

Supplementary Data 1: The data sets used in the project and the clinical data related to anti-LAG3+anti-PD1 trial

Supplementary Data 2: The correlation analysis of shared TCR motifs across epitope-specific TCR repertoires.

Supplementary Data 3: The differentially expressed genes between clusters, anti-MAA and anti-viral T cells, and genes differentially expressed along pseudotime

Supplementary Data 4: The statistically significant ligand-receptor interactions

Supplementary Data 5: The multivariate and univariate analysis of overall survival in primary melanoma

Supplementary Data 6: The expanded TCR clonotypes and their targets