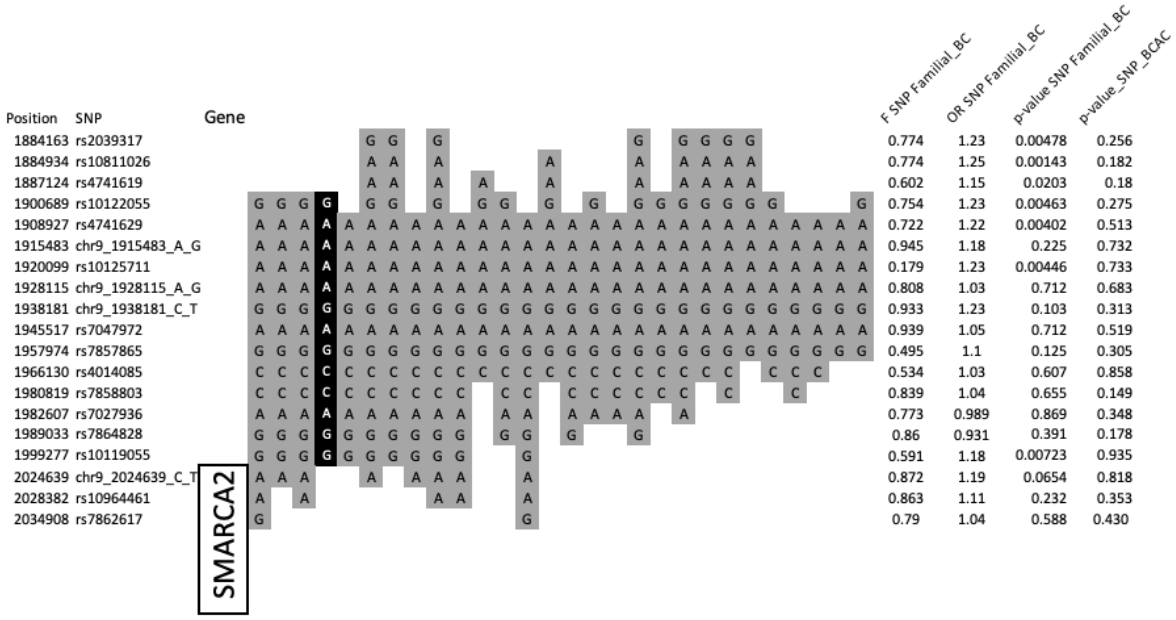


Figure S1 Locus 9p24.3, 28 significant haplotypes sorted by OR (Figure 1 in the article). The haplotype with the lowest p-value is marked in black and other significant haplotypes in gray. Additional individual SNP data to the right – first column = SNP frequency (F), second column = SNP OR, third column = SNP p-value. The fourth column to the right is comparable SNP p-value collected from BCAC homepage.

