

Supplemental table 1(a). H7N1 LPAI- challenged ostriches

Day	#11 (challenged)					#13 (challenged)				#15 (challenged)			Mean Shedding***	
	Clinical signs	Temp. °C	Tracheal shedding Log ₁₀ EID ₅₀ /ml (Ct)	Cloacal shedding Log ₁₀ EID ₅₀ /ml (Ct)	Clinical signs	Temp. °C	Tracheal shedding Log ₁₀ EID ₅₀ /ml (Ct)	Cloacal shedding Log ₁₀ EID ₅₀ /ml (Ct)	Clinical signs	Temp. °C	Tracheal shedding Log ₁₀ EID ₅₀ /ml (Ct)	Cloacal shedding Log ₁₀ EID ₅₀ /ml (Ct)	Tracheal Log ₁₀ EID ₅₀ /ml	Cloacal Log ₁₀ EID ₅₀ /ml
1	normal	39.8	5.21 (20.57)	1.31 (35.02)	normal	39	6.07 (17.39)	0.53 (37.93)	normal	39.5	6.47 (15.92)	0.96 (36.33)	6.15	1.04
2	normal	39.6	3.39 (27.34)	0	normal	39.8	3.16 (28.16)*	0	normal	39.6	3.41 (27.27)	0	3.33	NA
3	normal	40.1	1.97 (32.57)	0	normal	39.9	3.49 (26.97)*	0	normal	39.9	3.09 (28.45)*	0	3.16	NA
4	normal	40.1	2.03 (32.37)*	0	normal	39.8	2.29 (31.40)*	1.38 (34.79)	normal	40.2	2.58 (30.33)	1.93 (32.73)	2.36	1.74
5	normal	39.9	2.80 (29.51)*	0	normal	40	2.49 (30.67)	0	normal	40.2	3.47 (27.04)	1.00 (37.24)	3.11	1
6	normal	39.8	2.28 (31.45)	0.84 (36.76)	normal	39.6	3.27 (27.77)	0.99 (36.22)	normal	39.7	3.47 (27.03)	0	3.22	0.92
7	normal	40.2	0	0	normal	40.2	4.25 (24.14)	1.24 (35.30)	diarrhoea	40.4	2.85 (29.34)	2.87 (29.25)	3.96	2.58
8	normal	40.2	0	1.51 (34.28)	normal	40.3	2.05 (32.29)*	1.28 (35.16)	normal	39.8	1.55 (34.13)*	0	1.87	1.41
9	normal	40.1	1.35 (35.45)*	0	normal	40	1.18 (36.54)	1.21 (35.99)	normal	40.1	1.29 (35.68)	1.36 (35.40)	1.28	1.29
10	mild unilateral conjunctivitis	39.7	1.00 (37.08)*	1.23 (35.91)	normal	40	1.73 (34.00)	1.25 (35.82)	normal	39.8	1.37 (35.37)	2.13 (32.46)	1.46	1.76
11	mild unilateral conjunctivitis	40.1	1.31 (35.58)*	0	normal	39.8	1.14 (36.23)*	1.12 (36.33)	normal	40	0	1.30 (35.62)	1.24	1.22
12	normal	39.8	0	0	normal	39.9	0	0.86 (36.87)	normal	39.7	0.78 (37.18)*	0	0.78	0.86
13	normal	40	0	0	normal	39.9	0	0	normal	40.2	1.71 (33.70)*	0	1.71	NA
14	normal	39.9	0	0	normal	40	0	0	normal	40	0.92 (36.65)	0	0.92	NA

*Boldface- fever; *Virus isolation negative; **Virus isolation positive; ***Only positive animals considered; NA Not Applicable*

Supplemental table 1(b). H7N1 LPAI-contact ostriches

Day	Clinical signs	#6 (contact)			#12 (contact)			#16 (contact)			Mean Shedding***			
		Temp. °C	Tracheal shedding Log ₁₀ EID ₅₀ /ml (Ct)	Cloacal shedding Log ₁₀ EID ₅₀ /ml (Ct)	Clinical signs	Temp. °C	Tracheal shedding Log ₁₀ EID ₅₀ /ml (Ct)	Cloacal shedding Log ₁₀ EID ₅₀ /ml (Ct)	Clinical signs	Temp. °C	Tracheal shedding Log ₁₀ EID ₅₀ /ml (Ct)	Cloacal shedding Log ₁₀ EID ₅₀ /ml (Ct)	Tracheal Log ₁₀ EID ₅₀ /ml	Cloacal Log ₁₀ EID ₅₀ /ml
1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
2	normal	39.7	NS	NS	normal	39.9	NS	NS	normal	40	NS	NS	NS	
3	normal	39.7	1.02 (36.09)	0	normal	39.9	1.34 (34.91)	1.13 (36.28)	normal	39.9	0	1.53 (34.75)	1.21	1.38
4	normal	40.1	2.96 (28.92)*	0	mild unilateral conjunctivitis, rhinitis	40.3	5.73 (18.66)	1.94 (34.02)	normal	40.1	0	2.18 (33.26)	5.43	2.07
5	normal	40.5	6.15 (17.10)	0	mild unilateral conjunctivitis, rhinitis	40.1	3.75 (26.01)	2.05 (32.77)	normal	40	6.53 (15.71)	1.89 (33.37)	6.20	1.98
6	normal	39.8	4.04 (24.91)**	0	mild unilateral conjunctivitis, rhinitis	39.7	2.30 (31.35)*	0.98 (36.86)	normal	39.7	4.46 (23.36)	0	4.12	0.98
7	normal	40.2	4.94 (21.56)	0	mild unilateral conjunctivitis, rhinitis	40.5	2.82 (29.45)*	0	normal	40.1	3.32 (27.57)	0	4.48	NA
8	normal	40.4	5.0 (21.36)	0	mild unilateral conjunctivitis, rhinitis	40.4	2.97 (28.86)	0	normal	40.5	4.14 (24.55)	0	4.58	NA
9	normal	40.1	5.7 (18.87)	0	conjunctivitis, rhinitis	40.4	4.48 (23.52)	0	normal	40	4.64 (22.90)	1.38 (35.35)	5.28	1.38
10	normal	40.3	5.25 (20.60)	0.63 (38.19)	rhinitis, laryngitis	40.4	4.36 (23.98)	0.98 (36.85)	normal	40.3	4.15 (24.76)**	1.42 (35.17)	4.85	1.13
11	normal	40.4	4.53 (23.31)	1.61 (34.47)	laryngitis	40.5	3.43 (27.52)**	1.56 (34.63)	normal	40	4.21 (24.56)	1.06 (36.55)	4.25	1.47
12	normal	40	3.37 (27.48)*	0	rhinitis, laryngitis	40.3	1.49 (34.51)	0.91 (36.67)	normal	40	3.39 (23.69)	0	3.95	0.91
13	normal	40.1	1.74 (33.58)*	0	normal	40.1	0	0	normal	40	2.95 (29.06)	0	2.68	NA
14	normal	40.7	1.49 (34.51)*	0	normal	40.3	0	0.85 (36.91)	normal	40	2.58 (30.45)*	0.76 (37.25)	2.31	0.81

NS- not sampled; boldface- fever; *Virus isolation negative; **Virus isolation positive; ***Only positive animals considered; NA Not Applicable