

**SUPPLEMENTARY FIG. S3.** Reduced number of goblet cells in the crypts of the large intestine in  $Thra1^{PV/+}$  mice. (A) Alcian blue staining for goblet cells was performed on sections of WT and  $Thra1^{PV/+}$  mouse large intestine. (B) Quantification shows that the number of goblet cells was reduced in the crypt.