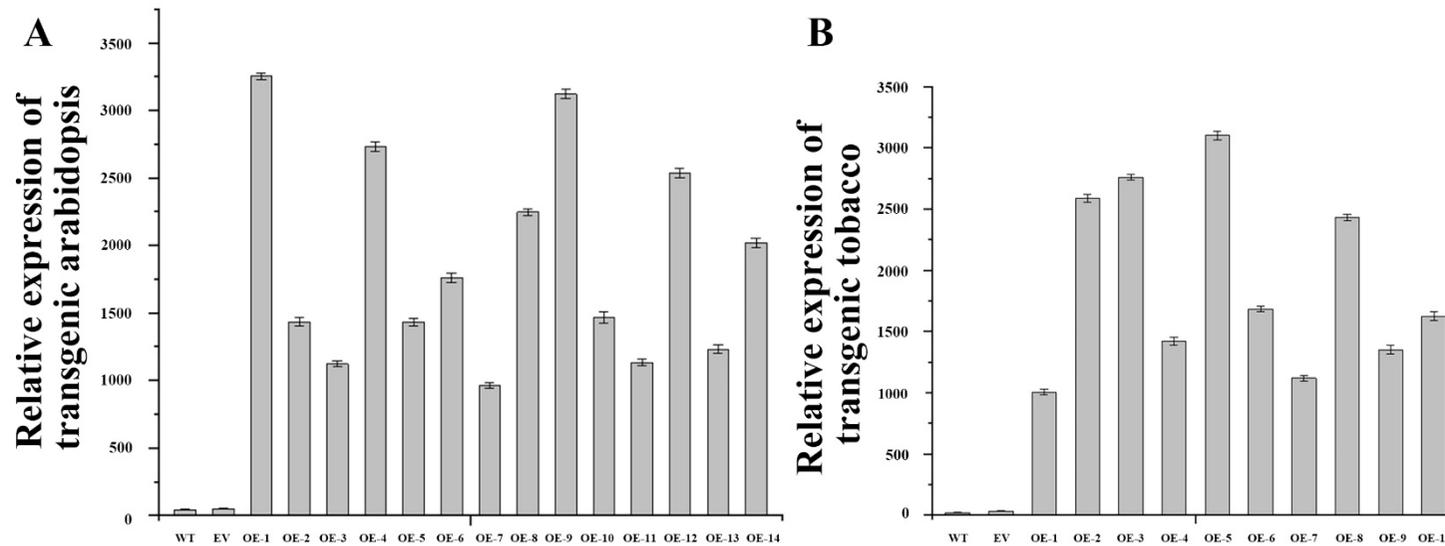


Supplemental Figures

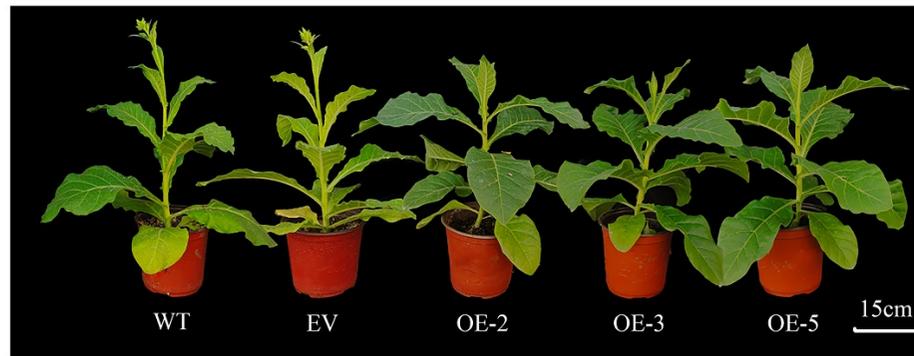
Supplemental Figure S1.



