artMS
Analytical R Tools
for Mass Spectrometry

http://artms.org   Bioconductor
OPEN SOURCE SOFTWARE FOR BIOINFORMATICS

Input Files

evidence.txt

keys.txt

contrast.txt

config.yaml

- Annotations
- Summary files in different format (xls, txt) and shapes
- Numerous summary plots
- Enrichment analysis using Gprofiler
- PCA of protein abundance
- PCA of quantifications
- Clustering analysis

Functional analysis

artmsAnalysisQuantifications()

artmsEvidenceToSAINTq()
artmsEvidenceToSaintExpress()
artmsPhosfateOutput()
artmsPhotonOutput()
etc

Miscellaneous

EXCEL
-results-summary.xlsx

TXT FILES
-results-abundance-long.txt
-results-abundance-wide.txt
-results-enrich-MAC-allsignificants-corum.txt
-results-enrich-MAC-allsignificants.txt
-results-enrich-MAC-negatives-corum.txt
-results-enrich-MAC-negatives.txt
-results-enrich-MAC-positives-corum.txt
-results-enrich-MAC-positives.txt
-results-log2fc-long.txt
-results-log2fc-wide.txt
-results.log2fc-clusterheatmap-enriched.txt
-results.log2fc-clusterheatmap.txt

PDF FILES
-results-enrich-MAC-allsignificants-corum.pdf
-results-enrich-MAC-negatives-corum.pdf
-results-enrich-MAC-positives-corum.pdf
-results-pca-correlations.pdf
-results-pca-pca01.pdf
-nuesults-pca-pca02.pdf
-results-pca-pca03.pdf
-results.clustering.abundance.all-overview.pdf
-results.clustering.abundance.all-zoom.pdf
-results.clustering.log2fc.all-overview.pdf
-results.clustering.log2fc.all-zoom.pdf
-results.clustering.log2fcSign.all-overview.pdf
-results.clustering.log2fcSign.all-zoom.pdf
-results.distributions.pdf
-results.distributionsFil.pdf
-results.imputation.pdf
-results.log2fc-clusterheatmap.pdf
-results.log2fc-clusters.pdf
-results.log2fc-corr.pdf
-results.log2fc-dendro.pdf
-results.log2fc-individuals-pca.pdf
-results.TotalQuantifications.pdf
-results.correlationConditions.pdf
-results.correlationQuantifications.pdf
-results.relativeABUNDANCE.pdf
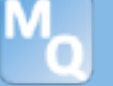-results.reproducibilityAbundance.pdf

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Input Files
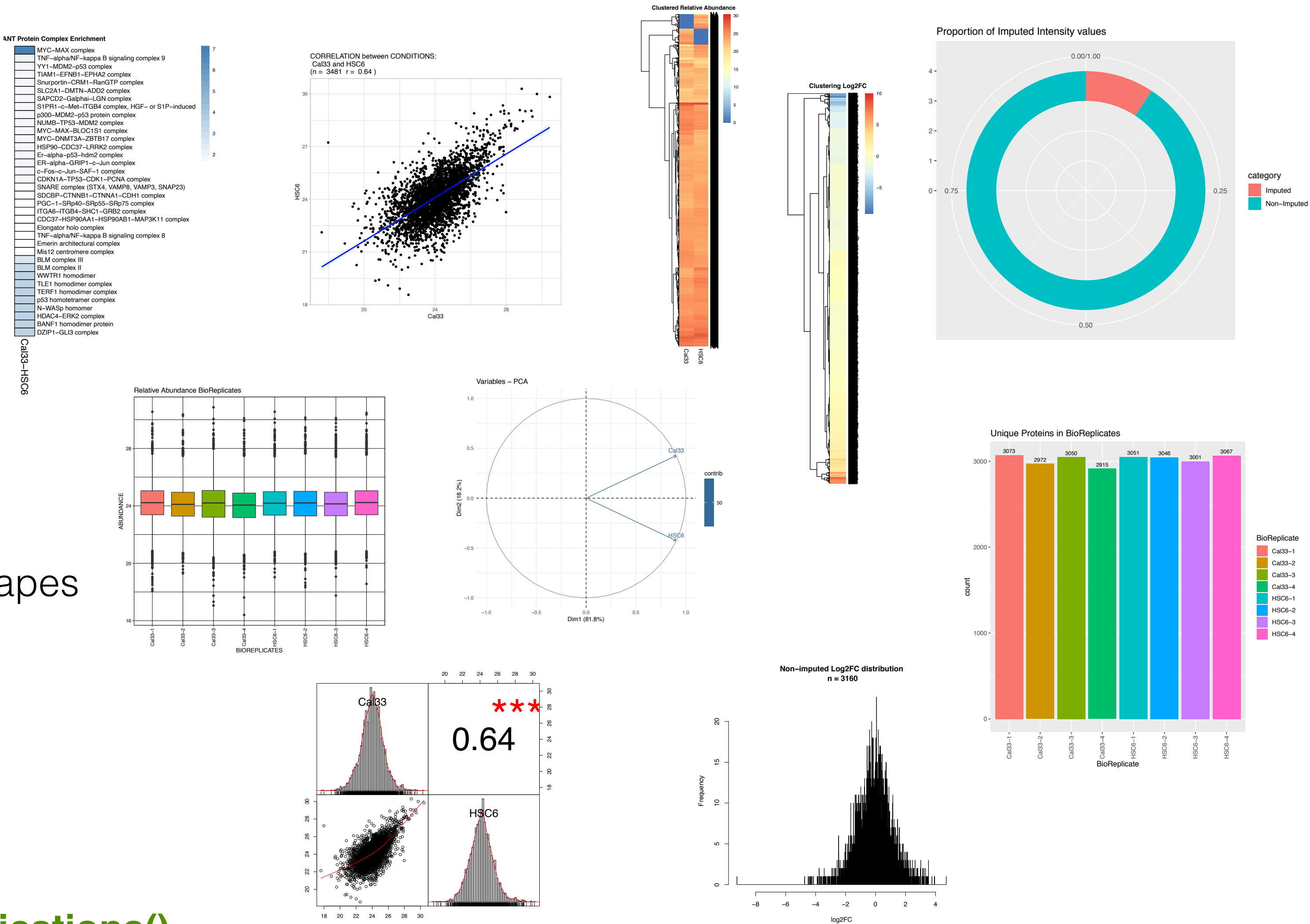- evidence.txt
- keys.txt
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