

**Supplementary Table 1.** Viral protein signature of MPXV MOI 1 infected MEF lysates at 21 hours post-infection. Viral proteins using VACV WR homologues nomenclature. Protein ID, encoding gene name, log<sub>2</sub>-fold change (FC) (MPXV infected MEF versus MEF Mock) of levels of each protein, and the statistical significance ( $-\log P$  value) of each Clade II strain are listed.