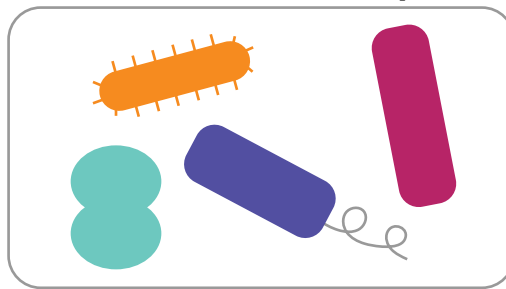# Microbiome Sample

Metagenomics/Metatranscriptomics

QC and Contamination Removal

Taxonomic Profiling

Functional Profiling and Annotation
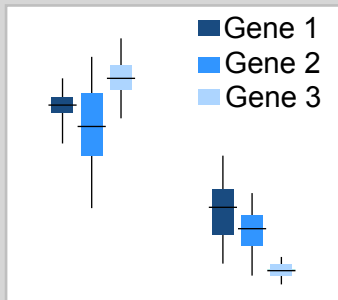
Annotated Gene Abundance Matrix

WHAM! Exploratory Downstream Analysis

Comparative Gene Abundance
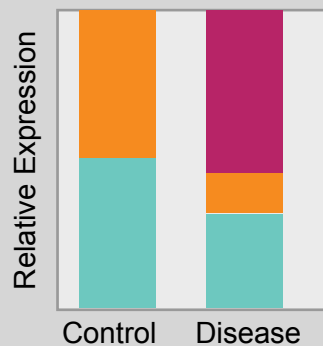
Relative Expression

- Gene 1
- Gene 2
- Gene 3

Control   Disease

Species Contribution to Gene Abundance

Gene 1

Relative Expression

Control   Disease

- Species X
- Species Y
- Species Z

Gene Abundance Pairwise Correlations

Gene 1
Gene 2
Gene 3
Gene 4
Gene 5
Gene 6

Gene 1 Gene 2 Gene 3 Gene 4 Gene 5 Gene 6