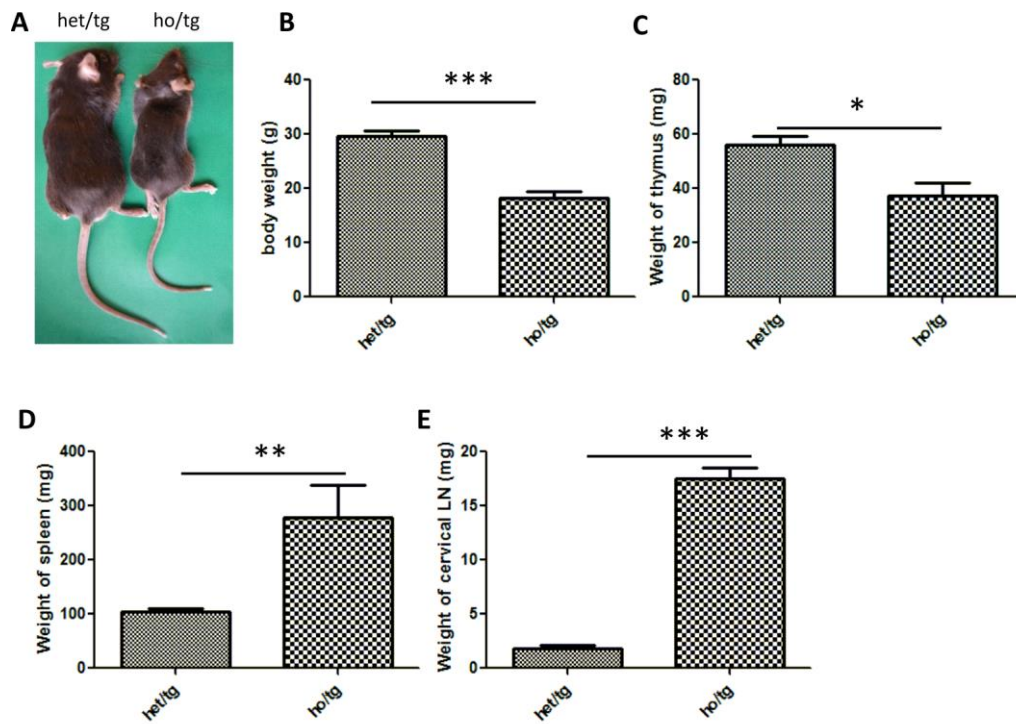
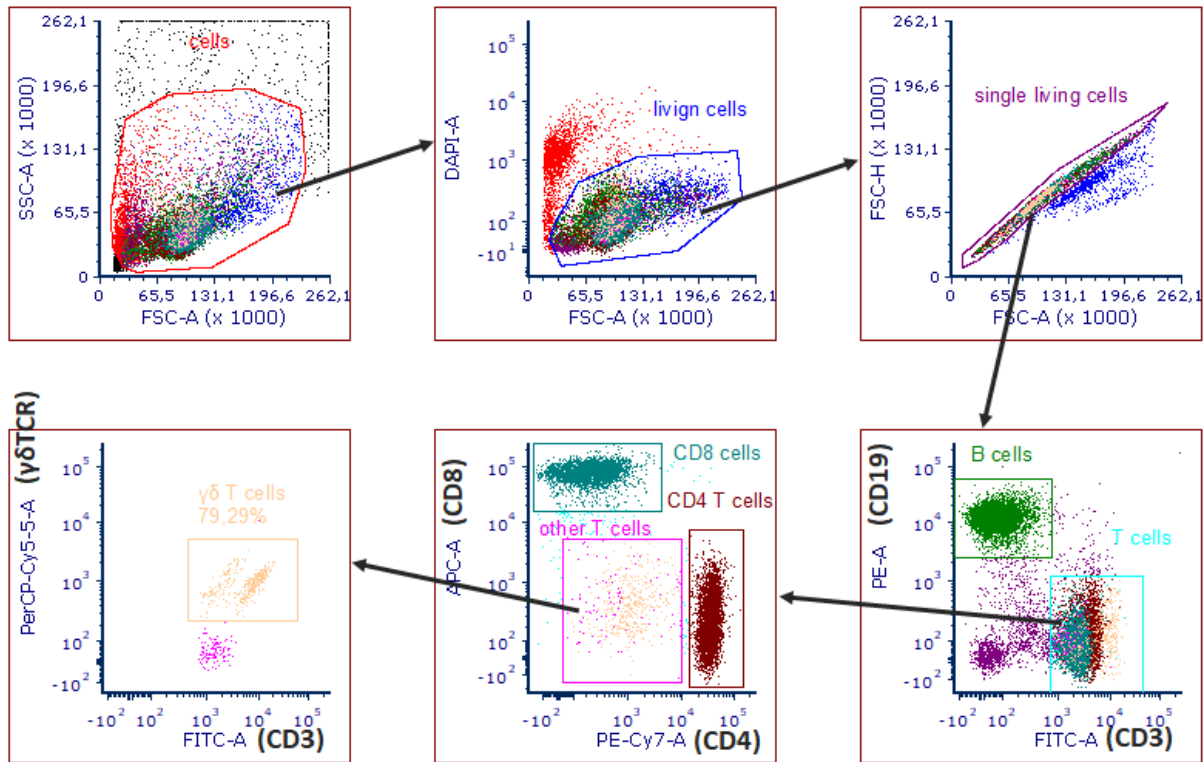


