# Auto report file naming

# QC

- Use CV_export_app to export the table
- Filename structure:

QC_PTK.csv

File type. Should be QC.

Assay type. Options: PTK or STK

Tercen

# Phosphosite Analysis (Limma)

- Running a stats app in Tercen will automatically export the table needed for reporting. Rename this file.
- PTK and STK files have to contain the exact same supergroup name!
- Filename structure:

Limma_PTK_01_Supergroup.csv

Stats type: Limma

Assay type. Options: PTK or STK

Order, defines ordering in report.

Supergroup: the name of the supergroup **factor**.
NOT the name of the supergroup! This is NOT displayed in Table 1.
Must be unique. E.g. Supergroup or Test condition.
Both supergroup names and comparisons come from the file.

**Output:**

| Assay Type | PTK | |
|---|---|---|
| Comparisons | Up | Down |
| 1-A219 - T1 vs Control[a] | 8 | 11 |
| 1-A219 - T2 vs Control[a] | 0 | 7 |
| 1-A219 - T2 vs T1[a] | 1 | 1 |

[a]*Significance was obtained using Limma, p<0.05.*

# Phosphosite Analysis (T-Test supergroup)

- Running a stats app in Tercen will automatically export the table needed for reporting. Rename this file.
- PTK and STK files have to contain the exact same supergroup name!
- Filename structure:

TT_PTK_01_T vs C.csv

- Stats type: TT
- Assay type. Options: PTK or STK
- Order, defines ordering in report.
- Comparison, e.g. T vs C.
  Comparison is displayed in Table 1.
  Supergroups come from the file.

**Output:**

***Table 1**: Phosphosite Analysis*

| Assay Type | PTK | |
|---|---|---|
| Comparisons | Up | Down |
| Sgroup1 - T vs C [a] | 23 | 0 |
| Sgroup2 - T vs C[a] | 4 | 5 |

*[a]Significance was obtained using a two-sided unpaired Student's T-test, p<0.05.*

# Phosphosite Analysis MTvC

- MTvC filenames need to be different if you want to include multiple MTvC files in one report
- Running a stats app in Tercen will automatically export the table needed for reporting. Rename this file.
- Filename structure:

MTvC_PTK_01_10h.csv

Stats type: MTvC

Assay type. Options: PTK or STK

Order, defines ordering in table.

Name of Supergroup. E.g., timepoint, cell line. This is displayed in Table 1. Comparisons come from the file.

**Output:**

***Table 1**: Phosphosite Analysis*

| Assay Type | PTK | |
|---|---|---|
| Comparisons | Up | Down |
| 10h - T1 vs Control[a] | 0 | 32 |
| 10h - T2 vs Control[a] | 0 | 8 |
| 10h - T3 vs Control[a] | 10 | 0 |

*[a]Significance was obtained using a one-way ANOVA followed by a post-hoc Dunnett's test, $p<0.05$*

# Kinase Analysis (UKA 2023)

Tercen

## UKA MTvC filename structure:

UKA_PTK_01_ukam-Sgroup1 vs C.csv

↓ Autoreport generates „old" data format with these names:

UKA_PTK_01_Sgroup1 - T1 vs C.csv
UKA_PTK_02_Sgroup1 - T2 vs C.csv

- File type: UKA
- Assay type (PTK or STK)
- Order. Defines ordering in table.
- Uka types (ukam or ukat)
- Supergroup. If you don't have supergroup, give it a neutral name, e.g. Test
- Comparison. In format XvsY or X vs Y.

## UKA TGC filename structure:

UKA_PTK_01_ukat-T vs C.csv

↓

UKA_PTK_01_Sgroup1 – T vs C.csv
UKA_PTK_02_Sgroup2 – T vs C.csv

UKA_PTK_01_ukat-Sgroup2 vs Sgroup1.csv

↓

UKA_PTK_01_Control - Sgroup2 vs Sgroup1.csv
UKA_PTK_02_Test - Sgroup2 vs Sgroup1.csv

Comes from the file/Test Condition, not from the filename.

# Kinase Analysis (UKA 2022)

- Export report summary from UKA
- Filename structure:

UKA_PTK_01_T1vsT2.csv

- File type: UKA
- Assay type. Options: PTK or STK
- Order. Defines ordering in table.
- Comparison. In format XvsY or X vs Y.

Tercen

# Phosphosite Analysis (single MTvC or TT) deprecated!

- Running a stats app in Tercen will automatically export the table needed for reporting. Rename this file.
- Filename structure:

MTvC_PTK.csv

- Stats type. Options: MTvC or TT
- Assay type. Options: PTK or STK
- Order, only for TT. Defines ordering in table.
- Comparison, only for TT. In format XvsY or X vs Y.

BioNavigator

# QC

- Export **flat file** from BioNavigator after log2 transformation
  - Array factors: Barcode, Array, and Test condition
  - Spot factor: ID
  - Quantitation type: S100-logTransformed
- Filename structure:

QC_PTK.txt

File type. Should be QC.

