	Leaf traits				Plant-insect interaction					
	(M1) LM$_A$		(M2) Leaf size		(M3) Presence/absence		(M4) Damaged area		(M5) Herbivory index	
	Chi2	p-value	Chi2	p-value	Chi2	p-value	Chi2	p-value	Chi2	p-value
LM$_A$	not tested		not tested		4.97	< 0.001	ns	ns	2.46	0.12
Leaf size	71.64	< 0.001	not tested		2.60	0.11	9.94	< 0.01	not tested	
Phenology	56.17	< 0.001	13.41	< 0.01	ns	ns	10.85	< 0.01	8.64	0.01
Locality	2.14	0.14	2.89	0.09	13.39	< 0.001	ns	ns	ns	ns
Family	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
Species	146.73	< 0.001	149.38	< 0.001	ns	ns	ns	ns	ns	ns
Categorical TCT	ns	ns	ns	ns	8.41	0.04	ns	ns	ns	ns
Combined TCT	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
Growth form	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
IA	6.18	0.01	18.09	< 0.001	ns	ns	not tested		not tested	
AIC	4431.38		7525.76		315.97		426.01		236.26	
R2	0.52		0.53		0.06		0.58		0.24	
n	506		506		506		50		50	

Notes.

Chi2: Chi-square values

LM$_A$: Leaf mass per area

M: Model number (formula given in Results)

Categorial TCT: Classes of TCTs (TCT without considering the secondary venation type, e.g., EF)

Combined TCT: TCTs based on a combined specimen and taxonomy-based approach; see Material & Methods

IA: Preservation (Area) index (i.e., the proportion of a leaf preserved as fossil; see Material & Methods)

AIC: Akaike Information Criterion

R2: Nagelkerke's R2 (reflects the explanatory power of the models; function R2, package *performance*)

n: Number of leaves used to fit the model's

ns: "Nonsignificant" indicates variables whose effect was tested but which are not significant (see model selection procedure with the step function, see Material & Methods)