

Supplementary Table 1. Genetic variants associated with patients from Mount Sinai BioMe Biobank.

ID	Chromosome	Position	Reference Allele	Alternative Allele
1	7	150948435	CCGCCTCA	C
2	7	150948435	CCGCCTCA	C
3	7	150947708	G	C
	11	2768881	C	T
4	7	150958305	CT	C
5	11	2588798	A	AC
6	11	2572979	G	A
7	7	150947431	C	CGGGGGGGGGGGGG
8	7	150947431	C	CGGGGGGGGGGGGG
	11	2778022	C	G
	11	38604907	G	C
9	11	2588855	G	A
10	7	150948435	CCGCCTCA	C
11	7	150947431	C	CGGGGGGGGGGGGG
12	7	150948435	CCGCCTCA	C
13	11	2776984	A	G
14	7	150948445	C	CG
	7	150948446	T	TGTCCG
15	7	150948445	C	CG
	7	150948446	T	TGTCCG
16	7	150948435	CCGCCTCA	C

Supplementary Table 2. Genetic variants associated with patients from the United Kingdom Biobank.

ID	Chromosome	Position	Reference Allele	Alternative Allele
1	6	7579527	C	T_T
2	6	7579527	C	T_T
3	7	150947376	C	CG_CG
4	7	150948995	G	A_A
5	7	150950246	C	A_A
6	7	150948938	T	C_C
7	7	150951649	G	A_A
8	7	150958430	G	T_T
9	7	150948938	T	C_C
10	11	2583486	G	A_A
11	11	2776033	G	A_A
12	11	2570719	G	A_A
13	11	2768917	C	T_T
14	11	2570637	CT	C_C
15	11	2778003	C	T_T
16	11	2528019	G	A_A
17	11	2776006	C	T_T
18	11	2661960	G	T_T
19	11	2445251	C	G_G
20	11	2661960	G	T_T
21	11	2583535	C	A_A
22	11	2768917	C	T_T
23	11	2572862	T	C_C
24	11	2572021	G	A_A
25	11	2583535	C	A_A
26	11	2776032	C	T_T
27	11	2768917	C	T_T

28	11	2776997	C	T_T
29	11	2776033	G	A_A
30	11	2661960	G	T_T
31	11	2572870	G	A_A
32	11	2768917	C	T_T
33	11	2572970	C	T_T
34	11	2570670	C	T_T
35	11	2570685	G	A_A
36	11	2570719	G	A_A
37	11	2583478	C	T_T
38	11	2661960	G	T_T
39	11	2571391	C	T_T
40	11	2661960	G	T_T
41	11	2778023	C	T_T
42	11	2776033	G	A_A
43	11	2572870	G	A_A
44	11	2776033	G	A_A
45	11	2583544	C	T_T
46	11	2570685	G	A_A
47	11	2776997	C	T_T
48	11	2768917	C	T_T
49	11	2572862	T	C_C
50	11	2570652	G	A_A
51	11	2572970	C	T_T
52	11	2661960	G	T_T
53	11	2572882	C	T_T
54	11	2768917	C	T_T
55	21	34370656	T	C_C