

Supplementary Materials:

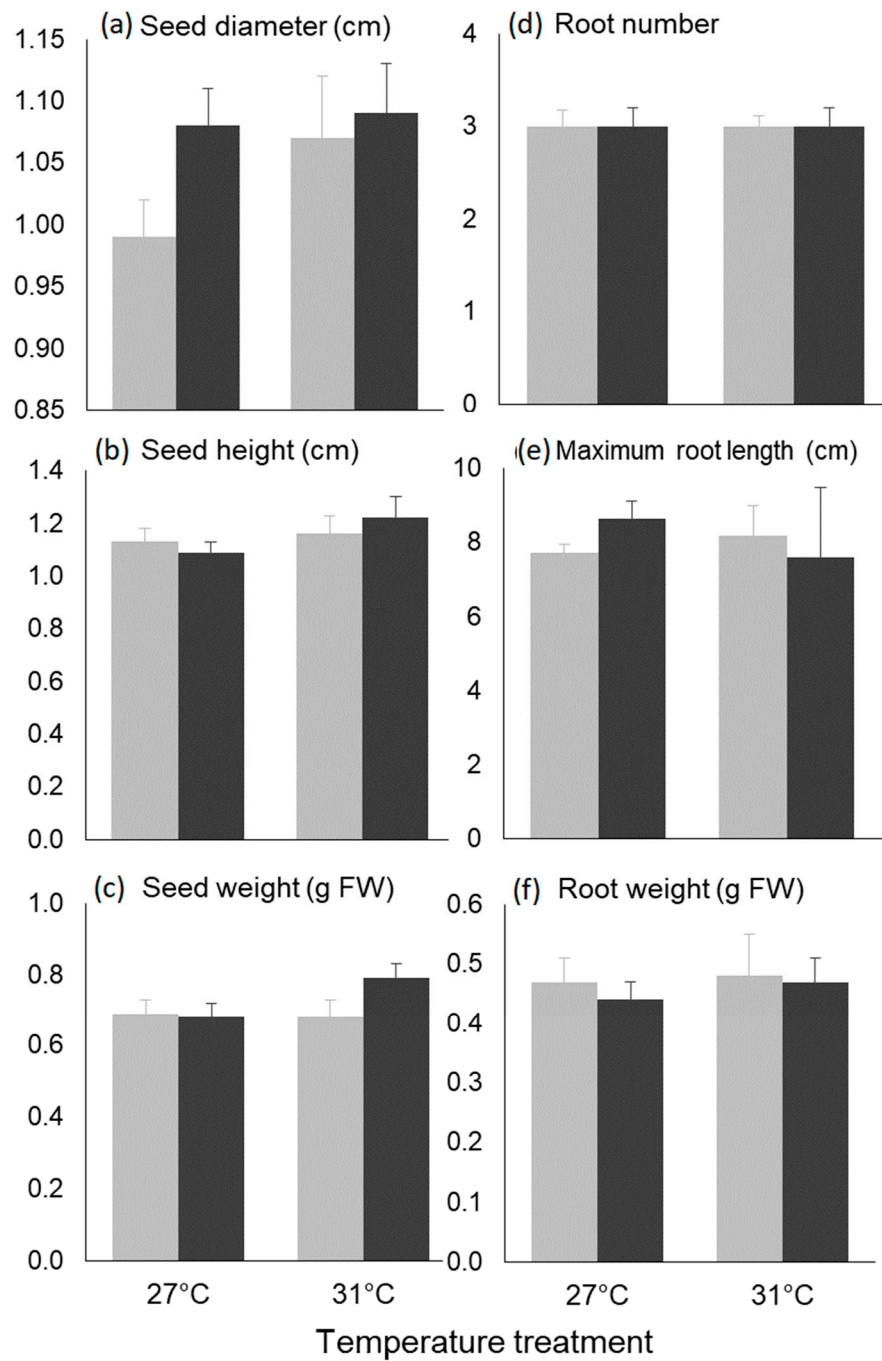


Figure S1. The effect of increasing temperature and CO₂ enrichment on (a) seed diameter, (b) seed height, (c) seed weight, (d) root number, (e) maximum root length, and (f) root weight of *Enhalus acoroides* seedlings at the end of the experimental period. Values are mean±SE (n=6).

Table S1. Results of analysis of variance (two-way ANOVA test) of the effects of temperature and CO₂ and their interaction on the morphological seed and root traits (Figure S1). No statistical differences were detected (*P-value*<0.05).

Dependent variable	Factor	TSS	<i>F-value</i>	<i>P-value</i>
Seed diameter	Temperature	0.010	1.257	0.276
	CO ₂	0.017	2.035	0.169
	Interaction	0.008	0.955	0.340
Seed height	Temperature	0.042	2.298	0.145
	CO ₂	0.001	0.041	0.841
	Interaction	0.015	0.833	0.372
Seed weight	Temperature	0.013	1.369	0.256
	CO ₂	0.013	1.379	0.254
	Interaction	0.022	2.228	0.151
Root number	Temperature	0.167	0.667	0.424
	CO ₂	0.667	2.667	0.118
	Interaction	0.000	0.000	1.000
Maximum root length	Temperature	0.491	0.312	0.583
	CO ₂	0.172	0.109	0.744
	Interaction	3.450	2.192	0.154
Root weight	Temperature	0.001	0.103	0.751
	CO ₂	0.002	0.186	0.671
	Interaction	0.001	0.062	0.806