

Authentication

Logged as
admin

Logout

Session

S27974

Description

none

Upload your data table (CSV format with either a semicolon or a comma as separator) ?

Study Design - Number of Factors:

2 ▼

Data format:

samples in rows ▼

Separator

semicolon (;) ▼

Imported data file (.csv) :

Choisissez un fichier data_NM...bc7.csv ✓

Association file (.csv) (optional) :

Choisissez un fichier Aucun fichier choisi

Validate

RESET

Information about the uploaded dataset

Filename: data_NMRFRIM3-4_bc7.csv (43 rows x 360 columns)

Dataset: 2 Factors, 43 samples, 357 variables

Samples: Samplecode : F3-001 ... F4-093

Factor1: Condition : Control Shadow

Factor2: Stage : J08 J15 J28 J55

Variables: B9_1272 ... B0_8271

Next Step →

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none

Selection

Workflow for testing only | Proceed from the Dataset : imported dataset ▼ Reset ?

+ Split Names ?

+ Conditional Filtering ?

+ Missing Values (Filtration) ?

+ Missing Values (Imputation) ?

- Scaling ?

Launch

Logarithmic transformation: None log2 log10

Scaling Method: Centering Zscore Pareto Vast Range Level L1 L2 none

QQ-plot && Kernel Density: no yes | Label size: 2 ▼

- PCA ? ✕

Launch

Scale: Yes No

Labels on Score graphs: Yes No | Scores within ellipses: Yes No | Label size: 2 ▼

Use Associations Labels: Yes No | Highlighted: Yes No

-- Add an analysis -- ▼

Launch Analysis

Normality Test before scaling:

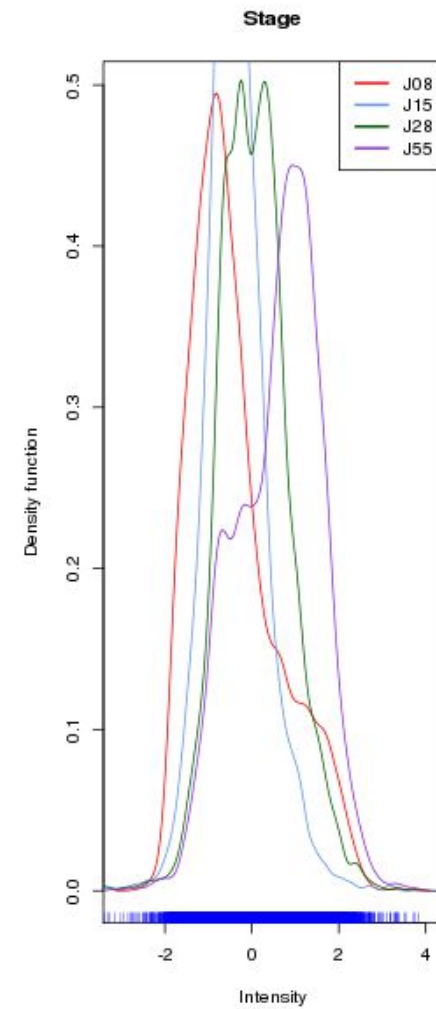
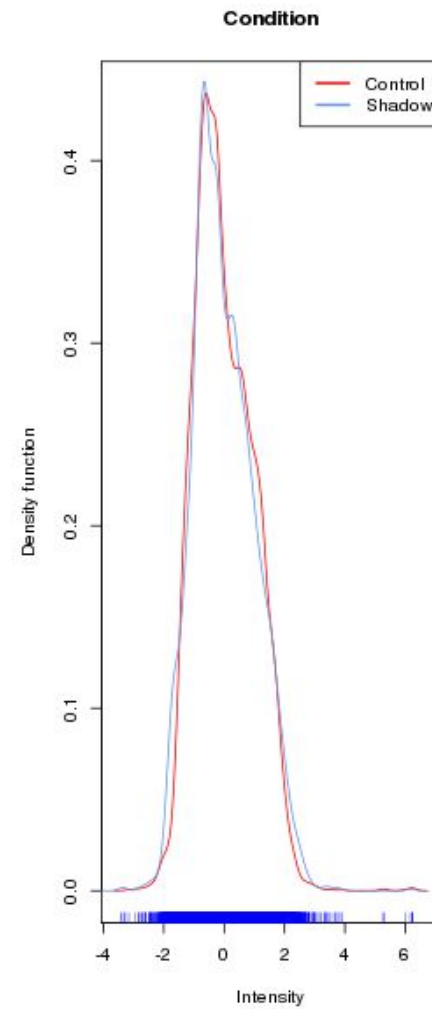
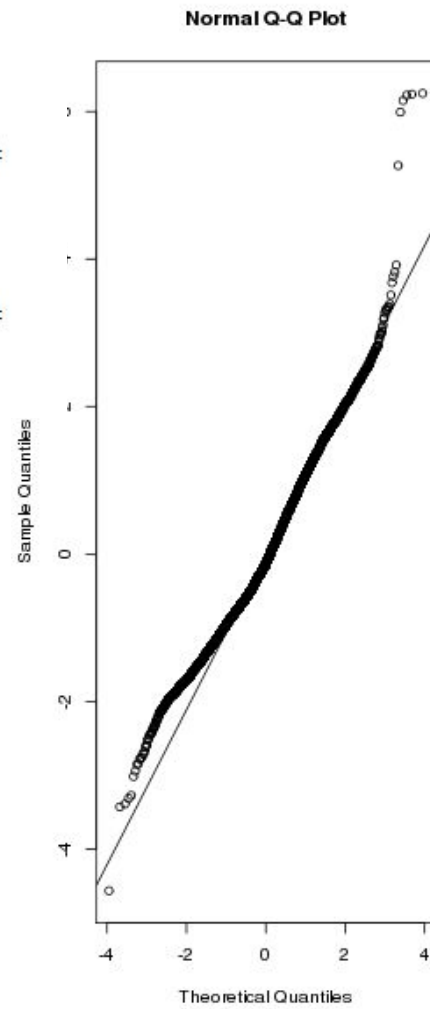
Lilliefors (Kolmogorov-Smirnov) normality test

