TCGA-LIHC datasets

Differentially expressed analysis

45 differentially expressed ARGs

Protein-protein interaction analysis

m\textsuperscript{6}A gene correlation analysis

Expression correlation analysis

24 mARGs

Gene mutation and copy number variation

univariate Cox analysis in training set (n=183)

GO and KEGG

13 prognostic mARGs

Kaplan Meier survival analysis

4 clusters

Clinical features heatmap

LASSO repression analysis

Validation

4-gene signature

Difference analysis of tissue expression

Training set (n=183)

Test set (n=181)

Entire set (n=364)

Nomogram

Gene mutation analysis

Gene Set Enrichment Analysis

TME related analysis

Immune check point related analysis

Antitumor drugs screening