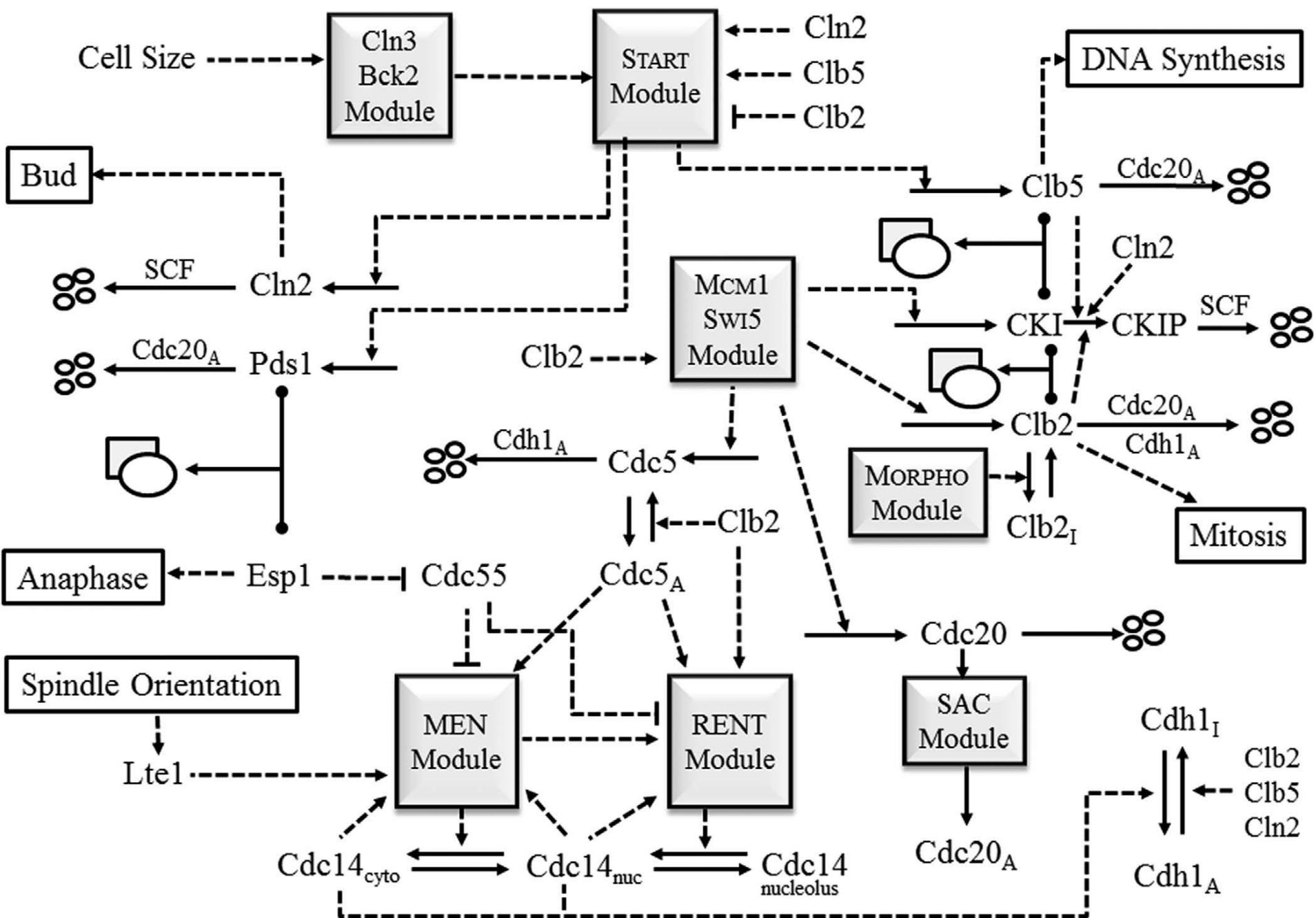
