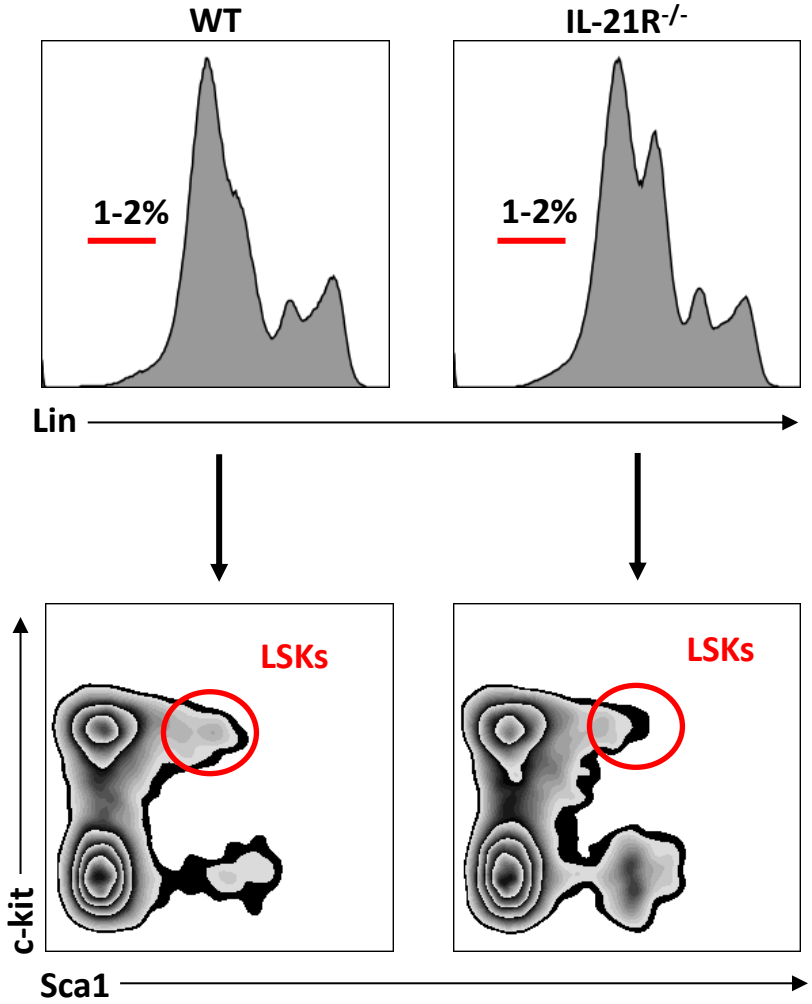

Figure S1: Gating strategies for LSKs. BM cells collected from WT or IL-21R$^{-/-}$ C57BL/6 mice were treated *in vitro* for proliferation then stained with the Lin^{-}Sca1^{+}c-kit^{+} antibody cocktail prior to Ki-67^{+} incorporation analysis. All described experiments were conducted at least three times with n=5/goup.

