Vaccination p=0.001 0.7 $\beta = 0.003$ $\beta = 0.03$ 0.6 $\beta = 0.3$ Fraction of infected original 0.5 vaccination 0.4 0.3 0.2 0.1 0.0 10^{-1} 10⁰ 10^{-2} μ [day⁻¹]