

Supplement Table 1 Characteristics of the SNPs associated with insomnia and T2DM

SNP	EA	EAF	Associations with insomnia			Associations with T2DM		
			Beta	SE	P	Beta	SE	P
rs1031654	A	0.800	-0.051	0.007	0.000	-0.027	0.010	0.005
rs1038093	T	0.628	0.039	0.005	0.000	0.002	0.008	0.780
rs10756571	T	0.685	0.036	0.005	0.000	0.005	0.008	0.579
rs10758593	G	0.601	0.036	0.007	0.000	-0.052	0.007	0.000
rs10761240	G	0.604	0.043	0.007	0.000	0.013	0.008	0.119
rs10800992	T	0.443	0.042	0.005	0.000	0.008	0.008	0.321
rs10944696	G	0.702	0.038	0.007	0.000	0.009	0.009	0.313
rs10947428	C	0.214	0.068	0.005	0.000	0.014	0.010	0.158
rs10947690	G	0.259	0.047	0.007	0.000	0.011	0.009	0.234
rs10955647	T	0.532	0.033	0.007	0.000	0.002	0.008	0.776
rs11001276	T	0.260	0.038	0.007	0.000	0.030	0.009	0.001
rs11057089	C	0.566	0.054	0.007	0.000	0.008	0.008	0.320
rs11090039	A	0.287	0.039	0.005	0.000	0.006	0.009	0.506
rs11119409	C	0.413	0.035	0.007	0.000	-0.013	0.008	0.106
rs11149313	G	0.270	-0.040	0.005	0.000	-0.015	0.009	0.096
rs113092074	T	0.144	0.059	0.010	0.000	-0.001	0.011	0.907
rs1147852	A	0.310	0.039	0.005	0.000	0.002	0.009	0.836
rs11588755	G	0.478	0.035	0.007	0.000	-0.008	0.008	0.292
rs11605348	G	0.651	0.045	0.007	0.000	-0.022	0.008	0.007
rs116466468	T	0.759	0.044	0.007	0.000	0.011	0.009	0.219
rs1167132	T	0.392	0.035	0.007	0.000	-0.005	0.008	0.526
rs11756035	C	0.128	0.051	0.010	0.000	-0.022	0.012	0.061
rs11803128	G	0.346	0.041	0.005	0.000	0.006	0.008	0.439
rs12030482	A	0.220	0.041	0.007	0.000	0.007	0.009	0.455
rs12251016	T	0.344	0.039	0.005	0.000	-0.003	0.008	0.681
rs12411886	C	0.920	0.084	0.014	0.000	-0.011	0.013	0.395
rs12520974	C	0.515	0.036	0.007	0.000	0.000	0.008	0.961
rs12605642	T	0.486	0.035	0.007	0.000	0.004	0.008	0.590
rs12666306	A	0.502	0.042	0.005	0.000	0.010	0.008	0.217
rs1285875	G	0.274	0.049	0.010	0.000	0.040	0.009	0.000
rs1289939	C	0.768	0.041	0.007	0.000	0.021	0.009	0.024
rs12912299	C	0.511	0.043	0.007	0.000	0.005	0.008	0.516
rs12983032	G	0.657	0.043	0.007	0.000	0.009	0.008	0.263
rs12991815	G	0.576	-0.040	0.005	0.000	-0.013	0.008	0.093
rs13010288	G	0.867	0.060	0.010	0.000	0.021	0.012	0.077

