

Lab #	Sample ID	ISAV seg 8 Probe, Cts Detects all ISAV	ISAV Seg 6 Probe 52 Cts Detects European genotype	ISAV Seg 6 Probe 82 Cts Detects North American genotype
VT 10142011-49	Coho heart-1	0	not done	not done
VT 10142011-50	Chinook heart-2	0	not done	not done
VT 10142011-51	Coho heart-3	0	not done	not done
VT 10142011-52	Chinook heart-4	0	not done	not done
VT 10142011-53	Coho heart-6	0	not done	not done
VT 10142011-54	Sokeye heart-7	0	not done	not done
VT 10142011-55	Coho heart-8	0	not done	not done
VT 10142011-56	Coho heart-9	0	not done	not done
VT 10142011-57	Chum heart-10	0	not done	not done
VT 10142011-58	Coho heart-11	33.61 (1/2)	33.06	0
VT 10142011-59	Coho Gill-1	0	not done	not done
VT 10142011-60	Chinook Gill-2	32.99	0	0
VT 10142011-61	Coho Gill-3	0	not done	not done
VT 10142011-62	Chinook Gill-4	0	not done	not done
VT 10142011-63	Coho Gill-6	0	not done	not done
VT 10142011-64	Sokeye Gill-7	0	not done	not done
VT 10142011-65	coho Gill-8	0	not done	not done
VT 10142011-66	Coho Gill-9	0	not done	not done
VT 10142011-67	Chum Gill-10	33.77 (1/2)	0	0
VT 10142011-68	Coho Gill-11	0	not done	not done
ADL-ISAV (European genotype)		16.85	18.45	0
NBISAV01 (North American genotype)		16.43	0	14.73
NTC (water)		0	0	0

**EXPLANATORY NOTES:**

- 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).
- Based on this PCR test, 3 of the tissue samples provided to the laboratory were RT-PCR positive. This test means only that 3 tissues contained ISAV sequences of genome segment 8.
- The 3 tissues that tested positive were further tested using real-time RT-PCR with TaqMan probes for ISAV segment 6 for genotyping.
- 1 of the 3 tissues tested positive for ISAV of the European genotype. This test did not detect any segment 6 sequences in the other 2 samples.
- The ISAV sequences detected from the samples could be from viable or non-viable virus. The virus could be pathogenic or non-pathogenic.
- The presence of ISAV sequences in the tissue samples does not imply that the subject fish had ISA or that ISA is present in the area where the subject fish were collected from.
- Confirmation of ISAV infection requires virus isolation in cell culture and identification. This additional testing is underway, and results will not be known for another 6 weeks.
- 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.
- For convenience, the samples are identified using the labels provided by the party who requested testing by the laboratory.
- The samples were tested as received at the laboratory.
- In accordance with the Health of Animals Act, the test results have been reported to representatives from the CFIA by the laboratory.

**INTERPRETATION:**

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