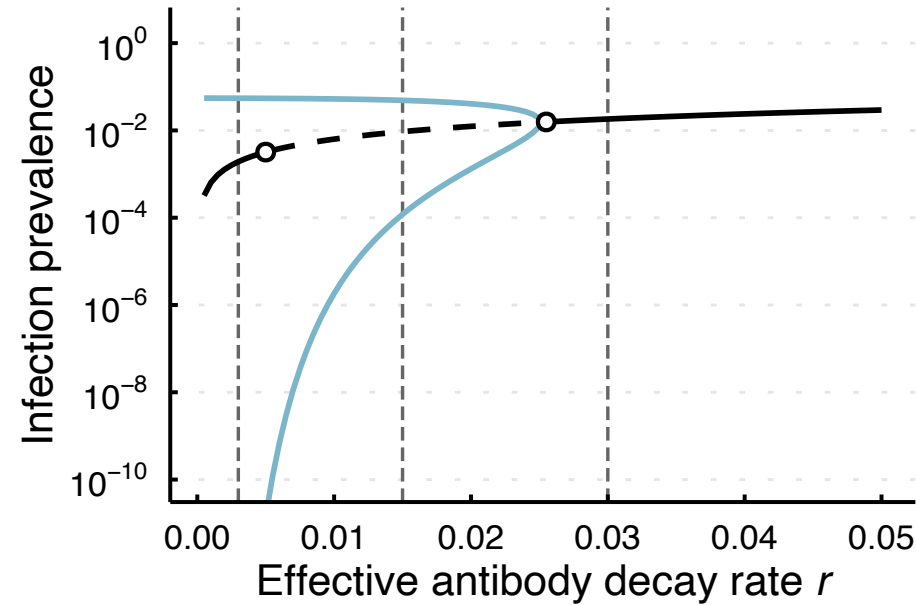
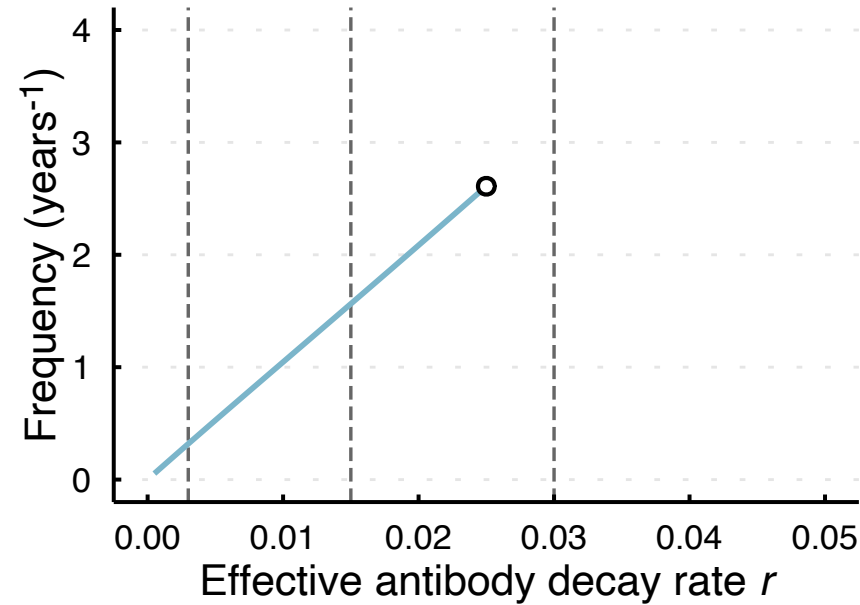


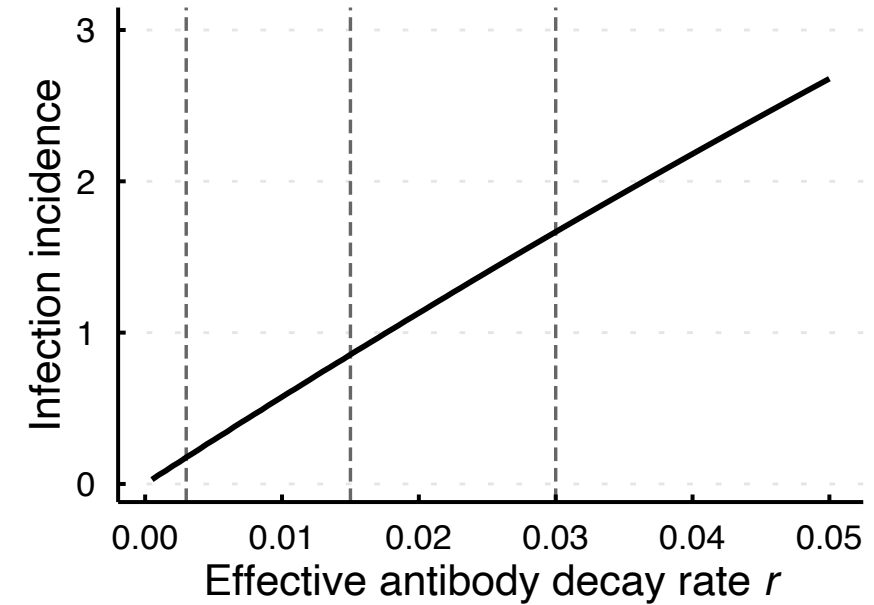
**A** — Bifurcation over effective antibody decay rate  $r$



