|  |  |  |
| --- | --- | --- |
| Parameters | Biological meaning | Value (min-1) |
|  | Transcription rate of CLN3 gene | 0.8 |
|  | Degradation rate of  | 0.2 (M Tyers et al. 1992) |
|  | Initial translation rate of Cln3 | 8 |
|  | Exponential growth exponent of cell volume | 0.01 (Cipollina et al. 2005; Di Talia et al. 2007) |
|  | Degradation rate of  | 0.2 (M Tyers et al. 1992; Cross and Blake 1993; Yaglom et al. 1995) |
| *r* | Initial transcription rate of CLN3 gene | 1/3 |