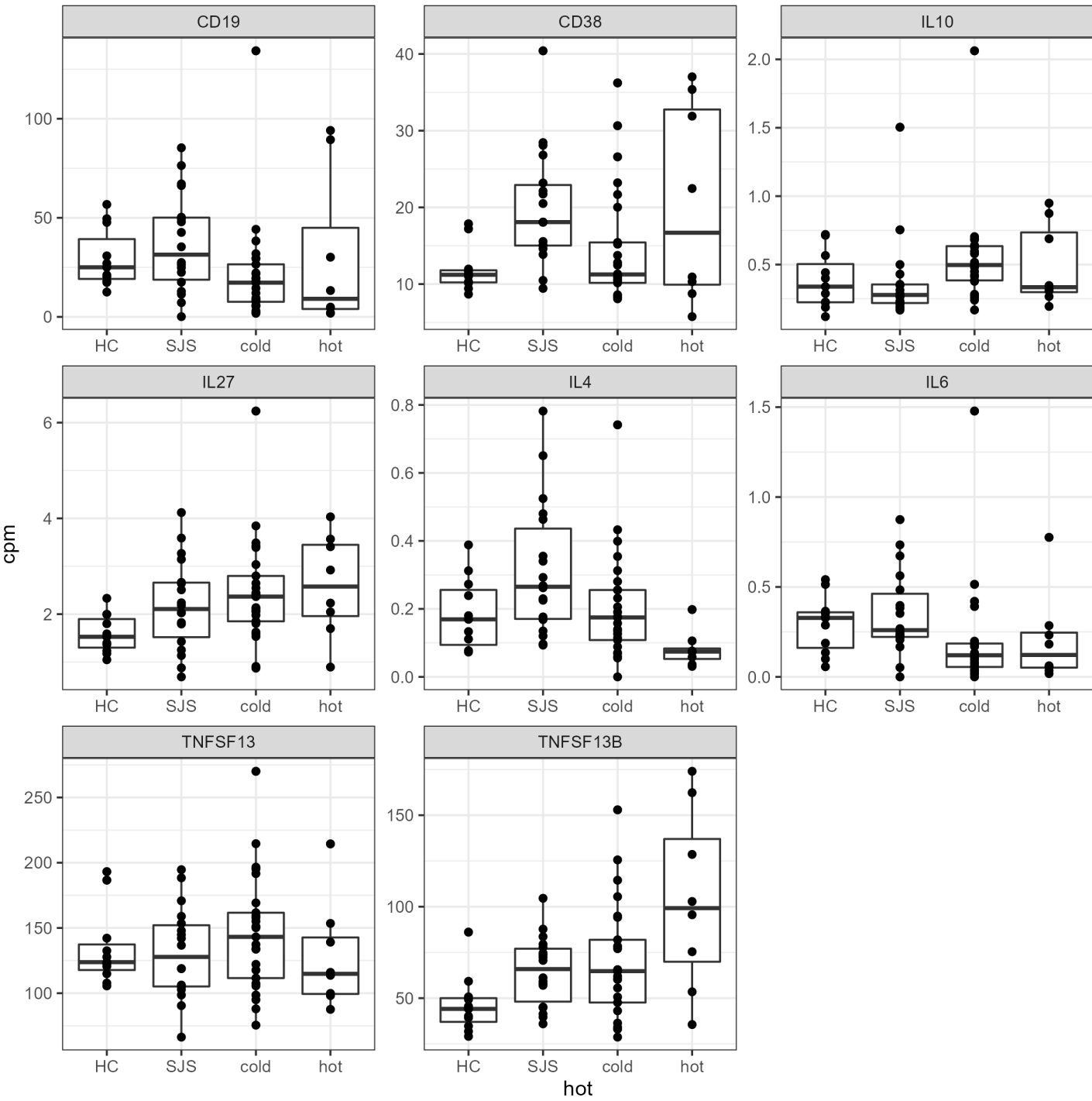
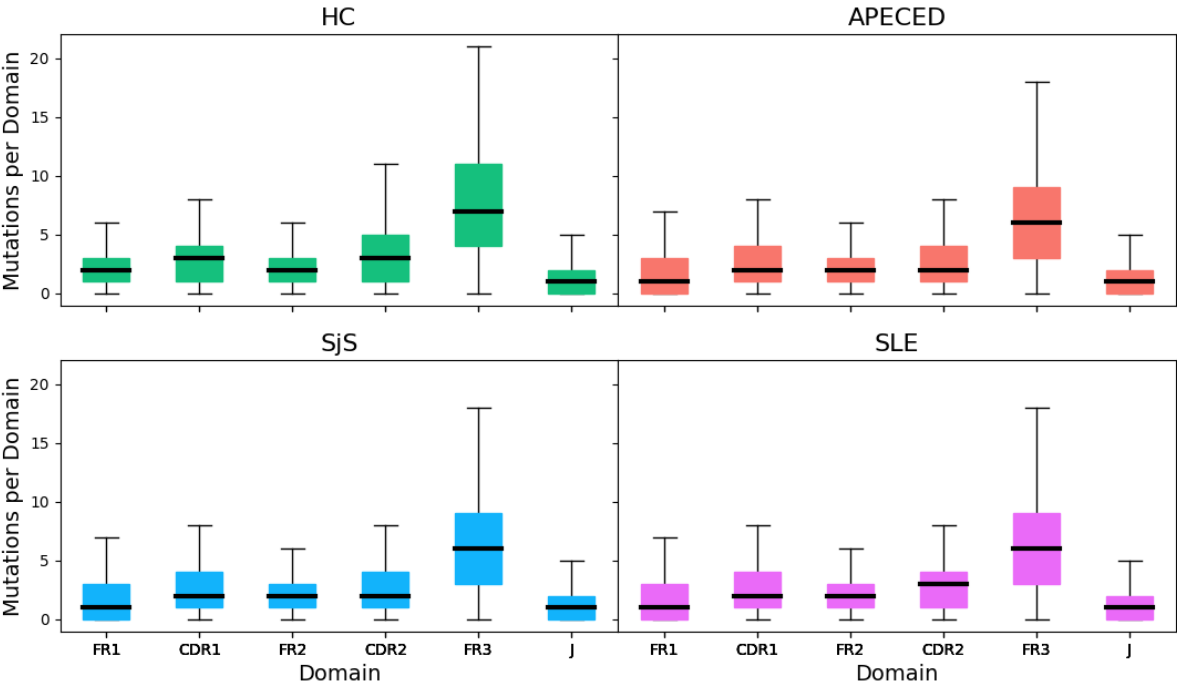


Supplemental Figure 1. Markers of B cell activation and expansion



**Supplemental Figure 2.** Mutations detected per VH gene domain. The number of mutations for each region of the VH gene were determined. Graphs show the mean  $\pm$  SEM for all the subjects in each group.



**Supplemental Figure 3.** Memory B cell isolation. Switched memory B cells were isolated using Miltenyi MACS beads and flow cytometry was used to confirm their purity.

