

| Name | Value | Unit | Source |
|-------------------------------|----------------------|--|----------------|
| patch-length | 2 | μm | Carvalho 2018 |
| division-mass | 500 | fg | Carvalho 2018 |
| cell-density | 200 | $\text{fg } \mu\text{m}^{-3}$ | Carvalho 2018 |
| growth-rate | 0.25 | hr^{-1} | Emerenini 2015 |
| growth-k | 0.004 | $\text{fg } \mu\text{m}^{-3}$ | Emerenini 2015 |
| yield | 0.63 | - | Emerenini 2015 |
| lysis-rate | 0.017 | hr^{-1} | Emerenini 2015 |
| nutrient-dose | 1 | arbitrary | Emerenini 2015 |
| ahl-synthesis-rate | 0.023 | hr^{-1} | Emerenini 2015 |
| ahl-degradation-rate | 4.1×10^{-3} | hr^{-1} | Trovato 2014 |
| small-molecule-diffusion-rate | 1.3 | $\text{nM } \mu\text{m}^2 \text{ hr}^{-1}$ | Assumed |
| diffusion-decrease-biofilm | 0.8 | - | Carvalho 2018 |
| antibiotic-dose | 50 | nM | Fong 2018 |
| antibiotic-death-rate | 0.102 | hr^{-1} | Spalding 2018 |
| half-max-conc | 470 | nM | Spalding 2018 |
| aiaa-reaction-rate | 140000 | hr^{-1} | Spalding 2018 |
| aiaa-km | 5100000 | nM | Spalding 2018 |
| antibiotic-qs-effect | -0.2 | - | Fong 2018 |
| resistance-mutation-rate | 5.2×10^{-5} | hr^{-1} | Cabot 2016 |
| speed | 40 | $\mu\text{m s}^{-1}$ | Qian 2013 |
| tumble-rate | 0.12 | s^{-1} | Qian 2013 |
| shuffle-step-size | 0.2 | $\mu\text{m hr}^{-1}$ | Assumed |
| attachment-rate | 0.088 | h^{-1} | Emerenini 2015 |
| attachment-k | 0.0007 | $\text{fg } \mu\text{m}^{-3}$ | Emerenini 2015 |
| dispersal-rate | 0.025 | h^{-1} | Emerenini 2015 |
| ahl-threshold | 20-60 | nM | Emerenini 2015 |
| ahl-synthesis-increase | 10 | - | Emerenini 2015 |
| dispersal-increase | 300 | - | Assumed |
| system length | 440 | μm | Assumed |
| system height | 280 | μm | Assumed |