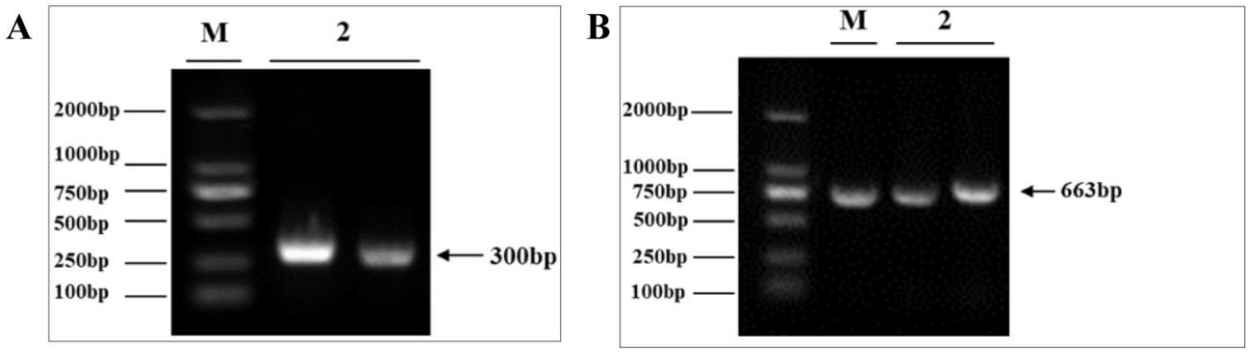


Figure S1 *E. coli* colony PCR results of transgenic plants.

A: 2. *E. coli* colony PCR results of TRV2-*SOS3-3*; B: 2. *E. coli* colony PCR results of pPBI121-*SOS3-3*.

Table S1. Primers used in the study.

Gene name	Gene ID	Forward primer	Reserve primer	Function
SOS3-3	Solyc12g055920.3.1	aaggttaccgaattctctagaCTCCTTGCACTCTTCAACAGTAGC	tgtcttcgggacatgcccgggGAATGTCTTATCAACAATTGCTTCG	Silent fragment cloning
SOS3-3	Solyc12g055920.3.1	gagaacacgggggactctagaATGCTTGCTTTAAAGGGCTGTT	ataagggactgaccacccgggCTCAAACACTAGTTGTGAATCTTGAGC	Gene cloning
SOS3-3	Solyc12g055920.3.1	tcttcactgttgatacatatgATGCTTGCTTTAAAGGGCTGTT	gcccttgctcaccatggatccCTCAAACACTAGTTGTGAATCTTGAGC	Subcellular localization
SOS3-3	Solyc12g055920.3.1	CGTTCCCTGACATCAAGACG	ACAGAACATACAATGCATCCAC	Identification of V*SOS3-3*
SOS3-3	Solyc12g055920.3.1	TCCCACTGAATCAAAGGC	ataagggactgaccacccgggCTCAAACACTAGTTGTGAATCTTGAGC	Identification of OE*SOS3-3*
SOS1	Solyc01g005020.3.1	TATGATAATTCGTGGGGCTACC	CCAAACCATAGCCAAAGTATCG	qRT-PCR analysis
SOS2	Solyc12g009570.3.1	TATTTCCCGCCAACCTGCTA	TTGTAATCGCGTGTGTGGAC	qRT-PCR analysis
LKT1	Solyc12g006850	ACTTGCCTCTCACCCTTTG	CCACACAGTTCTCAATGCC	qRT-PCR analysis
APX1	Solyc06g005160.2	TGCTGGTACCTACGATGTGTG	CTGGTGGCTCTGGCTTGTC	qRT-PCR analysis
ABF4	Solyc11g044560.1	CTTTGGGCAGCGGGAATCTA	TCCAGGGTTTTGGGTTGCTT	qRT-PCR analysis