



Figure S1 The fitness distribution of a population adapting at many loci is Gaussian. The figure shows the fitness distribution measured using our computational model for different ratios r/σ . Only at $r/\sigma = 0.1$ or 0.2 , one sees (slight) deviations from the Gaussian. Our analysis applies in the range $1 > r/\sigma > 1/\sqrt{\log N}$, where the fitness distribution is Gaussian all the way into the tails.