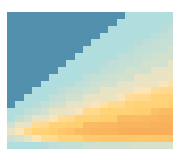
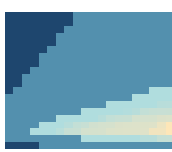
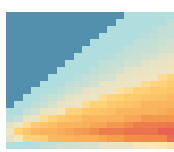
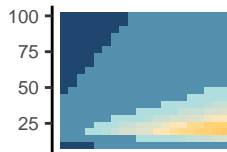
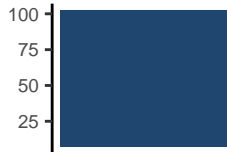
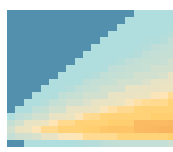
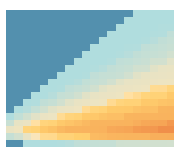
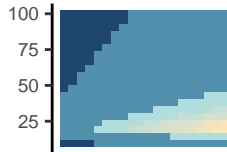
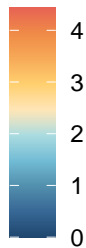


$\mu^{(2)} = 1.25$  (weak predation) $\mu^{(2)} = 2.5$  (strong predation) $r_0 = 0.25$  $r_0 = 0.5$  $r_0 = 0.25$  $r_0 = 0.5$  $\mu^{(0)} = 2.5$  $\mu^{(1)} = 2.5$  (weak prey effect) $\mu^{(0)} = 5$  $\mu^{(1)} = 5$  (strong prey effect) $\mu^{(0)} = 2.5$  $\mu^{(0)} = 5$ 

FCL

River length  $L$ 

0.25 0.50 0.75 1.00

0.25 0.50 0.75 1.00

0.25 0.50 0.75 1.00

0.25 0.50 0.75 1.00

Branching rate  $\lambda_b$