

Supplementary Materials

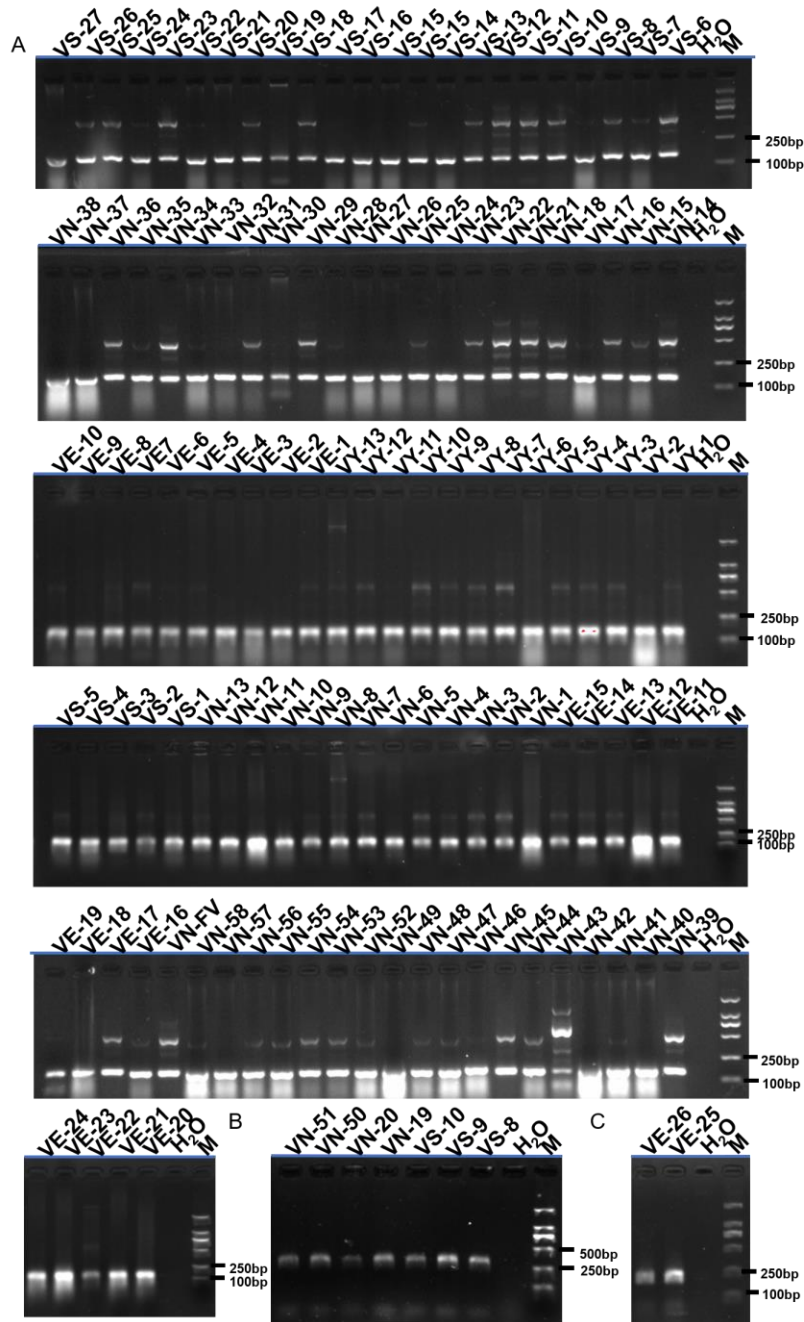


Figure S1. Molecular identification of 134 *Valsa* spp. strains. (A) The identification of *V. mali* strains by using the specific primers of *V. mali*. The expected fragment size was 144bp. (B) The identification of *V. malico* strains by using the specific primers of *V. malico*. The expected fragment size was 324bp. (C) The identification of *L. niveum* strains by using the specific primers of *L. niveum*. The expected fragment size was 240bp.

