.031	1.01E-30	173981	0.054	-0.017	0.109	0.878	15815
type 1 diabetes	COVID-19 death	201.15	rs12215593	G	A	0.367	-0.158	0.016	3.37E-24	173981	0.360	0.024	0.052	0.645	15815
			rs1233478	T	G	0.192	0.405	0.018	1.44E-108	173981	0.199	0.098	0.061	0.108	15815
type 1 diabetes	COVID-19 death	201.15	rs12506688	T	C	0.300	0.101	0.016	1.44E-10	173981	0.303	-0.006	0.053	0.904	15815
			rs12828640	A	G	0.416	0.104	0.015	2.80E-12	173981	0.418	-0.010	0.051	0.836	15815
type 1 diabetes	COVID-19 death	201.15	rs1297355	T	C	0.323	-0.155	0.016	7.29E-23	173981	0.324	-0.023	0.053	0.657	15815
			rs12979891	C	T	0.468	-0.094	0.015	2.25E-10	173981	0.464	0.063	0.050	0.202	15815
type 1 diabetes	COVID-19 death	201.15	rs13212534	A	G	0.093	0.313	0.029	4.27E-27	173981	0.098	0.240	0.081	0.003	15815
			rs144536316	A	G	0.016	0.452	0.055	3.40E-16	173981	0.015	-0.319	0.207	0.124	15815
type 1 diabetes	COVID-19 death	201.15	rs151233	T	C	0.131	0.164	0.024	7.46E-12	173981	0.130	0.008	0.073	0.932	15815
			rs156743	C	T	0.147	0.413	0.022	2.48E-77	173981	0.149	0.090	0.069	0.189	15815
type 1 diabetes	COVID-19 death	201.15	rs1574285	G	T	0.408	0.103	0.015	1.69E-12	173981	0.401	-0.034	0.050	0.503	15815
			rs1613191	A	G	0.017	0.579	0.052	2.78E-28	173981	0.017	0.321	0.199	0.107	15815
type 1 diabetes	COVID-19 death	201.15	rs1615504	T	C	0.472	0.103	0.015	1.22E-12	173981	0.478	0.037	0.050	0.457	15815
			rs17179851	C	T	0.102	0.364	0.022	2.89E-63	173981	0.106	-0.022	0.082	0.787	15815
type 1 diabetes	COVID-19 death	201.15	rs17207622	T	G	0.027	-0.625	0.061	1.48E-24	173981	0.026	-0.157	0.150	0.296	15815
			rs17630235	A	G	0.409	0.191	0.015	4.14E-38	173981	0.410	0.024	0.050	0.637	15815
type 1 diabetes	COVID-19 death	201.15	rs17652674	A	C	0.194	0.100	0.018	2.20E-08	173981	0.198	0.016	0.061	0.791	15815
			rs192321865	T	C	0.065	0.225	0.039	7.53E-09	173981	0.061	-0.092	0.104	0.379	15815
type 1 diabetes	COVID-19 death	201.15	rs1990760	C	T	0.395	-0.119	0.015	1.83E-15	173981	0.390	-0.016	0.051	0.759	15815
			rs1994565	G	T	0.293	-0.096	0.017	1.84E-08	173981	0.295	0.020	0.054	0.703	15815
type 1 diabetes	COVID-19 death	201.15	rs204996	T	C	0.057	-0.969	0.058	9.32E-62	173981	0.059	-0.069	0.105	0.510	15815
			rs210211	G	A	0.104	-0.311	0.028	1.16E-29	173981	0.103	0.055	0.080	0.496	15815
type 1 diabetes	COVID-19 death	201.15	rs2212434	T	C	0.458	0.080	0.015	3.54E-08	173981	0.449	-0.023	0.049	0.636	15815
			rs2289702	T	C	0.101	-0.171	0.026	7.08E-11	173981	0.103	-0.026	0.080	0.749	15815
type 1 diabetes	COVID-19 death	201.15	rs2313430	C	T	0.482	-0.085	0.015	5.75E-09	173981	0.482	0.004	0.049	0.930	15815
			rs2395471	A	G	0.355	-0.519	0.017	1.00E-200	173981	0.362	0.000	0.051	0.910	15815
type 1 diabetes	COVID-19 death	201.15	rs2414435	A	G	0.031	-0.783	0.074	5.05E-26	173981	0.031	-0.018	0.144	0.899	15815
			rs2476601	A	G	0.094	0.544	0.022	4.54E-135	173981	0.103	0.015	0.079	0.855	15815
type 1 diabetes	COVID-19 death	201.15	rs2499743	A	C	0.225	0.128	0.019	1.37E-11	173981	0.219	0.089	0.062	0.148	15815
			rs2516698	A	G	0.052	-0.278	0.045	6.67E-10	173981	0.053	-0.005	0.111	0.967	15815
type 1 diabetes	COVID-19 death	201.15	rs2844466	C	T	0.360	0.487	0.015	1.00E-200	173981	0.357	0.040	0.051	0.431	15815
			rs28746904	C	T	0.228	-0.944	0.024	1.00E-200	173981	0.241	-0.005	0.058	0.931	15815
type 1 diabetes	COVID-19 death	201.15	rs28893513	G	A	0.120	-0.467	0.026	1.28E-69	173981	0.124	0.007	0.075	0.928	15815
			rs3024505	A	G	0.159	-0.124	0.021	1.80E-09	173981	0.156	0.108	0.067	0.106	15815
type 1 diabetes	COVID-19 death	201.15	rs3087243	A	G	0.453	-0.148	0.015	3.70E-23	173981	0.451	-0.063	0.049	0.203	15815
			rs3093971	A											

rs6457109	C	T	0.090	0.173	0.023	4.41E-14	173981	0.094	-0.058	0.085	0.496	15815							
rs6489856	A	C	0.309	0.112	0.016	2.54E-12	173981	0.306	-0.077	0.053	0.146	15815							
rs6912701	T	C	0.012	-0.518	0.075	4.67E-12	173981	0.014	0.010	0.206	0.961	15815							
rs6913182	T	C	0.170	-0.921	0.029	1.00E-200	173981	0.173	-0.137	0.066	0.038	15815							
rs705704	A	G	0.339	0.196	0.015	1.89E-37	173981	0.334	0.079	0.052	0.130	15815							
rs71563365	A	G	0.073	-0.201	0.028	1.29E-12	173981	0.077	0.084	0.090	0.351	15815							
rs7237497	T	C	0.165	0.177	0.020	1.17E-18	173981	0.164	0.188	0.067	0.005	15815							
rs73069541	G	A	0.236	-0.107	0.018	3.07E-09	173981	0.237	0.041	0.058	0.480	15815							
rs73391152	T	G	0.055	-0.209	0.038	3.27E-08	173981	0.056	0.081	0.106	0.445	15815							
rs73396583	C	T	0.102	-0.296	0.031	1.80E-21	173981	0.105	0.044	0.080	0.581	15815							
rs73400833	T	C	0.020	-0.658	0.050	1.02E-39	173981	0.024	-0.180	0.157	0.253	15815							
rs74969061	A	G	0.020	-0.286	0.049	7.29E-09	173981	0.023	0.007	0.165	0.966	15815							
rs75545083	T	C	0.053	-0.267	0.041	6.14E-11	173981	0.057	-0.088	0.108	0.416	15815							
rs77154676	C	T	0.171	-0.134	0.023	6.60E-09	173981	0.171	-0.034	0.065	0.598	15815							
rs773560	A	G	0.270	0.148	0.016	3.13E-19	173981	0.277	-0.051	0.054	0.347	15815							
rs7755997	G	A	0.412	0.221	0.015	2.87E-51	173981	0.409	0.030	0.050	0.546	15815							
rs7772373	G	A	0.077	-0.406	0.042	1.44E-22	173981	0.074	0.043	0.093	0.644	15815							
rs78354120	T	C	0.014	-0.429	0.071	1.16E-09	173981	0.014	0.227	0.207	0.273	15815							
rs8011031	G	A	0.276	0.090	0.015	5.95E-09	173981	0.280	0.089	0.055	0.110	15815							
rs8013873	T	C	0.185	-0.163	0.023	4.77E-13	173981	0.182	-0.035	0.064	0.581	15815							
rs8062123	T	G	0.315	0.114	0.017	3.60E-11	173981	0.317	0.156	0.054	0.004	15815							
rs886997	T	C	0.093	-0.346	0.029	2.98E-33	173981	0.093	-0.009	0.084	0.916	15815							
rs9258506	T	C	0.040	-0.374	0.039	7.90E-22	173981	0.037	-0.194	0.129	0.132	15815							
rs9261659	G	A	0.109	-0.161	0.027	4.74E-09	173981	0.111	-0.042	0.079	0.596	15815							
rs9263827	T	C	0.044	0.724	0.033	1.13E-104	173981	0.051	-0.097	0.110	0.380	15815							
rs9267808	A	G	0.013	1.421	0.042	1.00E-200	173981	0.016	-0.170	0.183	0.353	15815							
rs9277195	C	T	0.492	-0.326	0.015	2.29E-101	173981	0.506	0.070	0.050	0.160	15815							
rs9277990	G	A	0.190	0.180	0.023	7.88E-15	173981	0.188	0.054	0.063	0.395	15815							
rs9295661	C	A	0.087	0.282	0.030	7.52E-21	173981	0.087	0.162	0.086	0.058	15815							
rs9366637	T	C	0.052	-0.182	0.027	1.06E-11	173981	0.054	0.004	0.112	0.972	15815							
rs9380293	T	C	0.016	-0.774	0.057	1.94E-41	173981	0.017	-0.056	0.193	0.771	15815							
rs9405008	G	A	0.038	-0.238	0.041	5.31E-09	173981	0.034	-0.028	0.137	0.841	15815							
rs9461389	A	G	0.108	-0.161	0.022	1.68E-13	173981	0.107	0.069	0.080	0.387	15815							
rs9517712	T	C	0.246	0.096	0.016	4.26E-09	173981	0.251	-0.015	0.056	0.790	15815							
rs9911533	C	T	0.371	-0.087	0.015	5.14E-09	173981	0.365	0.025	0.051	0.619	15815							
rs9976073	C	T	0.262	-0.094	0.017	1.13E-08	173981	0.261	-0.007	0.056	0.898	15815							
type 1 diabetes recovery time with colchicine	159.80						rs10134419	T	C	0.276	0.090	0.015	6.25E-09	173981	0.760	-0.041	0.067	0.530	872
rs10214273	G	T	0.274	-0.107	0.016	2.72E-11	173981	0.230	-0.091	0.070	0.190	872							
rs1022674	C	A	0.226	0.107	0.017	4.61E-10	173981	0.280	-0.006	0.063	0.920	872							
rs10484404	T	C	0.096	-0.201	0.028	1.57E-12	173981	0.110	0.120	0.092	0.190	872							
rs11065979	T	C	0.441	0.203	0.015	2.47E-42	173981	0.450	-0.097	0.057	0.090	872							
rs11203203	G	A	0.365	0.129	0.015	3.25E-17	173981	0.360	0.011	0.060	0.860	872							
rs115530337	T	G	0.039	0.300	0.030	3.15E-23	173981	0.050	0.110	0.130	0.400	872							
rs11878908	C	T	0.468	-0.094	0.015	2.37E-10	173981	0.540	-0.021	0.058	0.710	872							
rs12148472	C	T	0.126	-0.153	0.024	1.91E-10	173981	0.120	0.075	0.090	0.400	872							
rs12204338	G	A	0.117	-0.168	0.022	4.00E-14	173981	0.150	0.100	0.079	0.190	872							
rs1264691	T	C	0.063	-0.312	0.039	1.88E-15	173981	0.086	0.082	0.110	0.460	872							
rs12828640	A	G	0.416	0.104	0.015	2.80E-12	173981	0.540	-0.026	0.059	0.660	872							
rs12928537	A	G	0.323	-0.154	0.016	1.10E-22	173981	0.360	-0.023	0.059	0.700	872							
rs13215	A	C	0.052	-0.298	0.035	1.32E-17	173981	0.060	-0.110	0.130	0.380	872							
rs13216195	T	C	0.077	-0.195	0.027	4.32E-13	173981	0.089	0.260	0.099	0.009	872							
rs138925279	A	C	0.039	0.207	0.031	5.45E-11	173981	0.051	0.021	0.130	0.870	872							
rs141615002	C	T	0.053	-0.331	0.041	5.65E-16	173981	0.056	0.110	0.120	0.350	872							
rs15123	T	C	0.131	0.164	0.024	7.46E-12	173981	0.130	-0.082	0.091	0.370	872							
rs156743	C	T	0.147	0.413	0.022	2.48E-77	173981	0.099	0.069	0.094	0.460	872							
rs1592410	T	C	0.455	0.269	0.015	4.58E-76	173981	0.390	-0.010	0.059	0.870	872							
rs1702877	T	C	0.339	0.196	0.015	2.46E-37	173981	0.340	0.025	0.061	0.680	872							
rs17600959	G	A	0.437	-0.115	0.015	3.83E-15	173981	0.440	0.036	0.058	0.530	872							
rs17652674	A	C	0.194	0.100	0.018	2.20E-08	173981	0.180	-0.089	0.078	0.250	872							
rs1790946	C	T	0.473	0.103	0.015	1.51E-12	173981	0.530	-0.041	0.059	0.500	872							
rs210215	A	C	0.446	0.194	0.015	4.30E-39	173981	0.500	-0.009	0.058	0.880	872							
rs2111485	A	G	0.396	-0.118	0.015	4.12E-15	173981	0.580	-0.064	0.059	0.280	872							
rs2174281	C	T	0.460	0.105	0.015	1.51E-12	173981	0.480	-0.013	0.057	0.820	872							
rs2243471	G	A	0.214	0.257	0.017	2.78E-54	173981	0.790	0.045	0.069	0.510	872							
rs2393664	T	C	0.179	-0.105	0.018	1.44E-08	173981	0.790	0.032	0.069	0.640	872							
rs2542151	G	T	0.167	0.173	0.020	1.92E-18	173981	0.840	0.000	0.076	1.000	872							
rs2859059	A	G	0.170	-0.570	0.024	9.88E-129	173981	0.280	-0.022	0.065	0.730	872							
rs28743267	G	T	0.110	-0.158	0.027	8.78E-09	173981	0.084	0.110	0.100	0.270	872							
rs2952140	T	C	0.482	-0.084	0.015	7.63E-09	173981	0.490	0.015	0.058	0.790	872							
rs3024493	A	C	0.159	-0.123	0.021	2.52E-09	173981	0.140	-0.009	0.087	0.920	872							
rs3093971	A	G	0.103	0.765	0.026	6.25E-188	173981	0.110	0.001	0.089	1.000	872							
rs3094035	T	G	0.141	0.555	0.022	7.40E-145	173981	0.082	0.000	0.110	1.000	872							
rs3094090	C	T	0.053	0.499	0.031	5.56E-60	173981	0.668	0.110	0.110	0.320	872							
rs3128932	T	C	0.201	0.161	0.018	1.96E-19	173981	0.220	0.003	0.071	0.960	872							
rs3131854	T	C	0.215	0.231	0.019	3.94E-35	173981	0.800	0.000	0.076	1.000	872							
rs3135352	C	A	0.143	-1.368	0.042	1.00E-200	173981	0.890	0.074	0.096	0.440	872							
rs35251378	A	G	0.294	-0.124	0.017	1.25E-13	173981	0.290	0.068	0.063	0.280	872							
rs3749946	A	C	0.060	-0.221	0.030	3.60E-13	173981	0.097	-0.004	0.099	0.970	872							
rs3788992	G	A	0.188	-0.136	0.018	9.42E-13	173981	0.200	-0.100	0.075	0.170	872							
rs3842753	T	G	0.299	-0.565	0.023	1.72E-135	173981	0.710	-0.001	0.065	0.980	872							
rs3957111	A	G	0.100	0.384	0.026	3.02E-48	173981	0.140	-0.013	0.088	0.880	872							
rs41266860	T	C	0.076	0.329	0.025	2.24E-38	173981	0.065	-0.150										

