Create the Experimental Design in a txt format

Main Information about the experimental .txt file.

The file contains should contain 4 columns with the following names:

"Name", "Experiement", "Groups", and "File"

Each column represent the following information:

- Name: the name of the column with the information about each peptide/protein as it is from the given file.
- Experiment: unique name of each measured sample
- Groups: unique name of the condition of the file
- File: defines which samples would be consider in the analysis ("T"), which not (empty cell) and which are the control ("C") by using T, C, or empty cell.

Note:

More columns with additional information can been include in the file by creating more columns but they will not been used in the SafeQuant.

Experimental Design for the Progenesis files:

If the columns with the information have the following names from a Progenesis files:

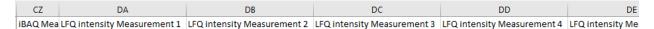
AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	ВВ	BC	BD	BE
Raw abundance													
Α			В			С			D			E	
Measure 1	Measure 2	Measure 3	Measure 4	Measure 5	Measure 6	Measure 7	Measure 8	Measure 9	Measure 10	Measure 11	Measure 12	Measure 13	Measure 14

Then the experimental design should have the following format:

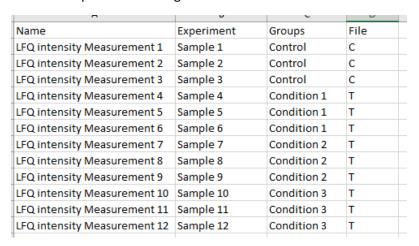
Name	Experiment	Groups	File
Measure_1	Sample_1	Control	С
Measure_2	Sample_2	Control	С
Measure_3	Sample_3	Control	С
Measure_4	Sample_4	Condition_1	T
Measure_5	Sample_5	Condition_1	T
Measure_6	Sample_6	Condition_1	Т
Measure_7	Sample_7	Condition_2	Т
Measure_8	Sample_8	Condition_2	T
Measure_9	Sample_9	Condition_2	T
Measure_10	Sample_10	Condition_3	T
Measure_11	Sample_11	Condition_3	T
Measure_12	Sample_12	Condition_3	T
Measure_13	Sample_13	Condition_4	Т
Measure_14	Sample_14	Condition_4	Т

Experimental Design for the MaxQuant files:

If the columns inside the MaxQuant output have the following names:



Then the experimental design should be set as follow:



Experimental Design for the Spectronant files:

When the columns of the Spectronant output have the names as follow:

AD	AE	AF	AG	
[8] Measu	[1] Measurement-1.raw.PG.MS2Quantity	[2] Measurement-2.raw.PG.MS2Quantity	[3] Measurement-3.raw.PG.MS2Quantity	[4] Measur

The experimental design should be set as:

Name	Experime	Groups	File
[1] Measurement-1.raw.PG.MS2Quantity	C2_1	C2	Т
[2] Measurement-2.raw.PG.MS2Quantity	C2_2	C2	Т
[3] Measurement-3.raw.PG.MS2Quantity	C2_3	C2	Т
[4] Measurement-4.raw.PG.MS2Quantity	C2_4	C2	Т
[5] Measurement-5.raw.PG.MS2Quantity	C1_1	C1	С
[6] Measurement-6.raw.PG.MS2Quantity	C1_2	C1	С
[7] Measurement-7.raw.PG.MS2Quantity	C1_3	C1	С
[8] Measurement-8.raw.PG.MS2Quantity	C1_4	C1	С