



Figure S1. Relative water content (RWC) of maritime pine needles sampled in plants derived from somatic embryos matured at different temperatures (18, 23 or 28°C) that were employed in a heat stress experiment for 10 days at 45°C. Plants were sampled at the beginning (t0) and at the end (t10) of the stress treatment. Data are mean \pm SD of 6 replicates.

Supplementary data

Table S1. Cytokinins determined in this study.	
Abbr.	Cytokinin
De novo biosynthesis of iP-, tZ- and DHZ-type CKs	
iP	isopentenyladenine
iPR	isopentenyladenosine
iPRMP	isopentenyladenosine-5'monophosphate
iP7G	isopentenyladenine-7-glucoside
iP9G	isopentenyladenine-9-glucoside
tZ	<i>trans</i> -zeatin
tZR	<i>trans</i> -zeatin riboside
tZRMP	<i>trans</i> -zeatin riboside-5'monophosphate
tZOG	<i>trans</i> -zeatin-O-glucoside
tZROG	<i>trans</i> -zeatin riboside-O-glucoside
tZ7G	<i>trans</i> -zeatin-7-glucoside*
tZ9G	<i>trans</i> -zeatin-9-glucoside
DZ	dihydrozeatin
DZR	dihydrozeatin riboside
DZRMP	dihydrozeatin riboside-5'monophosphate

DZOG	dihydrozeatin-O-glucoside
DZROG	dihydrozeatin riboside-O-glucoside
DZ7G	dihydrozeatin-7-glucoside*
DZ9G	dihydrozeatin-9-glucoside
tRNA degradation pathway (main source of cZ-types)	
<i>cZ</i>	<i>cis</i> -zeatin
<i>cZR</i>	<i>cis</i> -zeatin riboside
<i>cZRMP</i>	<i>cis</i> -zeatin riboside-5'monophosphate*
<i>cZOG</i>	<i>cis</i> -zeatin-O-glucoside
<i>cZROG</i>	<i>cis</i> -zeatin riboside-O-glucoside
<i>cZ7G</i>	<i>cis</i> -zeatin-7-glucoside*
<i>cZ9G</i>	<i>cis</i> -zeatin-9-glucoside

*Not detected in the analysed samples