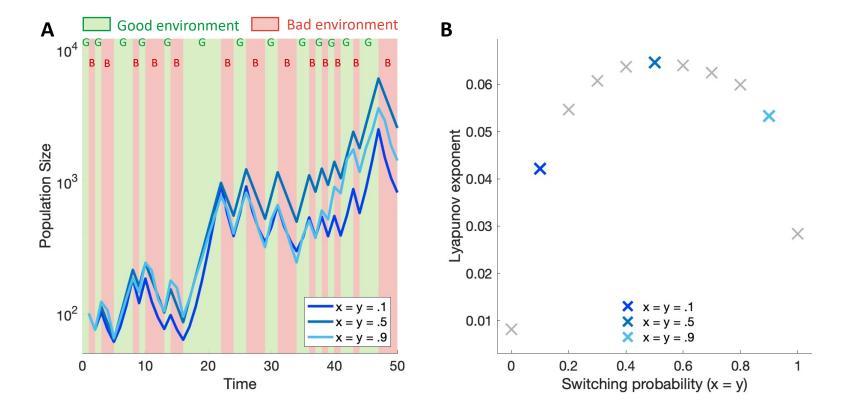
## **Environmental model**

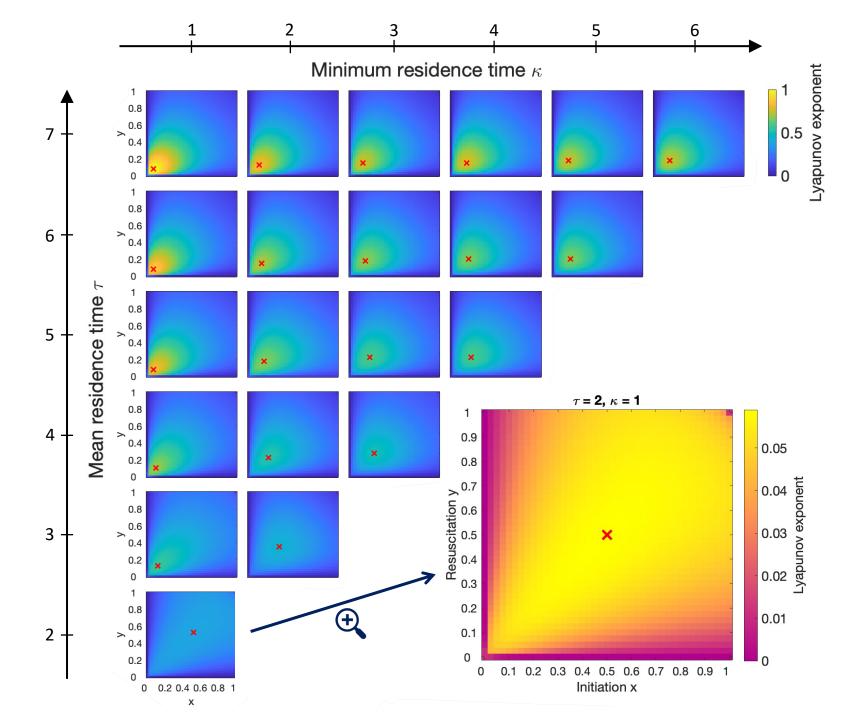
Two-state model В Multi-state model Α  $1-\alpha\kappa$  $1-\alpha\kappa$ βκ  $\alpha \kappa$  $1-\beta\kappa$  $1-\beta\kappa$  $1-\beta\kappa$ Dormancy model Two-state model Multi-state model C D D