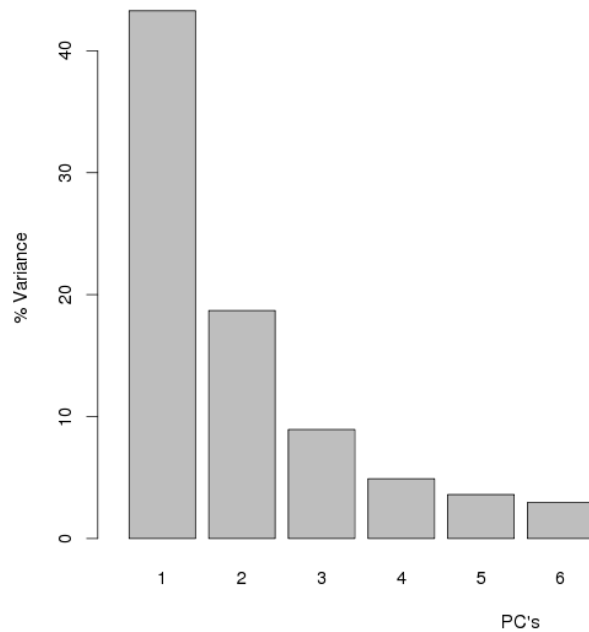
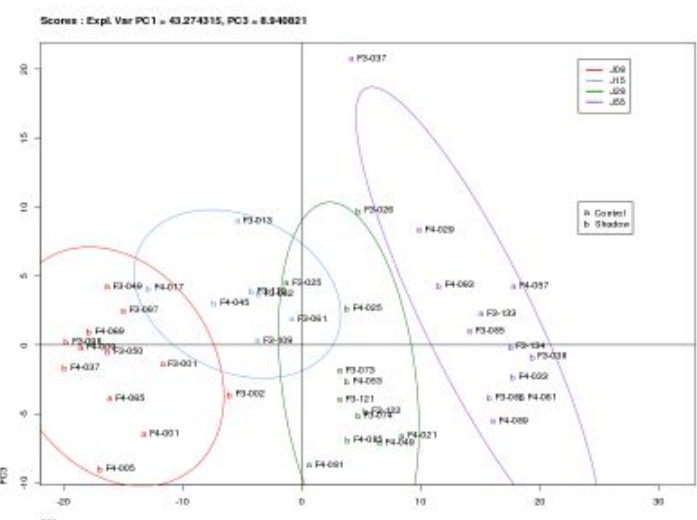
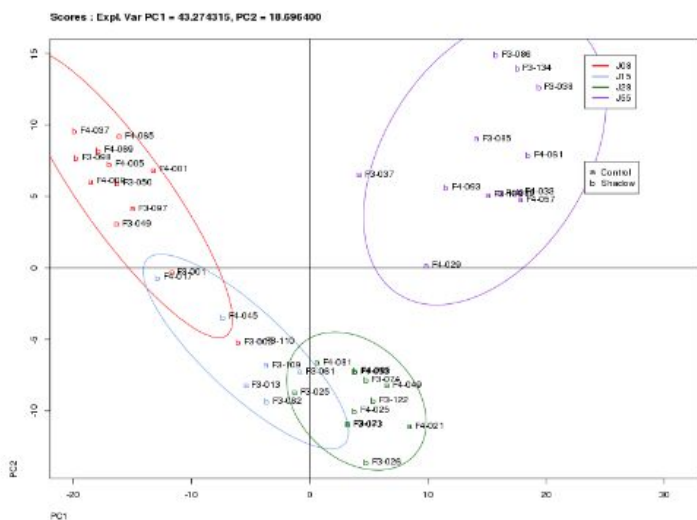
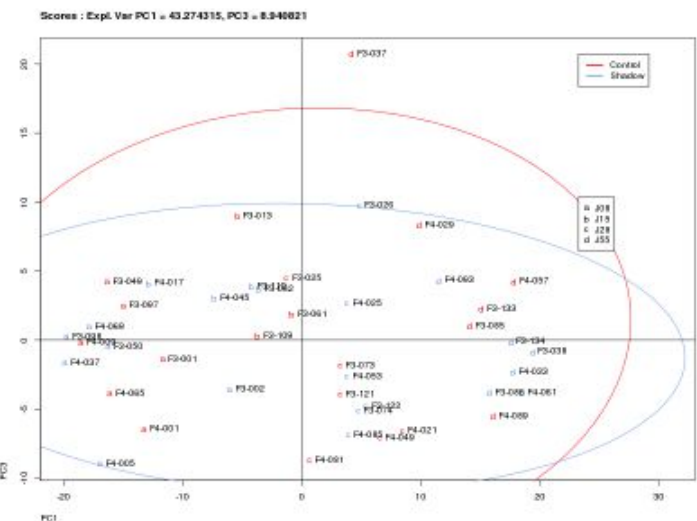
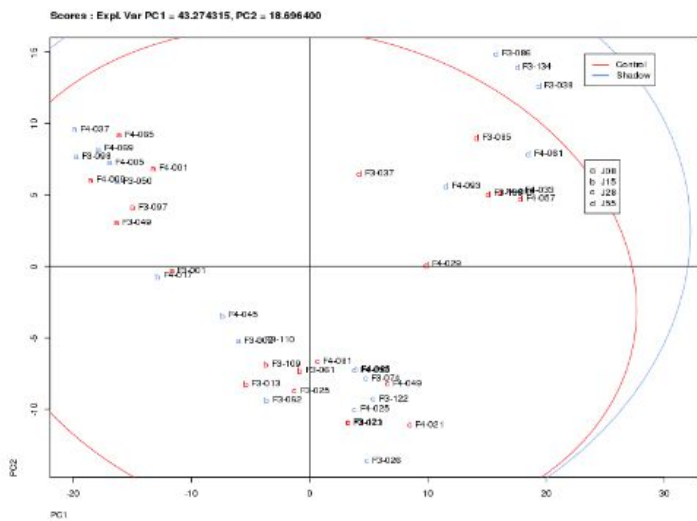
data: vec
D = 0.3385, p-value < 2.2e-16