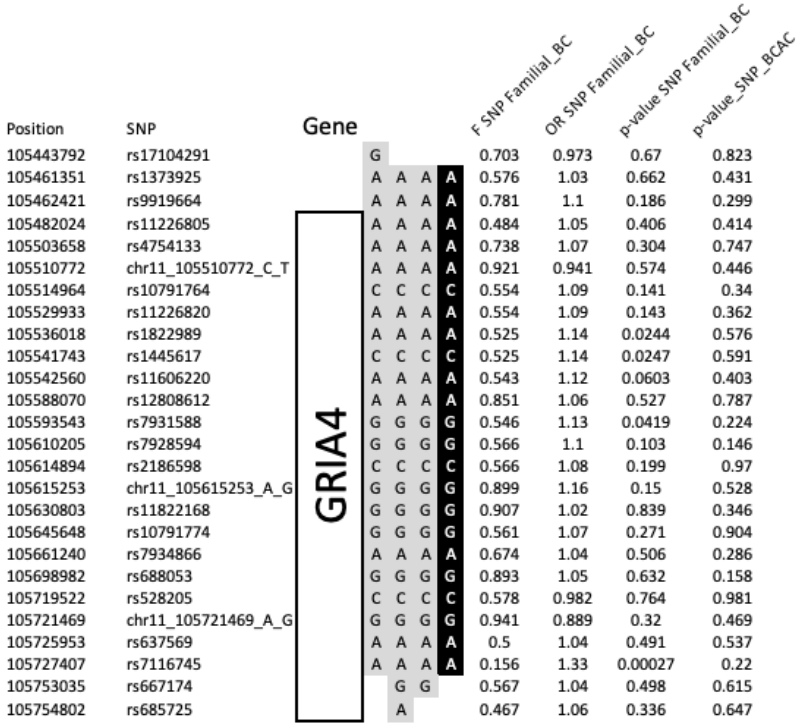
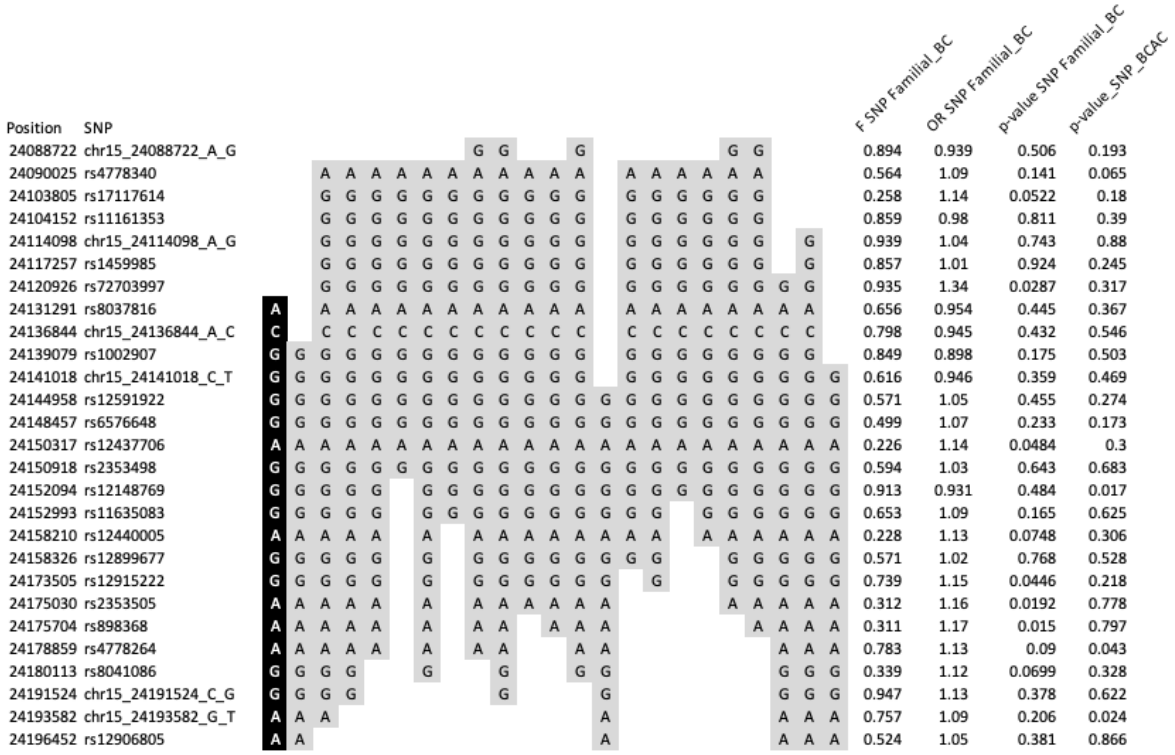


Figure S2 Locus 11q22.3, one significant haplotype and three borderline significant familial haplotypes sorted by OR (Figure 2 in the article). The significant haplotype is marked in black and borderline significant in light gray. Additional individual SNP data to the right – first column = SNP frequency (F), second column = SNP OR, third column = SNP p-value. The fourth column to the right is comparable SNP p-value collected from BCAC homepage.



