

1 **Supplementary Table S1.** DNA primers used in this study.

Target gene name	Primer name	Sequence (5' to 3')
Gene cloning	ShROP7-C-F	ATGACTACTGCTAGATTCATCAAATGTG
	ShROP7-C-R	TCATAGAATTGCACATAACGTCCTC
qPCR analysis	ShROP7-Q-F	CCAACACTCACCCTACACCTACTT
	ShROP7-Q-R	CATTGCTTACACCACCCTTTTACT
	ShGAPDA-Q-F	CTGGTGCTGACTTCGTTGTTG
	ShGAPDA-Q-R	GCTCTGGCTTGTATTCAATTCTCG
	ShPR1-F	TCACAATGCAGCTCGTAGACAAGTT
	ShPR1-R	TTCACCGTAAGGTCCACCAGAGT
	ShPR5-F	CCTACACCGTTTGGGCAGCAT
	ShPR5-R	GCATGAACCTCTACCAGCACCATTA
	ShPDS1.2-F	TGAATGGCACAGCAGTTGGTTCT
	ShPDS1.2-R	TGTTCCATAATAGCAGCAGCCTCAA
VIGS	ShROP7-V-F	agaaggcctccatgggatccATGTGGTGGTGGATG GTAGCA
	ShROP7-V-R	cgtgagctcgggtaccggatccAGGAGTAGCCCCTG GATGATCA
	ShPDS-V-F	gtaaggttaccgaattctctagaCAAGCAAGCCAGGA GAAT
	ShPDS-V-R	tcgggacatgcccgggcctcgagGCAAGTGTGATGT CCATAGTAT
	ShROP7-S-F	GCTCCAAGACTCAGCAGAATG
	ShROP7-S-R	TTTCTTCATCTTAGGGGGTCTG
Overexpression in tobacco	ShROP7-O-F	agcatcgattcccgggtcgacATGACTACTGCTAGA TTCATCAAATGTG
	ShROP7-O-R	aaccgttcacggtcggtcgacTCATAGAATTGCACA TAACGTCCTC
Y2H	ShROP7-B-F	aggcgaattcccgggatccATGACTACTGCTAGA TTCATCAAATGTG
	ShROP7-B-R	ccgtgcaggtcgacggatccTCATAGAATTGCACA TAACGTCCTC
BIFC	ShROP7-cY-F	tggcgcgccactagtggatccATGACTACTGCTAGA TTCATCAAATGTG
	ShROP7-cY-R	gacagtactatcgatggatccTAGAATTGCACATAA CGTCCTC
	ShSOBIR1-nY-F	cccaggcctactagtggatccATGACCTTCACAGCC TCATATATACAC
	ShSOBIR1-nY-F	accctcgaggtcgacggatccTTAATGCTTGATCTG CATCAACATG

2 Note: The primer sequence is composed of two parts. The lowercase letters represent the
3 sequences of corresponding vector homologous arm and restriction enzyme site, and the capital
4 letters indicate the gene-specific nucleotide sequences.