

Value of vanilla agroforestry for ant conservation in the Sava Region, Northeastern Madagascar

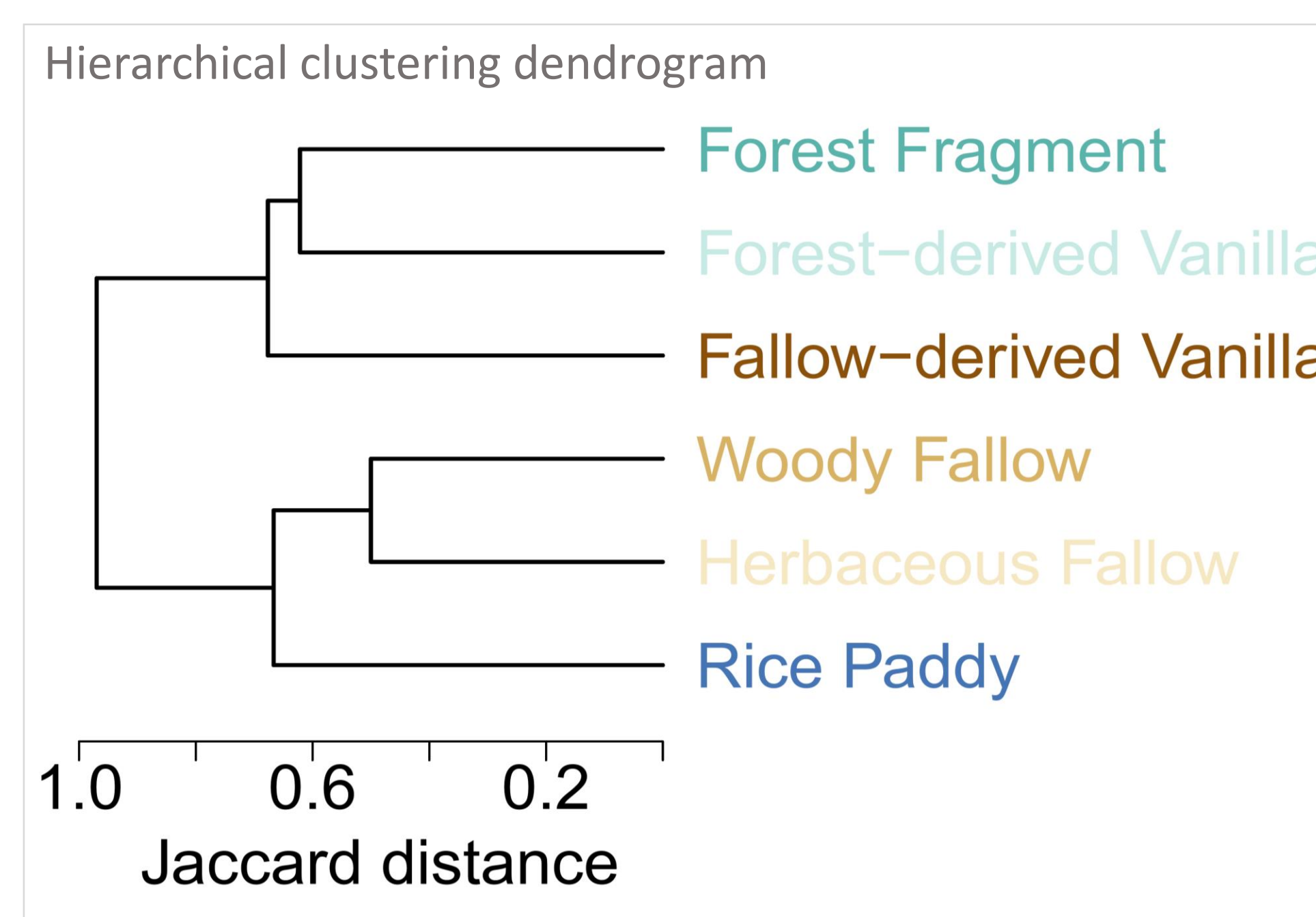
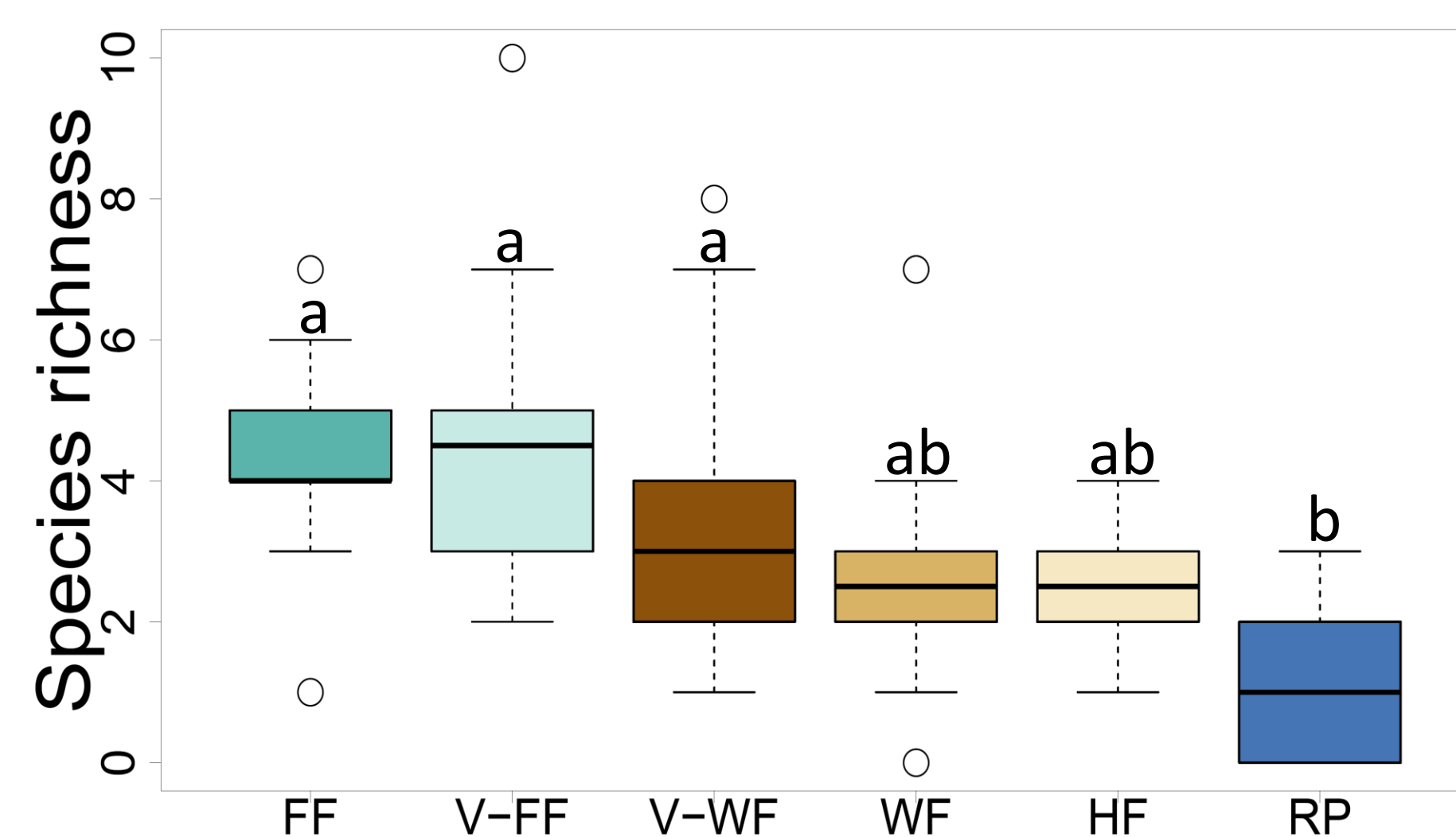
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Aims

