Table S4. Power calculations. A) Association using a multiplicative model. Conservatively defining genome-wide significance as 5×10^{-8} , we calculate power in our sample (1,829 cases and 2,250 controls), assuming prevalence ~ 4 in 100,000 and a multiplicative model of gene effect as shown. B) Regression analysis of survival. Conservatively defining genome-wide significance as 5×10^{-8} , we calculate power in our sample (1014 cases) with four predictors (genotype, site of collection, first 2 dimensions of stratification analysis) using linear regression as shown.

A)				
	MAF	Odds ratio	Power (1E-05)	Power (5E-08)
	0.1	1.1	0%	0%
		1.3	23%	4%
		1.5	93%	66%
	0.3	1.1	0%	0%
		1.3	87%	53%
		1.5	100%	100%
B)				
,	$\underline{\mathbf{R}^2}$	F2 (effect size	Power (1E-05)	Power (5E-08)
	0.01	0.01010	<15%	<15%
	0.02	0.02041	30%	<15%
	0.03	0.03093	69%	31%
	0.04	0.04167	92%	64%

98.5%

87%

0.05

0.05263