

Supplementary Table 4

protein	p-value
PB2	$3 * 10^{-10}$
PB1	$2.7 * 10^{-7}$
PA	$4.97 * 10^{-9}$
HA1	$2.38 * 10^{-2}$
HA2	$6.005 * 10^{-1}$
NP	$1.46 * 10^{-3}$
NA	$1.33 * 10^{-2}$
M1	$65 * 10^{-5}$
M2	$6.89 * 10^{-1}$
NS1	$1.48 * 10^{-1}$
NS2	$15.34 * 10^{-4}$

Table S4: Kolmogorov–Smirnov-test.

We applied the Kolmogorov–Smirnov-test (KS-test; H_0 : dN/dS distribution of pH1N1 protein is smaller than dN/dS distribution of H3N2 protein) to all proteins individually and showed that the global dN/dS distributions of pH1N1 proteins were significantly larger than those of H3N2 proteins, except for HA2, NS1 and M2.