Outcome:	Disease
Design:	Unmatched case-control (1:19)
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	$*k_P$ 0.050949
R_G: 1.1000	(*indicates calculated value)

Parameter	Null	Full	Reduced
Gene	$\beta_G=0$	β_G	——

		N	
Frequency	R_G	Gene	k_P
0.100000	1.1000	24366	0.050949
	1.2000	6396	0.051898
	1.3000	2979	0.052844
0.200000	1.1000	13868	0.051907
	1.2000	3682	0.053828
	1.3000	1734	0.055760
0.300000	1.1000	10690	0.052873
	1.2000	2870	0.055791
	1.3000	1365	0.058748
0.400000	1.1000	9462	0.053848
	1.2000	2567	0.057787
	1.3000	1234	0.061808
0.500000	1.1000	9188	0.054831
	1.2000	2518	0.059815
	1.3000	1221	0.064940

N is the number of cases required for the desired power
The required number of controls is 19xN