

Supplemental Material

Supplemental Figure S1: Stat1 expression and Stat1 phosphorylation in wt and IRF9-deficient mice. **A)** Q-PCR analysis of Stat1 mRNA expression in colon tissue of healthy or 5d DSS treated WT and IRF9^{-/-} mice normalized to housekeeping gene OAZ1. Data are presented as mean +/- SEM *p < 0.05, **p < 0.01; Mann Whitney U test. **B)** Representative western blot analysis (2 samples from different mice each) of total Stat1 levels in mesenteric lymph nodes, spleens and colons of WT and Irf9^{-/-} mice (upper six panels). The bottom panels show colonic Stat1 levels of mice 5days after DSS treatment. **C)** Stat1 phosphorylation upon IFN γ treatment in isolated colon epithelial cells (3 samples each).

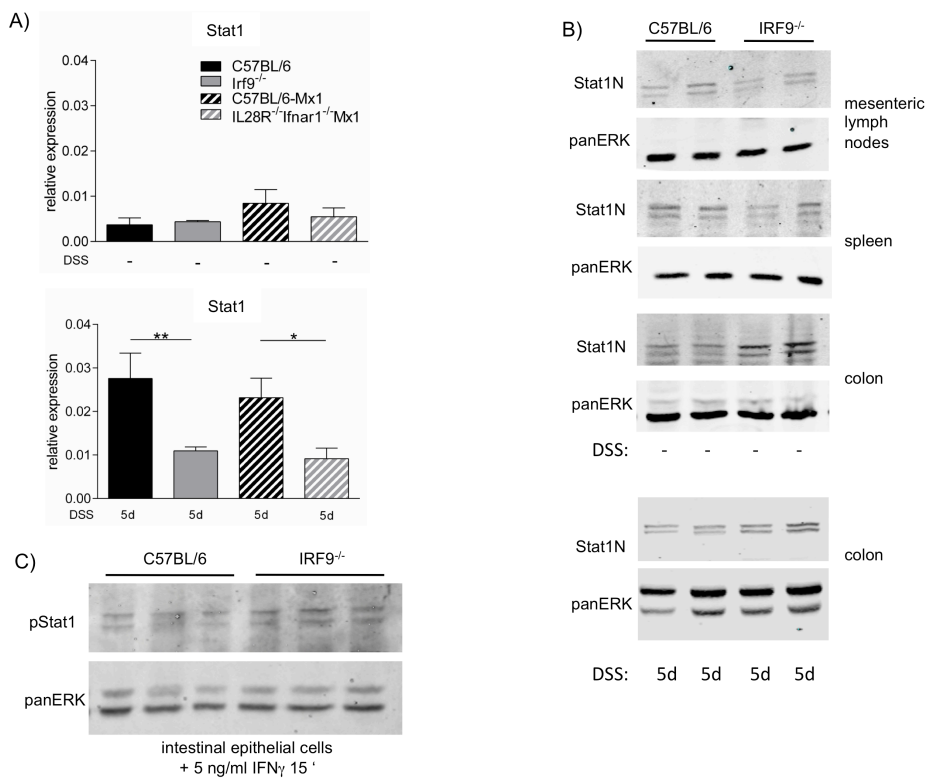


Table S1. Primer sequences used for q-PCR and ChIP

Gene name	Forward primer (5'->3')	Reverse primer (5'->3')
IFN-III (IFN12 and IFN13)	AGCTGCAGGCCTTCAAAAAG	TGGGAGTGAATGTGGCTCAG
IL28R α	TGCAGATTCCTCTCCAGCAA	GTCTTCACCCCCTGAAACCA
OAZ1 (housekeeping gene)	GTGGTGGCCTCTACATCGAG	AGCAGATGAAAACGTGGTCAG
IRF1	TGCTGTGCTGCTGGTCTT	CCTTCATTCCGTCCTGTCCTT
IRF7	ATTTTCGGTCGTAGGGATCTGG	GCACAGCGGAAGTTGGTCT
IFIT2	AGAACCAAACGAGAGAGTGA AG	TCCAGACGGTAGTTCGCAATG
GBP2	ACAACCTCAGCTAACTTTGTGGG	TGATACACAGGCGAGGCATATTA
DDX58	AAGAGCCAGAGTGTCAAGAATC	AGCTCCAGTTGGTAATTTCTTGG
ISG15	AGTGATGCTAGTGGTACAGAA CT	CAGTCTGCGTCAGAAAGACCT
CXCL9	GGCACGATCCACTACAAATCC	GGTTTGATCTCCGTTCTTCAGT
CXCL10	TGCGAGCCTATCCTGCCACGTG	CCGGGGTGTGTGCGTGGCTTCA
CXCR3	TACCTTGAGGTTAGTGAACGTCA	CGCTCTCGTTTTCCCATAATC
CIITA	TGCGTGTGATGGATGTCCAG	CCAAAGGGGATAGTGGGTGTC
Cxcl10 E1 ChIP	GAGAGAAGGAAGATGAGAATTAAGC	GCAACCCGAGGGAAGTC
Cxcl10 E2 ChIP	GCCTCTGCTTCTGAGCTTCTTCTAAG	GGCACATTTGCTTCGCTAGTATTTATTC
Mx2 IFN response region ChIP	ACCCAGCCAAGGCCCCCTTA	GCAGCTGCCAGGGCTCAGAC