



**Figure S4.** Transcription and protein levels of *RPS1* in response to heat stress.

(A) Western blot analysis showing *RPS1* protein levels in wild type leaves in response to heat treatment (38°C) in dark for the indicated time with an *RPS1* polyclonal antibody. Equal protein loading was confirmed with antiserum against  $\alpha$ -Tubulin. (B) qRT-PCR analysis of mRNA levels of *RPS1* in detached, fully-extended WT leaves challenged with heat treatment (38°C) for the indicated time in dark. *Actin2* was used as the internal standard. Error bars indicate standard deviations of three technical replicates, and the results were consistent in three biological replicates.