

Supplementary Information: Tropical tree drought sensitivity is jointly shaped by drought characteristics, species adaptations, and individual microenvironments

Contents

Climate data and correlations	2
Data cleaning additional methods	3
Growth timeseries and anomalies	4
Drought year growth of species and individuals	5
Variables and their distributions	7
Conditional dependencies	10

Authors

Krishna Anujan^{1,2*} ORCID: 0000-0003-3604-5895
Sean McMahon^{2,3} ORCID: 0000-0001-8302-6908
Sarayudh Bunyavejchewin⁴ ORCID: 0000-0002-1976-5041
Stuart J. Davies³ ORCID: 0000-0002-8596-7522
Helene C. Muller-Landau³ ORCID : 0000-0002-3526-9021
Nantachai Pongpattananurak⁵ ORCID: 0000-0001-8687-6182
Kristina Anderson-Teixeira^{1,3} ORCID: 0000-0001-8461-9713

Climate data and correlations

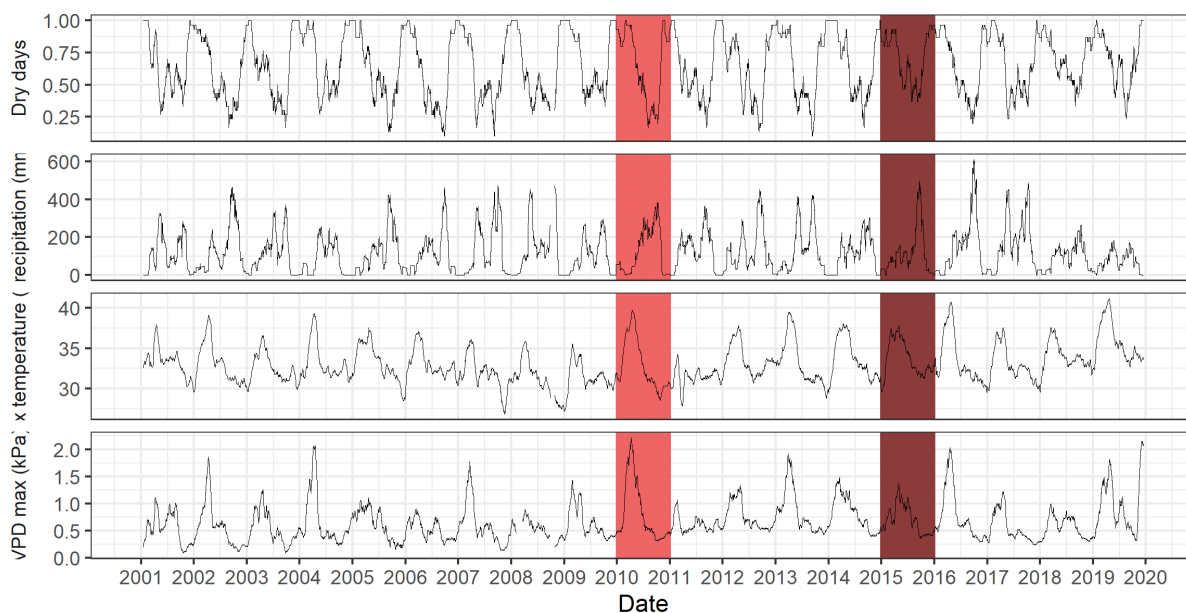
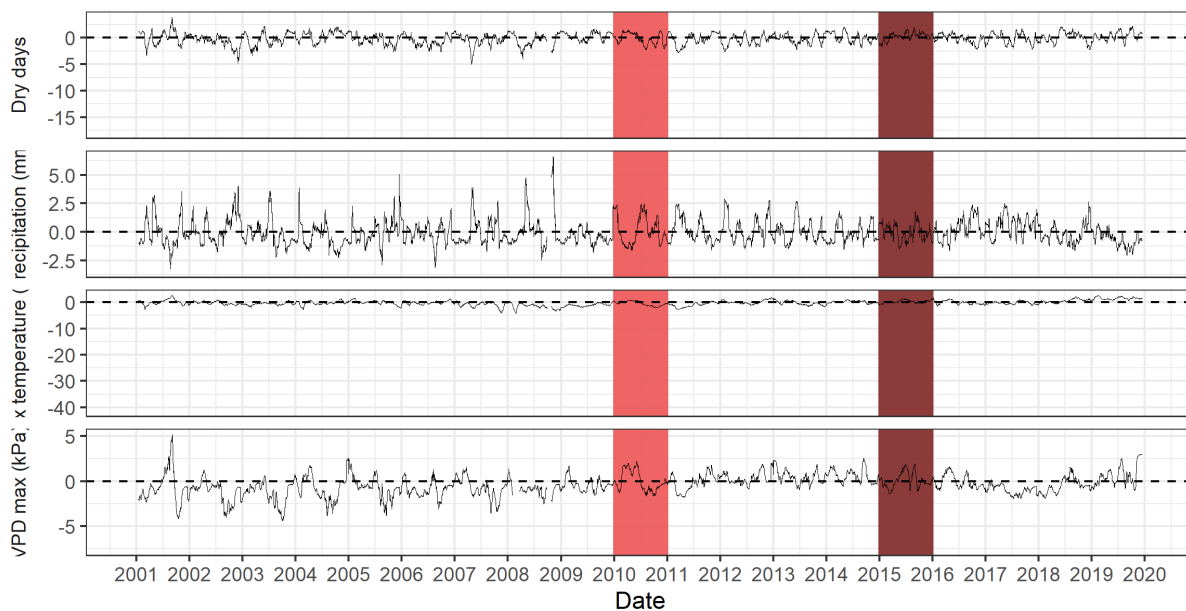