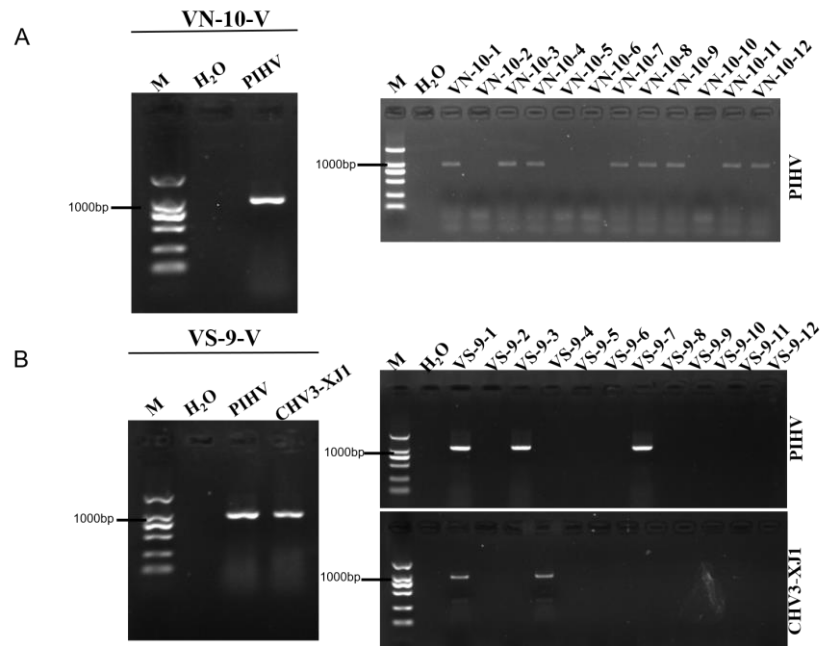


Figure S2. Detection of horizontal transmission of the PHIV and CHV3-XJ1. (A) Detection of the PIHV in the derivative isolate strain VN-10-V. (B) Detection of the PHIV and CHV3-XJ1 in the derivative strain VS-9-V.

Table S1. The specific primers of *Valas* spp.

V. species	Primer name	Primer Sequence (5'-3')	Annealing temperature (°C)
<i>V. mali</i>	VcF	ATTGTGCGATGGCCATCATCTCG	52
	VcR	CAAGGCTAGAAGCAACGCGAAA	59
<i>V. sordida</i>	VsF	CGCAACCCATCTTTCGCTTC	50
	VsR	CTGGACGGAAACACGTCAGT	49
<i>V. malicola</i>	VmF	CGTACCTCCAACCTCCATCCC	60
	VmR	CATACTTGTTGCCGGAAGCC	56
<i>L. niveum</i>	VnF	TTTCCTTCGCGTACAGGTCC	59
	VnR	GTTGTAACTGCGCGATGGTC	58

Table S2. The primers used to detect mycoviruses in this study.

species of virus	Primer name	Primer Sequence (5'-3')	Annealing temperature (°C)
PIHV	1PIHV962F	GCTATTTGCACACTCTTCAC	55
	1PIHV962R	CCAATACAGAGTACATGCGA	55
CHV3-XJ1	2Chv3-834F	CTTCCTTTGCCAACTATCCT	55
	2Chv3-834R	CGGCAAGCAATATCATCATC	55
BVsp-XJ1	1Bvsp814F	CGGACGTACATGGTCTTAAT	55
	1Bvsp814R	CACTGAAAATTAGACGTGGC	55
FaFV1-XJ1	2Fafv1305F	GCAAAGACTAAGAACCCAGA	55
	2Fafv1305R	CCAGTGAATGTGTCTAACCA	55
Fvsp-XJ1	2Fvsp403F	ATTATTTGCCCCGTCCTTGAT	55
	2Fvsp403R	TTGGCTCGTTCATCTACAAA	55
CrMV1	2Crmv1554F	GACTCTATGAGAGCAACAGG	55
	2Crmv1554R	ATTTGCGAACTAAGGTCTGT	55
MoNV1-XJ1	2Monv-472F	ATCACGACAGACCCTTACTA	55
	2Monv-472R	GATGTTTCGTCTCTCCTTACC	55