

Description of Additional Supplementary Files

File name: Supplementary Data 1

Description: List of genes and accession number

File name: Supplementary Data 2

Description: Gene expression on T cell subsets (Figures 4 and 5a-c)

File name: Supplementary Data 3

Description: Clinical and immunological parameters of the retrospective cohort of NSCLC patients (Figures 8 and 9)

File name: Supplementary Data 4

Description: Phenotype of T cell subsets (Figure 2a)

File name: Supplementary Data 5

Description: Percentage of Tregs/total CD4+ T cells according to their anatomical sites (Figure 3a)

File name: Supplementary Data 6

Description: Stage of differentiation of T cell subsets according to their anatomical sites (Figure 3b)

File name: Supplementary Data 7

Description: Stage of differentiation of tumor-infiltrating Treg and conventional CD4+ T cells in TLS versus outside TLS (Figure 3c)

File name: Supplementary Data 8

Description: Expression of ICP by tumor-infiltrating Treg and CD4+ conventional T cells (Figure 5d)

File name: Supplementary Data 9

Description: IFN- γ and IL2 secretion secreted by CD4+ Tconv cultured with anti-CD3/anti-CD28 coated beads with or without autologous TIL-Tregs (Figure 6b)