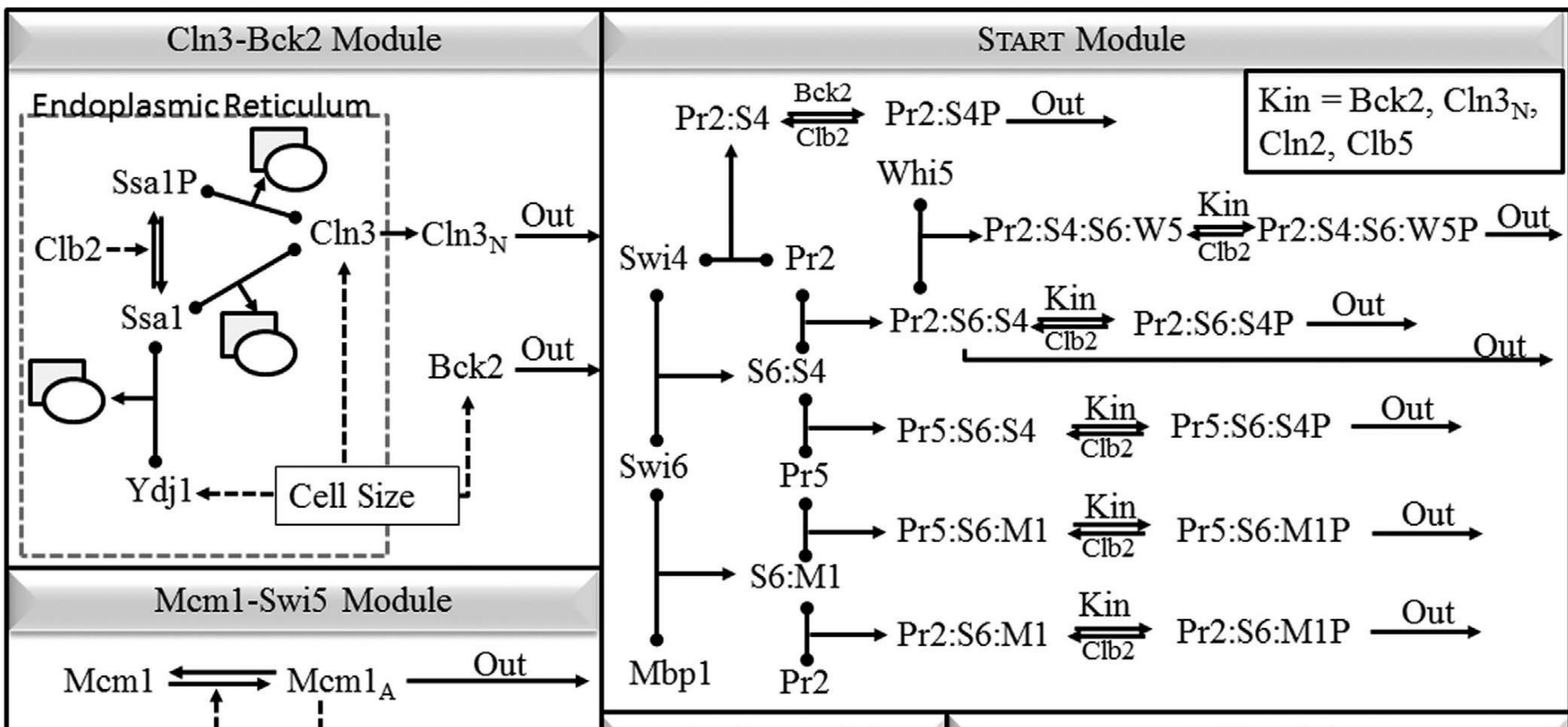
