

Descriptions of Additional Supplementary Files

Supplementary Data 1.

Description: Single-cell differential expression (DE) analyses results of cluster 6 macrophages (Inflammatory macrophages).

Supplementary Data 2.

Description: Single-cell differential expression (DE) analyses results of cluster 12 macrophages (TREM2hi macrophages).

Supplementary Data 3.

Description: Single-cell differential expression (DE) analyses results of cluster 23 macrophages (Immunoregulatory related macrophages).

Supplementary Data 4.

Description: Reactome pathways analysis for cluster 6 macrophages (IDO1hi inflammatory macrophages) specific genes detected by Seurat.

Supplementary Data 5.

Description: Reactome pathways analysis for cluster 12 macrophages (TREM2hi macrophages) specific genes detected by Seurat.

Supplementary Data 6.

Description: Reactome pathways analysis for cluster 23 macrophages (Immunoregulatory related macrophages) specific genes detected by Seurat.

Supplementary Data 7.

Description: Single-cell differential expression analyses results of the comparison of Tgd_c21 to Tgd_c8 cells.

Supplementary Data 8.

Description: Single-cell differential expression analyses results of the comparison of B_c22 to other B cell clusters.

Supplementary Data 9.

Description: Detailed information of the genes of ICT outcome signature - ImmuneCells.Sig.