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Supplementary data

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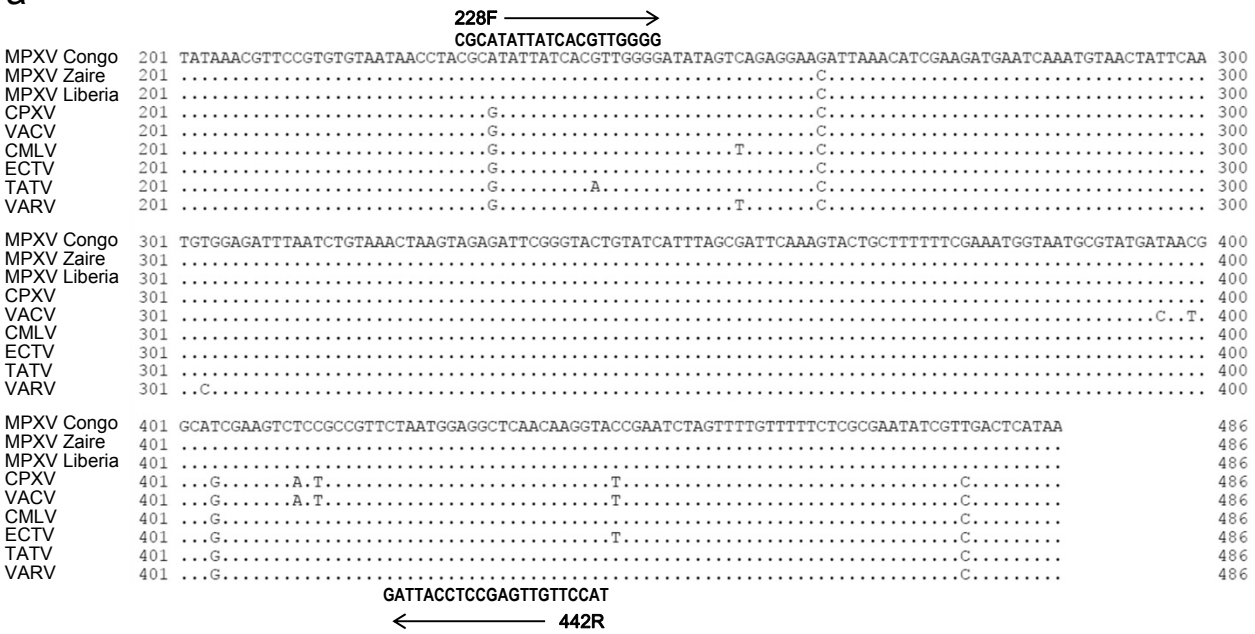
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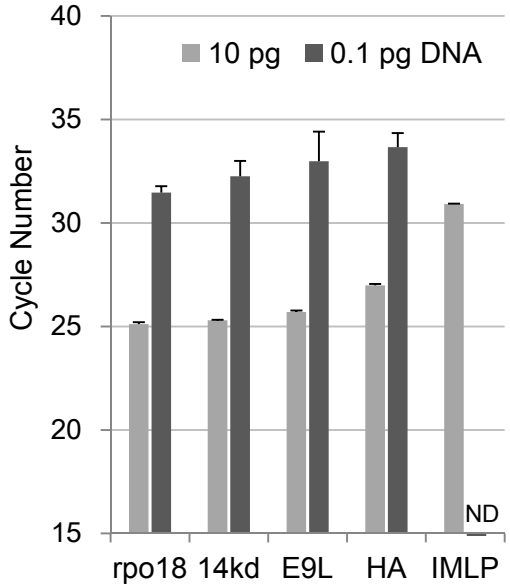
Supplementary data

Fig. S1.

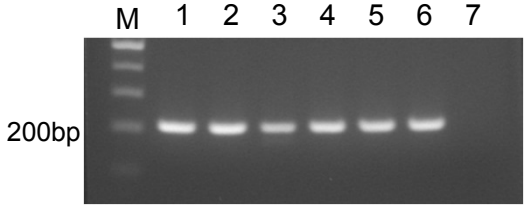
a



b



c



M. marker
1. Monkeypox (Zr599)
2. Monkeypox (Liberia)
3. Cowpox (Brighton Red)
4. Vaccinia (Lister)
5. Camelpox (J1)
6. Ectromelia (Hampstead)
7. Mock

Supplementary data

Figure legend

Fig. S1. Validation of real-time PCR assay for detection of OPXV genes. (a) Sequence aliment of the rpo18 gene (201-486 bp) of OPXVs and the location of primer set (228F and 442R). The sequences were obtained from the GenBank, accession numbers or NCBI reference sequence: DQ011154 (MPXV Congo_2003_358), HM172544 (MPXV Zaire 1979-005), DQ011156 (MPXV Liberia_1970_184), AF482758 (CPXV Brighton Red), DQ121394 (VACV Lister), NC_003391 (camelpox virus, CMLV), AF012825 (ectromelia virus, ECTV Moscow), NC_008291 (taterapox virus, TATV), NC_001611 (variola virus, VARV). (b) Low molecular weight DNA (10 pg or 0.1 pg) extracted from the cells infected with MPXV Zr599 were tested using SYBR Green I-based real-time PCR targeting the *rpo18*, 14kD gene (14kD), DNA polymerase E9L gene (E9L), hemagglutinin gene (HA), and insulin metalloproteinase-like protein gene (IMLP) of OPXV. ND, not detected. Approximately 10 copies of the rpo18 gene were contained in 0.1 pg of Low molecular weight DNA. Data represent mean ± standard deviation of triplicates. (c) Amplification of monkeypox (Zr599 and Liberia), cowpox (Brighton Red), vaccinia (Lister), camelpox (J1), and ectromelia (Hampstead) virus DNA by conventional PCR using the *rpo18* primers. Low molecular weight DNA (100 pg) from the cells infected with each virus was used as template.