

Supplementary material:

Table 1: PDB accession numbers of hemagglutinin structures for each influenza A subtype used in this study.

Subtype	PDB ID	Isolate
H1N1	3HTT	Duck
	1RD8	Human
H3N3	1MQN	Duck
	1HGF	Human
H5N1	1JSN	Human
	2FK0	Human

Table 2: The threshold values for similarity determination of 3D structures, based on the Root Mean Square Deviation (RMSD) score.

RMSD (Å)	Structural Relationship
>12	Completely unrelated
7	Dubious relationship
5	May be structurally related
4	Good structural relationship
2	Closely related
1.5	Very closely related
0.8	Differences are not obvious
0.4	Essentially indistinguishable