**Table S15: Reactions and rate constants for model M7lck.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Reactions** | **kon** (μM-1s-1) | **koff** (s-1) | **KD** (μM) | **kcat** (μM-1s-1) | **kact** (s-1) | **kdeact** (s-1) |
|  | 2.5  10-4  | 0.01 | 40 |  |  |  |
|  | 0.01 | 0.1 | 10 |  |  |  |
|  |  2.5  10-3 | 0.01 | 4 |  |  |  |
|  |  2.5  10-3 | 0.01 | 4 |  |  |  |
|  | 0.01 | 0.1 | 10 |  |  |  |
|  | 0.1 | 0.1 | 1 |  |  |  |
|  |  |  |  | 1.5  10-4  |  |  |
|  |  |  |  | 1.5  10-4  |  |  |
|  |  |  |  | 1.5  10-4  |  |  |
|  |  |  |  |  | 0.3 | 0.09 |
|  |  |  |  |  | 0.3 | 0.09 |
|  |  |  |  |  | 0.3 | 0.09 |
|  |  | 0.1 |  |  |  |  |
|  |  2.5  10-3 | 0.01 | 4 |  |  |  |
|  |  2.5  10-4 | 0.01 | 40 |  |  |  |
|  |  2.5  10-4 | 0.01 | 40 |  |  |  |