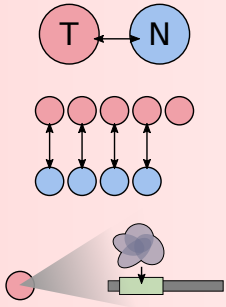


DATA RESOURCES

ANNOTATION



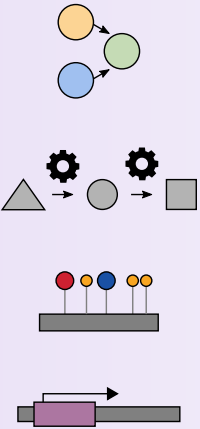
1

2

ENCODE Cancer Cell Line Summary

- Tumor normal pairs
- 4+1 case study subset
- Key transcription factors by cell line

DATA PROVISION



3

3

4

5

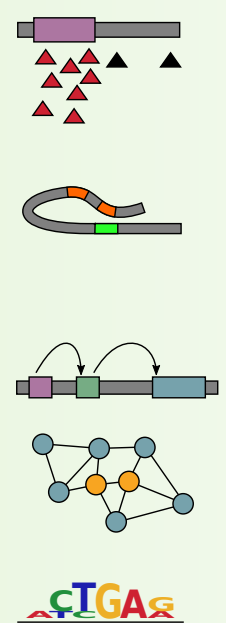
Deduplicated ENCODE Assays

Uniformly processed signal tracks

Variant calling (Liver validation set)

TCGA gene expression to ENCODE spec.

ANALYSIS



6

7

8

9

10

11

Background Mutation Rate + Burdening

Cis- Response Elements

Enhancer + Promoter Identification

— ESCAPE

— HisShape

Enhancer target prediction (JEME)

Network analysis

TF motif identification