

Outcome: Continuous
Design: Independent individuals
Hypothesis: Gene only
Desired power: 0.800000
Significance: 5.00000e-008, 2-sided
Gene
Mode of inheritance: Additive
Allele frequency: 0.1000 to 0.5000 by 0.1000
Continuous trait settings
Main 0.0000
Std. dev. 1.0000

Marginal R² Main effect
*R_G² 0.0005 β_G 0.0500
(*indicates calculated value)

Parameter	Null	Full	Reduced
Gene	β _G =0	β _G	——

Frequency	β_G	N		R_G^2
		Gene		
0.100000	0.0500	87982	0.0005	
	0.1000	21981	0.0018	
	0.1500	9758	0.0041	
0.200000	0.0500	49481	0.0008	
	0.1000	12355	0.0032	
	0.1500	5480	0.0072	
0.300000	0.0500	37695	0.0011	
	0.1000	9409	0.0042	
	0.1500	4171	0.0095	
0.400000	0.0500	32981	0.0012	
	0.1000	8230	0.0048	
	0.1500	3647	0.0108	
0.500000	0.0500	31661	0.0013	
	0.1000	7900	0.0050	
	0.1500	3500	0.0113	

N is the number of individuals required for the desired power