FIGURE S1

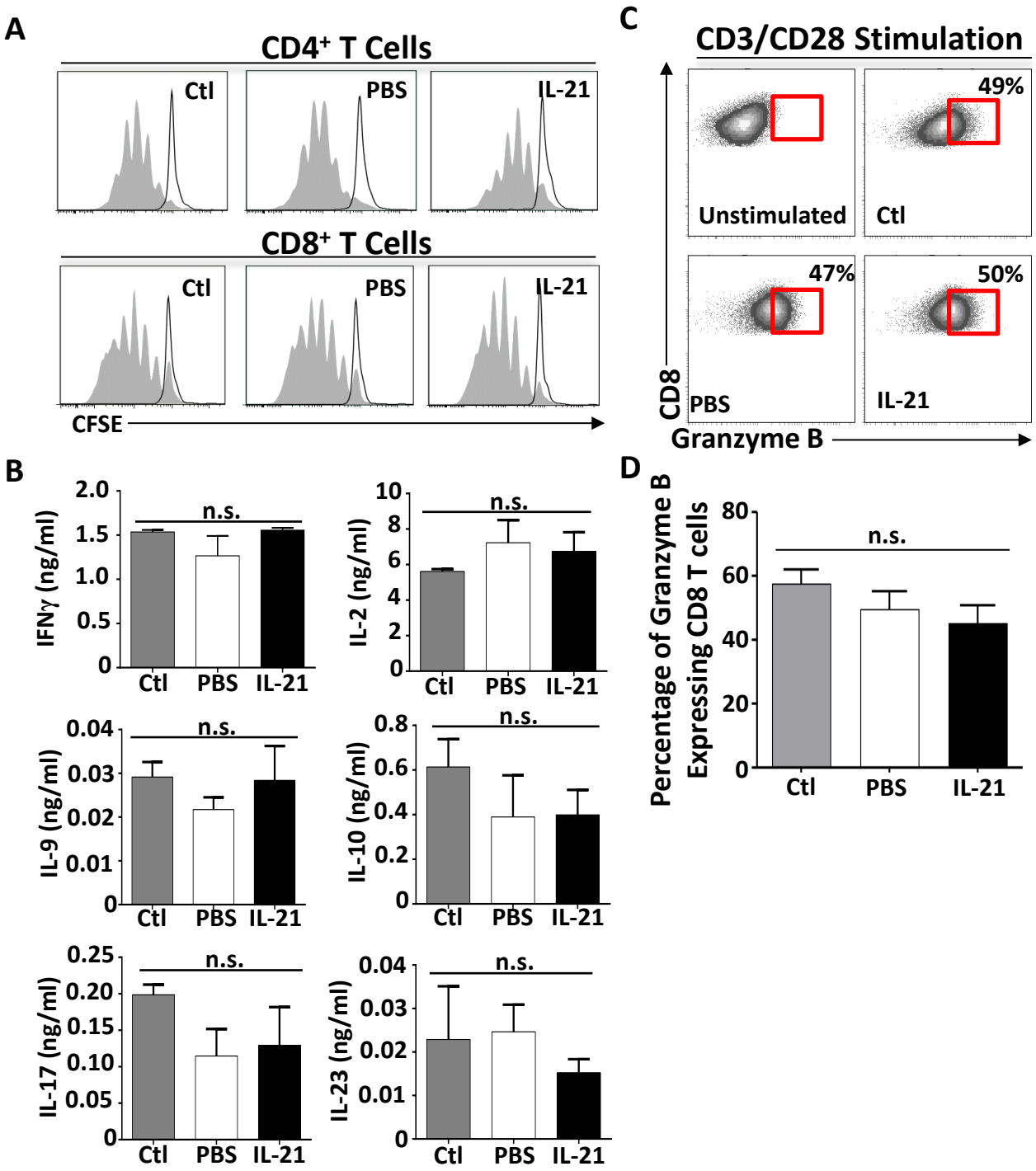

Figure S2: Functional characterization of T cells. (**A**) Representative cell trace dilution analysis on CD4+ or CD8+ T cells derived from ctl (unirradiated), PBS- or IL-21-treated LP/J recipient mice. (**B**) Cytokine quantification by ELISA from T cells derived from the same groups described in panel (**A**). (**C**) Representative flow-cytometry analysis of Granzyme B expression. (**D**) Quantification of T cells expressing granzyme B. For all presented studies, T cells were stimulated with CD3-CD28 dynabeads for 48 hrs prior to analyses. All described experiments were conducted at least three times with an n=5/group.

