

Supplementary Table 2. Reference strains used in this work

Strain	Country	Year of isolation	GenBank accession number						
			US2 (28K)	US3 (PK)	US6 (gD)	US7 (gI)	US8 (gE)	US9 (11K)	UL23 (TK)
SC	China	1987	-	-	-	KM676289.1	KM676290.1	KM676290.1	-
Fa	China	1989	-	EU263614.1	AY196984.1	-	-	-	-
Ea	China	1992	AF251221.1	AY319929.1	AF086702.1	AF306511.1	AF171937.1	AF251220.1	AF080571.1
Min-A	China	1996	-	-	AY169694.1	-	AY170318.1	-	AY171242.1
SH	China	1999	-	-	-	-	AF207700.1	-	AF199413.1
LA	China	2002	-	-	AY174090.1	-	AY173124.1	-	AY173125.1
PRV-FZ	China	2007	-	-	FJ477296.1	-	-	-	-
GDSH	China	2007	-	-	-	-	EF552427.1	-	-
HBVD	China	2008	-	-	-	-	-	-	KJ526457.1
HS	China	2008	-	EU650374.1	-	-	-	-	-
SCZ	China	2008	-	EU650375.1	-	-	-	-	-
SDCX2011	China	2011	-	-	-	-	-	-	KF381397.1
Guizhou-DY	China	2012	-	-	-	-	JX417716.1	-	-
BJ/YT	China	2012	-	KC981239.1	KC981239.1	KC981239.1	KC981239.1	KC981239.1	KC981239.1
HeN1	China	2012	KP098534.1	KP098534.1	KP098534.1	KP098534.1	KP098534.1	KP098534.1	KP098534.1
HB/BD	China	2012	-	-	-	-	KC415026.1	-	-
HB/LF	China	2012	-	-	-	-	KC415029.1	-	-
MZ1	China	2012	-	-	-	-	KF130881.1	-	-
TJ	China	2012	KJ789182.1	KJ789182.1	KJ789182.1	KJ789182.1	KJ789182.1	KJ789182.1	KJ789182.1
Xiang A	China	2012	-	KF711990.1	-	KF711987.1	KJ463839.1	-	KF711991.1
ZJ01	China	2012	KM061380.1	KM061380.1	KM061380.1	KM061380.1	KM061380.1	KM061380.1	KM061380.1
BJ/RD	China	2013	-	-	KF017274.1	-	KF017275.1	-	-
PYQF2013	China	2013	-	-	-	-	-	-	KF381396.1
QBA	China	2013	-	-	KF017337.1	-	KF017333.1	-	KF017341.1
QXX	China	2013	-	-	KF017336.1	-	-	-	-
YY	China	2013	-	KP259822.1	-	KP259819.1	KF130885.1	-	KP259815.1
LY	China	2014	-	KP259816.1	-	KP259827.1	-	-	KP259824.1
NS374	Belgium	1971	-	-	-	FJ605140.1	FJ605135.1	-	-
00V72	Belgium	2000	-	-	-	FJ605137.1	FJ605132.1	-	-
75V19	Belgium	1975	-	-	-	FJ605139.1	FJ605133.1	-	-
89V87	Belgium	1989	-	-	-	FJ605138.1	FJ605134.1	-	-
Bartha	Hungary	1961	-	JF797217.1	JF797217.1	-	-	-	JF797217.1
Kaplan	Hungary	1959	KJ717942.1	KJ717942.1	KJ717942.1	KJ717942.1	KJ717942.1	KJ717942.1	KJ717942.1
Nia-1	Ireland	1962	-	-	-	FJ605141.1	FJ605136.1	-	-
P-PrV	Malaysia	2008	-	-	-	-	FJ176390.1	-	-
Namyangju	South Korea	1987	-	-	GQ325660.1	-	-	-	-
Yangsang	South Korea	1996	AY249861.1	-	AY217094.1	-	AY249861.1	AY249861.1	AY217095.1
NiA3	Spain	1971	D10452.1	D10451.1	-	-	EU502923.1	-	X55001.1
Rice	USA	1975	-	-	-	M14336.1	-	M16769.1	-
Becker	USA	1967	JF797219.1	JF797219.1	JF797219.1	JF797219.1	JF797219.1	JF797219.1	JF797219.1

-, not available in GenBank or not used in this study.