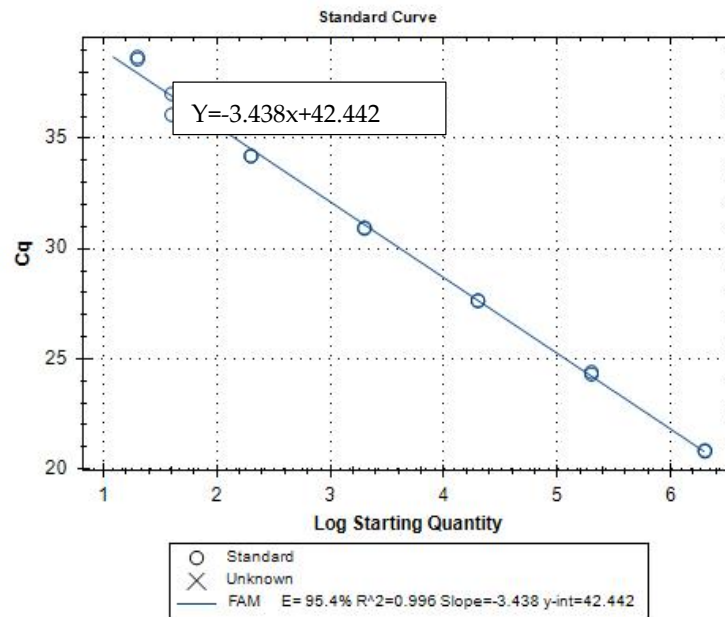
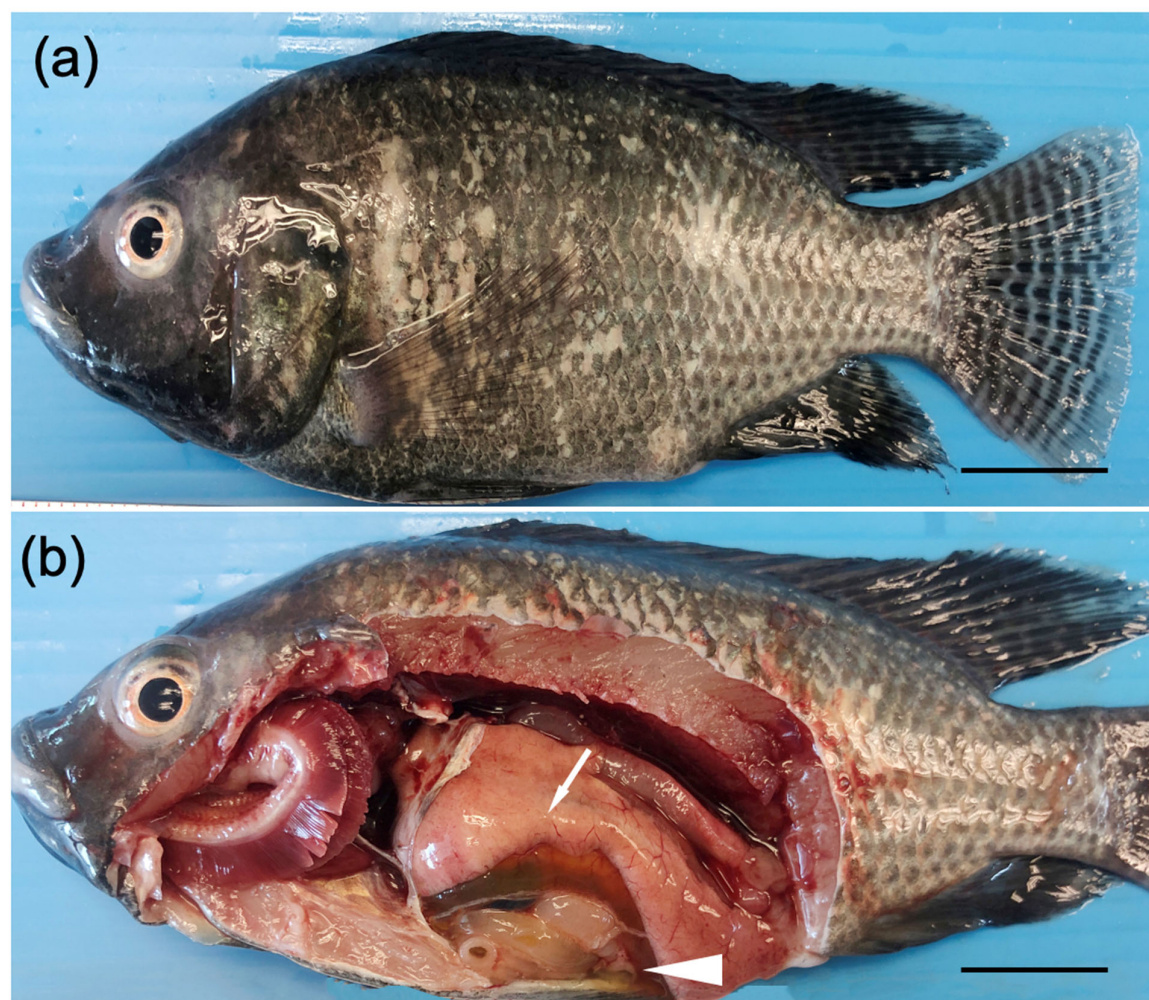


## Supplement data



**Figure S1.** Standard curve for viral load calculation.



**Figure S2.** (a) Gross lesions of infected fish showed scale erosion, skin lesions, discoloration. (b) Internal postmortem changes including gill pallor, liver pallor (arrow) and ascitic fluid (head arrow). Sample was taken on 6 dpc from group 3. Scale bar = 1 cm.

**Table S1.** TiLV copy number measured by RT-qPCR targeting RNA segment 9.

Fish No	Group	Time of death	C <sub>q</sub> for TiLV segment 9	C <sub>q</sub> for <i>EF1α</i>	Viral copy number/μg RNA template
1	3	Day 2	31.54	19.95	$7.4 \times 10^3$
2	3	Day 6	22.7	19.52	$1.4 \times 10^6$
3	3	Day 8	37.27	20.16	$1.6 \times 10^2$
4	3	Day 9	ND	19.52	0
5	3	Day 11	38.37	19.62	$7.5 \times 10$
6	3	Day 12	36.15	20.76	$3.4 \times 10^2$
7	3	Day 16	36.99	21.15	$1.8 \times 10^2$
8	3	Day 16	34.22	21.95	$1.2 \times 10^3$
9	3	Day 16	ND	19.43	0
10	3	Day 16	36.74	21.01	$2.3 \times 10^2$
11	3	Day 17	39.93	19.41	$2.5 \times 10$
12	1	Day 10	ND	19.81	0
13	2	Day 10	ND	20.11	0
14	1	Day 21	ND	21.01	0
15	1	Day 21	ND	20.91	0
16	1	Day 21	ND	21.04	0

17	1	Day 21	ND	21.21	0
18	1	Day 21	ND	20.90	0
19	2	Day 21	ND	21.79	0
20	2	Day 21	ND	22.40	0
21	2	Day 21	ND	20.24	0
22	2	Day 21	ND	21.58	0
23	2	Day 21	ND	21.25	0
24	3	Day 21	ND	22.44	0
25	3	Day 21	ND	20.37	0
26	3	Day 21	ND	19.06	0
27	3	Day 21	ND	19.59	0
28	3	Day 21	ND	22.31	0

ND: not detectable; C<sub>q</sub>: quantification cycle; *EF1α*: *elongation factor-1α* gene.