Table S1. Farms involved on the 13 episodes of TVP-compatible grossly and condemned proventriculi at a broiler chicken processing plant in Argentina (Dec 2021-Apr 2022)

Farm number	Farm geolocation	Age of processed broilers (Days)	Average weight (Kg)	Processed broilers
1	-31.9949167 Lat -58.3497777 Long	47	3.07	N/A
2	-32.18999522 Lat -58.19608345 Long	N/A	N/A	N/A
3	-32.33049322 Lat -58.20971761 Long	49	2.92	21.486
4	-32.00802012 Lat -58.65552960 Long	42	2.97	126,143
5	-32.29521 Lat -58.34004 Long	46	2.95	117,308
6	-32.19587809 Lat -58.28020526 Long	50	2.94	61,293
7	-32.39559167 Lat -58.33325833 Long	48	2.97	115,233
8	-32.06226141 Lat -58.36849807 Long	48	2.85	32,041
9	-32.2760912 Lat -58.26372809 Long	48	2.86	43,179
10	-32.0328667 Lat -58.27524791 Long -	48	2.97	116,718
11	-32.2760912 Lat -58.26372809 Long	48	2.79	29.641

Table S2. Histopathologic findings and scoring of TVP-compatible grossly condemned proventriculi at a broiler chicken processing plant in Argentina (Dec 2021-Apr 2022)

Case number							**Extension**	**Severity**	**Scores**
	LFA	NGE	H/MGE	DPG	ILII	PICT	F/M/D	Mi/Mo/S	0 to 4
1		X	X	X	X	X	D	S	4
2		X	X	X	X	X	D	S	4
3		X	X	X	X	X	D	S	4
4	X	X	X	X	X		D	S	3
5	X	X	X	X	X		D	S	3
6		X	X	X	X	X	D	S	4
7	X	X	X	X	X		D	S	3
8	X	X	X	X	X		M	Mo	3
9	X	X	X	X	X		D	S	3
10	X	X	X	X	X		D	S	3
11	X			X			M	Mi	2
12	X			X			M	Mi	2
13	X	X	X	X	X		D	S	3
14	X	X	X	X	X	X	D	S	4
15		X	X	X	X	X	D	S	4
16		X	X	X	X	X	D	S	4
17		X	X	X	X	X	D	S	4

Case number	LFA	NGE	H/MGE	DPG	ILII	PICT	**Extension**	**Severity**	**Grades**
							F/M/D	Mi/Mo/S	0 to 4
18	X	X	X	X	X	X	M	S	4
19	X	X	X	X	X	X	M	S	4
20	X	X	X		X		M	S	3
21	X		X		X		M	Mi	2
22	X		X		X		D	Mi	2
23	X			X	X		D	Mi	2
24	X			X	X		M	Mi	2
25	X	X	X	X	X	X	M	S	4
26	X	X	X	X	X	X	M	S	4
27	X		X		X		D	Mi	2
28	X	X	X		X		M	Mo	3
29	X	X	X	X	X		M	Mo	3
30	X	X	X	X	X		D	Mo	3
31	X	X	X	X	X	X	D	S	4
32	X	X	X	X	X	X	D	S	4
33	X	X	X	X	X	X	D	S	4
34	X	X	X	X	X	X	D	S	4
35	X	X	X	X	X	X	D	S	4
36	X	X	X	X	X	X	M	S	4
37		X	X		X	X	M	Mo	3
38		X	X		X	X	M	Mo	3

Case number							**Extension**	**Severity**	**Grades**
	LFA	NGE	H/MGE	DPG	ILII	PICT	F/M/D	Mi/Mo/S	0 to 4
39	X	X	X	X	X	X	D	Mo	3
40		X	X	X	X	X	D	S	4
41		X	X	X	X	X	M	S	4
42	X	X	X	X	X		M	Mo	3
43	X	X	X	X	X		D	Mo	3
44	X	X	X	X	X		M	S	4
45	X	X	X	X	X		D	S	4
46	X	X	X	X	X		D	S	4
47	X	X	X	X	X	X	M	S	4
48		X	X	X	X		M	Mo	3
49			X	X	X		M	Mo	3
50	X		X		X		M	Mi	2
51	X	X	X	X	X		D	Mi	2
52	X	X	X	X	X	X	D	S	4
53	X		X	X	X	X	D	S	4
54	X		X	X	X	X	D	S	4
55	X	X	X	X	X	X	D	S	4
56	X	X	X	X	X		M	S	4
57	X	X	X	X	X		D	Mo	3
58	X	X	X	X	X		D	S	4
59	X	X	X	X	X		M	S	4

