

Figure S1. *GhWRKY33* delayed leaf senescence in transgenic *Arabidopsis* plants.

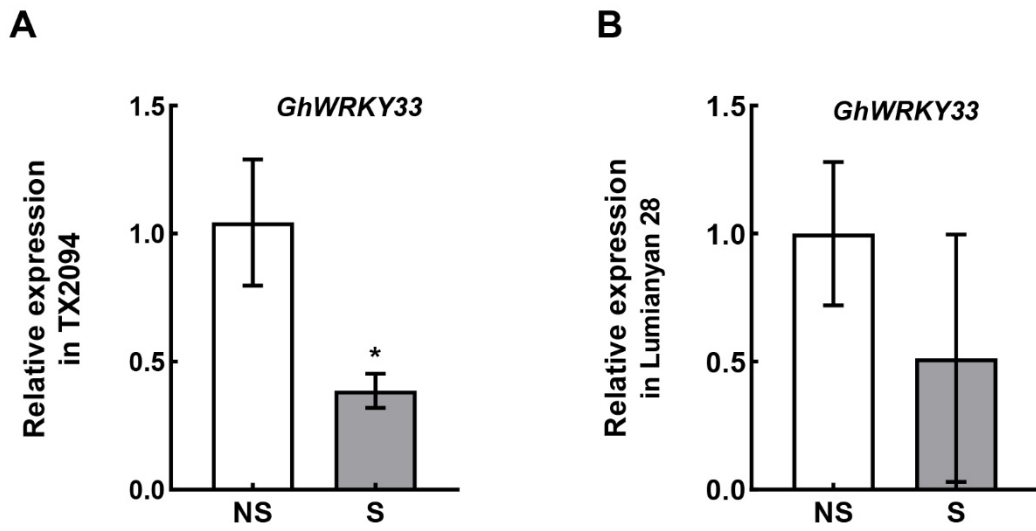


Figure S2. The expression level of *GhWRKY33* in leaves of different senescence stages of the cotton variety TX2094 and Lumianyan 28.

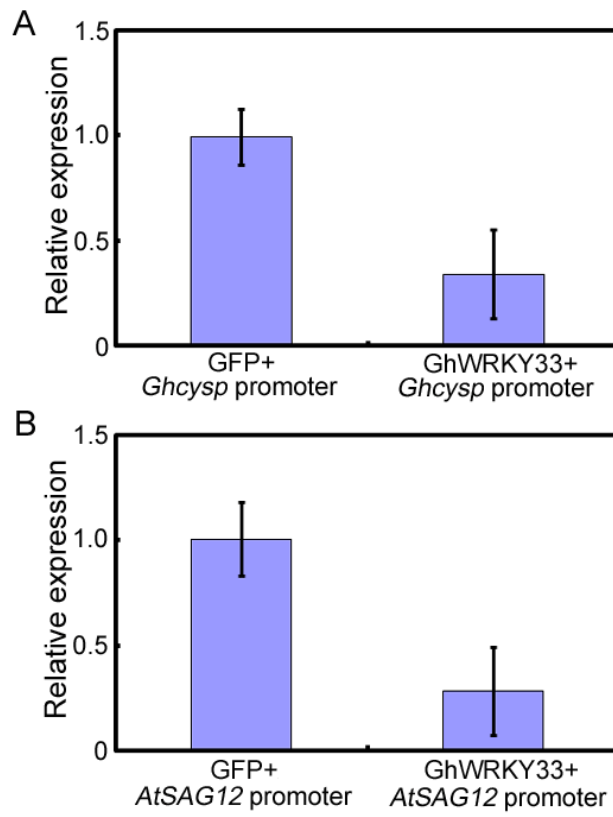


Figure S3. GhWRKY33 suppressed the expression of both *AtSAG12* and *Ghcysp*.

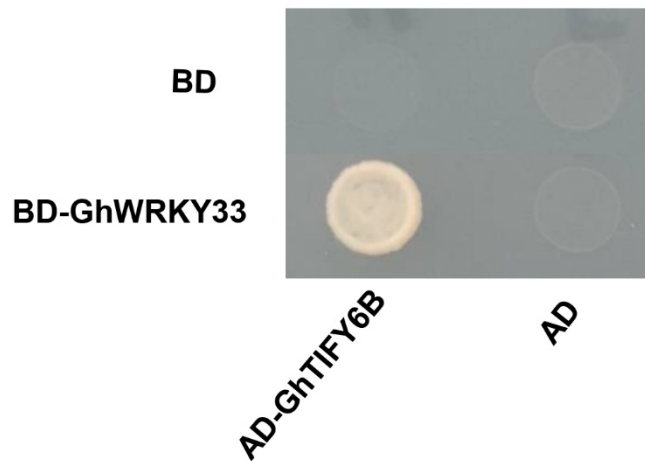


Figure S4. GhWRKY33 physically interacts with GhTIFY6B.

