**Supplemental Figure 1**: Equine gamma herpesviral load was not different in the lesion versus grossly normal tissue for horses with EGGD. The line shows viral load in the same horse in each tissue type - normal (EGGD\textsubscript{N}) and EGGD lesion (EGGD\textsubscript{L}). Viral load was determined by \textit{in situ} hybridization (ISH), and positive cells/mm\textsuperscript{2} were determined separately for the mucosa (A) and lamina muscularis (LM) (B). Viral loads for EGGD horses were compared between EGGD\textsubscript{N} and EGGD\textsubscript{L} by Wilcoxon signed rank sum test for paired non-parametric data. *, p < 0.05 and no significant differences were detected.