

Supplemental Figure Legends

Supplemental Figure 1

Colony forming units (cfu)/g tissue of *Hif1a*^{IEC} and *Hif1a*^{MC} animals compared to their wildtype littermates 4 days post infection. Non normalized cfu counts in indicated organs of (A) *Hif1a*^{IEC} ($n=7$) and (B) *Hif1a*^{MC} ($n=6$) mice and wildtype littermates. Data represent means with SEM. Statistical significance was determined according to Mann-Whitney U test (A, B).

Supplemental Figure 2

Pathoscore and macrophage infiltration in the healthy and *Salmonella* infected small intestine and colon of wildtypes and knock-outs utilized in this study.(A) Pathoscore of small intestines and colons of healthy controls (Ctrl) and 4 days p.i. with *Salmonella* (*S. Tm*). Measured were edema/enlargement of the submucosa, neutrophil infiltration, goblet cell numbers as well as epithelial damage. Representative images of small intestines (B) and colons (C) 4 days post oral PBS administration (control) or *S. Tm* infection (p.i.) stained for F4/80 hematoxylin counterstaining of healthy control animals and 4 days p.i. (wildtype, *Hif1a*^{IEC}, *Hif1a*^{MC}).

Supplemental Figure 3

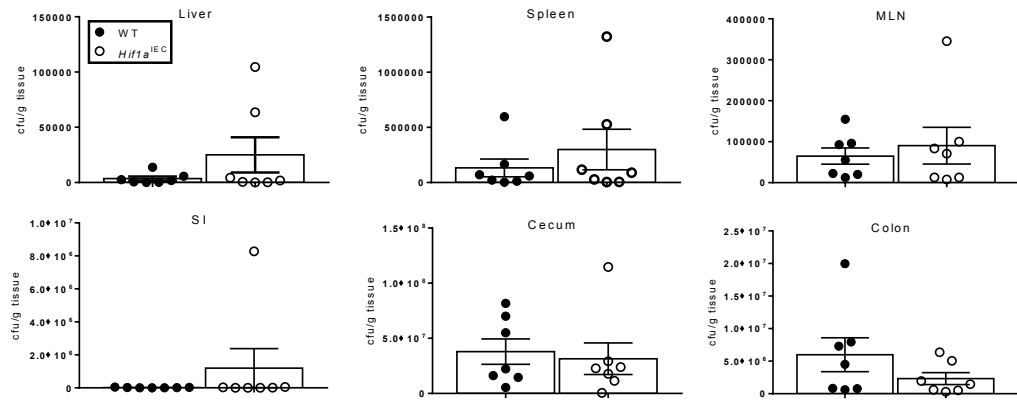
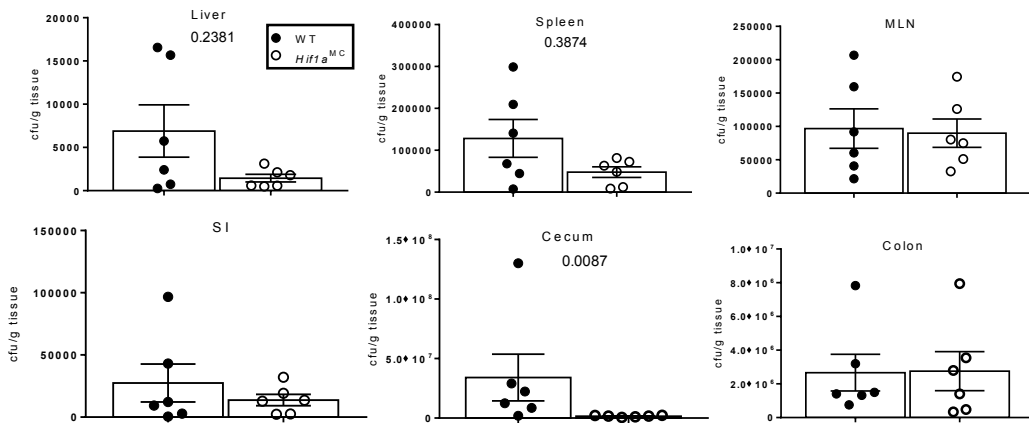
***Salmonella*-induced HIF-1 α and HIF-2 α stabilization in wildtype and knock-out IECs and BMDMs.** (A) HIF-2 α and (B) HIF-1 α western blots of nuclear extracts of IECs of uninfected controls and infected (4 days p.i.) WT littermates and *Hif1a*^{IEC} mice ($n=3$) and (C) WT and *Hif1a*^{IECind} animals harboring a Tamoxifen-inducible HIF-1 α knock-out in IECs ($n=2$). (D) *Hif1a* mRNA expression relative to β -actin upon *Salmonella* (*S. Tm*) infection in WT and *Hif1a*^{IECind} IECs ($n=3$). (E) HIF-2 α western blot of nuclear extracts of uninfected ($n=2$) and infected (4 hours; MOI 10; $n=3$) BMDMs isolated from WT and *Hif1a*^{MC} mice. Data represent means with SEM. * $P < 0.05$ according to Mann-Whitney U test (D).