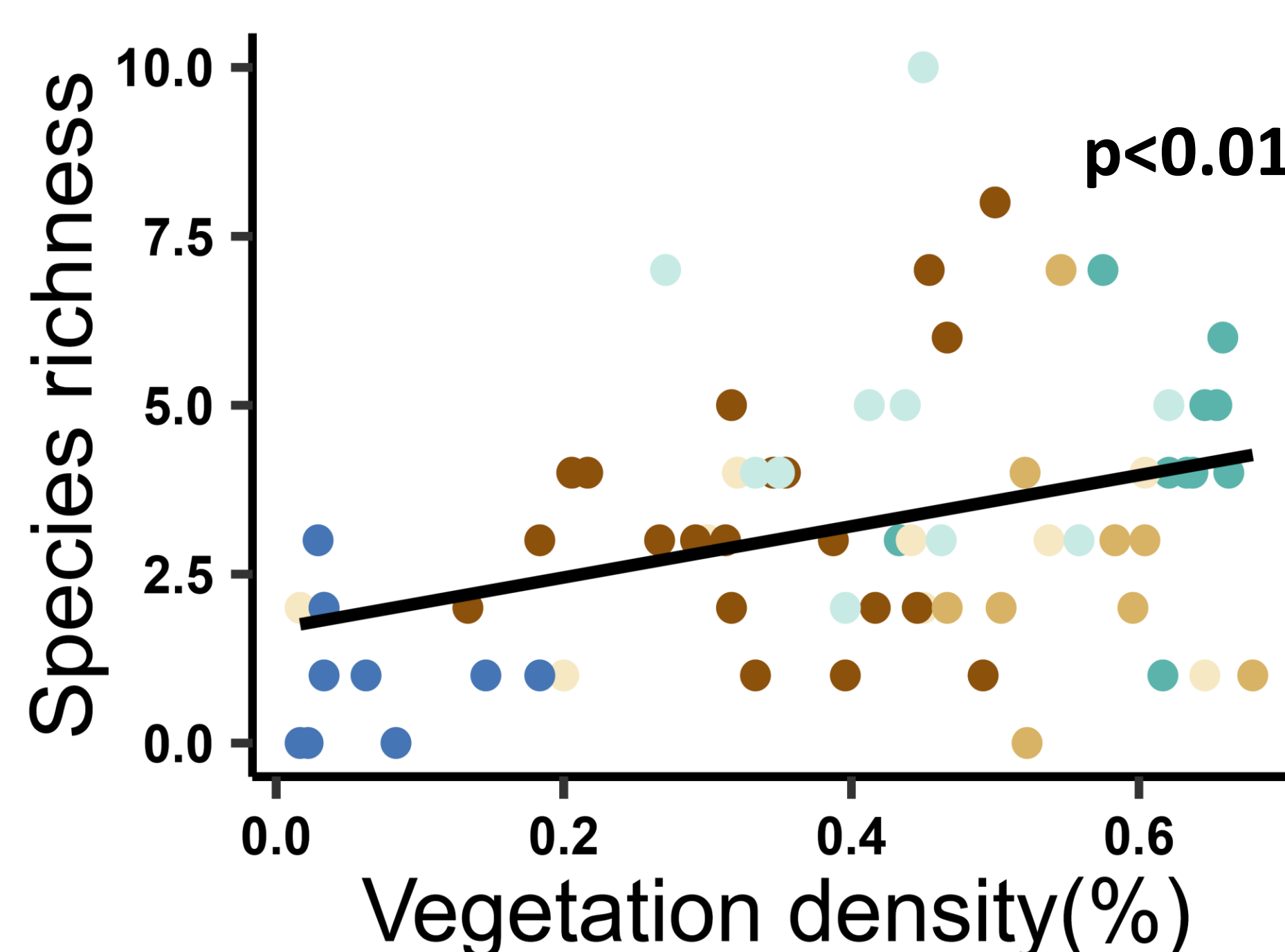
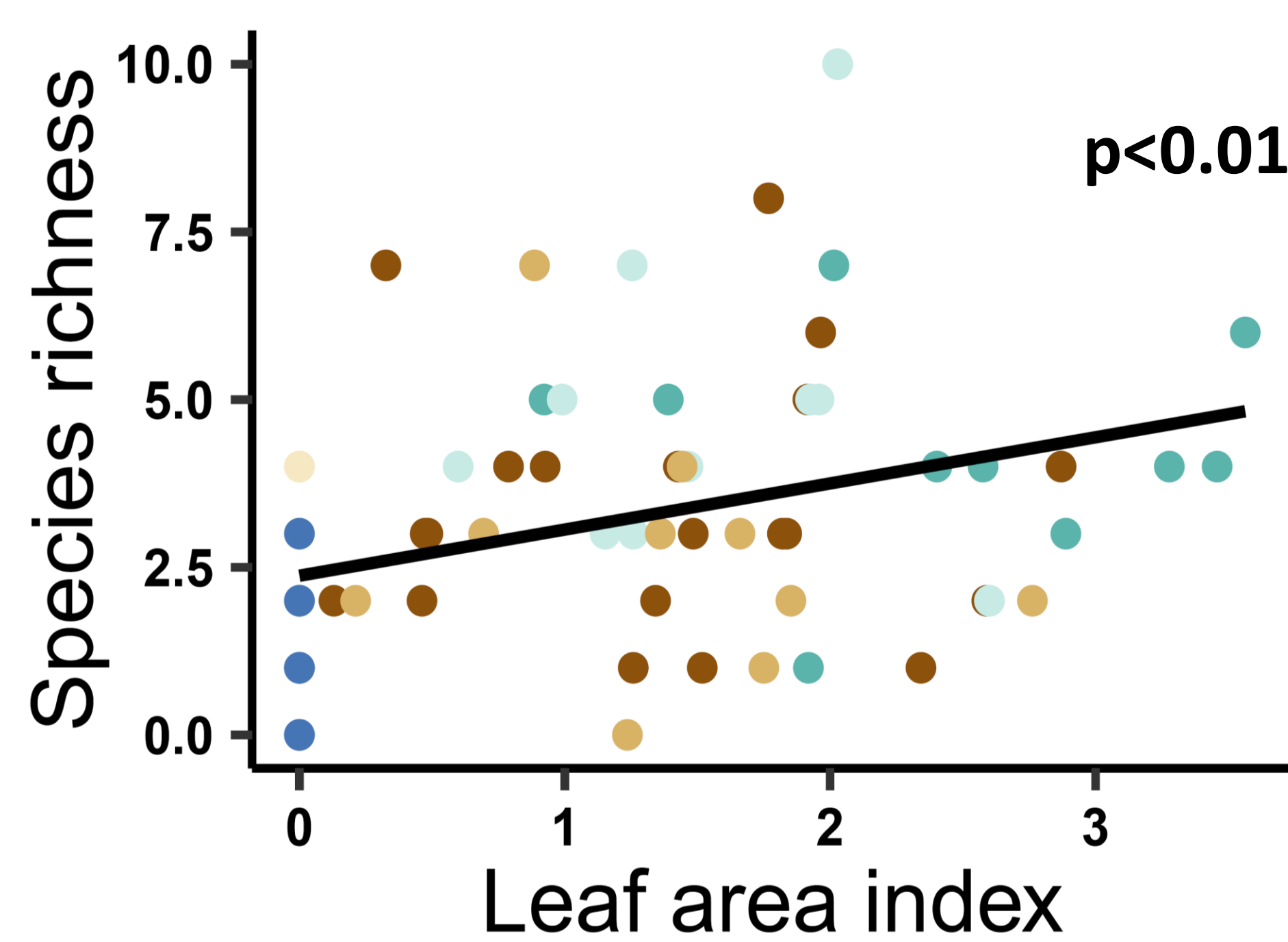
- Investigate the value of vanilla agroforestry for Madagascar's biodiversity
- Compare ant richness and species composition within vanilla cultivation to other prevalent land-use types