rs6925683	G	T	0.236	0.098	0.017	1.37E-08	173981	0.230	0.044	0.068	0.520	872							
rs6930138	G	A	0.426	0.196	0.015	1.27E-40	173981	0.560	0.130	0.061	0.033	872							
rs7226035	C	T	0.358	-0.087	0.015	6.81E-09	173981	0.600	0.130	0.058	0.023	872							
rs7383258	T	C	0.052	-0.889	0.062	1.27E-46	173981	0.060	0.068	0.120	0.570	872							
rs773554	T	C	0.270	0.147	0.016	3.15E-19	173981	0.260	0.045	0.063	0.470	872							
rs7922058	G	A	0.216	-0.133	0.018	9.81E-14	173981	0.200	0.025	0.074	0.730	872							
rs7931848	A	C	0.119	-0.141	0.025	2.07E-08	173981	0.120	0.048	0.087	0.580	872							
rs7956202	G	T	0.171	-0.111	0.020	1.44E-08	173981	0.170	0.027	0.075	0.720	872							
rs9258550	G	A	0.100	-0.448	0.027	1.52E-61	173981	0.091	0.053	0.097	0.590	872							
rs9260233	C	T	0.078	-0.321	0.029	4.08E-28	173981	0.110	-0.240	0.099	0.016	872							
rs9262155	G	A	0.080	-0.227	0.032	8.41E-13	173981	0.099	0.110	0.098	0.280	872							
rs9378182	G	A	0.208	-0.486	0.020	5.48E-133	173981	0.250	0.094	0.068	0.170	872							
rs9393826	C	A	0.110	-0.157	0.022	3.92E-13	173981	0.880	-0.007	0.088	0.940	872							
rs9501234	G	A	0.069	0.181	0.024	9.55E-14	173981	0.062	-0.061	0.120	0.620	872							
rs9585056	C	T	0.244	0.095	0.017	1.06E-08	173981	0.770	0.097	0.066	0.140	872							
rs9976073	C	T	0.262	-0.094	0.017	1.13E-08	173981	0.260	0.086	0.063	0.180	872							
type 1 diabetes				recovery time with placebo	159.78		rs10134419	T	C	0.276	0.090	0.015	6.25E-09	173981	0.730	-0.052	0.066	0.430	851
rs10214273	G	T	0.274	-0.107	0.016	2.72E-11	173981	0.230	0.011	0.068	0.870	851							
rs1022674	C	A	0.226	0.107	0.017	4.61E-10	173981	0.280	-0.034	0.066	0.600	851							
rs10484404	T	C	0.096	-0.201	0.028	1.57E-12	173981	0.100	0.009	0.100	0.930	851							
rs11065979	T	C	0.441	0.203	0.015	2.47E-42	173981	0.440	0.040	0.059	0.500	851							
rs11203203	A	G	0.365	0.129	0.015	3.25E-17	173981	0.370	0.032	0.059	0.590	851							
rs11878908	C	T	0.468	-0.094	0.015	2.37E-10	173981	0.530	-0.018	0.057	0.750	851							
rs12148472	C	T	0.126	-0.153	0.024	1.91E-10	173981	0.130	-0.011	0.088	0.900	851							
rs12204338	G	A	0.117	-0.168	0.022	4.00E-14	173981	0.160	0.046	0.078	0.560	851							
rs1264691	T	C	0.063	-0.312	0.039	1.88E-15	173981	0.080	-0.160	0.110	0.160	851							
rs12828640	A	G	0.416	0.104	0.015	2.80E-12	173981	0.560	-0.052	0.059	0.380	851							
rs12928537	A	G	0.323	-0.154	0.016	1.10E-22	173981	0.340	-0.110	0.061	0.067	851							
rs13215	A	C	0.052	-0.298	0.035	1.32E-17	173981	0.066	-0.100	0.120	0.390	851							
rs13216195	T	C	0.077	-0.195	0.027	4.32E-13	173981	0.088	-0.083	0.110	0.430	851							
rs138925279	A	C	0.039	0.207	0.031	5.45E-11	173981	0.051	0.003	0.130	0.980	851							
rs141615002	C	T	0.053	-0.331	0.041	5.65E-16	173981	0.050	0.028	0.130	0.830	851							
rs151233	T	C	0.131	0.164	0.024	7.46E-12	173981	0.150	-0.180	0.089	0.039	851							
rs156743	C	T	0.147	0.413	0.022	2.48E-77	173981	0.110	-0.033	0.099	0.740	851							
rs1592410	T	C	0.455	0.269	0.015	4.58E-76	173981	0.410	-0.007	0.059	0.900	851							
rs1702877	T	C	0.339	0.196	0.015	2.46E-37	173981	0.330	-0.030	0.062	0.630	851							
rs17600959	G	A	0.437	-0.115	0.015	3.83E-15	173981	0.430	-0.004	0.057	0.940	851							
rs17652674	A	C	0.194	0.100	0.018	2.20E-08	173981	0.200	-0.039	0.074	0.600	851							
rs1790946	C	T	0.473	0.103	0.015	1.51E-12	173981	0.510	-0.083	0.059	0.150	851							
rs210215	A	C	0.446	0.194	0.015	4.30E-39	173981	0.490	-0.065	0.058	0.260	851							
rs2111485	A	G	0.396	-0.118	0.015	4.12E-15	173981	0.580	0.089	0.060	0.140	851							
rs2174281	C	T	0.460	0.105	0.015	1.51E-12	173981	0.500	-0.036	0.058	0.540	851							
rs2243471	G	A	0.214	0.257	0.017	2.78E-54	173981	0.770	0.048	0.069	0.490	851							
rs2267644	A	G	0.039	0.296	0.030	8.06E-23	173981	0.052	-0.190	0.130	0.160	851							
rs2393664	T	C	0.179	-0.105	0.018	1.44E-08	173981	0.770	-0.140	0.068	0.046	851							
rs2542151	G	T	0.167	0.173	0.020	1.92E-18	173981	0.860	-0.140	0.082	0.078	851							
rs2859059	A	G	0.170	-0.570	0.024	9.88E-129	173981	0.280	-0.072	0.065	0.270	851							
rs28743267	G	T	0.110	-0.158	0.027	7.87E-09	173981	0.082	-0.180	0.110	0.100	851							
rs2952140	T	C	0.482	-0.084	0.015	7.63E-09	173981	0.480	-0.039	0.056	0.490	851							
rs3024493	A	C	0.159	-0.123	0.021	2.52E-09	173981	0.120	0.086	0.081	0.290	851							
rs3093971	A	G	0.103	0.765	0.026	6.25E-188	173981	0.110	0.180	0.094	0.062	851							
rs3094035	T	G	0.141	0.555	0.022	7.40E-145	173981	0.093	-0.027	0.110	0.810	851							
rs3094090	C	T	0.053	0.499	0.031	5.56E-60	173981	0.071	-0.017	0.110	0.880	851							
rs3128932	T	C	0.201	0.161	0.018	1.96E-19	173981	0.220	-0.053	0.070	0.450	851							
rs3131854	T	C	0.215	0.231	0.019	3.94E-35	173981	0.770	-0.010	0.070	0.890	851							
rs3135352	C	A	0.143	-1.368	0.042	1.00E-200	173981	0.904	-0.055	0.100	0.600	851							
rs35251378	A	G	0.294	-0.124	0.017	1.25E-13	173981	0.270	0.011	0.065	0.870	851							
rs3749946	A	C	0.060	-0.221	0.030	3.60E-03	173981	0.090	-0.059	0.100	0.570	851							
rs3788992	G	A	0.188	-0.136	0.019	9.42E-13	173981	0.170	0.011	0.075	0.880	851							
rs3842753	T	G	0.299	-0.565	0.023	1.72E-135	173981	0.710	-0.017	0.064	0.790	851							
rs3957111	A	G	0.100	0.384	0.026	3.02E-48	173981	0.140	0.033	0.085	0.700	851							
rs41266860	T	C	0.076	0.329	0.025	2.24E-38	173981	0.059	-0.039	0.120	0.750	851							
rs4766998	A	G	0.310	0.111	0.016	3.05E-12	173981	0.680	0.007	0.063	0.910	851							
rs496160	T	C	0.436	-0.438	0.015	2.23E-180	173981	0.560	0.051	0.056	0.360	851							
rs542097	A	G	0.439	-0.081	0.015	3.96E-08	173981	0.450	-0.130	0.059	0.027	851							
rs5756652	T	C	0.237	0.101	0.018	7.66E-09	173981	0.210	0.057	0.071	0.420	851							
rs58822580	G	T	0.139	0.301	0.022	7.50E-44	173981	0.110	0.054	0.095	0.570	851							
rs59867199	T	C	0.275	0.105	0.016	1.29E-11	173981	0.270	-0.056	0.067	0.400	851							
rs6043409	A	G	0.355	-0.104	0.016	4.35E-11	173981	0.650	0.110	0.058	0.065	851							
rs60652743	G	A	0.162	-0.133	0.020	1.80E-11	173981	0.130	0.120	0.085	0.160	851							
rs6448432	A	G	0.303	0.100	0.016	1.91E-10	173981	0.340	0.034	0.062	0.590	851							
rs6456701	C	T	0.113	0.263	0.027	2.75E-23	173981	0.926	-0.098	0.120	0.410	851							
rs6925683	G	T	0.236	0.098	0.017	1.37E-08	173981	0.230	0.100	0.068	0.130	851							
rs6930138	G	A	0.426	0.196	0.015	1.27E-40	173981	0.580	-0.011	0.058	0.850	851							
rs7226035	C	T	0.358	-0.087	0.015	6.81E-09	173981	0.610	-0.140	0.061	0.025	851							
rs7383258	T	C	0.052	-0.889	0.062	1.27E-46	173981	0.664	-0.023	0.120	0.850	851							
rs773554	T	C	0.270	0.147	0.016	3.15E-19	173981	0.280	-0.052	0.062	0.400	851							
rs7922058	G	A	0.216	-0.133	0.018	9.81E-14	173981	0.210	0.063	0.074	0.390	851							
rs7931848	A	C	0.119	-0.141	0.025	2.07E-08	173981	0.110	-0.019	0.096	0.840	851							
rs7956202	G	T	0.171	-0.111	0.020	1.44E-08	173981	0.170	-0.062	0.077	0.420	851							
rs9258550	G	A	0.100	-0.448	0.027	1.52E-61	173981	0.110	-0.089	0.095	0.350	851							
rs9260233	C	T	0.078	-0.321	0.029	4.08E-28	173981	0.100	0.053	0.094	0.570	851							
rs9262155	G	A	0.080	-0.227	0.032														

