Summary report: feature, sample, missingness (warning messages) Logarithm transformation with base 2 or 10 Normalization: bias of MS run Constant normalization Quantile normalization normalization using global standard proteins Model-based run quantification Tukey's median polish or linear model Explanatory Label-based or label-free data analysis: Censored or random missing values (pre-analysis) Imputation by accelerated failure model or not Visualization dataProcessPlots Profile plot Quality control plot Condition plot Visualization modelBasedQCPlots Residual plot Normal quantile-quantile plot Comparisons between conditions groupComparison Lists of adjusted p-values fitted with a variety of models Model-based Multiple comparisons analysis: groupComparisonPlots Visualization (testing) Heatmap Volcano plot Comparison plot designSampleSize Sample size calculation Design of Sample size calculation: # of biological replicates according to FDR and CV a future Power calculation experiment Visualization designSampleSizePlots Quantification quantification Model-based **Analysis:** Sample quantification (quantification) Group quantification

dataProcess

Data Process