Description of Additional Supplementary Files

File Name: Supplementary Data 1
Description: All section images for Fig. 4b and all leaf images for Fig. 5b.
Source 1: All section images for Fig. 4b, WT
Source 2: All section images for Fig. 4b, WT(decapitated)
Source 3: All section images for Fig. 4b, anac071
Source 4: All section images for Fig. 4b, anac096
Source 5: All section images for Fig. 4b, anac071 096
Source 6: All section images for Fig. 4b, anac071 096 011
Source 7-8: All leaf images for Fig. 5b, anac071
Source 11-12: All leaf images for Fig. 5b, anac096
Source 13-14: All leaf images for Fig. 5b, anac011
Source 15-16: All leaf images for Fig. 5b, anac071 096
Source 17-18: All leaf images for Fig. 5b, anac071 096

File Name: Supplementary Data 2

Description: The source data used to generate graphs in main figures.

- Source 1: Fig.2b-d;Gene expression of ANAC071, ANAC096 and ANAC011 in flowering stems at 1–7 days after incision
- Source 2: Fig.2e-d;Gene expression levels of ANAC071, ANAC096, and ANAC011 in flowering stems at 3 DAI.
- Source 3: Fig.4b-c;Number of cell layer in secondary xylem and the ratio of cells with secondary cell wall.
- Source 4: Fig.5b;The percentage of ectopic xylem area in WT and anac mutants.
- Source 5: Fig.6a-c;Gene expression of ANAC under VISUAL assay.
- Source 6: Fig.6e-f;Gene expression of TDR/PXY and XCP1 under VISUAL assay.

File name: Supplementary Movie 1

Description: Time-lapse movie of incised flowering stem.

Movie of incised flowering stem for 7 days at a time-lapse of 30 minutes was captured using a camera (LUMIX, Panasonic) and edited using the free software AviUtl..