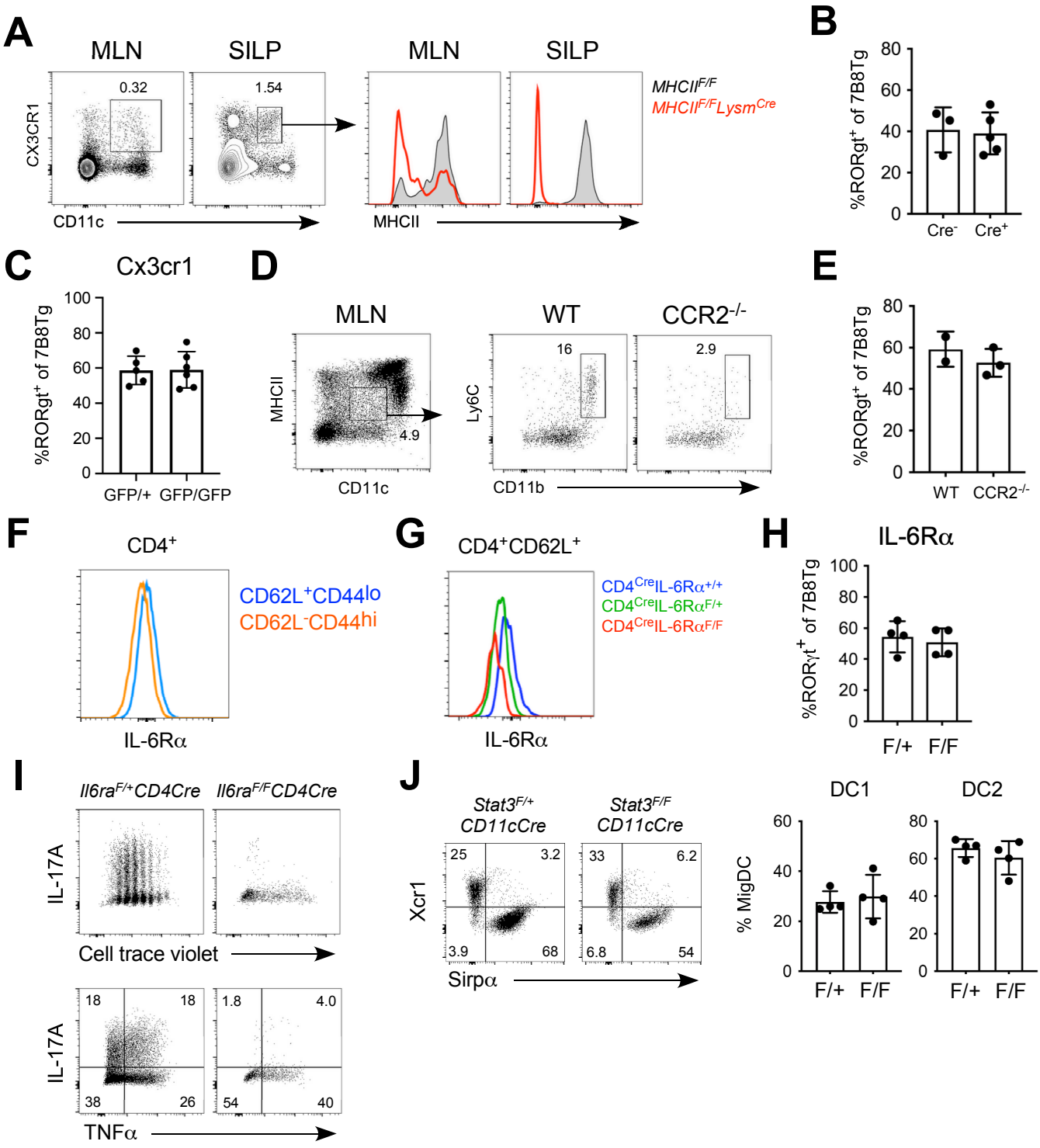

Figure S1. Macrophages and T cell-intrinsic IL-6R expression are not essential in MLN Th17 priming. (A) Loss of MHCII expression on CX3CR1^{+} macrophages in MHCII$^{f/f}$Lysm^{Cre} mice. **(B)** 7B8Tg activation in the MLN of MHCII^{flf}Lysm^{Cre} mice on day 3 post adoptive transfer. **(C)** 7B8Tg activation in the MLN of CX3CR1$^{gfp/gfp}$ mice on day 3 post adoptive transfer. **(D)** Loss of monocytes in CCR2$^{-/-}$ mice. **(E)** 7B8Tg activation in the MLN of CCR2$^{-/-}$ mice on day 3 post adoptive transfer. **(F)** IL-6Rα expression on MLN CD4 T cells. **(G)** Loss of IL-6Rα expression on MLN CD4 T cells in IL-6Ra$^{f/f}$CD4^{Cre} 7B8Tg mice. **(H)** IL-6Rα$^{f/f}$CD4^{Cre} 7B8Tg activation in the MLN of C57BL/6 mice on day 3 post adoptive transfer. **(I)** Requirement for IL-6Rα expression by *in vitro* differentiated Th17 cells. Naïve