



S2 Fig. Simulated heterogeneous landscape used in the multi-state biased correlated random walk simulations, from Gaussian random field with an exponential covariance function with variance = 1, nugget = 0 and a set of patch concentration (μ_Q) and patch size (γ_Q) resulting in three level of patchiness: 1) low ($\mu_Q = -1.5, \gamma_Q = 2$), 2) intermediate ($\mu_Q = -0.5, \gamma_Q = 2$) and 3) high ($\mu_Q = 1, \gamma_Q = 10$).