



Figure S3: The effect of combining hypotheses to explain vector persistence, over a range of local dispersal frequencies. Aestivation parameters are $\psi = 10^{-3}$, $\mu_E = 0.9$, migration parameters are $d_L = 10^{-5}$, $\mu_M = 0.99$, and residual water parameters are $\alpha_0^\mu = 4$, $\alpha_0^{\sigma^2} = 10$.