Figure S1: Raw climate data timeseries



Data cleaning additional methods

- Data cleaning steps
- Calculating DBH equation
- Corroboration with tape measurements
- error distribution

Growth timeseries and anomalies

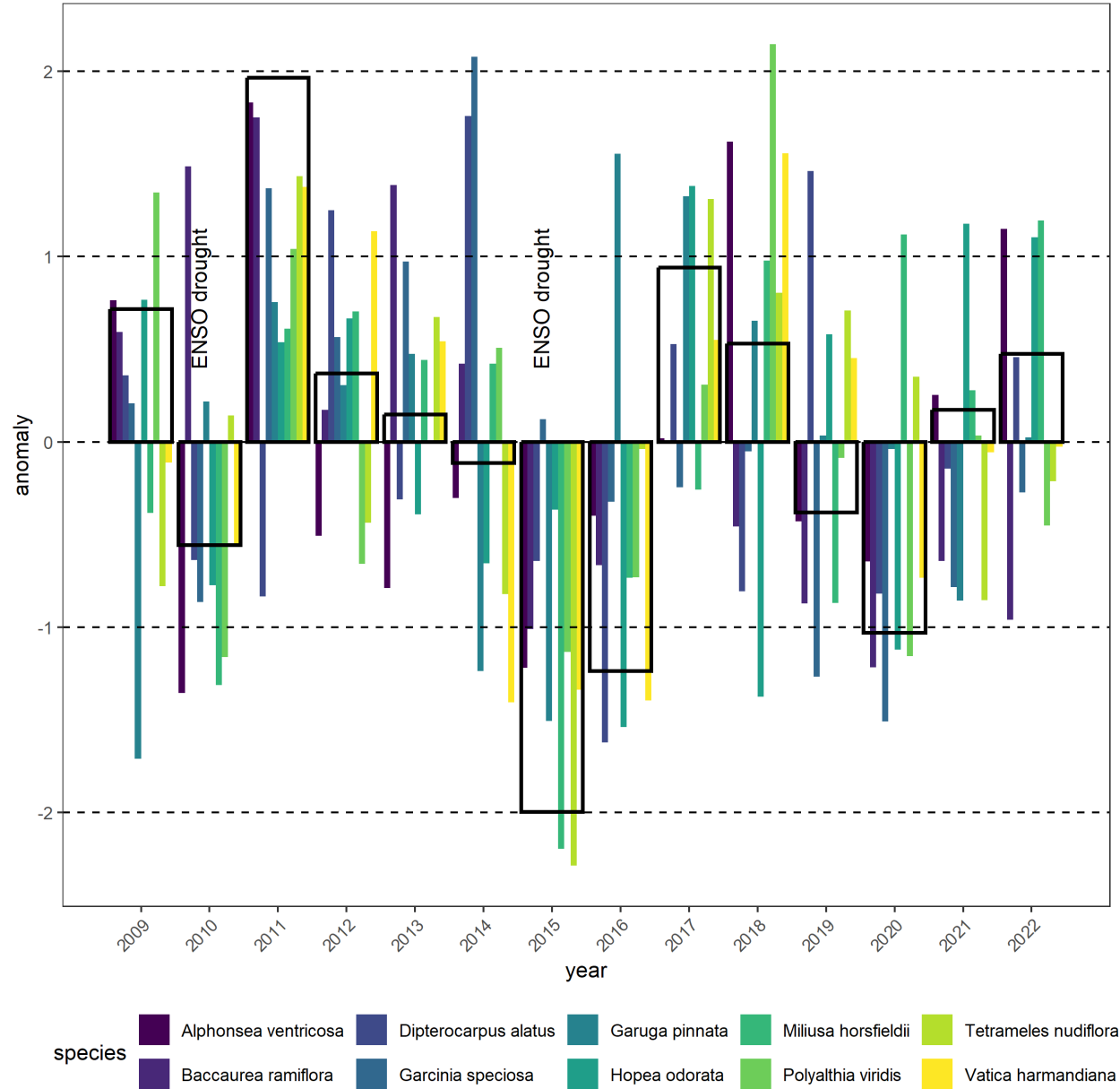


