

Outcome: Disease  
 Design: Matched case-control  
 Hypothesis: Gene only  
 Desired power: 0.800000  
 Significance: 5.00000e-008, 2-sided  
 Gene  
   Mode of inheritance: Log-additive  
   Allele frequency: 0.1000 to 0.5000 by 0.1000  
 Disease model Summary parameters  
    $P_0$  0.050000  $*k_p$  0.050475  
    $R_G$ : 1.0500 (\*indicates calculated value)

Parameter	Null	Full	Reduced
Gene	$\beta_G=0$	$\beta_G$	_____

Frequency	N		k <sub>p</sub>
	Gene		
0.100000	181663	0.050475	
0.200000	102647	0.050952	
0.300000	78558	0.051431	
0.400000	69043	0.051912	
0.500000	66573	0.052396	

N is the number of case-control pairs required for the desired power