



Figure S1

Figure S1. The effect of hitchhiking on neutral and deleterious polymorphism as a function of the rate and strength of advantageous and deleterious mutations. The rate of low, intermediate and high frequency deleterious polymorphism measured by θ_W , θ_π and θ_H , respectively, in the presence (squares) and absence (crosses) of multiple hitchhiking events (A, C, E, G). Average heterozygosity (θ_π) of neutral polymorphism is shown in gray. The ratio of deleterious to neutral polymorphism, measured by θ_W , in the absence (black) and presence (red) of multiple hitchhiking events (B, D, F, H). Unless shown on the x-axis, all panels show the mean of 500 simulations for which $4Nu_n = 70$, $4Nu_d = 70$, $4Ns_d = -10$, $4Nu_a = 0.5$, $4Ns_a = 100$ and $4Nr = 100$, where N is the population size, u is the mutation rate, s is the selection coefficient, and subscripts n , a and d refer to neutral, advantageous and deleterious mutations.