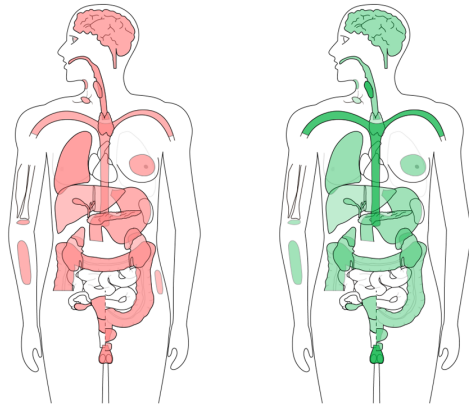


**Supplementary Figure 1.** (A) Mutations of *KNSTRN* gene in 586 patients with lung adenocarcinoma from TCGA (Firehose Legacy) were verified in the cBioPortal database (<http://www.cbioportal.org/>), and 4% of lung adenocarcinoma patients were found to have *KNSTRN* mutations. (B) The GEPIA database (<http://gepia.cancer-pku.cn/>) was used to analyze the distribution of *KNSTRN* in human tissues and the expression changes in tumors. (C) The expression of *KNSTRN* in different cancers was analyzed in GEPIA database. (D) The OS analysis was verified in the GEPIA database. (E) The OS analysis was verified in the KM Plotter database (<http://kmplot.com/analysis/>). (F) The OS analysis was verified in the GEO database (Data set: GSE72094 [<https://www.ncbi.nlm.nih.gov/geo/query/acc.cgi?acc=GSE72094>]). (G) Protein-protein interaction plot of the correlation of *KNSTRN* and potentially related genes.

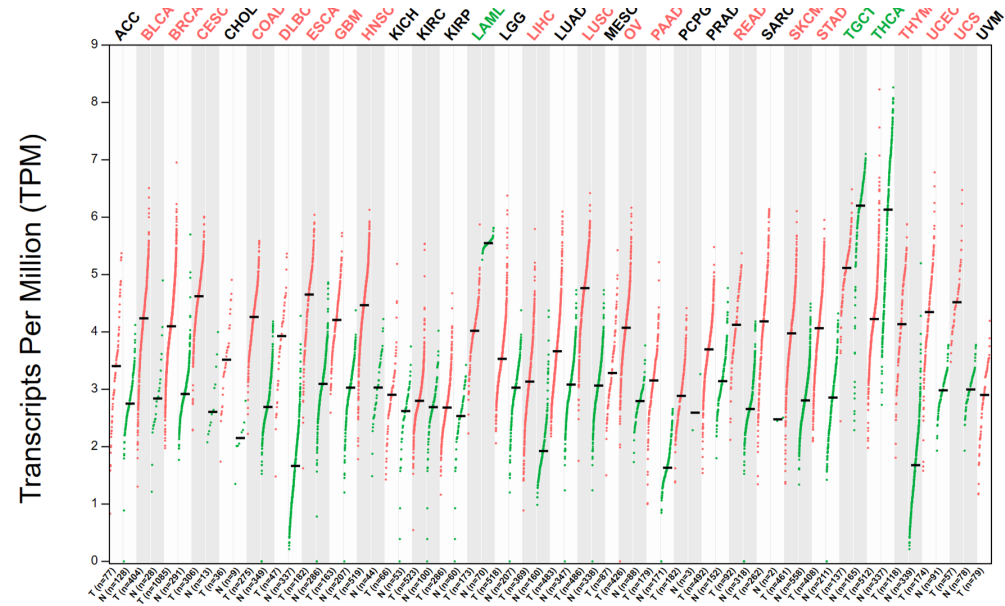


**B** The median expression of tumor and normal samples in bodymap

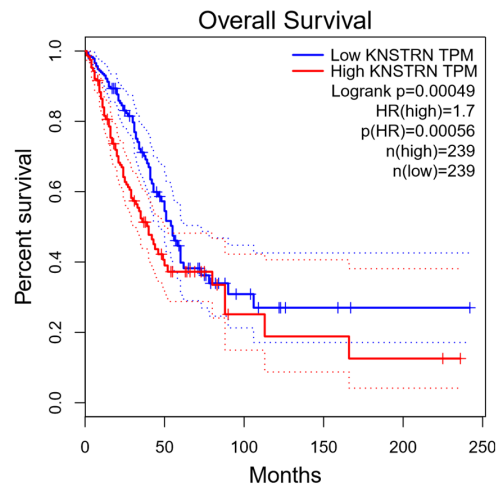


Log<sub>2</sub>(TPM + 1) Scale

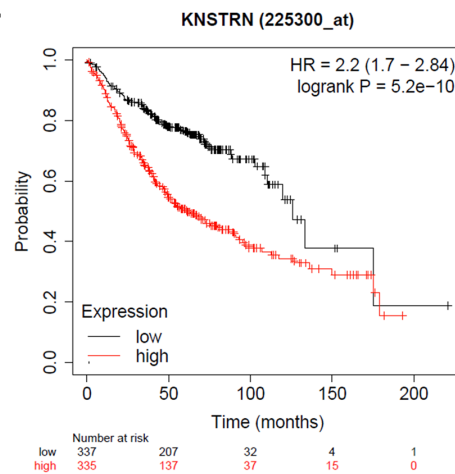
**C**



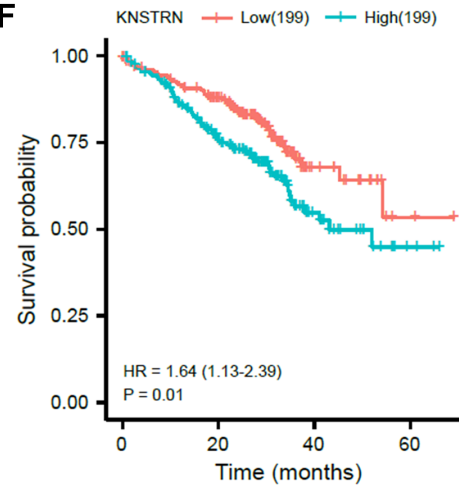
**D**



**E**



**F**



**G**

