



Pollination, fertilization and carbohydrates

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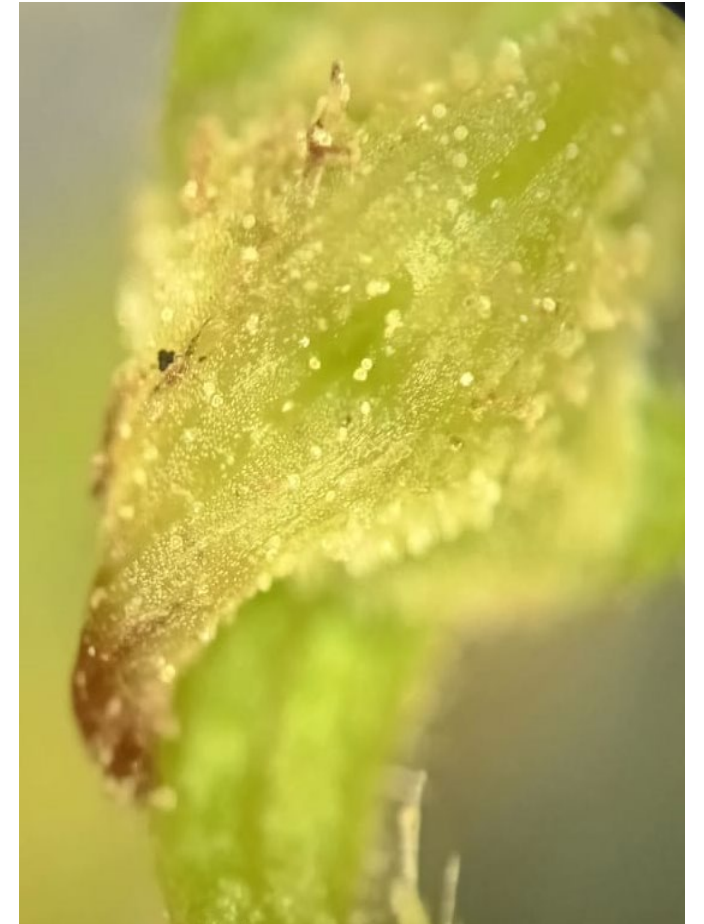
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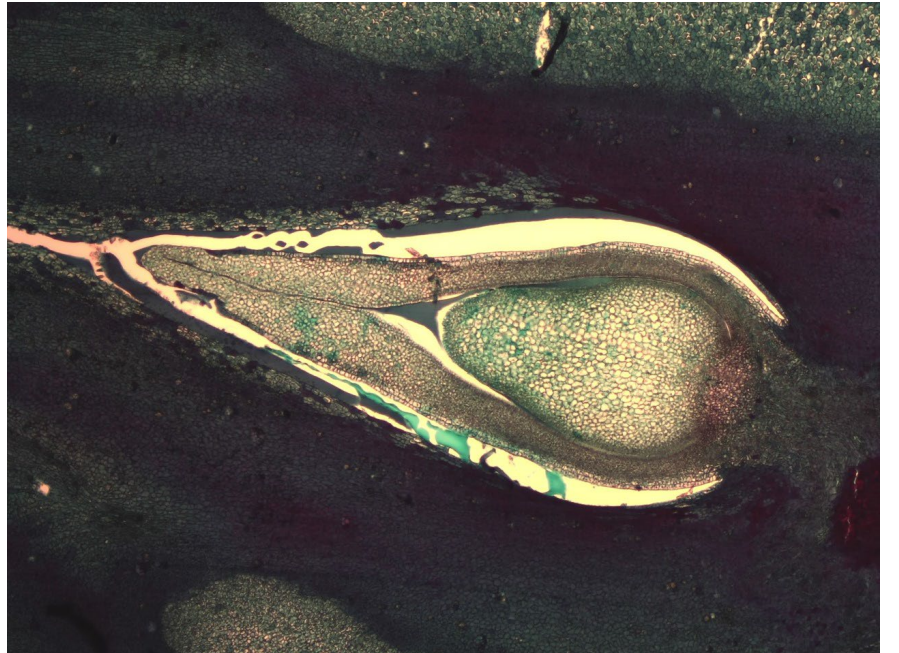