IL-6Rα$^{f/f}$CD4^{Cre} 7B8Tg cells were activated by plate-bound anti-CD3e/anti-CD28 in the presence of IL-6 and TGFβ with fresh media and cytokines every 3 days. One week later, cells were restimulated with PMA and ionomycin in the presence of brefeldin A and stained for intracellular cytokines. **(J)** Normal distribution of DC1 and DC2 in the MLN of Stat3$^{f/f}$CD11c^{Cre} mice. Data shown are representative of 2 independent experiments with 2-4 mice in each group, error bars indicate SEM.

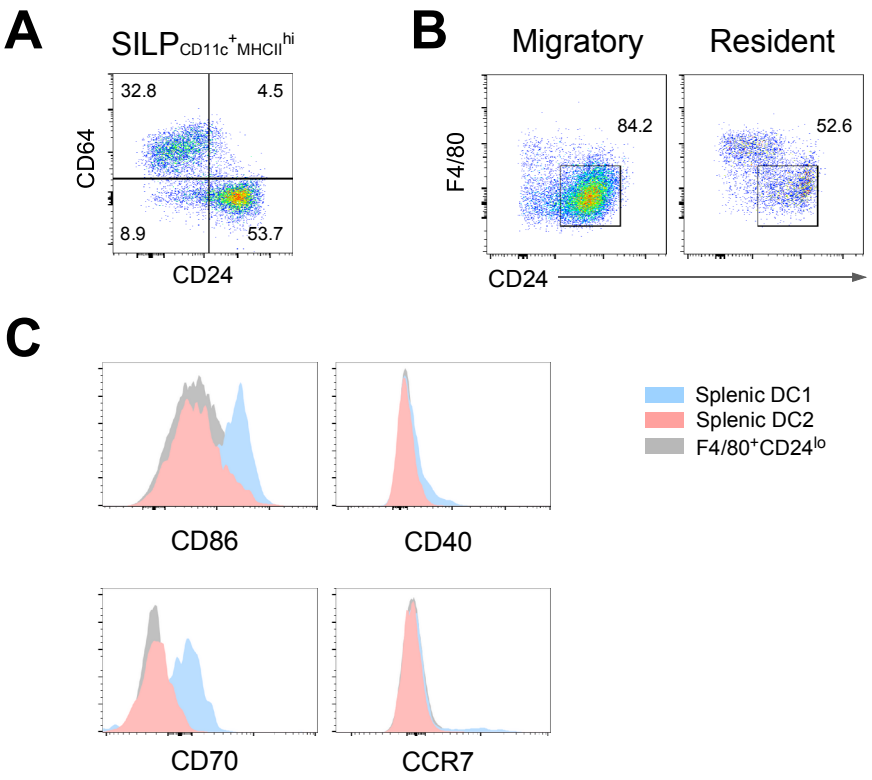

Figure S2. DCs versus macrophages flow cytometry gating scheme and expression of costimulation receptors. (A) In the small intestine, $CD24^{hi}$ cells represent DCs whereas $CD64^{hi}$ cells represent macrophages. **(B)** In the MLN, CD24 expression distinguished DCs from $F4/80^{+}$ macrophages. **(C)** Expression of costimulation and migration markers on splenic DCs and

