

S3 Table. qRT-PCR primer sequences used in this study.

Contig	Description	Primer sequence
Actin		5'-GAATCTGGACCATCTATTG-3' 5'-TACCAACCAAACCAAATC-3'
18S		5'-GTCAAAGTGAAGAAATTC-3' 5'-AATCTCGTTAATCCATTC-3'
Pa_Contig00456	Methionine gamma-lyase-like	5'-ACCCTCAGCATGCACTTCTC-3' 5'-GTTTCGCCTTCTCCTCAGTCC-3'
Pa_Contig02033	Glutamine amidotransferase	5'-CCATGGTGTTCCTCTGTGAA-3' 5'-CGTGCAACCGTCTGATCTCT-3'
Pa_Contig03267	Peroxidase 5-like	5'-GGCCTCATTTCGCATGCATTT-3' 5'-TTTGCCGGGAATCCTTCTC-3'
Pa_Contig02874	Germin-like protein subfamily 1 member 20-like	5'-TTGTCTTCCCAATTGGCCTCA-3' 5'-GGGTTCTGACTGTTGAGAGCA-3'
Pa_Contig05917	Germin-like protein	5'-GTCAGAATGCAGGcGTTATCAC-3' 5'-TTGAAAGGCCTTGGCCAGAA-3'
Pa_Contig01404	Putative plant syntaxin	5'-TGTGGCCCATGTTGCATACT-3' 5'-ACGATGATACCCAGAACGACG-3'
Pa_Contig00951	Kynurenine formamidase-like	5'-CTGGGTCTCCTCAAGTGCTG-3' 5'-CCTCTCTGTAGACGTGGGAGA-3'
Pa_Contig05854	Protein hothead-like	5'-GGTACTTGGGGTTGGTTCCT-3' 5'-TTAGGGTTCGCCTGGGGATTA-3'
Pa_Contig04185	Defensin j1-2-like	5'-GCTGCTCGTTCTTCTTCTCCT-3' 5'-ATGGAAGCCTTCAATCCTGCA-3'
Pa_Contig00651	12-oxophytodienoate reductase 11	5'-GGTAGTTGAGGCCGTTGTCA-3' 5'-CTGGGTTTCGAGTCTACAGCG-3'
Pa_Contig00931	Receptor protein kinase ZmPK1	5'-AGAGCTTGTCAAGGGAAGCC-3' 5'-GCTTCTCAGTCCCACCTCTTC-3'
Pa_Contig03380	Conserved hypothetical protein	5'-ACCTCCATCGCTCCCTAAGT-3' 5'-ACACGGCCCAACAGAAGTAG-3'
Pa_Contig05213	Glu proteasa inhibitor	5'-CCCAAATCGTCACGGAAGGA-3' 5'-ACAATGCCTGCAGTCTCATCA-3'
Pa_Contig02540	Tumor related protein	5'-GCGTGTGCAGTTTGTGTAGG-3' 5'-CAAACCCAACCATCTGTTCC-3'
Pa_Contig04097	Trypsin inhibitor	5'-TTCAATGTGCTTCTGGTGGCT-3' 5'-TTCGCCATCATCCCATCACC-3'

The melting temperature is 60°C and the amplicon lengths are smaller than 150 bp.