

Supplementary Table S1 Primers used in this study.

Primer description	F-primer	R-primer
PCR primers of V- <i>SlPP2C28</i> vector	AGAAGGCCTCCATGGGGATCCTGTCTTTTGGCG AGACTAGAACT	GGGACATGCCCGGGCCTCGAGCGTTTCGGTTT CTTTATTCTCTG
First nest PCR primers of <i>SlPP2C28</i> in AC-cDNA	CGGTAGTTTTAGCGATTGATTG	CACGAGCTCCATCACAAACAATAGCGAATG
Second nest PCR primers of <i>SlPP2C28</i> in AC-cDNA	GCTCTAGAAGAAGAGTGAGTGTA	CACGAGCTCCATCACAAACAATAGCGAATG
Detection of the target gene <i>SlPP2C28</i> in the <i>Escherichia coli</i> vector	CACAGTTCGGATAATGTTAGCG	CGTTCGATGACGAAAATGGAAG
Detection of the target gene <i>SlPP2C28</i> in the <i>Agrobacterium tumefaciens</i> vector	CACAGTTCGGATAATGTTAGCG	CGTTCGATGACGAAAATGGAAG
Real-Time PCR primers of <i>SlPP2C28</i> in tobacco	CACAGTTCGGATAATGTTAGCG	ATGTCCAGAACACCAACTTAGT
Real-Time PCR primers of <i>NbSOD</i>	CTATAGTCGGTGCGCCTGAATG	GGACCATCATCATCTTGGGATAG
Real-Time PCR primers of <i>NbPOD</i>	CCCTTTGAAACCCTTGCTGTAATG	GCACATCTTGCTCTTCCAAATG
Real-Time PCR primers of <i>NbPAL</i>	GCCTTCTAATTTAACCGGAGGACG	GAATAGGAGCTCAGAGCAATAGG
Real-Time PCR primers of <i>NbPR1a</i>	GGACACTATACTCAGGTGGTTTG	CTGGAGGATCATAGTTGCAAGAG
Real-Time PCR primers of <i>NbPR2</i>	GGAAATGAAGTCTCTCCACAAAT	TTCGCTAAGAGCCCTGAATATG
Real-Time PCR primers of <i>NbPR4</i>	AGTGCTTTCTGCGCTACTTGGGAT	CAAGCATCTACCACAGGAATCT
Real-Time PCR primers of <i>NbPR10</i>	CTCATGACCACCAATGGACTAC	TGAGAAGGTGACTCTCTACATCT
Real-Time PCR primers of actin gene <i>βactin</i> in tobacco	GCACCACCAGAGAGGAAATATAG	GAAGGACCTGATTTCGTCATACTC
Real-Time PCR primers of <i>SlPP2C28</i> in tomato	CACAGTTCGGATAATGTTAGCG	ATGTCCAGAACACCAACTTAGT
Real-Time PCR primers of <i>SlSOD</i> in tomato	ACTATTACCGACAAGCAGATTCC	CCTCCCTTTCCAAGATCATCAG
Real-Time PCR primers of <i>SlPOD</i> in tomato	GTGTCAGAAGCCAATGGTGATAT	GGACCAGGTCATTTCAGATCAAG
Real-Time PCR primers of <i>SlPAL</i> in tomato	AGATTGGCCCTTGCATCTATTGG	CAGCTCCCTTGAGTCCATAATC

Real-Time PCR primers of <i>SlPR5</i> in tomato	TCTCGAGAGAGGTCAGAGTTG	TGCAATCCAGGACTCCACCAC
Real-Time PCR primers of <i>SlPR10</i> in tomato	GCTGCTGGAGATGGAGGTTGTG	GAGGTACGCTTCGATGGCCTTG
Real-Time PCR primers of <i>SlPR-NP24</i> in tomato	CACAAGACGATCCTACAAGCAC	CATCAGTACTTGCAGGCATCTC
Real-Time PCR primers of actin gene <i>SlActin7</i> in tomato	GGTCGGAATGGGACAGAAGGATG	CCTCAGTCAGGAGAACAGGGTG
