

**Supplemental Table S5.** Primer sequences used in this study.

Primer name	Primer sequence (5'-3')	Usage
<i>TaCPK34</i> -CDS	F:CCCCTGCATTCTTGACCT R:ATCGCTTGCTGTTCTGTT	Amplifying ORF fragment of <i>TaCPK34</i>
qPCR	F:GCCAAGGACCTCGTTAGAAAGA R:TCTTGAACATCTCCTTGAGCCC	qPCR of <i>TaCPK34</i>
<i>TaActin</i>	F:AAACGAAGGATAGCATGAGGAAGC R:AGCGGTGGAACAACCTGGTA	qPCR of <i>TaActin</i>
<i>TaCPK34</i> -VIGS	F:CCTTAATTAACGCACCATCGTCGAGATCA R:TATGCGGCCGCCCGTAGTTCCGCTTCAGG	Construction of VIGS vector

Notes: *TaCPK34*-CDS, primers are used to amplify the coding sequence of the *TaCPK34* gene; qPCR, primer are used to measure the transcripts of the *TaCPK34* gene by using qPCR method; *TaCPK34*-VIGS, primers are used to amplify one fragment (219 bp) of the *TaCPK34* gene for construction of BSMV-VIGS-*TaCPK34* vector.