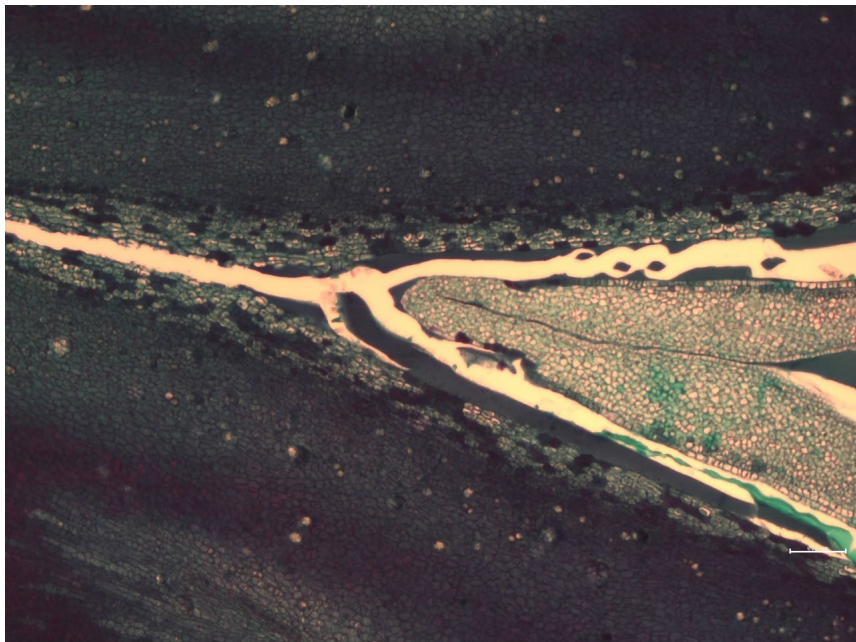
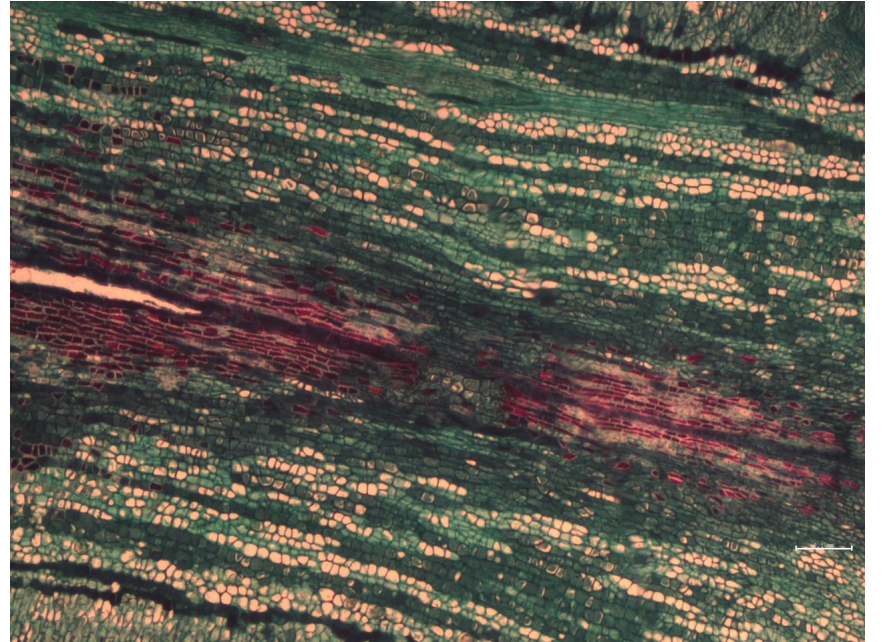
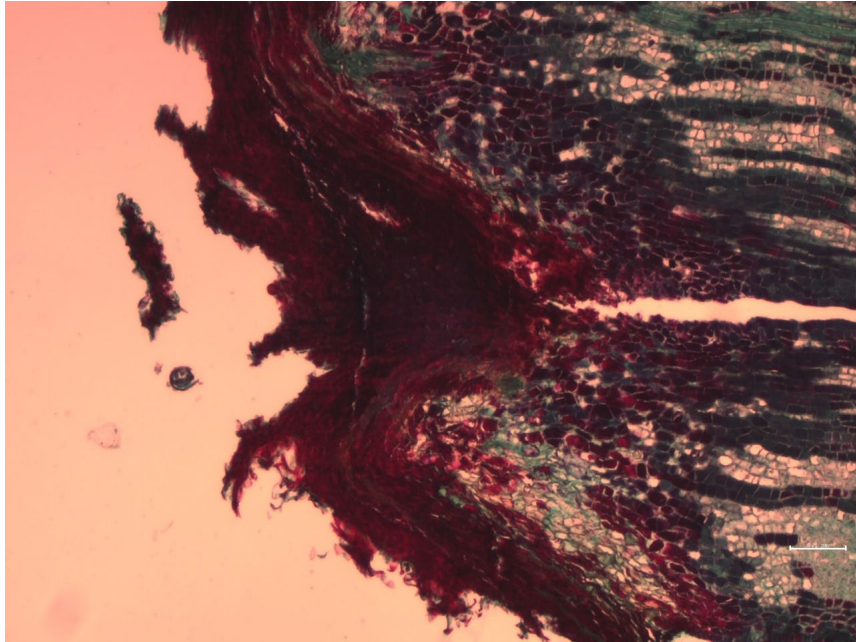
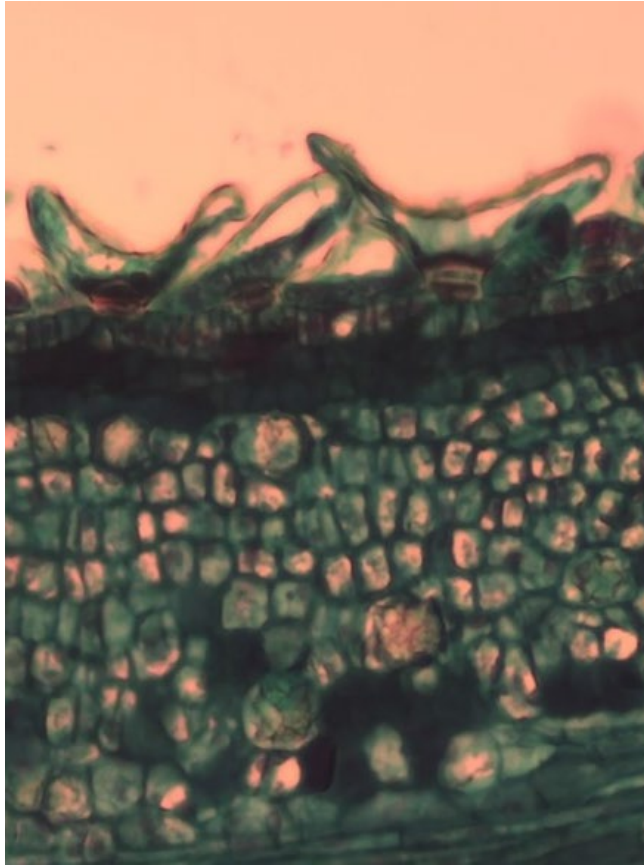
Pollination and fertilization

