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Supplementary Material

Environmental factors constraining adventitious root formation during flooding of *Solanum dulcamara*

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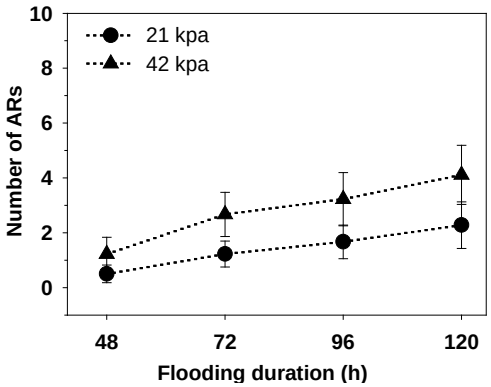

Fig. S1. Time course of number of adventitious roots (ARs) formed at two different oxygen concentrations in the floodwater during 7 d of complete submergence. Data are means (± 1 s.e., $n = 9$).

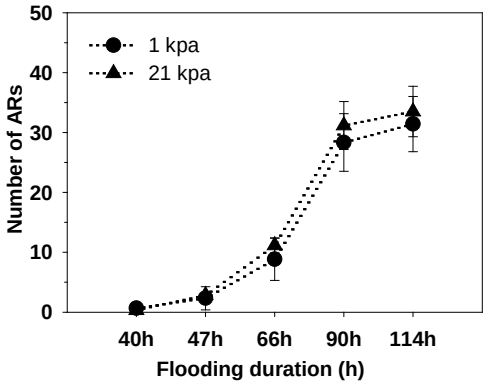

Fig. S2. Time course of number of adventitious roots formed at two different oxygen concentrations in the floodwater during 7 d of partial flooding. Data are means (± 1 s.e., *n* = 12).

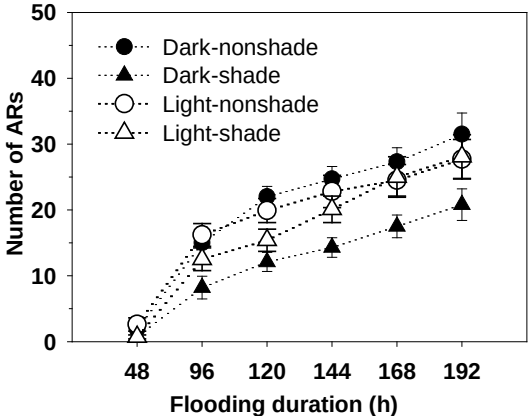

Fig. S3. Time course of number of adventitious roots formed in four different carbohydrate manipulation treatments (dark-nonshade, dark-shade, light-nonshade and light-shade) during 8 d of partial flooding. Data are means (± 1 s.e., *n* = 10).

Table S1. Results of repeated measures ANOVA testing the effects of pre-treatment, shade treatment and time on the number of adventitious roots during 8 d of partial flooding

	F values	
	d.f.	AR number
Pre-treatment (Pre)	1	0.93^{ns}
Shade (S)	1	$\mathbf{9.10^{**}}$
Time (T)	5	$\mathbf{186.61^{***}}$
Pre × S	1	$\mathbf{3.36^{\$}}$
Pre × T	5	0.53^{ns}
S × T	5	$\mathbf{2.23^{\$}}$
Pre × S × T	5	$\mathbf{2.89^{*}}$