

Take-Home Messages

- ▶ Under weak selection, it is possible to compute the expected frequency of social individuals, for any life-cycle, any regular population structure, any mutation probability. (Débarre 2017 JTB)
- ▶ $\mathbb{E}[\bar{X}] > \nu \Leftrightarrow \mathcal{B}R > \mathcal{C} \Leftrightarrow b\kappa > c.$
- ▶ In subdivided populations, $\mathbb{E}[\bar{X}]$ can increase with the emigration probability m when strategy transmission is imperfect ($\mu > 0$).
- ▶ This result seems to hold under stronger selection and in heterogeneous populations.

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