Table S1. Representative N1 neuraminidase and paired hemagglutinin genes from contemporary circulating clades of N1 in North America. The N1 gene was used to generate recombinant H9N1 for use in neuraminidase inhibition enzyme-linked lectin assays (NI ELLA).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Strain name** | **N1 clade** | **GenBank Accession** | **HA clade** | **GenBank Accession** |
| A/swine/Iowa/A02479002/2020 | N1.P | MT052095 | 1A.3.3.2 | MT052094 |
| A/swine/California/A02478680/2019 | N1.C.1.1 | MN575727 | 1A.2-3-like | MN575726 |
| A/swine/South Dakota/A02016893/2018 | N1.C.1.2 | MH551255 | 1A.2 | MH551254 |
| A/swine/Kansas/A02245346/2019 | N1.C.2 | MN857569 | 1A.2 | MN857568 |
| A/swine/North Carolina/A02479062/2020 | N1.C.2.1 | MT154208 | 1A.3.3.3 | MT154207 |
| A/swine/Minnesota/A02245409/2020 | N1.C.3.1 | MT154190 | 1A.3.3.3 | MT154189 |
| A/swine/Iowa/A02479110/2020 | N1.C.3.2 | MT277490 | 1A.3.3.3 | MT277489 |