

Figure 2S

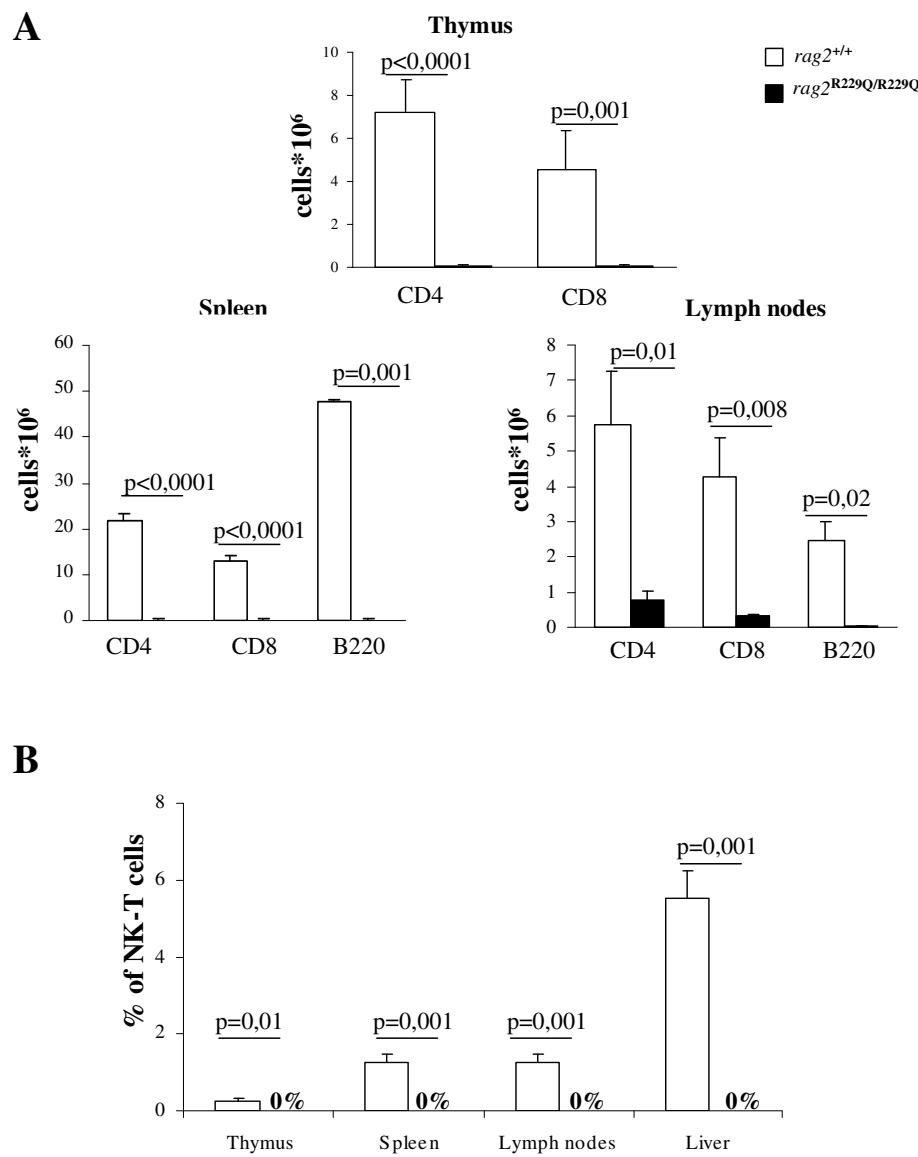
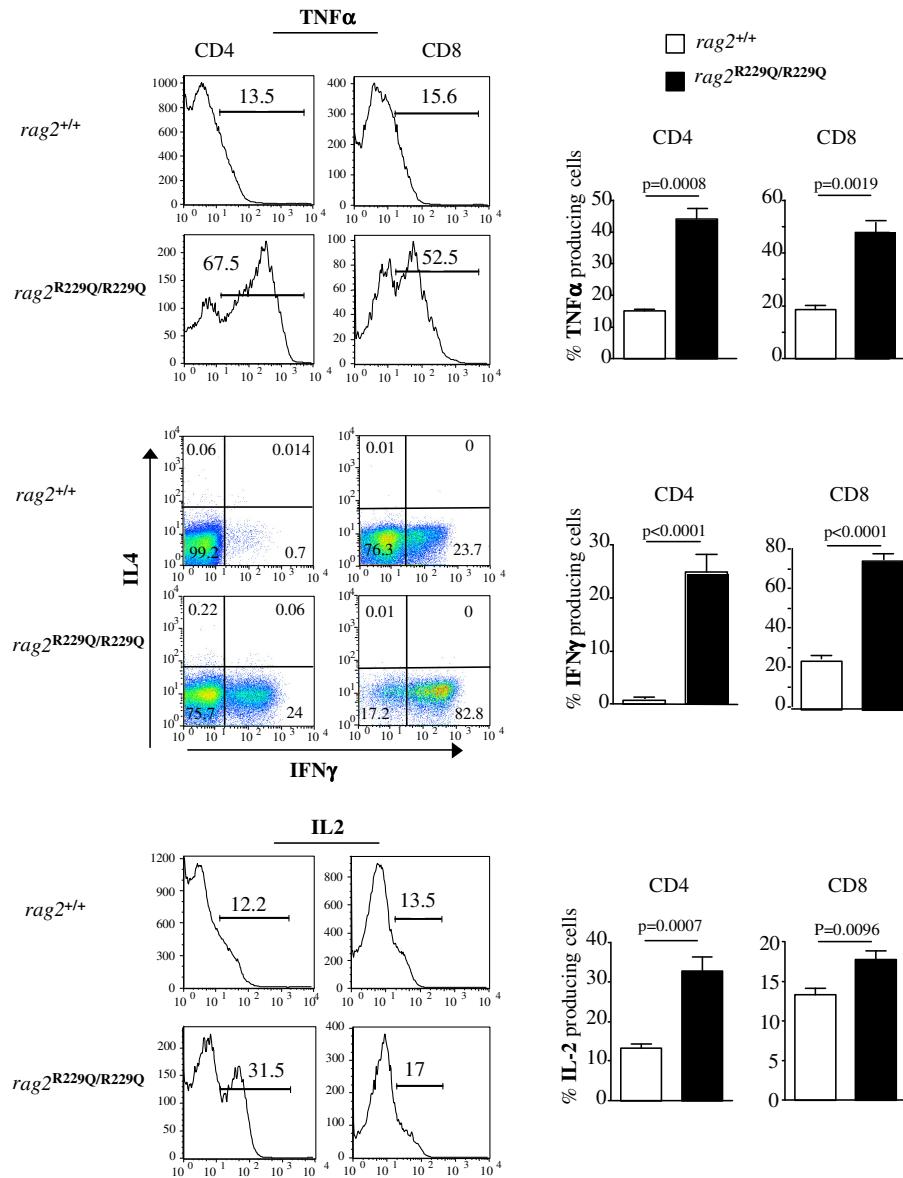


Figure 3S



Supplementary figure 1. EGFP expression in electronically gated DN, DP and SP thymocytes from *rag2*^{+/+} (shaded histograms) and *rag2*^{R229Q/R229Q} (black line) mice.

Supplementary figure 2. (A) Relative representation + standard deviation (SD) of the absolute number of CD4⁺, CD8⁺ cells in thymus and CD4⁺, CD8⁺ and B220⁺ cells in spleen and lymph nodes of *rag2*^{+/+} (white bars) and *rag2*^{R229Q/R229Q} mice (black bars).

(B) Representation of NK-T cells (defined as CD3⁺CD1d tetramer⁺) percentage in thymus, spleen, lymph nodes and liver from four *rag2*^{+/+} and four *rag2*^{R229Q/R229Q}. White bars indicate *rag2*^{+/+} mice while, the percentage of NK-T cells in *rag2*^{R229Q/R229Q} mice is 0%.

Supplementary figure 3. Enhanced cytokine production by *rag2*^{R229Q/R229Q} T cells. Representative FACS histograms or dot plot analyses are shown on the left hand side with the corresponding statistical analyses with mean percentages + SD of TNF α , IFN γ and IL-2 secreting cells of at least 4 samples on the right.