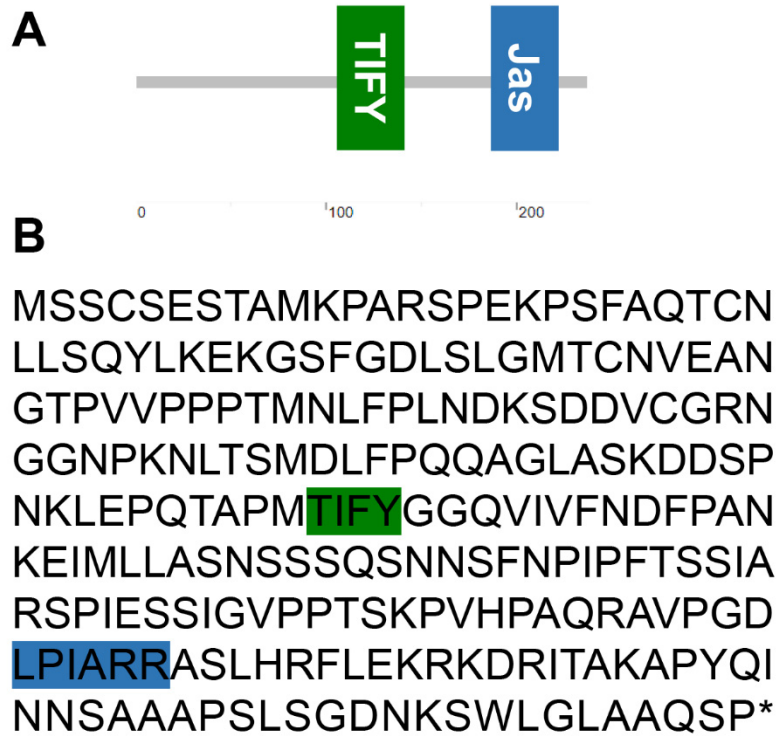


Figure S5. Analysis of conservative motif TIFY and Jas in GhTIFY10A.

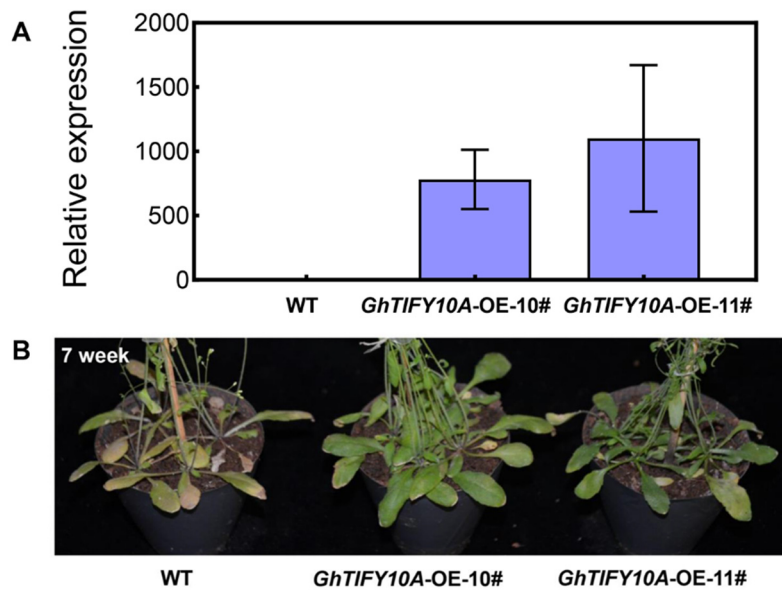


Figure S6. *GhTIFY10A* delayed leaf senescence in transgenic *Arabidopsis* plants.

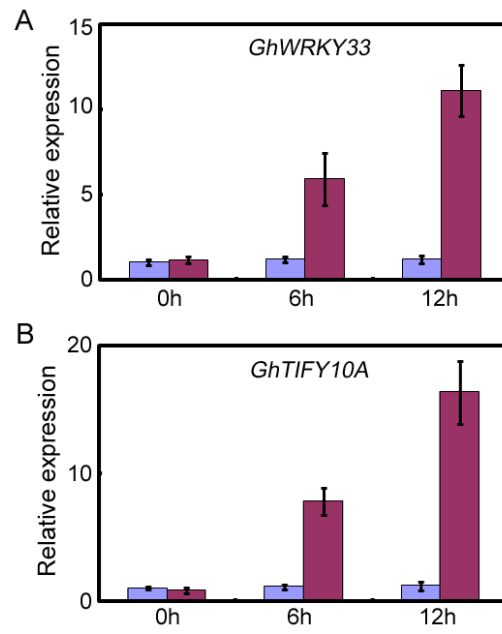


Figure S7. Both *GhWRKY33* and *GhTIFY10A* were induced by MeJA treatment.