

Testing Records:

Alexandra Morton samples (Sockeye, Coho, Pink)

VT11072011_November 07 2011

AVC Lab #	Sample ID	ISAV seg 8 Probe, Cts Detects all ISAV
VT 11072011-79	Sockeye Gill and Heart Fish -1	0
VT 11072011-80	Coho Gill and Heart Fish -2	0
VT 11072011-81	Sockeye Gill and Heart Fish -3	0*
VT 11072011-82	Sockeye Gill and Heart Fish -4	0
VT 11072011-83	Sockeye Gill and Heart Fish -5	0
VT 11072011-84	Sockeye Gill and Heart Fish -6	0
VT 11072011-85	Sockeye Gill and Heart Fish -7	0
VT 11072011-86	Sockeye Gill and Heart Fish -8	0
VT 11072011-87	Pink Gill and Heart Fish -9	0
VT 11072011-88	Sockeye Gill and Heart Fish -10	0
VT 11072011-89	Coho Gill and Heart Fish -11	0
VT 11072011-90	Sockeye Gill and Heart Fish -12	0
VT 11072011-91	Coho Gill and Heart Fish -13	0
VT 11072011-92	Coho Gill and Heart Fish -14	0
ADL-ISAV (European genotype)		18.5
NBISAV01 (North American genotype)		18.06
NTC (water)		0

EXPLANATORY NOTES:

1. All samples were tested for ISAV using real-time RT-PCR with TaqMan probe for ISAV segment 8. The result is the number of PCR cycles to reach reliable detection of product (cycle threshold or Ct).
2. Based on this PCR test, all 14 tissue samples provided to the laboratory were RT-PCR negative. This test means none of the tissues contained ISAV sequences of genome segment 8.
3. The laboratory did not participate in the collection of the samples or in the custody of the samples prior to receipt of the samples. The laboratory therefore cannot guarantee the integrity of the samples.
4. For convenience, the samples are identified using the labels provided by the party who requested testing by the laboratory.
5. Case history on the submitted samples was requested and is attached to this report.
6. The pooled tissue samples (heart and gill) were received at the laboratory and immediately stored at -80°C freezer until they were processed.
7. In accordance with the Health of Animals Act, the test results have been reported to representatives from the CFIA by the laboratory.

INTERPRETATION:

1. Ct up to 40 are positive. Ct between 40.1 and 45 are considered suspicious. Sample is negative if there is no Ct value.

*sample had a Ct value in one of the replicates with one of the algorithms but upon visual inspection had no amplification curve, hence the interpretation as a negative result.



November 20, 2011

**Raincoast Research Box 399, Sointula, B.C. V0N
3E0 Canada**

Sample Owner: Alexandra Morton

Owner Address: Box 399, Sointula, BC, V0N 3E0

Collection site: Harrison River (mill)

Storage prior to shipping: on ice

Date samples taken from fish: Nov. 4, 2011

Clinical Symptoms: Dead before spawning

Tissues: in individual whirl pack bags

Fish Species:

Fish # 1 - sockeye

Fish# 2 – Coho

Fish# 3 – sockeye

Fish # 4 – sockeye

Fish #5 – sockeye

Fish #6 – sockeye

Fish #7 – sockeye

Fish #8 – sockeye

Fish #9 – pink

Fish #10 – sockeye

Fish #11 – coho

Fish #12 – sockeye

Fish # 13 – coho

Fish # 14 - coho

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Alexandra Morton