

Table 1. Results of ANCOVA performed on mixed models with interactive fixed effects [temperature (three treatments) and plant–plant interaction (three treatments)], showing effects on functional and performance traits at the ramet and clone levels ($n = 90$). The models included the clone genotype as a random factor. The interaction term between the explanatory variables was deleted when not significant, and the models were fitted again with an additive effect. Bold indicates significance. Post-hoc test results are mentioned in Figure 3.

	Plant traits	Temperature (df = 2)	Plant-plant interactions (df = 2)	Temperature × plant-plant interactions (df = 4)
Functional traits	SLA	6.46*	47.81***	14.79**
	LDMC	7.22*	48.50***	35.67***
	LCC	0.90 ^{ns}	14.04***	x
	Leaf C:N	13.84***	51.80***	18.45**
	Height	3.99 ^{ns}	9.63**	x
Ramet performance trait	Ramet dry mass	7.33*	30.59***	x
Clone performance trait	Number of ramets	122.21***	219.96***	60.52***
	Clone dry mass	38.63**	140.21***	66.10*

* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$; ns, not significant; x, the predictor did not influence the response variable and was removed from the model; df, degree of freedom; SLA, Specific Leaf Area; LDMC, Leaf Dry Matter Content; LCC, Leaf Carbon Content. Height, ramet dry mass, and clone dry mass were log transformed.

Table 2. Trait responses to the decay rate (k) \times temperature. ANCOVA was performed on the most probable mixed-effects models, determined based on the AIC, and the interactive effects of temperature and k on trait values were examined ($n = 135$). The clone genotype was included in the models as a random factor. Significant effects are in bold. Results of pairwise comparison among temperatures are provided for trait values affected significantly by temperature (Dunn's Test of multiple comparisons with Bonferroni correction).

		k (df = 1)	Temperature (df = 2)	$k \times$ Temperature (df = 2)	Pairwise comparisons among temperatures	Slopes/intercepts
Functional traits	SLA	0.47 ^{ns}	5.46 ^{ns}	1.48 ^{ns}		
	LDMC	3.89*	14.13***	0.24 ^{ns}	13/23 °C > 18 °C	At 13 °C: 84.81/61.19 At 18 °C: 84.81/49.45 At 23 °C: 84.81/59.93
	LCC	x	x	x		
	Leaf C:N	6.91**	x	x		At any temperature: 7.62/9.50
	Height	x	x	x		
Ramet performance trait	Ramet dry mass	0.49 ^{ns}	3.79 ^{ns}	4.35 ^{ns}		
Clone performance traits	Number of ramets	0.35 ^{ns}	102.24***	2.13 ^{ns}	23 °C > 18 °C > 13 °C	
	Clone dry mass	0.27 ^{ns}	22.28*	2.96 ^{ns}	23 °C > 13/18 °C	

* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$; ns, not significant; x, the predictor did not influence the response variable and was removed during model selection; df, degree of freedom; SLA, Specific Leaf Area; LDMC, Leaf Dry Matter Content; LCC, Leaf Carbon Content. Data on all traits except the number of ramets were normalized by log transformation.