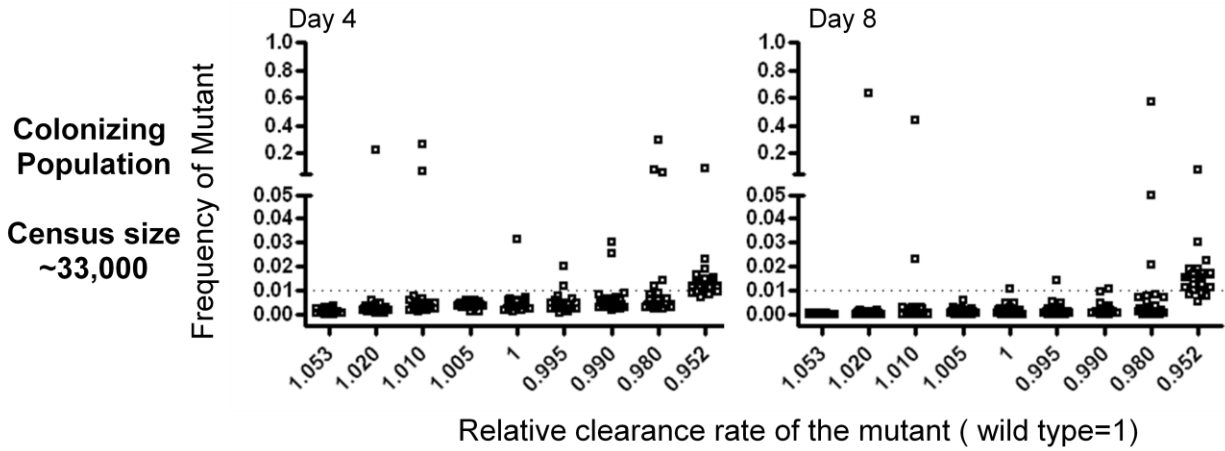


Figure S1

A



B

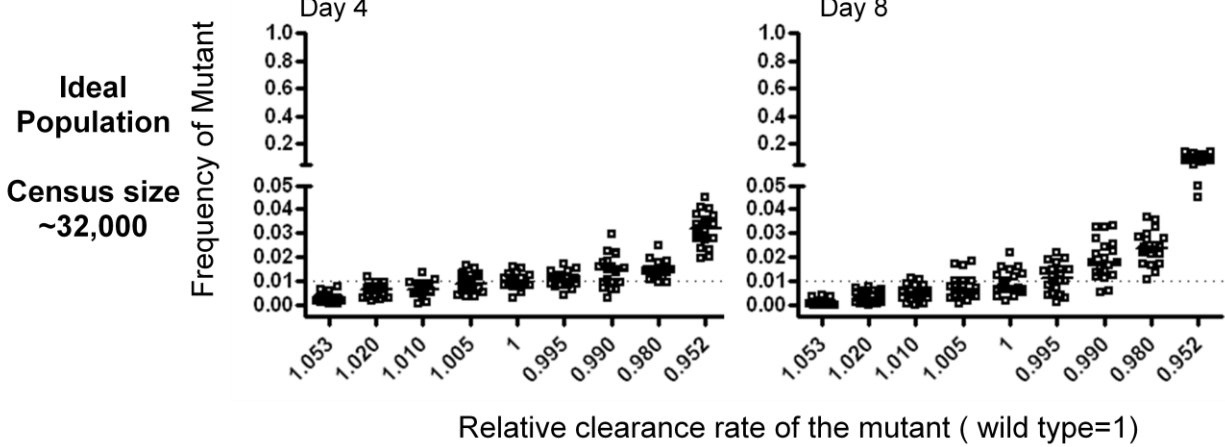


Figure S1. Effect of small N_e on the effectiveness of within-host selection. Simulations were performed based on a colonizing population model (A) or an ideal population model (B) (see Materials and Methods for detail). A range of clearance rates were applied to the mutant allele while the clearance rate for the wild type allele was kept constant at 0.0043 min^{-1} . For each mutant clearance rate, twenty simulations were performed. The dotted lines indicate the initial frequency of the mutant allele (0.01 on Day 0). Frequencies of the mutant alleles on Day 4 (25 generations, left) and Day 8 (50 generations, right) are shown. Bars represent means.