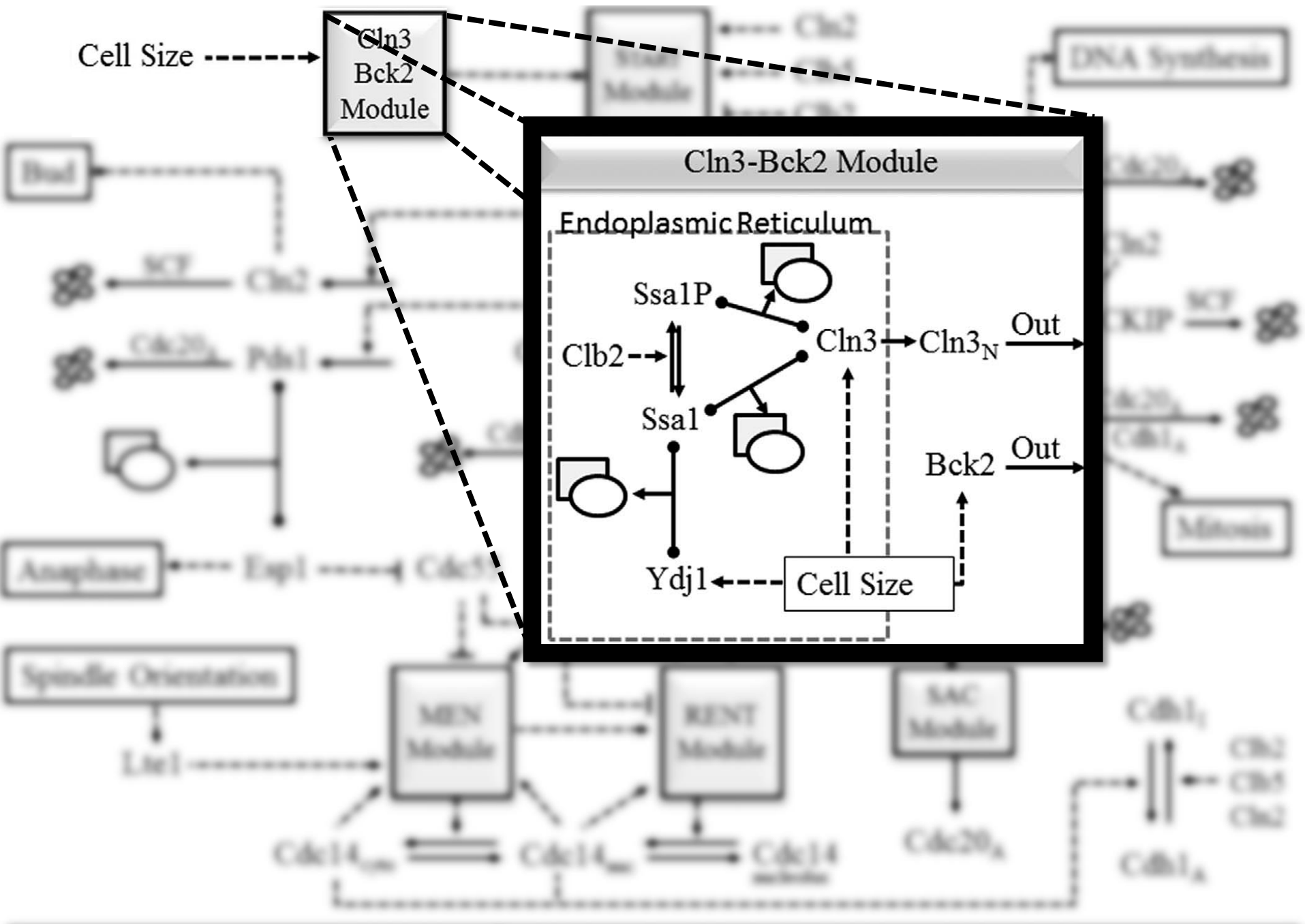