Fig S3: Growth anomalies across the timeseries

Drought year growth of species and individuals

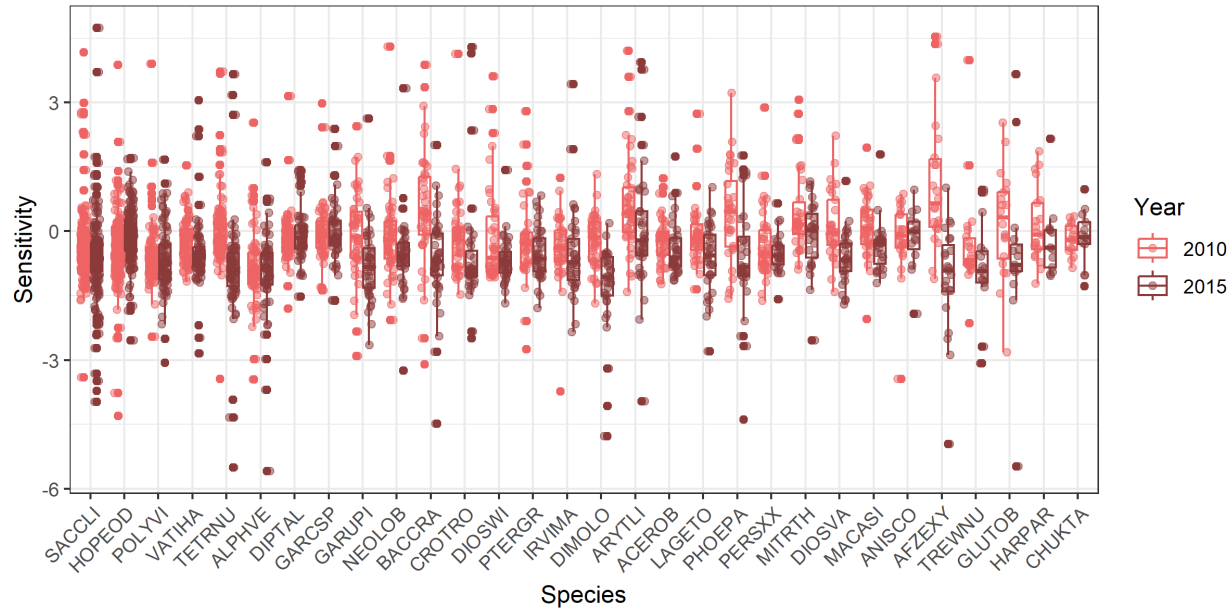