Assay type. Options: PTK or STK

BioNavigator

# Phosphosite Analysis (T-Test supergroup)

- Take tab-delimited text files from BioNavigator of LogFC and P values from the DataExports folder
- PTK and STK files have to contain the exact same supergroup name!
- Filename structure:

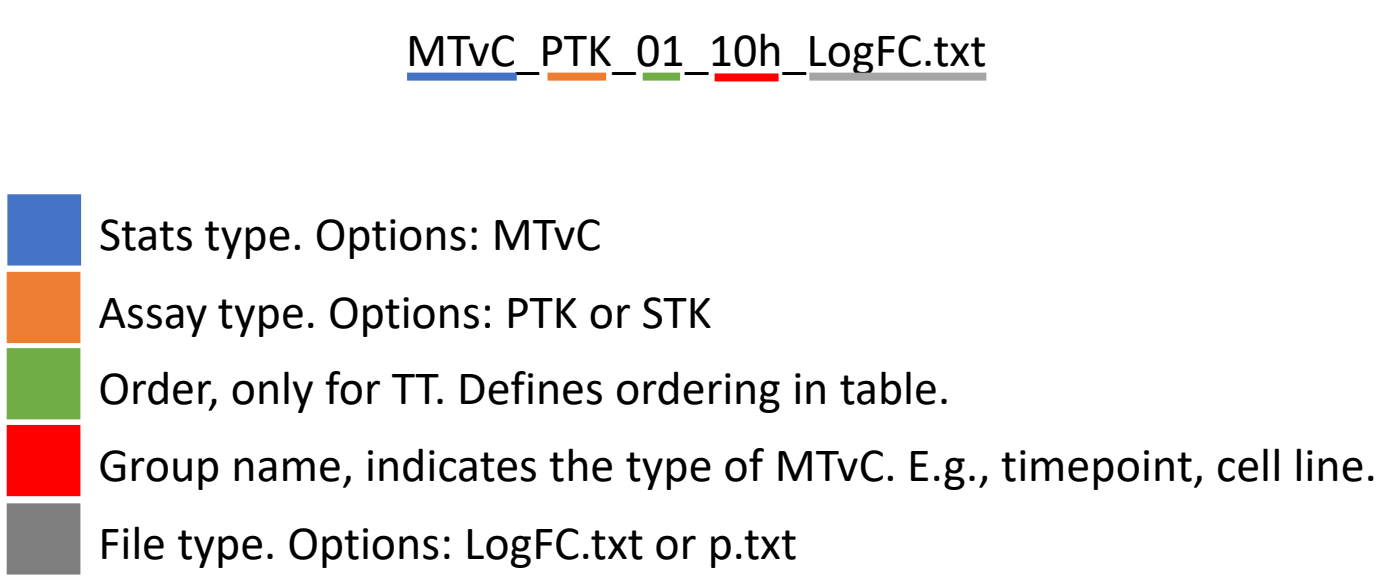
TT_PTK_01_Group_LogFC.txt

- Stats type. Options: MTvC or TT
- Assay type. Options: PTK or STK
- Order, only for TT. Defines ordering in report.
- Group, defines the name of the supergroup. Must be unique. Comparisons come from annotation.
- File type. Options: LogFC.txt or p.txt

BioNavigator

# Phosphosite Analysis multiple MTvCs

- MTvC filenames need to be different if you want to include multiple MTvC files in one report
- Take tab-delimited text files from BioNavigator of LogFC and P values from the DataExports folder
- Filename structure:

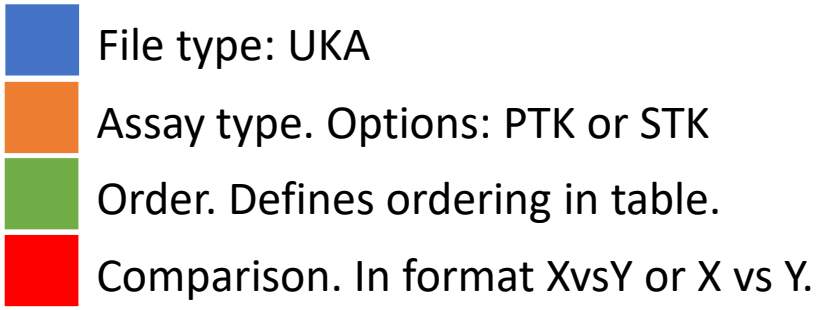


BioNavigator

# Kinase Analysis

- Export report summary from UKA
- Filename structure:

UKA_PTK_01_T1vsT2.txt



BioNavigator

# Phosphosite Analysis (single MTvC or TT) deprecated!

- Take tab-delimited text files from BioNavigator of LogFC and P values from the DataExports folder
- Filename structure:

MTvC_PTK_LogFC.txt

- Stats type. Options: MTvC or TT
- Assay type. Options: PTK or STK
- Order, only for TT. Defines ordering in table.
- Comparison, only for TT. In format XvsY or X vs Y.
- File type. Options: LogFC.txt or p.txt