



Supplementary Fig. S1. Selected viraemia profiles of AMCRs inoculated with 1500 p.f.u. parental genotype and NY99/MX03 point-mutant viruses. Crows were inoculated with WN/IC-P991 ($n=8$), WN/IC-E ($n=8$), WN/IC-5'.E.3' ($n=7$), WN/IC-5'.E ($n=7$), WN/IC-E.NS4B ($n=6$) or WN-MX03/IC ($n=3$). Titres were determined by standard plaque assay on Vero cells, with a limit of detection of $1.7 \log_{10}$ p.f.u. (ml serum) $^{-1}$. Results are shown as means \pm SD, and only positive or negative values are presented for clarity.