

# Diagram of functions to mCP

## Workflow

## Functions

- 1) Input Data from machine
- 2) Corum list

1)  $F(x) = \text{input\_mCP}$

input\_mCP will take the data and prepare it as An input to mCP, this one we can work later

Input Data to mCP

2)  $F(x) = \text{Complexes\_list}$

Complexes\_list: It will take the data and make a list of all plots possible in the experiment in reference to the Corum list.

List of complexes

3)  $F(x) = \text{mCP\_Plotter}$

mCP\_Plotter: It will take the list and plot all protein Complexes & heatmaps that:  
1) have more than 2 proteins  
2) have more than 2 proteins and Pearson correlation > 0.93.

mCP output 1

4)  $F(x) = \text{mCP\_ROC}$

mCP\_ROC gives FDR analysis by ROC method  
Take as true positive all complexes in Corum list.  
I have to work on that

FDR output 1 (ROC)

$F=0.93$   
&  $F=0$