Fig S4: Species sensitivities in drought years

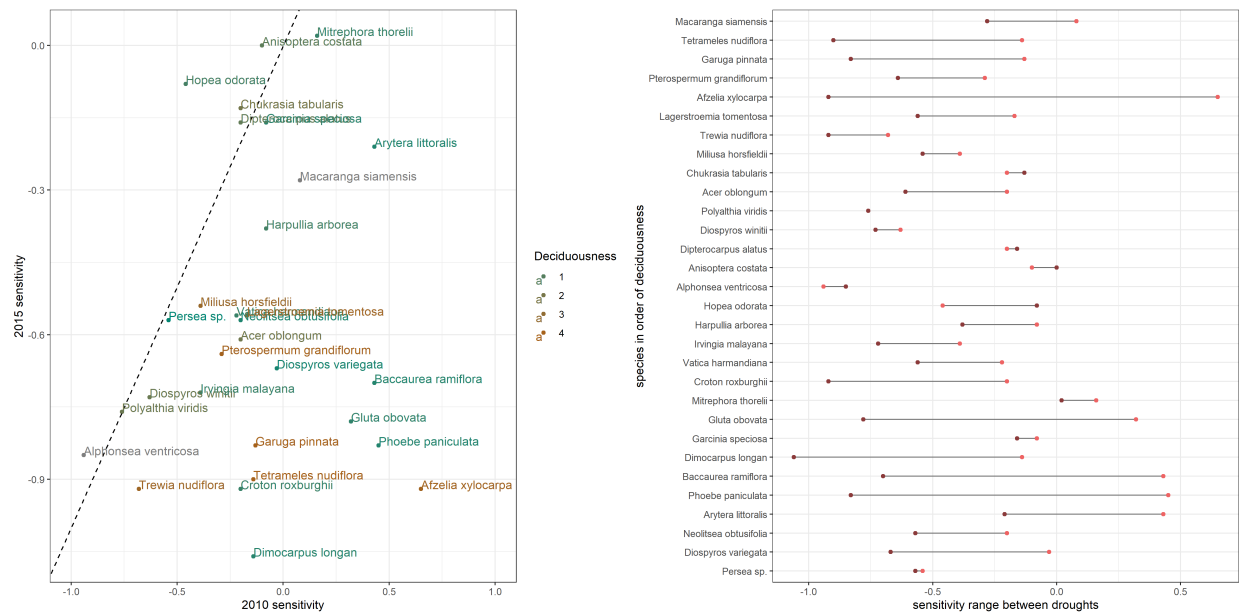


Fig S5: Correlations of species sensitivities across the two years

