|  |  |  |
| --- | --- | --- |
| **Symbol** | **Model Parameter** | **Value unless specified** |
| **Cell demography parameters** | | |
| γ | Cell growth rate | 0.2 *t*-1 |
| κ | Environment carrying capacity | 106 |
| **C state parameters** | | |
| *c*C | Growth inhibition during C state | 1 |
| *g*C | Rate of entry into C state | 10 *t*-1 |
| *r*C | Rate of exit from C state | Always specified |
| *k*C | Per capita cell-cell killing during C state | Always specified |
| *e*C | C signal production rate | 10 *t*-1 |
| *t*C | Threshold C signal concentration for entering C state | 107 |
| **DNA and transformation parameters** | | |
| τ | Transformation rate | 10-4 |
| τC | Transformation rate during C state | 10-4 |
| ω | Rate of washout and degradation | 0.6 |
| φ | Transformation asymmetry as a consequence of length polymorphism | 0.1 |
| **MGE parameters** | | |
| *c*M | Cost of carrying MGE | Always specified |
| *f* | Frequency of activation | Always specified |
| *f*C | Frequency of activation during C state | Always specified |
| β | Rate of horizontal transmission | Always specified |
| b | Mean burst size | Always specified |