

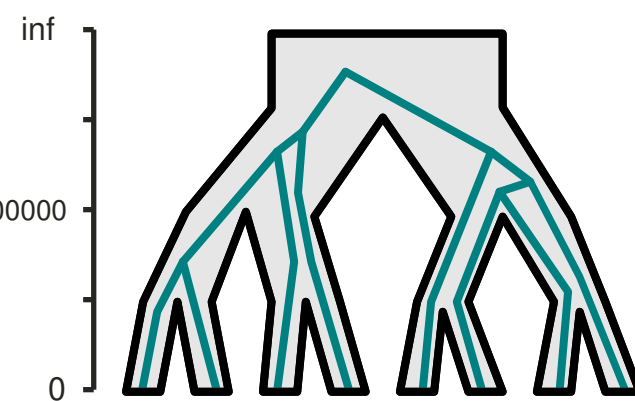
(a)

Constant N_e Models

Single-population Model



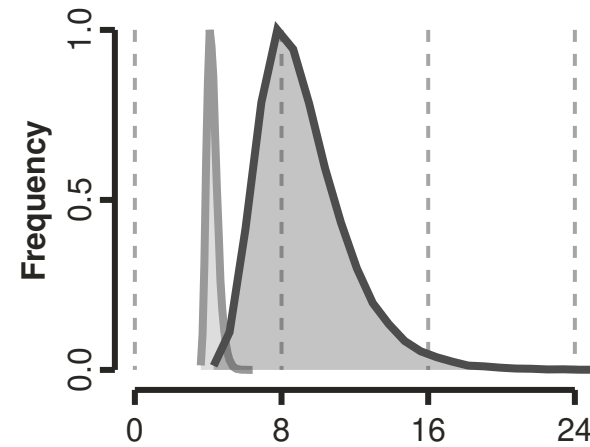
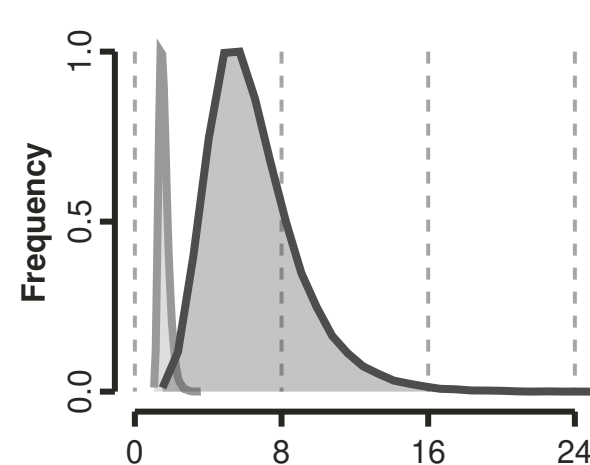
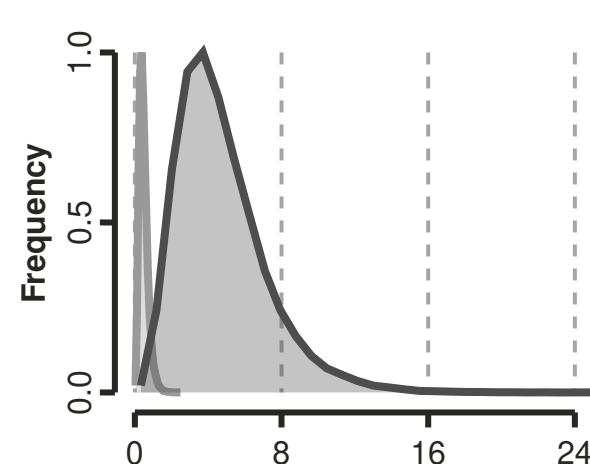
Two-population Model



