

**Table S3.** Summary of NA mutations screened in in the nine H10 AIV strains under study (Italy 1994-2007) and known to be associated to zoonotic potential, as previously reported [36].

<b>N Subtypes</b>	<b>Amino acid change (N2 numbering)</b>	<b>Phenotypic consequences</b>	<b>References</b>
<b>N1</b>	49–68 deletion	Enhanced virulence in mice	[95]
	54–72 deletion	Enhanced virulence in mice but not chickens	[96]
	54–72 deletion	Enhanced virulence in mice and chickens	[97]
	54–75 deletion	Enhanced virulence in chickens but not ducks	[98]
<b>N9</b>	54–72 deletion	Enhanced virulence in mice	[99]
	54–73 deletion	Enhanced virulence in mice	[99]
	57–65 deletion	Enhanced virulence in mice	[99]
<b>N2</b>	54–81 deletion	Enhanced replication in chicken cell line.	[100]
		Enhanced replication in respiratory tract of chickens.	