

Supplementary sequences 1

> Watermelon silver mottle virus (WSMoV) N gene

GCTGTTCCAGGGTACTTTCACTGAGTATTTTGACAGCCTGTTTGAACATAACATCCAAATCATCCTTA
AATTCAACCTGTGAAGCAGAAAGAACCTTAGCCACCTTACAACTTGCTCATAGGTGGAGAAGTTCT
TTATACCCAACCTTTTCTTTCTTTATATTTTGGTAATAAGCTAAAGGGAAAATAATCGGTGCCAGTCCCCT
TATACTAGATAAAAAGAGGTAGAGGTCTCCAATACATAACATCATCCTCAAGGCACAAGAATCATAAGA
TGCGGGCACATTCAACCCATAAGCAGCAACTAATGGTAGTTCCATGATTTTCCCATACATTTCTGTGTC
TAGCAGCTTCATTCTTGCTTTTCTCTACCATACTAACTATTTTGTCTGATAAAAAGCTTCTGTCTCTT
GAATGTCCAGTCCTCAGGTCCGACGTCAACACTTGTGGCAACAATATTTTACCGCAAAAATTATACT
TACCGCTCTTGCAGGCTGCAAAAATCTGTTTCTGTCATTTTAGGATATTCAAGCAGTTTGTAAGGTT
ATCTCTATATTTTGTGTTGTAAAAAAGCTTTGAAGCTAAATCCGGGAGTGGAGTCC

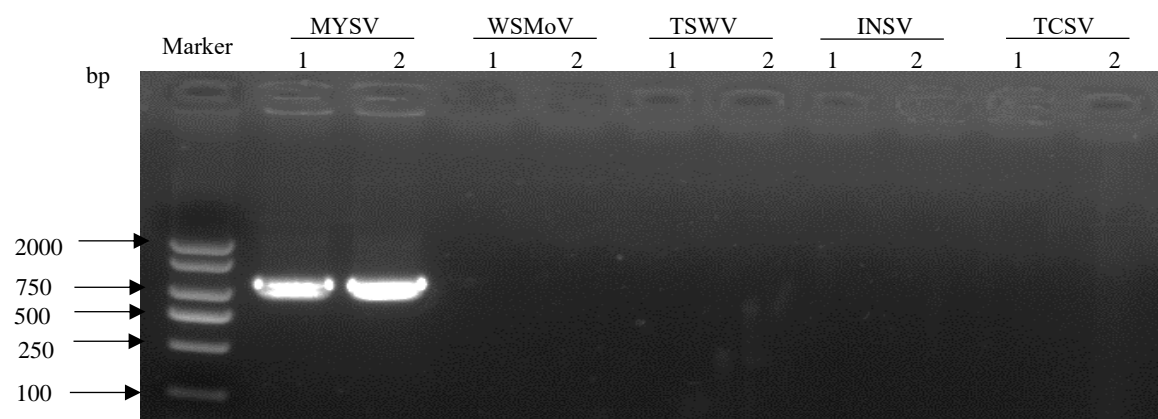
> Melon yellow spot virus (MYSV) N gene

TTAAACTTCAATGGACTTAGATCTGGAAGAAGAAGCTTTACTCTTAGAAGAGCTCTCACCCATTCCAT
CAACTACAAGAGAGGATTTGAAAGCCTGTTCCATGAATTGCACCTGTTTCATTGTAAATCTTCAGGGAT
ATGCCACTGGTTGTTCTGCTGGTTGCAGTCAGCCAAGATCTTACACAACCTTTTAAAAGTTTCATCAA
ATTCTTTCTTGAAGGTCATATTGCTAGCAGACATAACGCGAGCAATTTTGCAGATCTGCTCATATGTAG
AGAAATTCTTTATTCCTAATTGCTCTTTCTTGACATTCTGAAAAATAGGCCAAAGGCAGGACAACAGGG
CAGAGCGAATGCAGACTAGCAAGCAAAGACAGAGGTCTCCAATGCATAGCATTAACTCTCAAAGCTG
TCATGTCAAACCTTTGCAGGCACAGTTAAACCATATGCAGCAACCAATGGAAGCTGCATGGCTTTCTC
ATACATTTTCTGCTTTTCTTCTCCTCATTCTCTGTTTTTCTGCAATGCTGATCATCAAAGTTCTGATAACA
GCTTCAGTTCGTTTAAATGTCCAATCATTAGGACCAACATTATCCCAGATGCAACTATCTTTTTCCCG
CAAACTTGTAGTTTCCAGATTTGCAAGCTGCATAAACTTGTTTTCTGCTTTTCAGAATAGTTATACCG
TTATTATAATTTAATTTACCTCATCTCTCACATCCGTAAAGAATGAATGGAAGTTAAATCCTTCGGCTG
ATTCCTCTGTTTCTATTTCAACTCCGACTTGCCACCACTAAGAAGTTCTTGGATTTTCTCCTTTGTCA
GCTTAGCAACGGTAGACATGGTGTCTTACTTAGGAAACGTGTACTTTGACTTGCTGATGTTGAATT

Supplementary table S1

Supplementary table S1 the primers used for detecting the virus

Names	Sequences(5'-3')
WSMoV-S-F	GCTGTTCCAGGGTACTTTC
WSMoV-S-R	GGACTCCACTCCCGGATTTA
MYSV-cp-F	TTAAACTTCAATGGACTTAGATC
MYSV-cp-R	ATTCAACATCAGCAAGTCAA
TSWV-2118F	CAAGCAAGTTCTGTGAGTTTTGCCT
TSWV-2894R	ATGTCTAAGGTTAAGCTCACTAAG
TCSV-2415F	TCATGCAACACCTGAAATTTTGGC
TCSV-3191R	TCTAAGG TCAAGCTCAC CAGAG
INSV-2075F	TTAAAT AGAATCATTT TTCCCAAAA
INSV-2863R	ATGAACAAAGCAAAGATTACCAA



Supplementary figure S1. 1.0% electrophoresis gel of agarose