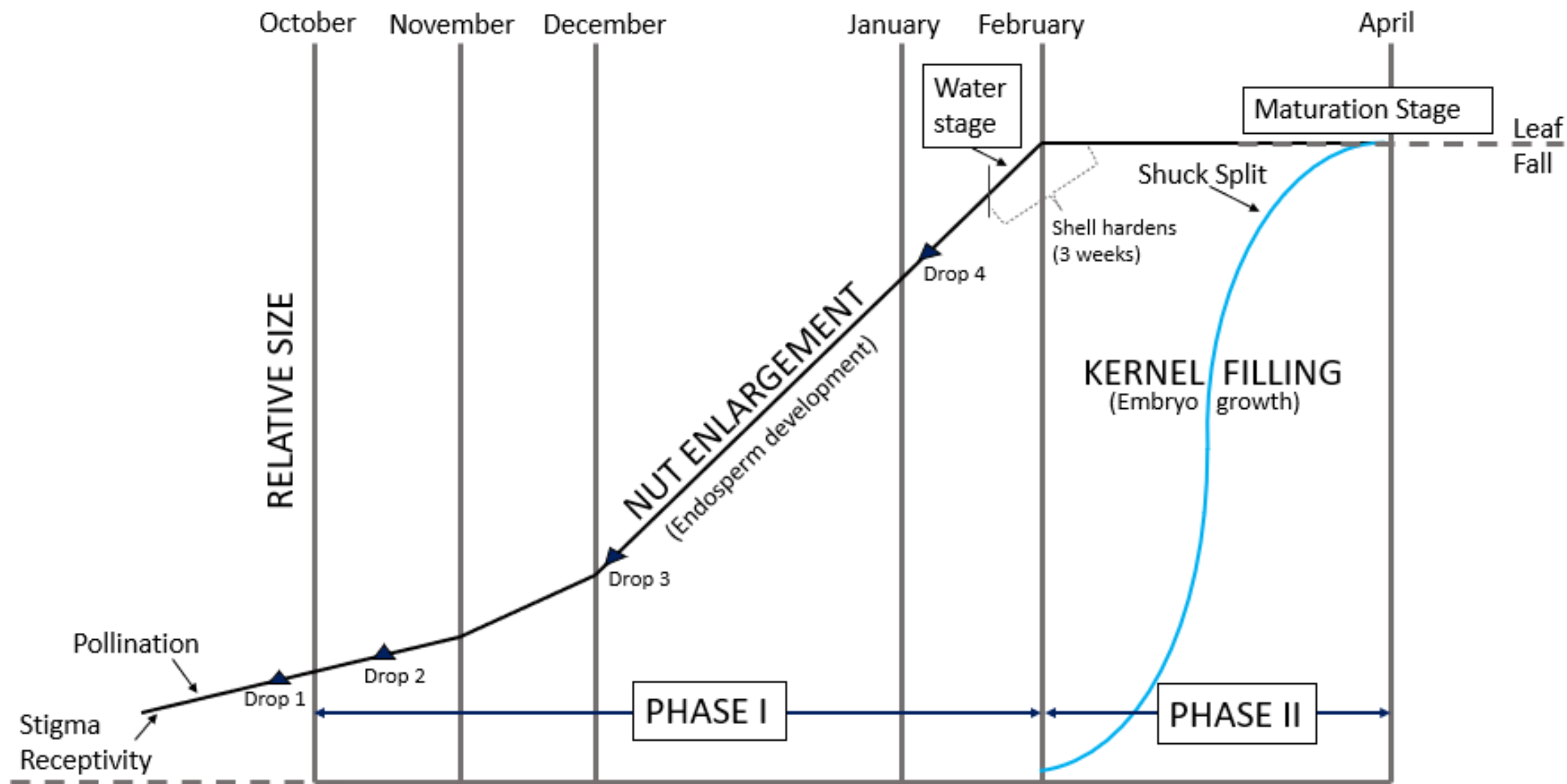
Premature nut drop

Long term pollen storage

Stigma receptivity testing

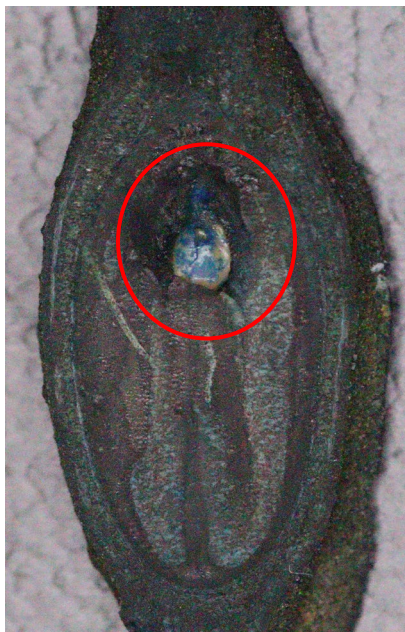






Picked

24/11/2023



14/12/2023



