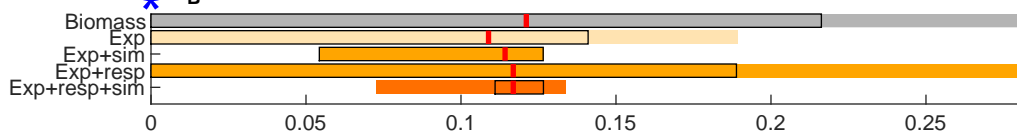
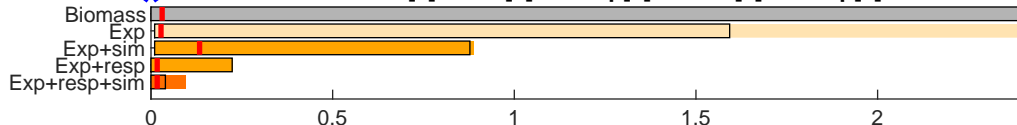


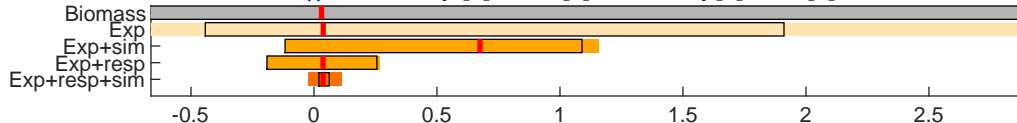
DGR0003: $\text{h}_2\text{O}[\text{c}] + \text{dna}_\text{B}\text{AC}[\text{c}] \rightarrow \text{h}[\text{c}] + 0.246507 \text{ damp}[\text{c}] + 0.253493 \text{ dgmp}[\text{c}] + 0.253493 \text{ dcmp}[\text{c}] + 0.246507 \text{ dtmp}[\text{c}]$



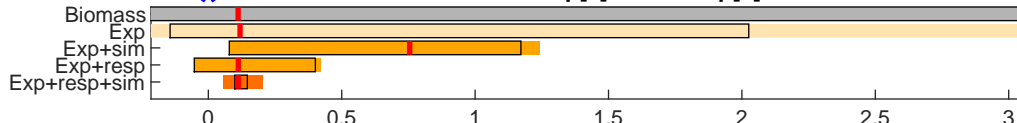
RC01663: $\text{h}[\text{c}] + \text{h}_2\text{O}[\text{c}] + \text{dcmp}[\text{c}] \rightarrow \text{nh}_4[\text{c}] + \text{dump}[\text{c}]$



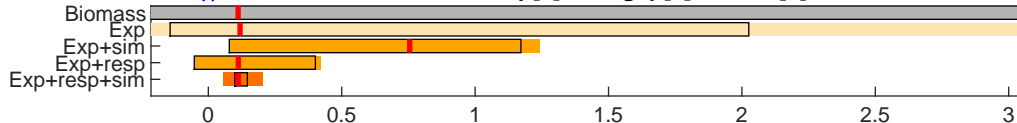
RC02484: $\text{pi}[\text{c}] + \text{duri}[\text{c}] \rightleftharpoons 2\text{dr1p}[\text{c}] + \text{ura}[\text{c}]$



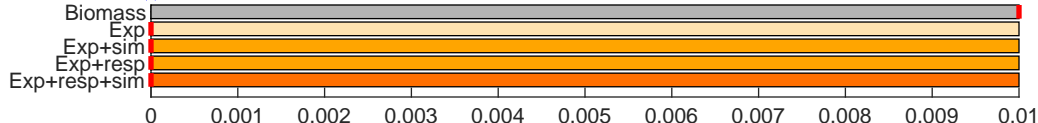
RC02749: $2\text{dr1p}[\text{c}] \rightleftharpoons 2\text{dr5p}[\text{c}]$



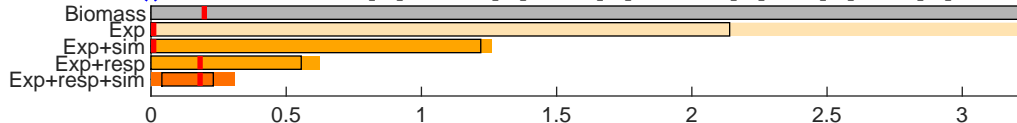
RC01066: $2\text{dr5p}[\text{c}] \rightleftharpoons \text{g3p}[\text{c}] + \text{acald}[\text{c}]$



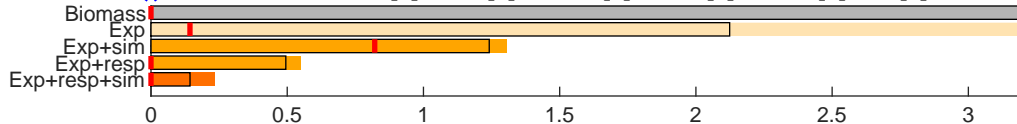
RC00711: $\text{h}_2\text{O}[\text{c}] + \text{acald}[\text{c}] + \text{nadp}[\text{c}] \rightarrow 2 \text{h}[\text{c}] + \text{ac}[\text{c}] + \text{nadph}[\text{c}]$



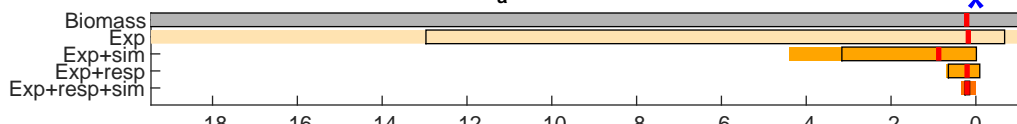
RM00710: $\text{nad}[\text{m}] + \text{acald}[\text{m}] + \text{h}_2\text{O}[\text{m}] \rightarrow \text{nadh}[\text{m}] + \text{ac}[\text{m}] + 2 \text{h}[\text{m}]$



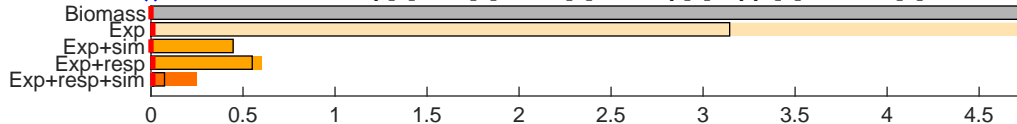
RC00710: $\text{h}_2\text{O}[\text{c}] + \text{nad}[\text{c}] + \text{acald}[\text{c}] \rightarrow 2 \text{h}[\text{c}] + \text{nadh}[\text{c}] + \text{ac}[\text{c}]$



RCC0163: $\text{h}_2\text{O}[\text{c}] + \text{ac}_\text{a} \text{dprib}[\text{c}] \rightleftharpoons \text{h}[\text{c}] + \text{ac}[\text{c}] + \text{adprib}[\text{c}]$



RC00235: $\text{atp}[\text{c}] + \text{ac}[\text{c}] + \text{coa}[\text{c}] \rightarrow \text{amp}[\text{c}] + \text{ppi}[\text{c}] + \text{accoa}[\text{c}]$



flux