Normality Test after scaling:

Lilliefors (Kolmogorov-Smirnov) normality test

data: vec
D = 0.0617, p-value < 2.2e-16





PC1 vs. PC2

PC1 vs. PC3

VOLCANO-PLOT

Launch

Factors: Both Factor 1 Factor 2 | Factor1 Ref: | Factor2 Ref:

P_value threshold: | Adjustment: None Holm False Discovery Rate Bonferroni

Fold threshold: | Zoom on the FOLD range: Yes No | View FOLD range: +/-:

Label size: | Use Associations: Yes No

OPLS-DA

Launch

Nb. Comp. Cutoff: | Nb. Comp: | permutations for validation:

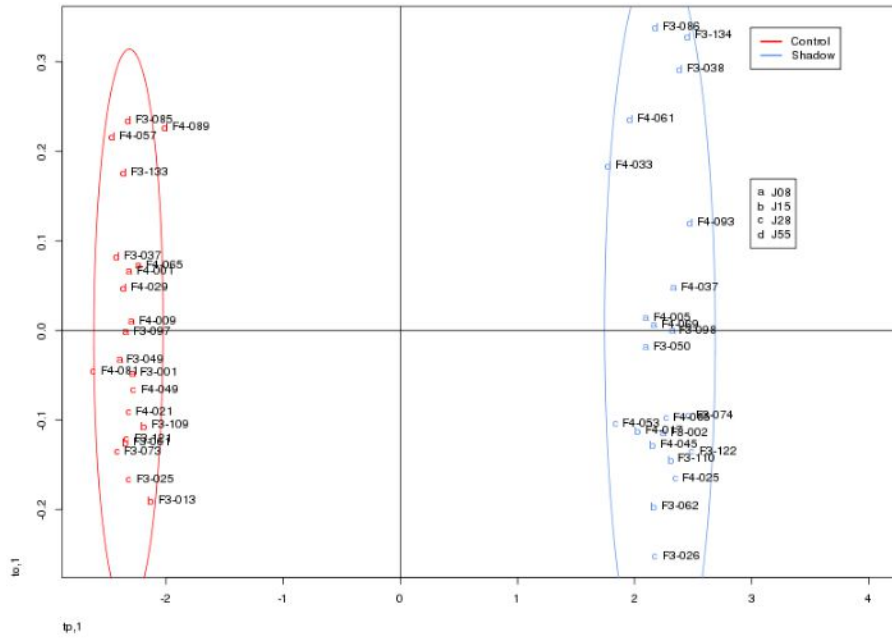
Labels on Score graphs: Yes No | Scores within ellipses: Yes No | Label size:

