

**Supporting Information:**

**Influenza A virus immunity and subtype competition in mallards**

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**S10 Table.**

**A)**

<i>Models</i>	<i>Ct-val.</i>	<i>ST</i>	<i>Treat.</i>	<i>DPI</i>	<i>np</i>	<i>AICc</i>	<i>ΔAICc</i>	<i>AICc weights</i>
1	+		+	+	5	<b>216.87</b>	<b>0.000</b>	<b>0.626</b>
2	+	+	+	+	6	217.93	1.060	0.369
3	+			+	4	226.42	9.550	0.005
4	+		+		4	237.4	20.530	0.000
5	+	+			5	239.44	22.570	0.000
6	+				3	238.64	21.770	0.000
7	+	+	+		4	240.71	23.840	0.000
8		+		+	4	285.6	68.730	0.000
9				+	3	287.92	71.050	0.000
10			+		3	389.94	173.070	0.000
11		+	+		4	391.23	174.360	0.000
12					2	399.73	182.860	0.000
13		+			3	401.28	184.410	0.000

**B)**

	<b>Value</b>	<b>SE</b>	<b>z-value</b>	<b>p-value</b>
Intercept (primary infection)	17.28	0.29	59.2	<b>&lt; 0.001</b>
DPI	-0.32	0.005	-63.5	<b>&lt; 0.001</b>
Ct-value	-0.41	0.005	-76.4	<b>&lt; 0.001</b>
Secondary infection	-1.85	0.005	-365.5	<b>&lt; 0.001</b>