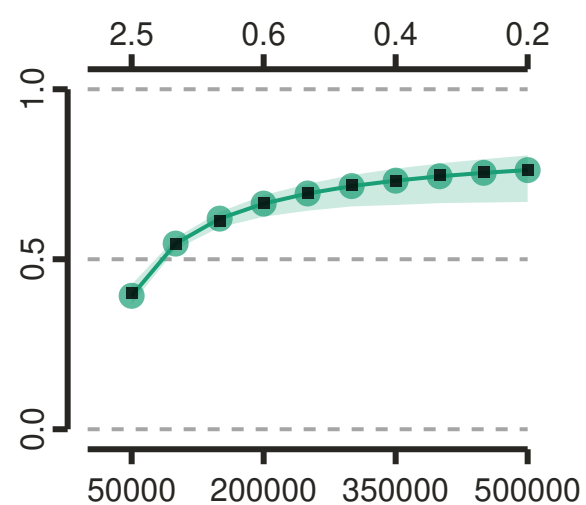
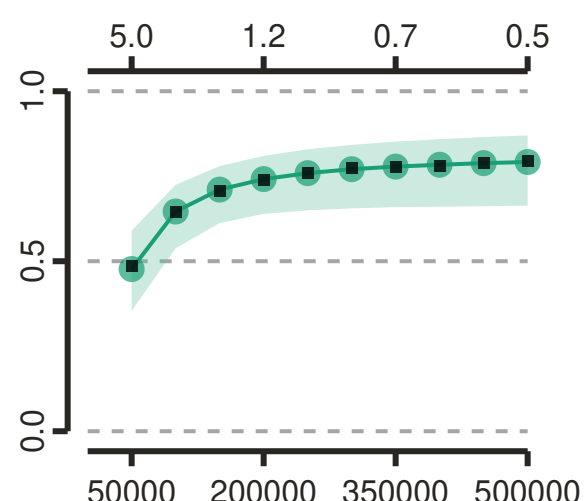
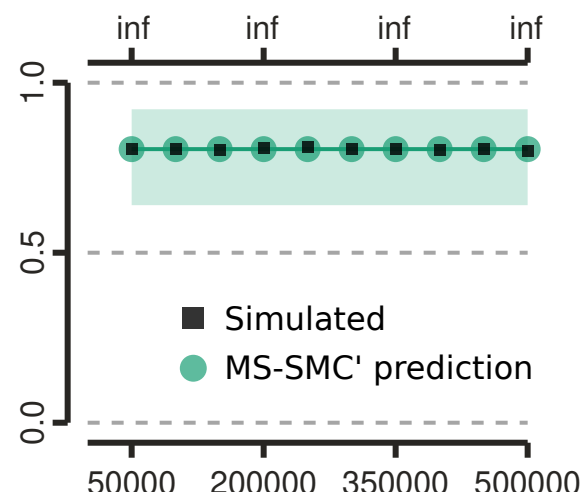
Phylogeny Model

(b)

