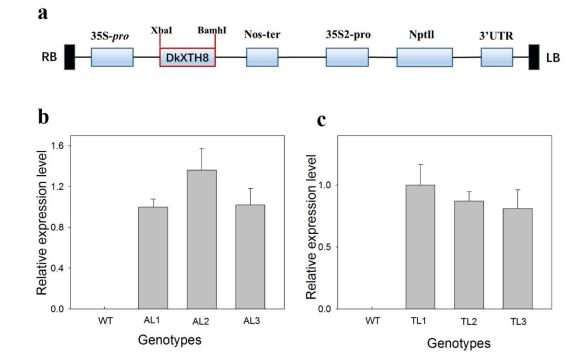
1	DkXTH8, a novel xyloglucan endotransglucosylase/hydrolase in persimmon, alters cell
2	wall structure and promotes leaf senescence and fruit postharvest softening
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15 Supplemental Figure S1. Molecular characterization of WT and
16 DkXTH8-overexpressing plants.

17 (a) Diagram of CaMV 35S promoter-DkXTH8 constructs in the pVBG2307 binary vector. The vector encoding bacterial neomycin phosphotransferase II (npt II), which is regulated by 18 19 CaMV 35S2 promoter (35S2-pro) and 3'-UTR, served as selectable marker for transformation. 20 DkXTH8 was regulated by CaMV 35S promoter (35S-pro) and 3'-terminator (nos-ter). LB 21 and RB indicate left and right T-DNA borders, respectively. (b) Expression levels of *DkXTH8* 22 in four-week-old Arabidopsis leaves of WT and three transgenic lines (AL1, AL2, AL3). (c) 23 Expression levels of *DkXTH8* in tomato fruits collected at the mature green period of WT and 24 three transgenic lines (TL1, TL2, TL3). Expression of DkXTH8 in AL1 and TL1 was used as 25 the control with a nominal value of 1, respectively. Vertical bars indicate standard errors of 26 three replicates.

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