Supplementary Table 2. Sensitivity analysis results between type 1 diabetes and COVID-19 infection and prognosis

Exposure	Outcome	nSNP	Cochran's Q		MR Egger		MRPRESSO Global Test	
			value	P value	intercept	intercept P value	value	P value
Type 1 diabetes	COVID-19 positive	124	129.100	0.340	-0.003	0.241	130.910	0.340
	Hospitalized COVID-19	123	108.220	0.810	0.006	0.335	110.220	0.810
	Severe COVID-19	123	121.370	0.500	0.000	0.999	123.710	0.500
	COVID-19 death	123	125.770	0.390	0.004	0.660	128.080	0.390
	Recovery time with colchicine treatment	72	68.020	0.580	-0.005	0.691	69.170	0.600
	Recovery time with placebo treatment	73	77.680	0.300	-0.016	0.254	79.120	0.330

Notes: nSNP is the number of SNPs used as instrumental variables (IVs).

Supplementary Table 3. SNP exclusion information after PhenoScanner V2

exposure	Number of removed SNPs	SNP	Trait	P
		rs1063478	Self-reported psoriasis	3.74E-52
		rs1063478	Rheumatoid arthritis	5.80E-13
		rs1085725	Self-reported psoriasis	3.01E-11
		rs1085725	Rheumatoid arthritis	1.10E-10
		rs11203203	Rheumatoid arthritis	8.70E-09
		rs11203203	Celiac disease or Rheumatoid arthritis	1.00E-08
		rs115018313	Rheumatoid arthritis	4.60E-162
		rs115018313	Rheumatoid arthritis	7.10E-162
		rs115892333	Self-reported multiple sclerosis	9.64E-10
		rs115892333	Rheumatoid arthritis	1.50E-08
		rs115892333	Rheumatoid arthritis	3.80E-08
		rs12192673	Rheumatoid arthritis	1.81E-09
		rs12192673	Rheumatoid arthritis	1.81E-09
		rs12207915	Rheumatoid arthritis	8.90E-38
		rs12207915	Rheumatoid arthritis	4.10E-30
		rs12207915	Self-reported psoriasis	1.09E-13
		rs12215593	Rheumatoid arthritis	6.00E-11
		rs1233478	Primary sclerosing cholangitis	6.28E-64
		rs12506688	Rheumatoid arthritis	2.20E-16
		rs12506688	Rheumatoid arthritis	2.20E-16
		rs12927355	Primary biliary cirrhosis	5.33E-13
		rs13212534	Primary sclerosing cholangitis	1.12E-63
		rs13212534	Primary sclerosing cholangitis	6.04E-74
		rs136743	Primary sclerosing cholangitis	6.04E-74
		rs17179851	Rheumatoid arthritis	3.20E-21
		rs17179851	Rheumatoid arthritis	1.20E-18
		rs17207622	Rheumatoid arthritis	6.90E-12
		rs17207622	Rheumatoid arthritis	3.40E-11
		rs17652674	Rheumatoid arthritis	2.20E-09
		rs17652674	Rheumatoid arthritis	9.00E-09
		rs1990760	Inflammatory bowel disease	4.00E-10
		rs1994565	Rheumatoid arthritis	1.60E-06
		rs204996	Rheumatoid arthritis	1.60E-34
		rs204996	Rheumatoid arthritis	5.40E-33
		rs2212434	Inflammatory bowel disease	8.17E-20
		rs2313430	Primary biliary cirrhosis	1.36E-13
		rs2313430	Inflammatory bowel disease	1.71E-13
		rs2395471	Self-reported psoriasis	4.61E-137
		rs241435	Rheumatoid arthritis	4.10E-30
		rs241435	Rheumatoid arthritis	4.40E-30
		rs2476601	Rheumatoid arthritis	1.00E-149
		rs2476601	Rheumatoid arthritis	1.60E-149
		rs2516698	Rheumatoid arthritis	3.21E-08
		rs2516698	Rheumatoid arthritis	3.21E-08
		rs2844466	Primary sclerosing cholangitis	4.34E-48
		rs28746904	Self-reported psoriasis	1.66E-32
		rs28746904	Rheumatoid arthritis	2.80E-30
		rs28893513	Self-reported psoriasis	7.40E-43
		rs3024505	Inflammatory bowel disease	6.66E-42
		rs3024505	Inflammatory bowel disease	7.00E-42
		rs3024505	Inflammatory bowel disease	6.00E-31
		rs3087243	Rheumatoid arthritis	1.70E-22
		rs3087243	Rheumatoid arthritis	4.00E-22
		rs3093971	Rheumatoid arthritis	5.50E-19
		rs3130363	Primary sclerosing cholangitis	7.08E-138
		rs3130666	Rheumatoid arthritis	2.80E-12
		rs3130666	Rheumatoid arthritis	2.90E-12
Severe COVID-19, COVID-19 death	61	rs3134962	Primary sclerosing cholangitis	1.32E-138
		rs3184504	Celiac disease	5.40E-21
		rs34864796	Primary sclerosing cholangitis	6.03E-69
		rs3763355	Primary biliary cholangitis	0.00E+00
		rs3763355	Rheumatoid arthritis	2.30E-95
		rs3763355	Rheumatoid arthritis	1.97E-50
		rs3763355	Rheumatoid arthritis	1.97E-50
		rs3763355	Rheumatoid arthritis	2.70E-34
		rs41265836	Rheumatoid arthritis	1.40E-60
		rs41265836	Rheumatoid arthritis	1.60E-60
		rs41267086	Rheumatoid arthritis	7.20E-41
		rs41267086	Rheumatoid arthritis	8.50E-40
		rs41268924	Rheumatoid arthritis	1.40E-226
		rs41268924	Rheumatoid arthritis	2.60E-226
		rs4947258	Primary sclerosing cholangitis	5.49E-149
		rs537544	Rheumatoid arthritis	8.00E-11
		rs55844831	Rheumatoid arthritis	7.60E-39
		rs55844831	Rheumatoid arthritis	8.50E-39
		rs56111713	Self-reported psoriasis	5.40E-16
		rs6912701	Primary biliary cholangitis	0.00E+00
		rs6912701	Rheumatoid arthritis	9.60E-27
		rs6912701	Rheumatoid arthritis	1.20E-26
		rs6913182	Self-reported multiple sclerosis	1.00E-88
		rs6913182	Rheumatoid arthritis	1.10E-66
		rs6913182	Rheumatoid arthritis	4.60E-58
		rs71565365	Self-reported psoriasis	3.41E-18
		rs71565365	Rheumatoid arthritis	1.00E-14
		rs71565365	Rheumatoid arthritis	2.00E-13
		rs7237497	Inflammatory bowel disease	1.24E-10
		rs7237497	Rheumatoid arthritis	1.30E-10
		rs7237497	Rheumatoid arthritis	4.60E-08
		rs73391152	Rheumatoid arthritis	6.90E-13
		rs73391152	Rheumatoid arthritis	1.40E-11
		rs73396583	Self-reported psoriasis	1.33E-21
		rs73396583	Rheumatoid arthritis	1.00E-19
		rs73396583	Rheumatoid arthritis	3.80E-13
		rs73396583	Rheumatoid arthritis	2.60E-08
		rs73400833	Rheumatoid arthritis	3.40E-38
		rs73400833	Rheumatoid arthritis	1.40E-33
		rs73400833	Primary sclerosing cholangitis	1.03E-16
		rs773560	Rheumatoid arthritis	9.20E-16
		rs773560	Rheumatoid arthritis	1.50E-11
		rs7755997	Primary sclerosing cholangitis	8.40E-16
		rs7772373	Self-reported psoriasis	6.00E-40
		rs78354120	Self-reported psoriasis	9.16E-37

rs9261659	Rheumatoid arthritis	1.20E-19
rs9261659	Rheumatoid arthritis	1.20E-19
rs9267808	Rheumatoid arthritis	2.80E-15
rs9267808	Rheumatoid arthritis	3.00E-15
rs9277195	Rheumatoid arthritis	9.80E-25
rs9277990	Rheumatoid arthritis	1.00E-16
rs9295661	Primary sclerosing cholangitis	1.65E-38
rs9380293	Rheumatoid arthritis	2.40E-89
rs9380293	Rheumatoid arthritis	8.20E-64
rs9380293	Rheumatoid arthritis	1.20E-29
rs9380293	Inflammatory bowel disease	5.08E-09

