

Table S4. HA1 percentage amino acid identity of H3.2010.1 and H3.2010.2 strains used in the antigenic distance analysis.

Genbank accession	Strain	A/swine/Missouri/A01410819/2014	A/swine/Ohio/16TOSU4788/2016	A/swine/Ohio/A01354299/2017	A/swine/Oklahoma/A02218157/2017	A/swine/Indiana/A02430356/2019
KJ941380	A/swine/Missouri/A01410819/2014		97.7	96.5	90.4	88.7
KX981496	A/swine/Ohio/16TOSU4788/2016	97.7		98.8	91.0	88.7
MF801569.1	A/swine/Ohio/A01354299/2017	96.5	98.8		90.1	88.4
MF471685	A/swine/Oklahoma/A02218157/2017	90.4	91.0	90.1		97.1
MK640458.1	A/swine/Indiana/A02430356/2019	88.7	88.7	88.4	97.1	