



**Supplemental Figure 3.** Virus shed detected by qRRT-PCR from 2 week-old mallards directly inoculated with  $10^6$  50% egg infectious doses per bird of H7N8 avian influenza viruses by time post inoculation: A) Oro-pharyngeal swabs from low pathogenic and highly pathogenic avian influenza virus exposed birds (n=8); B) Cloacal swabs from low pathogenic and highly pathogenic avian influenza virus exposed birds (n=8). Bars represent mean and standard deviation; a dotted line represents the approximate limit of detection; samples where virus was not detected are shown at the limit of detection; LP=low pathogenic (shown in black), HP=highly pathogenic (shown in red). Brackets with an asterisk denote statistical significance at a p value of  $\leq 0.05$  between the bracketed groups.