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Effects of different dispersal patterns on the presence-absence of multiple species

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**HIGHLIGHTS**

- 1 • The effects of different dispersal patterns on
- 2 priority effects (PE) are examined.
- 3 • Local and non-local dispersal models are used to
- 4 predict PE and species coexistence.
- 5 • PE are more prevalent in the non-local dispersal
- 6 than in the local dispersal models.
- 7 • Very long-range dispersal can lead to exclusion
- 8 of species.
- 9 • Moderate dispersal permits multi-species coexis-
- 10 tence versus short-range dispersal.

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