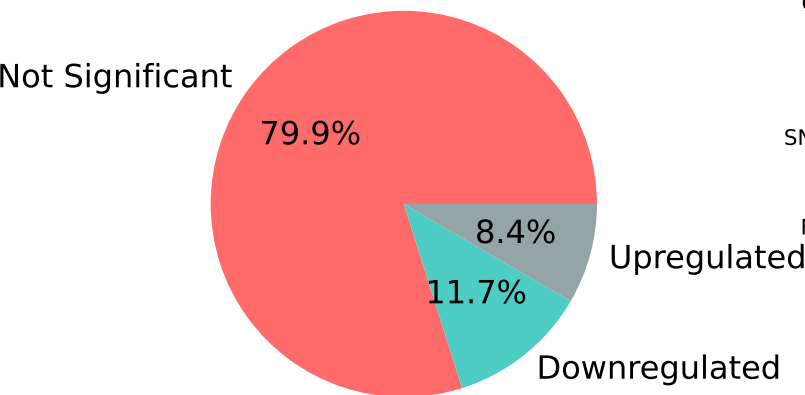
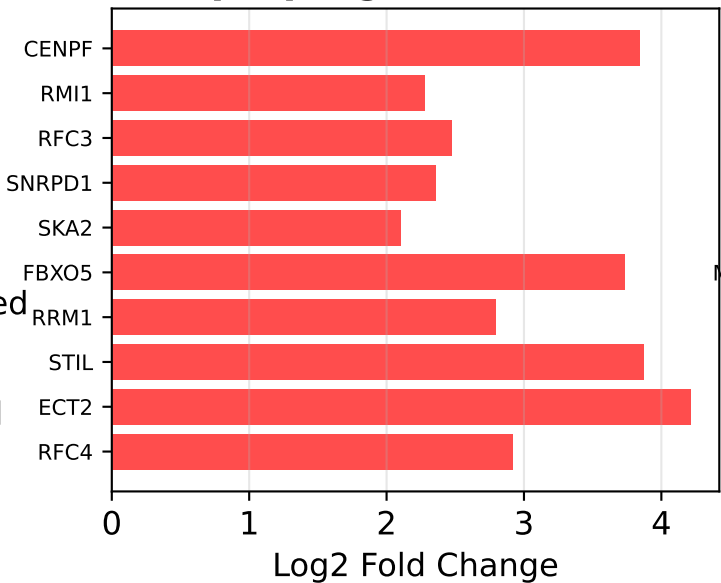


