

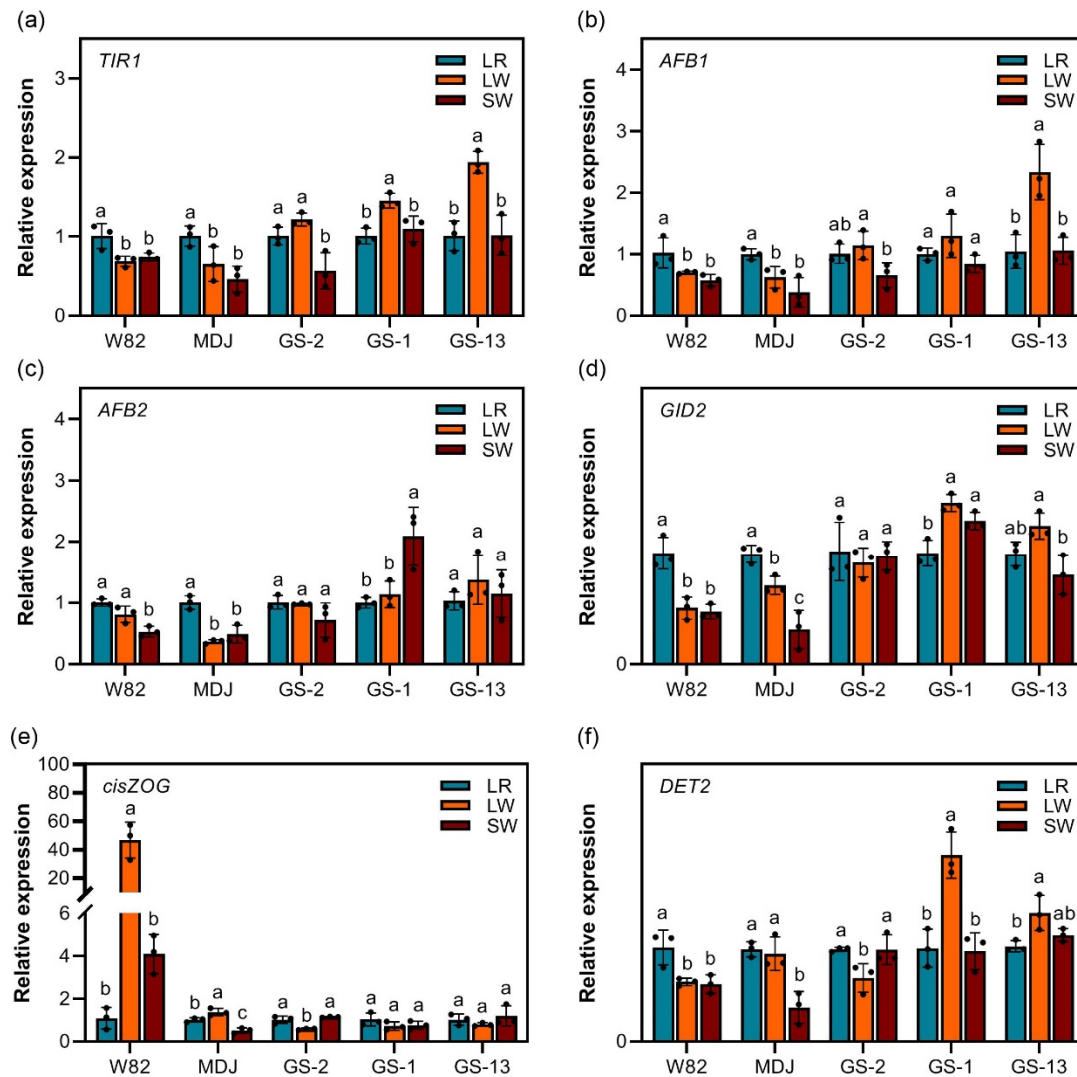


Fig. S9 Relative expression analysis of phytohormone-related genes in different soybean varieties. The relative expression levels of TIR1 (a), AFB1 (b), AFB2 (c), GID2 (d), cisZOG (e), and DET2 (f) in the shoot apex of five soybean germplasms (W82, MDJ, GS-2, GS-1, GS-13) under various light conditions were determined by qRT-PCR, with GmActin serving as the endogenous reference gene. LR indicates a long-day light condition with white:red = 6:1. LW indicates long day white light condition. SW indicates short day white light condition. Data are expressed as mean $\pm$ SD. n=3. Different letters above the bars represent significant differences at $P < 0.05$ (Duncan's test).