

Velasco Monés G., Padullés Cubino J. & Lososová Z. (2025) Disentangling the effects of traits and environmental factors on species' successional optima: a study from central Europe. – Preslia 97: 241–260.

Supplementary Table S1. Phylogenetic signal based on Pagel's model of evolution. A lambda of 0 implies a star-shaped phylogeny (absolute absence of phylogenetic correlation), while a lambda of 1 implies a Brownian motion model of evolution (Pagel 1999). The parameter values were obtained by the phytools R package (Revell 2012).

Trait	Pagel's lambda	P-value
Bud bank size	0.8	1.47E-12
Bud bank depth	0.88	3.57E-45
Flowering length	0.56	4.74E-05
Seed mass	0.99	1.35E-219
Height	0.96	7.13E-170
LDMC	0.9	9.40E-133
LA	0.92	4.55E-80
SLA	0.83	2.52E-23
Clonality index	0.69	3.24E-29
Lateral spread	0.68	3.37E-01
Vegetative reproduction	0.75	4.21E-18
Autogamy	0.41	1.01E-05
Hemicryptophyte	0.9	4.15E-55
Myrmecochory	0.98	2.07E-135
Therophyte	0.74	2.61E-13
Woody	0.83	3.48E-34
Geophyte	0.76	6.35E-36
Parasitism	0.99	0

References

- Pagel M. (1999) Inferring the historical patterns of biological evolution. – Nature 401: 877– 84.
 Revell L. J. (2012) phytools: an R package for phylogenetic comparative biology (and other things). – Methods in Ecology and Evolution 3: 217–223.