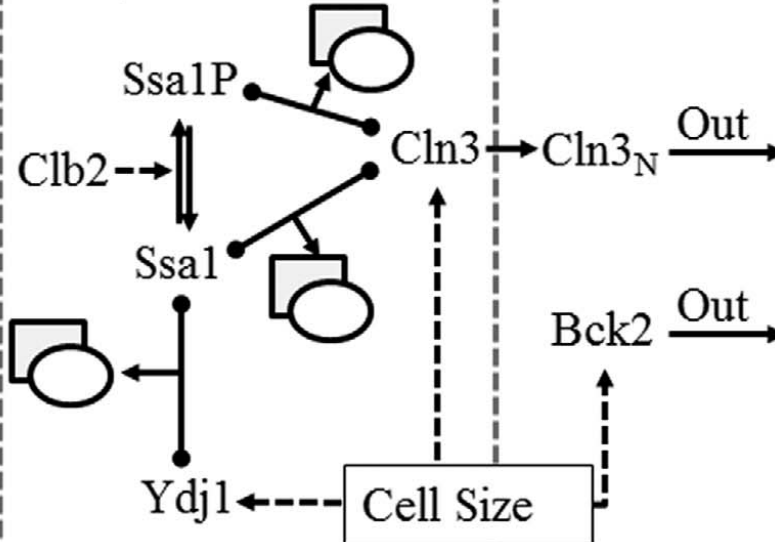


Cell Size

Cln3
Bck2
Module

Cln3-Bck2 Module

Endoplasmic Reticulum



Cell Growth

$$\frac{dV}{dt} = \mu \cdot V \cdot \left(1 - \frac{V}{300}\right)$$

Spindle Orientation

Lte1

MEN
Module

REN
Module

SAC
Module

Cdc14_{low}

Cdc14_{low}

Cdc14_{high}

Cdc20_A

Cdh1₁

Clb2

Clb5

Clb2

Cdh1_A

DNA Synthesis

Cdh20_A

Clb2

CKIP

Cdh20_A

Clb1_A

