MPXV DRC 07 0045|JX878413
MPXV DRC 07 0480|JX878427
MPXV DRC 07 0092|JX878415
MPXV DRC 07 0514|JX878428
MPXV DRC 07 0093|JX878416
MPXV DRC 07 0286|JX878421
MPXV DRC 07 0046|JX878414
MPXV DRC 07 0287|JX878422
MPXV DRC 06 1070|JX878410
MPXV DRC 06 1076|JX878412
MPXV DRC 06 0999|JX878409
MPXV DRC 06 1075|JX878411
MPXV Yambuku DRC 1985|KP849471
MPXV Cameroon 1990|KJ642618
MPXV Gabon 1988|KJ642619
MPXV Congo 8|KJ642613
MPXV DRC Yandongi 1985|KC257460
MPXV Sudan 2005 01|KC257459
MPXV V79 I 005|HQ857562
MPXV Zaire 1979 005|DQ011155
MPXV Boende DRC 2008|KP849469
MPXV Congo 2003 358|DQ011154
MPXV DRC 07 0354|JX878425
MPXV DRC 07 0662|JX878429
MPXV DRC 07 0338|JX878424
MPXV DRC 06 0950|JX878407
MPXV DRC 07 0337|JX878423
MPXV DRC 07 0104|JX878417
MPXV Ikubi|KJ642612
MPXV Zaire 96 I 16|AF380138
MPXV DRC 07 0275|JX878419
MPXV DRC 07 0283|JX878420
MPXV DRC 07 0120|JX878418
MPXV DRC 06 0970|JX878408
MPXV DRC 07 0450|JX878426
MPXV 3019|MK783028
MPXV 3030|MK783032
MPXV 3029|MK783029
MPXV 3025|MK783030
MPXV Israel 2018|MN648051
MPXV Nigeria SE 1971|KJ642617
MPXV W Nigeria|KJ642615
MPXV USA 2003 039|DQ011157
MPXV USA 2003 044|DQ011153
MPXV COP 58|AY753185
MPXV WRAIR7 61|AY603973
MPXV PCH|KJ642616
MPXV UTC|KJ642614
MPXV Sierra Leone|AY741551
MPXV Cote d Ivoire 1971|KP849470
MPXV Liberia 1970 184|DQ011156
MPXV TNP 2018 East Paddy|MN346702
MPXV Ivory Coast 2012|KJ136820
MPXV TNP 2017 North Saro|MN346694
MPXV TNP 2017 South Pushkin|MN346698
MPXV TNP 2017 North Sidonie|MN346695
MPXV TNP 2017 North Bic|MN346690
MPXV TNP 2017 North Surprise 1|MN346696
MPXV TNP 2017 South Ravel 2|MN346700
MPXV TNP 2017 North Ponan|MN346693
MPXV TNP 2017 North Mama|MN346692
MPXV TNP 2017 South Ravel 1|MN346699
CPXV GRI 90|X94355
CPXV Kostroma 2015|KY369926
CPXV Finland 2000 MAN|HQ420893
CPXV HumLit08 1|KC813493
CPXV Catpox3L97|KY549143
CPXV Austria 1999|HQ407377
CPXV1.2
CPXV1.1
VACV Tashkent clone TKT3|KM044309
VACV Tashkent clone TKT4|KM044310
VACV Acambis clone 2000|AY313847
VACV Acambis clone 3|AY313848
VACV 3737|DQ377945
VACV DUKE|DQ439815
VACV Dryvax clone DPP25|KJ125438
HSPV MNR 76|DQ792504
VACV Ankara CVA|AM501482
VACV Modified virus Ankara MVA|AY603355
RPXV|AY484669
VACV IHD W clone IHDW1|KJ125439
VACV Copenhagen|M35027
VACV TianTan clone TP5|KC207811
VACV WR|NC 006998
VACV Lister Butantan|KX061501
VACV LC16mO|AY678277
VACV Lister clone VACV107|DQ121394
CPXV Ratpox09|LN864565
CPXV HumKre08 1|KC813512
CPXV Cepad 333|MK035753
CPXV HumAac09 1|KC813508
CPXV Rat Koelle|MK035757
CPXV RatKre08 2|KC813505
CPXV Rat Marl|MK035747
CPXV Compiegne 2009|MK035750
CPXV Cepad 332|MK035759
CPXV Boa Marl|MK035748
CPXV RatAac09 1|KC813501
CPXV Boy Biederstein|MK035746
CPXV Rat Biederstein|MK035749
CPXV HumGra07 1|KC813510
CPXV2
CMLV CMS|AY009089
CMLV 0408151v|KP768318
CMLV M 96|AF438165
CMLV Negev2016|MK910851
TATV|DQ437594
VARV Viking|LR800245
VARV VD21UVic|BK010317
VARV VD21 17th cent|KY358055
VARV Garcia 1966|Y16780
VARV BRZ66 39|DQ441419
VARV UNK52 but|DQ441447
VARV V1588|LT706529
VARV NIG69|DQ441434
VARV BEN68 59|DQ441416
VARV GUI69 005|DQ441426