**B** — Stable periodic solution frequency

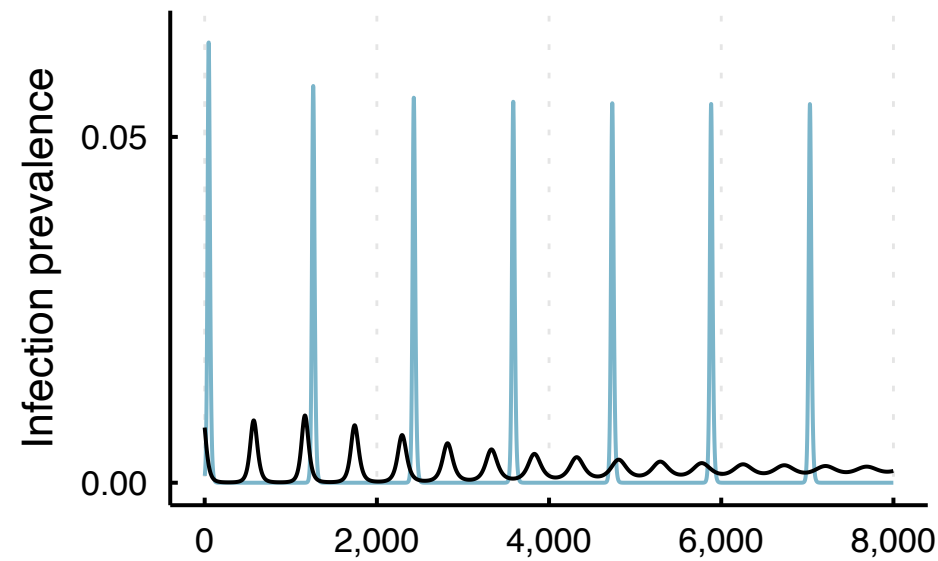


**C** — Average annual infection incidence at solution

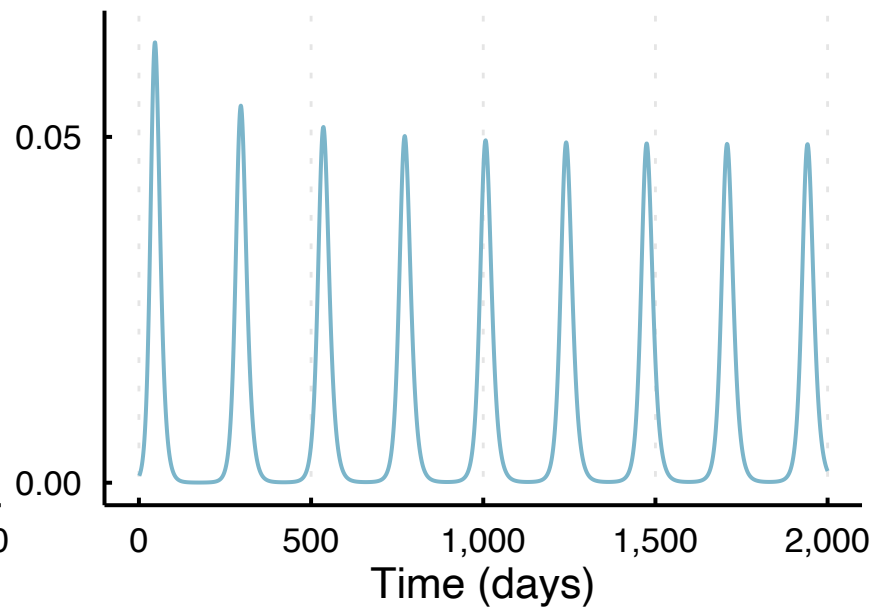


**D** — Exemplar infection prevalence

**i.** Effective antibody decay rate  $r = 0.003$



**ii.** Effective antibody decay rate  $r = 0.015$



**iii.** Effective antibody decay rate  $r = 0.03$

