

Supplementary Material

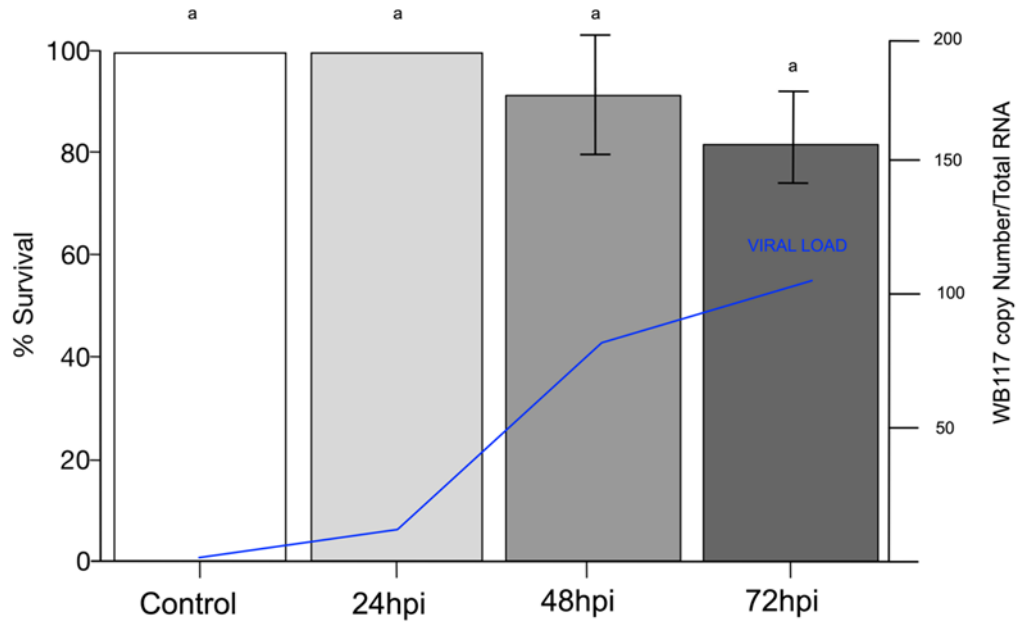


Figure S1. Survival rate and Viral load expressed as the abundance of WB117 segment of the IPNV virus by RT-qPCR in spleen. Bar graph showing differences in mRNA abundances between different times point and control (mean \pm s.d., Two-way ANOVA followed by Tukey's post-hoc test). Different letters denote significant differences. Mean and standard error of IPNV copy number per ng of total RNA for the VP2 IPNV viral segment.

Table S1. mRNA primer sequences used for absolute RT-qPCR analysis.

Gene	Name	Sequence Primer 5'-3'	Amplicon Size (bp)	E (%)	Tm (°C)	GenBank
<i>agrp1</i>	Acyl-CoA Retinol O-Fatty-Acyltransferase	F: GCGTTCTCCCCGTCGCTGTA R: TGTTAGGGGCGCCTGTGAGC	156	103	64	XM_014182677.1
<i>npy</i>	Neuropeptide Y	F: CCCCACACACTGGATACAC R: CATATCTGGACTGTGGGAGCG	77	101	64	NM_001146681.1
<i>mc4r</i>	Melanocortin 4 Receptor	F: CACCGACAACAACACCAGC R: CAGACTAATGAGGCCAGCG	97	99	62	XM_014127040.1
<i>crf</i>	Corticotropin-Releasing Factor	F: AACCAGCTCGACGACTCGATGG R: GCTATGGGCTTGTTGCTGTAAGT	135	103	60	BT057824
<i>leptin</i>	Leptin	F: GGTGATTAGGATCAATAAGCTGGA R: GAAGAGCATTAGGTCCTGGTAGAA	148	108	60	FJ830677.1
<i>lepr</i>	Leptin Receptor	F: GGGAAGGCTGACACTATGGA R: CTTGTCTGGGACTGACGTAGG	128	98	60	AB489201
<i>pomcb1</i>	Proopiomelanocortin b1	F: CTTCCGCTGGGGCAAACC R: CTCCCGCCATCTTGTCCT	146	101	60	NM_001128604.1
<i>cart</i>	CART Prepropeptide	F: AGTGTGATTGCCAGAAGCAGATG R: CATGTTGTCTTGCTGCCCCGCC	117	106	62	XM_014141510.1
<i>igf1</i>	Insulin Like Growth Factor 1	F: CCTGTTCGCTAAATCTCACTTC R: TACAGCACATCGCACTCTTGA	226	97	60	EF432852
<i>igf1-r</i>	Insulin Like Growth Factor 1 Receptor	F: GGGGCTCTCCTTCTGTCTTA R: AGAGATAGACGACGCCTCCTA	176	111	60	EU861008
<i>elovl2</i>	ELOVL Fatty Acid Elongase 2	F: CGGGTACAAAATGTGCTGGT R: TCTGTTTGCCGATAGCCATT	145	108	64	TC91192
<i>elovl5</i>	ELOVL Fatty Acid Elongase 5	F: ACAAGACAGGAATCTCTTTCAGATTAA R: TCTGGGTTACTGTGCTATAGTGAC	137	98	62	AY170327
<i>d5fad</i>	delta-5 fatty acyl desaturase	F: GTGAATGGGGATCCATAGCA R: AAACGAACGGACAACCAGA	192	101	60	AF478472
<i>d6fad</i>	delta-6 fatty acyl desaturase	F: GTGAATGGGGATCCATAGCA R: AAACGAACGGACAACCAGA	192	105	58	GU294488
<i>Tnfa</i>	Tumor Necrosis Factor-Alpha	F: AGGTTGGCTATGGAGGCTGT R: TCTGCTTCAATGTATGGTGGG	250	108	62	NM_001123589.1
<i>Il1b</i>	Interleukin 1 Beta	F: CGTCACATTGCCAACCTCAT R: ACTGTGATGTACTGCTGAAC	200	98	62	AY617117
<i>il-6</i>	Interleukin 6	F: CAGCGGAGAGGTAGTCTGGA R: CGTCCAGAAAGCAGTGGACT	139	107	60	DQ866150
<i>cox-2</i>	Cytochrome C Oxidase II	F: CAGTGCTCCCAGATGCCAAG R: GCGAAGAAGGCCAACATGAG	99	94	60	AY848944.1