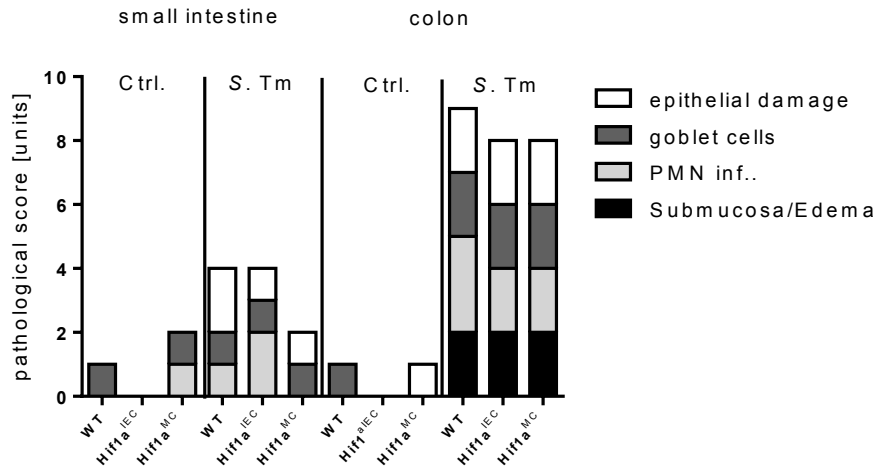
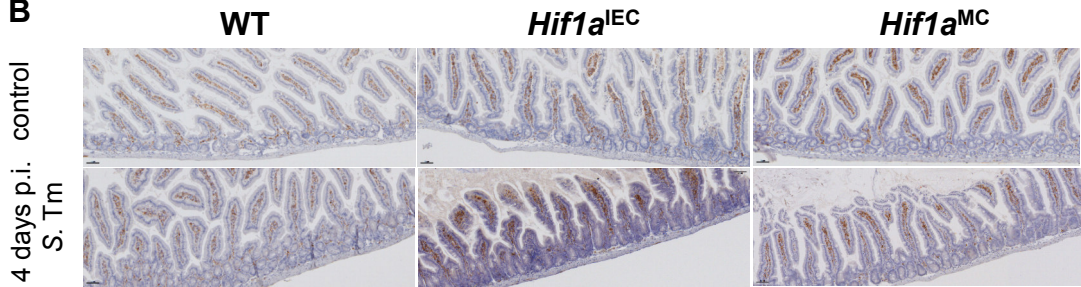
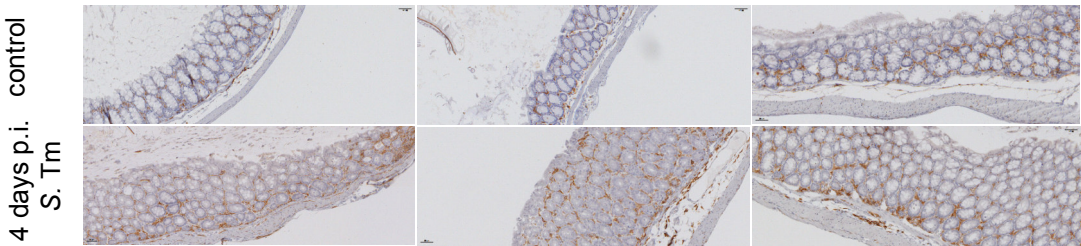
Supplemental Figure 4

