

**Table S1.** PRV strains used for bioinformatical analyses in the present study

Strain name	GenBank accession	Country (province)
AnH1/CHN2015	MK618718	China (Anhui)
BJ1/CHN2014	MK642564	China (Beijing)
FJ1/CHN2016	MK642565	China (Fujian)
GD1/CHN2016	MK642566	China (Guangdong)
GD2/CHN2016	MK642567	China (Guangdong)
GD3/CHN2016	MK642568	China (Guangdong)
GD4/CHN2016	MK642569	China (Guangdong)
GX1/CHN2014	MK642585	China (Guangxi)
HeN1/CHN2012	MK642583	China (Henan)
HeN1/CHN2014	MK642584	China (Henan)
HeN2/CHN2014	MK642582	China (Henan)
HeN3/CHN2014	MK787153	China (Henan)
HeN4/CHN2014	MK642581	China (Henan)
HeN1/CHN2015	MK642580	China (Henan)
HeN2/CHN2015	MK642579	China (Henan)
HeN3/CHN2015	MK642578	China (Henan)
HeN1/CHN2016	MK642577	China (Henan)
HeN2/CHN2016	MK642576	China (Henan)
HeN3/CHN2016	MK642575	China (Henan)
HuB1/CHN2015	MK642574	China (Hubei)
HuB2/CHN2015	MK642573	China (Hubei)
HuB3/CHN2015	MK642572	China (Hubei)
HuB4/CHN2015	MK642571	China (Hubei)
HuB5/CHN2015	MK642570	China (Hubei)
HuB1/CHN2016	MK682662	China (Hubei)
HuB2/CHN2016	MK682663	China (Hubei)
HuB3/CHN2016	MK682664	China (Hubei)
HuB4/CHN2016	MK682665	China (Hubei)
HuB5/CHN2016	MK682666	China (Hubei)
HuB6/CHN2016	MK682667	China (Hubei)
HuB7/CHN2016	MK682668	China (Hubei)
HuB8/CHN2016	MK682669	China (Hubei)
HuB1/CHN2017	MK682670	China (Hubei)
HuB2/CHN2017	MK682671	China (Hubei)
HuN1/CHN2015	MK682672	China (Hunan)
HuN1/CHN2016	MK682673	China (Hunan)
JS1/CHN2015	MK682674	China (Jiangsu)
JS2/CHN2015	MK682675	China (Jiangsu)
JS1/CHN2017	MK682676	China (Jiangsu)
JX1/CHN2014	MK787152	China (Jiangxi)
JX1/CHN2015	MK787151	China (Jiangxi)
JX2/CHN2015	MK787150	China (Jiangxi)

Strain name	GenBank accession	Country (province)
NMG1/CHN2014	MK787154	China (Inner-Mongolia)
SD1/CHN2015	MK787155	China (Shandong)
SD1/CHN2016	MK787156	China (Shandong)
SD2/CHN2016	MK787164	China (Shandong)
SHH1/CHN2015	MK787156	China (Shanghai)
ZJ1/CHN2012	MK787158	China (Zhejiang)
ZJ2/CHN2012	MK787159	China (Zhejiang)
ZJ1/CHN2014	MK787160	China (Zhejiang)
ZJ2/CHN2014	MK787161	China (Zhejiang)
ZJ1/CHN2015	MK787162	China (Zhejiang)
ZJ1/CHN2016	MK787163	China (Zhejiang)
ZJ1/CHN2017	MK787149	China (Zhejiang)
HN1201	KP722022.1	China
HNB	KM189914.3	China
HNX	KM189912.1	China
HeN1	KP098534.1	China
HLJ8	KT824771.1	China
JS-2012	KP257591.1	China
TJ	KJ789182.1	China
Fa	KM189913.1	China
Ea	KX423960.1	China
SC	KT809429.1	China
NIA3	KU900059.1	Northern Ireland
Kaplan	KJ717942.1	United States
Becker	JF797219.1	United States
Bartha-K61	JF797217.1	Hungary