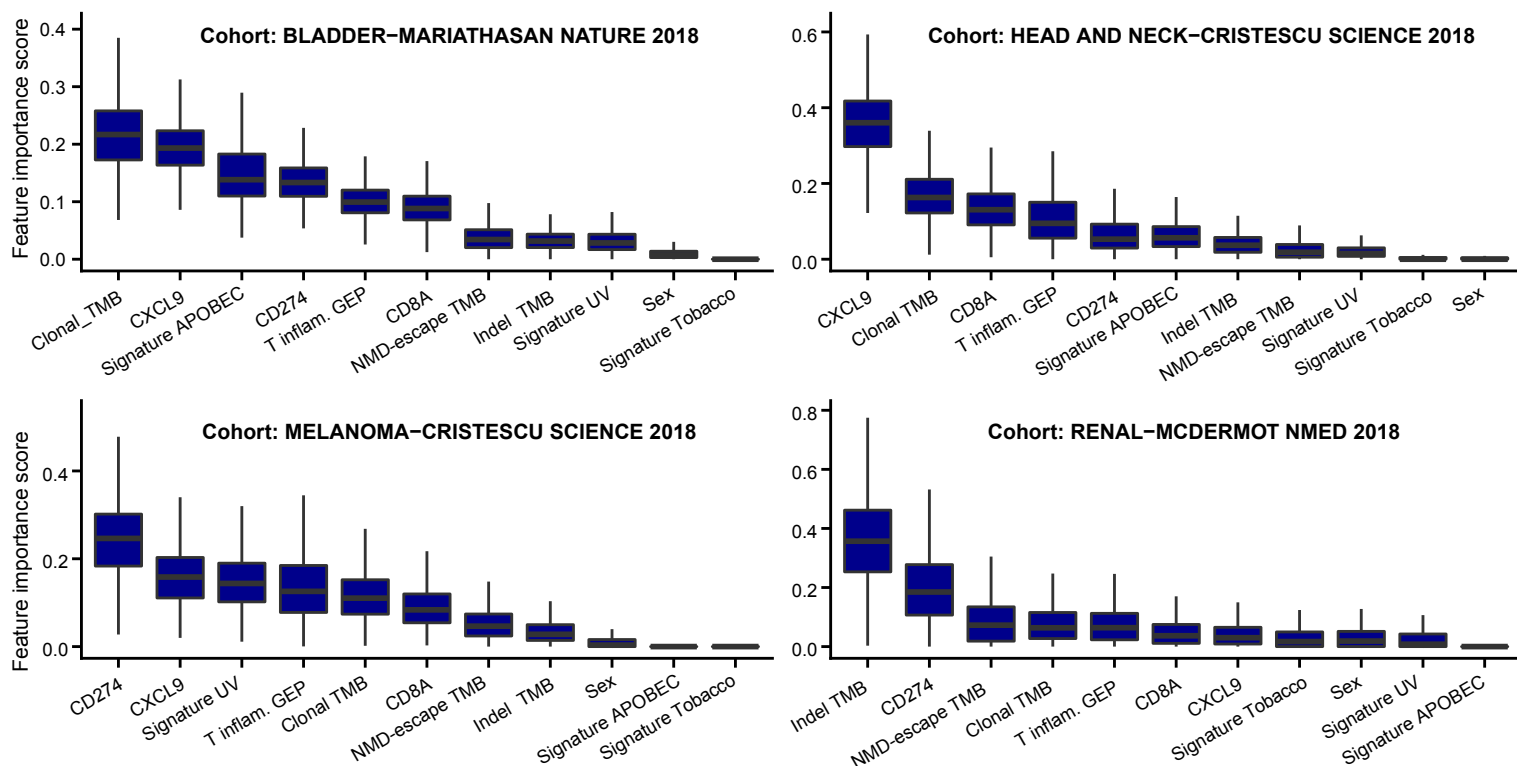


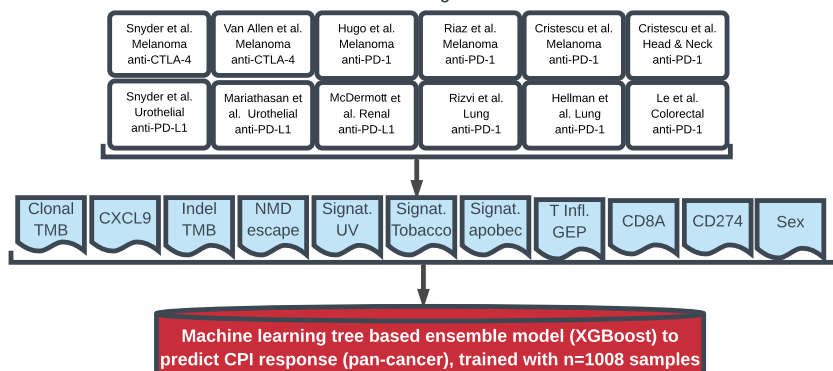
### 3A

#### Multivariable CPI stratifier training - four largest cohorts:



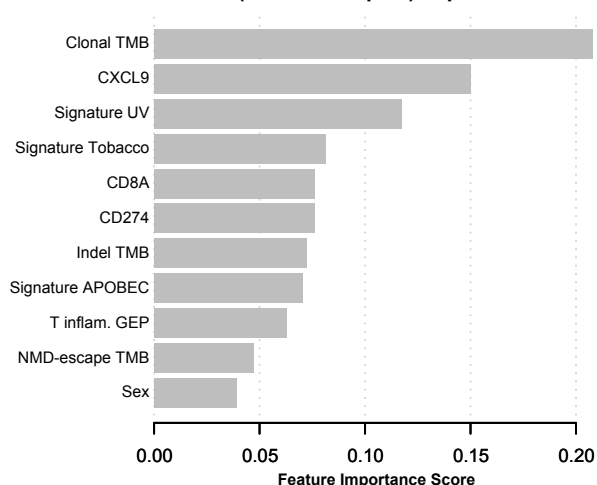
### 3B

#### CPI1000 training datasets:



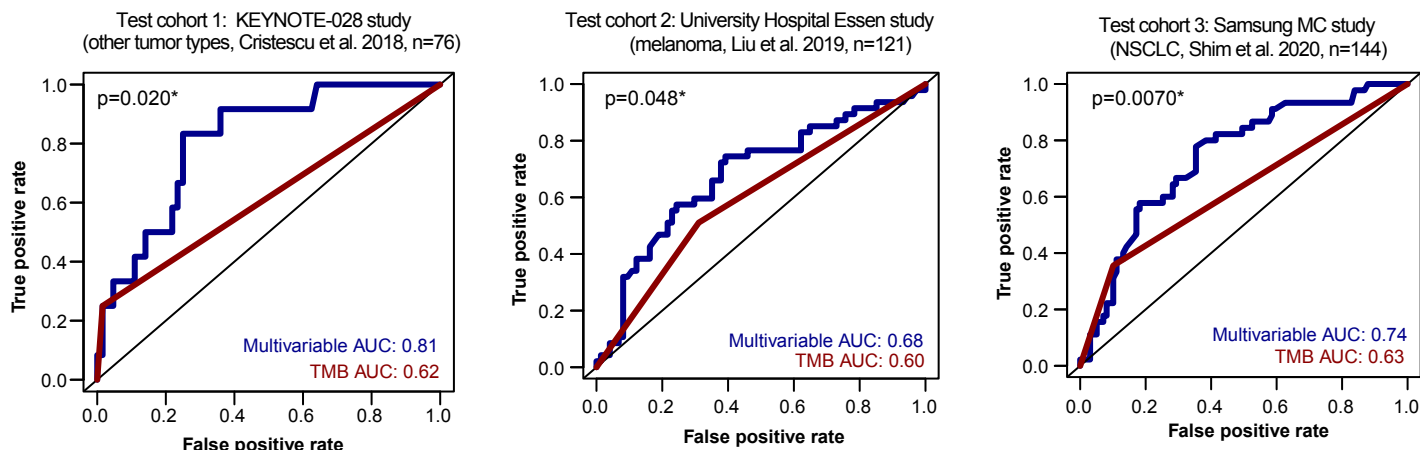
### 3C

#### Final trained model (n=1008 samples) importance scores:



### 3D

#### Testing of TMB versus multivariable CPI stratifier performance in three independent test cohorts (total n=341):



\*p-value for improved AUC performance for the multivariable vs TMB model, using DeLong's test