Supplementary Table 4. Selected IVs in reverse MR analysis

exposure	SNP	A1	A2	exposure				outcome					
				eaf	beta	se	pval	samplezise	eaf	beta	se		
COVID-19 positive	rs1015135	G	A	0.527	0.057	0.013	6.16E-06	98377	0.516	0.013	0.014	0.378	173981
	rs116126009	A	G	0.048	-0.132	0.029	7.26E-06	98377	0.052	-0.044	0.035	0.220	173981
	rs117103304	A	C	0.017	-0.218	0.048	6.24E-06	98377	0.016	-0.025	0.084	0.763	173981
	rs11721544	C	T	0.677	0.060	0.013	6.19E-06	98377	0.683	0.019	0.016	0.216	173981
	rs13130146	A	G	0.201	0.072	0.016	3.76E-06	98377	0.199	0.014	0.018	0.434	173981
	rs1595608	G	T	0.242	0.066	0.015	7.11E-06	98377	0.245	0.004	0.017	0.804	173981
	rs16968480	A	G	0.341	0.061	0.013	4.21E-06	98377	0.334	-0.010	0.017	0.558	173981
	rs558424269	A	G	0.153	-0.079	0.018	6.68E-06	98377	0.154	0.007	0.025	0.762	173981
	rs7202189	C	A	0.732	0.065	0.014	5.08E-06	98377	0.730	-0.013	0.017	0.452	173981
	rs73062389	A	G	0.061	0.183	0.026	2.32E-12	98377	0.056	0.032	0.046	0.484	173981
Hospitalized COVID-19	rs7545756	C	A	0.644	-0.059	0.013	6.48E-06	98377	0.645	0.010	0.015	0.509	173981
	rs76394096	A	G	0.144	-0.082	0.018	5.13E-06	98377	0.145	0.010	0.025	0.674	173981
	rs80269587	C	T	0.038	0.160	0.033	1.50E-06	98377	0.035	0.056	0.051	0.269	173981
	rs842225	A	G	0.463	0.059	0.013	3.56E-06	98377	0.464	0.005	0.016	0.776	173981
	rs9411378	A	C	0.224	0.104	0.016	2.44E-11	98377	0.230	-0.063	0.030	0.034	173981
	rs111805396	A	C	0.021	0.482	0.018	8.43E-06	16551	0.021	-0.027	0.063	0.664	173981
	rs11660443	T	C	0.185	-0.176	0.040	9.56E-06	16551	0.174	-0.009	0.021	0.678	173981
	rs11689857	T	C	0.482	-0.146	0.031	1.89E-06	16551	0.495	-0.024	0.014	0.099	173981
	rs11783271	T	G	0.065	0.288	0.064	7.82E-06	16551	0.065	-0.112	0.053	0.034	173981
	rs13078854	A	G	0.073	0.430	0.060	8.76E-13	16551	0.066	0.030	0.030	0.313	173981
Severe COVID-19	rs17100497	A	G	0.140	0.209	0.045	3.12E-06	16551	0.140	-0.040	0.022	0.065	173981
	rs3737997	G	A	0.056	-0.326	0.071	4.05E-06	16551	0.054	0.072	0.041	0.079	173981
	rs4233818	G	A	0.297	0.171	0.035	8.51E-07	16551	0.289	-0.003	0.019	0.883	173981
	rs4435454	A	G	0.190	-0.181	0.040	4.70E-06	16551	0.185	0.007	0.022	0.729	173981
	rs72841886	T	C	0.060	0.311	0.068	5.11E-06	16551	0.066	0.020	0.034	0.547	173981
	rs79405378	T	G	0.057	0.302	0.068	8.69E-06	16551	0.052	0.048	0.039	0.219	173981
	rs10891500	C	T	0.017	0.854	0.193	9.52E-06	15815	0.016	0.019	0.028	0.495	173981
	rs10906733	G	A	0.609	0.227	0.051	7.68E-06	15815	0.612	-0.004	0.017	0.815	173981
	rs11576687	T	C	0.143	0.294	0.066	9.32E-06	15815	0.143	-0.023	0.024	0.334	173981
	rs116862993	G	A	0.019	0.788	0.174	6.37E-06	15815	0.019	-0.052	0.055	0.350	173981
COVID-19 death	rs146375688	T	C	0.047	0.564	0.113	6.55E-07	15815	0.042	0.062	0.034	0.070	173981
	rs17402887	C	T	0.073	0.412	0.091	6.43E-06	15815	0.071	-0.034	0.031	0.283	173981
	rs71325088	C	T	0.073	0.523	0.092	1.15E-08	15815	0.066	0.031	0.030	0.307	173981
	rs822293	A	G	0.057	0.476	0.104	4.27E-06	15815	0.051	0.017	0.031	0.595	173981
	rs13141729	C	T	0.096	0.379	0.083	5.47E-06	15815	0.097	-0.039	0.022	0.084	173981
	rs28701638	C	T	0.162	-0.292	0.066	9.29E-06	15815	0.169	-0.013	0.019	0.494	173981
	rs4987280	T	C	0.276	0.249	0.055	6.70E-06	15815	0.273	-0.037	0.017	0.026	173981
	rs79143240	C	T	0.011	1.107	0.250	9.52E-06	15815	0.011	-0.009	0.066	0.891	173981
	rs10487763	G	T	0.085	0.450	0.099	5.30E-06	872	0.108	0.012	0.024	0.610	173981
	rs11043079	G	T	0.390	0.270	0.061	8.80E-06	872	0.411	-0.014	0.017	0.404	173981
Recovery time with colchicine treatment	rs115506471	T	C	0.053	0.570	0.130	4.90E-06	872	0.053	0.017	0.042	0.683	173981
	rs117872821	T	C	0.098	0.430	0.094	3.80E-06	872	0.122	-0.019	0.028	0.493	173981
	rs12616254	C	T	0.110	-0.440	0.086	2.60E-07	872	0.895	0.023	0.026	0.374	173981
	rs1989457	A	G	0.430	-0.280	0.063	6.80E-06	872	0.406	0.002	0.015	0.869	173981
	rs2969949	T	G	0.250	-0.290	0.065	1.00E-05	872	0.724	0.032	0.019	0.085	173981
	rs301958	C	T	0.160	-0.380	0.075	3.20E-07	872	0.853	0.027	0.023	0.244	173981
	rs35581380	A	G	0.092	0.510	0.110	5.90E-06	872	0.918	-0.015	0.035	0.671	173981
	rs7545951	C	T	0.092	-0.430	0.095	5.80E-06	872	0.882	0.001	0.022	0.970	173981
	rs77050502	T	C	0.061	-0.480	0.110	5.90E-06	872	0.921	-0.012	0.029	0.672	173981
	rs7781650	T	G	0.110	0.450	0.100	7.50E-06	872	0.898	-0.049	0.022	0.030	173981
Recovery time with placebo treatment	rs8037453	C	A	0.075	0.470	0.100	8.40E-06	872	0.057	0.031	0.033	0.342	173981
	rs10794057	G	A	0.430	0.280	0.058	1.40E-06	851	0.572	0.003	0.016	0.861	173981
	rs10964597	C	A	0.170	0.380	0.081	2.60E-06	851	0.804	0.004	0.023	0.849	173981
	rs11036883	G	A	0.330	-0.270	0.059	6.90E-06	851	0.622	0.001	0.015	0.945	173981
	rs11670095	T	C	0.063	0.550	0.110	1.40E-06	851	0.066	-0.009	0.035	0.803	173981
	rs12317844	T	C	0.320	0.270	0.060	5.40E-06	851	0.306	0.005	0.016	0.735	173981
	rs145670222	C	T	0.120	-0.440	0.100	9.70E-06	851	0.106	-0.021	0.027	0.432	173981
	rs2180291	A	C	0.190	0.380	0.083	6.30E-06	851	0.856	0.005	0.024	0.824	173981
	rs34651317	C	T	0.280	0.280	0.064	8.50E-06	851	0.288	0.008	0.016	0.627	173981
	rs4902234	C	T	0.110	0.490	0.110	4.40E-06	851	0.910	0.006	0.037	0.861	173981
Recovery time with placebo treatment	rs62036216	C	T	0.075	-0.520	0.110	1.60E-06	851	0.938	-0.012	0.037	0.753	173981
	rs67078535	G	A	0.110	-0.420	0.087	1.60E-06	851	0.882	0.013	0.030	0.655	173981
	rs7705685	G	A	0.100	0.440	0.096	4.80E-06	851	0.094	0.043	0.026	0.104	173981
	rs77348070	T	C	0.051	-0.550	0.120	5.50E-06	851	0.969	0.108	0.048	0.025	173981
	rs78488740	C	T	0.058	0.570	0.120	2.20E-06	851	0.058	0.018	0.036	0.605	173981
	rs7874333	G	A	0.310	-0.290	0.064	8.20E-06	851	0.300	0.004	0.015	0.802	173981

Notes: MR: mendelian randomization, A1: effect allele, A2: other allele, beta: estimate coefficient, se: standard error of coefficient estimate.

Supplementary Table 5. The results of pathway enrichment analysis

term_name	term_id	adjusted_p_value	intersections
regulation of immune system process	GO:0002682	1.57504E-06	SIRPG,TYK2,UBASH3A,HLA-DQA2,HLA-DMA,CD226,IFIH1,AGER,CTSH,IKZF3,GATA3,CCDC88B,HLA-E,HFE
regulation of leukocyte activation	GO:0002694	1.77729E-06	SIRPG,TYK2,HLA-DQA2,HLA-DMA,CD226,AGER,IKZF3,GATA3,CCDC88B,HLA-E,HFE
regulation of T cell activation	GO:0050863	2.6689E-06	SIRPG,TYK2,HLA-DQA2,HLA-DMA,AGER,GATA3,CCDC88B,HLA-E,HFE
regulation of leukocyte cell-cell adhesion	GO:1903037	2.92777E-06	SIRPG,TYK2,HLA-DQA2,HLA-DMA,AGER,GATA3,CCDC88B,HLA-E,HFE
positive regulation of T cell activation	GO:0050870	3.18715E-06	SIRPG,TYK2,HLA-DQA2,HLA-DMA,AGER,GATA3,CCDC88B,HLA-E
regulation of cell activation	GO:0050865	4.23448E-06	SIRPG,TYK2,HLA-DQA2,HLA-DMA,CD226,AGER,IKZF3,GATA3,CCDC88B,HLA-E,HFE
positive regulation of leukocyte cell-cell adhesion	GO:1903039	6.90747E-06	SIRPG,TYK2,HLA-DQA2,HLA-DMA,AGER,GATA3,CCDC88B,HLA-E
regulation of lymphocyte activation	GO:0051249	7.57579E-06	SIRPG,TYK2,HLA-DQA2,HLA-DMA,AGER,IKZF3,GATA3,CCDC88B,HLA-E,HFE
leukocyte cell-cell adhesion	GO:0007159	8.48522E-06	SIRPG,TYK2,HLA-DQA2,HLA-DMA,AGER,GATA3,CCDC88B,HLA-E,HFE
positive regulation of leukocyte activation	GO:0002696	2.07423E-05	SIRPG,TYK2,HLA-DQA2,HLA-DMA,CD226,AGER,GATA3,CCDC88B,HLA-E
immune system process	GO:0002376	2.38593E-05	SIRPG,TYK2,UBASH3A,HLA-DQA2,HLA-DMA,GNL1,TRIM38,CD226,IFIH1,AGER,CTSH,IKZF3,GATA3,CCDC88B,IL2RA,HLA-E,HFE
positive regulation of cell-cell adhesion	GO:0022409	2.72346E-05	SIRPG,TYK2,HLA-DQA2,HLA-DMA,AGER,GATA3,CCDC88B,HLA-E
positive regulation of cell adhesion	GO:0045785	2.75887E-05	SIRPG,TYK2,HLA-DQA2,HLA-DMA,AGER,CARMIL1,GATA3,CCDC88B,HLA-E
positive regulation of cell activation	GO:0050867	2.82397E-05	SIRPG,TYK2,HLA-DQA2,HLA-DMA,CD226,AGER,GATA3,CCDC88B,HLA-E
regulation of cell-cell adhesion	GO:0022407	3.6341E-05	SIRPG,TYK2,HLA-DQA2,HLA-DMA,AGER,GATA3,CCDC88B,HLA-E,HFE
T cell activation	GO:0042110	4.15657E-05	SIRPG,TYK2,HLA-DQA2,HLA-DMA,AGER,GATA3,CCDC88B,HLA-E,HFE
leukocyte activation	GO:0045321	9.82417E-05	SIRPG,TYK2,HLA-DQA2,HLA-DMA,CD226,AGER,IKZF3,GATA3,CCDC88B,HLA-E,HFE
positive regulation of lymphocyte activation	GO:0051251	0.00016551	SIRPG,TYK2,HLA-DQA2,HLA-DMA,AGER,GATA3,CCDC88B,HLA-E
regulation of cell adhesion	GO:0030155	0.000177624	SIRPG,TYK2,HLA-DQA2,HLA-DMA,AGER,CARMIL1,GATA3,CCDC88B,HLA-E,HFE
lymphocyte activation	GO:0046649	0.000191511	SIRPG,TYK2,HLA-DQA2,HLA-DMA,AGER,IKZF3,GATA3,CCDC88B,HLA-E,HFE
cell activation	GO:0001775	0.000430377	SIRPG,TYK2,HLA-DQA2,HLA-DMA,CD226,AGER,IKZF3,GATA3,CCDC88B,HLA-E,HFE
positive regulation of immune system process	GO:0002684	0.000522713	SIRPG,TYK2,UBASH3A,HLA-DQA2,HLA-DMA,CD226,IFIH1,AGER,GATA3,CCDC88B,HLA-E
adaptive immune response based on somatic recombination of immune receptors built from immunoglobulin superfamily domains	GO:0002460	0.000606839	TYK2,GNL1,CD226,AGER,CTSH,HLA-E,HFE
T cell mediated immunity	GO:0002456	0.000767274	GNL1,AGER,CTSH,HLA-E,HFE
antigen processing and presentation	GO:0019882	0.00113965	HLA-DQA2,HLA-DMA,CTSH,HLA-E,HFE
immune response	GO:0006955	0.001252137	TYK2,UBASH3A,HLA-DQA2,GNL1,TRIM38,CD226,IFIH1,AGER,CTS H,GATA3,IL2RA,HLA-E,HFE

adaptive immune response	GO:0002250	0.002437839	TYK2,GNL1,CD226,AGER,CTSH,HLA-E,HFE
regulation of adaptive immune response based on somatic recombination of immune receptors built from immunoglobulin superfamily domains	GO:0002822	0.006071685	TYK2,CD226,AGER,HLA-E,HFE
antigen processing and presentation of peptide antigen	GO:0048002	0.006205081	HLA-DQA2,HLA-DMA,HLA-E,HFE
cell-cell adhesion	GO:0098609	0.009888847	SIRPG,TYK2,HLA-DQA2,HLA-DMA,AGER,GATA3,CCDC88B,HLA-E,HFE
regulation of adaptive immune response	GO:0002819	0.010401117	TYK2,CD226,AGER,HLA-E,HFE
positive regulation of cytokine production	GO:0001819	0.011036203	TYK2,CD226,IFIH1,AGER,GATA3,CCDC88B,HLA-E
regulation of immune response	GO:0050776	0.011499416	TYK2,UBASH3A,CD226,IFIH1,AGER,CTSH,GATA3,HLA-E,HFE
cell adhesion	GO:0007155	0.011985623	SIRPG,TYK2,HLA-DQA2,HLA-DMA,CD226,AGER,CARMIL1,GATA3,CCDC88B,HLA-E,HFE
lymphocyte mediated immunity	GO:0002449	0.012552624	GNL1,CD226,AGER,CTSH,HLA-E,HFE
regulation of cytokine production	GO:0001817	0.017996927	TYK2,CD226,IFIH1,AGER,GATA3,CCDC88B,HLA-E,HFE
cytokine production	GO:0001816	0.019112397	TYK2,CD226,IFIH1,AGER,GATA3,CCDC88B,HLA-E,HFE
positive regulation of T cell proliferation	GO:0042102	0.020316181	TYK2,AGER,CCDC88B,HLA-E
regulation of lymphocyte proliferation	GO:0050670	0.022635044	TYK2,AGER,IKZF3,CCDC88B,HLA-E
positive regulation of multicellular organismal process	GO:0051240	0.023294149	SIRPG,TYK2,HLA-DQA2,HLA-DMA,CD226,IFIH1,AGER,CTSH,GATA3,CCDC88B,HLA-E
regulation of mononuclear cell proliferation	GO:0032944	0.023959438	TYK2,AGER,IKZF3,CCDC88B,HLA-E
regulation of alpha-beta T cell activation	GO:0046634	0.025999862	TYK2,AGER,HLA-E,HFE
regulation of leukocyte proliferation	GO:0070663	0.039796719	TYK2,AGER,IKZF3,CCDC88B,HLA-E
leukocyte mediated immunity	GO:0002443	0.04254617	GNL1,CD226,AGER,CTSH,HLA-E,HFE
antigen processing and presentation of exogenous peptide antigen	GO:0002478	0.048019857	HLA-DQA2,HLA-DMA,HLA-E

