

**Table S2.** Amino acids composition of the HA cleavage site and receptor-binding site of the HA gene of H7N3 strains.

	<b>HA cleavage</b>	<b>Receptor-binding site</b>						<b>Left edge of Receptor- binding site</b>	<b>Right edge of Receptor- binding site</b>
H7 position:	333-342	106	162	192	199	202	203	229-238	142-146
A/mallard/Dagestan/1050/2018	PELPKGRGLF	Y	L	H	E	K	L	RPQVNGQSGR	GATSA
A/mallard/Dagestan/1051/2018	PELPKGRGLF	Y	L	H	E	K	L	RPQVNGQSGR	GATSA