# Example model 1



# Example model 2



Figure 2: Example model 2

# E. coli threonine pathway, embedded in central metabolism

(a) Model and flux projection





Projected, stationary flux



(b) Embedded model









(c) Simulation Isolated pathway







Figure 3: Threonine model

## Yeast central metabolism and biomass production

Predefined flux 1

### (a) Original models



(b) Flux projection and steady state





(c) Simulation

#### Isolated pathway



- . . . . . . . .



Predefined flux 2



Steady state (chemical potentials)



Embedded pathway



Figure 4: Part of yeast consensus model

# Hepatonet model

(a) Model and flux projection





(b) Embedded model

Steady state (concentrations)





Steady state (chemical potentials)





(c) Simulation



Figure 5: Part of hepatonet liver model (ATP regeneration)