Notes: adjusted_p_value is the p-value that corrected by g:SCS (Set Counts and Sizes)

Supplementary Table 6. Selected IVs in MR analysis (replication phase)

exposure	outcome	<i>F</i> -value	SNP	A1	A2	exposure						outcome					
						eaf	beta	se	pval	samplesize	eaf	beta	se	pval	samplesize		
Type 1 diabetes	COVID-19 positive	1403.56	rs10230978	A	G	0.685	-0.154	0.028	3.80E-08	14741	0.275	-0.012	0.014	0.373	98377		
			rs1042136	C	A	0.789	0.330	0.032	6.19E-25	14741	0.162	-0.003	0.017	0.849	98377		
			rs10774624	A	G	0.530	-0.291	0.025	2.58E-31	14741	0.512	0.006	0.013	0.620	98377		
			rs10814917	G	A	0.527	-0.149	0.025	2.52E-09	14741	0.498	-0.015	0.013	0.225	98377		
			rs10840595	T	C	0.843	0.225	0.035	1.29E-10	14741	0.167	-0.014	0.017	0.408	98377		
			rs11042751	C	T	0.781	-0.335	0.039	8.72E-18	14741	0.242	0.014	0.015	0.341	98377		
			rs111568057	T	C	0.972	0.814	0.088	2.24E-20	14741	0.022	-0.039	0.044	0.381	98377		
			rs114355928	T	G	0.979	1.559	0.077	3.79E-91	14741	0.029	-0.020	0.037	0.597	98377		
			rs114653220	C	T	0.976	-1.744	0.222	3.97E-15	14741	0.003	0.041	0.154	0.791	98377		
			rs115008112	A	G	0.908	-0.622	0.069	1.98E-19	14741	0.075	0.042	0.024	0.080	98377		
			rs11539216	A	G	0.950	-0.892	0.077	4.94E-31	14741	0.056	0.026	0.027	0.326	98377		
			rs115469976	C	T	0.982	1.717	0.091	2.09E-79	14741	0.031	-0.044	0.036	0.218	98377		
			rs11727369	G	A	0.623	0.161	0.025	1.19E-10	14741	0.361	-0.024	0.013	0.067	98377		
			rs11758136	A	G	0.959	-0.632	0.090	2.18E-12	14741	0.026	0.065	0.040	0.099	98377		
			rs1233478	T	G	0.840	0.558	0.030	3.21E-77	14741	0.196	0.022	0.016	0.157	98377		
			rs1264622	C	T	0.842	0.373	0.029	7.36E-38	14741	0.200	-0.002	0.016	0.876	98377		
			rs12722496	G	A	0.921	-0.438	0.044	2.41E-23	14741	0.110	-0.021	0.020	0.298	98377		
			rs12919083	C	A	0.671	-0.218	0.027	6.80E-16	14741	0.323	0.007	0.013	0.600	98377		
			rs13215	A	C	0.932	-0.378	0.066	1.02E-08	14741	0.051	0.022	0.028	0.441	98377		
			rs13437000	C	T	0.812	-0.673	0.038	3.48E-70	14741	0.180	0.010	0.016	0.519	98377		
			rs138522604	G	T	0.985	-1.246	0.198	3.12E-10	14741	0.011	0.028	0.060	0.640	98377		
			rs143933760	T	C	0.989	1.613	0.127	5.85E-37	14741	0.008	-0.011	0.072	0.879	98377		
			rs144112342	C	T	0.980	-1.231	0.142	4.36E-18	14741	0.025	-0.023	0.041	0.580	98377		
			rs145130687	G	T	0.973	-0.684	0.082	7.34E-17	14741	0.045	-0.002	0.030	0.960	98377		
			rs145568234	G	T	0.986	-0.932	0.129	5.02E-13	14741	0.025	-0.018	0.044	0.688	98377		
			rs148347131	T	C	0.974	0.587	0.082	8.15E-13	14741	0.021	0.032	0.052	0.545	98377		
			rs148571474	T	C	0.971	-0.633	0.105	1.65E-09	14741	0.026	0.072	0.040	0.073	98377		
			rs148600179	C	T	0.828	0.446	0.043	3.32E-25	14741	0.158	-0.004	0.021	0.847	98377		
			rs148759934	T	C	0.984	-0.958	0.148	9.19E-11	14741	0.015	-0.019	0.052	0.721	98377		
			rs169504	A	C	0.852	1.021	0.032	1.00E-200	14741	0.185	0.002	0.016	0.907	98377		
			rs17207622	T	G	0.971	-0.897	0.112	1.16E-15	14741	0.026	-0.039	0.039	0.316	98377		
			rs17208209	A	G	0.981	-1.872	0.234	1.24E-15	14741	0.023	-0.004	0.045	0.935	98377		
			rs184489107	T	C	0.984	1.338	0.110	4.85E-34	14741	0.010	0.177	0.061	0.004	98377		
			rs209139	A	C	0.958	-0.556	0.063	1.09E-18	14741	0.058	0.002	0.027	0.946	98377		
			rs210211	A	G	0.894	0.364	0.047	9.58E-15	14741	0.897	-0.007	0.021	0.752	98377		
			rs2267633	G	A	0.894	-0.524	0.044	3.55E-33	14741	0.123	0.002	0.019	0.914	98377		
			rs2269242	A	G	0.765	0.168	0.030	2.14E-08	14741	0.201	0.011	0.016	0.474	98377		
			rs2383983	G	A	0.612	0.138	0.025	3.39E-08	14741	0.367	0.011	0.013	0.387	98377		
			rs2516491	C	A	0.748	0.841	0.029	6.58E-185	14741	0.274	-0.020	0.014	0.158	98377		
			rs2532924	C	T	0.568	0.359	0.029	3.38E-35	14741	0.567	-0.025	0.012	0.047	98377		
			rs2596501	T	C	0.534	-0.404	0.025	9.66E-59	14741	0.470	0.006	0.013	0.631	98377		
			rs2726039	A	G	0.586	0.147	0.026	1.57E-08	14741	0.401	-0.002	0.013	0.859	98377		
			rs2734973	T	C	0.872	-0.453	0.043	5.97E-26	14741	0.122	0.014	0.019	0.458	98377		
			rs2791332	T	C	0.749	0.328	0.026	1.74E-36	14741	0.288	0.001	0.014	0.924	98377		
			rs2844697	T	C	0.670	0.633	0.027	1.51E-121	14741	0.370	0.008	0.013	0.532	98377		
			rs2844746	C	T	0.633	0.483	0.026	4.94E-77	14741	0.629	-0.005	0.013	0.690	98377		
			rs28752520	C	T	0.739	-1.242	0.041	1.00E-200	14741	0.251	0.010	0.014	0.506	98377		
			rs2894233	G	A	0.985	-1.788	0.243	1.87E-13	14741	0.024	-0.059	0.046	0.202	98377		
			rs3087243	A	G	0.530	-0.178	0.025	1.08E-12	14741	0.450	0.003	0.013	0.819	98377		
			rs3180379	A	C	0.715	-0.829	0.042	1.02E-86	14741	0.265	-0.019	0.016	0.236	98377		
			rs33998987	C	T	0.664	-0.198	0.028	1.53E-12	14741	0.329	-0.016	0.013	0.217	98377		
			rs34302671	G	A	0.903	-0.249	0.043	7.01E-09	14741	0.106	-0.014	0.020	0.484	98377		
			rs34569761	G	A	0.910	0.408	0.035	2.11E-31	14741	0.120	0.011	0.019	0.559	98377		
			rs34613987	T	C	0.919	0.423	0.035	1.26E-33	14741	0.122	0.019	0.019	0.308	98377		
			rs35029304	C	T	0.969	-0.468	0.070	2.30E-11	14741	0.052	-0.049	0.028	0.084	98377		
			rs374532386	T	C	0.973	1.078	0.081	2.06E-40	14741	0.017	-0.010	0.072	0.888	98377		
			rs4850921	T	G	0.619	-0.146	0.026	1.96E-08	14741	0.360	-0.016	0.013	0.208	98377		
			rs4959027	G	A	0.793	2.094	0.061	1.00E-200	14741	0.765	-0.006	0.015	0.668	98377		
			rs499716	A	C	0.897	0.550	0.040	5.09E-43	14741	0.094	0.033	0.022	0.134	98377		
			rs56376830	G	A	0.686	-0.392	0.034	9.38E-31	14741	0.340	0.005	0.013	0.727	98377		
			rs58540156	T	C	0.979	0.818	0.114	7.21E-13	14741	0.014	0.005	0.061	0.935	98377		
			rs6043405	C	T	0.662	0.144	0.026	3.05E-08	14741	0.649	-0.004	0.013	0.748	98377		
			rs62395766	C	A	0.989	-1.077	0.164	5.13E-11	14741	0.016	0.044	0.050	0.376	98377		
			rs6679677	A	C	0.909	0.695	0.038	1.00E-74	14741	0.101	0.028	0.021	0.183	98377		
			rs6902536	G	A	0.901	-1.451	0.083	1.97E-68	14741	0.079	0.000	0.025	0.990	98377		
			rs6908626	T	G	0.823	0.216	0.034	2.11E-10	14741	0.176	-0.011	0.017	0.513	98377		
			rs6926599	G	A	0.973	0.357	0.059	1.44E-09	14741	0.036	0.006	0.033	0.851	98377		
			rs7226035	T	C	0.600	0.162	0.026	4.64E-10	14741	0.647	-0.007	0.013	0.599	98377		

