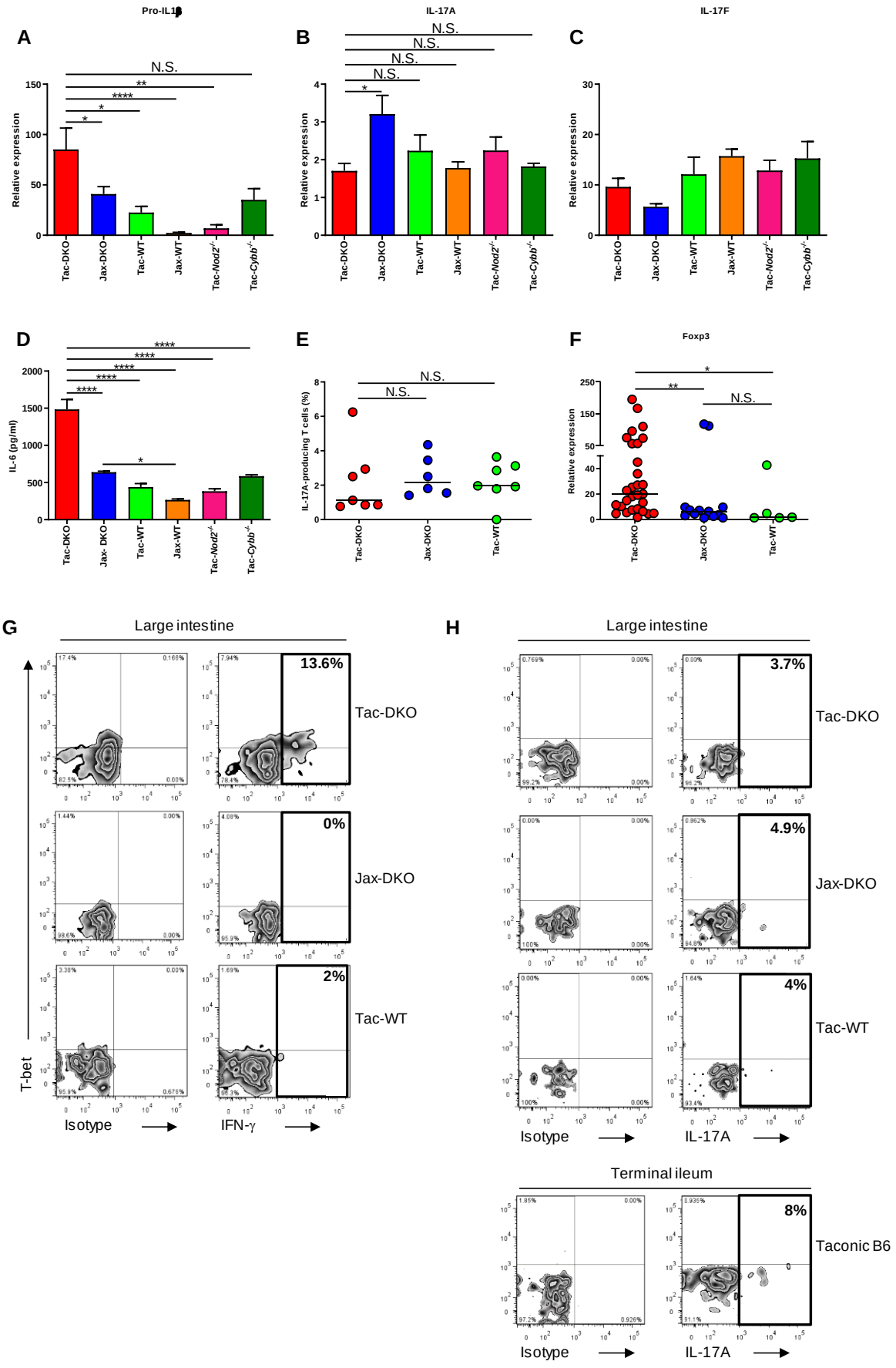
A
Pro-IL1β
Relative expression
N.S.
Tac-DKO
Jax-DKO
Tac-WT
Jax-WT
Tac-Nod2-/-
Tac-Cybb-/-
B
IL-17A
C
IL-17F
D
IL-6 (pg/ml)
E
IL-17A-producing T cells (%)
F
Foxp3
G
Large intestine
13.6%
0%
2%
Tac-DKO
Jax-DKO
Tac-WT
T-bet
Isotype
IFN-γ
H
3.7%
4.9%
4%
IL-17A
Terminal ileum
8%
Taconic B6

Fig. S4. CD-like inflammation in *Nod2*$^{-/-}$*Cybb*$^{-/-}$ mice is characterized by T_H1 immune responses. (A to **C**) LPMCs were isolated from 4-6-week-old fostered mice. Gene expression was assessed by qPCR and normalized to GAPDH expression. Mean ± SEM of at least 5 individual mice. Data are pooled from four independent experiments. (**D**) Total LPMCs from 4-6-week-old fostered mice were cultured for 12 hrs. IL-6 from culture supernatant was measured by ELISA (at least 3 individual mice each group). Data are mean ± SEM; data are pooled from two independent experiments. (A to D) One-way ANOVA followed by Tukey's multiple comparisons test (*P<0.05; **P<0.01; ****P<0.0001; N.S. not significant). (**E**) Percentages of IL-17A-producing $CD4^+$T cells isolated from 4-6-week old Tac-DKO (n=7), Jax-DKO (n=6) and Tac-WT (n=7). Each dot represents an individual mouse. Bars show median; data are pooled from three independent experiments. N.S. not significant by Kruskal-Wallis test followed by Dunn's multiple comparisons test. (**F**) LPMCs were isolated from 4-6-week-old fostered mice. Gene expression was assessed by qPCR and normalized to GAPDH expression. Each dot represents an individual mouse (at least 5 individual mice each group). Bars show median. Data are pooled from four independent experiments. *P<0.05; **P<0.01; N.S. not significant by Kruskal-Wallis test followed by Dunn's multiple comparisons test. (**G** and **H**) Flow cytometry of $CD4^+$ T cells ($CD45^+CD3^+CD4^+$) stained intracellularly for IFN-γ (G) and IL-17A (H). LPMCs from the terminal ileum of Taconic C57BL/6 mice (Taconic B6) were utilized as positive control for IL-17A intracellular staining.