

Supplementary material

Table S1. Pearson pairwise correlations between measured leaf litter traits. Significant p-values are in bold.

Variable 1	Variable 2	t	df	p-value	r
C:N	C:P	1.57	3	0.215	0.67
C:N	Toughness	2.26	3	0.109	0.79
C:P	Toughness	5.52	3	0.011	0.95

Table S2. ANOVA table for the linear models for the response variables including incubation time (Day) and its interaction with Quality as sources of variation. Significant p-values are in bold.

Source of variation	DF	Growth rate		Mass body condition		Lipid body condition		RNA:BM		Consumption	
		<i>F-Value</i>	<i>P-value</i>	<i>F-value</i>	<i>P-value</i>	<i>F-value</i>	<i>P-value</i>	<i>F-value</i>	<i>P-value</i>	<i>F-value</i>	<i>P-value</i>
Quality	1	2.07	0.015	1.80	0.181	0.71	0.399	0.07	0.988	139.94	<0.001
Day	4	4.07	0.009	3.65	0.006	1.35	0.253	1.31	0.265	8.62	<0.001
Quality xDay	4	5.63	0.641	6.48	0.0001	0.93	0.444	1.19	0.312	5.13	<0.001

Table S3: Percentage of individuals that died at each combination of leaf litter and incubation duration.

	Day 2	Day 4	Day 8	Day 16	Day 32
<i>Corylus</i>	0.0	15.0	20.0	15.0	35.0
<i>Alnus</i>	12.5	5.0	17.5	10.0	17.5
<i>Fraxinus</i>	15.0	10.0	25.0	15.0	10.0
<i>Fagus</i>	10.0	0.0	5.0	20.0	5.0
<i>Quercus</i>	5.0	10.0	15.0	25.0	40.0