Report

***1. Global analysis of the data and presentation of information in a form that biologists***

***can understand.***

*A simple way to do global analysis of the data is to generate a PCA plot. (Suggested tools: Use*

*python or R to transform and analyze the data. You can also use a tool like phantasus . If you*

*are using phantasus, make sure to save the analysis in a json file and include the resulting plots*

*in the knowledge repo)*

*1. Calculate pool totals and fractional enrichments of metabolites*

**Pool totals and Fraction enrichment were calculated** and the file with a **long format data**, was saved as **“Data with Pool and fractions.csv”**.

*2. Generate a PCA plot with pool totals of metabolites. Do you need to do any data*

*transformation on intensity values for PCA to make sense, why or why not?*

PCA plot was generated with

*3. What are your main takeaways from the PCA plot and explain how it correlates with the*

*metadata of the experiment.*