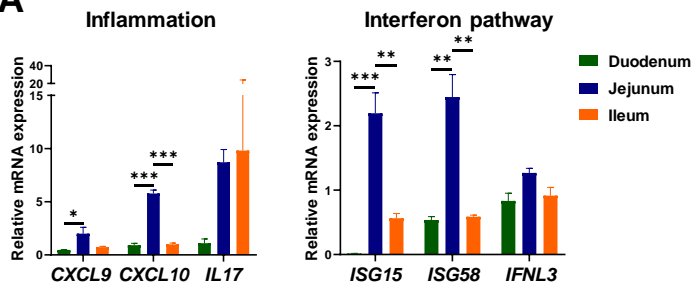
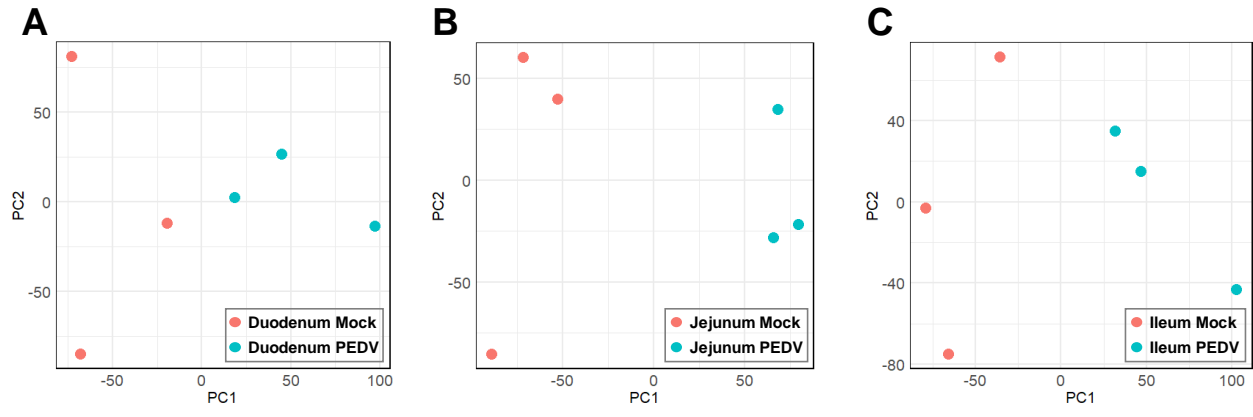


A**Supplementary Figure 1. Expression of immune and antiviral markers in PEDV-infected organoids**

(A) Gene expression of inflammation markers (*CXCL9*, *CXCL10*, *IL17*) and interferon pathway markers (*ISG15*, *ISG58*, *IFNL3*) in PEDV-infected duodenal, jejunal, and ileal organoids was measured by qRT-PCR. The results are represented as the mean \pm SEM (* p<0.05; ** p<0.01; *** p<0.001).



Supplementary Figure 2. Principal component analysis of regional organoids following PEDV infection

(A–C) PCA plots of (A) duodenal, (B) jejunal, and (C) ileal organoids, based on bulk RNA sequencing data, illustrating the differences in RNA expression profiles in response to PEDV infection across the regional apical-out organoids.