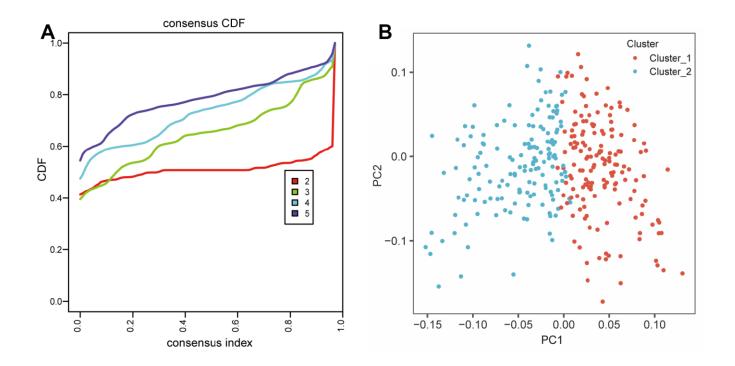
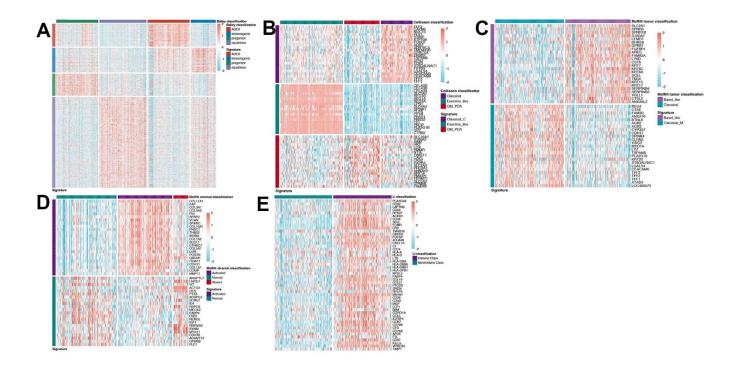
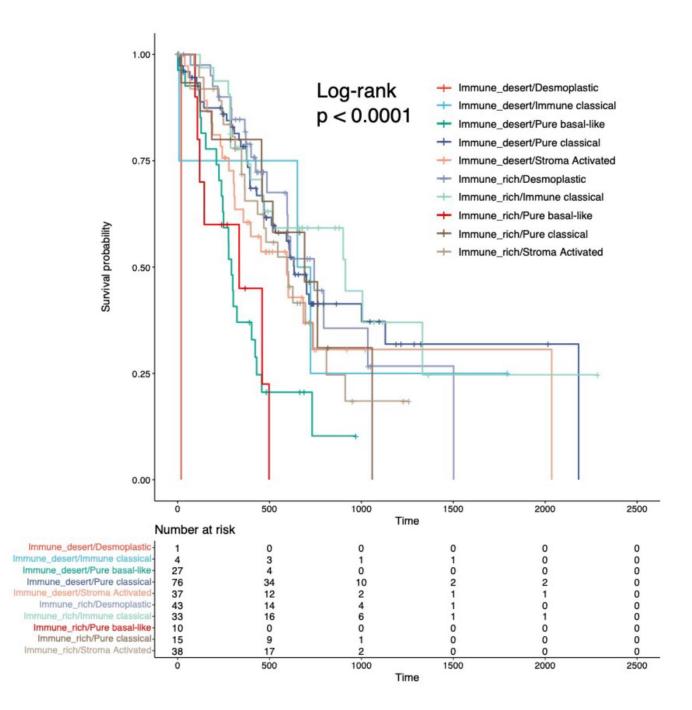
SUPPLEMENTARY FIGURES



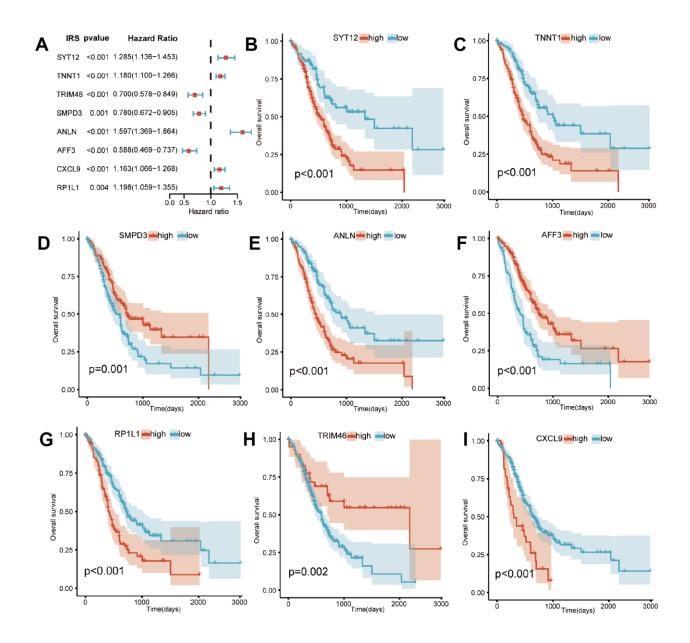
Supplementary Figure 1. Identification of TIME-related subtypes. (A) The CDF plot of consensus clustering. (B) The PCA plot demonstrated the differences between the two clusters.



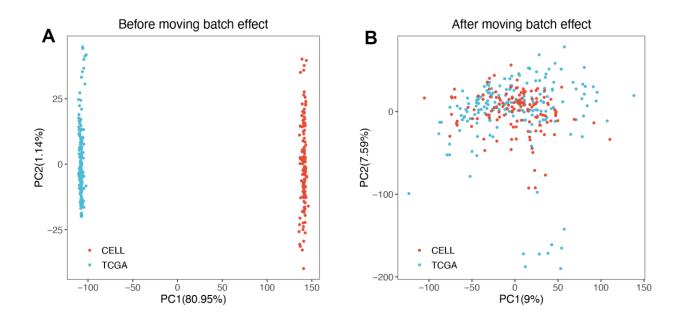
Supplementary Figure 2. Published PC subtypes prediction. Heatmap showed that we defined Bailey's classification (A), Collisson's classification (B), Moffitt's tumor classification (C), Moffitt's stromal classification (D) and Li's classification (E) based on the published classifier exemplar genes.



Supplementary Figure 3. Kaplan-Meier curves of overall survival were plotted according to the TIME subtype and Puleo's classification.



Supplementary Figure 4. Validation of IRS. (A) Forest plot of univariate cox analysis based on the training set. (B–I) The survival analysis is based on the expression of IRS genes.



Supplementary Figure 5. Evaluation of the results of batch effect correction. The principal component analysis (PCA) before (A) and after (B) batch effect correction on Meta-cohort.