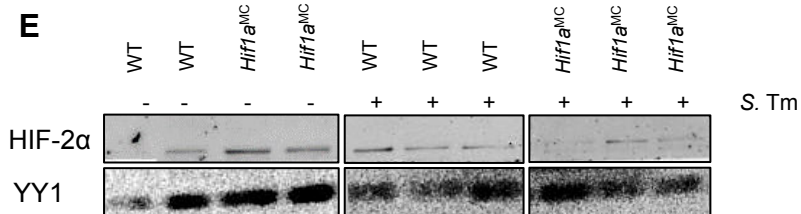
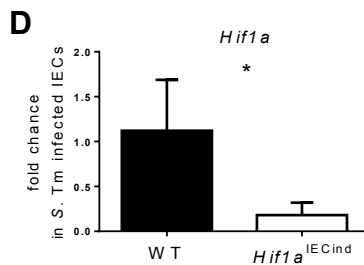
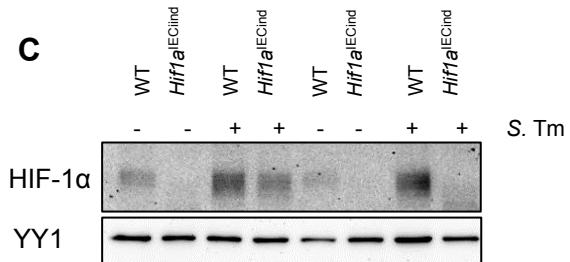
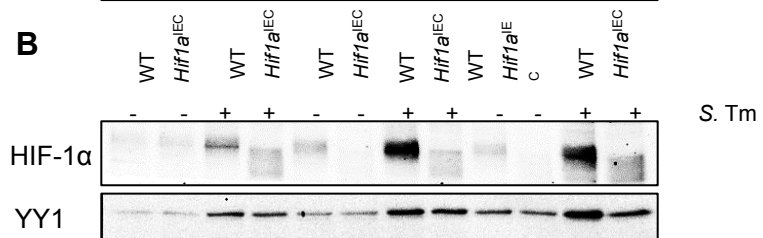
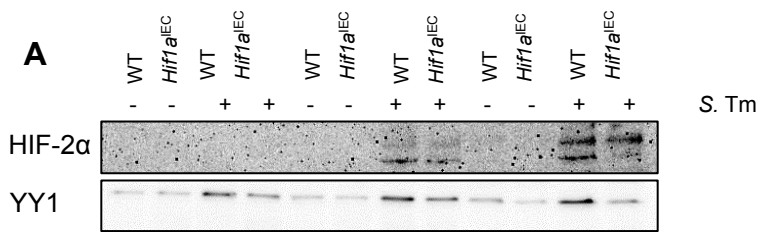
FACS-based Leukocyte Quantification in lamina propria of uninfected WT littermates, *Hif1a*^{IEC} and *Hif1a*^{MC} animals. (A) Gating strategy for DC and myeloid cell gating. Counts of Neutrophils, including P1 and P2 Neutrophils, Eosinophils and Macrophages in the small intestinal Lamina propria of (B) *Hif1a*^{IEC} and (C) *Hif1a*^{MC} mice and their WT littermates ($n=3$). Data represent means with SEM. * $P < 0.05$; ** $P < 0.01$; *** $P < 0.001$ according to Mann-Whitney U test (B, C).

