



**Supplementary Fig. S1** Effect of cold and heat stress on physiological parameters of *P. ternata*.

(a) Photosynthetic pigment content (b) Photosynthesis-related parameters (c) Antioxidant enzyme activities and contents of proline, glutathione (GSH) and malondialdehyde (MDA). All values are presented as the mean±standard deviation (SD) from three independent replicates (n=3). Significant differences were analyzed by one-way analysis of variance (one-way ANOVA) followed by Duncan's multiple range test. Different symbols indicate the significance levels of differences compared with the control group: \* represents  $P \leq 0.05$ , \*\* represents  $P \leq 0.01$ .