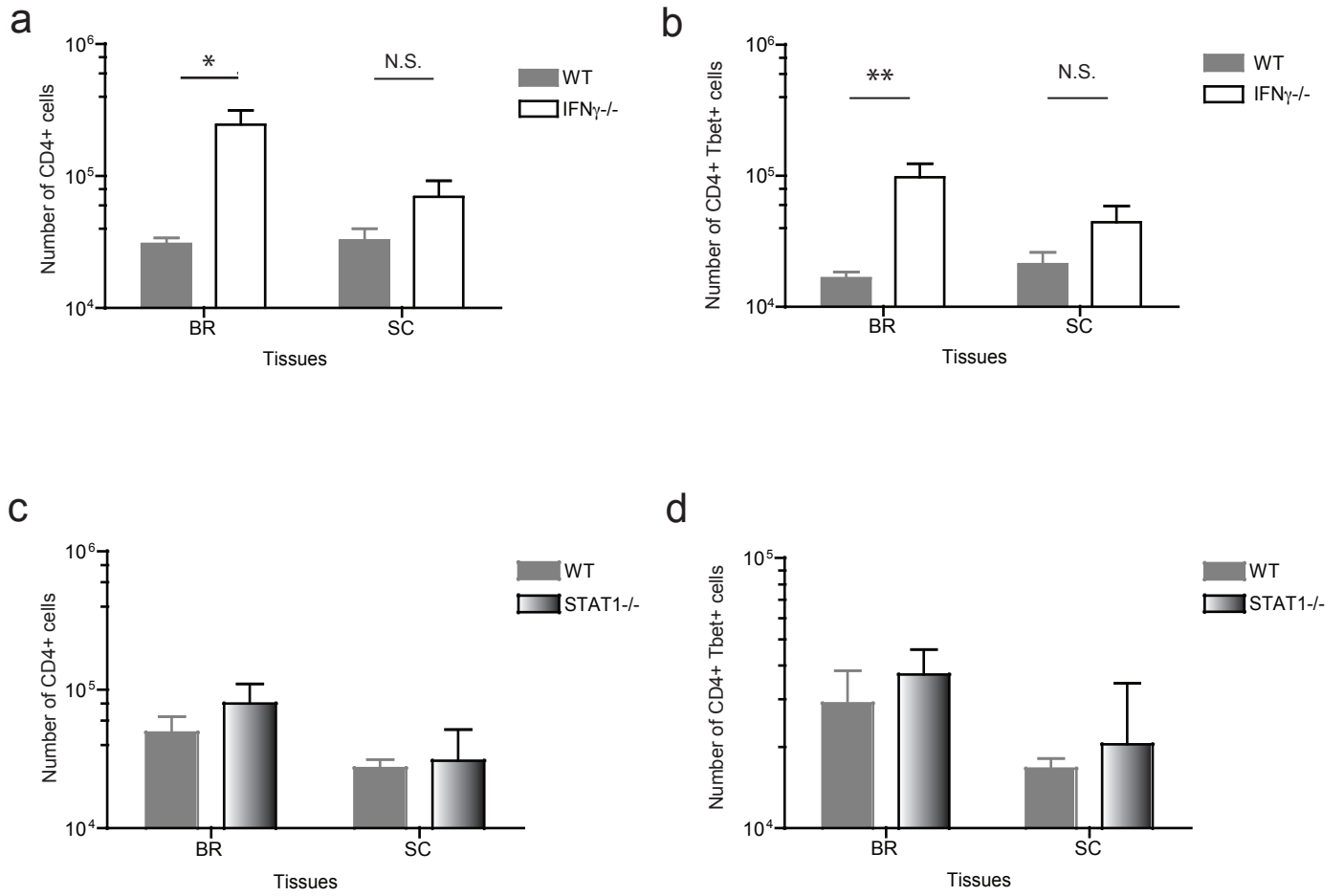


SUPPLEMENTAL FIGURE LEGENDS

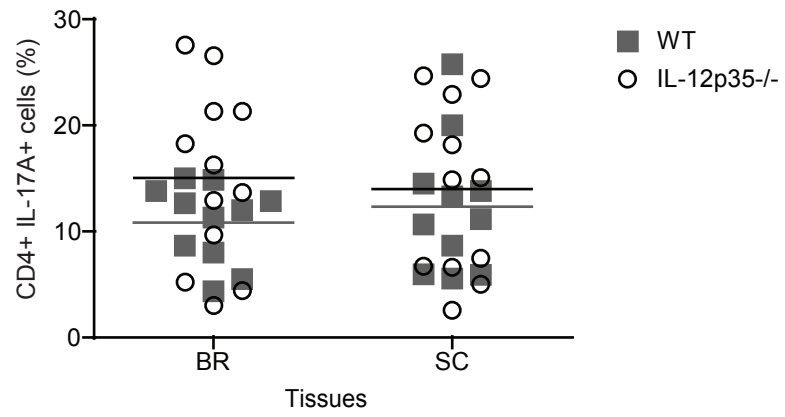
Supplemental Figure 1. CD4 T cell numbers from the brains and spinal cords of mice during EAE. (a,b) EAE was induced in WT and IFN γ -deficient mice by MOG immunization and the numbers of (a) CD4 T cells and (b) Tbet-positive CD4 T cells were enumerated from BR and SC on d20; data is cumulative of two independent experiments. (c,d) WT and STAT1-deficient mice (B6 genetic background) were immunized with MOG peptide and the numbers of (c) CD4 T cells and (d) Tbet-positive CD4 T cells were enumerated from BR and SC on d20. Data shown is from one experiment.