12/01/2024



Dropped

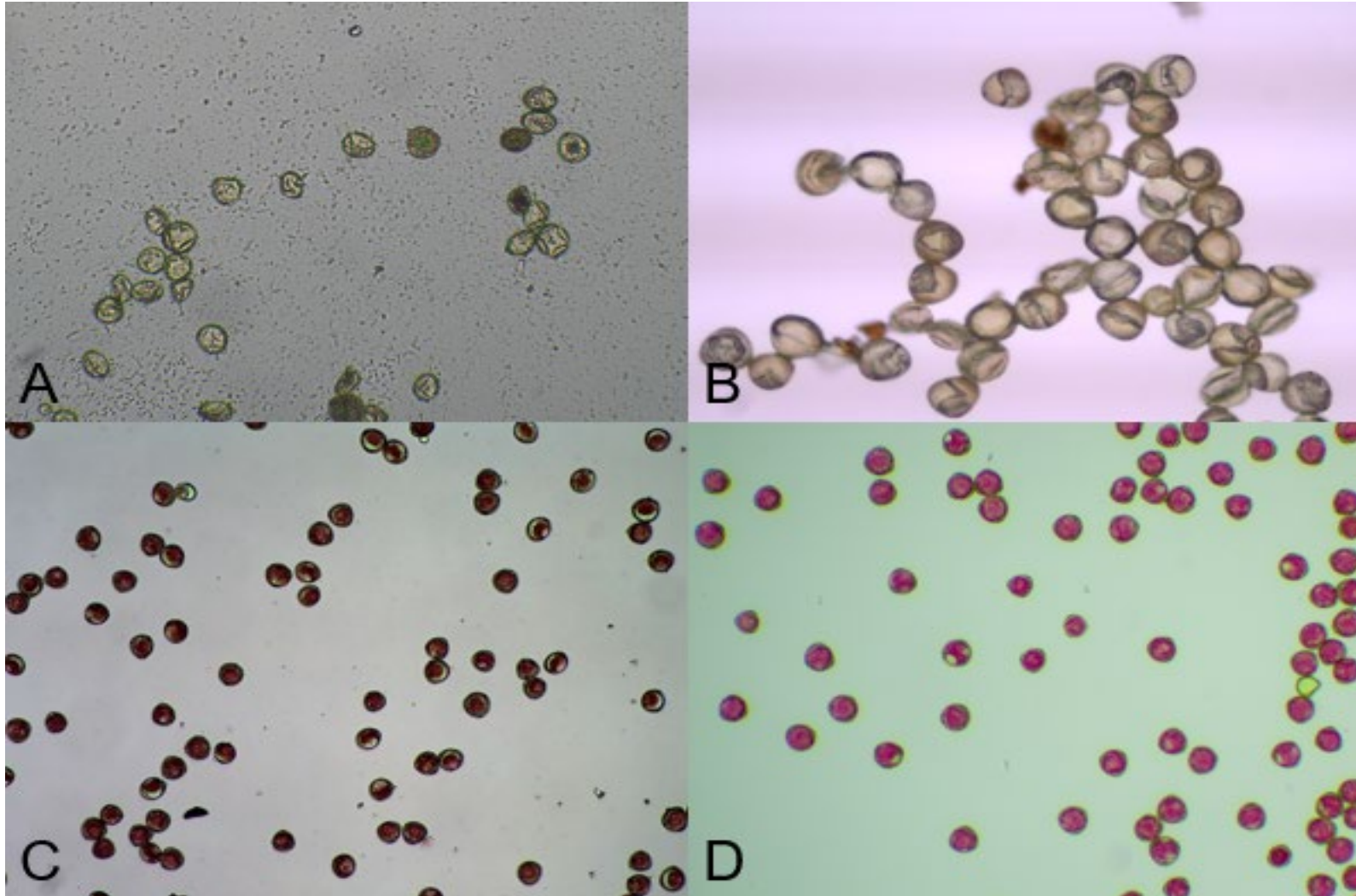


Stigma receptivity



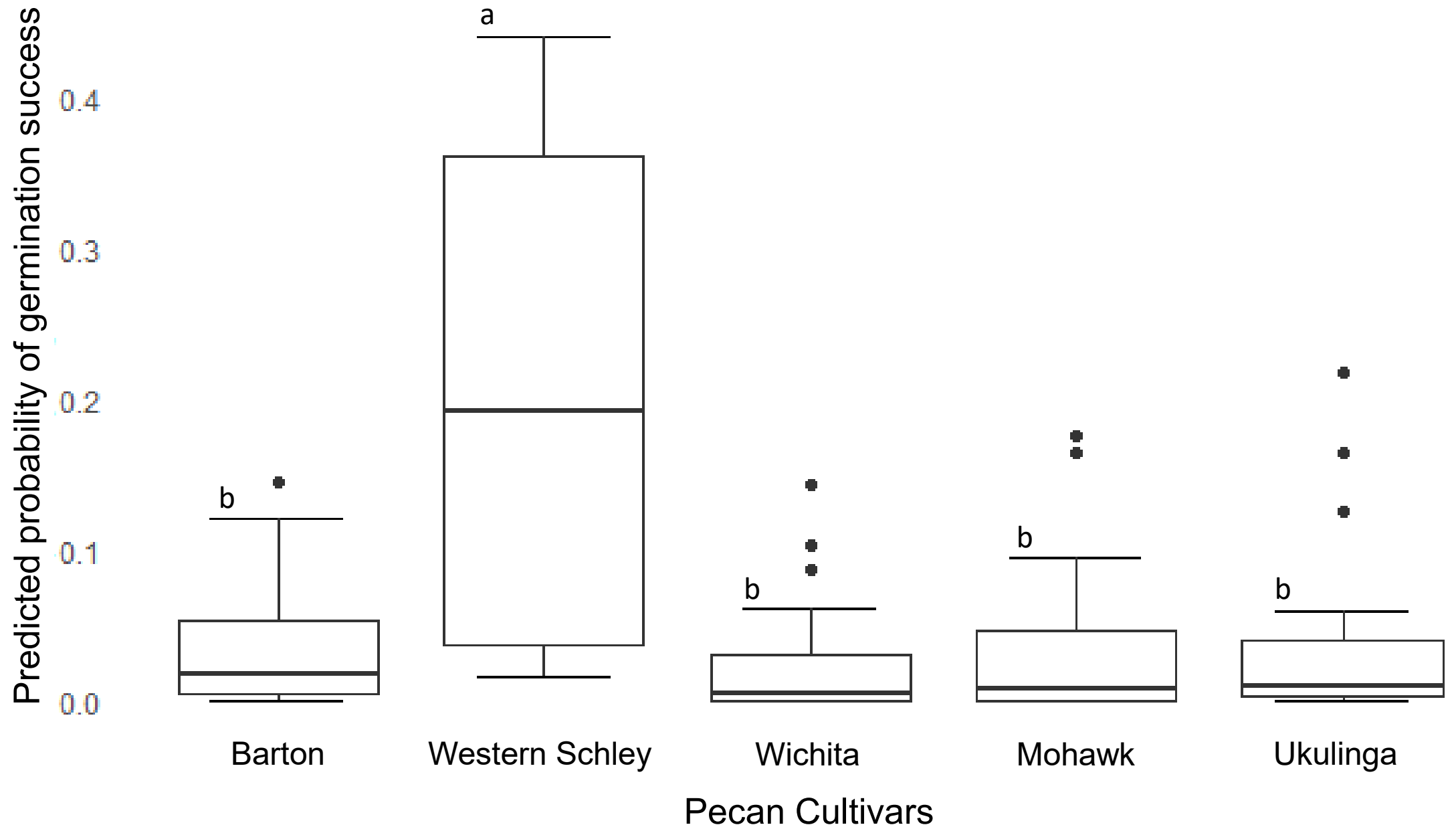


Long term pollen storage

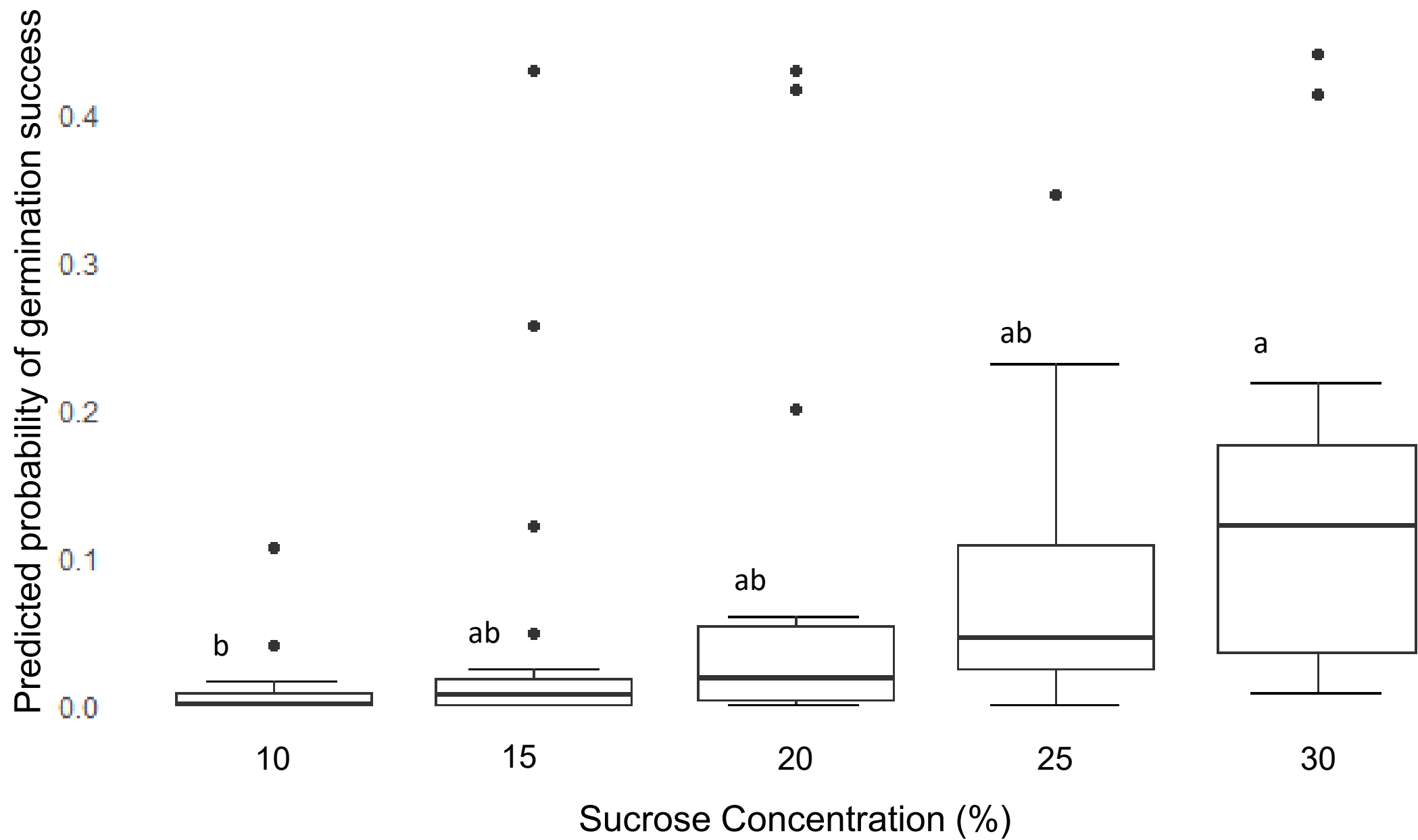