rs13138995	A	0.390	0.034	0.007	0.000	0.007	0.008	0.407
rs1530938	A	0.442	0.036	0.005	0.000	0.023	0.008	0.004
rs1536053	C	0.684	0.038	0.005	0.000	0.009	0.008	0.305
rs1567084	A	0.498	0.033	0.007	0.000	0.023	0.008	0.003
rs1580173	A	0.561	0.033	0.007	0.000	0.009	0.008	0.240
rs1620977	G	0.730	-0.052	0.007	0.000	-0.010	0.008	0.235
rs16903122	T	0.249	0.055	0.007	0.000	-0.002	0.009	0.819
rs16990210	C	0.152	0.046	0.007	0.000	-0.007	0.011	0.524
rs17005118	A	0.264	0.042	0.007	0.000	0.023	0.008	0.004
rs17025198	A	0.204	0.041	0.007	0.000	0.010	0.010	0.298
rs17083297	C	0.823	0.044	0.007	0.000	-0.002	0.010	0.826
rs17223714	A	0.789	0.071	0.012	0.000	-0.025	0.010	0.011
rs1731951	T	0.557	0.035	0.007	0.000	0.008	0.008	0.328
rs17367725	C	0.649	0.036	0.007	0.000	0.009	0.008	0.252
rs17520265	G	0.966	0.091	0.016	0.000	-0.054	0.020	0.005
rs17643634	C	0.835	0.060	0.007	0.000	0.011	0.011	0.308
rs190073	G	0.586	0.034	0.007	0.000	0.013	0.008	0.118
rs1927902	T	0.254	0.053	0.007	0.000	0.016	0.009	0.068
rs2030672	C	0.559	0.034	0.007	0.000	0.021	0.008	0.008
rs2089358	C	0.296	0.041	0.007	0.000	0.018	0.009	0.042
rs2116290	A	0.356	0.048	0.007	0.000	0.002	0.008	0.861
rs214934	T	0.688	0.038	0.005	0.000	-0.030	0.008	0.000
rs2216427	C	0.653	0.035	0.007	0.000	-0.014	0.008	0.091
rs2221119	C	0.443	0.036	0.005	0.000	0.021	0.008	0.007
rs224029	C	0.601	0.039	0.005	0.000	-0.011	0.008	0.159
rs2388840	A	0.576	-0.037	0.005	0.000	-0.021	0.008	0.008
rs2389631	C	0.333	0.040	0.005	0.000	0.021	0.008	0.012
rs2406916	G	0.341	0.047	0.007	0.000	-0.016	0.008	0.056
rs2431108	C	0.328	0.053	0.007	0.000	0.020	0.008	0.013
rs2598293	T	0.476	0.035	0.007	0.000	0.020	0.008	0.012
rs2838787	G	0.608	0.036	0.007	0.000	0.027	0.008	0.001
rs28552587	A	0.564	0.033	0.007	0.000	-0.005	0.008	0.499
rs28611339	T	0.129	0.070	0.010	0.000	-0.018	0.012	0.122
rs314281	C	0.547	0.043	0.007	0.000	-0.008	0.008	0.290
rs324017	C	0.706	-0.039	0.005	0.000	-0.002	0.009	0.829
rs34967082	A	0.414	0.035	0.007	0.000	-0.009	0.008	0.244
rs35110063	A	0.427	0.039	0.005	0.000	0.007	0.008	0.393
rs35322724	A	0.577	0.049	0.005	0.000	-0.001	0.008	0.925
rs35539975	G	0.222	-0.042	0.007	0.000	0.008	0.009	0.426
rs3902952	T	0.188	0.048	0.007	0.000	-0.004	0.010	0.722

rs4090240	C	0.723	0.039	0.005	0.000	-0.004	0.009	0.669
rs4499118	A	0.402	0.043	0.007	0.000	0.015	0.008	0.056
rs4502882	C	0.342	0.039	0.005	0.000	0.018	0.008	0.027
rs4509059	G	0.367	0.043	0.007	0.000	0.013	0.008	0.110
rs4588900	A	0.516	0.033	0.007	0.000	0.016	0.008	0.040
rs4664299	C	0.765	0.041	0.007	0.000	0.013	0.009	0.168
rs4709655	C	0.881	0.054	0.007	0.000	0.030	0.012	0.013
rs4788203	A	0.433	-0.035	0.007	0.000	0.034	0.008	0.000
rs4858708	T	0.470	0.034	0.007	0.000	0.007	0.008	0.401
rs4981170	G	0.802	0.059	0.010	0.000	-0.022	0.010	0.024
rs521484	A	0.767	-0.040	0.005	0.000	-0.001	0.009	0.885
rs524859	G	0.640	0.044	0.007	0.000	0.015	0.008	0.075
rs55772859	A	0.311	0.042	0.005	0.000	0.013	0.009	0.122
rs55972276	A	0.137	0.073	0.007	0.000	0.008	0.011	0.496
rs56044142	G	0.540	0.053	0.007	0.000	0.005	0.008	0.518
rs56796226	G	0.420	0.059	0.010	0.000	0.008	0.008	0.332
rs58475265	C	0.166	0.058	0.010	0.000	0.026	0.011	0.018
rs5877	C	0.331	-0.036	0.005	0.000	-0.003	0.009	0.685
rs6019663	T	0.293	0.040	0.005	0.000	-0.005	0.009	0.555
rs60565673	G	0.379	0.043	0.007	0.000	0.019	0.008	0.020
rs6119267	G	0.311	0.060	0.005	0.000	0.009	0.008	0.270
rs61921611	C	0.308	0.044	0.007	0.000	0.037	0.008	0.000
rs62158170	A	0.786	0.087	0.009	0.000	-0.005	0.010	0.594
rs62264767	A	0.853	0.065	0.007	0.000	0.018	0.011	0.112
rs62429521	A	0.146	0.051	0.007	0.000	-0.002	0.011	0.855
rs6465151	T	0.113	0.056	0.010	0.000	0.014	0.012	0.257
rs647905	T	0.541	0.033	0.007	0.000	-0.010	0.008	0.218
rs6510033	G	0.275	0.037	0.007	0.000	-0.014	0.009	0.111
rs6562066	C	0.631	-0.039	0.005	0.000	-0.020	0.008	0.014
rs6601080	A	0.676	0.035	0.007	0.000	-0.003	0.008	0.708
rs66674044	T	0.143	0.060	0.010	0.000	-0.018	0.011	0.101
rs667730	T	0.579	0.033	0.007	0.000	0.013	0.008	0.107
rs6702604	G	0.416	0.037	0.005	0.000	0.001	0.008	0.947
rs671985	G	0.537	0.042	0.007	0.000	0.025	0.008	0.001
rs6756610	G	0.371	-0.037	0.005	0.000	-0.011	0.008	0.171
rs6808140	T	0.505	0.039	0.005	0.000	0.003	0.008	0.723
rs6888135	A	0.497	0.038	0.005	0.000	-0.024	0.008	0.003
rs694786	C	0.540	0.044	0.007	0.000	0.034	0.008	0.000
rs6967168	G	0.246	0.044	0.007	0.000	0.028	0.009	0.002
rs699844	A	0.920	0.060	0.010	0.000	0.030	0.015	0.039

