

Table S1. Prevalence of NA sequences with common residue changes

Amino acid sequence change	Cummulative frequency of amino acid each year									
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
CA/09	10.38	0.65	0	0.18	0.05	0.06	0.15	0	0	0
N248D	72.66	76.68	78.22	68.63	83.98	80.89	90.81	96.03	94.93	94.75
V241I, N369K	0.04	18.48	66.45	67.71	83.32	80.78	90.75	96.03	94.93	94.75
N44S	0.03	6.52	30.51	49.17	82.66	80.78	90.69	96.03	94.93	94.75
N200S	0	0	0.32	22.69	79.91	80.5	90.69	96.03	94.93	94.75
I321V	0	0	0	0.37	29.22	78.05	90.63	95.99	94.9	94.75
N386K	0	0	0	0	4.44	52.59	90.17	95.99	94.9	94.75
I264V, N270K	0	0	0	0	0.05	8.75	62.53	93.35	94.84	94.75
N449D	0	0	0	0	0	0	0.09	0.07	58.97	93.97
other sequences*	16.96	22.66	21.78	31.18	15.96	19.05	9.03	3.98	5.07	5.25

*Other sequences are those that do not have the consensus CA/09 NA sequence. In some instances these may contain the indicated amino acid change and therefore overall proportion of sequences may be greater than 1.