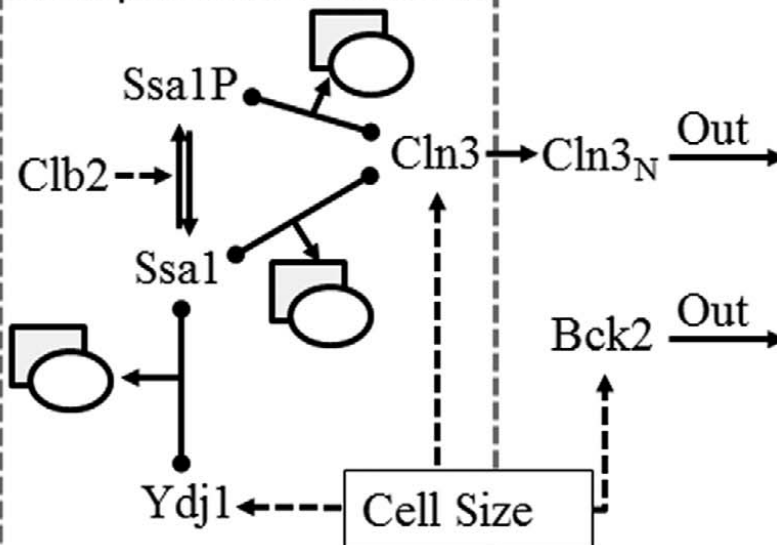
Mitosis

Cell Size

Cln3
Bck2
Module

Cln3-Bck2 Module

Endoplasmic Reticulum



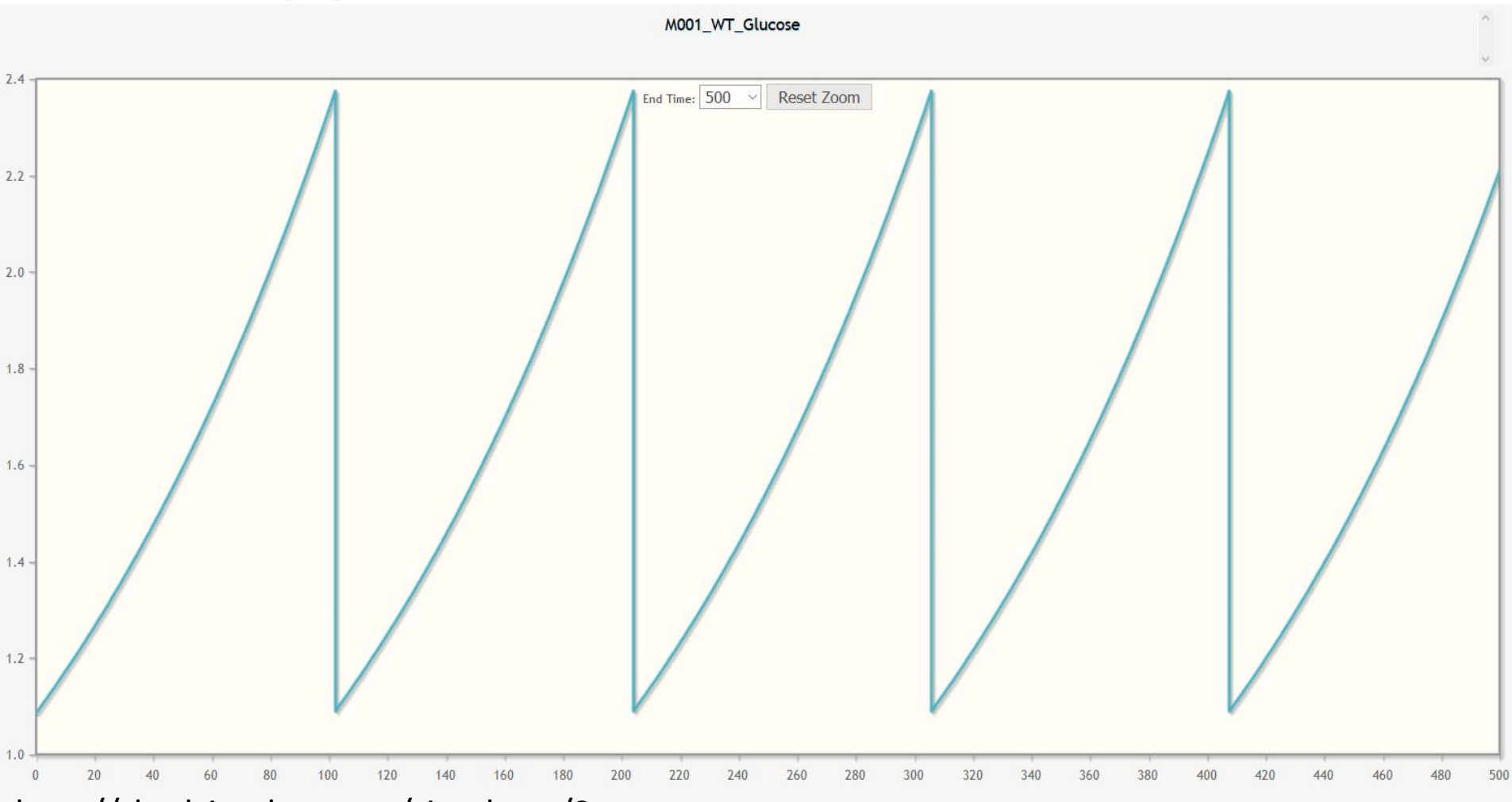
Cell Growth

$$\frac{dV}{dt} = \mu \cdot V \cdot \left(1 - \frac{V}{300}\right)$$

$$[Ydj1] = [Ydj1_T] \cdot (1 - e^{-V/v_{ydj1}})$$

$$\frac{d[Cln3_T]}{dt} = k_{s,cln3} \cdot (1 - e^{-V/v_{cln3}}) - k_{d,cln3} \cdot [Cln3_T]$$

