

S4 Table. Analysis of variance of a linear model testing for differences in leaf shape in saplings across species, temperature (cool or warm), and the species × temperature interaction.

Variable	Effect	df	SS	F	<i>P</i>
Tooth abundance					
Number of teeth	Species	2	166498	295	<0.001
	Temperature	1	3974	14.1	<0.001
	Interaction	2	5315	9.41	<0.001
	Residuals	32	9036		
Number of teeth / internal perimeter	Species	2	953	191	<0.001
	Temperature	1	37.2	14.9	<0.001
	Interaction	2	35.0	7.02	0.003
	Residuals	32	79.9		
Number of teeth / blade area	Species	2	2318	63.7	<0.001
	Temperature	1	172	9.48	0.005
	Interaction	2	138	3.80	0.03
	Residuals	32	582		
Tooth size					
Tooth area	Species	2	1.27	41.9	<0.001
	Temperature	1	0.00582	0.385	0.54
	Interaction	2	0.0196	0.649	0.53
	Residuals	32	0.484		
Average tooth area	Species	2	0.00502	30.7	<0.001
	Temperature	1	0.000311	3.81	0.06
	Interaction	2	0.000593	3.63	0.04
	Residuals	32	0.00261		
Tooth area / internal perimeter	Species	2	0.00386	62.4	<0.001
	Temperature	1	0.0000565	1.83	0.19
	Interaction	2	0.000145	2.34	0.11
	Residuals	32	0.000990		
Tooth area / blade area	Species	2	0.00364	21.8	<0.001
	Temperature	1	0.000399	4.78	0.04
	Interaction	2	0.000533	3.19	0.05
	Residuals	32	0.00267		
Leaf dissection					
Circularity	Species	2	0.172	55.4	<0.001
	Temperature	1	0.00115	0.740	0.40
	Interaction	2	0.00329	1.06	0.36
	Residuals	32	0.0497		
Perimeter ratio	Species	2	1.71	172	<0.001
	Temperature	1	0.00784	1.58	0.22
	Interaction	2	0.0106	1.06	0.36
	Residuals	32	0.159		
Feret diameter ratio	Species	2	0.192	147	<0.001
	Temperature	1	0.00389	5.95	0.02
	Interaction	2	0.0131	10.1	<0.001
	Residuals	32	0.0209		
Fractal dimension	Species	2	0.0307	18.6	<0.001
	Temperature	1	0.000127	0.153	0.70
	Interaction	2	0.00311	1.88	0.17
	Residuals	32	0.0264		

See Table 1 in main text for definitions of leaf shape variables. df = degrees of freedom; SS = sum of squares; F = F statistic; *P* = probability that there is no difference in leaf shape due to the tested factor. *P*-values in bold are <0.05.