

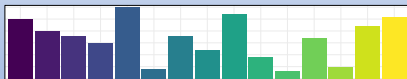
NEEDLE for gene discovery in non-model plants

Question



Input data

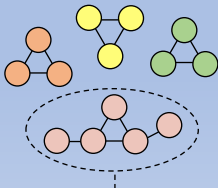
Dynamic transcriptome dataset



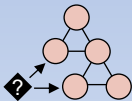
6 – 30 samples across variables (e.g., genotypes, tissues, or time points)

Prediction

Coexpression network modeling



GRN modeling



Validation

Promoter scanning



Transient reporter assay