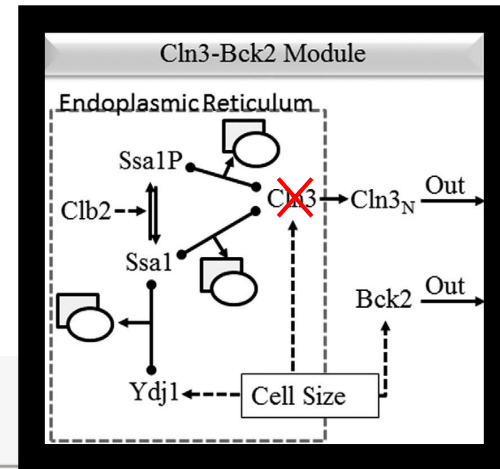
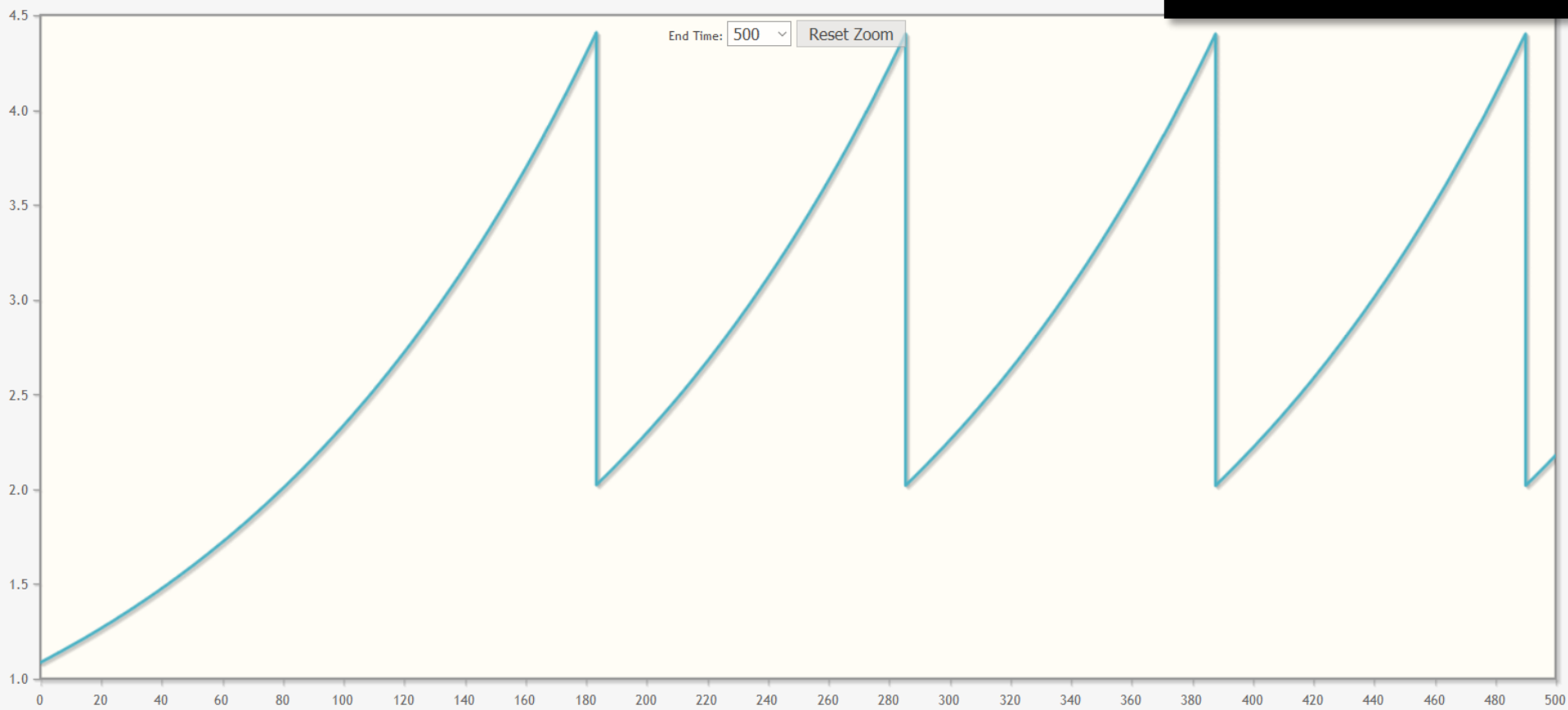
WildType