rs701394	G	0.362	0.036	0.007	0.000	-0.002	0.008	0.815
rs7040224	A	0.316	0.037	0.005	0.000	0.036	0.008	0.000
rs715338	A	0.578	0.041	0.005	0.000	0.029	0.008	0.000
rs7214267	A	0.581	-0.044	0.007	0.000	-0.012	0.008	0.146
rs72704330	A	0.160	0.085	0.012	0.000	0.028	0.011	0.008
rs728017	G	0.614	0.035	0.007	0.000	-0.007	0.007	0.350
rs72820274	A	0.417	0.034	0.007	0.000	0.010	0.008	0.187
rs72899452	T	0.065	0.074	0.012	0.000	0.039	0.016	0.013
rs73671843	A	0.126	-0.056	0.007	0.000	-0.026	0.012	0.028
rs7402939	C	0.624	0.036	0.007	0.000	0.013	0.008	0.115
rs742760	A	0.816	0.043	0.007	0.000	0.036	0.010	0.000
rs7475916	G	0.647	0.037	0.005	0.000	-0.009	0.008	0.274
rs7486418	T	0.657	0.041	0.005	0.000	0.011	0.008	0.183
rs7571486	G	0.749	0.039	0.005	0.000	0.008	0.009	0.358
rs7581704	C	0.759	0.055	0.007	0.000	0.003	0.009	0.761
rs7599697	C	0.642	0.037	0.005	0.000	-0.001	0.008	0.895
rs7974321	C	0.194	0.060	0.010	0.000	-0.008	0.010	0.439
rs8076183	C	0.552	0.038	0.005	0.000	0.006	0.008	0.437
rs8180457	C	0.843	0.056	0.007	0.000	0.002	0.011	0.866
rs8180817	G	0.570	0.049	0.005	0.000	-0.003	0.008	0.686
rs823247	C	0.521	0.037	0.005	0.000	-0.013	0.008	0.103
rs830716	C	0.713	0.045	0.007	0.000	-0.002	0.009	0.812
rs871994	A	0.435	0.035	0.007	0.000	0.020	0.008	0.013
rs908668	T	0.208	0.050	0.005	0.000	0.024	0.010	0.013
rs910187	G	0.627	0.035	0.007	0.000	-0.035	0.008	0.000
rs9527083	G	0.330	0.076	0.005	0.000	0.014	0.008	0.107
rs9889282	C	0.387	0.042	0.005	0.000	0.010	0.008	0.210
rs9964420	A	0.301	0.035	0.007	0.000	-0.007	0.009	0.429

T2DM, Type 2 diabetes; EA, Effect allele; EAF, Effect allele frequency; SE, Standard error; SNP, Single-nucleotide polymorphism.