

MBSS_FormatTable.pl

Aim

FormatMaBoSS.pl is a perl script that facilitates the use of MaBoSS, by creating tables from output files in a dedicated folder.

How to run the script

It is run as a command line; inputs files need to be provided; MaBoSS executable name and threshold are optional.

```
MBSS_FormatTable.pl <file.bnd> <file.cfg> <(optional)threshold>  
  <(optional)-mb MaBoSS executable name>
```

Files should be in working directory or accessible by absolute path. MaBoSS executable should be in working directory, accessible by absolute path or by environment variable. A threshold is used for removing low probability in the table of stationary distribution decomposition. If no threshold is provided, the file “file_statdist_table.cfg” is not constructed.

Outputs

A folder is created, with the same name as the cfg file (adding a number as suffix if directory already exists). MaBoSS executable, bnd and cfg files are copied in this new folder (and MaBoSS executable name if it is a readable file). MaBoSS is run in the new folder, with the given bnd and cfg files as inputs. MBSS_FormatTable.pl creates tables (in text format) from output files, in the new folder: “file_probtraj_table.csv” (from “file_probtraj.csv”) and “file_statdist_table.cfg” (“from file_statdist.cfg” if the threshold is given). These tables have a column for each network state. These tables can be easily downloaded in a spreadsheet.

NB: these table are less compact than the output files produced directly by MaBoSS. These could be large, if the set of network states is large.