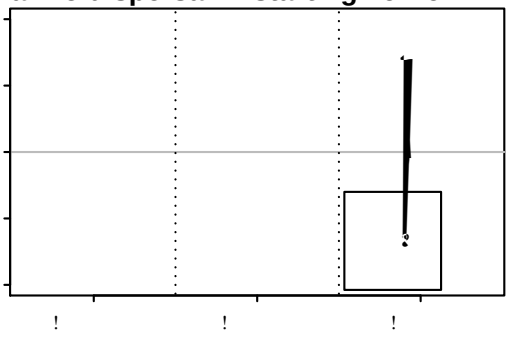
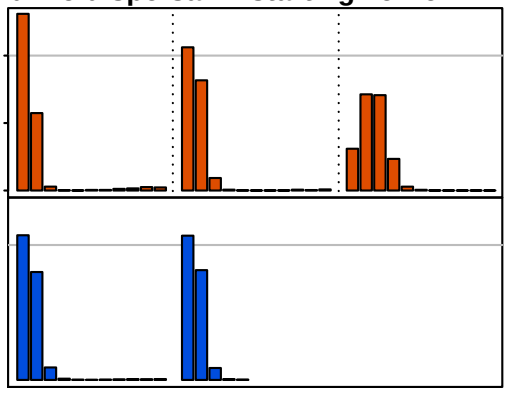
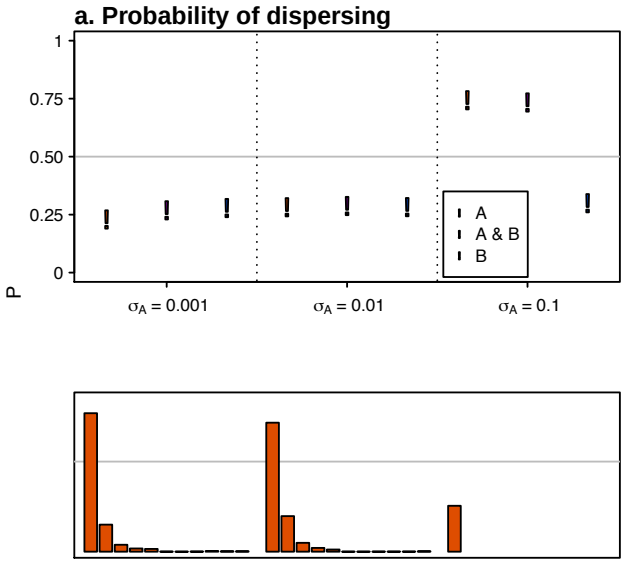
Supplementary Information

a. No dispersal in starting kernel



b. No dispersal in starting kernel




a. Probability of dispersing
1
0.75
0.50
0.25
0
p
A
A & B
B
σA = 0.001
σA = 0.01
σA = 0.1

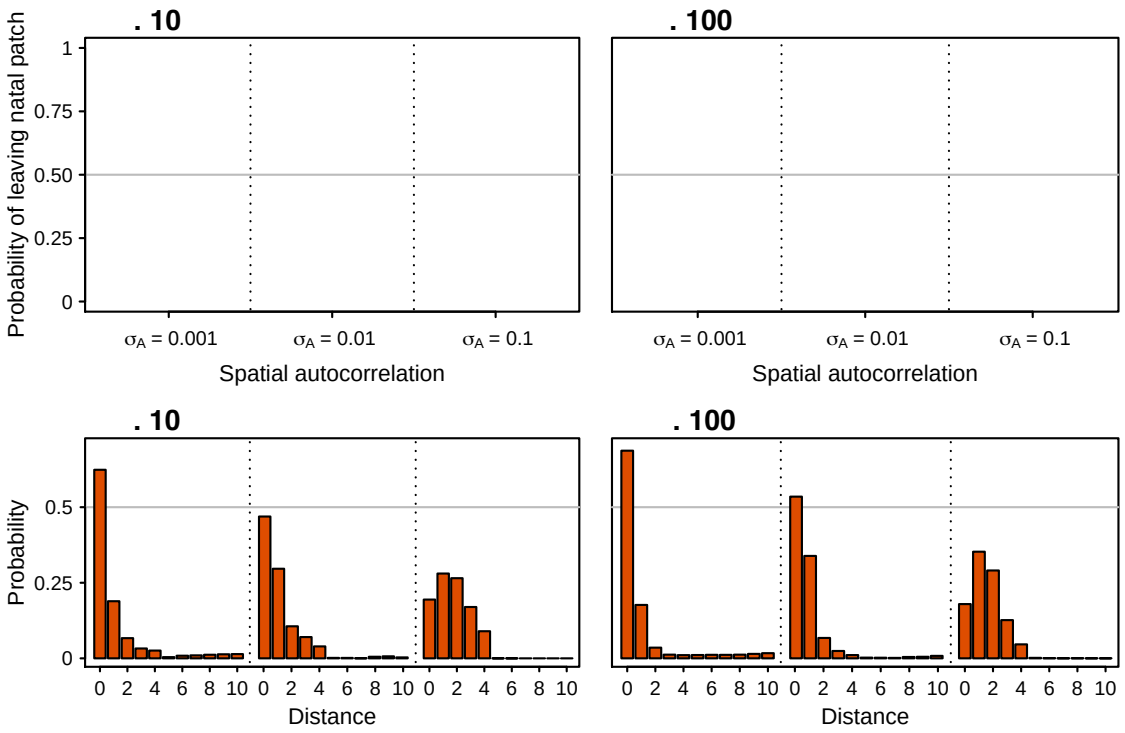
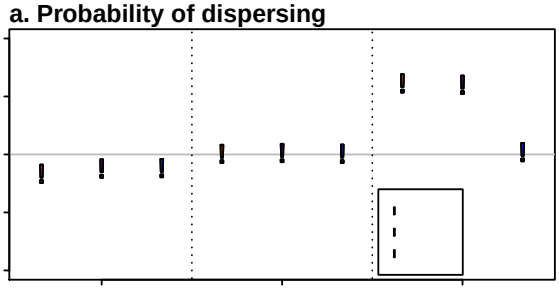
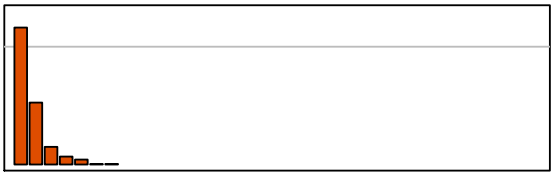


