

Supplementary Table 1. A list of primers used in this study.

Virus primer	Sequence	Product size (bp)
BnRV1-F	ATCCTAGTTACTGTGCTAAT	738
BnRV1-R	CGTAACGTACCCTTAAAATC	
PRSV-F	AACCCGAGCTTGTGGAGCCC	780
PRSV-R	TGATCAATTTCGACAGGGATG	
WMV-F	ATCAATGAAGCAAGTTAGTC	738
WMV-R	ACAAAGTACGGTAGTGTAGT	
ZYMV-F	TCGTATTGAGCAGGATGAAG	738
ZYMV-R	AAGGTTGCTGCTAACTCACC	
KoMV-F	ACCTCCAAAACTCCTCAAC	760
KoMV-R	ACTTAATGAGTTTAAATGCGG	
QRV3-F	ATTGAAGGTTTATGTTGTTT	738
QRV3-R	GACTCTTTATCTTTTCTTCT	
QRV4-F	ACTCACAGCAAACCTTGTGT	738
QRV4-R	TTGTCAGACTTATCTATGTC	
TuMV-F	ATTTGCTCATGTCACTGGTG	738
TuMV-R	TTCTTGGAATGTAACGGTG	
BBWV-2-F	GATTTCAAGGATCAATCAAGA	738
BBWV-2-R	CCCAGAAGAATTGTGAGATC	
QRV1-F	ATCTTGAACAGTACGCTATC	742
QRV1-R	CTTGTGTTACAGGCTTCATT	
Ixeridium-F	ATTCCAGTCGTAGCTGGCAC	738
Ixeridium-R	TGGACTCCATTGCCTGTTGA	
QRV2-F	AAGTTCAGTCTTGAGAATTG	738
QRV2-R	TGCCCTACTATAAGCAAGT	
CMV-F	ATGCGCCACGCGGAACGTTT	738
CMV-R	CATCCACGCTTTCTTATCAT	
BrYV-F	ATCGAGCTTCGCTTGTTTAT	738
BrYV-R	AGTGGTCGAACAGATTTCCG	
TuYV-aRNA-F	ATCTGGGCTCATCGGGGAGG	738
TuYV-aRNA-R	GTTGAGGATAGTATAGATAG	

Virus primer (nested PCR)	Sequence	Product size (bp)
BnRV1-CF	GTGTCAGTCCGTAATCCCTAA	445
BnRV1-CR	TTGCTTGAGAAGAAGTCCC	
ZYMV-CF	GTTTGCGATCACCGTTCT	438
ZYMV-CR	CAATCCCGTCGTCGTCTC	
QRV3-CF	TCTAAGCAATCTGTCATC	413
QRV3-CR	CTCCCATCATAAGAAGTA	
QRV4-1338-CR	ATTCAGGTCATTAGGTGTTCC	431
QRV4-908-CF	TATTTATGGTTGCGGTCC	
TuMV-CF	GTAATGTAACGGTGAAGCAGG	413
TuMV-CR	TGTTGCTGTATGGAGTTGA	
BBWV-2-CF	CGCAGCTACGTGTATTGTC	434
BBWV-2-CR	CGAAATAAATCATGTCCCTC	
QRV1-CF	TTCTGACTTATCCGATGTTTCT	440
QRV1-CR	ATCAGTTTGACCTCCGTTG	
CMV-CF	TGGGCTTTAGAGGATTATGTG	420
CMV-CR	TGAGTTCGGGTGGGCATA	
BrYV-CF	AGTGTTCCCTCCTCGGGTTG	432
BrYV-CR	CGAAAGCGATGAAGACACCAA	
TuYV-aRNA-CF	ACCAACCGCCAACCTCGTC	447
TuYV-aRNA-CR	GCAGGGAGCGCAACATAA	
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Fungal primer	Sequence	
ITS1-F	TCCGTAGGTGAACCTGCGG	
ITS4-R	TCCTCCGCTTATTGATATGC	
EF1-1018F	GAYTTCATCAAGAACATGAT	
EF1-1620R	GACGTTGAADCCRACRTTGTC	