



Fig. S2 The generated H₂O₂ contents of *JrPP2A* transgenic plants under osmotic stress same as Fig. 5 (A) and the expression patterns of *JrVIP1* under PEG₆₀₀₀ (B) as well as NaCl (C) stress. The significant differences among WT, *JrPP2A07*, *JrPP2A09* and *JrPP2A14* were marked with lowercase ($P < 0.05$) in A. * in B and C means the differences between the treatment time points and 0 h (control) was significant ($P < 0.05$). For the stresses, 20% (w/v) PEG₆₀₀₀ and 0.3 mol/L NaCl was independently watered to the 3-year-old ‘Xiangling’ walnut for 3 days, and the leaves were sampled at 0 (Control), 3, 12, 24, 48, 72 h.