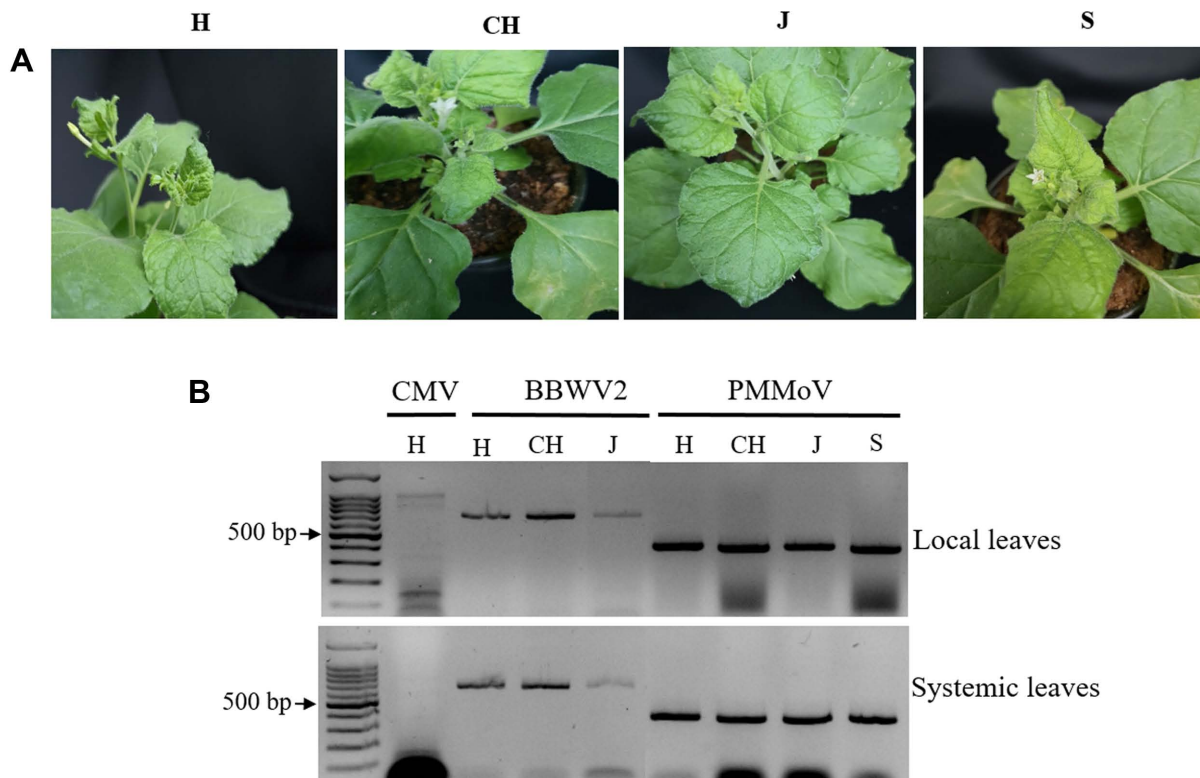


Supplementary Table 1. Primer sequences used in this study

Viruse	Primer sequence	Primer size (bp)	Purpose	Reference
Cucumber mosaic virus (CMV)	5'-YASYTTTDRGGTTCAATTCC-3' 5'-GACTGACCATTTTAGCCG-3'	940	RT-PCR	Cho et al. (2007)
Pepper mottle virus (PepMoV)	5'-TGTTCACTAGGCTCAGGAGT-3' 5'-GACGACCCAAACACACTATT-3'	461	RT-PCR	Shin et al. (2017)
Broad bean wilt virus 2 (BBWV2)	5'-AATGAAGTGGTGCTCAACTACACA-3' 5'-TTTTGGAGCATTCAACCATTGGGA-3'	654	RT-PCR	Cho et al. (2007)
Pepper mild mottle virus (PMMoV)	5'-GTGTACTTCTGCGTTAGG-3' 5'-TTAAGGAGTTGTAGCCACG-3'	390	RT-PCR	Choi et al. (2005)
Tomato spotted wilt virus (TSWV)	5'-GGGACTTTGGAGAATCTCTT-3' 5'-TAAAATACTAGAACTAGTGGTAA-3'	500	RT-PCR	Choi et al. (2018)
Broad bean wilt virus 2	5'-AATTTTGCCGTGAATCTGC-3' 5'-GCACAGCACTATGCTTGGAC-3'	136	qRT-PCR	-
Pepper mild mottle virus	5'-TTCCGATATAATGCCGTGCT-3' 5'-CGTCTCGGCAGTTGTAGGAT-3'	114	qRT-PCR	-

RT-PCR, reverse transcription-polymerase chain reaction.



Supplementary Fig. 1. Symptoms and detection of viruses obtained from the gochujang samples in *Nicotiana benthamiana*. (A) Symptoms induced in *N. benthamiana* by the H, CH, J, and S samples 14 dpi. (B) Detection of the coat protein gene of cucumber mosaic virus (CMV), broad bean wilt virus 2 (BBWV2), and pepper mild mottle virus (PMMoV) in local and systemic leaves of *N. benthamiana* by reverse transcription-polymerase chain reaction.

References

- Cho, J. D., Kim, J. S., Lee, S. H., Choi, G. S. and Chung, B. N. 2007. Viruses and symptoms on peppers, and their infection types in Korea. *Res. Plant Dis.* 13:75-81 (in Korean).
- Choi, G. S., Kim, J. H., Lee, D. H., Kim J. S. and Ryu, K. H. 2005. Occurrence and distribution of viruses infecting pepper in Korea. *Plant Pathol. J.* 21:258-261.
- Choi, G.-W., Kim, B., Ju, H., Cho, S., Seo, E., Kim, J., Park, J., Hommond, J. and Lim, H.-S. 2018. Dual infections of tomato mosaic virus (ToMV) and tomato yellow leaf curl virus (TYLCV), or tomato mosaic virus (ToMV) and tomato chlorosis virus (ToCV), detected in tomato fields located in Chungcheongnam-do in 2017. *Korean J. Agric. Sci.* 45:38-42.
- Shin, J.-S., Han, J.-H., Shin, Y.-J., Kwak, H.-R., Choi, H.-S. and Kim, J.-S. 2017. Specific primer sets for RT-PCR detection of major RNA viruses of tomato plants in Korea. *Res. Plant Dis.* 23:193-201 (in Korean).