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correlations-PCAplots-statistics

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Hi Lalit

How are you?

I am wrapping up yet another paper - this time concerning 3 protease mutants (named OOP, PREP and TRIPLE) and wt. Giulia did again a comparative proteomics experiments with 3 biological replicates.

As before, I was hoping you could do again the following:

1. PCA plots showing each of the 12 samples (lanes) - please use here NadjSPC (columns - AD to AO). Perhaps you can try two plots: a. for all data (all rows), b. only those rows for which the total AdjSPC is 60 or higher (column Q in red).
2. A pairwise correlation analysis for all 12 samples - also please use here NadjSPC (columns - AD to AO).
3. determine statistical significance for each protein (row) - using the two stats software packages (QSPEC and our own). I think we always use the AdjSPC (columns R-AC). Our packages are for pairwise comparisons (I believe). So the most relevant is to compare each mutant to the wt. However, also relevant is the triple mutant compared to each parent (oop and Prep) . Other combinations are less interesting.

What do you think? Interested, do you have time?

thanks

klaas

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SPC-PREP-OOP-forLaliv1.xlsx

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