

Figure S1. Expression pattern and sequence features of soybean *GmbZIP123* gene. **A**, Expression pattern of *GmbZIP123* in soybean various tissues analyzed by qRT-PCR. The relative expression level of *GmbZIP123* was normalized using *TUBULIN* as an internal control. **B**, Phylogenetic analysis of *GmbZIP123* and Arabidopsis group S bZIP TFs. **C**, The 5'UTR sequence of *GmbZIP123* gene. uORF was highlighted in bold. **D**, Protein sequence alignment of *GmbZIP123* and Arabidopsis group S1 bZIP transcription factors.

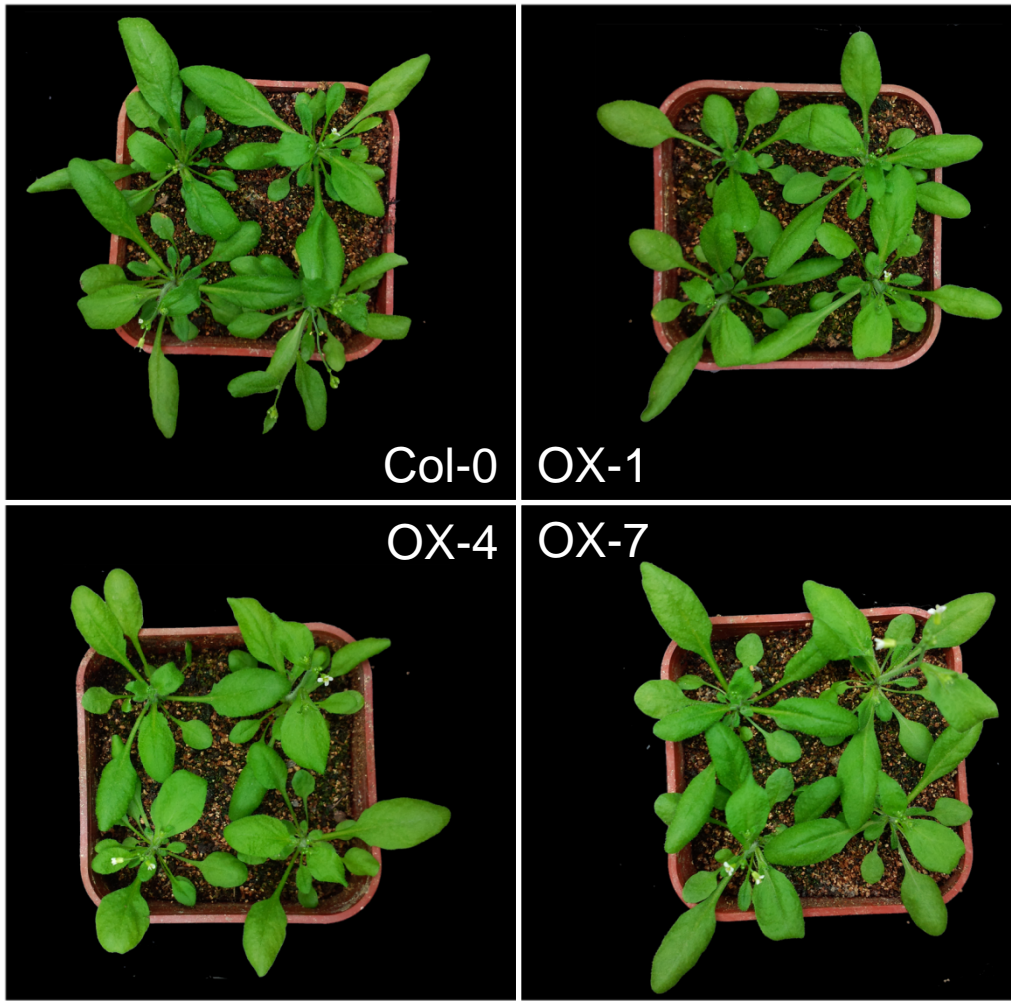


Figure S2. Phenotype of Col-0 and *GmbZIP123* transgenic plants (OX-1, 4, 7).