

Data

Analysis

Pathway Filter

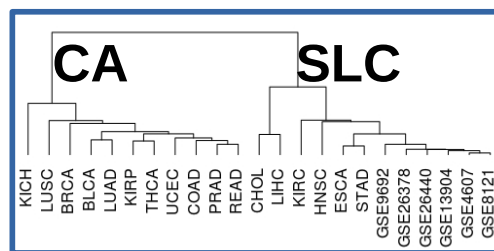
Interpretation

6 Transcriptome Data Sets
of Septic Shock (GEO)

- Gene Set Enrichment Analysis ($p < 0.01$)

17 Transcriptome Data Sets
of Cancer (TCGA)

- Gene Set Enrichment Analysis
- Hierarchical Clustering



- Significantly dysregulated in 80% of cancer types

- Network Analysis
- Machine Learning-based classification
- Survival Analysis

272 Pathways

All pathways in KEGG

90 Pathways

SS-specific pathways

Two cancer clusters

66 Pathways

Set of pathways that discriminate cancer groups

Biological significance

Clinical significance