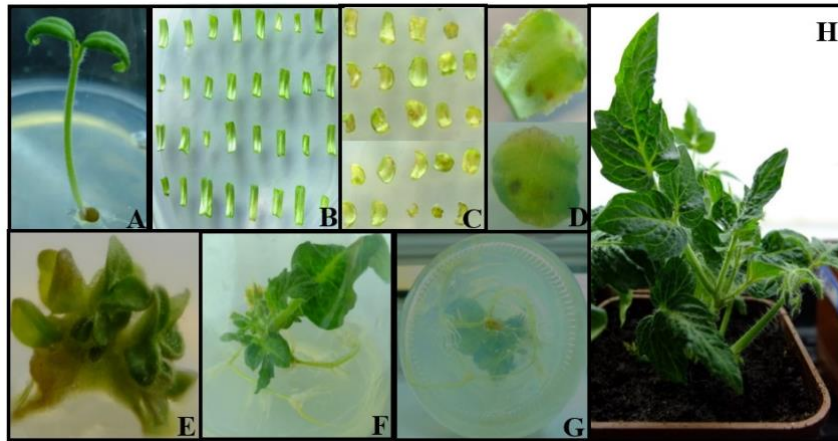


## Supplementary Materials



**Supplementary Figure 1.** The process for forming *VqSTS36* transgenic tomato. (A) 10-days WT tomato seedlings. (B) Cotyledons were cut for preculturing. (C) Cotyledons were transferred and grown on MS medium added with Kana. (D) Callus growth on selection medium. (E) The generation of resistant shoots. (F–G) Resistant shoots were transferred on medium for rooting, and resistant plant rooting. (H) Plants that grow well were transplanted into the soil.

**Table S1.** Primers used for RT-PCR.

Genes	Forwards primers (5'-3')	Reverse primers (5'-3')
<i>AtPR1</i>	AACTACGCTGCGAACACGTG	TCACTTTGGCACATCCGAGTC
<i>AtNPR1</i>	CTTCCGTGACCTTGATCCTTTCT	CAGCGATCTTGCCATTAGGATC
<i>AtPDF1.2</i>	GAAGCACAGAAGTTGTGCGA	TGTAACAACAACGGGAAAATAAACA
<i>AtRD22</i>	GGTTCGGAAGAAGCGGAGAT	AGTGGAAACAGCCCTGACGT
<i>AtRD29A</i>	AAGCAATGAGCATGAGCAAG	GGAAGACACGACAGGAAACAC
<i>AtRD29B</i>	ACGACGGAAACATCGGACT	CTTACCACCAGGAGCAA
<i>AtNCED3</i>	TTGATGCTCCAGATTGCTTC	GTCCACAGAAAAGCATAGCAG
<i>AtActin</i>	AGTGTCTGGATCGGTGGTTC	CCCCAGCTTTTTAAGCCTTT
<i>SlPR1a</i>	TCTTGTGAGGCCCAAAATTC	ATAGTCTGGCCTCTCGGACA
<i>SlICS1</i>	TCGCCGGCATTCAATTGGAAACA	GCACTCCCGTACTATAGCAAAC
<i>SlJAZ2</i>	GGAAACCTGATCAACCAGAG	GGGGTCTGTTTGTGGCTA
<i>SlERF1</i>	TGGAGTTAGAAAGAGGCCATGG	CCCTCATTGATAATGCGGCTTG
<i>SlActin</i>	GCAGGACGTGACCTCA	GGAAGGTGCTGAGGGAA