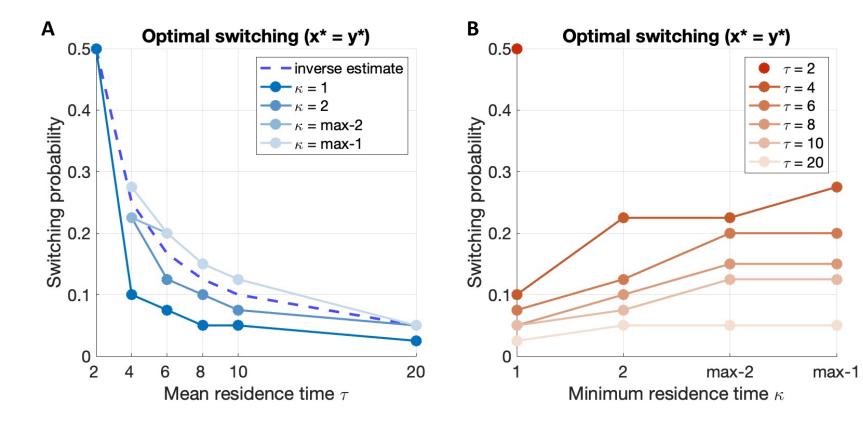
Good environment

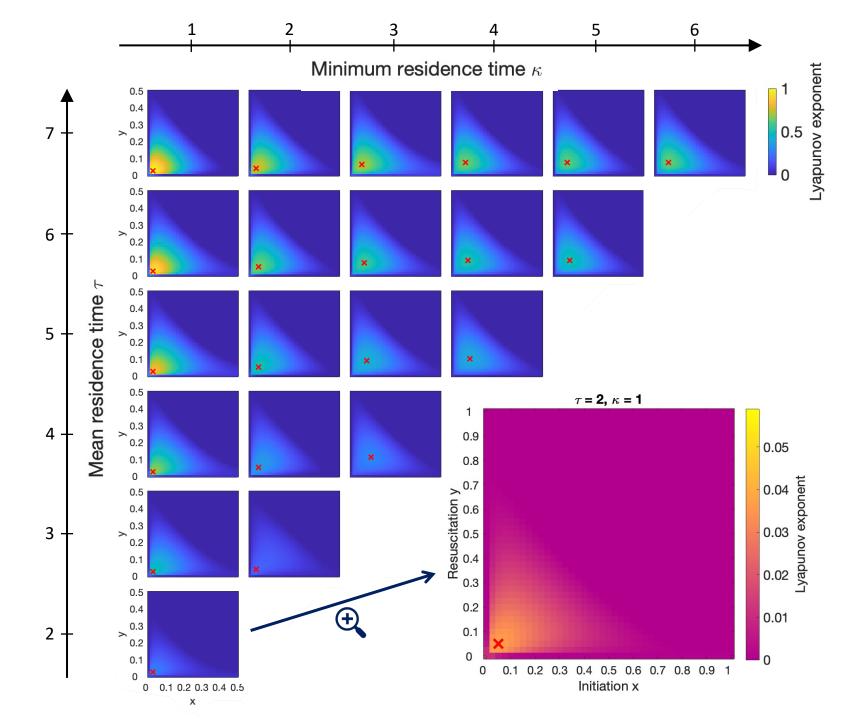
Bad environment

Fig 2









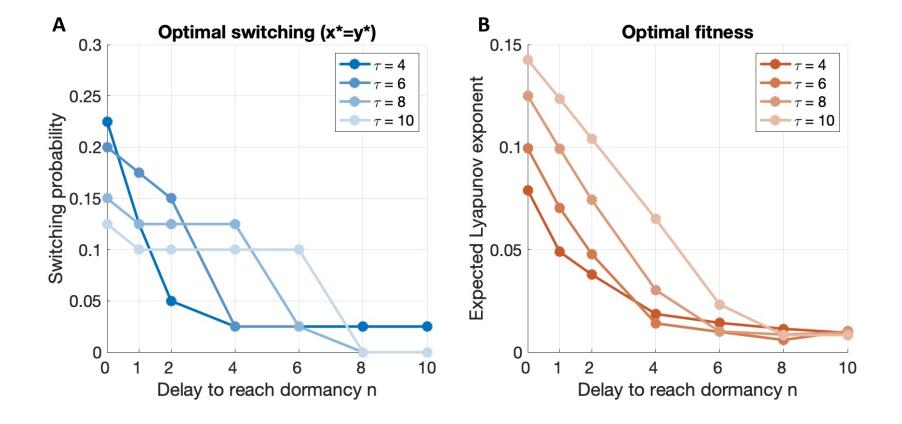


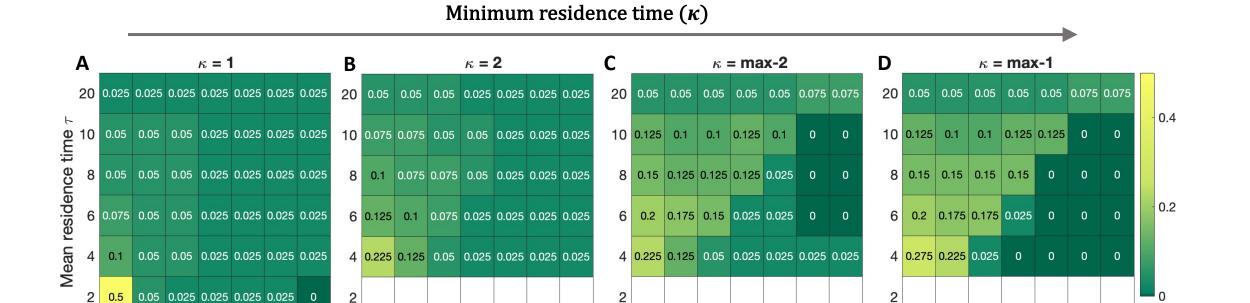
Fig 7

0

10

8

Delay n



0

8

Delay n

10

0

10

Delay n

unfeasible

10

Delay n