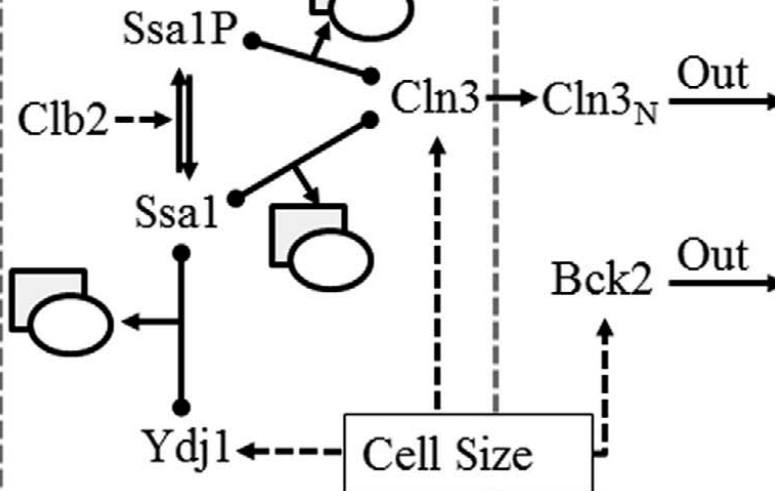


Cell Size

Cln3
Bck2
Module

Cln3-Bck2 Module

Endoplasmic Reticulum



Cell Growth

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

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

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