

# TrinotateWeb Entry Point

Trinotate Web for Annotation and Expression Analysis

Stats

Various summary stats go here...

Got 8694 genes and 9299 transcripts

Search

Text search of transcript annotations

Search

Still needed: search based on specific attribute: pfam, go, kegg, etc.

Pairwise Expression Comparisons (Volcano and MA plots)

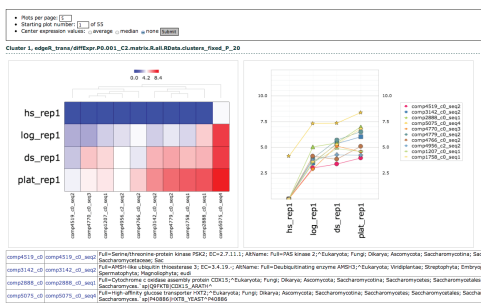
Multi-sample Comparisons (Expression Profiling)

Go to the interactive heatmap for all DE transcripts.

Analyses of clusters of expression profiles:

edgeR\_trans/diffExpr.P0.001\_C2.matrix.R.all.RData.clusters\_fixed\_P\_20 with 55 clusters.

# Clustered Expression Profiles



# Transcript Annotations (Gene: comp3142\_c0, Transcript: comp3142\_c0\_seq2)

## Blast Hits, Pfam Domains, etc.

Reference Sequence

ORF:m.2492

Pfam for m.2492

BLAST for m.2492

Expression info

Heatmap of expression profiles for 4 replicates (hs\_rep1, log\_rep1, ds\_rep1, plat\_rep1) across 55 clusters. The color scale ranges from -2.5 (blue) to 2.5 (red).

Line plot showing expression profiles for the same replicates and clusters. The y-axis ranges from 2.5 to 10.0.

Table of gene names and their corresponding cluster IDs.

Very Early Release and Just Scratching the Surface

# Individual Transcript Expression Profiles

# Transcript and Protein Sequences