**Table S5. Estimated parameters (fixed effect) for SARS-CoV-2 infection in nose and throat by fitting the viral dynamics with multiple target cell**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter Name | Symbol (Unit) | Nose | Throat | BAL |
| Maximum rate constant for viral replication for first target cell | (day-1) |  |  |  |
| Maximum rate constant for viral replication for second target cell | (day-1) |  | | |
| Rate constant for virus infection for first target cell | copies/ml)-1 day-1) |  |  |  |
| Rate constant for virus infection for second target cell | copies/ml)-1 day-1) |  | | |
| Death rate of infected cells | (day-1) |  | | |
| Efficacy of blocking virus production by RDV |  |  | | |
| Viral load at virus inoculation | (copies/ml) |  | | |
| Relative fraction of first uninfected target cell population at virus inoculation |  |  | | |
| Relative fraction of second uninfected target cell population at virus inoculation |  |  | | |