Position	SNP	F SNP Familial_BC	OR SNP Familial_BC	p-value SNP Familial_BC	p-value_SNP_BCAC
24088722	chr15_24088722_A_G	0.894	0.939	0.506	0.193
24090025	rs4778340	0.564	1.09	0.141	0.065
24103805	rs17117614	0.258	1.14	0.0522	0.18
24104152	rs11161353	0.859	0.98	0.811	0.39
24114098	chr15_24114098_A_G	0.939	1.04	0.743	0.88
24117257	rs1459985	0.857	1.01	0.924	0.245
24120926	rs72703997	0.935	1.34	0.0287	0.317
24131291	rs8037816	0.656	0.954	0.445	0.367
24136844	chr15_24136844_A_C	0.798	0.945	0.432	0.546
24139079	rs1002907	0.849	0.898	0.175	0.503
24141018	chr15_24141018_C_T	0.616	0.946	0.359	0.469
24144958	rs12591922	0.571	1.05	0.455	0.274
24148457	rs6576648	0.499	1.07	0.233	0.173
24150317	rs12437706	0.226	1.14	0.0484	0.3
24150918	rs2353498	0.594	1.03	0.643	0.683
24152094	rs12148769	0.913	0.931	0.484	0.017
24152993	rs11635083	0.653	1.09	0.165	0.625
24158210	rs12440005	0.228	1.13	0.0748	0.306
24158326	rs12899677	0.571	1.02	0.768	0.528
24173505	rs12915222	0.739	1.15	0.0446	0.218
24175030	rs2353505	0.312	1.16	0.0192	0.778
24175704	rs898368	0.311	1.17	0.015	0.797
24178859	rs4778264	0.783	1.13	0.09	0.043
24180113	rs8041086	0.339	1.12	0.0699	0.328
24191524	chr15_24191524_C_G	0.947	1.13	0.378	0.622
24193582	chr15_24193582_G_T	0.757	1.09	0.206	0.024
24196452	rs12906805	0.524	1.05	0.381	0.866

Figure S3 Locus 15q11.2, one significant and 22 borderline significant familial haplotypes sorted by OR (Figure 3 in the article). The significant haplotype is marked in black and borderline significant in light gray. Additional individual SNP data to the right – first column = SNP frequency (F), second column = SNP OR, third column = SNP p-value. The fourth column to the right is comparable SNP p-value collected from BCAC homepage.