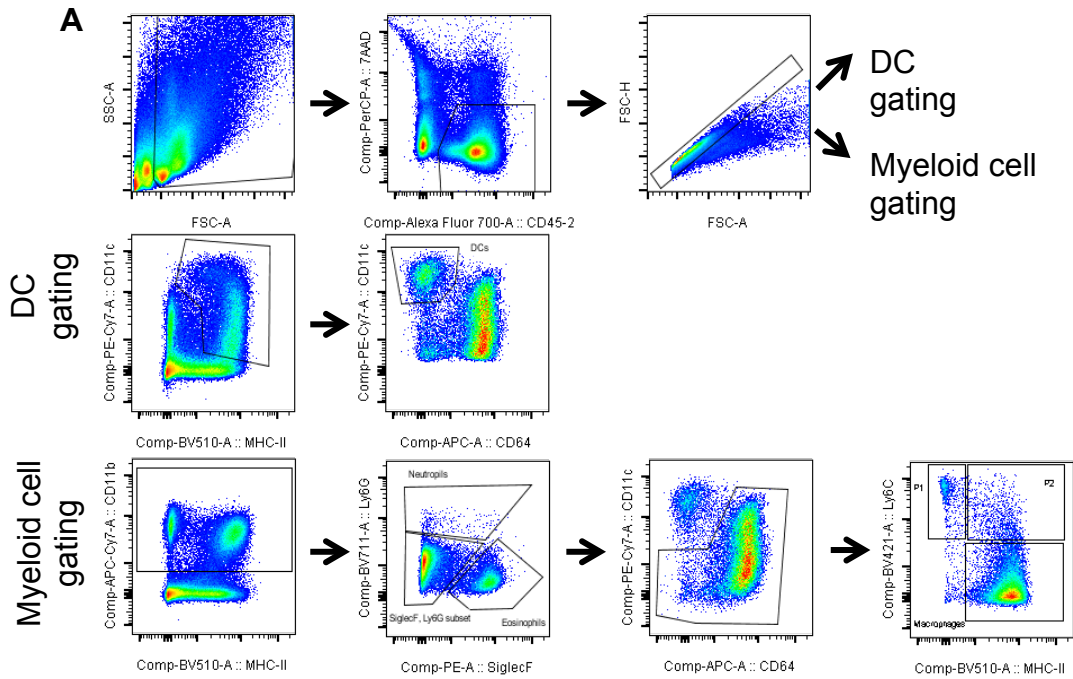
Supplemental Figure 5

SPI-2 deficiency in *Salmonella* does not interfere with intracellular HIF-1-dependent bactericidal functions of Macrophages (A) Intracellular survival of *Salmonella* in bone marrow derived WT and HIF-1 α deficient (*Hif1a*^{MC}) macrophages within 4 hours of infection utilizing wildtype *Salmonella*, a Δ *sseB* mutant and the complemented strain Δ *sseB**psseB* ($n=3$). Data represent means with SEM. * P < 0.05; ** P < 0.01; *** P < 0.001 according to one-way analysis of variance followed by Tukey post hoc test (A, B).

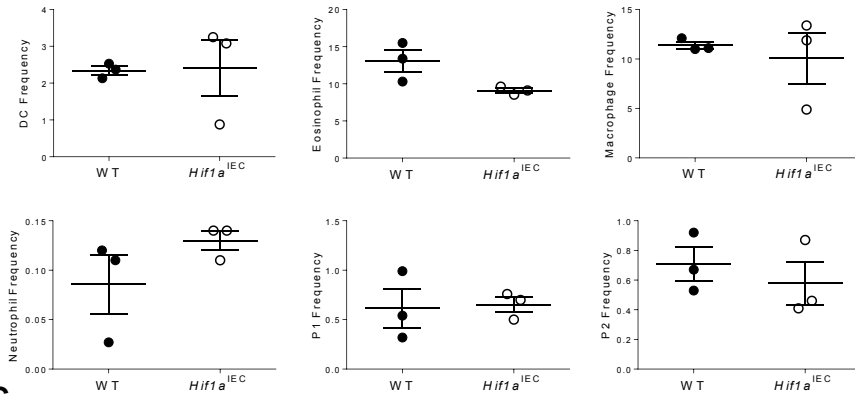
A***Hif1a*^{IEC}****B*****Hif1a*^{MC}**

A**B****C**

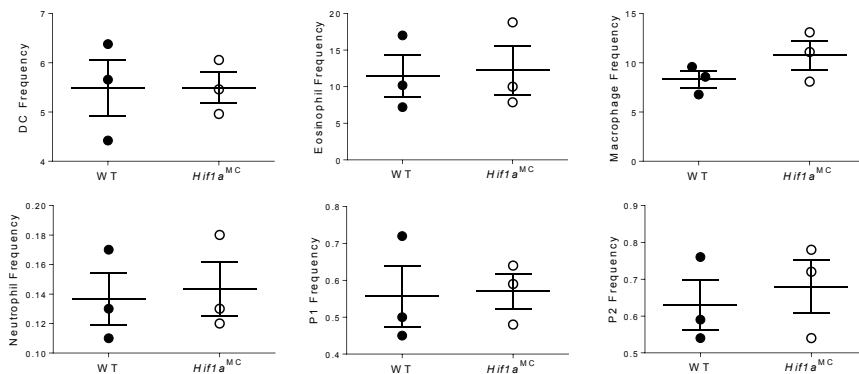




B Leukocytes in Lamina Propria of healthy WT and *Hif1a*^{IEC} mice



C Leukocytes in Lamina Propria of healthy WT and *Hif1a*^{MC} mice



Salmonella