In vitro germination

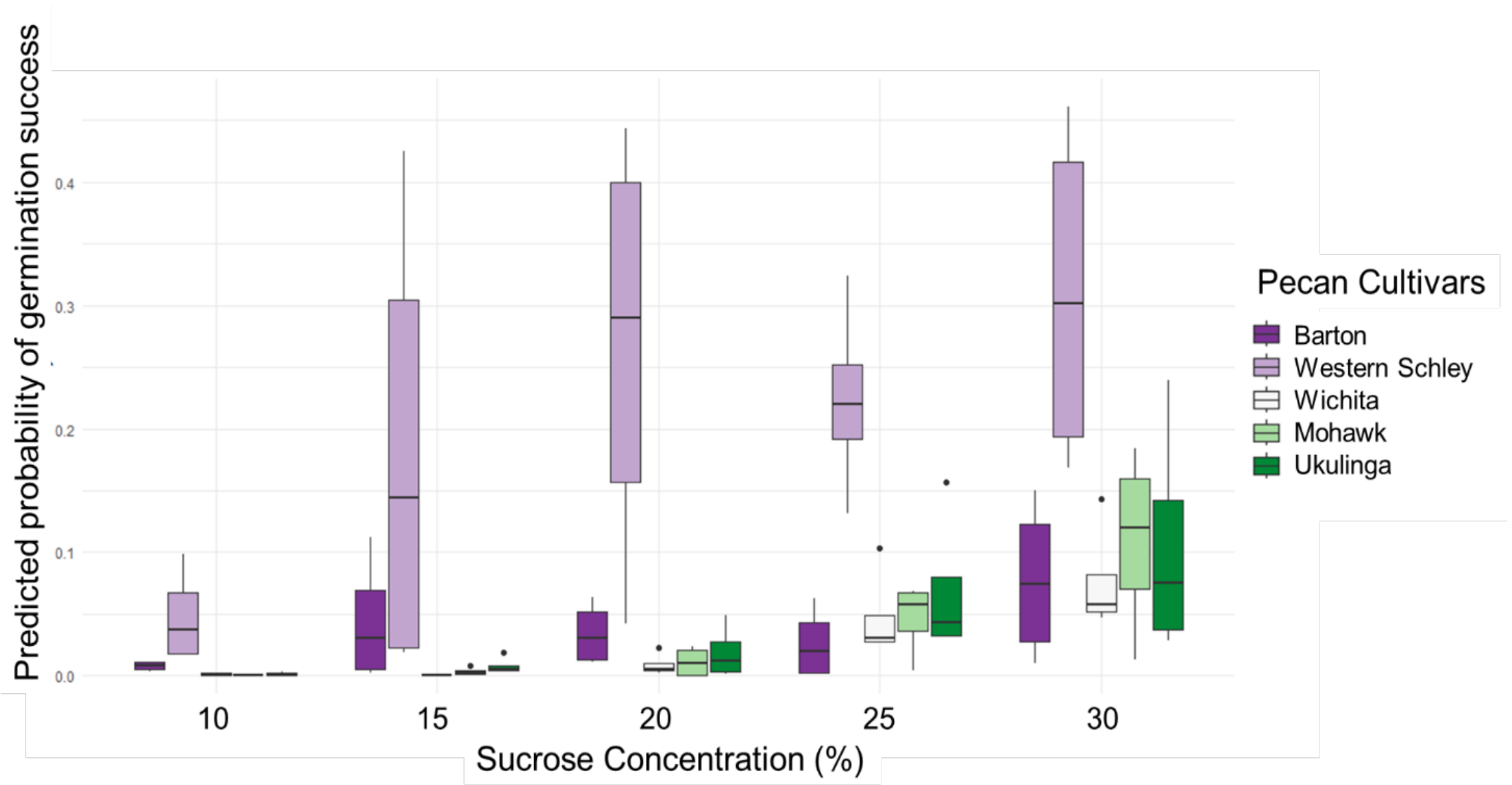


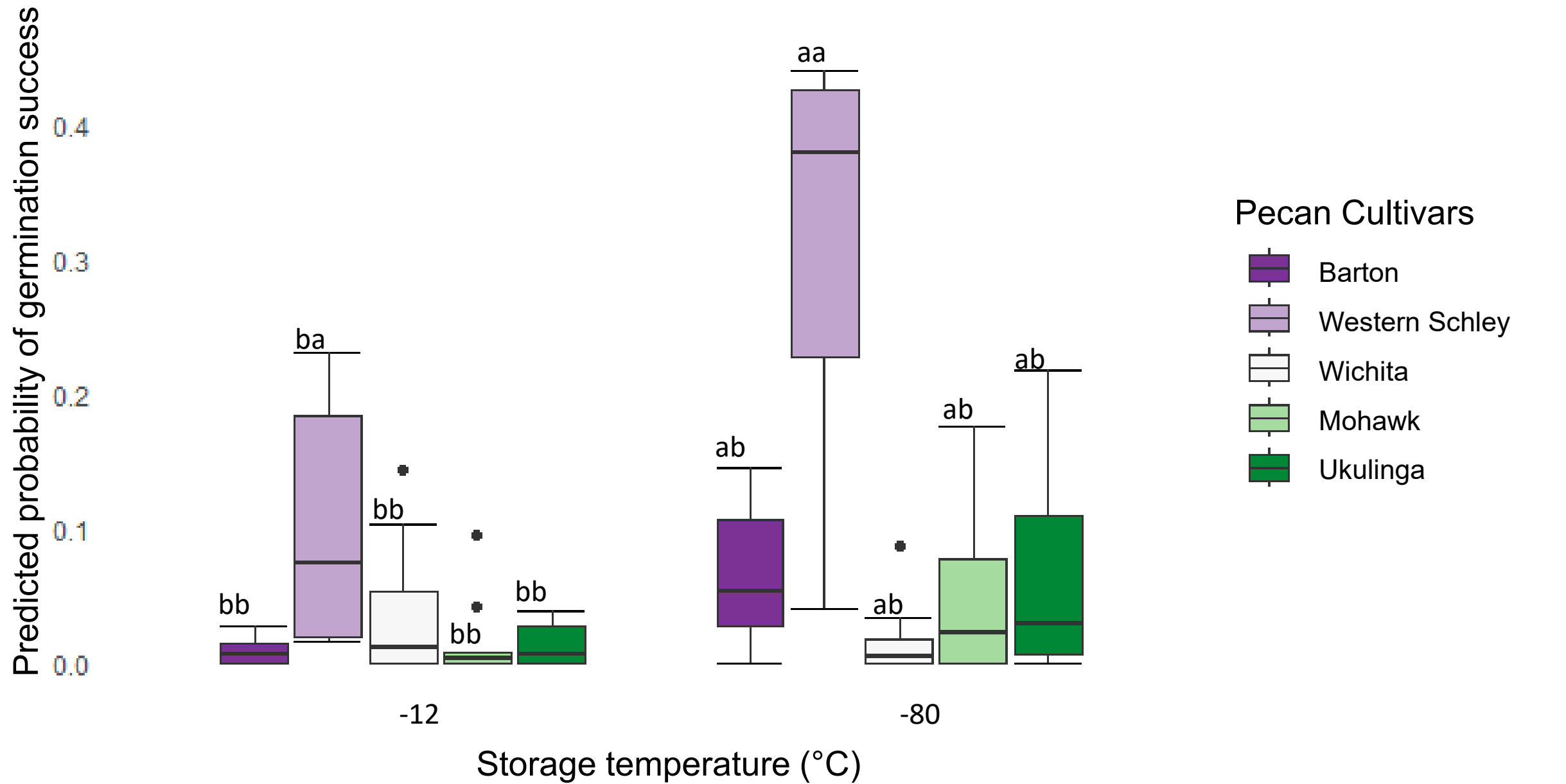


Graphs with different letters are significantly different from each other

