

TABLE S1
Demographic model parameters used for simulated datasets

Parameter	Description	Value
N_B	Ancestral human population size	10,000
t_{split}	Time of the split between Pop A and Pop E (African and European populations)	4000 generations ago
N_A	Current size of Pop A (African population)	20,000
t_{cur}	Time Pop A expanded	2400 generations ago
N_{AA}	Current size of Pop AA (African American population)	20,000 or 2,000
N_{mid}	Size of Pop E (European population) during the bottleneck	550
t_{mid}	Duration of the bottleneck in Pop E (European population)	400 generations
t_{curE}	Time that Pop E recovered from the bottleneck	1100 generations ago
p_{admix}	Proportion of European ancestry in Pop AA (African American population)	20%
t_{admix}	Time before present when Pop AA (African American) population was founded	20 generations ago