OmniLog

perform respiration or growth experiments in the OmniLog PM reader

export raw kinetic values as CSV

within R

'opm'

import CSV into 'opm' package

aggregate (bootstrapped) curve parameters A, AUC, lambda, mu

discretize curve parameters

add metadata

manage metadata

OPMS object: contains
- raw kinetic values
- metadata
- aggregated curve parameters
- discretized curve parameters

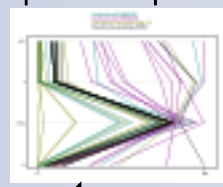
data import and management

full data

import/export in YAML format

statistics: multcomp

parallel plot



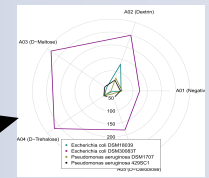
if needed

data analysis and export

full data

query and subset for:
- metadata entries
- specific plates/wells
- specific time points

graphical and statistical analysis

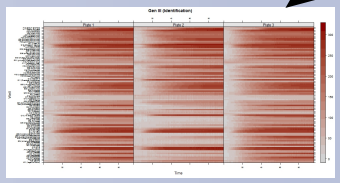


radial plot

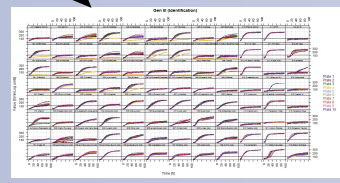
raw kinetic values

curve parameters

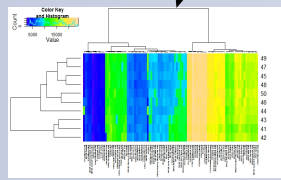
export in NEXUS, PHYLIP or Hennig86 format



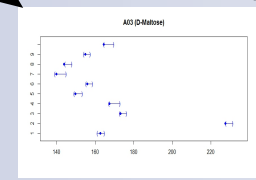
levelplot



xy plot



heatmap



confidence-interval plot

other statistical or graphical analysis using any other R package

third-party software

exploitation of phylogeny software such as RAxML, PAUP* or TNT

import/export into databases, exchange among labs