

SUPPLEMENTAL MATERIAL

Table S1. Specific parameters for simulation study.

Parameters	Value
Genotype error rate	0.01
Phenotype error rate	0.001
Missing data rate	0
Types of blocks	block1, block2
Number of SNPs in block1	20 – 50
Number of SNPs in block2	40 – 80
Number of blocks	10000
Recombination between block1	0.0004 - 0.0006
Recombination between block2	0.0002 - 0.0005
Recombination within block1	0.0000001 - 0.00001
Recombination within block2	0.0000001 - 0.00001
Proportion of block1 and block2	0.4, 0.6
Max SNP distance	500000
Minor allele frequency	0.39 - 0.41
Number of individuals	4000
Number of datasets	100
Initial population size	1000
Growth rate	0.00475
Max/min pool size	100000/50000