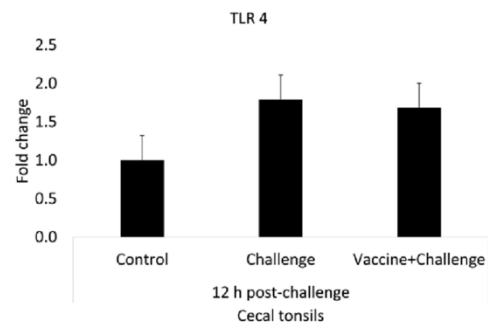
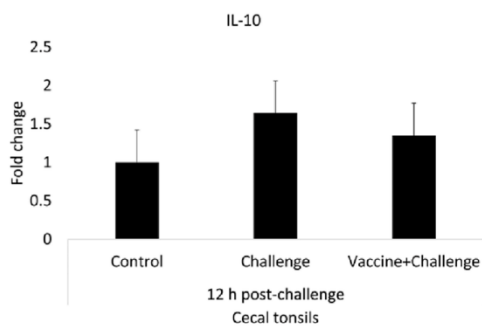


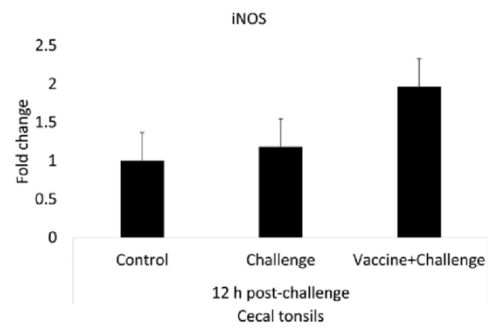
**(A)**



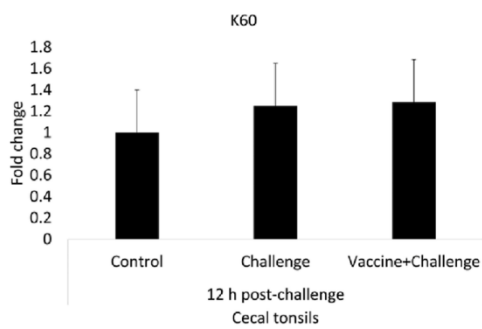
**(B)**



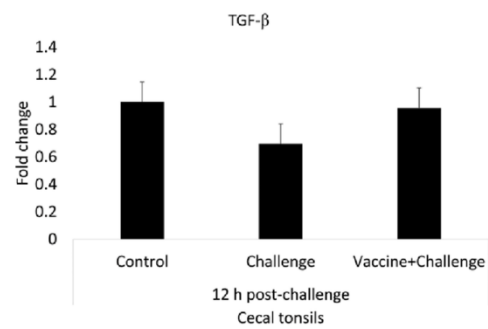
**(C)**



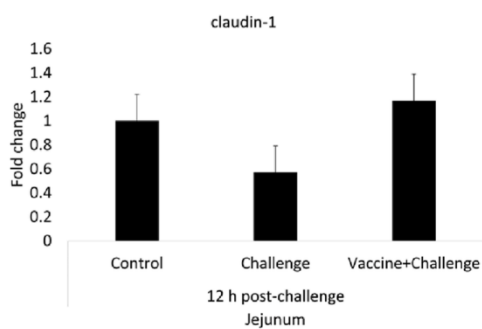
**(D)**



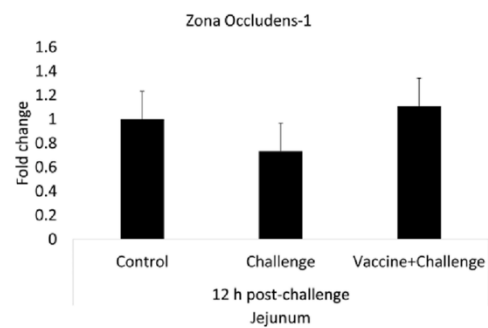
**(E)**



**(F)**



**(G)**



**(H)**

**Supplementary Figure 6. The Effects of *Salmonella* CNP Vaccine on Gene Expression in the Cecal Tonsils or Jejunum of Vaccinated Birds at 12 h post-challenge.** At d1 of age birds were allocated into treatment groups: 1) Control; 2) Challenge; or 3) Vaccine + Challenge. At d1 and d7 of age birds in the negative and positive control groups were mock vaccinated with PBS and birds in the treatment group were vaccinated with CNP. At d14 of age birds in the negative control group were given a mock challenge of 0.5 mL PBS/bird and birds in the positive control and the treatment group were orally challenged with  $1 \times 10^7$  CFU/bird of *S. Enteritidis*. Cecal tonsils and jejunum samples were collected from one bird/pen (n=6) at 12 h post-challenge. Data represented as fold change compared to control. **(A)** IFN- $\gamma$  mRNA; **(B)** TLR 4 mRNA; **(C)** IL-10 mRNA; **(D)** iNOS mRNA; **(E)** K60 mRNA; **(F)** TGF- $\beta$  mRNA; **(G)** Claudin-1 mRNA; **(H)** Zona Occludens-1 mRNA. Bars (+SE) with no common superscript differ (P<0.05).