Supplementary Materials:

Table S1: Basic information of 14 included LUAD cohorts

Table S2: The normalized enrichment scores for the 24 immune cell types among 2499 LUAD patients.

Table S3: Univariate Cox analysis for the 24 immune cell types.

Table S4: Details about the Immune cell pairs (ICPs).

Table S5: ICPs identified by Lasso.

Table S6: Model information about the ICPS.

Table S7: ICPS of 2499 LUAD patients.

Table S8: ICPS and clinical information for the 2499 LUAD patients.

Table S9: ICP score and Gene mutation in GEO databases

Table S10: ICP score and relevant indicators in TCGA-LUAD

Table S11: ICP score and cellular infiltration in TCGA-LUAD

Table S12: ICP score and marker gene in TCGA-LUAD

Table S13: ICP score in IMVigor210 and GSE78820

Table S14: DEGs between high ICPS group and low ICPS group

Table S15: Potential drugs using cMAP.

Figure S1: Difference in prognosis in the median group.

Figure S2: Correlation between ICPS and immune features. (A) Correlation between ICPS and immune cells based on CIBERSORT. (B) Correlation between ICPS and immune cells based on MCPcounter.