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| File name | Description |
| optimal\_solution.csv | Lists the optimal flux values for each reaction calculated by FluxPyt. The sum of squared residue and the chi-square cut-off values are also written here. |
| optimization\_data.pckl | Consists of the optimization result, and the data required for calculation of the confidence intervals by Monte Carlo method. |
| calculated\_mids.pckl | Contains calculated MIDs from the last iteration. It is used to write the "calulated\_mids.txt" at the end of optimization. |
| calulated\_mids.txt | Contains the calculated MIDs at the optimal solution. |
| mid\_dev.png | A graph showing the differences in the calculated and the measured MIDs at the optimal solution. |
| modelName\_fluxMap.svg | The flux map drawn from a template (e.g., modelName.svg) with optimal flux values. |
| montecarlo\_results.csv | Contains the results of Monte Carlo analysis. For each reaction, the optimal solution and the 2.5, 16, 50, 84 and 97.5 percentile values are written. |
| flux\_std.pckl | Contains the results of Monte Carlo analysis which is used by the bootstrap function. |
| bootstrap\_dataframe.pckl | Contains bootstrap results as a pandas dataframe. Each column contains the raw data from the bootstrap analysis for a particular reaction. |
| confidence\_intervals\_bootstrap.csv | A list of 68% and 95% confidence intervals of the flux through each reaction calculated by the bootstrap analysis. |
| monte\_carlo\_fig.png | Box plots representing confidence intervals calculated by bootstrap  analysis. |