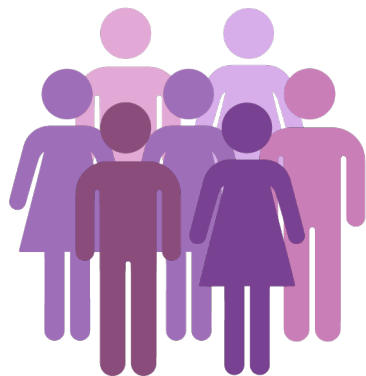
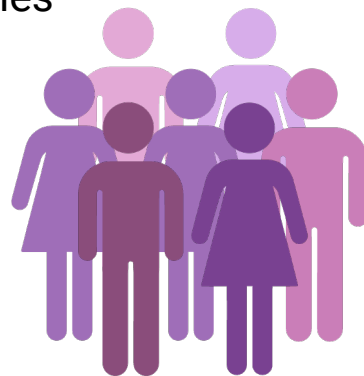


NSCLC samples



In-house plasma and exosome cohort (n=432)

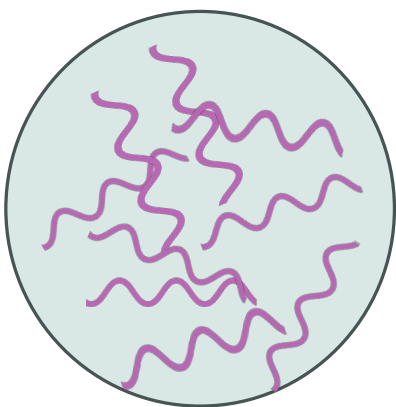


Public tissue and plasma cohort (n=1618)

small RNA-seq

piRNA expression profiles

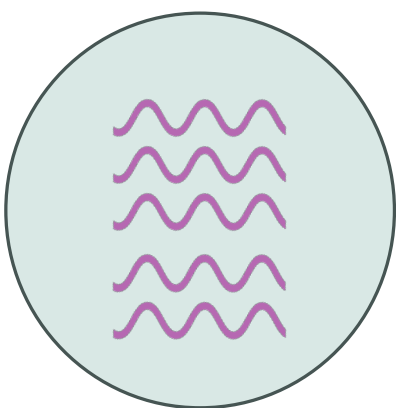
piRNA



Machine Learning

Feature Selection

Five Potential Signature



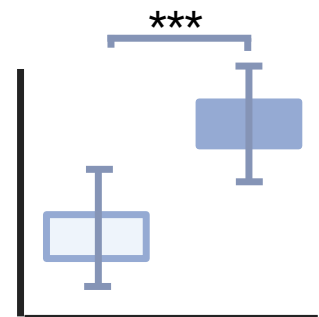
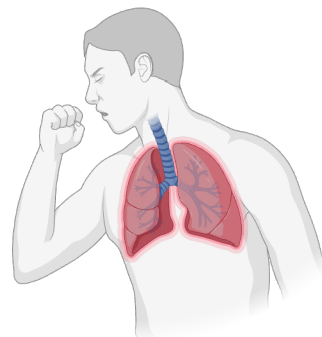
70% training

pi-TPI Risk Evaluation model

30% testing

2 independent validations

Diagnosed as NSCLC?
Risk score



High risk score → Yes

Low risk score → No