Results



➤ Forest fragment, forest-derived vanilla agroforestry and fallow-derived vanilla have higher ant species richness than fallow systems and rice paddies.

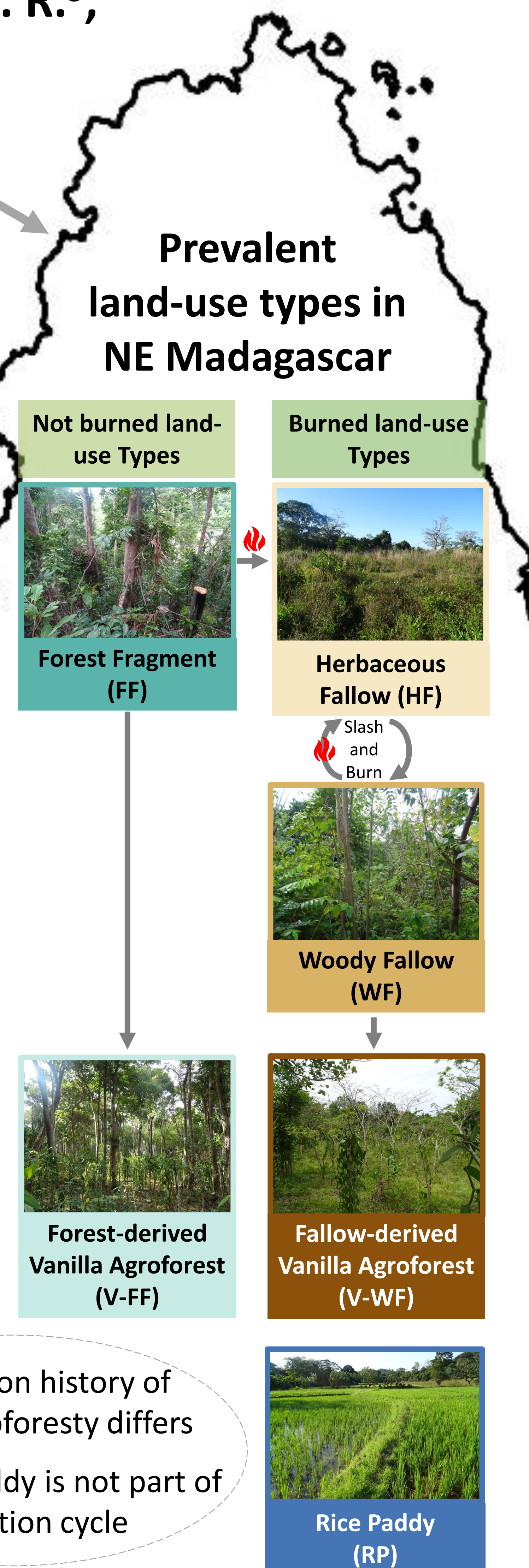
➤ Greater similarity between forest fragment and vanilla derived-forest in term of ant species composition



