

**Figure S4. Effect of reducing Blk expression levels on T cell development in B6.*lpr* mice.** (**A**) Far left panel: Dot plots showing CD3 versus TCRβ expression on total splenocytes from 3-month-old B6, Blk+/−, B6.*lpr* and Blk+/−.*lpr* mice. Numbers in plots represent percentages of αβ T cells. Left center panel: Dot plots showing CD8 versus CD4 expression on gated αβ T cells. Numbers represent percentages of cells in three of the quadrants. Center panel: Histograms showing B220 expression on gated DN αβ T cells. Numbers in histograms represent percentage of B220+ DN αβ T cells. Right center panel: Dot plots showing CD3 versus TCRγδ expression on total splenocytes. Numbers in plots represent percentages of γδ T cells. Far right panel: Dot plots showing CD25 versus Foxp3 expression in gated CD4+ αβ T cells. Numbers in plots represent percentages of regulatory T cells. (**B**) Graph comparing the percentages of different T cell subsets between 3-month-old B6 (n=19) and Blk+/− (n=16) mice and between 3-month-old B6.*lpr* (n=23) and Blk+/−.*lpr* (n=27) mice. \*p≤0.05; \*\*p≤0.01. (**C**) Histograms comparing CD69 expression on gated splenic CD4+, CD8+, DN αβ, and γδ T cell subsets from 3-month-old B6.*lpr* and Blk+/−.*lpr* mice. CD69 expression levels on the corresponding splenic T cell subsets from age-matched B6 mice are also shown (shaded histogram). (**D**) Dot plots showing CD44 versus CD62L expression on gated CD4+ splenocytes from 3-month-old B6, Blk+/−, B6.*lpr* and Blk+/−.*lpr* mice. Numbers in plots represent percentages of naive (CD62Lhi CD44lo), effector (CD62Lhi CD44hi), and memory (CD62Llo CD44hi) CD4+ T cells.