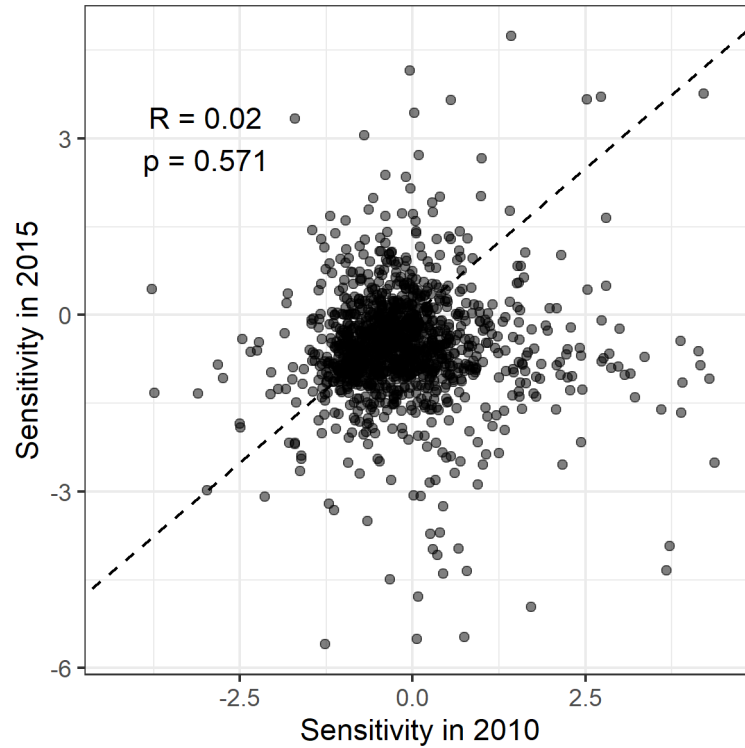
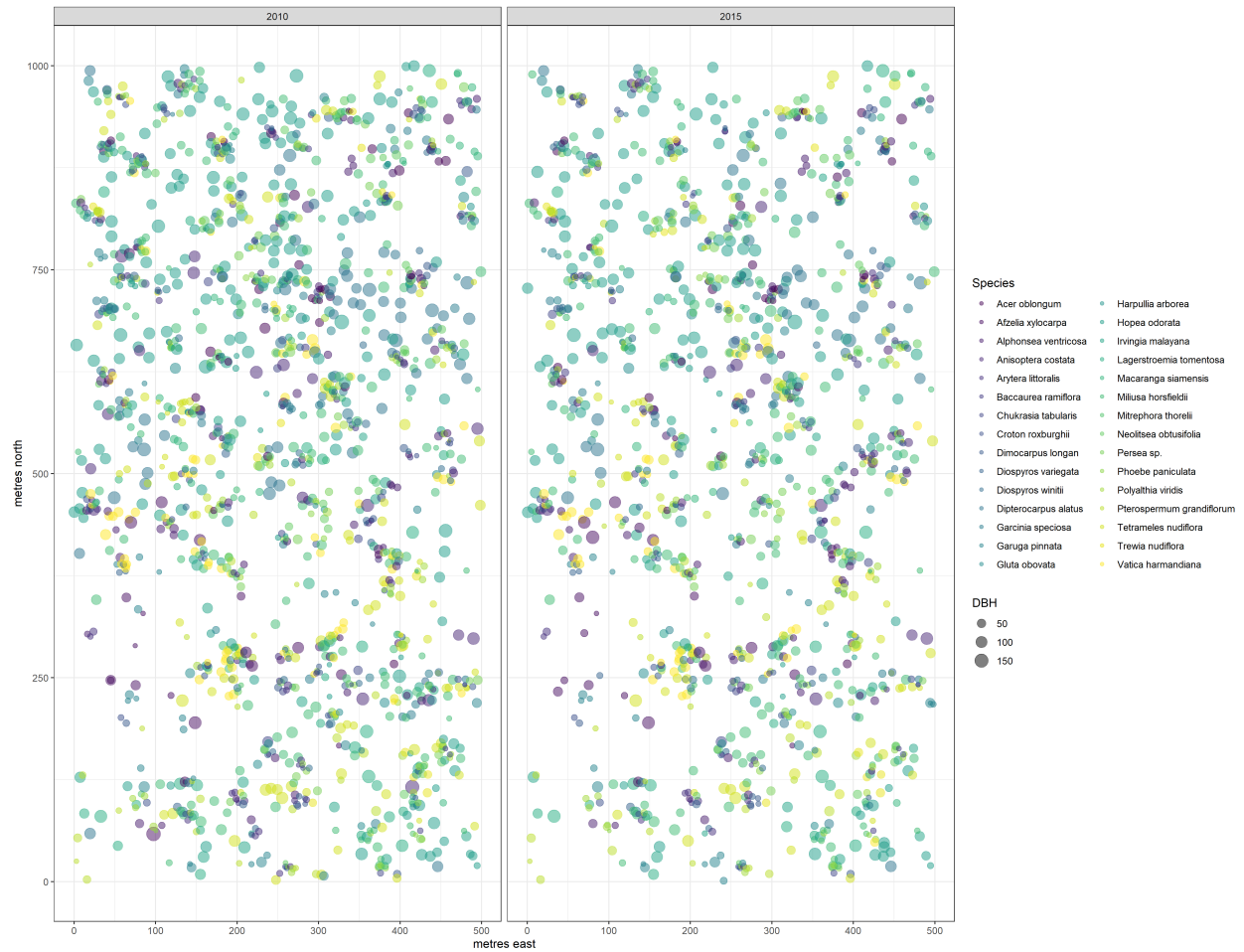
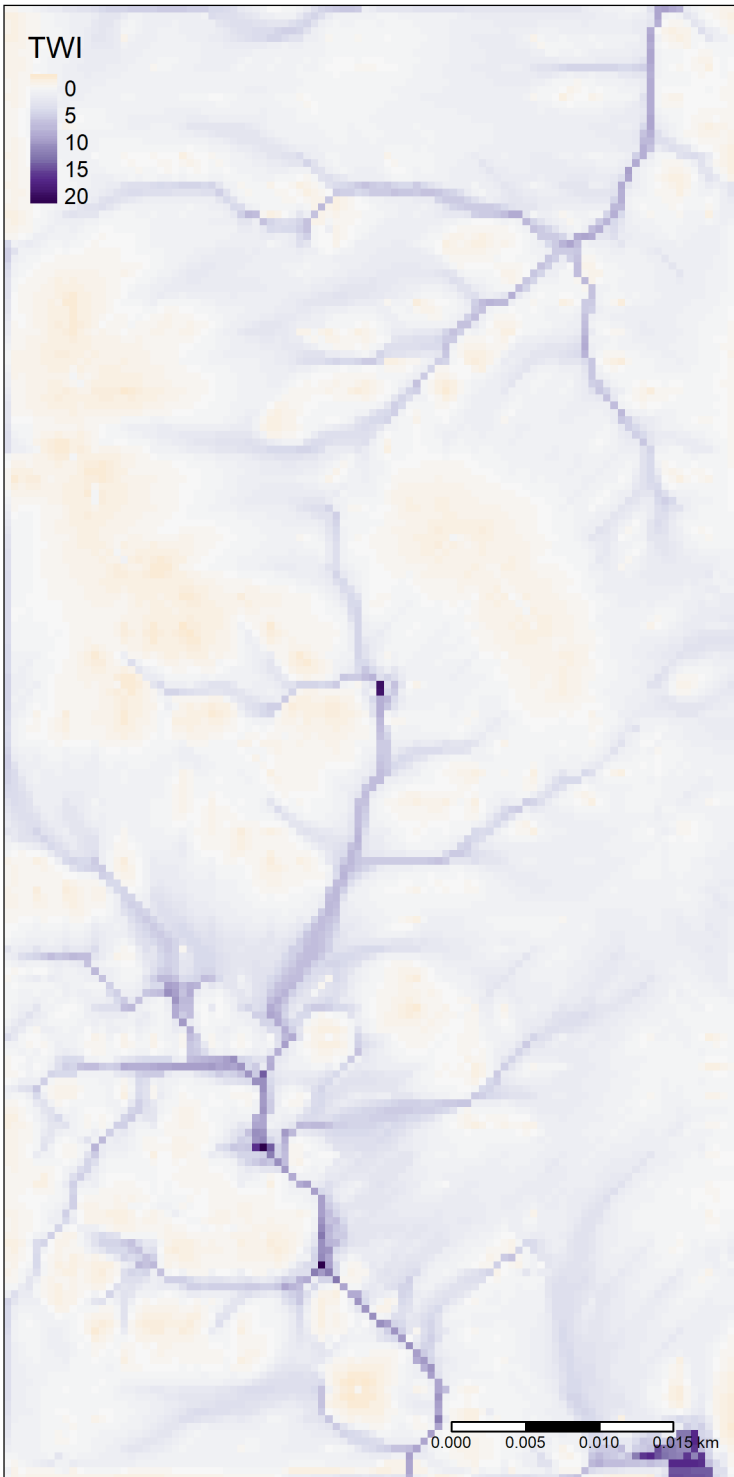


