

Supplementary Table 1. Code; genus; species, or isolate name; strain; and GenBank accession number for each isolate included in the phylogenetic analyses and included in Supplementary Figure 1.

Code	Genus	Species or isolate name	Strain	GenBank accession number
<i>Entomopoxvirinae</i>				
AMEV	<i>Betaentomopoxvirus</i>	<i>Amsacta moorei entomopoxvirus</i>	Moyer	NC_002520
MSEV	Undefined	<i>Melanoplus sanguinipes entomopoxvirus 'O'</i>	Tucson	NC_001993
<i>Chordopoxvirinae</i>				
CNPV	<i>Avipoxvirus</i>	<i>Canarypox virus</i>	ATCC VR111	NC_005309
FWPV	<i>Avipoxvirus</i>	<i>Fowlpox virus</i>	HP1 438 Munich	AJ581527
FWPV	<i>Avipoxvirus</i>	<i>Fowlpox virus</i>	FCV Iowa	NC_002188
GTPV	<i>Capripoxvirus</i>	<i>Goatpox virus</i>	G20 LKV	AY077836
GTPV	<i>Capripoxvirus</i>	<i>Goatpox virus</i>	Pellor	NC_004003
LSDV	<i>Capripoxvirus</i>	<i>Lumpy skin disease virus</i>	Neethling 2490	NC_003027
LSDV	<i>Capripoxvirus</i>	<i>Lumpy skin disease virus</i>	LW 1959	AF409138
LSDV	<i>Capripoxvirus</i>	<i>Lumpy skin disease virus</i>	Neethling Warmbaths LW	AF409137
SPPV	<i>Capripoxvirus</i>	<i>Sheeppox virus</i>	Strain A	AY077833
SPPV	<i>Capripoxvirus</i>	<i>Sheeppox virus</i>	NISKHI	AY077834
SPPV	<i>Capripoxvirus</i>	<i>Sheeppox virus</i>	TU V02127	NC_004002
DPV	<i>Cervidpoxvirus</i>	<i>Mule deerpox virus</i>	W84	AY689437
DPV	<i>Cervidpoxvirus</i>	<i>Mule deerpox virus</i>	W83	NC_006966
CRV	<i>Crocodylidpoxvirus</i>	<i>Nile crocodilepox virus</i>	Zimbabwe	NC_008030
MYXV	<i>Leporipoxvirus</i>	<i>Myxoma virus</i>	Lausanne	NC_001132
MYXV	<i>Leporipoxvirus</i>	<i>Myxoma virus</i>	6918	EU552530
RFV	<i>Leporipoxvirus</i>	<i>Rabbit fibroma virus</i>	Kasza	NC_001266
MOCV	<i>Molluscipoxvirus</i>	<i>Molluscum contagiosum virus</i>	St1 (Subtype 1)	NC_001731
AKMV	<i>Orthopoxvirus</i>	Akhmeta virus ^a	GCP2013	KM046934-42
CMLV	<i>Orthopoxvirus</i>	<i>Camelpox virus</i>	CMS	AY009089
CMLV	<i>Orthopoxvirus</i>	<i>Camelpox virus</i>	M96	NC_003391
CPXV	<i>Orthopoxvirus</i>	<i>Cowpox virus</i>	Brighton Red	NC_003663
CPXV	<i>Orthopoxvirus</i>	<i>Cowpox virus</i>	GRI 90	X94355
CPXV	<i>Orthopoxvirus</i>	<i>Cowpox virus</i>	Germany 91 3	DQ437593
ECTV	<i>Orthopoxvirus</i>	<i>Ectromelia virus</i>	Moscow	NC_004105
ECTV	<i>Orthopoxvirus</i>	<i>Ectromelia virus</i>	Naval	KJ563295
MPXV	<i>Orthopoxvirus</i>	<i>Monkeypox virus</i>	Zaire 1979	DQ011155
MPXV	<i>Orthopoxvirus</i>	<i>Monkeypox virus</i>	Sierra Leone	AY741551
MPXV	<i>Orthopoxvirus</i>	<i>Monkeypox virus</i>	Liberia 1970	DQ011156
MPXV	<i>Orthopoxvirus</i>	<i>Monkeypox virus</i>	Congo 2003	DQ011154
RACV	<i>Orthopoxvirus</i>	<i>Raccoonpox virus</i>	MD 1964	FJ807746-54

SKPV	<i>Orthopoxvirus</i>	<i>Skunkpox virus</i>	USA 1978	FJ807755-63
TATV	<i>Orthopoxvirus</i>	<i>Taterapox virus</i>	Dahomey 1968	NC_008291
TDV	<i>Orthopoxvirus</i>	AK2015_poxvirus ^a	AK2015	KX914668-76
VACV	<i>Orthopoxvirus</i>	<i>Vaccinia virus</i>	Lister	AY678276
VACV	<i>Orthopoxvirus</i>	<i>Vaccinia virus</i>	Duke	DQ439815
VACV	<i>Orthopoxvirus</i>	<i>Vaccinia virus</i>	Copenhagen	M35027
VACV	<i>Orthopoxvirus</i>	<i>Vaccinia virus</i>	MVA (Modified vaccinia Ankara)	U94848
HSPV	<i>Orthopoxvirus</i>	(Horsepox virus) ^b	MNR76	DQ792504
RPXV	<i>Orthopoxvirus</i>	(Rabbitpox virus) ^b	Utrecht	AY484669
VARV	<i>Orthopoxvirus</i>	<i>Variola virus</i>	Bangladesh 1975	L22579
VARV	<i>Orthopoxvirus</i>	<i>Variola virus</i>	India 1967	NC_001611
VARV	<i>Orthopoxvirus</i>	<i>Variola virus</i>	Garcia 1966	Y16780
VPXV	<i>Orthopoxvirus</i>	<i>Volepox virus</i>	USA 1985	FJ807737-45
BPSV	<i>Parapoxvirus</i>	<i>Bovine papular stomatitis virus</i>	BV AR02	NC_005337
ORFV	<i>Parapoxvirus</i>	<i>Orf virus</i>	NZ2	DQ184476
ORFV	<i>Parapoxvirus</i>	<i>Orf virus</i>	IA82	AY386263
ORFV	<i>Parapoxvirus</i>	<i>Orf virus</i>	SA00	NC_005336
SWPV	<i>Suipoxvirus</i>	<i>Swinepox virus</i>	Neb 17077 99	NC_003389
TANV	<i>Yatapoxvirus</i>	<i>Tanapox virus</i>	TPV RoC	EF420157
TANV	<i>Yatapoxvirus</i>	<i>Tanapox virus</i>	Kenya	NC_009888
YLDV	<i>Yatapoxvirus</i>	<i>Yaba-like disease virus</i> ^c	Davis	NC_002642
YMTV	<i>Yatapoxvirus</i>	<i>Yaba monkey tumor virus</i>	Amano	NC_005179

^a Isolate names, as these species are not yet recognized by the International Committee on Taxonomy of Viruses (ICTV)

^b Also a strain of *Vaccinia virus*, though commonly referred to by the listed name

^c A strain of *Tanapox virus*, though commonly referred to by the listed name