

4 **Table S6** Loading of the first axis from a principal component analyses (PCA) using climatic
 5 data from the Mocambinho weather station, 10 km away from the Mata Seca State Park.
 6 Significance levels are based on a Pearson's correlation between climatic properties collected
 7 during the 36 months of study and the scores of the first axis of the PCA. Bolded correlations
 8 are significant at $P < 0.05$.

Climatic variables	Pearson Coefficient
Average wind speed ($\text{m}\cdot\text{s}^{-1}$)	-0.169
Actual evapotranspiration (mm)	0.719
Insolation (hs)	-0.369
Nº days with rain	0.65
Precipitation (mm)	0.634
Average temperature ($^{\circ}\text{C}$)	0.382
Average relative humidity (%)	0.517