

Gene ID	Description	primer forward 5'-3'	primer reverse 5'-3'
CMV_CP	CMV coat protein	TTATCCGTTGCCGCCATCTC	TGTTGTTGGCTTGGACTCCA
Solyc06g072570.1.1	Ubiquitin Conjugating Enzyme	ACCTGATGATCCACAAGATGC	GCAGCAAGTGTGGATGTTTTT
Solyc12g100330.1.1	chromomethylase 3	GTCAAATTCCAAAGCGGAAG	CGAAGCTCATCGCATAGTCA
Solyc 10g052470.1.1	Myb family transcription factor (fragment)	CTTCTGGATCATGGACTGCGA	CTGCTGTTTTGCCTCCAAC TG
Solyc02g094520.2.1	Histone-lysine N-methyltransferase	GCCTGATCTAAAGGCGATTTC	GCGAAAAGAACTGATGACCAA
Solyc 07g008240.2.1	Non-symbiotic hemoglobin protein	TGGAAAGGTTGTGGTGAGGG	AGTGCTCATCAACCACACCA
Solyc 01g008150.1.1	Unknown protein (AHRD V1)	TACATGAACGGTGGTGAGCC	CCGCGAAAAC TCCATCATCG
Solyc 04g071800.2.1	Cytochrome P450	GGCTCATGGCTATTTGCATT	GTGGGAGTGAACCAAGGAGA
Solyc 10g085870.1.1	UDP-glucosyltransferase family 1 protein	GGAACAAGGCTGCAATTGAT	ACCATCTGAGACGTGGGAAG
Solyc 09g092130.2.1	Sucrose phosphate Synthase	GGATCTTGCAGCACTCACAA	AGGGTCTGGTCTGGACAATG
Solyc 05g005280.2.1	Poly polymerase catalytic domain containing protein expressed	GCTTGGTTTGGTTCTTCCAA	CTTCCACTGCCGAAAATACC

**Table S1** List of primers used in this study