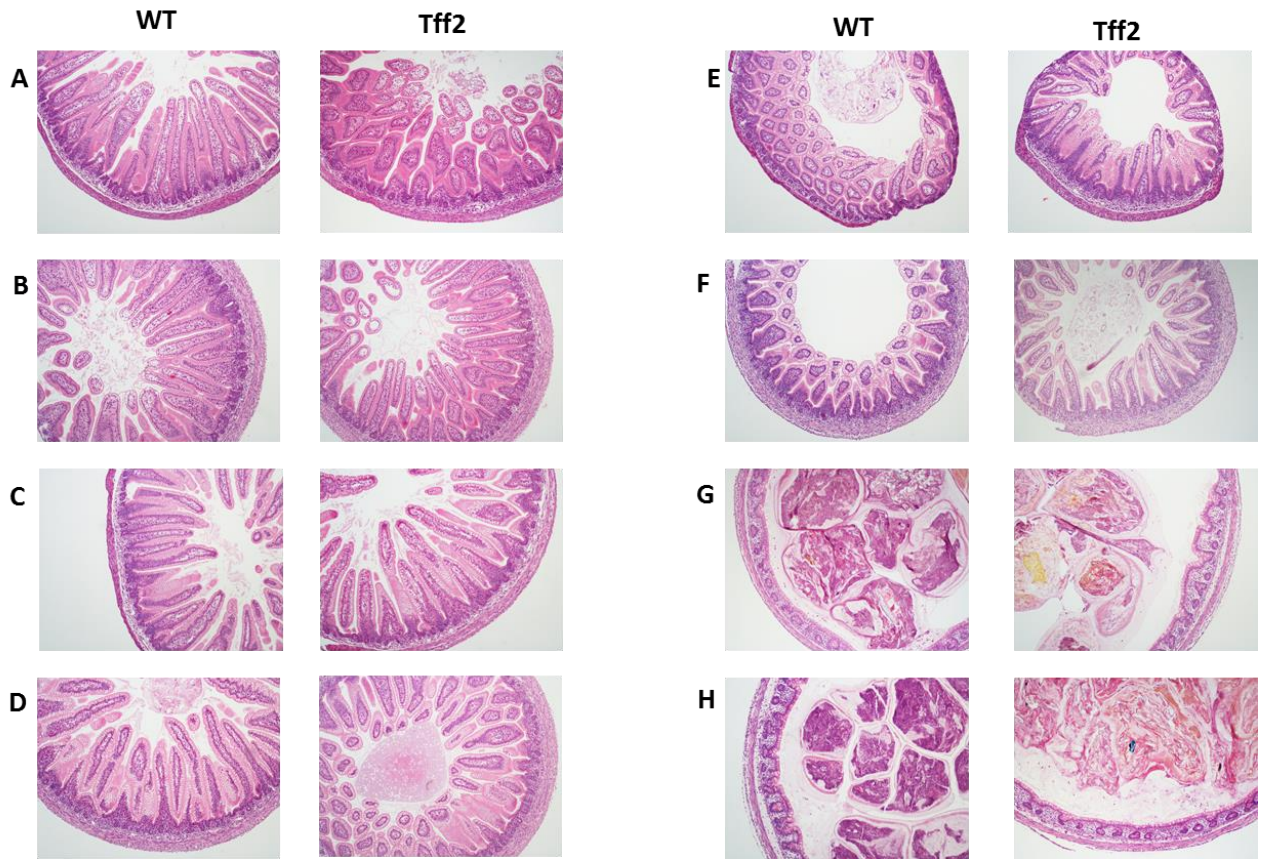


**Fig. S2. Temporal changes in trefoil factor expression in the neonatal rat gastrointestinal tract.** The normal developmental expression of *tff1*, *tff2* and *tff3* over the period P2 to P9. qRT-PCR data for Tff1, Tff2 and Tff3 was normalized to data obtained for the *rspS23* gene, and standardised to expression levels at P2 using the  $\Delta C_T$  method. Error bars represent SEM of results from  $n = 6$  animals.



**Fig. S3. Colonization of the P9 gastrointestinal tract of neonatal rats with *E. coli* A192PP does not alter the integrity of the intestinal epithelium in either wildtype (WT) or *tff2*<sup>-/-</sup> homozygotes (Tff2).** Micrographs of H&E-stained sections from tissues removed 48 h after colonization or sham-colonization (broth vehicle alone) of P9 pups: A, sham-colonized PSI; B, A192PP-colonized PSI; C, sham-colonized MSI; D, A192PP-colonized MSI; E, sham-colonized DSI; F, A192PP-colonized DSI; G, sham-colonized distal colon; H, A192PP-colonized distal colon.

Amplicon	Forward primer	Concentration	Reverse primer	Concentration	Annealing temperature	Efficiency
<i>rsp23</i>	TGTGTCAGGGTGCAGCTCATTAAGAACG	200 µm	CTTTGCGACCAAATCCAGCAACCAGAAC	200 µm	60°C	97.20%
<i>tff1</i>	CAAGGTGACCTGTGTCCTC	200 µm	CTTGCTGGTTCTCAATGACC	200 µm	60°C	99.50%
<i>tff2</i>	GGCATCACCAGTGACCAGTGCTTTAATC	200 µm	GCAGTGCCCTTCAGTAGTGACAATCATC	200 µm	60°C	99.75%
<i>tff3</i>	ATGGAGACCAGAGCCTTCT	200 µm	GGATGCTGGAGTCAAAACAG	200 µm	60°C	100.00%
<i>defaRS1</i>	GACCAGGATGTGTTCTGTCTCCTTTG	100 µm	TGTGGACCTTGATAGCCGAATGC	100 µm	60°C	94.71%
<i>defa24</i>	TGATGAGCAGCCAGGGAAAGAG	400 µm	TCAGCGGCAACAGAGTATGAGC	400 µm	60°C	111.00%
<i>TNF-α</i>	ACTCCAGAAAAGCAAGC AA	100 µm	CGAGCAGGAATGAGAAGAGG	100 µm	59°C	104.40%
<i>IFN-γ</i>	ATGAGTGCTACACGCCGCTTGG	900 µm	GAGTTCATTGACAGCTTTGTGCTGG	900 µm	59°C	113.00%

**TABLE S1. Primers used for RT-PCR**

