

Additional File 7. Table S1. Comparison of site mutations prediction (for H3N2 in the year 2003).

Observed in [28]	50	75	83	131	144	155	156	186	202	222	225
Occurrence in FluSurver Results	4	1	0	0	22	0	374	0	12	1	3
Predicted by [28]	50	75	131	155	156	202	222				
Occurrence in FluSurver results	4	1	0	0	374	12	1				
Predicted by our rules	50	53	62	137	144	155	156	158	244	260	275
Occurrence in FluSurver results	4	0	1	7	22	0	374	11	6	0	1

The table compares the site mutations prediction of our method, the approach in Xia et al [29] and occurrence of predicted mutations in the BII-FluSurver [44]. The overlap between our prediction and the BII-FluSurver results is similar to that of Xia's prediction.