

# TCGA

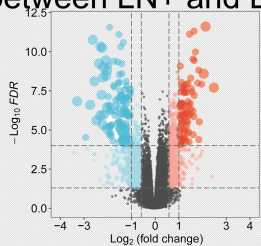


Patients without LN metastasis

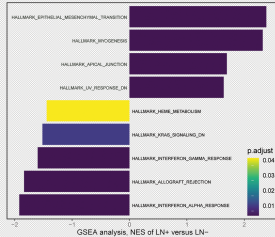


Patients with LN metastasis

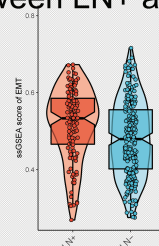
## Differentially expressed genes between LN+ and LN-



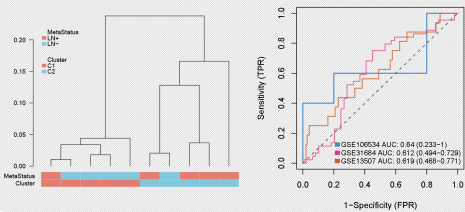
## Gene set enrichment analysis between LN+ and LN-



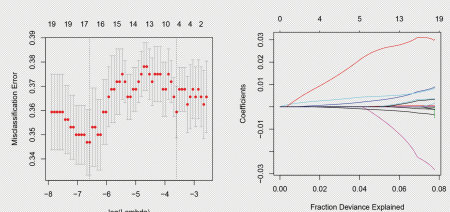
## single sample GSEA between LN+ and LN-



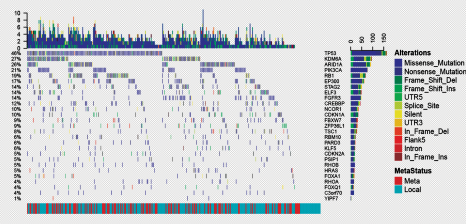
## Supervised cluster and EMTLN signature validation



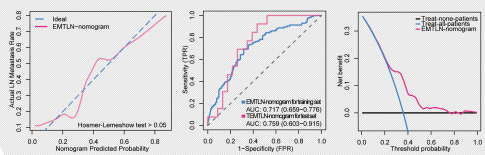
## EMTLN relevant feature selection and EMTLN signature building



## Significantly mutated genes between LN+ and LN-



## Model performance and clinical usefulness of the EMTLN -nomogram



## Logistic regression analysis and nomogram construction

