### Supplementary Table 3

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **H3N2** | | **pH1N1** | |
|  | **dN/dS** | **HyPhy SCLAC** | **dN/dS** | **HyPhy SCLAC** |
| **PB2** |  |  |  |  |
| **PB1** |  |  |  |  |
| **PA** |  |  |  |  |
| **HA1** |  |  |  |  |
| **HA2** |  |  |  |  |
| **NP** |  |  |  |  |
| **NA** |  |  |  |  |
| **M1** |  |  |  |  |
| **M2** |  |  |  |  |
| **NS1** |  |  |  |  |
| **NS2** |  |  |  |  |

Table S3: Comparison of mean.

As a sanity check, we compared our results with the meanvalue from the Suzuki-Gojobori counting approach implemented in HyPhy SLAC for all proteins.