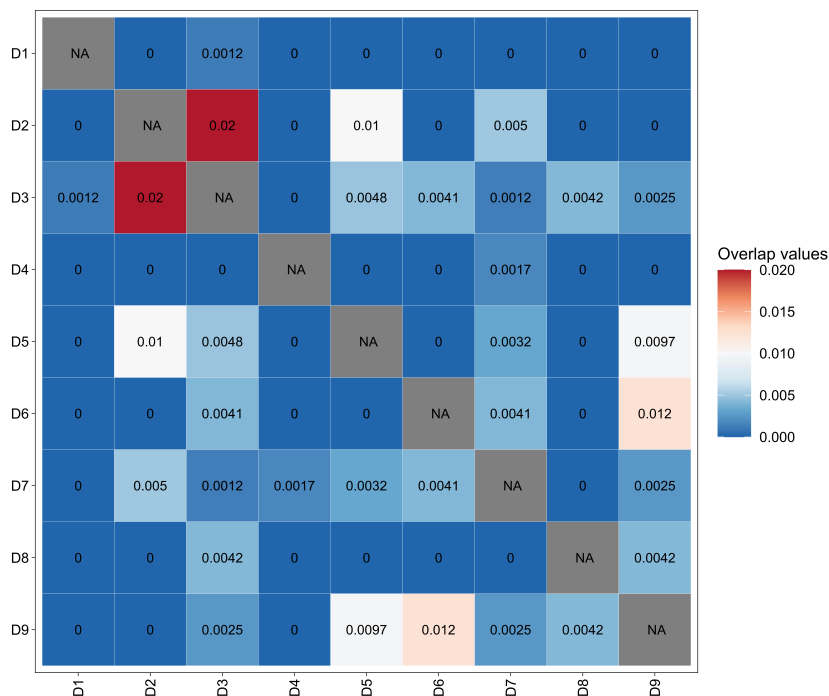
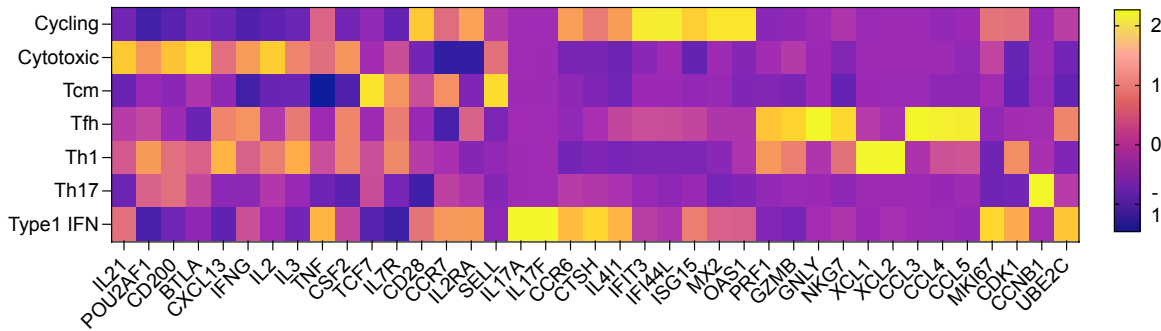


A Repertoire overlap



B Relative gene expression



Supplementary Figure 4: Homologous vaccination, heterologous vaccination and vaccination infection result in comparable S-I-specific CD4⁺ TCR repertoire and phenotype. (A) A normalized measure of TCRab overlap, defined as the size of the intersection divided by the smaller size of the two sets. D1-D3: AZ-BNT-BNT; D4-D6: BNT-BNT-BNT; D7-D9: BNT-BNT-INF **(B)** Relative gene expression of selected marker genes in S-I-specific CD4⁺ T cells underlying the allocated clusters of Fig.5 F.