**Table S.2**: List of clinical samples used in the study.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Strain | Sample type | Sample ID | Route of challenge | Time of sample collection (days post challenge) |
| O/UKG/34/2001 | Oral swab | O/UKG-OS-1 | Needle inoculation | 1 |
| Oral swab | O/UKG-OS-2 | Needle inoculation | 2 |
| Oral swab | O/UKG-OS-3 | Direct contact | 1 |
| Oral swab | O/UKG-OS-4 | Direct contact | 2 |
| Tongue epithelium | O/UKG-EPI-1 | Environmental | 6 |
| Tongue epithelium | O/UKG-EPI-2 | Environmental | 10 |
| A/TAI/17/2016 | Oral swab | A/TAI-OS-1 | Needle inoculation | 4 |
| Tongue epithelium | A/TAI-EPI-1 | Needle inoculation | 5 |
| Oral swab | A/TAI-OS-2 | Needle inoculation | 4 |
| Tongue epithelium | A/TAI-EPI-2 | Needle inoculation | 6 |
| Oral swab | A/TAI-OS-3 | Needle inoculation | 4 |
| Oral swab | A/TAI-OS-4 | Needle inoculation | 4 |
| ASIA1/IRN/49/2011 | Oral swab | ASIA1/IRN-OS-1 | Needle inoculation | 2 |
| Oral swab | ASIA1/IRN-OS-2 | Needle inoculation | 2 |
| Tongue epithelium | ASIA1/IRN-EPI-1 | Needle inoculation | 3 |
| Oral swab | ASIA1/IRN-OS-3 | Needle inoculation | 2 |
| Oral swab | ASIA1/IRN-OS-4 | Needle inoculation | 2 |