340 common differential genes acquisition (GSE32867; GSE116959; GSE43458)

TCGA Lung tumor

PPI network analysis

10 potential hub genes

Univariate Cox proportional regression and Logrank regression

Lasso regression

Mutation status

B7-CD28 family

COL1A1 was identified as the most important Hub gene

Co-expression and correlation analysis

Immunohistochemistry

COL1A1 is correlated with prognosis and CD276 expression level