



LEGEND

IN RED : User-provided inputs.

IN BLUE : Python scripts.

IN GREEN : Outputs of python scripts

The numbers are the suggested order of using the functions.

The numbers offer additional precision on the user-provided inputs at the bottom of the page.

Additional information

- A** A tab-delimited txt file containing the expression data of the cell line which the modified metabolic model will mimic. An example is provided under 'expression.txt'
- B** The generic metabolic model (such as Recon3) that will be modified in order to resemble the desired cell line.
- C** A text file containing the boundary reaction that will be allowed in order to mimic the cell media. An example is provided under 'minimal_media.txt'.
- D** The experimental gene essentiality data of the cell line. An example is provided under 'essentiality.txt'.

Additional information is provided within the python function file themselves.