**Table S3.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Treatment on day 0** |  | Active  244 DI virus (300 μg ) | Inactivated 244 DI virus (300 μg) | Saline | Saline |
| **Challenge on day 0 with A/Cal**  **(102 IU /ferret)** |  | + | + | + | - |
| **Rechallenge on day 21 with A/Cal**  **(106 IU /ferret)** |  | + | + | + | + |
| **Parameters of infection on rechallenge** | **Sneezing** | 1a | 1 | 2 | 26 |
| **Nasal discharge** | 0 | 0 | 0 | 9 |
| **Activity loss** | 0 | 0 | 0 | 25 |
| **Appetite loss** | 0 | 0 | 0 | 15 |

+ or -, indicates that the indicated procedure was, or was not, carried out.

a all parameters were recorded twice daily (a.m. + p.m.) and are shown summed here. For example, ‘1’ denotes a single ferret recorded as sneezing once during the whole observation period for that test group. The accumulated number of single positive events recorded is shown for each group. There were 14 observation periods and 5 ferrets per group, thus there was a total of 70 ferret observations.