**Table S1. Individual estimated parameters and initial values in nose and throat swabs**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Monkey ID** |  |  |  |  |  |
| Without treatment |
| RM A |  |  |  |  |  |
| RM B |  |  |  |  |  |
| RM C |  |  |  |  |  |
| RM D |  |  |  |  |  |
| RM 7 |  |  |  |  |  |
| RM 8 |  |  |  |  |  |
| RM 9 |  |  |  |  |  |
| RM 10 |  |  |  |  |  |
| RM 11 |  |  |  |  |  |
| RM 12 |  |  |  |  |  |
| RM A |  |  |  |  |  |
| RM D |  |  |  |  |  |
| RM 7 |  |  |  |  |  |
| RM 8 |  |  |  |  |  |
| RM 9 |  |  |  |  |  |
| RM 10 |  |  |  |  |  |
| RM 11 |  |  |  |  |  |
| RM 12 |  |  |  |  |  |
| With treatment |
| RM 1 |  |  |  |  |  |
| RM 2 |  |  |  |  |  |
| RM 3 |  |  |  |  |  |
| RM 4 |  |  |  |  |  |
| RM 5 |  |  |  |  |  |
| RM 6 |  |  |  |  |  |
| RM 1 |  |  |  |  |  |
| RM 2 |  |  |  |  |  |
| RM 3 |  |  |  |  |  |
| RM 4 |  |  |  |  |  |
| RM 5 |  |  |  |  |  |
| RM 6 |  |  |  |  |  |