

Instruction for using the gephi software:

One of the capabilities of this package is the graphical representation of the modules obtained by different methods. In this representation modulation of the metabolic network is shown as a graph that if the applied method is a metabolite based method, nodes are metabolites and edges are reactions between them and otherwise, nodes are reactions and edges are the related metabolites.

In order to get a graphical representation of results, for each module file, two files will be made namely “nodes - dataset_name - method_name.csv” and “edges - dataset_name - method_name.csv”. In order to observe modules, user should import these files to “gephi software” by “Import Spreadsheet” item on “node” and “edge” tabs in the “Data Laboratory” part.

In this software user can show nodes of each module in the same color. For this purpose, the nodes in the modules should have the same label (the labels can be determined in “Data Laboratory” tab). Then based on these labels and selecting “Partition Ranking” part in “Overview” tab, user can see an appropriate schema of relationship between modules.

The link for download of “gephi” software is:

<https://gephi.org/users/download/>