|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **NA Lineage** | **02A.1** | | **02A.2** | | **02B.1** | | **02B.2** | |
|  |  | **A/swine/Nebraska/ A01492366/2014** | **A/swine/Nebraska/ A01492366/2014** | **A/swine/New York/A01104005/2011** | **A/swine/New York/A01104005/2011** | **A/swine/Minnesota/ A01678475/2016** | **A/swine/Minnesota/ A01678475/2016** | **A/swine/Iowa/ A01480656/2014** | **A/swine/Iowa/ A01480656/2014** |
| **A/swine/Nebraska/ A01492366/2014** | **02A.1** | **320** | **320** | 160 | 40 | 80 | 20 | 40 | 20 |
| **A/swine/New York/A01104005/2011** | **02A.2** | 160 | 80 | **640** | **160** | 160 | 40 | 40 | <10 |
| **A/swine/Minnesota/A02266068/2018** | **02A.2** | 160 | 160 | 640 | 320 | 320 | 160 | 160 | 10 |
| **A/swine/Minnesota/ A01678475/2016** | **02B.1** | 20 | 40 | 160 | 80 | **640** | **160** | 40 | <10 |
| **A/swine/Iowa/ A01480656/2014** | **02B.2** | 160 | 160 | 320 | 80 | 80 | 80 | **5120** | **640** |
| **A/swine/Oklahoma/A01770190/2015** | **02B.2** | 320 | 80 | 320 | 40 | 160 | 80 | 2560 | 640 |
| **A/swine/North Carolina/A02245294/2019** | **02B.2** | 320 | 160 | 320 | 80 | 160 | 80 | 2560 | 640 |

**Supplementary Table 2.** Results from Neuraminidase Inhibition (NI) Assay.