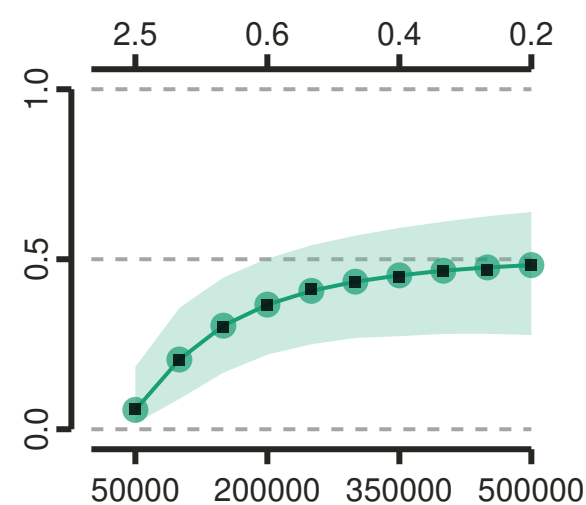
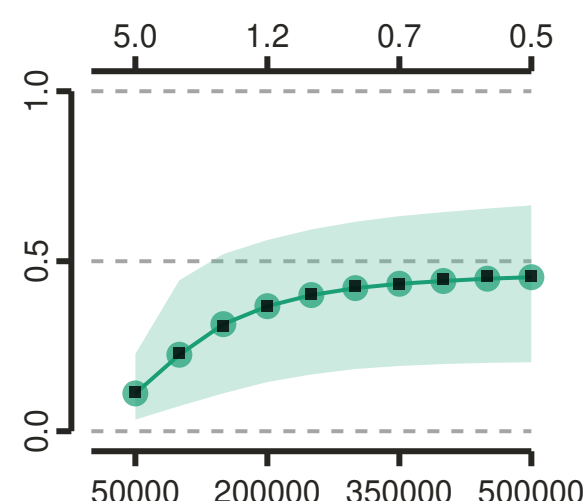
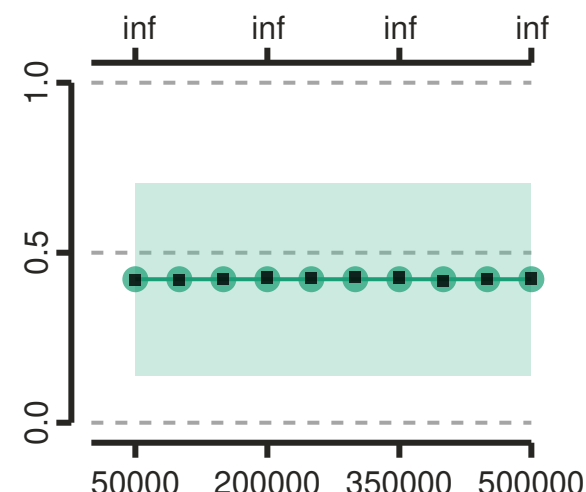
Genealogy Lengths

Genealogy sum length ($\times 10^6$)

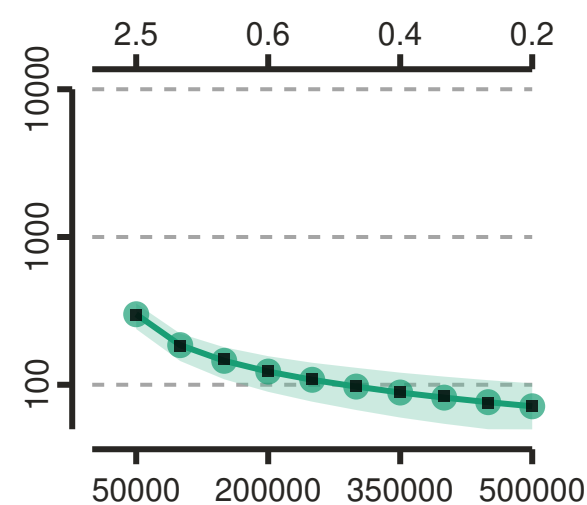
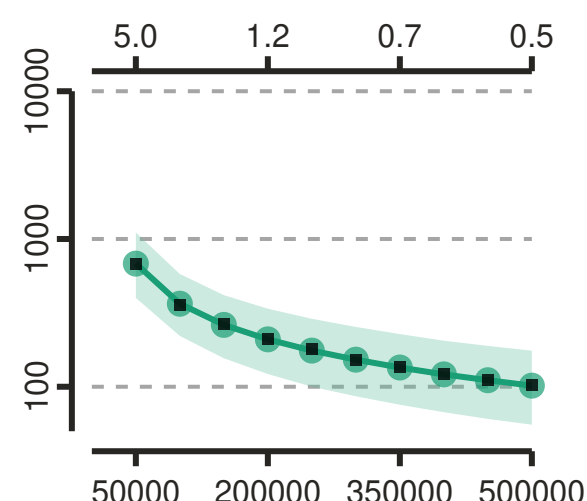
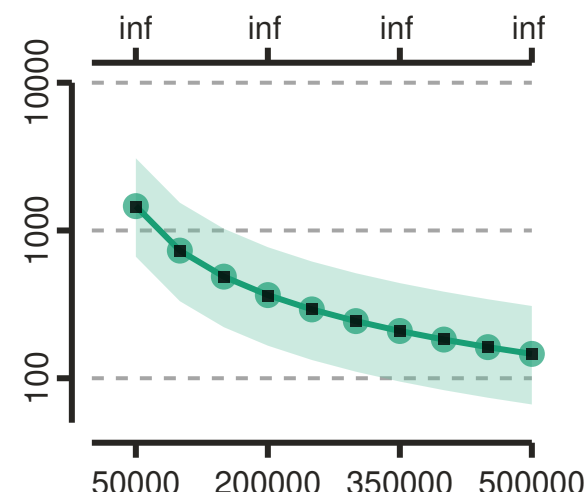
(c)

