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Contribution of gene flow to the evolution of recombination suppression in sex chromosomes

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**Highlights**

- Effects of male-limited selection on Y-autosome fusion establishment were studied.
- Spatial variation of male-limited selection and gene flow were considered.
- Simulations demonstrated that gene flow promotes the fusion establishment.
- Sex-concordant selection does not promote the fusion establishment.
- Gene flow can thus affect structural evolution of sex chromosomes.

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