Supporting Information

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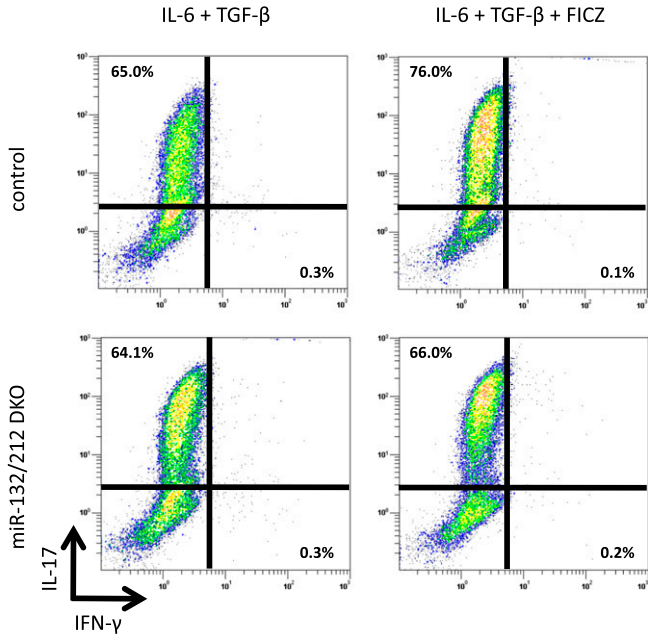

Fig. S1. The microRNA (miR)-132/212 cluster participates in the promotion of IL-17–producing helper T (T_H17) cell generation by 6-formylindolo[3,2-b] carbazole (FICZ). Purified naïve T cells from control (*Upper*) or miR-132/212 cluster double-knockout (miR-132/212 DKO) mice (*Lower*) were stimulated with plate-bound anti-CD3 and soluble anti-CD28 in the presence of IL-6 and TGF-β, with (*Right*) or without (*Left*) FICZ, for 4 d in Iscove's modified Dulbecco's medium. Neutralizing antibodies to IFN-γ, IL-4, and IL-2 were added. Frequencies of IFN-γ– and IL-17–positive cells were determined by flow cytometry. Dot plots and values are representative of at least three independent experiments.

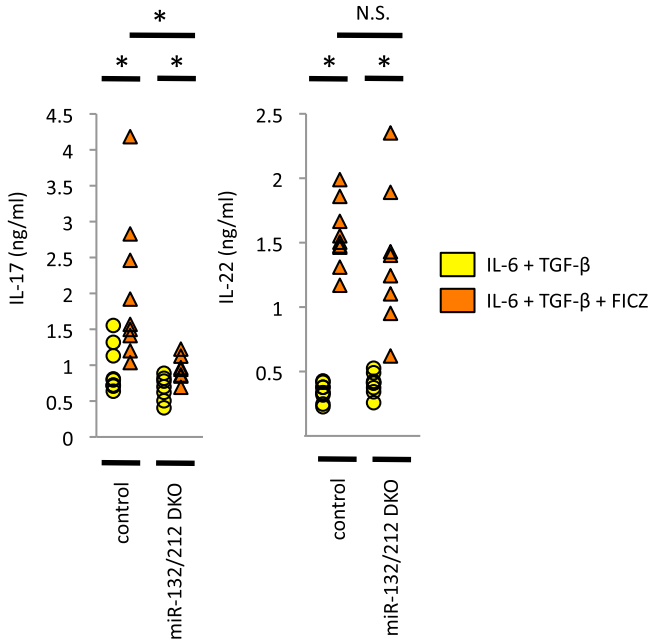

Fig. S2. miR-132/212 cluster deficiency inhibits stimulation of IL-17 production by FICZ. Supernatants were collected 3 d after stimulation with or without FICZ in the presence of anti-CD3/CD28 beads, the indicated cytokines, and neutralizing antibodies against IFN-γ and IL-4. Production of IL-17 (*Left*) and -22 (*Right*) was measured by ELISA. Data show means ± SD of at least three independent experiments. *$P < 0.05$; N.S., not significant.

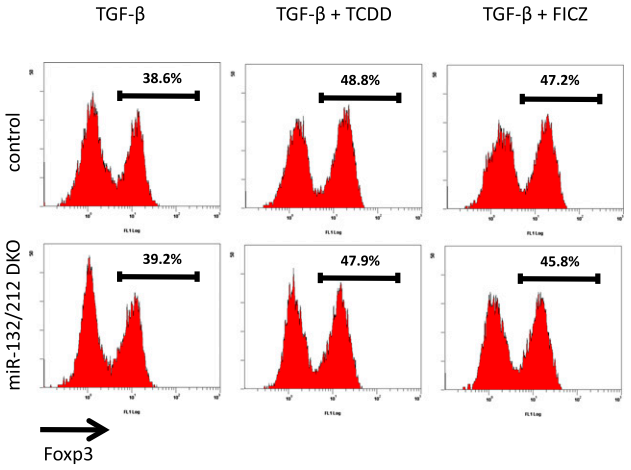

Fig. S3. miR-132/212 cluster deficiency has no effect on T_{reg} differentiation. Isolated naïve T cells from control (*Upper*) or miR-132/212 DKO mice (*Lower*) were stimulated with anti-CD3/CD28 beads in the presence or absence (*Left*) of 2,3,7,8-tetrachlorodibenzo-p-dioxin (*Center*) or FICZ (*Right*) for 3 d. The cultures were supplemented with TGF-β and anti–IFN-γ and –IL-4 antibodies. Foxp3 expression level was determined by staining with anti-Foxp3 antibody. Data and values are representative of at least three independent experiments.