StressGenetic Deletions Drug Treatments

Target Gene

A

Training Phase

Genetic Deletions Stress Drug Treatments

Training Compendium of Expression Data

SSEM-Lasso Model RNA Change (Z-score)

B

Testing Phase

Perturbation of Interest

Outlier Analysis

Gene-Gene Interaction Effects

Gene Interaction Network

Rank Genes by Residuals

C

SSEM-Lasso Model

RNA Change (Z-score)