**S1 Table**

|  |  |
| --- | --- |
| Initial State Final State Rate (sec-1) | Initial State Final State Rate (sec-1) |
| Simplest Model | |
| 0 1 0.34361 | 1 0 35.606 |
| Best Model | |
| 0a 1a 0.2260075  1a 0a 35.329858  0a 1b 0.0164894  1b 0a 3.4987589 | 0b 1b 0.7331798  1b 0b 18.184035  0c 1b 1.5803847  1b 0c 15.315078 |