Fig. S4. FvCYP1, FvSCP1, FvSEL1 knockout strategies and Southern blot results

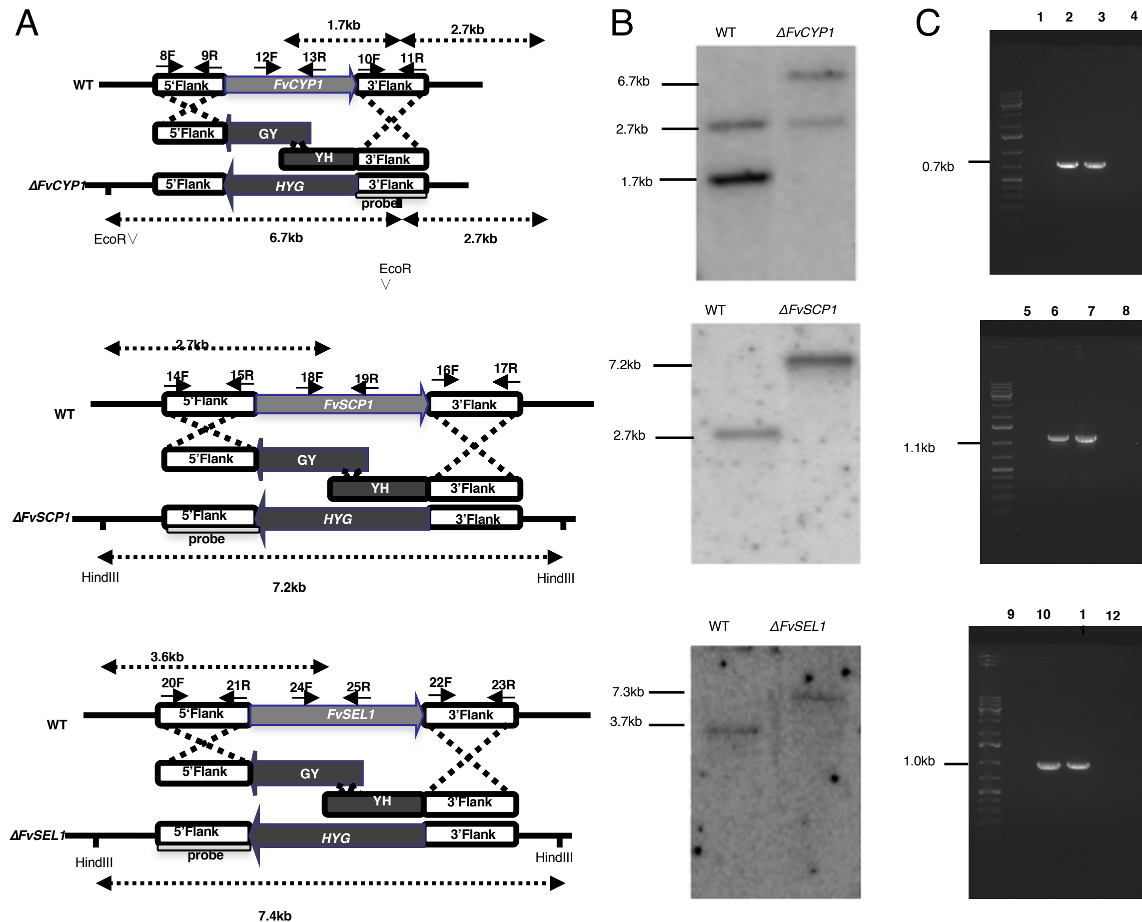

Fig. S4. (A) The targeted gene disruption was achieved by homologous recombination with following our standard split marker strategy. Disruption constructs were generated by single Joint-PCR, and Hygromycin phosphotransferase (HYG) was used as the selective marker. (B) The gene deletion was confirmed by Southern analysis. Anticipated band sizes before and after recombination are indicated on the left. (C) Complementation strains PCR screening was done by using the same set of primers to screen mutant strains: 1: ΔFvCYP1; 2, FvCYP1C; 3, WT positive control; 4, Blank control; 5: ΔFvSCP1; 6, FvSCP1C; 7, WT positive control; 8, Blank control; 9: ΔFvSEL1; 10, FvCSEL1C; 11, WT positive control; 12, Blank control. PCR screenings were performed at least three times with same results.