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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

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