

Supplementary**Table S1** List of housekeeping genes

Housekeeping genes

ABCF1
AGK
ALAS1
AMMECR1L
CC2D1B
CNOT10
CNOT4
COG7
DDX50
DHX16
DNAJC14
EDC3
EIF2B4
ERCC3
FCF1
G6PD
GPATCH3
GUSB
HDAC3
HPRT1

Table S1 (*continued*)**Table S1** (*continued*)

Housekeeping genes

MRPS5
MTMR14
NOL7
NUBP1
POLR2A
PPIA
PRPF38A
SAP130
SDHA
SF3A3
TBP
TLK2
TMUB2
TRIM39
TUBB
USP39
ZC3H14
ZKSCAN5
ZNF143
ZNF346

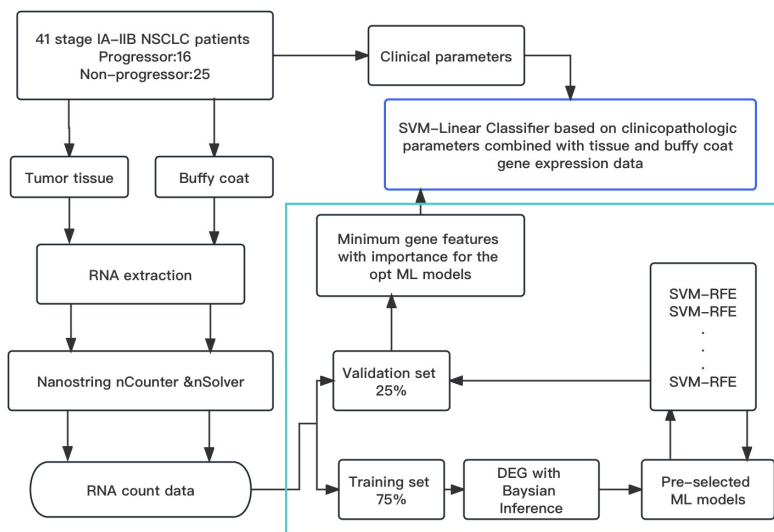


Figure S1 SVM-RFE data analysis flow chart. NSCLC, non-small cell lung cancer; SVM-Linear, SVM with the linear kernel; SVM, support vector machine; ML, machine learning; SVM-RFE, SVM with recursive feature elimination; DEG, differentially expressed gene.

Table S2 Top 20 in network string_interactions.tsv ranked by MNC method

Rank	Name	Score
1	<i>TNF</i>	64
2	<i>IL6</i>	61
3	<i>CD8A</i>	59
4	<i>GZMB</i>	40
5	<i>CXCL8</i>	39
6	<i>TBX21</i>	37
7	<i>PRF1</i>	34
8	<i>KLRK1</i>	30
9	<i>IRF4</i>	29
10	<i>CD247</i>	28
10	<i>KLRD1</i>	28
10	<i>CD34</i>	28
10	<i>TLR9</i>	28
10	<i>CD1C</i>	28
15	<i>LAG3</i>	27
16	<i>ZAP70</i>	25
16	<i>STAT4</i>	25
18	<i>IDO1</i>	24
19	<i>BCL6</i>	23
19	<i>FCGR2B</i>	23

MNC, maximum neighborhood component.

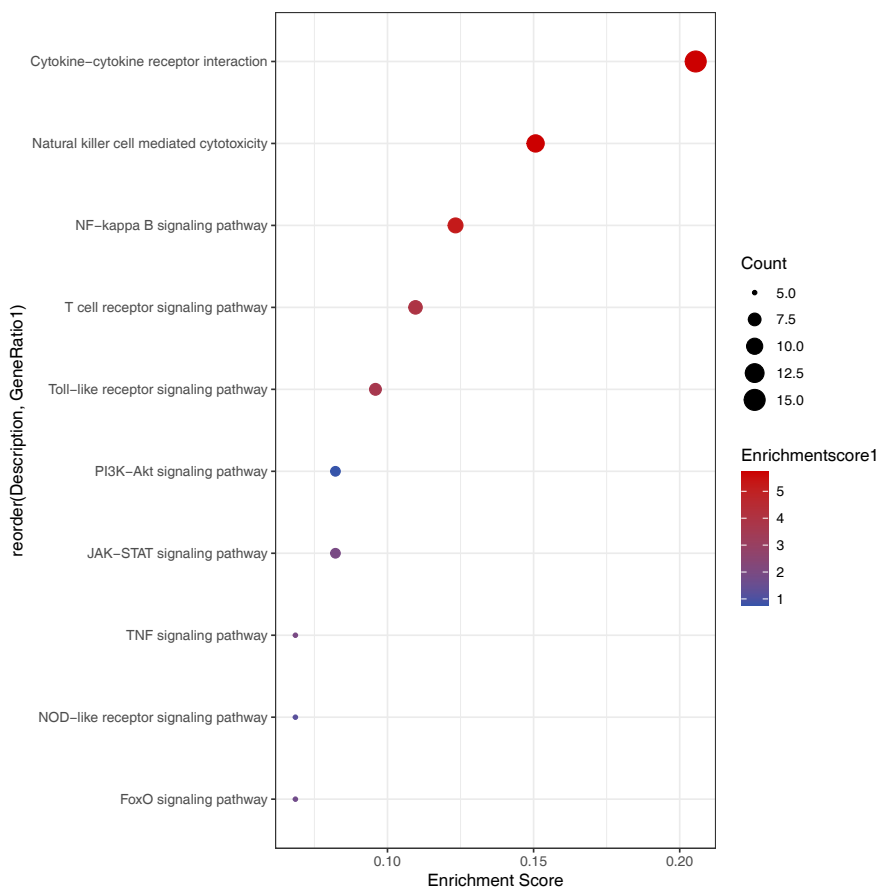


Figure S2 KEGG pathway analysis of DEGs. KEGG, Kyoto Encyclopedia of Genes and Genomes; DEGs, differentially expressed genes.