

Table S1. Raw data used to estimate the probability density distribution of R_0 .

flock ID	flock size	virus strain	first sampling			second sampling			third sampling			fourth sampling		
			day	serology result (positive/tested)	virology result (pool)	day	serology result (positive/tested)	virology result (pool)	day	serology result (positive/tested)	virology result (pool)	day	serology result (positive/tested)	virology result (pool)
1	8900	H7N3	92	0/10	not done	97	not done	negative	125	10/10	negative			
2	13300	H7N3	79	0/10	not done	103	not done	negative	127	10/10	negative			
3	4300	H7N3	133	5/10	negative									
4	11000	H7N3	58	0/10	negative	105	10/10	negative	147	7/10	not done			
5	8000	H7N3	82	0/10	negative	124	0/10	positive	128	0/10	negative	135	9/10	negative
6	6400	H7N3	64	0/10	negative	92	0/10	negative	99	10/10	negative			
7	13000	H7N3	73	0/10	not done	107	9/10	negative	149	not done	negative			
8	11000	H7N3	78	0/10	negative	112	9/10	negative	154	not done	negative			
9	15000	H7N3	101	not done	positive	107	0/10	positive	109	10/10	not done	114	not done	negative
10	16800	H7N3	89	0/10	negative	126	0/10	negative	131	9/10	negative			
11	10000	H7N1	77	0/10	not done	96	10/10	not done	99	not done	negative			
12	10900	H7N3	34	0/10	not done	49	not done	negative	83	10/10	negative			
13	6116	H7N3	63	0/10	not done	106	9/10	negative						
14	5200	H7N3	66	0/10	negative	117	10/10	negative	144	not done	negative			
15	5000	H7N3	73	0/10	negative	109	8/8	negative	116	9/10	negative	132	not done	negative
16	6800	H7N3	80	0/10	not done	84	not done	negative	118	10/10	negative	151	not done	negative
17	16000	H7N3	43	0/10	negative	79	10/10	negative						
18	6580	H7N1	87	0/10	positive	102	20/20	negative	110	not done	negative			
19	12600	H7N1	81	9/10	negative	93	6/10	not done						
20	12600	H7N1	81	8/10	negative	93	6/10	not done						
21	12600	H7N1	81	10/10	negative	93	3/10	not done						
22	3600	H7N3	56	not done	negative	101	10/10	negative						
23	25600	H7N1	71	12/15	negative	78	8/20	not done						
24	7600	H7N3	55	0/10	not done	76	0/10	negative	98	10/10	negative	111	10/10	not done
25	7500	H7N1	51	0/10	not done	64	1/10	negative						
26	7800	H7N3	84	0/10	negative	102	10/10	negative						
27	4000	H7N1	81	0/10	not done	86	0/15	negative	106	0/10	not done	110	10/10	negative
28	6400	H7N1	87	8/10	not done	91	not done	negative	98	8/10	not done	114	10/10	negative
29	12000	H7N3	88	10/10	not done	92	10/10	negative	112	not done	negative	115	not done	negative
30	17760	H7N3	65	0/10	not done	131	9/10	negative	145	7/10	negative	147	not done	negative
31	17760	H7N3	65	0/10	not done	131	7/10	negative						
32	12000	H7N3	42	not done	negative	77	0/10	negative	106	10/10	negative			
33	12320	H7N3	103	0/10	not done	125	0/10	negative	137	not done	negative	152	10/10	negative
34	16000	H7N3	56	not done	negative	84	0/10	negative	112	10/10	negative			
35	9800	H7N3	71	0/10	negative	113	0/10	negative	136	2/10	negative	137	10/10	negative
36	15300	H7N3	91	0/10	not done	112	0/10	negative	140	9/10	negative			

Legend: day indicates the day of sampling, starting from the onset of the production cycle; the shaded cells corresponds to the data included in the analysis (i.e., earliest positive serological result associated to a negative virological result within ± 5 days).