

Description of additional supplementary files.

Supplementary Data 1

SATB1 binding sites of CD69-DP and CD69+DP thymocytes.

Supplementary Data 2

The SAPSGs subset of SATB1 binding upregulated and RNA expression of CD69+DP and CD69-DP thymocytes.

Supplementary Data 3

The loops of CD69-DP and CD69+DP thymocytes for Satb1-WT and Satb1-KO.

Supplementary Data 4

The SEs of CD69-DP and CD69+DP thymocytes for Satb1-WT and Satb1-KO.

Supplementary Data 5

The genes expression(FPKM) in singnal pathways of CD69-DP and CD69+DP thymocytes for Satb1-WT and Satb1-KO.

Supplementary Data 6

The DEGs of CD69-DP and CD69+DP thymocytes for Satb1-WT and Satb1-KO.