

**Supplementary Tab. S1.** Callose content. Comparison of the callose content in two *Zygnema* and *Klebsormidium* species (control and desiccated for 30 min and 210 min) determined by colorimetric quantification (n=4 ± SD). Callose content is expressed in µg pachyman-equivalents per mg algal dry mass. Significances between groups are indicated by small letters. Data were analysed by one-way ANOVA followed by Tukey's post hoc test (p<0.001).

	<b>control</b>	<b>desiccated 30 min</b>	<b>desiccated 210 min</b>
<i>Zygnema S</i>	1.66 ± 0.36a	1.59 ± 0.20a	1.55 ± 0.39a
<i>Zygnema E-A</i>	1.33 ± 0.29a	1.24 ± 0.34a	1.34 ± 0.61a
<i>Klebsormidium crenulatum</i>	3.00 ± 0.36b	6.30 ± 0.60c	9.22 ± 1.99ef
<i>Klebsormidium nitens</i>	4.90 ± 0.22d	8.33 ± 0.71e	10.92 ± 1.28f