

Table S1. Strains used in this study

Species	Strain	Abbreviation	Accession #	Size	Reference
Akhmeta virus	Akhmeta2013-85	AKMV_AKHM13-85		221,911	This study
Akhmeta virus	Akhmeta2013-88	AKMV_AKHM13-88		221,902	This study
Akhmeta virus	Vani2010	AkMV_VANI10		217,740	This study
Cowpox virus	GRI-90	CPXV_GRI-90	X94355.2	223,666	[1]
Cowpox virus	Brighton Red	CPXV_BR	NC_003660.2	224,499	[2]
Cowpox virus	Germany 91-3	CPXV_GER91	DQ437593.1	228,250	[3]
Cowpox virus	Austria 1999	CPXV_AUS99	HQ407377.1	221,512	[4]
Cowpox virus	HumGra07/1	CPXV_HumGra08/2	KC813510.1	220,071	[5]
Cowpox virus	RatKre08/2	CPXV_RatKre08/2	KC813505.1	221,194	[5]
Cowpox virus	JagKre08/1	CPXV_JagKre08/1	KC813497.1	216,415	[5]
Cowpox virus	HumMag07/1	CPXV_HumMag07/1	KC813495.1	217,406	[5]
Cowpox virus	HumLit08/1	CPXV_HumLit08/1	KC813493.1	215,715	[5]
Cowpox virus	France_2001_Nancy	CPXV_FRA01	HQ420894.1	226,424	[4]
Cowpox virus	Germany_2002_MKY	CPXV_GER02	HQ420898.1	222,555	[4]
Ectromelia virus	Moscow	ECTV_MOS	NC_004105.1	209,771	[6]
Ectromelia virus	ERPV	ECTV_ERPV	JQ410350.1	206,527	[7]
Ectromelia virus	Naval	ECTV_NAV	KJ563295.1	207,428	[8]
Taterapox virus	Dahomey 1968	TATV_DAH	NC_008291.1	198,050	[3]
Camelpox virus	CMS	CMLV_CMS	AY009089.1	202,205	[9]
Rabbitpox virus	Rabbitpox Utrecht	RPXV_UTR	AY484669.1	197,731	[10]
Horsepox virus	MNR-76	HSPV_NMR76	DQ792504	212,633	[11]
Monkeypox virus	Congo_2003_358	MPXV_CNG03	DQ011154.1	197,195	[12]
Monkeypox virus	Liberia_1970_184	MPXV_LIB70	DQ011156.1	200,256	[12]
Monkeypox virus	Zaire-96-I-16	MPXV_ZAI96	NC_003310.1	196,858	[12]
Vaccinia virus	Lister clone VACV107	VACV_LIST107	DQ121394.1	189,421	[13]
Vaccinia virus	Chorioallantois vaccinia virus Ankara	VACV_CVA	AM501482.1	192,353	[14]
Vaccinia virus	Acambis clone 2000	VACV_ACAM	AY313847.1	199,234	[15]
Vaccinia virus	Western Reserve	VACV_WR	NC_006998	194,711	[16]
Variola virus	Brazil 1966	VARV_BRZ66	DQ441419.1	188,062	[3]
Variola virus	Bangladesh 1974	VARV_BSH74	DQ441420.1	186,293	[3]
Variola virus	China Horn 1948	VARV_CHN48	DQ437582.1	186,668	[3]
Raccoonpox virus	Herman	RCNV_HRM	NC_027213.1	214,699	[17]
Skunkpox virus	WA	SKPV_WA	KU749310.1	222,832	[18]
Volepox virus	CA	VPXV_CA	KU749311.1	217,124	[18]

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