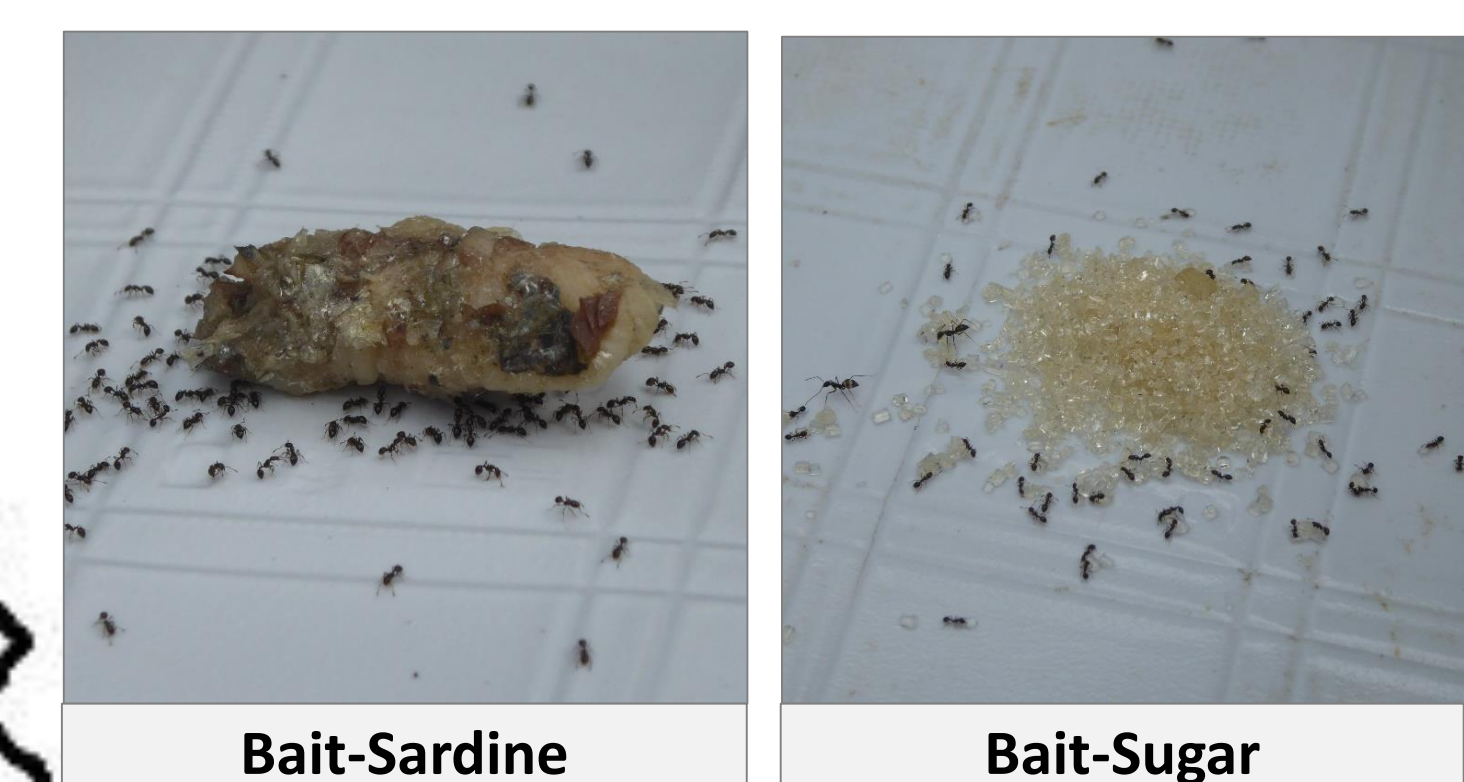
➤ Ant species richness increases with increasing Leaf Area Index and vegetation density.

Conclusion

Vanilla agroforestry and forest fragment with higher Leaf Area Index and vegetation density can support high species richness.



Ant sampling methods



Using bait traps in 6 prevalent land-use types

Acknowledgement: We thank Dominik Schwab for providing vegetation density data of our study plots and Saskia Dröge for assistance.