

Figure S4: Relative mean pairwise diversity,  $\pi/\overline{\pi}$ , after a selective sweep from de novo mutation during evolutionary rescue (blue; d=0.05) or in a population of roughly constant size (red; d=0). The thickest curves are  $\mathbb{E}[\pi]/\mathbb{E}[\pi|\text{unlinked}]$  (using Equation 9). The thinnest curves are 100 replicate simulations (rescue only for clarity) and the slightly thicker curves are simulation means (often obscured by prediction). Parameters:  $N(0) = 10^4$ .