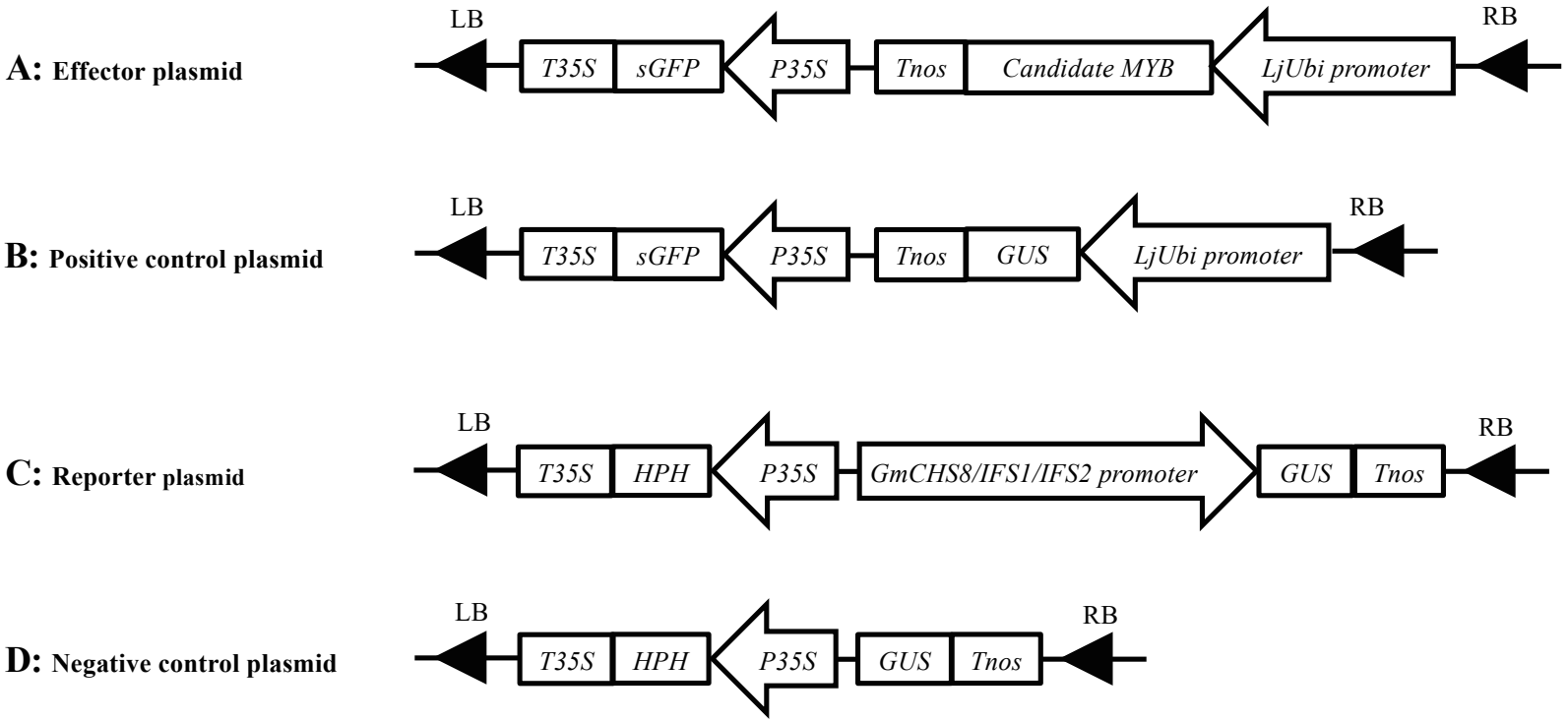
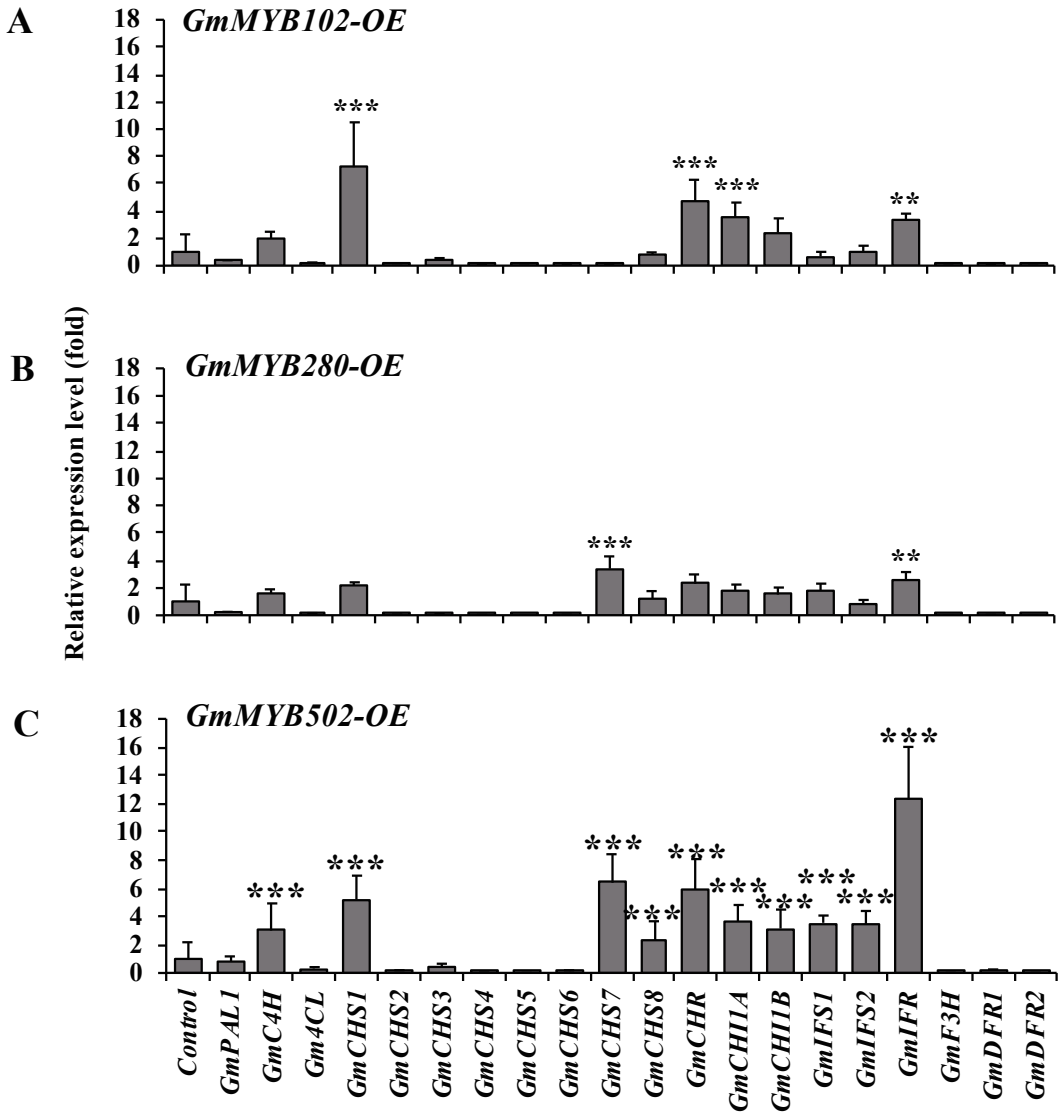
Supplementary Figure S1



Supplementary Figure S2



Supplementary Figure S1. Construction map of effector, reporter and control plasmids used in this study.

The cording region of *MYB* or *GUS* reporter gene was cloned into the downstream of *LjUbi* promoter on binary vector pUB-GW-GFP as an effector (A) or positive control (B) constructs, respectively. The promoter sequence of *GmCHS8, GmIFS1* or *GmIFS2* gene was cloned into the upstream of GUS coding region on binary vector pCAMBIA1391z and used as a reporter construct (C), respectively. The pCAMBIA1391z vector used as a negative control (D). RB: right border of the T-DNA, *Tnos*: nos terminator, *P35S*: 35S promoter, *sGFP*: super-folder green fluorescent protein (S65T), *T35S*: 35S terminator, *HPH*: hygromycin B phosphotransferase, LB: left border of the T-DNA.

Supplementary Figure S2. Comparison of the expression levels of isoflavone biosynthetic genes in GmMYB012, GmMYB280 and GmMYB502 -overexpressed soybean hairy root.

The data are presented as fold change (mean values of the overexpressed line/control) ± standard deviation of three independent hairy root lines.