Case number							**Extension**	**Severity**	**Grades**
	LFA	NGE	H/MGE	DPG	ILII	PICT	F/M/D	Mi/Mo/S	0 to 4
60	X	X	X	X	X	X	M	S	4
61		X	X	X	X		D	Mo	3
62		X	X	X	X	X	D	S	4
63		X	X		X	X	D	S	4
64		X			X	X	M	S	4
65		X		X	X	X	D	Mo	3
66	X	X	X		X	X	D	S	4
67	X	X	X	X	X	X	M	S	4
68	X	X	X	X	X	X	D	S	3
69	X	X	X	X	X	X	M	S	4
70	X	X	X	X	X		M	Mo	4
71	X	X	X	X	X		M	Mo	4
72	X	X	X	X	X		D	Mo	4
73	X	X	X	X	X		M	S	4
74	X	X	X	X	X		D	Mo	4
75	X	X	X	X	X	X	D	S	4
76	X	X	X	X	X	X	M	S	4
77	X	X	X	X	X		M	S	4
78	X	X	X	X	X		D	S	4
79	X	X	X	X	X	X	D	S	4
80	X		X	X	X	X	M	S	4

Case number							**Extension**	**Severity**	**Grades**
	LFA	NGE	H/MGE	DPG	ILII	PICT	F/M/D	Mi/Mo/S	0 to 4
81	X		X	X	X		M	Mo	2
82	X		X	X	X		M	Mo	2
83	X	X	X	X	X		M	Mi	2
84	X	X	X	X	X	X	M	Mi	2
85	X	X	X		X	X	D	Mi	2
86	X	X	X		X	X	D	S	4
87	X	X	X	X	X	X	D	S	4
88	X	X	X	X	X	X	D	S	4
89	X	X	X	X	X		D	S	4
90	X	X	X	X	X		D	S	4
91	X	X	X	X	X	X	M	Mo	4
92	X	X	X	X	X	X	D	Mo	3
93	X	X	X	X	X	X	D	S	4
94	X	X	X	X	X	X	D	S	4
95	X	X	X	X	X	X	D	Mo	3
96		X	X	X	X	X	D	S	4
97		X	X	X	X	X	D	S	4
98		X	X	X	X	X	D	S	4
99	X	X	X	X	X	X	D	S	4
100		X	X	X	X		D	S	4
101		X	X	X	X	X	M	S	4

Case number							**Extension**	**Severity**	**Grades**
	LFA	NGE	H/MGE	DPG	ILII	PICT	F/M/D	Mi/Mo/S	0 to 4
102	X	X	X	X	X	X	D	Mo	3
103		X	X	X	X	X	D	S	4
104		X	X	X	X	X	D	S	4
105	X	X		X	X	X	D	S	4
106	X			X	X	X	D	S	4
107	X		X	X	X		D	S	4
108		X	X	X	X		M	S	4
109	X	X	X	X	X		M	Mi	2
110		X	X	X	X		D	Mo	3
111		X	X	X		X	M	S	4
112		X	X	X		X	D	Mo	4
113	X	X	X	X	X		D	S	4
114		X	X	X	X	X	M	S	4
115	X	X	X	X	X	X	D	S	3
116	X	X	X	X	X	X	D	S	4
117		X	X	X	X		D	S	4
118	X	X	X	X	X		M	S	4
119	X	X	X	X	X		D	Mo	3
120	X		X	X	X		D	S	4
121	X		X	X	X		D	S	4
122	X		X		X		D	S	4

