Figure S1. Epithelial improvement in RAG2^{-/-} thymus ten days after anti-CD3 ϵ mAb administration. (A) Representative H&E staining of thymus from PBS and anti-CD3 ϵ mAb mice (original magnification, X20). Right panel shows graphic representation of the <u>M/C</u> in the two groups (PBS n=4, anti-CD3 ϵ mAb n=6). *P=0.0381. (B) CK5, CK8, UEA-1 and AIRE immunohistochemistry in a representative thymus from the indicated mice (original magnification, X40).

Figure S2. Absence of mature T cells in three day-old RAG2^{R229Q} mice. (A) Left, representative dot plot of thymic populations defined with CD4 and CD8 in three day-old $RAG2^{R229Q}$ and $RAG2^{+/+}$ mice (n=4). Right, overlay of TCR β expression in gated CD4⁺ and CD8⁺ SP cells. (B) Representative dot plot of splenic CD4⁺ and CD8⁺ cells in three days old RAG2^{R229Q} and RAG2^{+/+} mice (n=4).

Figure S3. Anti-CD3 ε mAb administration in RAG2^{R229Q} adult mice does not prevent peripheral tissue infiltration. Pie chart indicates tissue infiltration grade in each organ calculated from H&E staining as described in Methods. Each pie chart represents a mouse from the two treated groups.

Figure S1



В



Figure S2











☐ neg/low ☐ mild ■ severe

