



### Supplementary Figure S1. Functional analysis of selected NACs in thermomemory.

**(a)** Schematic representation of the heat stress (HS) regime applied to assess HS thermomemory. Thermomemory phenotype of plants overexpressing genes, or their respective mutants, and quantification of fresh mass for **(b)** *SHY1* (*ANAC047*), **(c)** *ANAC013*. Photos were taken 14 days after heat stress. Seedling fresh mass in HS is compared to control plants (no heat stress). One representative replicate of at least three independent biological replicates is shown. Error bars represent the standard deviation, which was calculated from three biological replicates, where each replicate represents the average mass of 18 seedlings. No significant differences were detected.