Lung Cancer Differential Expression Analysis - Summary Dashboard

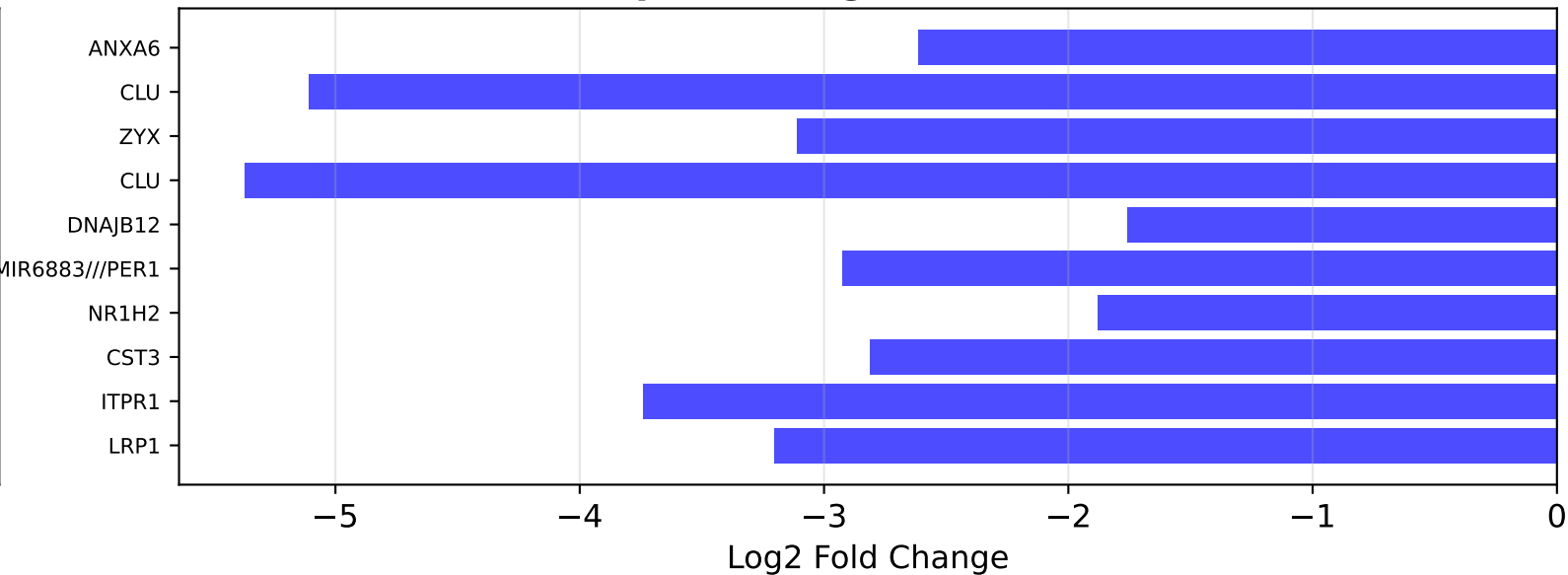
Gene Categories



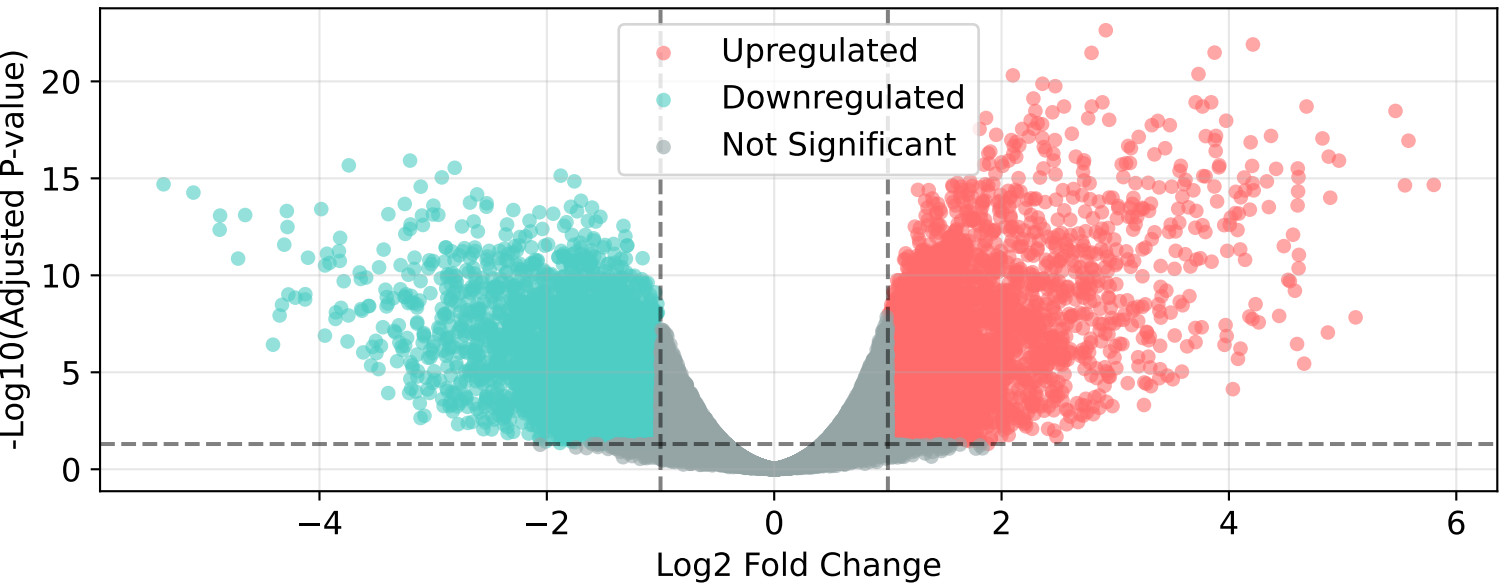
Top Upregulated Genes



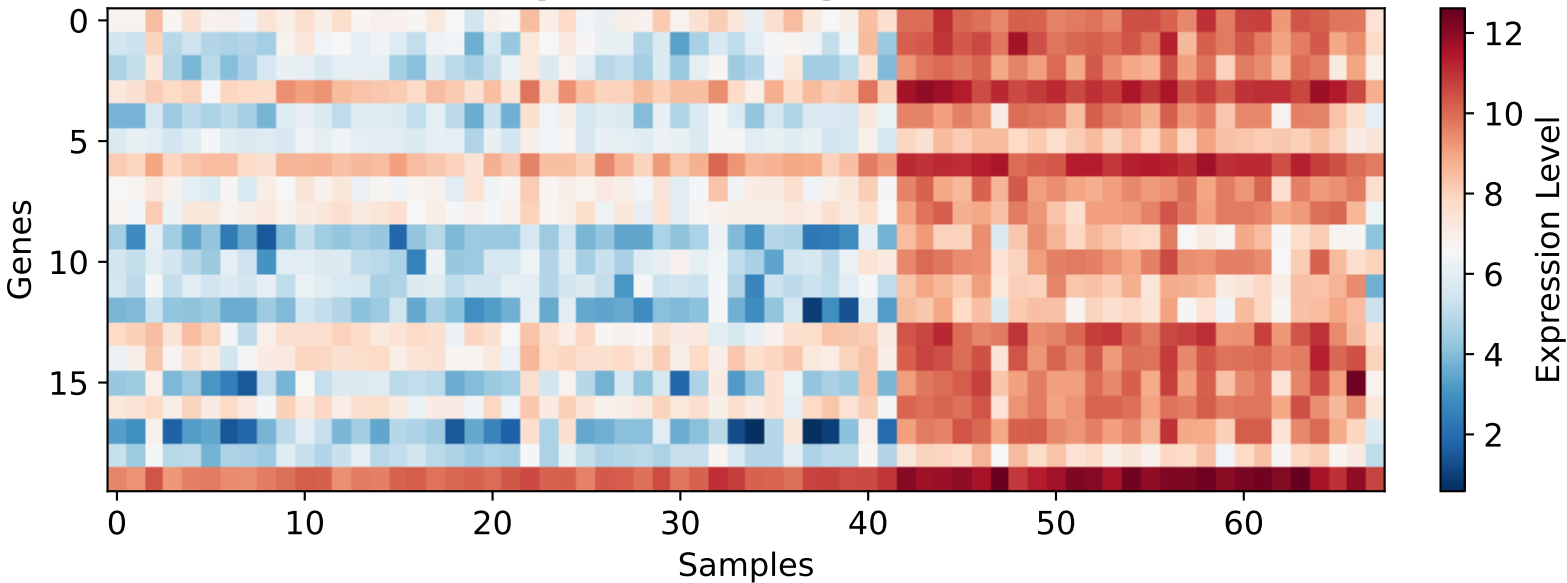
Top Downregulated Genes



Volcano Plot



Top 20 DEGs Expression



ANALYSIS STATISTICS

Total Genes Analyzed: 49,207
