

**Supplementary Table 3**

	Different substitution	Identical substitution	
		Different season	Same season
<b>Sampled data</b>	S203T (2009S), S69T (2012N), K283E (2013S)	K163Q (2013S), A256T (2013S)	S185T (2011N), S143G (2012N), A197T (2012N),
<b>Unsampled data</b>	D97N (2012S), R133T (2013N), S185T (2013N), I321V (2013N)	K163Q (2014N), A256T (2014N)	N260D (2012N), D97N (2013N), V234I (2013N), K283E (2013N)