Type 1 diabetes	Severe COVID-19	1403.56	rs10230978	A	G	0.685	-0.154	0.028	3.80E-08	14741	0.273	0.012	0.052	0.824	15815
			rs1042136	C	A	0.789	0.330	0.032	6.19E-25	14741	0.161	0.021	0.042	0.618	16551
			rs10774624	A	G	0.530	-0.291	0.025	2.58E-31	14741	0.514	0.002	0.031	0.937	16551
			rs10814917	G	A	0.527	-0.149	0.025	2.52E-09	14741	0.496	0.042	0.031	0.172	16551
			rs10840595	T	C	0.843	0.225	0.035	1.29E-10	14741	0.166	0.023	0.042	0.581	16551
			rs11042751	C	T	0.781	-0.335	0.039	8.72E-18	14741	0.245	0.034	0.036	0.344	16551
			rs111568057	T	C	0.972	0.814	0.088	2.24E-20	14741	0.021	-0.054	0.109	0.621	16551
			rs114355928	T	G	0.979	1.559	0.077	3.79E-91	14741	0.028	-0.019	0.092	0.840	16551
			rs114653220	C	T	0.976	-1.744	0.222	3.97E-15	14741	0.003	-0.335	0.391	0.392	16551
			rs115008112	A	G	0.908	-0.622	0.069	1.98E-19	14741	0.077	0.008	0.059	0.888	16551
			rs11539216	A	G	0.950	-0.892	0.077	4.94E-31	14741	0.058	0.041	0.067	0.541	16551
			rs115469976	C	T	0.982	1.717	0.091	2.09E-79	14741	0.030	-0.076	0.090	0.402	16551
			rs11727369	A	G	0.623	0.161	0.025	1.19E-10	14741	0.356	-0.007	0.032	0.816	16551
			rs11758136	A	G	0.959	-0.632	0.090	2.18E-12	14741	0.027	-0.069	0.093	0.457	16551
			rs1233478	T	G	0.840	0.558	0.030	3.21E-77	14741	0.200	0.033	0.039	0.395	16551
			rs1264622	T	C	0.842	0.373	0.029	7.36E-38	14741	0.201	-0.017	0.038	0.665	16551
			rs12722496	G	A	0.921	-0.430	0.044	2.41E-23	14741	0.109	-0.041	0.050	0.414	16551
			rs12919083	C	A	0.671	-0.218	0.027	6.80E-16	14741	0.324	-0.005	0.033	0.879	16551
			rs13215	A	C	0.932	-0.378	0.066	1.02E-08	14741	0.051	0.126	0.070	0.070	16551
			rs13437000	C	T	0.812	-0.673	0.038	3.48E-70	14741	0.181	-0.082	0.040	0.042	16551
			rs138522604	G	T	0.985	-1.246	0.198	3.12E-10	14741	0.011	-0.263	0.148	0.076	16551
			rs143933760	T	C	0.989	1.613	0.127	5.85E-37	14741	0.008	-0.082	0.185	0.659	16551
			rs144112342	C	T	0.980	-1.231	0.142	4.36E-18	14741	0.025	0.124	0.103	0.229	16551
			rs145130687	G	T	0.973	-0.684	0.082	7.34E-17	14741	0.045	0.019	0.074	0.795	16551
			rs145568234	G	T	0.986	-0.932	0.129	5.02E-13	14741	0.024	-0.119	0.109	0.275	16551
			rs148347131	T	C	0.974	0.587	0.082	8.15E-13	14741	0.021	0.381	0.126	0.002	16551
			rs148571474	T	C	0.971	-0.633	0.105	1.65E-09	14741	0.027	0.013	0.096	0.896	16551
			rs148600179	C	T	0.828	0.446	0.043	3.32E-25	14741	0.157	-0.069	0.053	0.189	16551
			rs148759934	T	C	0.984	-0.959	0.148	9.19E-11	14741	0.015	0.002	0.129	0.990	16551
			rs169504	A	C	0.852	1.021	0.032	1.00E-200	14741	0.186	0.023	0.040	0.570	16551
			rs17207622	T	G	0.971	-0.897	0.112	1.16E-15	14741	0.026	-0.096	0.096	0.320	16551
			rs17208209	A	G	0.981	-1.872	0.234	1.24E-15	14741	0.023	-0.157	0.113	0.163	16551
			rs184489107	T	C	0.984	1.338	0.110	4.85E-34	14741	0.012	0.145	0.142	0.308	16551
			rs209139	A	C	0.958	-0.556	0.063	1.09E-18	14741	0.059	0.033	0.065	0.609	16551
			rs210211	A	G	0.894	0.364	0.047	9.58E-15	14741	0.896	-0.087	0.050	0.083	16551
			rs2267633	G	A	0.894	-0.528	0.044	3.55E-33	14741	0.123	0.053	0.047	0.263	16551
			rs2269242	A	G	0.765	0.168	0.030	2.14E-08	14741	0.203	-0.002	0.038	0.966	16551
			rs2383983	G	A	0.612	0.138	0.025	3.39E-08	14741	0.369	-0.019	0.032	0.557	16551
			rs2516491	C	A	0.748	0.841	0.029	6.58E-185	14741	0.272	-0.024	0.035	0.489	16551
			rs2532924	C	T	0.568	0.359	0.029	3.38E-35	14741	0.563	0.039	0.031	0.206	16551
			rs2596501	T	C	0.534	-0.404	0.025	9.66E-59	14741	0.469	-0.041	0.031	0.187	16551
			rs2726039	A	G	0.586	0.147	0.026	1.57E-08	14741	0.399	-0.008	0.032	0.789	16551
			rs2734973	T	C	0.872	-0.453	0.043	5.97E-26	14741	0.123	-0.044	0.047	0.349	16551
			rs2791332	T	C	0.749	0.328	0.026	1.74E-36	14741	0.289	0.004	0.034	0.900	16551
			rs2844697	T	C	0.670	0.633	0.027	1.51E-121	14741	0.372	0.019	0.031	0.546	16551
			rs2844746	C	T	0.633	0.483	0.026	4.94E-77	14741	0.628	0.007	0.032	0.829	16551
			rs28752520	C	T	0.739	-1.242	0.041	1.00E-200	14741	0.252	-0.053	0.036	0.138	16551
			rs2894233	G	A	0.985	-1.788	0.243	1.87E-13	14741	0.023	0.186	0.117	0.110	16551
			rs3087243	A	G	0.530	-0.178	0.025	1.08E-12	14741	0.451	-0.015	0.031	0.637	16551
			rs3180379	A	C	0.715	-0.829	0.042	1.02E-86	14741	0.262	-0.029	0.040	0.466	16551
			rs33998987	C	T	0.664	-0.198	0.028	1.53E-12	14741	0.326	-0.004	0.033	0.897	16551
			rs34302671	G	A	0.903	-0.249	0.043	7.01E-09	14741	0.105	0.063	0.050	0.213	16551
			rs34569761	G	A	0.910	0.408	0.035	2.11E-31	14741	0.122	-0.010	0.048	0.835	16551
			rs34613987	T	C	0.919	0.423	0.035	1.26E-33	14741	0.125	-0.001	0.047	0.982	16551
			rs35029304	C	T	0.969	-0.468	0.070	2.30E-11	14741	0.050	-0.100	0.073	0.170	16551
			rs374532386	T	C	0.973	1.078	0.081	2.06E-40	14741	0.017	0.086	0.176	0.626	16551
			rs4850921	T	G	0.619	-0.146	0.026	1.96E-08	14741	0.357	0.030	0.032	0.349	16551
			rs4959027	G	A	0.793	2.094	0.061	1.00E-200	14741	0.764	0.008	0.036	0.836	16551
			rs4999716	A	C	0.897	0.550	0.040	5.09E-43	14741	0.095	0.050	0.054	0.353	16551
			rs56376830	G	A	0.686	-0.392	0.034	9.38E-31	14741	0.342	0.018	0.032	0.581	16551
			rs58540156	T	C	0.979	0.818	0.114	7.21E-13	14741	0.014	0.175	0.151	0.244	16551
			rs6043405	C	T	0.662	0.144	0.026	3.05E-08	14741	0.648	-0.010	0.032	0.762	16551
			rs62395766	C	A	0.989	-1.077	0.164	5.13E-11	14741	0.016	-0.135	0.120	0.263	16551
			rs6679677	A	C	0.909	0.695	0.038	1.00E-74	14741	0.104	0.032	0.050	0.527	16551
			rs6902536	G	A	0.901	-1.451	0.083	1.97E-68	14741	0.078	-0.005	0.061	0.928	16551
			rs6908626	T	G	0.823	0.216	0.034	2.11E-10	14741	0.175	0.006	0.041	0.881	16551
			rs6926599	A	G	0.973	0.357	0.059	1.44E-09	14741	0.037	0.066	0.081	0.416	16551
			rs7226035	T	C	0.606	0.162	0.026	4.64E-10	14741	0.646	-0.021	0.032	0.525	16551
			rs7297175	C	T	0.588	-0.246	0.025	7.57E-23	14741	0.576	-0.009	0.031	0.783	16551
			rs74598819	G	A	0.982	0.986	0.117	3.54E-17	14741	0.018	-0.108	0.113	0.340	16551
			rs7481173	T	C	0.674	0.242	0.029	7.13E-17	14741	0.339	-0.007	0.033	0.827	16551
			rs767896	T	C	0.653	-0.282	0.029	2.38E-22	14741	0.297	-0.004	0.034	0.917	16551
			rs7766015	C	T	0.560	-0.266	0.025	1.94E-26	14741	0.576	0.024	0.031	0.438	16551
			rs7776597	G	A	0.973	0.363	0.066	3.80E-08	14741	0.953	-0.094	0.073	0.198	16551
			rs78037977	G	A	0.882	-0.249	0.042	3.06E-09	147					