Significant Genes: 9,901
Upregulated: 4,133
Downregulated: 5,768

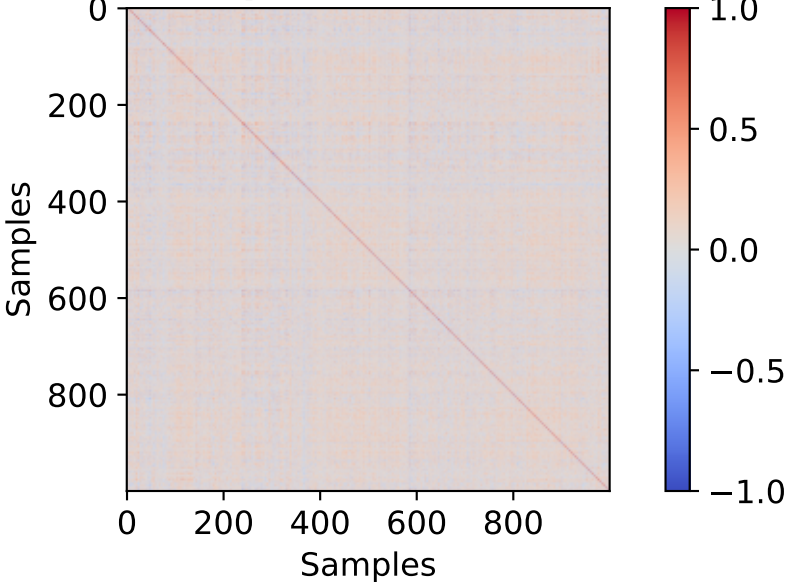
Samples:

- Normal: 43
- Cancer: 25

Significance Thresholds:

- FDR < 0.05
- |Log2FC| > 1.0

Sample Correlations



ANALYSIS WORKFLOW: Data Download → Quality Control → Differential Expression → Functional Enrichment → Visualization → Network Analysis