



**Supplementary Fig. 1.** Isolation of *Pseudomonas syringae* pv. *syringae* (*Pss*) strains from the infected apple stems. The infected apple stems were brought to the laboratory and cut into cross sections at the infected region (A) and graft region (B). The cross sections were placed on the KB agar plates for a few seconds. The fluorescent colonies were detected 48 h after incubating at 28°C.