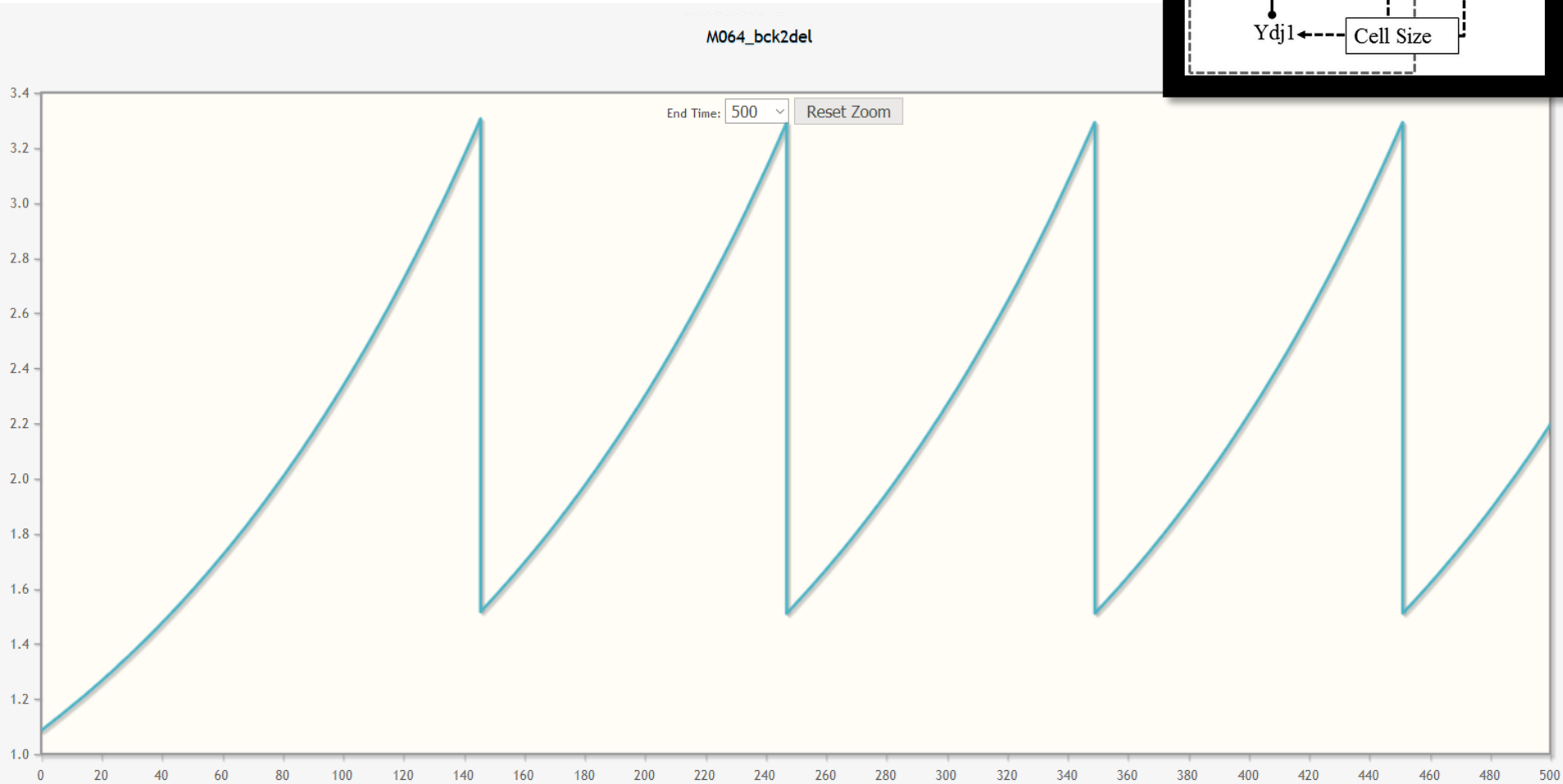
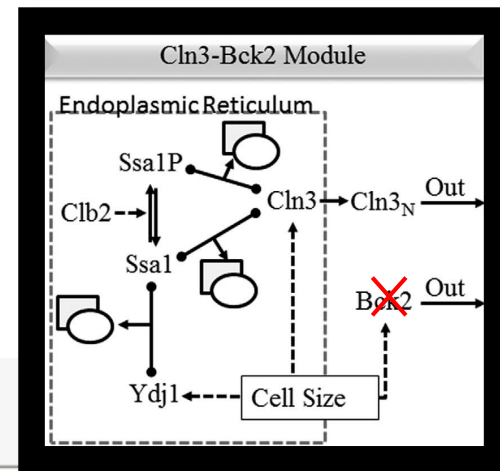
<http://sbmlsimulator.org/simulator/2>

