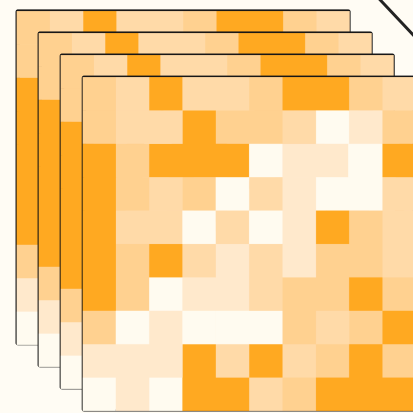


# Training TransNEO ( $n = 94$ )

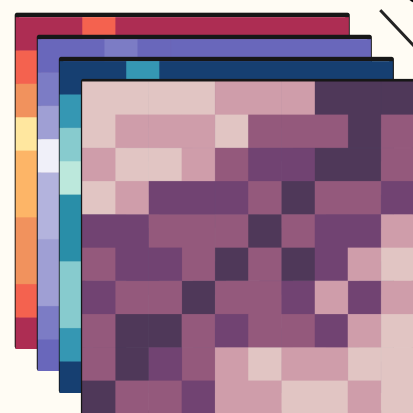
## STAGE I: DECONVOLUTION

Bulk Expression



Tumor types

Cell-type-specific Expression

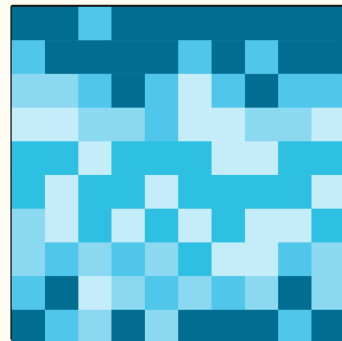


Cell types

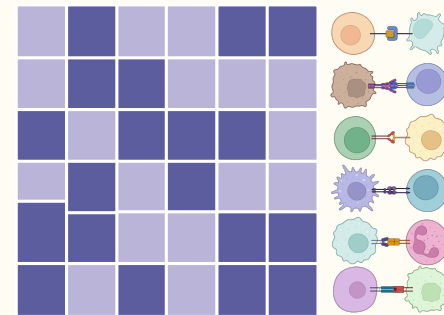
CODEFACS

LIRICS

Molecular Signature



Cell-cell Interactions



1 Likely to occur  
0 Unlikely to occur

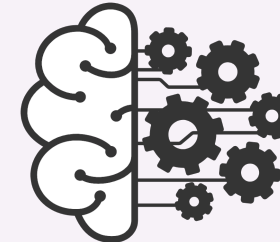
OR

## STAGE II: MACHINE LEARNING

Prefiltering

Low-var filtering

Feature selection



Classifier training

## Validation

ARTemis + PBCP ( $n = 55$ )

BrightNess ( $n = 106$ )

Zhang SC cohort ( $n = 15$ )



Predictor

Chemotherapy Response Prediction

