

High tree host diversity buffers the effect of *Fraxinus excelsior* dieback on epiphytic bryophytes composition in the Białowieża Primeval Forest

Supplementary Material

Supplementary Table 1. Parameters of epiphytic bryophytes vegetation characteristics passively fitted to the PCA ordination results in regards to vegetation plot and tree phorophyte level. Determination coefficients R^2 and P -values were calculated using a permutation test with 999 iterations

Abbreviations: CWM – community weighted mean; EIV – ecological indicator value. Statistically significant results are in bold.

Parameter		PC1	PC2	R^2	P
Vegetation plot level					
Species richness		−0.999	−0.028	0.303	0.001
Shannon index		−0.999	0.010	0.299	0.001
CWM of light EIV		0.610	−0.791	0.095	0.001
CWM of temperature EIV		−0.512	−0.858	0.294	0.001
CWM of moisture EIV		−0.974	−0.224	0.716	0.001
CWM of reaction EIV		0.690	−0.723	0.808	0.001
Sampling year	1992	−0.055	−0.021	0.003	0.500
	2016	0.056	0.021		
<i>F. excelsior</i> occurrence	absent	0.2733	0.315	0.123	0.001
	extinct	0.017	0.126		
	present	−0.214	−0.299		
Tree host level					
Species richness		−0.915	−0.401	0.927	0.001
Shannon index		−0.955	−0.294	0.769	0.001
CWM of light EIV		−0.113	0.993	0.189	0.107
CWM of temperature EIV		−0.980	0.196	0.358	0.013
CWM of moisture EIV		0.108	−0.994	0.650	0.001
CWM of reaction EIV		−0.762	0.647	0.708	0.001
Sampling year	1992	0.157	0.016	0.003	0.940
	2016	−0.157	−0.016		