Model Edge Length ($\times 1/2N_e$)Effective population size (N_e)

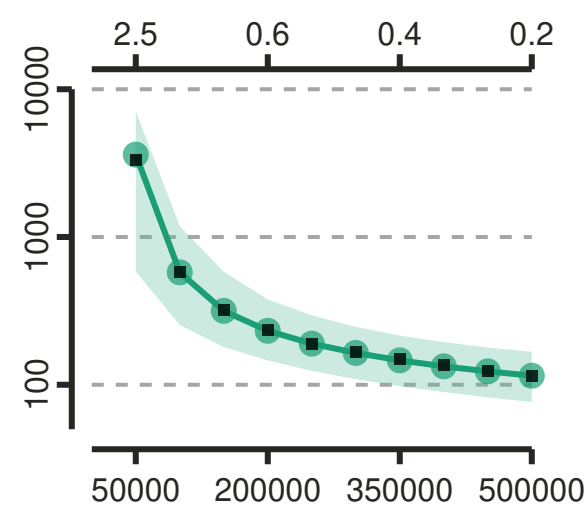
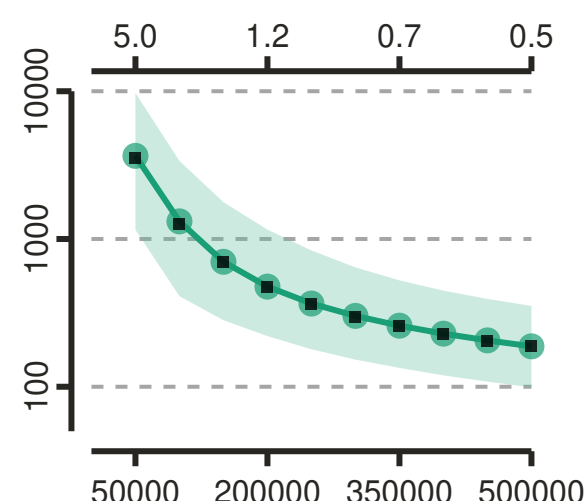
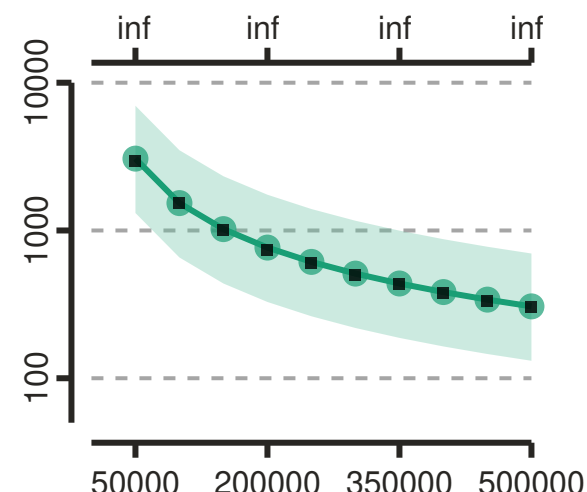
(d)

Model Edge Length ($\times 1/2N_e$)Effective population size (N_e)

(e)

Model Edge Length ($\times 1/2N_e$)Effective population size (N_e)

(f)

Model Edge Length ($\times 1/2N_e$)Effective population size (N_e)

P(topology-change | S, G)

Waiting distance to tree-change

Waiting distance to topology-change