|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Table S8:** Parameter values used to simulate mutants\* | | | | | | | |
| *divKD53N* | | | | | | | |
| *k*pk2-pt2 | 0 | *k*pt2-pk2 | 0 | *k*pk3-pt3 | 0 | *k*pt3-pk3 | 0 |
| *k*pk4-pt4 | 0 | *k*pt4-pk4 | 0 | *k*pt4-pk11 | 0 | *k*pk11-pt4 | 0 |
| *divKD90G* | | | | | | | |
| *k*ph1\_pk11 | 2.5 | *k*pk11\_ph1 | 49 | *k*ph1\_pk12 | 0.016 | *k*pk12\_ph1 | 16 |
| *k*ph2\_pk22 | 0.025 | *k*pk22\_ph2 | 2.5e-03 | *k*ph2\_pk12 | 1.6 | *k*pk12\_ph2 | 16 |
| *k*h1\_h2 | 0.016 | *k*h2\_h1 | 1.6 | *k*dl\_dldk | 0.1 |  |  |
| *pleC:*Tn*5* | | | | | | | |
| PleC\_tot | 0 |  |  |  |  |  |  |
|  | | | | | | | |
| DivJ\_tot | 0 |  |  |  |  |  |  |
| *pleCF778L* | | | | | | | |
| *k*pk11-pk0 | 0 | *k*pk0-pk11 | 0 | *k*pk12-pk2 | 0 | *k*pk2-pk12 | 0 |
| *k*pk22-pk4 | 0 | *k*pk4-pk22 | 0 |  |  |  |  |
| \*Only parameter values deviating from wild type are listed. | | | | | | | |