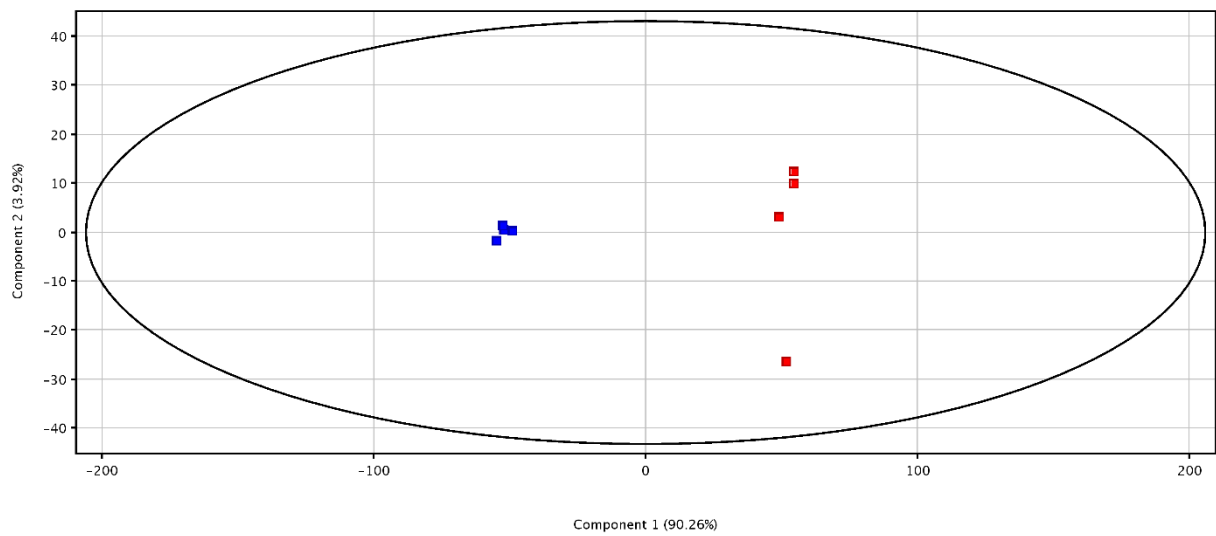
## Supplementary figures



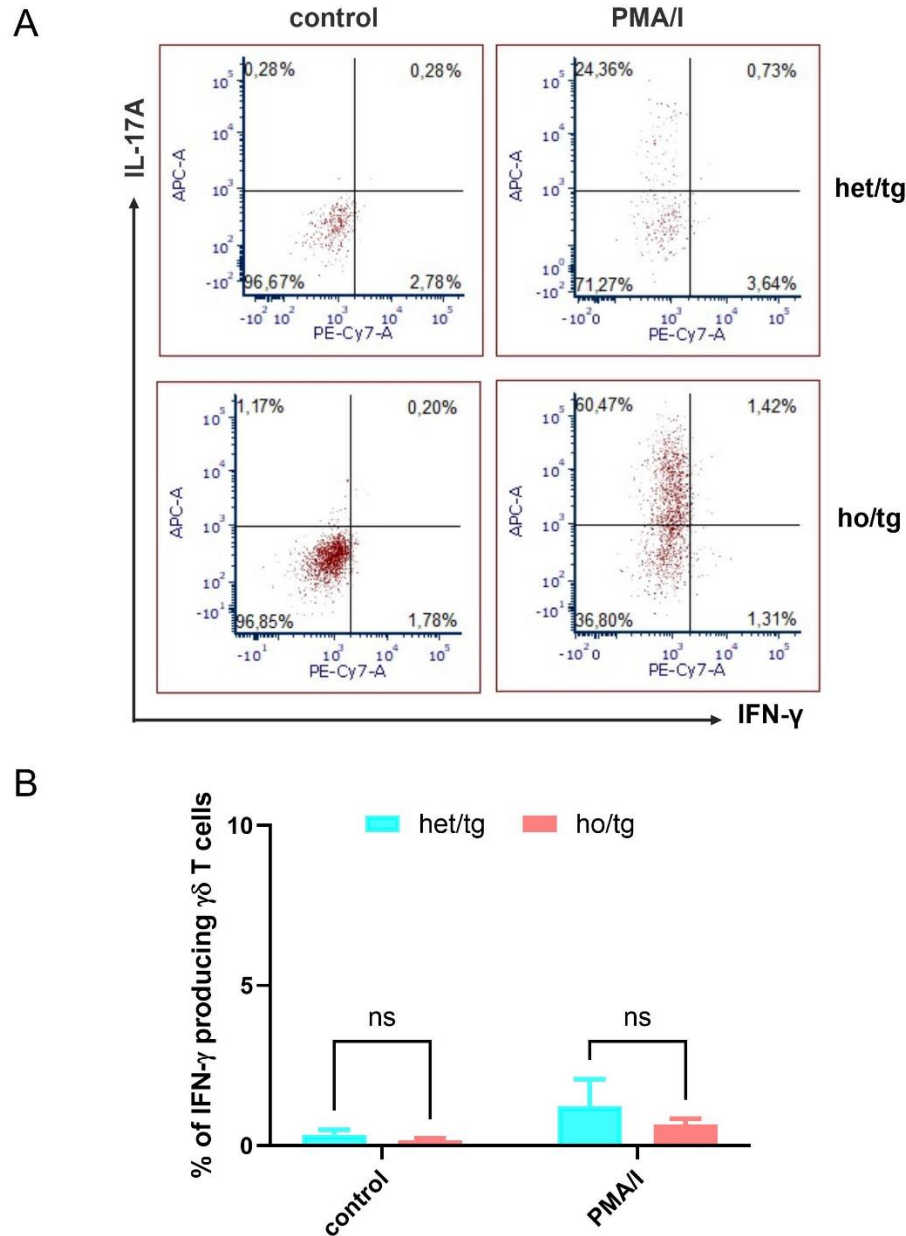
**Figure S1. Weight of body and lymph organs of neutropenic and control mice.** Male mice at the age of 10-12 weeks old were determined for weight of body and lympho organs. A. Representative picture of *Mcl-I<sup>f/f</sup>* ; *LysM<sup>Cre</sup>* (ho/tg) neutropenic mice and their littermate *Mcl-I<sup>f/wt</sup>* ; *LysM<sup>Cre</sup>* (het/tg) control mice. Quantitative values of weight of body (B), weight of thymus (C), spleen (D) and cervical LN (E) of neutropenic mice (n=6) and control mice (n=6). Data are presented as mean±SEM, statistical analysis was performed using Graphpad Prism5 software (\*\*\*, p<0.001).



**Figure S2. Gating strategy of defining subpopulation of lymphocytes.** Single-cell suspensions were prepared from the cervical lymph nodes and stained with FITC-rat anti-mouse CD3, PerCP/Cy5.5 anti-mouse TCR  $\gamma\delta$ , PE-anti-mouse CD19, PE/Cy7-anti-mouse CD4 and APC-anti-mouse CD8a, and detected using flow cytometric device BD<sup>TM</sup> LSRII. Data were analyzed with the FCSExpress software.



**Figure S3. Principal component analysis of the samples of  $\gamma\delta$ T cells from neutropenic (ho/tg) and control (het/tg) mice.**



**Figure S4. IFN- $\gamma$  production in  $\gamma\delta$  T cells from neutropenic mice and littermate controls.** Single-cell suspensions were prepared from the cervical lymph nodes of neutropenic mice (ho/tg, n=3) and littermate controls (het/tg, n=3) and cultured either in the absence (control) or presence of phorbol myristate acetate and calcium ionophore (PMA/I). Cells were subsequently analyzed by intracellular staining using Alexa Fluor 647-conjugated anti-mouse IL-17A and PE/Cy7-conjugated anti-mouse IFN- $\gamma$ . (A) Representative dot plot showing IL-17A and IFN- $\gamma$  expression in  $\gamma\delta$  T cells from neutropenic mice and littermate controls. The numbers in the upper left and lower right quadrants indicate the percentages of IL-17A<sup>+</sup> and IFN- $\gamma$ <sup>+</sup> cells, respectively. (B) Quantification of the percentage of IFN- $\gamma$ -producing  $\gamma\delta$  T cells is shown in panel D. Data are presented as mean  $\pm$  SEM, with *ns* indicating no significant difference.