Type 1 diabetes	COVID-19 death	1403.56	rs10230978	A	G	0.685	-0.154	0.028	3.80E-08	14741	0.273	0.039	0.055	0.472	15815
			rs1042136	C	A	0.789	0.330	0.032	6.19E-25	14741	0.162	-0.014	0.067	0.831	15815
			rs10774624	A	G	0.530	-0.291	0.025	2.58E-31	14741	0.515	0.001	0.050	0.989	15815
			rs10814917	G	A	0.527	-0.149	0.025	2.52E-09	14741	0.495	0.072	0.049	0.143	15815
			rs10840595	T	C	0.843	0.225	0.035	1.29E-10	14741	0.165	-0.009	0.067	0.890	15815
			rs11042751	C	T	0.781	-0.335	0.039	8.72E-18	14741	0.244	-0.001	0.054	0.980	15815
			rs111568057	T	C	0.972	0.814	0.088	2.24E-20	14741	0.021	0.010	0.164	0.950	15815
			rs114355928	T	G	0.979	1.559	0.077	3.79E-91	14741	0.028	0.010	0.136	0.942	15815
			rs114653220	C	T	0.976	-1.744	0.222	3.97E-15	14741	0.003	-0.781	0.600	0.193	15815
			rs115008112	A	G	0.908	-0.622	0.069	1.98E-19	14741	0.077	-0.179	0.087	0.041	15815
			rs11539216	A	G	0.950	-0.892	0.077	4.94E-31	14741	0.058	-0.064	0.102	0.526	15815
			rs115469976	C	T	0.982	1.717	0.091	2.09E-79	14741	0.030	0.040	0.135	0.768	15815
			rs11727369	A	G	0.623	0.161	0.025	1.19E-10	14741	0.356	-0.003	0.048	0.956	15815
			rs11758136	A	G	0.959	-0.632	0.090	2.18E-12	14741	0.027	-0.016	0.140	0.910	15815
			rs1233478	T	G	0.840	0.558	0.030	3.21E-77	14741	0.199	0.086	0.058	0.136	15815
			rs1264622	T	C	0.842	0.373	0.029	7.36E-38	14741	0.201	0.055	0.058	0.341	15815
			rs12722496	G	A	0.921	-0.438	0.044	2.41E-23	14741	0.109	0.007	0.075	0.921	15815
			rs12919083	C	A	0.671	-0.218	0.027	6.80E-16	14741	0.324	-0.023	0.050	0.639	15815
			rs13215	A	C	0.932	-0.378	0.066	1.02E-08	14741	0.051	-0.024	0.105	0.820	15815
			rs13437000	C	T	0.812	-0.673	0.038	3.48E-70	14741	0.182	-0.125	0.061	0.041	15815
			rs138522604	G	T	0.985	-1.246	0.198	3.12E-10	14741	0.012	-0.044	0.225	0.845	15815
			rs143933760	T	C	0.989	1.613	0.127	5.85E-37	14741	0.008	-0.042	0.278	0.880	15815
			rs144112342	C	T	0.980	-1.231	0.142	4.36E-18	14741	0.025	-0.044	0.153	0.772	15815
			rs145130687	G	T	0.973	-0.684	0.082	7.34E-17	14741	0.045	-0.003	0.111	0.981	15815
			rs145568234	G	T	0.986	-0.932	0.129	5.02E-13	14741	0.025	0.031	0.164	0.848	15815
			rs148347131	T	C	0.974	0.587	0.082	8.15E-13	14741	0.021	0.151	0.190	0.427	15815
			rs148571474	T	C	0.971	-0.633	0.105	1.65E-09	14741	0.027	0.315	0.142	0.027	15815
			rs148600179	C	T	0.828	0.446	0.043	3.32E-25	14741	0.157	-0.067	0.080	0.405	15815
			rs148759934	T	C	0.984	-0.959	0.148	9.19E-11	14741	0.015	0.082	0.199	0.680	15815
			rs169504	A	C	0.852	0.101	0.032	1.00E-200	14741	0.186	0.051	0.060	0.401	15815
			rs17207622	T	G	0.971	-0.897	0.112	1.16E-15	14741	0.026	-0.185	0.142	0.193	15815
			rs17208209	G	A	0.981	-1.872	0.234	1.24E-15	14741	0.023	-0.091	0.170	0.593	15815
			rs184489107	T	C	0.984	1.338	0.110	4.85E-34	14741	0.012	0.008	0.213	0.969	15815
			rs209139	A	C	0.958	-0.556	0.063	1.09E-18	14741	0.059	0.051	0.098	0.606	15815
			rs210211	A	G	0.894	0.364	0.047	9.58E-15	14741	0.897	-0.043	0.076	0.568	15815
			rs2267633	G	A	0.894	-0.528	0.044	3.55E-33	14741	0.124	-0.013	0.071	0.856	15815
			rs2269242	A	G	0.765	0.168	0.030	2.14E-08	14741	0.203	0.060	0.058	0.301	15815
			rs2383983	G	A	0.612	0.138	0.025	3.39E-08	14741	0.368	0.057	0.049	0.238	15815
			rs2516491	C	A	0.748	0.841	0.029	6.58E-185	14741	0.271	0.020	0.053	0.706	15815
			rs2532924	C	T	0.568	0.359	0.029	3.38E-35	14741	0.563	0.012	0.046	0.802	15815
			rs2596501	T	C	0.534	-0.404	0.025	9.66E-59	14741	0.470	-0.002	0.046	0.962	15815
			rs2726039	G	A	0.586	0.147	0.026	1.57E-08	14741	0.400	-0.021	0.048	0.668	15815
			rs2734973	T	C	0.872	-0.453	0.043	5.97E-26	14741	0.123	-0.123	0.070	0.079	15815
			rs2791332	T	C	0.749	0.328	0.026	1.74E-36	14741	0.289	0.052	0.051	0.310	15815
			rs2844697	T	C	0.670	0.633	0.027	1.51E-121	14741	0.371	0.002	0.047	0.969	15815
			rs2847476	C	T	0.633	0.483	0.026	4.94E-77	14741	0.627	0.000	0.049	0.996	15815
			rs28752520	C	T	0.739	-1.242	0.041	1.00E-200	14741	0.252	-0.034	0.054	0.524	15815
			rs2894233	G	A	0.985	-1.788	0.243	1.87E-13	14741	0.024	-0.358	0.175	0.041	15815
			rs3087243	A	G	0.530	-0.178	0.025	1.08E-12	14741	0.451	-0.056	0.047	0.231	15815
			rs3180379	A	C	0.715	-0.829	0.042	1.02E-86	14741	0.262	-0.122	0.060	0.041	15815
			rs33998987	C	T	0.664	-0.198	0.028	1.53E-12	14741	0.326	0.031	0.050	0.534	15815
			rs34302671	G	A	0.903	-0.249	0.043	7.01E-09	14741	0.105	0.057	0.075	0.453	15815
			rs34569761	G	A	0.910	0.408	0.035	2.11E-31	14741	0.122	0.179	0.071	0.012	15815
			rs34613987	T	C	0.919	0.423	0.035	1.26E-33	14741	0.125	0.121	0.069	0.081	15815
			rs35029304	C	T	0.969	-0.468	0.070	2.30E-11	14741	0.050	-0.002	0.110	0.987	15815
			rs374532386	T	C	0.973	1.078	0.081	2.06E-40	14741	0.017	-0.190	0.266	0.475	15815
			rs4850921	T	G	0.619	-0.146	0.026	1.96E-08	14741	0.358	-0.003	0.048	0.946	15815
			rs4959027	G	A	0.793	2.094	0.061	1.00E-200	14741	0.764	0.170	0.055	0.002	15815
			rs4999716	A	C	0.897	0.550	0.040	5.09E-43	14741	0.096	-0.057	0.081	0.482	15815
			rs56376830	G	A	0.686	-0.392	0.034	9.38E-31	14741	0.341	0.066	0.049	0.174	15815
			rs58540156	T	C	0.979	0.818	0.114	7.21E-13	14741	0.013	0.043	0.231	0.853	15815
			rs6043405	C	T	0.662	0.144	0.026	3.05E-08	14741	0.647	0.027	0.049	0.577	15815
			rs62395766	C	A	0.989	-1.077	0.164	5.13E-11	14741	0.016	-0.334	0.183	0.068	15815
			rs6676977	A	C	0.909	0.695	0.038	1.00E-74	14741	0.103	-0.026	0.075	0.725	15815
			rs6902536	G	A	0.901	-1.451	0.083	1.97E-68	14741	0.079	-0.027	0.093	0.775	15815
			rs6908626	T	G	0.823	0.216	0.034	2.11E-10	14741	0.175	0.011	0.062	0.854	15815
			rs6926599	A	G	0.973	0.357	0.059	1.44E-09	14741	0.037	0.142	0.120	0.238	15815
			rs7226035	T	C	0.606	0.162	0.026	4.64E-10	14741	0.645	-0.032	0.049	0.515	15815
			rs7297175	C	T	0.588	-0.246	0.025	7.57E-23	14741	0.576	-0.007	0.047	0.881	15815
			rs74598819	G	A	0.982	0.986	0.117	3.54E-17	14741	0.019	-0.007	0.170	0.969	15815
			rs7481173	T	G	0.674	0.242	0.029	7.13E-17	14741	0.339	-0.014	0.049	0.772	15815
			rs767896	T	C	0.653	-0.282	0.029	2.38E-22	14741	0.297	-0.003	0.051	0.959	15815
			rs7766015	C	T	0.560	-0.266	0.025	1.94E-26	14741	0.576	0.059	0.047	0.208	15815
			rs7776597	G	A	0.973	0.363	0.066	3.80E-08	14741	0.953	0.003	0.109	0.975	15815
			rs78037977	G	A	0.882	-0.249	0.042	3.06E-09	14741					

Type 1 diabetes	COVID-19 recovery time with colchicine treatment	357.72	rs115008112	A	G	0.908	-0.622	0.069	1.98E-19	14741	0.077	-0.154	0.092	0.096	15815
			rs11539216	A	G	0.950	-0.892	0.077	4.94E-31	14741	0.058	-0.141	0.107	0.187	15815
			rs115469976	C	T	0.982	1.717	0.091	2.09E-79	14741	0.030	-0.014	0.142	0.922	15815
			rs11727369	A	G	0.623	0.161	0.025	1.19E-10	14741	0.356	-0.005	0.051	0.914	15815
			rs11758136	A	G	0.959	-0.632	0.090	2.18E-12	14741	0.027	-0.037	0.148	0.801	15815
			rs1233478	T	G	0.840	0.558	0.030	3.21E-77	14741	0.199	0.098	0.061	0.108	15815
			rs1264622	T	C	0.842	0.373	0.029	7.36E-38	14741	0.201	0.065	0.061	0.285	15815
			rs12722496	G	A	0.921	-0.438	0.044	2.41E-23	14741	0.109	0.012	0.080	0.882	15815
			rs12919083	C	A	0.671	-0.218	0.027	6.80E-16	14741	0.324	-0.026	0.052	0.615	15815
			rs13215	A	C	0.932	-0.378	0.066	1.02E-08	14741	0.051	-0.056	0.111	0.615	15815
			rs13437000	C	T	0.812	-0.673	0.038	3.48E-70	14741	0.182	-0.117	0.064	0.070	15815
			rs138522604	G	T	0.985	-1.246	0.198	3.12E-10	14741	0.012	0.041	0.237	0.862	15815
			rs143933760	T	C	0.988	1.613	0.127	5.85E-37	14741	0.008	-0.078	0.292	0.790	15815
			rs144112342	C	T	0.980	-1.231	0.142	4.36E-18	14741	0.025	-0.034	0.161	0.834	15815
			rs145130687	G	T	0.973	-0.684	0.082	7.34E-17	14741	0.045	-0.022	0.117	0.851	15815
			rs145568234	G	T	0.986	-0.932	0.129	5.02E-13	14741	0.025	0.060	0.172	0.726	15815
			rs148347131	T	C	0.974	0.587	0.082	8.15E-13	14741	0.021	0.264	0.200	0.186	15815
			rs148571474	T	C	0.971	-0.633	0.105	1.65E-09	14741	0.027	0.274	0.150	0.067	15815
			rs148600179	C	T	0.828	0.446	0.043	3.32E-25	14741	0.157	-0.027	0.084	0.751	15815
			rs148759934	T	C	0.984	-0.959	0.148	9.19E-11	14741	0.015	0.067	0.211	0.749	15815
			rs169504	A	C	0.852	1.021	0.032	1.00E-200	14741	0.186	0.022	0.064	0.734	15815
			rs17207622	T	G	0.971	-0.897	0.112	1.16E-15	14741	0.026	-0.157	0.150	0.296	15815
			rs17208209	G	A	0.981	-1.872	0.234	1.24E-15	14741	0.023	-0.175	0.179	0.329	15815
			rs184489107	T	C	0.984	1.338	0.110	4.85E-34	14741	0.012	-0.144	0.224	0.521	15815
			rs209139	A	C	0.958	-0.556	0.063	1.09E-18	14741	0.059	0.026	0.104	0.806	15815
			rs210211	A	G	0.894	0.364	0.047	9.58E-15	14741	0.897	-0.055	0.080	0.496	15815
			rs2267633	G	A	0.894	-0.528	0.044	3.55E-33	14741	0.124	0.007	0.075	0.928	15815
			rs2269242	A	G	0.765	0.168	0.030	2.14E-08	14741	0.203	0.042	0.061	0.488	15815
			rs2383983	G	A	0.612	0.138	0.025	3.39E-08	14741	0.368	0.051	0.051	0.317	15815
			rs2516491	C	A	0.748	0.841	0.029	6.58E-185	14741	0.271	0.012	0.055	0.830	15815
			rs2532924	C	T	0.568	0.359	0.029	3.38E-35	14741	0.563	-0.006	0.049	0.906	15815
			rs2596501	T	C	0.534	-0.404	0.025	9.66E-59	14741	0.470	-0.003	0.049	0.947	15815
			rs2726039	A	G	0.586	0.147	0.026	1.57E-08	14741	0.400	-0.029	0.051	0.565	15815
			rs2734973	T	C	0.872	-0.453	0.043	5.97E-26	14741	0.123	-0.101	0.074	0.171	15815
			rs2791332	T	C	0.749	0.328	0.026	1.74E-36	14741	0.289	0.073	0.054	0.179	15815
			rs2844697	T	C	0.670	0.633	0.027	1.51E-121	14741	0.371	0.010	0.050	0.837	15815
			rs2844746	C	T	0.633	0.483	0.026	4.94E-77	14741	0.627	0.008	0.051	0.872	15815
			rs28752520	C	T	0.739	-1.242	0.041	1.00E-200	14741	0.252	-0.022	0.057	0.697	15815
			rs2894233	G	A	0.985	-1.788	0.243	1.87E-13	14741	0.024	-0.303	0.185	0.102	15815
			rs3087243	A	G	0.530	-0.178	0.025	1.08E-12	14741	0.451	-0.063	0.049	0.203	15815
			rs3180379	C	A	0.715	-0.829	0.042	1.02E-86	14741	0.262	-0.102	0.063	0.104	15815
			rs33998987	C	T	0.664	-0.198	0.028	1.53E-12	14741	0.326	0.015	0.052	0.779	15815
			rs34302671	G	A	0.903	-0.249	0.043	7.01E-09	14741	0.105	0.035	0.079	0.656	15815
			rs34569761	G	A	0.910	0.408	0.035	2.11E-31	14741	0.122	0.230	0.075	0.002	15815
			rs34613987	T	C	0.919	0.423	0.035	1.26E-33	14741	0.125	0.138	0.073	0.059	15815
			rs35029304	C	T	0.969	-0.464	0.070	2.30E-11	14741	0.050	0.043	0.117	0.713	15815
			rs374532386	T	C	0.973	1.078	0.081	2.06E-40	14741	0.017	-0.233	0.279	0.405	15815
			rs4850921	G	T	0.619	-0.146	0.026	1.96E-08	14741	0.358	-0.021	0.051	0.681	15815
			rs4959027	G	A	0.793	2.094	0.061	1.00E-200	14741	0.764	0.179	0.058	0.002	15815
			rs4999716	A	C	0.897	0.550	0.040	5.09E-43	14741	0.096	-0.070	0.086	0.416	15815
			rs56376830	G	A	0.686	-0.392	0.034	9.38E-31	14741	0.341	0.041	0.051	0.419	15815
			rs58540156	T	C	0.979	0.818	0.114	7.21E-13	14741	0.013	0.152	0.243	0.533	15815
			rs6043405	C	T	0.662	0.144	0.026	3.05E-08	14741	0.647	0.019	0.051	0.717	15815
			rs62395766	C	A	0.989	-1.077	0.164	5.13E-11	14741	0.016	-0.384	0.193	0.046	15815
			rs6679677	C	A	0.909	0.695	0.038	1.00E-74	14741	0.103	0.013	0.079	0.865	15815
			rs6902536	G	A	0.901	-1.451	0.083	1.97E-68	14741	0.079	0.009	0.099	0.924	15815
			rs6908626	T	G	0.823	0.216	0.034	2.11E-10	14741	0.175	0.022	0.066	0.739	15815
			rs6926599	A	G	0.973	0.357	0.059	1.44E-09	14741	0.037	0.076	0.126	0.549	15815
			rs7226035	T	C	0.606	0.162	0.026	4.64E-10	14741	0.645	-0.038	0.051	0.460	15815
			rs7297175	C	T	0.588	-0.246	0.025	7.57E-23	14741	0.576	-0.012	0.050	0.806	15815
			rs74598819	G	T	0.982	0.986	0.117	3.54E-17	14741	0.019	-0.022	0.179	0.902	15815
			rs7481173	T	G	0.674	0.242	0.029	7.13E-17	14741	0.339	-0.009	0.052	0.858	15815
			rs767896	T	C	0.653	-0.282	0.029	2.38E-22	14741	0.297	0.008	0.054	0.882	15815
			rs7766015	C	T	0.560	-0.266	0.025	1.94E-26	14741	0.576	0.048	0.050	0.334	15815
			rs7776597	G	A	0.973	0.363	0.066	3.80E-08	14741	0.953	-0.007	0.115	0.952	15815
			rs78037977	G	A	0.882	-0.249	0.042	3.06E-09	14741	0.125	0.065	0.074	0.381	15815
			rs80054410	C	T	0.643	0.175	0.025	2.56E-12	14741	0.371	0.008	0.051	0.878	15815
			rs8283	G	A	0.792	-0.736	0.041	4.69E-72	14741	0.173	-0.040	0.065	0.535	15815
			rs9262551	C	T	0.973	1.167	0.085	6.77E-43	14741	0.022	-0.186	0.165	0.258	15815
			rs9276931	G	A	0.912	0.873	0.038	8.54E-117	14741	0.116	0.091	0.076	0.234	15815
			rs9366622	C	T	0.862	-0.327	0.034	6.74E-22	14741	0.858	-0.163	0.071	0.021	15815
			rs9380199	G	A	0.685	0.167	0.027	6.20E-10	14741	0.276	0.072	0.055	0.187	15815
			rs9467638	A	G	0.950	0.365	0.057	1.52E-10	14741	0.046	0.072	0.119	0.547	15815
			rs9501640	C	A	0.989	-1.738	0.199	2.47E-18	14741	0.014	0.191	0.216	0.378	15815
			rs10814914	C	T	0.531	-0.146	0.025	5.22E-09	1474					

