

Table S1. List of viruses used for phylogenetic inferences.

Species	NCBI Accession number	Genus
<i>Pitaya virus X</i>	NC_024458.1	<i>Potexvirus</i>
<i>Zygocactus virus X</i>	NC_006059.1	<i>Potexvirus</i>
<i>Cactus virus X</i>	NC_002815.2	<i>Potexvirus</i>
<i>Schlumbergera virus X</i>	NC_011659.1	<i>Potexvirus</i>
<i>Opuntia virus X</i>	NC_006060.1	<i>Potexvirus</i>
<i>Allium virus X</i>	NC_012211.2	<i>Potexvirus</i>
<i>Hosta virus X</i>	NC_011544.1	<i>Potexvirus</i>
<i>Hydrangea ringspot virus</i>	NC_006943.1	<i>Potexvirus</i>
<i>Tulip virus X</i>	NC_004322.1	<i>Potexvirus</i>
<i>Plantago asiatica mosaic virus</i>	NC_003849.1	<i>Potexvirus</i>
<i>Cassava common mosaic virus</i>	NC_001658.1	<i>Potexvirus</i>
<i>Tamus red mosaic virus</i>	NC_016003.1	<i>Potexvirus</i>
<i>Clover yellow mosaic virus</i>	NC_001753.1	<i>Potexvirus</i>
<i>Alternanthera mosaic virus</i>	NC_007731.1	<i>Potexvirus</i>
<i>Papaya mosaic virus</i>	NC_001748.1	<i>Potexvirus</i>
<i>Babaco mosaic virus</i>	NC_036587.1	<i>Potexvirus</i>
<i>Senna mosaic virus</i>	NC_030746.1	<i>Potexvirus</i>
<i>Vanilla virus X</i>	NC_035205.1	<i>Potexvirus</i>
<i>Yam virus X</i>	NC_025252.1	<i>Potexvirus</i>
<i>Euonymus yellow vein virus</i>	NC_035190.1	<i>Potexvirus</i>
<i>Phaius virus X</i>	NC_010295.1	<i>Potexvirus</i>
<i>Lily virus X</i>	NC_007192.1	<i>Potexvirus</i>
<i>Mint virus X</i>	NC_006948.1	<i>Potexvirus</i>
<i>Cassava virus X</i>	NC_034375.1	<i>Potexvirus</i>
<i>Potato virus X</i>	NC_011620.1	<i>Potexvirus</i>
<i>Strawberry mild yellow edge virus</i>	NC_003794.1	<i>Potexvirus</i>
<i>Plantain virus X</i>	NC_028649.1	<i>Potexvirus</i>
<i>Malva mosaic virus</i>	NC_008251.1	<i>Potexvirus</i>
<i>Narcissus mosaic virus</i>	NC_001441.1	<i>Potexvirus</i>
<i>Asparagus virus 3</i>	NC_010416.1	<i>Potexvirus</i>
<i>Lettuce virus X</i>	NC_010832.1	<i>Potexvirus</i>
<i>Alstroemeria virus X</i>	NC_007408.1	<i>Potexvirus</i>
<i>Cymbidium mosaic virus</i>	NC_001812.1	<i>Potexvirus</i>
<i>Pepino mosaic virus</i>	NC_004067.1	<i>Potexvirus</i>
<i>Potato aucuba mosaic virus</i>	NC_003632.1	<i>Potexvirus</i>
<i>White clover mosaic virus</i>	NC_003820.1	<i>Potexvirus</i>
<i>Nerine virus X</i>	NC_007679.1	<i>Potexvirus</i>
<i>Euonymus yellow mottle associated virus</i>	NC_055574.1	<i>Potexvirus</i>
<i>Cnidium virus X</i>	NC_055546.1	<i>Potexvirus</i>
<i>Bamboo mosaic virus</i>	NC_001642.1	<i>Potexvirus</i>
<i>Foxtail mosaic virus</i>	NC_001483.1	<i>Potexvirus</i>
<i>Turtle grass virus X</i>	NC_040644.1	<i>Potexvirus</i>
<i>Ambrosia asymptomatic virus 1</i>	NC_055542.1	<i>Potexvirus</i>

<i>Cassava Colombian symptomless virus</i>	KC505252.1	<i>Potexvirus</i>
<i>Lagenaria mild mosaic virus</i>	NC_043079.1	<i>Potexvirus</i>
<i>Indian citrus ringspot virus</i>	NC_003093.1	<i>Potexvirus</i>
<i>Citrus yellow vein clearing virus</i>	NC_026592.1	<i>Potexvirus</i>
<i>Vanilla latent virus</i>	NC_035204.1	<i>Allexivirus</i>
<i>Alfalfa virus S</i>	NC_034622.1	<i>Allexivirus</i>
<i>Arachis pintoï virus</i>	NC_032104.1	<i>Allexivirus</i>
<i>Garlic virus B</i>	NC_025789.1	<i>Allexivirus</i>
<i>Garlic virus D</i>	NC_022961.1	<i>Allexivirus</i>
<i>Blackberry virus E</i>	NC_015706.1	<i>Allexivirus</i>
<i>Garlic virus X</i>	NC_001800.1	<i>Allexivirus</i>
<i>Garlic virus E</i>	NC_004012.1	<i>Allexivirus</i>
<i>Shallot virus X</i>	NC_003795.1	<i>Allexivirus</i>
<i>Garlic virus A</i>	NC_003375.1	<i>Allexivirus</i>
<i>Garlic virus C</i>	NC_003376.1	<i>Allexivirus</i>
<i>Lolium latent virus</i>	NC_010434.1	<i>Lolavirus</i>
<i>Botrytis virus X</i>	NC_005132.1	<i>Botrexvirus</i>
<i>Donkey orchid symptomless virus</i>	NC_022894.1	<i>Platypuvirus</i>