Supplemental Figure 2. IL-12 levels minimally impact the frequency of IL-17A-producing CD4 T cells. EAE was induced in WT and IL-12p35-deficient mice (a) without or (b) with anti-IFN γ treatment and the production of IL-17A in CD4 T cells was analyzed after restimulation with PMA/ionomycin by flow cytometry. Data are cumulative of two independent experiments; * p <0.05.

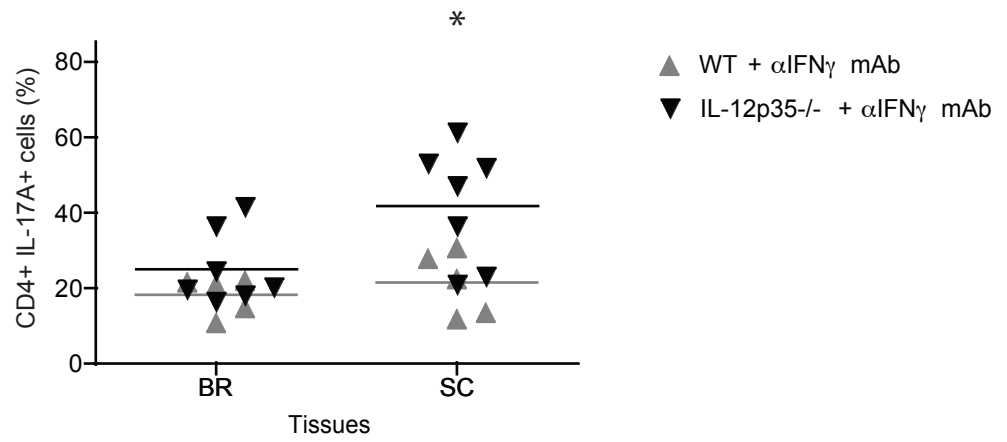


Supplemental Figure 1

a



b



Supplemental Figure 2

Table S1. Real-time PCR primer sets

Name	Sequence
Tbet forward	5'-ACCAGAGCGGCAAGTGGG-3'
Tbet reverse	5'-TGGACATATAAGCGGTTCCCTG-3'
STAT4 forward	5'-CTGGGAGTAAAGGAAACGAGG-3'
STAT4 reverse	5'-GCTGGTCTCTAGGTTAATGGTG-3'
IL-12R β 2 forward	5'-CCTCTTAACAGCACGTCCTGG-3'
IL-12R β 2 reverse	5'-GGTCTCAGATCTCGCAGGTCA-3'
CXCR3 forward	5'-GAGTATGACGATTCTGCTGAGG-3'
CXCR3 reverse	5'-CAGACCGAACGTGAAGACGAG-3'
IL-18R forward	5'-TGCTTGTTCTCGCCTCTGTG-3'
IL-18R reverse	5'-ACCATCTGTTAGTGTCTCGTCTC-3'
IL-21 forward	5'-AAGATTCCTGAGGATCCGAGAAG-3'
IL-21 reverse	5'-GCATTCGTGAGCGTCTATAGTGTG-3'
IL-23R forward	5'-GCCAAGAGAACCATTCCCGA-3'
IL-23R reverse	5'-TCAGTGCTACAATCTTCAGAGGACA-3'
ROR γ t forward	5'-CCGCTGAGAGGGCTTCAC-3'
ROR γ t reverse	5'-TGCAGGAGTAGGCCACATTACA-3'
IL-17A forward	5'-CTCCAGAAGGCCCTCAGACTAC-3'
IL-17A reverse	5'-GGGTCTTCATTGCGGTGG-3'
AHR forward	5'-CGCCTCCGGGACGCAGGTGG-3'
AHR reverse	5'-AAAGAAGCTCTTGGCCCTCAG-3'
Gata-3 forward	5'-CAGAACCGGCCCTTATC-3'
Gata-3 reverse	5'-CATTAGCGTTCCTCCTCCAGA-3'
Foxp3 forward	5'-TTCATGCATCAGCTCTCCAC-3'
Foxp3 reverse	5'-CTGGACACCCATTCCAGACT-3'
IL-10 forward	5'-ATGAGTTTTTCCCTTATGGGGAC-3'
IL-10 reverse	5'-GCTGGAAGTTGGACACCTCAA-3'
β 2M forward	5'-CCTGCAGAGTTAAGCATGCCAG-3'
β 2M reverse	5'-TGCTTGATCACATGTCTCGATCC-3'

Table S2. Encephalitogenicity in EAE induced mice deficient in various Th1-associated factors and WT mice as control.

	Incidence	Day on onset	Maximum score
WT^a	66% (6/9)	16± 2.9	1.75± 1.26
STAT1-/-^a	89% (8/9)	12± 1.3	2.65± 1.50
WT^b	100% (13/13)	12.2± 2.8	2.71± 0.77
IL-12p35-/-^b	100% (15/15)	13.9± 2.5	2.5± 1.20
WT^b +αIFNγ mAb	100% (5/5)	11.4± 1.1	1.65± 0.99
IL-12p35-/-^b + αIFNγ mAb	100% (7/7)	10.3± 1.8	3.25± 1.14

^aMice are in 129S6 background.

^bMice are in C57BL/6J background.

Supplemental Table 2