Use Associations Labels: Yes No

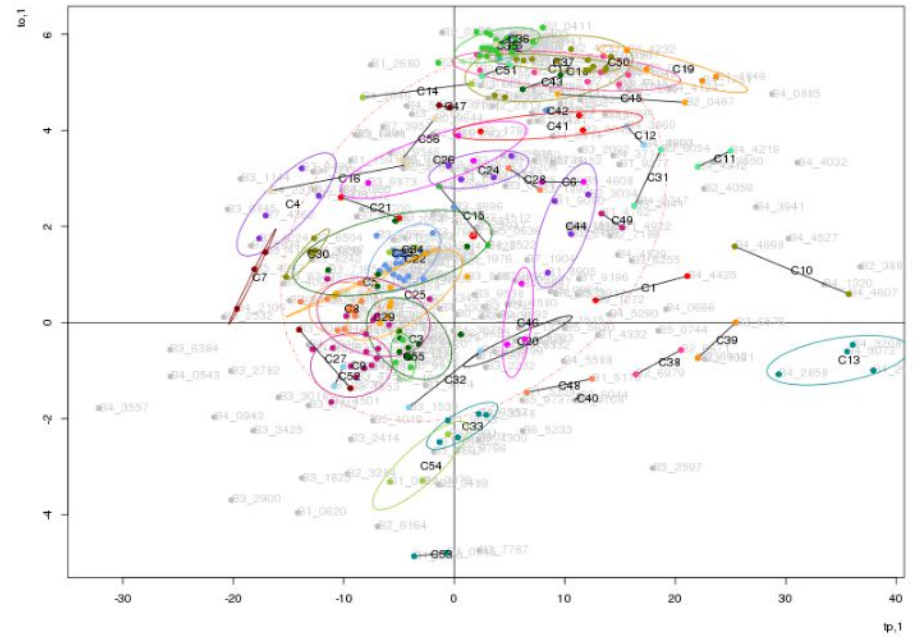
-- Add an analysis --

Launch Analysis

Score Plot : Orthogonal vs. Between groups



Loadings Plot : Orthogonal vs. Between groups



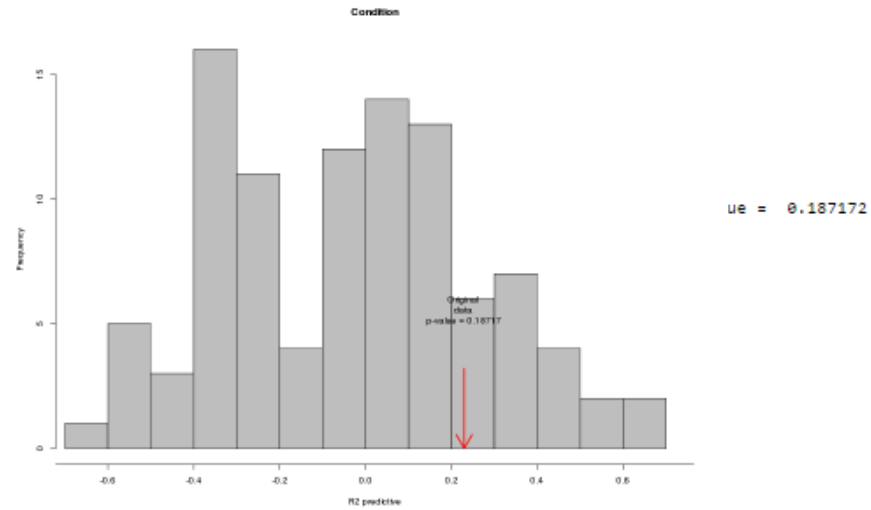
[1] "Explained variations"

[,1]

