

## Supplementary Materials and Methods

**Table S1.** Primer/probe sets.

Target		Primer/Probe Sets
Elongation factor 1 $\alpha$ <sup>1*</sup> (ELF-1 $\alpha$ )	Forward	GGCTGGTTCAAGGGATGGA
	Reverse	CAGAGTCACACCATTGGCGTTA
	Probe	FAM-TCGAGCGTAAGGATG-NFQ
ELF-1 $\alpha$ <sup>1</sup>	Forward	CCCCTCCAGGACGTTTACAAA
	Reverse	CACACGGCCCA-CAGGTACA
	Probe	HEX-CTCTCTCATTGTGATCCC-MGB/NFQ
IFNa3-like, transcript variants X1 and X2 <sup>1</sup>	Forward	TGCAGTATGCAGAGCGTGTG
	Reverse	TCTCCTCCCATCTGGTCCAG
	Probe	NA
Mx, transcript variant X1 <sup>1</sup>	Forward	GGTGATAGGGGACCAGAGT
	Reverse	CTCCTCACGGTCTTGGTAGC
	Probe	NA
Seg8 <sup>2</sup>	Forward	CGAAAGCCCTGGAACTTTAGA
	Reverse	GATGCCGGAAGTCGATGAACT
	Probe	FAM-AAGGCCATCGTCGCT-MGB/NFQ
Seg8 <sup>2</sup>	Forward	CTACACAGCAGGATGCAGATGT
	Reverse	CAGGATGCCGGAAGTCGAT
	Probe	FAM-CATCGTCGCTGCAGTTC-MGB/NFQ
Seg7 ORF1 <sup>2</sup>	Forward	CAGGGTTGTATCCATGGTTGAAATG
	Reverse	GTCCAGCCCCTAAGCTCAACTC
	Probe	FAM-GGGATCACAATGAGAGA-MGB/NFQ
Seg7 ORF2 <sup>2</sup>	Forward	ACGGAAAAGACAAGGTGGCTT
	Reverse	CCATCCTCCCCAGGAACCT
	Probe	FAM-TTCCTGTCGGGCTCA-MGB/NFQ

<sup>1</sup> Atlantic salmon, <sup>2</sup> ISAV, NA = not applicable, \* primers also used without probes in SYBR green assay.

**Table S2.** Synthetic DNA used for standard curve (gBlocks).

Targets	gBlock Sequence (Primer/Probe Targeted Sequences Underlined)
ELF-1 $\alpha$ <sup>1</sup> - Seg8 <sup>2</sup>	CATGCTGGAGGCTAGCGCCAACATGGGCTGGTTCAAGGGATGGAAGGTCGAGCGTAAGGATGGTAACG <u>CCAATGGTGTGACTCTGCTGGAAGCCCTGGACGATGCAGATGTATGCTCTAGGAGCGAGTTCGAAAGCC</u> <u>CTGGAAACTTTAGAAAAGGCCATCGTCGCTGCAGTTCATCGACTTCCGGCATC</u> CTGCTCGACAGAGAAG ATGGTGCCAGGGTTGTATCCATGGTTGAAATGGACAGAGACGGCGTATCATTATCTACGAGAAGCCTA GCATCTACCATAGTGATGGGTGCACTGGGACAGCATCGAGGGTCTGGAGACGGGATCACAATGAGAGA GCTGGAGTTGAGCTTAGGGCTGGACTTCACTTCAGAA
Seg7 ORF1 <sup>2</sup> -Seg7 ORF2 <sup>2</sup> -Seg8 <sup>2</sup>	AGCTAAGATTCTCCTTCTACAATGGATTTACCAAAGTGTATGGTGTGCTGGTTGACCAACTAAAACCTC <u>ACGGAAGAGACAAGGTGGCTTCTTTCCTGTCTGGGCTCAAAGGTTCTGGGGAGGATGGTATCTCAAGTA</u> CGTCAGGTATGCTGGACCTCTTGAAGGTGCTACACAGCAGGATGCAGATGTATGCTCTAGGAGCGAGTT <u>CGAAAGCCCTGGAACTTTAGAAAAGGCCATCGTCGCTGCAGTTCATCGACTTCCGGCATC</u> CTGCTCGA CAGAGAAGATGGTGCCAGGGTTGTATCCATGGTTGAAATGGACAGAGACGGCGTATCATTATCTACGA GAAGCCTAGCATCTACCATAGTGATGGGTGCACTGGGACAGCATCGAGGGTCTGGAGACGGGATCACA <u>ATGAGAGAGCTGGAGTTGAGCTTAGGGCTGGACTTCACTTCA</u> (GAA) <sup>3</sup>

<sup>1</sup> Atlantic salmon, <sup>2</sup> ISAV, <sup>3</sup> One variant of this gBlock did not include the nucleotides in brackets.