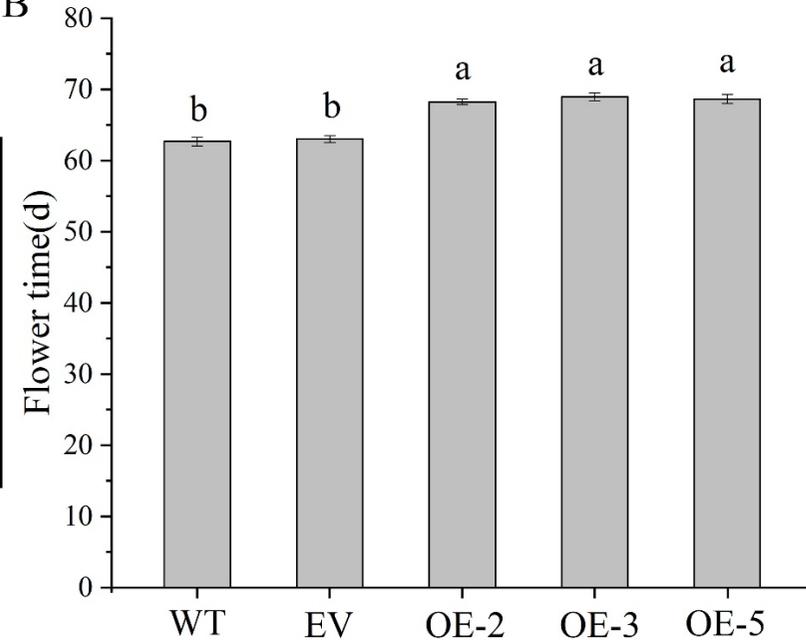
Supplemental Figure 1. Gene expression profile of *IIWRKY22* transgenic T3 generation plants. **A** Relative expression of *IIWRKY22* in fourteen T3 transgenic *A. thaliana* lines. **B** Relative expression of *IIWRKY22* in ten T3 transgenic *N. tabacum* lines.

Supplemental Figure S2.

A

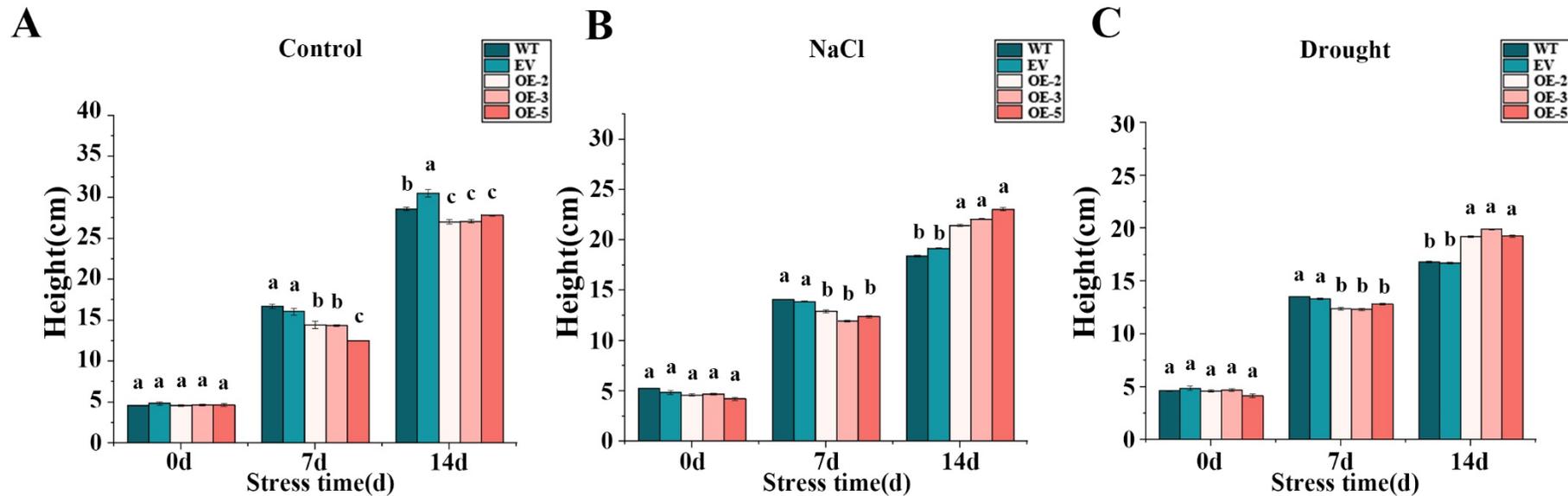


B



Supplemental Figure 2. Phenotypes of transgenic *N. tabacum* overexpressing *IIWRKY22*. **A** Phenotypic observation of transgenic *N. tabacum* overexpressing *IIWRKY22*. Scale bar was 15 cm. **B** Flowering time (opening of the first flower). Bar graph data are Mean \pm SD, marked with different lowercase letters to indicate significant differences ($p < 0.05$). All these experiments were performed in triplicate.

Supplemental Figure S3.



Supplemental Figure 3. Overall plant height under salt and drought stress at 0, 7 and 14 dpt. **A** Plant height observation of WT, EV, and OE lines of *N. tabacum* at 0, 7, and 14 days in the normal growth state. **B** Plant height observation of WT, EV, and OE lines of *N. tabacum* at 0, 7, and 14 days under NaCl stress at 300mM. **C** Plant height observation of WT, EV, and OE lines of *N. tabacum* at 0, 7, and 14 days under natural drought stress. Bar graph data are Mean \pm SD, marked with different lowercase letters to indicate

significant differences ($p < 0.05$). All these experiments were performed in triplicate.