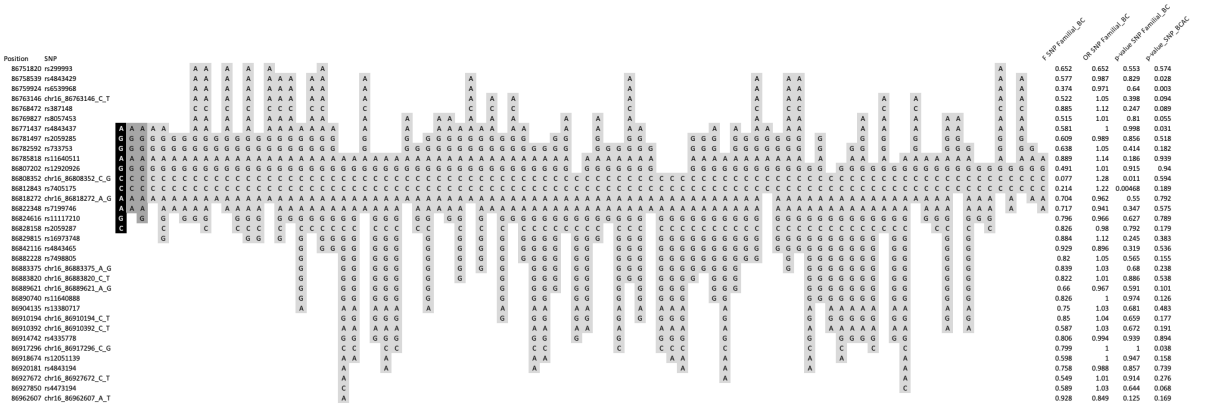


Figure S4 Locus 16q24.1, 3 significant and 85 borderline significant familial haplotypes sorted by OR (Figure 4 in the article). The haplotype with the lowest p-value is marked in black, other significant haplotypes in dark gray and borderline significant in light gray. Additional individual SNP data to the right – first column = SNP frequency (F), second column = SNP OR, third column = SNP p-value. The fourth column to the right is comparable SNP p-value collected from BCAC homepage.

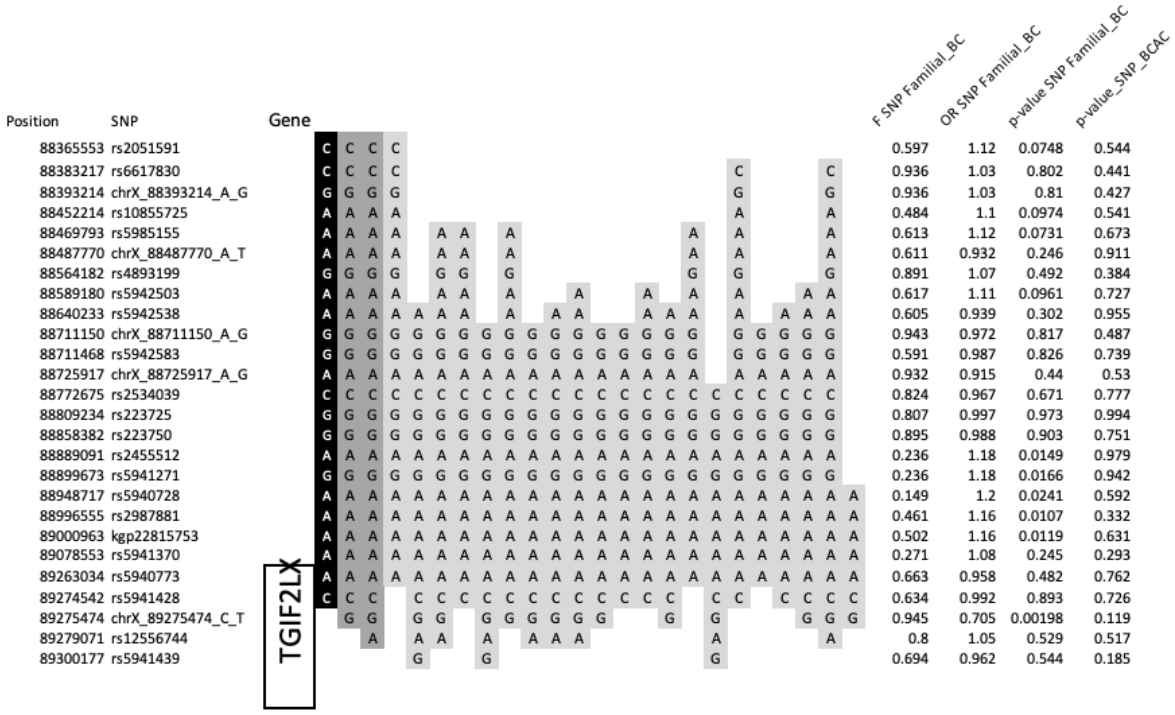


Figure S5 Locus Xq21.31, 3 significant and 21 borderline significant familial haplotypes sorted by OR **(**Figure 5 in the article). The haplotype with the lowest p-value is marked in black, other significant haplotypes in dark gray and borderline significant in light gray. Additional individual SNP data to the right – first column = SNP frequency (F), second column = SNP OR, third column = SNP p-value. The fourth column to the right is comparable SNP p-value collected from BCAC homepage.