| Variable   | Description                                                                 |
|------------|-----------------------------------------------------------------------------|
| $C = C_i(t)$ | Concentration of substrate at time $t$ in region $i$ in the microenvironment |
| $I = I_{ik}(t)$ | Average internalized concentration of substrate within all agents of type $k$ in region $i$ at time $t$ |

Table S2. State variables in the global method.