



#### Part I: Normalization & Summarization

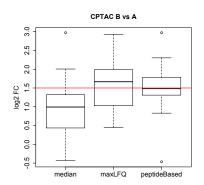
Lieven Clement

Proteomics Data Analysis 2018, Gulbenkian Institute, May 28 -June 1 2018.

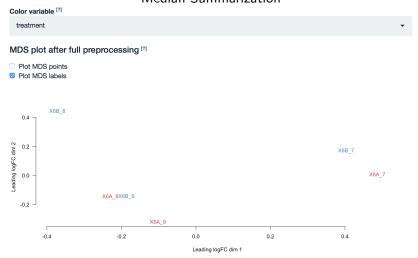
### Comparison of FC estimates upon summarization

#### **Problems**

- strong peptide-effects
- # peptides/sample
- non-random missingness

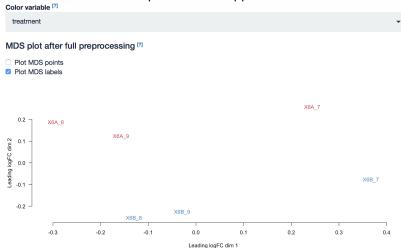


## Median Summarization vs Peptide Based Approach Median Summarization

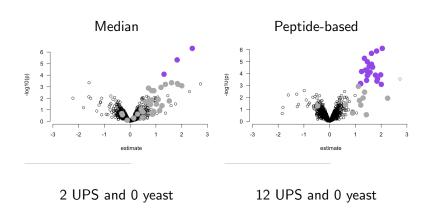




# Median Summarization vs Peptide Based Approach Peptide Based Approach



### Median Summarization vs Peptide Based Approach





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