## Mating system and the evolution of recombination rates in seed plants

Thomas Brazier $^{1*}$ 0, Roman Stetsenko $^{2,3,4}$ 0, Denis Roze $^{2,3}$  and Sylvain Glémin $^{1,5}$ 0

Corresponding author: thomas.brazier@univ-rennes.fr

July 17, 2024

## 1 Acknowledgments

2 We thank Laetitia Carrive for discussions about plant phylogeny.

## 3 Funding

4 Agence Nationale de la Recherche, Grant ANR-19-CE12472 0019 / HotRec.

## 5 Author contributions

- 6 T.B. and S.G. gathered the data and did the analyses. R.S. and D.R. discussed the results. All authors
- 7 equally wrote the draft and revised the manuscript.

<sup>&</sup>lt;sup>1</sup>University of Rennes, CNRS, ECOBIO (Ecosystems, Biodiversity, Evolution), Rennes, France

<sup>&</sup>lt;sup>2</sup>CNRS, UMR 7144, 29688 Roscoff, France

<sup>&</sup>lt;sup>3</sup>Sorbonne Université, Station Biologique de Roscoff, 29688 Roscoff, France

<sup>&</sup>lt;sup>4</sup>School of Biological Sciences, The University of Edinburgh, Edinburgh EH9 3FL, United Kingdom

<sup>&</sup>lt;sup>5</sup>Department of Ecology and Genetics, Evolutionary Biology Center, Uppsala University, Uppsala, Sweden