Figure S3: Population mean probability of leaving the natal patch after 2×10^5 generations with 10 or 100 strategies segregating in the population at time. The panels shown here correspond to the same cases as shown in Fig. 4 (although, only 25 replicates, instead of 100 used there). (a) and (b) show model replicates with 10 segregating dispersal strategies. (c) and (d) show model replicates with 100 segregating dispersal strategies.

a. Probability of dispersing





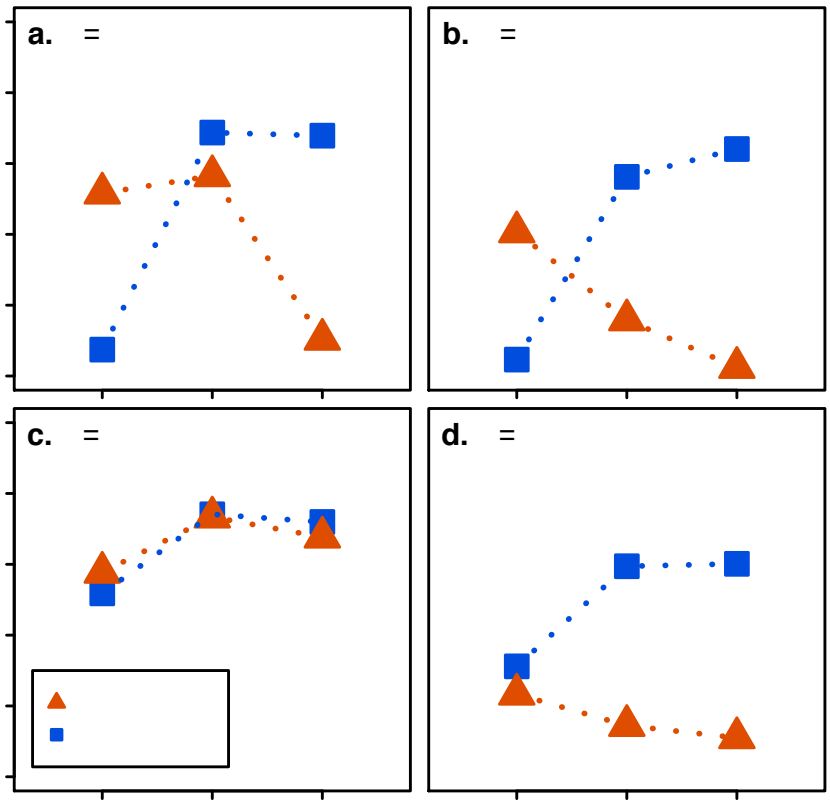
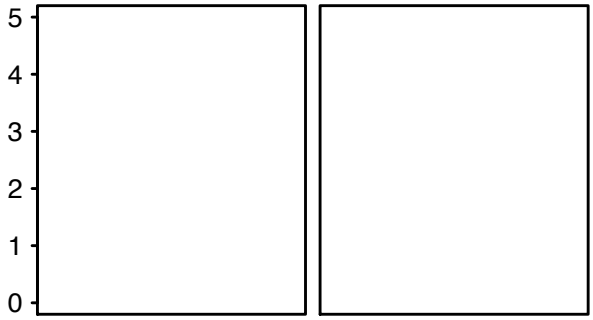
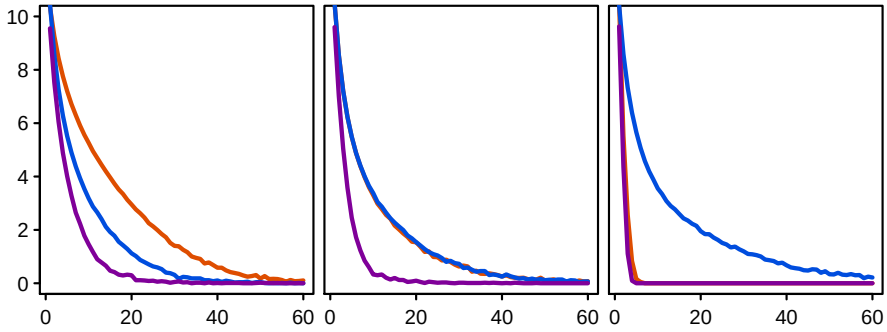


Figure S5: Total numbers of *A* specialists and *B* specialists after 2×10^5 generations in each patches of each resource type with and without competition. Panels show the same conditions as Fig. 6, but in weakly spatially autocorrelated landscapes (σ_A =


5
4
3
2
1
0


10
8
6
4
2
0
0
20
40
60
0
20
40
60
0
20
40
60