Type 1 diabetes COVID-19 recovery time with placebo treatment	360.65	rs2174281 C T 0.541 0.151 0.025 1.54E-09 14741 0.480 -0.013 0.057 0.820 872
		rs2301055 C T 0.766 0.169 0.031 4.99E-08 14741 0.200 0.019 0.073 0.800 872
		rs231779 T C 0.647 0.176 0.025 1.92E-12 14741 0.340 -0.130 0.061 0.037 872
		rs2523948 T G 0.603 0.349 0.026 4.43E-41 14741 0.420 0.071 0.059 0.230 872
		rs28752520 C T 0.739 -1.242 0.041 1.00E-200 14741 0.330 0.069 0.063 0.270 872
		rs3117192 C T 0.884 0.355 0.045 3.05E-15 14741 0.120 0.098 0.090 0.280 872
		rs3129823 A G 0.902 0.575 0.033 5.40E-68 14741 0.082 0.000 0.110 1.000 872
		rs3130627 T G 0.855 0.908 0.030 1.00E-200 14741 0.140 0.025 0.085 0.770 872
		rs3132572 A G 0.906 0.646 0.048 2.75E-41 14741 0.073 0.060 0.110 0.600 872
		rs34767257 A G 0.925 0.875 0.045 3.25E-84 14741 0.066 -0.013 0.120 0.920 872
		rs35718543 A G 0.907 -0.343 0.053 9.69E-11 14741 0.110 -0.034 0.091 0.710 872
		rs449073 G T 0.675 0.395 0.028 3.43E-45 14741 0.300 0.073 0.063 0.250 872
		rs4713691 A G 0.766 0.235 0.027 3.21E-18 14741 0.250 0.005 0.066 0.940 872
		rs4850921 T G 0.619 -0.146 0.026 1.96E-08 14741 0.340 -0.090 0.060 0.130 872
		rs5753025 C T 0.601 -0.164 0.025 5.38E-11 14741 0.420 -0.045 0.060 0.450 872
		rs59233561 T C 0.948 -0.501 0.054 1.73E-20 14741 0.080 0.076 0.100 0.460 872
		rs6043409 G A 0.660 0.143 0.026 3.80E-08 14741 0.350 -0.053 0.062 0.390 872
		rs62636895 A G 0.919 -0.442 0.057 8.88E-15 14741 0.093 0.030 0.097 0.760 872
		rs6827756 C T 0.622 -0.160 0.025 1.55E-10 14741 0.380 0.009 0.061 0.880 872
		rs6930138 A G 0.560 -0.266 0.025 1.94E-26 14741 0.440 -0.130 0.061 0.033 872
		rs6933763 G A 0.915 -0.472 0.055 9.34E-18 14741 0.098 -0.120 0.097 0.220 872
		rs71565361 A C 0.940 -0.640 0.068 4.88E-21 14741 0.066 0.340 0.110 0.002 872
		rs7226035 T C 0.606 0.162 0.026 4.64E-10 14741 0.400 -0.130 0.058 0.023 872
		rs73402240 T C 0.967 -0.607 0.083 2.61E-13 14741 0.052 0.022 0.130 0.860 872
		rs7776597 G A 0.973 0.363 0.066 3.80E-08 14741 0.050 -0.130 0.140 0.350 872
		rs77831222 A G 0.953 0.446 0.061 2.64E-13 14741 0.063 0.036 0.120 0.760 872
		rs78037977 G A 0.882 -0.249 0.042 3.06E-09 14741 0.120 -0.019 0.088 0.830 872
		rs8283 G A 0.792 -0.736 0.041 4.69E-72 14741 0.210 0.120 0.069 0.095 872
		rs9257802 T C 0.841 0.482 0.030 4.37E-58 14741 0.150 0.058 0.084 0.490 872
		rs9268005 A C 0.666 1.131 0.034 1.00E-200 14741 0.310 -0.066 0.061 0.280 872
		rs9277517 A G 0.798 0.303 0.034 5.02E-19 14741 0.320 -0.110 0.063 0.079 872
		rs9366622 C T 0.862 -0.327 0.034 6.74E-22 14741 0.120 -0.040 0.088 0.650 872
		rs9393867 T C 0.870 -0.241 0.041 4.15E-09 14741 0.130 0.140 0.085 0.096 872
		rs10814914 C T 0.531 -0.146 0.025 5.22E-09 14741 0.460 -0.063 0.058 0.280 851
		rs11065979 T C 0.561 0.270 0.025 3.44E-27 14741 0.440 0.040 0.059 0.500 851
		rs11171739 T C 0.585 -0.241 0.025 5.42E-22 14741 0.420 0.029 0.058 0.610 851
		rs11964507 T C 0.950 0.294 0.052 1.57E-08 14741 0.067 0.032 0.110 0.770 851
		rs12126425 G A 0.893 0.297 0.038 5.46E-15 14741 0.100 -0.077 0.095 0.420 851
		rs1225716 C A 0.749 0.328 0.026 1.74E-36 14741 0.270 -0.085 0.068 0.210 851
		rs12828640 G A 0.578 -0.171 0.025 7.92E-12 14741 0.440 0.052 0.059 0.380 851
		rs1468253 C T 0.833 -0.198 0.034 5.76E-09 14741 0.170 -0.059 0.077 0.450 851
		rs17133805 G T 0.684 -0.154 0.028 3.80E-08 14741 0.290 0.039 0.063 0.540 851
		rs17177816 A G 0.960 -0.661 0.068 2.46E-22 14741 0.060 -0.068 0.120 0.590 851
		rs17212350 G A 0.762 -1.319 0.047 2.71E-173 14741 0.290 0.020 0.064 0.750 851
		rs2071590 G A 0.636 0.627 0.029 1.15E-103 14741 0.370 -0.019 0.062 0.760 851
		rs210120 G A 0.572 0.273 0.025 9.25E-28 14741 0.490 -0.043 0.057 0.450 851
		rs2174281 C T 0.541 0.151 0.025 1.54E-09 14741 0.500 -0.036 0.058 0.540 851
		rs2253802 T C 0.957 -0.405 0.071 1.17E-08 14741 0.051 -0.050 0.140 0.720 851
		rs2301055 C T 0.766 0.169 0.031 4.99E-08 14741 0.200 -0.020 0.071 0.780 851
		rs231779 T C 0.647 0.176 0.025 1.92E-12 14741 0.320 -0.059 0.064 0.350 851
		rs2523948 T G 0.603 0.349 0.026 4.43E-41 14741 0.460 -0.051 0.056 0.370 851
		rs28752520 C T 0.739 -1.242 0.041 1.00E-200 14741 0.330 0.097 0.063 0.130 851
		rs3117192 C T 0.884 0.355 0.045 3.05E-15 14741 0.120 -0.062 0.090 0.490 851
		rs3129823 A G 0.902 0.575 0.033 5.40E-68 14741 0.093 -0.027 0.110 0.810 851
		rs3130627 T G 0.855 0.908 0.030 1.00E-200 14741 0.150 -0.006 0.087 0.950 851
		rs3132572 A G 0.906 0.646 0.048 2.75E-41 14741 0.078 -0.150 0.120 0.180 851
		rs34767257 A G 0.925 0.875 0.045 3.25E-84 14741 0.068 -0.130 0.120 0.270 851
		rs35718543 A G 0.907 -0.343 0.053 9.69E-11 14741 0.120 0.110 0.086 0.190 851
		rs449073 G T 0.675 0.395 0.028 3.43E-45 14741 0.290 -0.015 0.065 0.810 851
		rs4713691 A G 0.766 0.235 0.027 3.21E-18 14741 0.260 -0.051 0.066 0.450 851
		rs4850921 T G 0.619 -0.146 0.026 1.96E-08 14741 0.360 0.076 0.059 0.200 851
		rs5753025 C T 0.601 -0.164 0.025 5.38E-11 14741 0.400 0.075 0.062 0.220 851
		rs59233561 T C 0.948 -0.501 0.054 1.73E-20 14741 0.073 -0.150 0.120 0.190 851
		rs6043409 G A 0.660 0.143 0.026 3.80E-08 14741 0.350 -0.110 0.058 0.065 851
		rs62636895 A G 0.919 -0.442 0.057 8.88E-15 14741 0.090 -0.160 0.100 0.120 851
		rs6827756 C T 0.622 -0.160 0.025 1.55E-10 14741 0.380 0.023 0.060 0.700 851
		rs6930138 A G 0.560 -0.266 0.025 1.94E-26 14741 0.420 0.011 0.058 0.850 851
		rs6933763 G A 0.915 -0.472 0.055 9.34E-18 14741 0.093 0.110 0.095 0.260 851
		rs71565361 A C 0.940 -0.640 0.068 4.88E-21 14741 0.066 -0.140 0.120 0.240 851
		rs7226035 T C 0.606 0.162 0.026 4.64E-10 14741 0.390 0.140 0.061 0.025 851
		rs77831222 A G 0.953 0.446 0.061 2.64E-13 14741 0.057 -0.055 0.130 0.670 851
		rs78037977 G A 0.882 -0.249 0.042 3.06E-09 14741 0.110 0.120 0.091 0.200 851
		rs8283 G A 0.792 -0.736 0.041 4.69E-72 14741 0.210 0.028 0.071 0.700 851
		rs9257802 T C 0.841 0.482 0.030 4.37E-58 14741 0.140 0.130 0.084 0.120 851
		rs9268005 A C 0.666 1.131 0.034 1.00E-200 14741 0.300 0.064 0.064 0.320 851
		rs9277517 A G 0.798 0.303 0.034 5.02E-19 14741 0.340 -0.059 0.061 0.330 851
		rs9366622 C T 0.862 -0.327 0.034 6.74E-22 14741 0.120 0.110 0.096 0.230 851
		rs9393867 T C 0.870 -0.241 0.041 4.15E-09 14741 0.130 -0.084 0.089 0.340 851

Notes: MR: mendelian randomization, A1: effect allele; A2: other allele; beta: estimate coefficient; se: standard error of coefficient estimate.