

Supplemental Table S2. Primers used for RT-qPCR analyses in this study

Primer name	Primer sequence (5'-3')	Usage
qZMAK1-F	ATGGAGCGACTGGCTAATCC	RT-qPCR analysis of <i>ZmAKINβ-1</i> gene
qZMAK1-R	CAGACCATGAATTCCAACAGCC	
qZMAK2-F	TGAAGGTGATGGAGCGACTG	RT-qPCR analysis of <i>ZmAKINβ-2</i> gene
qZMAK2-R	CCCTGACGATAGCCAATTATCC	
qZMAK-F	CATTGGCTATGTTGCGACCT	RT-qPCR analysis of <i>ZmAKINβ</i> genes simultaneously
qZMAK-R	AAAGGCGTATTGGCATCTTG	
qP2-F	CACAAAGAGAGCGAGAGTGACA	RT-qPCR analysis of RBSDV
qP2-R	TGTAGCAGGTTGAACTGGGTC	
qIvr1-F	GGCAACGACGACTTCTCTATGA	RT-qPCR analysis of <i>invertase1</i> gene
qIvr1-R	TGCTCCCTGCTCCCTCTTAT	
qSuS2-F	TCTATGAAGCGTTCGGTCTCA	RT-qPCR analysis of <i>sucrose synthase 2</i> gene
qSuS2-R	GCCATCAGATTAGCAGCCTG	
qSuS1-F	GGAGAACGAAATGCTGCTGA	RT-qPCR analysis of <i>sucrose synthase 1</i>
qSuS1-R	TCCACTTGCGAACGATTCC	
qSPS1-F	GCTTCAGGTTGTCCCTCTGC	RT-qPCR analysis of <i>sucrose phosphate synthase 1</i> gene
qSPS1-F	TCCTCACCAGTGCTTCCGAA	
qPhos-F	CCCAAGGATGCCAAGGAAA	RT-qPCR analysis of <i>Phosphoglucomutase</i> gene
qPhos-R	GCACGCTTTGACGAATGTG	
qSSIV-F	GCGAAATGGCTTCACCTTT	RT-qPCR analysis of <i>starch synthase IV</i> gene
qSSIV-R	TCTGCTGTTTATGCCGCTG	
qSSIIIb2-F	CAAGAGGGTAATGGAGCAAGA	RT-qPCR analysis of <i>starch synthase IIIb-2</i> gene
qSSIIIb2-R	ACGTCGTA CTGTTGTTTTGCA	
qSSIIIb1-F	GCATTGGTGTGATTGGG	RT-qPCR analysis of <i>starch synthase IIIb-1</i> gene
qSSIIIb1-R	CAGCCTTTATTCTTTCGGCAC	
qAGPaseLS-F	TTGTTGGAGTTCGTTCTCGG	RT-qPCR analysis of <i>ADP-glucose pyrophosphorylase large subunit</i> gene
qAGPaseLS-R	CCCTATCCTCGCATTCTTGTC	
qPhos1-F	TCTTTGTGACACCGTCGGA	RT-qPCR analysis of <i>Phosphoglucomutase 1</i> gene
qPhos1-R	TCCATCCAGTAGGCACCTCA	
qSBEIII-F1	GCTCTGTTGGTTCTGTTGACG	RT-qPCR analysis of <i>starch branching enzyme III</i> gene
qSBEIII-R1	AGTTCCCATGCCGATTAGC	
qUBI-F	GGAAAAACCATAACCCTGGA	RT-qPCR analysis of <i>Ubiquitin</i> gene as internal control
qUBI-R	ATATGGAGAGAGGGCACCAG	