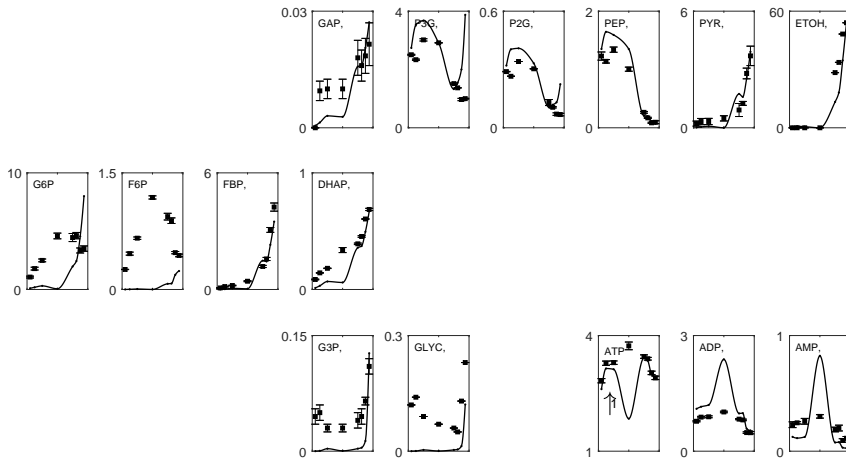


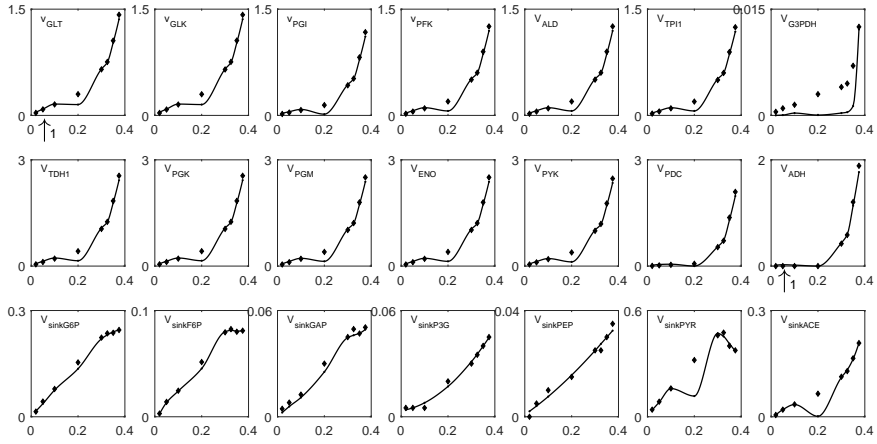
## Standard style simulation

The complete simulation of all model metabolites (states) and reaction rates (determining fluxes) can be seen in the following figures:

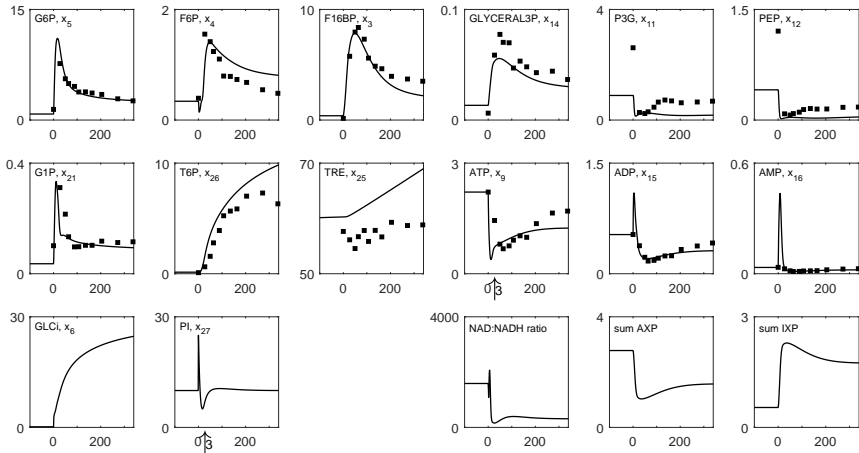


**FIGURE 1** Steady state concentrations. Concentrations are plotted in the Y-axis (in mM) and dilution rate in the X-axis (in  $\text{h}^{-1}$ ).

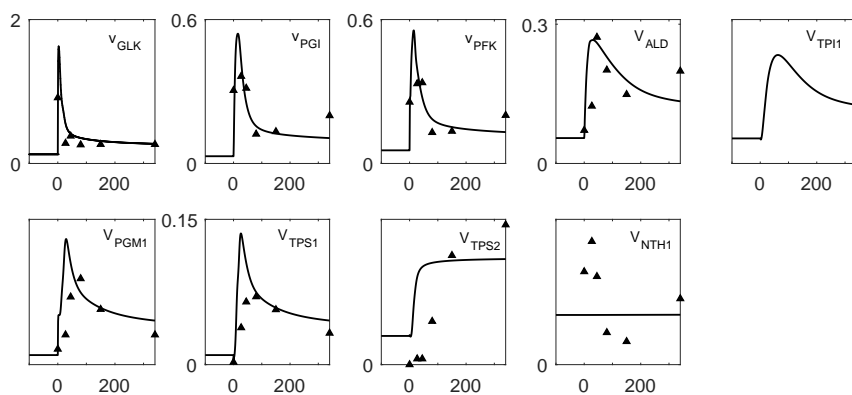
fig2. Steady state flux profile. All



**FIGURE 2** Steady state reaction rates. Rates are plotted in the Y-axis (in  $\text{mM s}^{-1}$ ) and dilution rate in the X-axis (in  $\text{h}^{-1}$ ).



**FIGURE 3** Glucose perturbation concentrations. Concentrations are plotted in the Y-axis (in  $\text{mM}$ ) and time in the X-axis (in s).



**FIGURE 4** Glucose perturbation reaction rates. Rates are plotted in the Y-axis (in  $\text{mM s}^{-1}$ ) and time in the X-axis (in s).