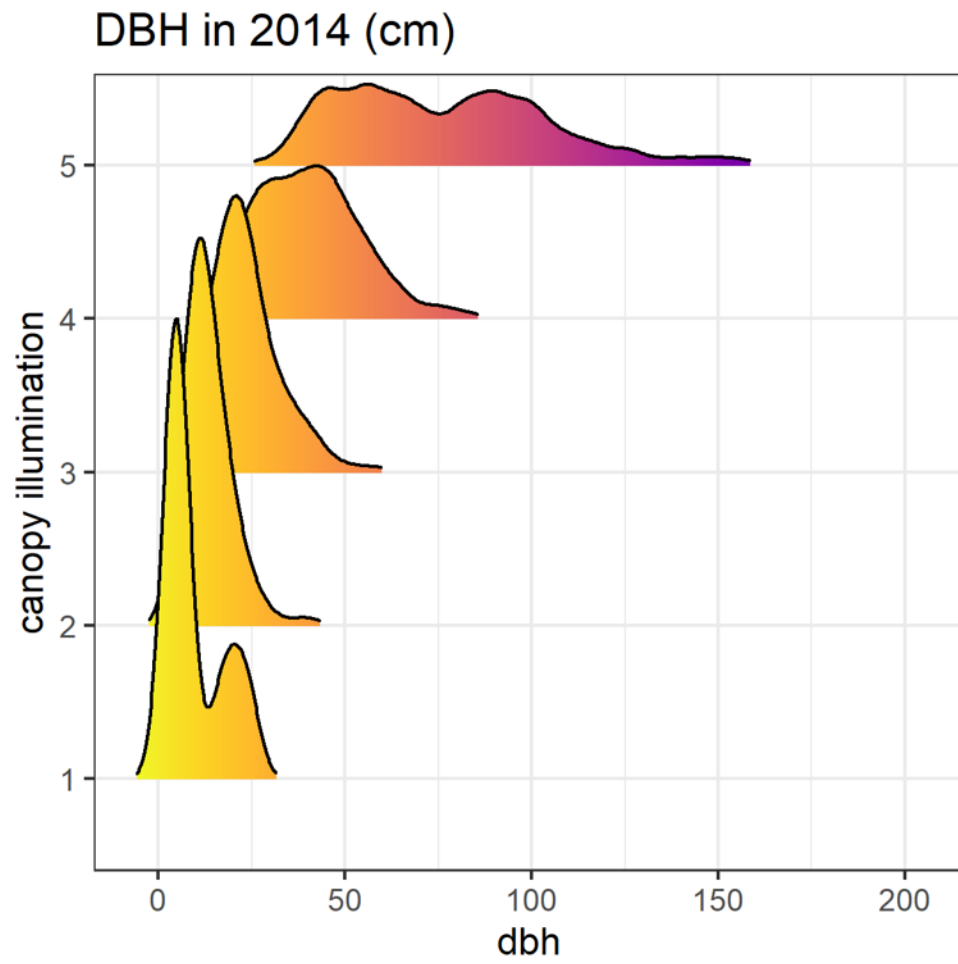
Fig S6: Correlation of individual sensitivities across the two years

Variables and their distributions

Map of trees







Conditional dependencies