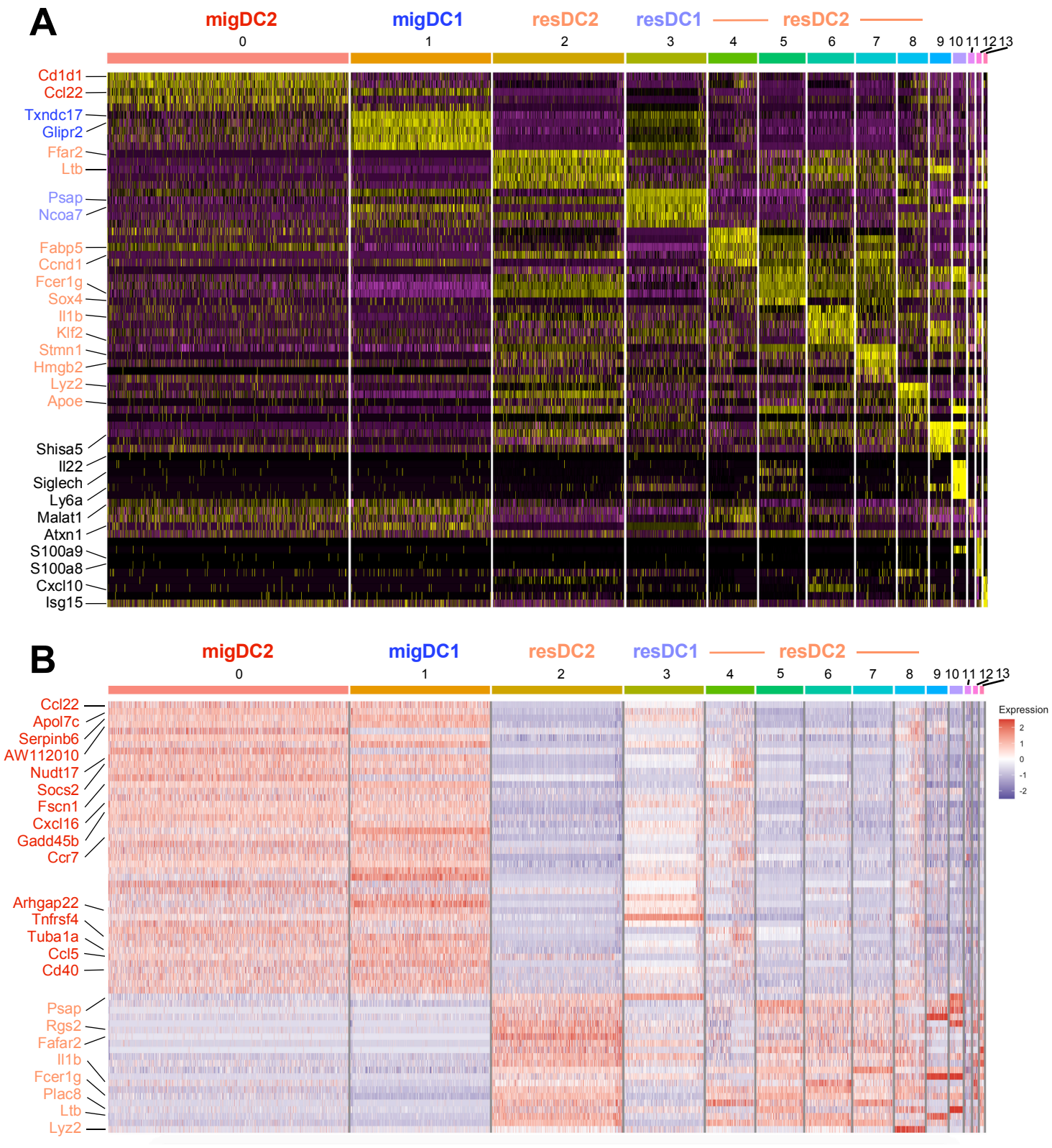

Figure S3. Integrated analysis of MLN migratory and resident DCs from SFB acutely colonized C57BL/6 mice. (A) Unique markers of migratory DC2s, migratory DC1s, resident DC2s and resident DC1s. **(B)** Unique markers of migratory DC2s versus resident DC2s.