VARV SLN68 258|DQ441437
VARV KOR47 lee|DQ441432
VARV IND53 ndel|DQ441428
VARV JAP46 yam|DQ441429
VARV JAP51 hrpr|DQ441430
VARV JAP51 stwl|DQ441431
VARV CHN48 horn|DQ437582
VARV V563|LT706528
VARV UNK44 harv|DQ441444
VARV IRN72 tbrz|DQ437587
VARV SYR72 119|DQ437592
VARV PAK69 lah|DQ437589
VARV YUG72 164|DQ441448
VARV AFG70 vlt4|DQ437580
VARV KUW67 1629|DQ441433
VARV IND64 vel4|DQ437585
VARV IND64 vel5|DQ437586
VARV SUM70 222|DQ437591
VARV SUM70 228|DQ441442
VARV UNK46 hind|DQ441445
VARV IND67|X69198
VARV IND53 mad|DQ441427
VARV BSH74 nur|DQ441420
VARV BSH75 banu|DQ437581
VARV BSH74 shz|DQ441421
VARV Bangladesh 1975|L22579
VARV NEP73 175|DQ437588
VARV GER58 hdlg|DQ437584
VARV UNK47 hig|DQ441446
VARV BOT72 143|DQ441417
VARV BOT73 225|DQ441418
VARV SAF65 103|DQ441436
VARV SAF65 102|DQ441435
VARV CNG70 46|DQ437583
VARV CNG70 227|DQ441423
VARV TAN65 kem|DQ441443
VARV SUD47 jub|DQ441440
VARV SUD47 rum|DQ441441
VARV ETH72 17|DQ441425
VARV SOM77 2479|DQ437590
VARV SOM77 1252|DQ441438
VARV SOM77 1605|DQ441439
CPXV Ger 1971 EP1|KY463519
CPXV Ger 2010 Cat|LT896729
CPXV Ger 2010 Racoon|LT896730
CPXV Ger 2010 Alpaca|LT896718
CPXV JagKre08 1|KC813497
CPXV MonKre08 4|KC813500
CPXV JagKre08 2|KC813498
CPXV HumLan08 1|KC813492
CPXV RatHei09 1|KC813504
CPXV Ger 2014 Cat2|LT896725
CPXV Ger 2015 Cat3|LT896733
CPXV Ger 2015 Prairie dog|LT993231
CPXV Ger 2015 Cat2|LT896727
CPXV Ger 2017 Alpaca2|LT896732
CPXV Ger 2012 Alpaca|LT896726
CPXV Ger 2015 Human2|LT993232
CPXV Ger 2015 Cat4|LT896731
CPXV Ger 2015 Human1|LT896720
CPXV Ger 2017 Alpaca1|LT993230
CPXV Ger 2017 FMEimka|LT993228
CPXV Ger 2014 Cat1|LT896723
CPXV HumGri07 1|KC813511
CPXV Amadeus 2015|LN879483
CPXV CatBer07 1|KC813502
CPXV HumBer07 1|KC813509
CPXV BeaBer04 1|KC813491
CPXV HumMag07 1|KC813495
CPXV Ger 2013 Alpaca|LT896719
CPXV Ger 2002 MKY|HQ420898
CPXV Ger 2010 Rat|LT896728
CPXV S2216 04|MK035751
CPXV Cookie S963 15|MK035754
CPXV Sammy 2015 4a|MK035752
CPXV Leo 2015 5|MK035756
CPXV Moritz 2015 3a|MK035758
CPXV Ger 1980 EP4|HQ420895
CPXV HumPad07 1|KC813496
CPXV 75 01|MK035755
CPXV K779|KY549146
CPXV K780|KY549147
CPXV3
CPXV Ger 1998 2|HQ420897
CPXV FM2292|LN864566
CPXV Ger 2007 Vole|LT896722
CPXV Ger 91 3|DQ437593
CPXV Ger 2015 Cat1|LT896724
CPXV CheNova DK 2014|KY569019
CPXV HumLue09 1|KC813494
CPXV Ger 1990 2|HQ420896
CPXV France 2001 Nancy|HQ420894
CPXV MarLei07 1|KC813499
CPXV France Amiens 2016|LT883663
CPXV Norwayfeline|KY549151
CPXV Norway 1994 MAN|HQ420899
CPXV K2739|KY549149
CPXV K4207|KY549150
CPXV K428|KY549145
CPXV UK2000 K2984|HQ420900
CPXV 1639|KY549148
CPXV Catpox5wv1|KY549144
CPXV Brighton Red|AF482758
CPXV4
CPXV Ger 2010 MKY|LT896721
CPXV GerMygEK 938 17|LR812035
CPXV5
OPVA|MH816996
ECTV ERPV|JQ410350
ECTV Naval|KJ563295
ECTV Hampstead|KY554976
ECTV Moscow|AF012825
AKMV 2013 85|MH607142
AKMV 2013 88|MH607141
AKMV G66|MN244296
AKMV Vani 2010|MH607143
AKMV A39|MN244297
AKMV A40|MN244298
AKPV 2015|MN240300
RCNV 85A|KU749309
RCNV Herman|KP143769
SKPV|KU749310
VPXV|KU749311
YOKV|HQ849551
MMPV|MF001304
NY 014|NC 035469

Fig. S2