LFA = Lymphocytic follicular aggregates // NGE = Necrosis of glandular epithelium // H/MGE = Hyperplasia/metaplasia of glandular epithelium // DPG = Distension of proventricular glands // ILII = Intraglandular lymphocytic inflammatory infiltration // PICT = Proliferation of interstitial connective tissue // F/M/D = Focal / Multifocal / Diffuse // Mi/Mo/S = Mild / Moderate / Severe

Supplemental Table S3. Episodes of TVP-compatible grossly and condemned proventriculi at a broiler chicken processing plant in Argentina (Dec 2021-Apr 2022) including histopathologic scores and CPNV RT-PCR results

Episode of condemnation	Condemned proventriculi number (FFPE block number)	Histopathologic score	CPNV RT-PCR result per block number
1	1 (1) 2 (1) 3 (1)	4 4 4	(-)
2	4 (2) 5 (2) 6 (3) 7 (3) 8 (4) 9 (4) 10 (4)	3 3 4 3 3 3 3	(+) (+) (+)
3	11 (5) 12 (5) 13 (6) 14 (6) 15 (7) 16 (7) 17 (7) 18 (8) 19 (8) 20 (8)	2 2 3 4 4 4 4 4 4 3	(+) (+) (+) (+)

4	21 (9) 22 (9) 23 (10) 24 (10) 25 (11) 26 (11) 27 (12) 28 (12) 29 (13) 30 (13)	2 2 2 2 4 4 2 3 3 3	(+) (+) (+) (+) (+)
Episode of condemnation	**Condemned proventriculi number (FFPE block number)**	**Histopathologic score**	**CPNV RT-PCR result**
5	31 (14) 32 (14) 33 (15) 34 (15) 35 (16) 36 (16) 37 (17) 38 (17)	4 4 4 4 4 4 3 3	(+) (+) (+) (+)
6	39 (18) 40 (18) 41 (19) 42 (19) 43 (19) 44 (19) 45 (20) 46 (20) 47 (21) 48 (21) 49 (22) 50 (22) 51 (23) 52 (23)	3 4 4 3 3 4 4 4 4 3 3 2 2 4	(+) (+) (+) (+) (+) (-)
7	53 (24) 54 (24) 55 (25) 56 (25) 57 (26) 58 (26) 59 (27) 60 (27)	4 4 4 4 3 4 4 4	(+) (+) (-) (+)

8	61 (28) 62 (28) 63 (29) 64 (29) 65 (30) 66 (30) 67 (31) 68 (31) 69 (32) 70 (32)	3 4 4 4 3 4 4 3 4 4	(+) (+) (+) (+) (+)
Episode of condemnation	**Condemned proventriculi number (FFPE block number)**	**Histopathologic score**	**CPNV RT-PCR result**
9	71 (33) 72 (33) 73 (34) 74 (34) 75 (34) 76 (35) 77 (35) 78 (36) 79 (36) 80 (37) 81 (37)	4 4 4 4 4 4 4 4 4 4 2	(-) (-) (+) (+) (-)
10	82 (38) 83 (38) 84 (39) 85 (39) 86 (40) 87 (40) 88 (41) 89 (41) 90 (42) 91 (42)	2 2 2 2 4 4 4 4 4 4	(+) (+) (+) (+) (+)
11	92 (43) 93 (43) 94 (44) 95 (44) 96 (45) 97 (45) 98 (46) 99 (46) 100 (47) 101 (47)	3 4 4 3 4 4 4 4 4 4	(+) (-) (+) (+) (+)

12	102 (48) 103 (48) 104 (49) 105 (49) 106 (49) 107 (50) 108 (50) 109 (51) 110 (51) 111 (52) 112 (52)	3 4 4 4 4 4 4 2 3 4 4	(+) (-) (+) (+) (-)
Episode of condemnation	**Condemned proventriculi number (FFPE block number)**	**Histopathologic score**	**CPNV RT-PCR result**
13	113 (53) 114 (53) 115 (54) 116 (54) 117 (55) 118 (55) 119 (56) 120 (56) 121 (57) 122 (57)	4 4 3 4 4 4 3 4 4 4	(+) (+) (+) (+) (+)