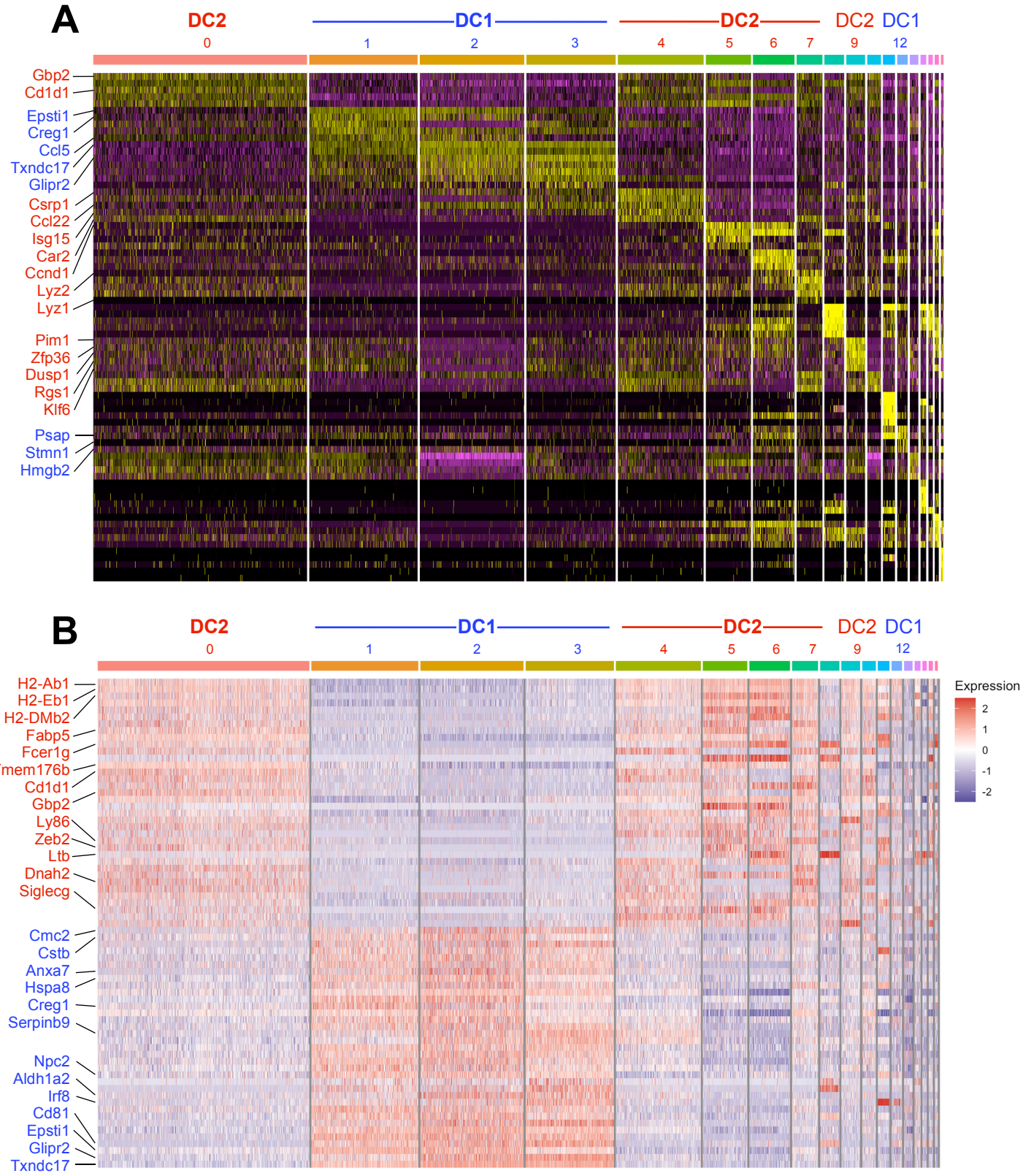

Figure S4. Integrated analysis of MLN migratory DCs from naïve and SFB-acutely colonized mice. (A) Unique markers of major DC1 and DC2 cell clusters. **(B)** Unique markers of migratory DC1s versus DC2s.