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Looking for the right mate in diploid species: how does genetic dominance affect the spatial differentiation of a sexual trait?

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Highlights

- Assortative mating promoting migration drives spatial variation in preferred traits.
- In diploid model, codominant preference alleles can limit spatial differentiation.
- Dominance maintains spatial segregation despite stronger migration as codominance.
- Dominance between alleles can also favor local polymorphism.
- Our results stress out the need of diploid models of trait divergence and speciation.

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