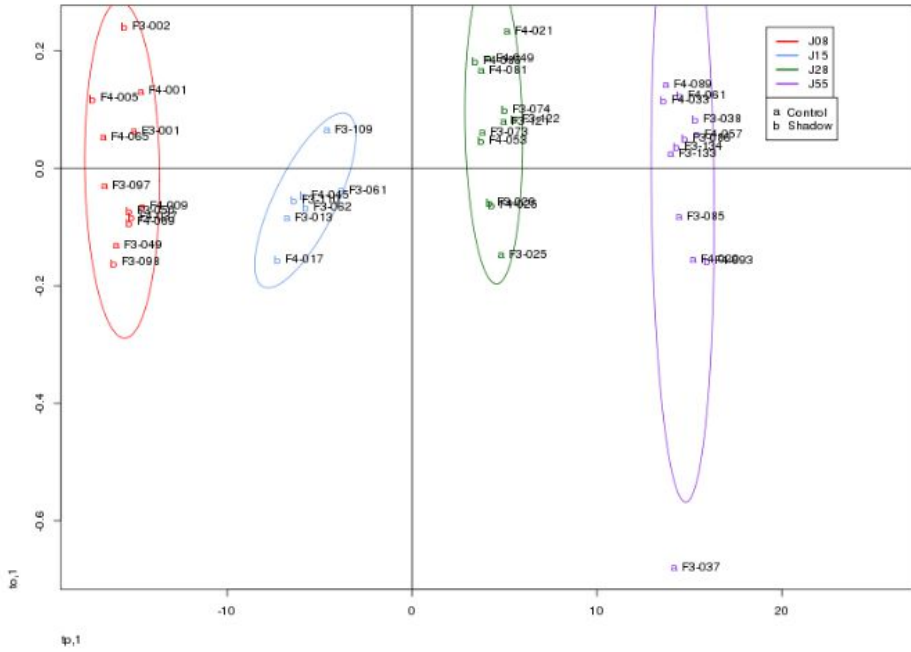
R2 X,Y 0.01346717
 R2 X,to 1.09764793
 R2 Xm,Y 0.62570661

Q2Y

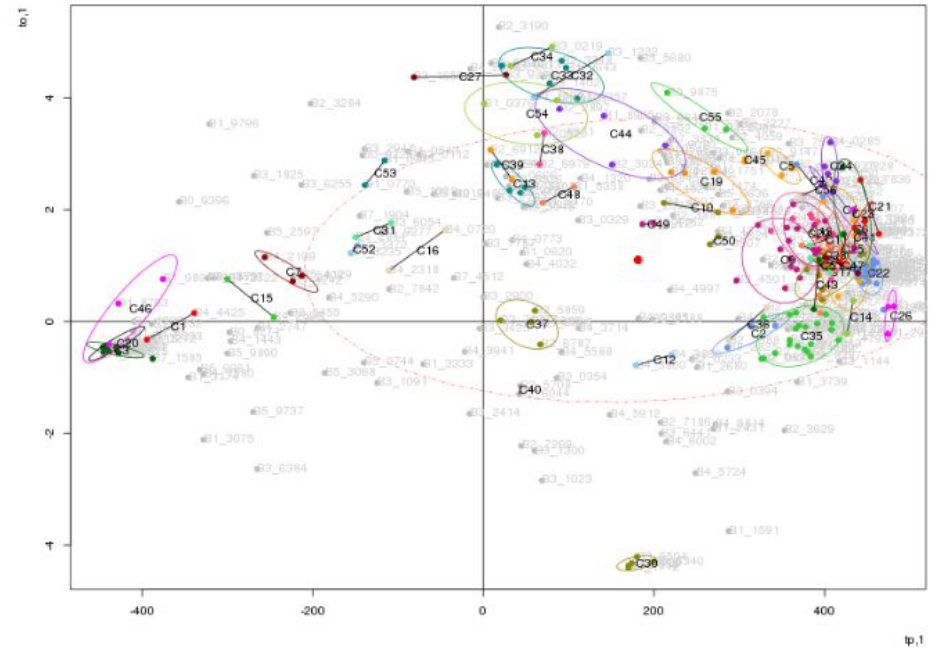
[1,] 1 -34.82270798
 [2,] 2 0.06533651
 [3,] 3 11.32092510
 [4,] 4 5.33908243



Score Plot : Orthogonal vs. Between groups



Loadings Plot : Orthogonal vs. Between groups



[1] "Explained variations"

[,1]
 R2 X,Y 0.3993028
 R2 X,to 0.6889922
 R2 Xm,Y 0.9953642

Q2Y
 [1,] 1 91.47326
 [2,] 2 91.09128
 [3,] 3 93.20604
 [4,] 4 93.64144
 [5,] 5 94.58127
 [6,] 6 94.78715
 [7,] 7 94.86542
 [8,] 8 94.11266
 [9,] 9 94.06036
 [10,] 10 93.78865