FIGURE S2

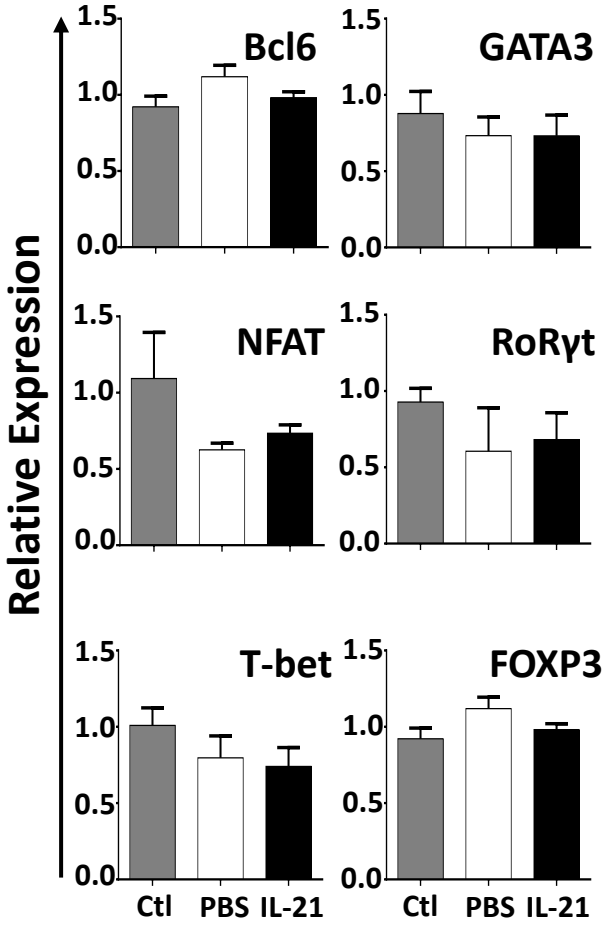

Figure S3: Molecular characterization of T cells. T cells sorted from ctl, PBS- or IL-21-treated LP/J recipient mice were analyzed for their expression of various transcription factors involved in T-cell differentiation. All described experiments were conducted at least three times with n=5/goup.

FIGURE S3

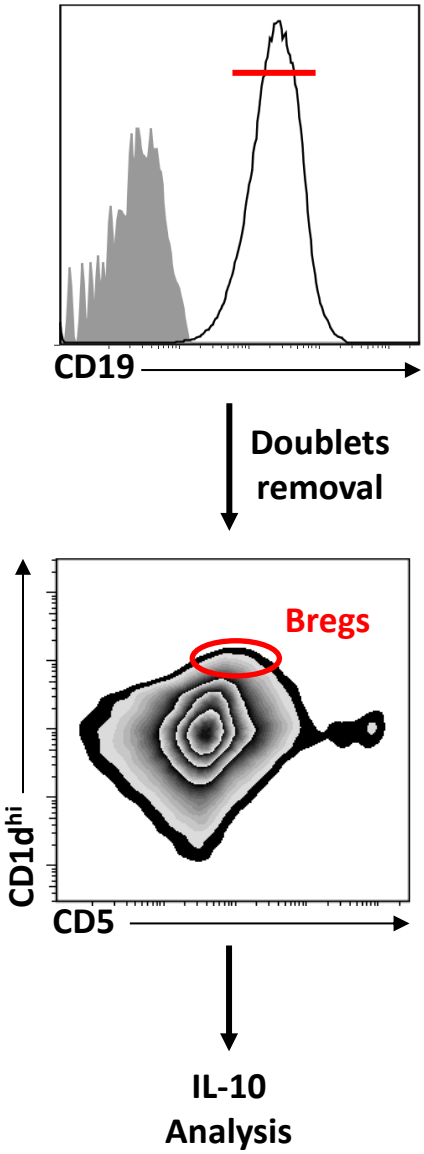

Figure S4: Gating strategies for Bregs analysis. For detection of IL-10-producing Bregs, $CD19^{+}$ B cells were first isolated from spleens of treated mice (isotype shown by the filled grey histogram) then stained after *in vitro* treatment with CD1d and CD5 antibodies. The B-cell subset $CD1d^{hi}CD5^{+}$ was gated prior to IL-10 assessment by intracellular staining. All described experiments were conducted at least three times with n=5/goup.

FIGURE S4