Description of Additional Supplementary Files :

Supplementary Data File 1 (related to Fig. 3b) |List of common and unique ATAC-seq peaks in WT and $Il2ra^{mut/mut}$ thymic and LN T_{reg} cells across gene organization.

Supplementary Data File 2 (related to Fig. 3d) |List of genes with unique peaks in WT versus $Il2ra^{mut/mut}$ thymic and LN T_{reg} cells.

Supplementary Data File 3 (related to Fig. 3e and Sup Fig. 3d) List of Biological Process Gene Ontology (BP-GO) from genes with unique peaks (OCRs) in WT versus $Il2ra^{mut/mut}$ thymic and LN T_{reg} cells (all and 20kb from TSS).

Supplementary Data File 4 (related to Fig. 4c) | List of genes up and downregulated in WT versus $Il2ra^{mut/mut}$ T_{reg} cells.

Supplementary Data File 5 (related to Fig. 4d and Sup Fig. 4d,e) | List of Biological Process Gene Ontology (BP-GO) from genes upregulated in $Il2ra^{mut/mut}$ versus WT T_{reg} cells.

Supplementary Data File 6 (related to Fig. 4e,g) List of differentially expressed genes in WT versus $Il2ra^{mut/mut}$ LN T_{reg} cells compared to genes with unique peaks in WT and $Il2ra^{mut/mut}$ T_{reg} cells within 500 bp from TSS.

Supplementary Data File 7 (related to Fig. 5d) | List of unique genes with (i) SATB1 peaks in WT SP $CD4^+$ thymocytes, (ii) SATB1 peaks in $Il2ra^{mut/mut}$ SP $CD4^+$ thymocytes and (iii) common genes with unique SATB1 peaks in WT and $Il2ra^{mut/mut}$ SP $CD4^+$ thymocytes.

Supplementary Data File 8 (related to Fig. 5e,f) BP-GO terms of unique genes with SATB1 peaks in WT and in $Il2ra^{mut/mut}$ SP CD4⁺ thymocytes.