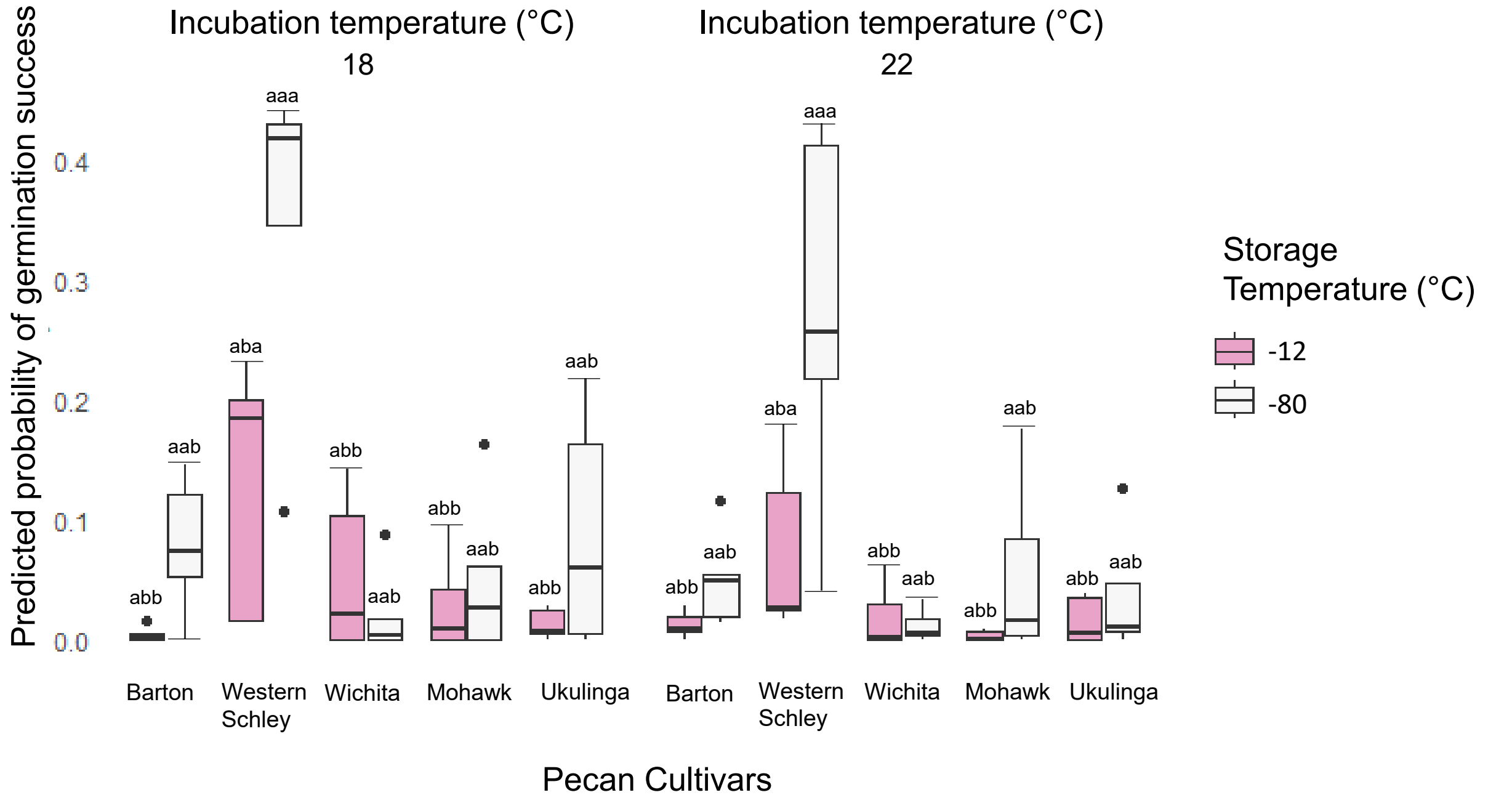


Graphs with different letters are significantly different from each other





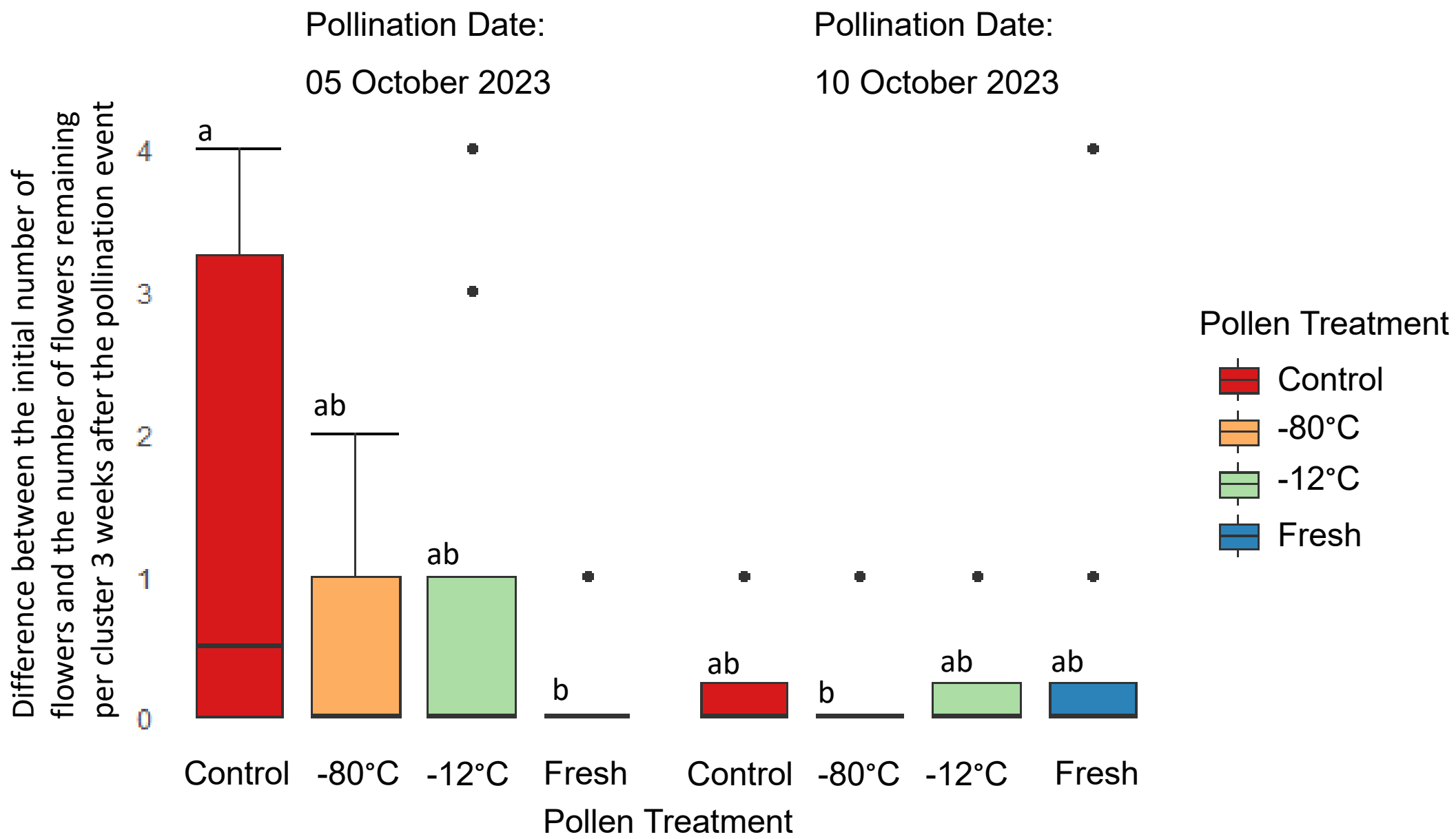
Graphs with different letters are significantly different from each other



Graphs with different letters are significantly different from each other

In vivo germination





What does this tell us?

- Pollen can be stored at -12°C & -80°C (a year or more)
- Western Schley is a superior cultivar
- Unpollinated flowers all dry out and drop within 3 weeks of pollination

Acknowledgements

Hardus and Ivan

Albert Bouwmeester

SAPPA

