



Figure S2 Overexpressing *lnc000283* lines are more tolerant to heat stress. a Phenotype of WT and OE *lnc000283* plants before and after subjecting to heat stress. Heat treatment was carried out on 25-day-old Arabidopsis plants. b The percentage of different colors of leaves after subjecting to heat treatment and recovered for 5 days. c The fresh weight versus dry weight ratio of Arabidopsis leaves before and after undergoing 38°C heat treatment. d-f MDA content, POD activity, and proline content in Arabidopsis leaves under different times of heat stress. The asterisks above the bars indicate statistical significance using Student's *t*-test (*, $P < 0.05$; **, $P < 0.01$; ***, $P < 0.001$).