

Comparison To Moran Model

If we introduce a free scaling parameter ϕ , such that $s_{comp} = \phi s_{growth}$, and optimally fit Eq. 1 in the main text to the data, we can compare the resulting values for ϕ with our previous estimates of σ to measure of the quality of agreement between simulations and theory. It should be noted that while we have described the scaling in terms of s_{comp} , it is mathematically identical to scaling N_e . Through this optimal fitting we find that $\phi_{S\alpha} = 1.2226$, $\phi_{SX\alpha} = 1.3406$, $\phi_{S\beta} = 1.0321$, $\phi_{SX\beta} = 0.9391$, $\phi_{S\tau} = 0.2681$ and $\phi_{SX\tau} = 0.0076$ with subscripts indicating scenario and parameter combinations. This indicates that the data maps well to an equivalently parameterised Moran model, with an average difference of $\sim 5\%$.