Supplementary Table S1. Association Analysis Between Sex and Each SNP Variant

SNP ID	Chr. location	Risk allele	Sex	Proportions in PTC cases (Ohio) 0 Risk allele	1 Risk allele	2 Risk alleles	p-value[a]	Proportions in controls (Ohio) 0 Risk allele	1 Risk allele	2 Risk alleles	p-value[a]
rs966423	2q35	C	F	0.27	0.49	0.24		0.34	0.5	0.16	
			M	0.27	0.52	0.22	0.787	0.34	0.47	0.2	0.337
rs944289	14q13	T	F	0.13	0.46	0.41		0.17	0.51	0.32	
			M	0.16	0.47	0.37	0.488	0.16	0.48	0.35	0.611
rs2439302	8p15	G	F	0.18	0.52	0.3		0.28	0.5	0.22	
			M	0.19	0.53	0.28	0.871	0.3	0.49	0.21	0.766
rs116909374	14q13	T	F	0.9	0.1	0		0.95	0.05	0	
			M	0.87	0.11	0.01	0.249	0.94	0.06	0	0.744
rs965513	9q22	A	F	0.24	0.48	0.28		0.47	0.43	0.11	
			M	0.28	0.5	0.22	0.452	0.42	0.46	0.11	0.264

SNP ID	Chr. location	Risk allele	Sex	Proportions in PTC cases (Poland) 0 Risk allele	1 Risk allele	2 Risk alleles	p-value[a]	Proportions in controls (Poland) 0 Risk allele	1 Risk allele	2 Risk alleles	p-value[a]
rs966423	2q35	C	F	0.29	0.49	0.22		0.32	0.5	0.18	
			M	0.3	0.49	0.2	0.918	0.34	0.47	0.19	0.42
rs944289	14q13	T	F	0.14	0.46	0.4		0.17	0.48	0.35	
			M	0.15	0.42	0.43	0.651	0.17	0.46	0.37	0.753
rs2439302	8p15	G	F	0.21	0.49	0.3		0.26	0.52	0.22	
			M	0.19	0.54	0.27	0.526	0.26	0.51	0.23	0.857
rs116909374	14q13	T	F	0.96	0.03	0		0.94	0.06	0	
			M	0.96	0.03	0	0.88	0.94	0.06	0	0.816
rs965513	9q22	A	F	0.29	0.51	0.2		0.42	0.48	0.1	
			M	0.25	0.47	0.27	0.1	0.41	0.45	0.14	0.05

[a]*p*-values were obtained by applying chi-square test or Fisher's exact test.