$DGR0003: \ h2o[c] + \underline{d}na_{B}AC[c] \ -> \ h[c] + 0.246507 \ damp[c] + 0.253493 \ dgmp[c] + 0.253493 \ dcmp[c] + 0.246507 \ dtmp[c]$ Biomass Exp Exp+sim Exp+resp Exp+resp+sim 0.1 0.05 0.15 0.25 RC01663: h[c] + h2o[c] + dcmp[c] -> nh4[c] + dump[c]Biomass Exp Exp+resp+sim RC02484: pi[c] + duri[c] <=> 2dr1p[c] + ura[c] Biomass Exp Exp+sim Exp+resp Exp+resp+sim -0.5 2 2.5 RC02749: 2dr1p[c] <=> 2dr5p[c] Biomass Exp Exp+sim Exp+resp+sim 0 2.5 3 $RC01066: 2dr5p[c] \iff g3p[c] + acald[c]$ Biomass Exp Exp+sim Exp+resp Exp+resp+sim RC00711: $h2o[c] + acald[c] + nadp[c] \rightarrow 2 h[c] + ac[c] + nadph[c]$ Biomass Exp Exp+sim Exp+resp+sim 0.001 0.003 0.004 0.005 0.006 0.01 RM00710: nad[m] + acald[m] + h2o[m] -> nadh[m] + ac[m] + 2 h[m]Biomass Exp Exp+sim Exp+resp Exp+resp+sim RC00710: h2o[c] + nad[c] + acald[c] -> 2 h[c] + nadh[c] + ac[c]Biomass Exp Exp+sim 0 1.5 3 RCC0163: $h2o[c] + ac_a dprib[c] <=> h[c] + ac[c] + adprib[c]$ Biomass Exp Exp+sim Exp+resp+sim -18 RC00235: atp[c] + ac[c] + coa[c] -> amp[c] + ppi[c] + accoa[c]

Biomass Exp Exp+sim

0

0.5

1.5

2

2.5

flux

3

3.5

4

4.5

Exp+resp Exp+resp+sim