Identify query gene(s) of interest

Synthetic lethality data set

Feature Generation:
calculate pairwise scores from genomic data

Feature selection and Gaussian Mixture Model

Candidate prediction and calculation of significant enrichment in terms of known genes

Biological validation: conduct follow-up experiments

Characteristics:
- gene expression
- phenotypes
- sequences
- protein/RNA/gene characteristics

Statistical criteria:
- biological relevance

Gaussian Mixture Model