cln3 Δ

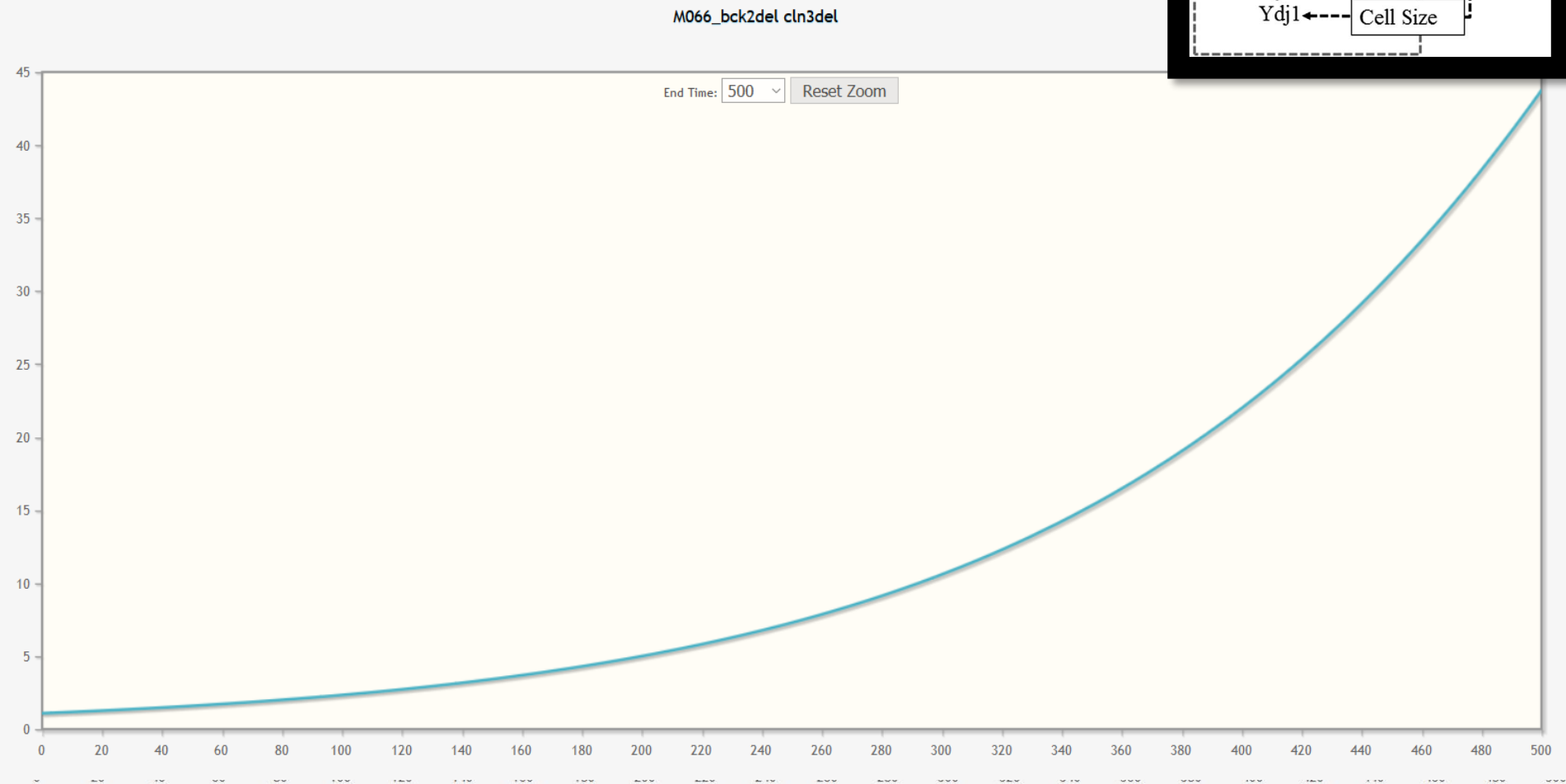
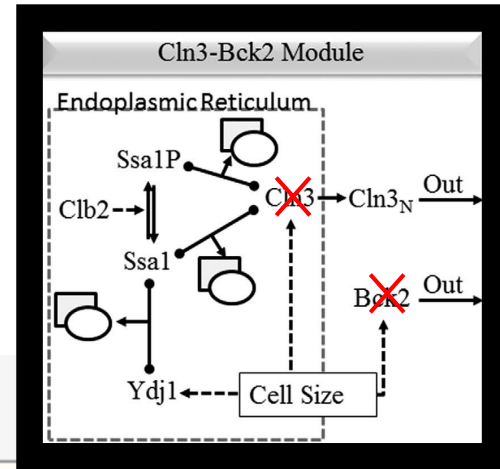
M074_cln3del



bck2Δ

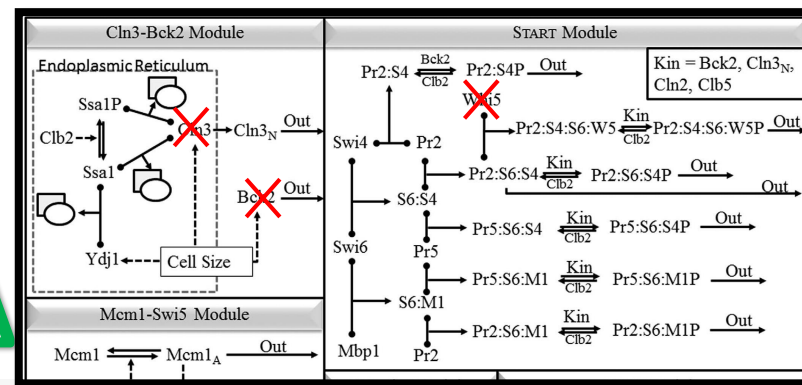


cln3Δ bck2Δ



<http://sbmlsimulator.org/simulator/2>

cln3 Δ bck2 Δ whi5 Δ



M032_bck2del cln3del whi5del

