Toymodel & Full FBA model

https://github.com/dagwa/wholecell-metabolism.git

Toymodel

https://github.com/dagwa/wholecell-metabolism/tree/master/mkoenig/python/metabolism/toymodel

```
toy_comp.xml
toy_ode_model.xml
toy_ode_update.xml
toy_ode_bounds.xml
toy_fba.xml
```

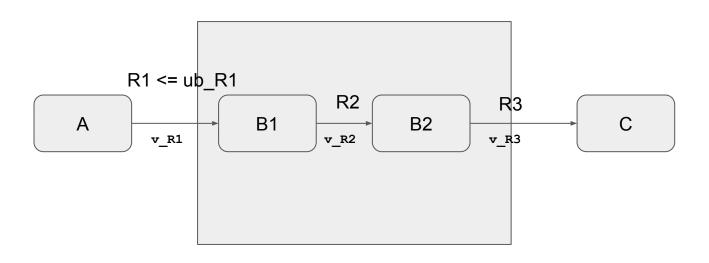
Full FBA model

https://github.com/dagwa/wholecell-metabolism/tree/master/mkoenig/results

Metabolism_matrices_08_L3V1.xml

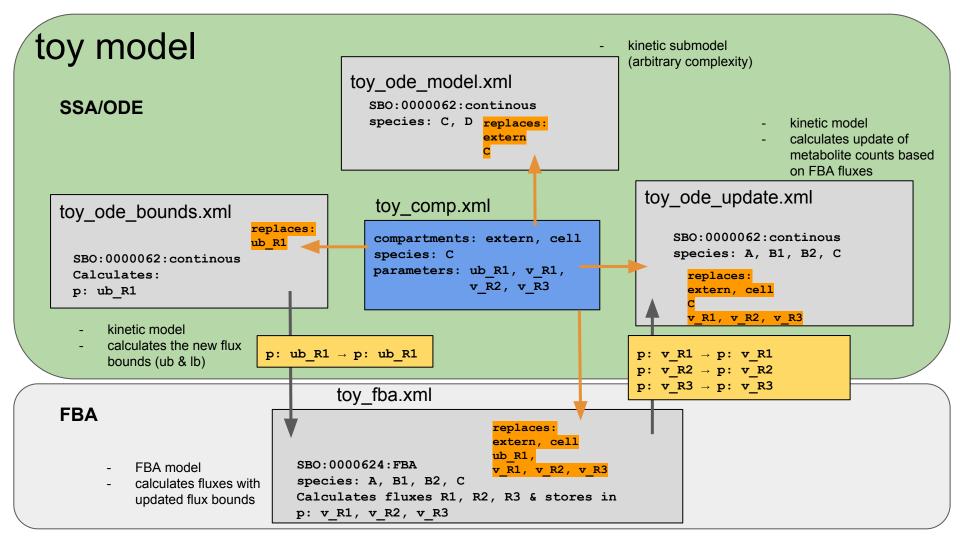
Metabolism_matrices_annotated_08_L3V1.xml

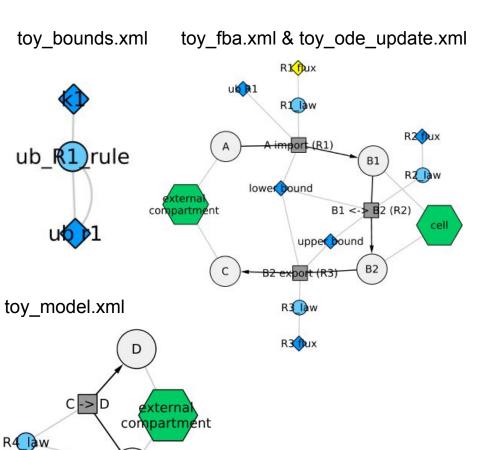
FBA Submodel



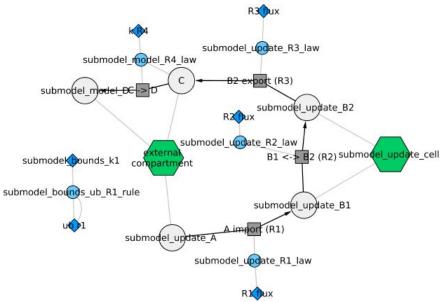
Kinetic Submodel

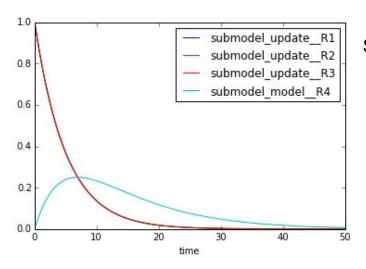


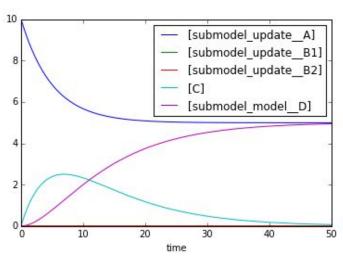




toy_comp.xml (flattened)







Version: 61004733ca7

Solution for simulate(tend=50.0, step_size=0.01)

Initial Values Parameters ub_R1 = 1.0 ub = 1000 lb = 0

=

Compartments ext = 1.0 cell = 1.0

0.0

FluxBounds

Ib <= R1 <= r1 Ib <= R2 <= ub Ib <= R3 <= ub

Objective

maximize: 1.0*R3