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| **Parameter** | **Definition** | **Units** |
|  | Microbes present outside the cell | moles |
|  | Unbound and bound PGRP-LC | moles |
|  | Recruited and total IMD | moles |
|  | Relish B and P outside the nucleus | moles |
|  | Free and bound Relish in the nucleus | moles |
|  | Feedback effectors acting at the detection and transduction levels | moles |
|  | Antimicrobial peptides (AMPs) | moles |
|  | External supply or replenishment rate of molecule X | moles/time |
|  | Rate constant for reaction involving X | concentration(s) × time-1 |
|  | First-order degradation rate of X | time-1 |
|  | Coefficient for strength of feedback effect of X | concentration-1 |
|  | Microbe proliferation rate | time-1 |
|  | Microbe mortality rate | concentration × time-1 |
|  | Rate of Relish inflow into nucleus | time-1 |