

05 January 2012

Inter-laboratory Proficiency Test 1 and 2 2011

Dear Colleague(s),

Thank you for providing us all the results of the proficiency tests 2011 in time. Below you will find a list of the contents of PT1 ampoule I to V and of PT2 ampoule VI-X. A full report will be produced and submitted to you in Marts 2012.

We wish you all a Happy New Year

Yours sincerely

Niels Jørgen Olesen, Nicole Nicolajsen and Søren Kahns

Ps. Søren Kahns started in another job January 1st 2012 and is unfortunately not in our team anymore. His new e-mail address is ska@teknologisk.dk.

EXPECTED RESULTS FOR PT1:

Code	Specifications
<p>Ampoule I:</p> <p>VHSV Isolate 1p8</p>	<p>VHSV 1p8 Marine isolate (1996) from herring (<i>Clupea harengus</i>) caught in the Baltic Sea. (Mortensen et al. 1999). Cell culture passage number: 7 Genotype Ib. GenBank accession numbers: AY546573 (G-gene) and GQ325430, AY356652 (N-gene) www.fishpathogens.eu ID number: 2251</p> <p>Reference on isolate: Mortensen HF, Heuer OE, Lorenzen N, Otte L and Olesen NJ (1999). Isolation of viralhaemorrhagic septicaemia virus (VHSV) from wild marine fish species in the Baltic Sea, Kattegat, Skagerrak and the North Sea. <i>Virus Research</i> 63, 97-108.</p> <p>References on sequences: Campbell S., Collet B., Einer-Jensen K., Secombes C.J. & Snow M. (2009) Identifying potential virulence determinants in viral haemorrhagic septicaemia virus (VHSV) for rainbow trout. <i>Diseases of Aquatic Organisms</i> 86, 205-212. Einer-Jensen K, Ahrens P, Forsberg R and Lorenzen N (2004). Evolution of the fish rhabdovirus viral haemorrhagic septicaemia virus. <i>Journal of General Virology</i> 85, 1167-1179. Snow M, Bain N, Black J, Taupin V, Cunningham CO, King JA, Skall HF and Raynard RS (2004). Genetic population structure of marine viral haemorrhagic septicaemia virus (VHSV). <i>Diseases of Aquatic Organisms</i> 61, 11-21.</p>
<p>Ampoule II:</p> <p>EHN Isolate 86/8774</p>	<p>EHNV Isolate 86/8774 Received from the EHNV OIE reference laboratory (EURL file number 202213). Australian freshwater isolate from rainbow trout from Adaminaby Trout Farm, NSW obtained in 1986 by Jeremy Langdon. Cell culture passage number: 8 GenBank accession numbers: FJ433873, AY187045, AF157667</p> <p>Reference on isolate: Langdon JS, Humphrey JD & Williams LM (1988). Outbreaks of an EHNV-like iridovirus in cultured rainbow trout, <i>Salmo gairdneri</i> Richardson, in Australia. <i>Journal of Fish Diseases</i> 11, 93-96.</p> <p>References on sequences: Hyatt A.D., Gould A.R., Zupanovic Z., Cunningham A.A., Hengstberger S., Whittington R.J., Kattenbelt J. & Coupar B.E.H. (2000) Comparative studies of piscine and amphibian iridoviruses. <i>Archives of Virology</i> 145, 301-331. Jancovich J.K., Bremont M., Touchman J.W. & Jacobs B.L. (2010) Evidence for multiple recent host species shifts among the ranaviruses (family Iridoviridae). <i>Journal of Virology</i> 84, 2636-2647. Marsh I.B., Whittington R.J., O'Rourke B., Hyatt A.D. & Chisholm O. (2002) Rapid differentiation of Australian, European and American ranaviruses based on variation in major capsid protein gene sequence. <i>Molecular and Cellular Probes</i> 16, 137-151.</p>
<p>Ampoule III:</p> <p>European Catfish virus (ECV) Isolate 562/92 Low titre</p>	<p>European catfish virus 562/92. Italian isolate from catfish suffering high mortality. Received from Dr. G. Bovo, ISZ-Ve, Padova, Italy. Cell culture passage number: 7 GenBank accession number: FJ358608</p> <p>Reference on isolate: Bovo G, Comuzi M, De Mas S, Ceschia G, Giorgetti G, Giacometti P & Cappellozza E (1993). Isolamento di un agente virale irido-like da pesce gatto (<i>Ictalurus melas</i>) dall'evamento. <i>Bollettino Societa Italiana di Patologia Ittica</i> 11, 3-10.</p> <p>Reference on sequence: Holopainen R., Ohlemeyer S., Schütze H., Bergmann S.M. & Tapiovaara H. (2009) Ranavirus phylogeny and differentiation based on major capsid protein, DNA polymerase and neurofilament triplet H1-like protein genes. <i>Diseases of Aquatic Organisms</i> 85, 81-91.</p>

Code	Specifications
<p>Ampoule IV:</p> <p>IHNV Isolate 32/87 + IPNV Strain Sp</p>	<p>IHNV 32/87. First French isolate (April 1987) from rainbow trout. Cell culture passage number: 9 GenBank accession number: J265717 and AY524121 (G-gene), FJ265711 (N-gene).</p> <p>Reference on isolate: <i>Baudin Laurencin F (1987) IHN in France. Bulletin of the European Association of Fish Pathologists 7, 104.</i></p> <p>Reference on sequence: Kolodziejek J., Schachner O., Dürrwald R., Latif M. & Nowotny N. (2008) "Mid-G" region sequences of the glycoprotein gene of Austrian infectious hematopoietic necrosis virus isolates form two lineages within European isolates and are distinct from American and Asian lineages. <i>Journal of Clinical Microbiology 46, 22-30.</i></p> <p>Johansson T., Einer-Jensen K., Batts W., Ahrens P., Björklund H. & Lorenzen N. (2009) Genetic and serological typing of European infectious haematopoietic necrosis virus (IHNV) isolates. <i>Diseases of Aquatic Organisms 86, 213-221.</i></p> <p>+</p> <p>Type strain Sp (Spjarup) of IPN virus. Cell culture passage number in BF-2: 17</p> <p>Reference on isolate: Jørgensen P.E.V. & Bregnballe F. (1969) Infectious pancreatic necrosis in rainbow trout in Denmark. <i>Nordisk Veterinærmedicin 21, 142-148.</i></p> <p>Jørgensen P.E.V. & Grauballe P.C. (1971) Problems in the serological typing of IPN virus. <i>Acta Veterinaria Scandinavica 12, 145-147.</i></p>
<p>Ampoule V:</p> <p>IPNV Strain Sp</p>	<p>Type strain Sp (Spjarup) of IPN virus. Cell culture passage number in BF-2: 17</p> <p>Reference on isolate: Jørgensen P.E.V. & Bregnballe F. (1969) Infectious pancreatic necrosis in rainbow trout in Denmark. <i>Nordisk Veterinærmedicin 21, 142-148.</i></p> <p>Jørgensen P.E.V. & Grauballe P.C. (1971) Problems in the serological typing of IPN virus. <i>Acta Veterinaria Scandinavica 12, 145-147.</i></p>

EXPECTED RESULTS FOR PT2:

Code	Specifications
Ampoule VI: ISAV Glesvaer 2/90 Low titre	<p>ISAV Glesvaer/2/90</p> <p>Received from Dr. B. Dannevig, ISA OIE Reference Laboratory, Oslo, Norway</p> <p>References: Mjaaland S, Rimstad E, Falk K & Dannevig BH (1997). Genomic characterization of the virus causing infectious salmon anemia in Atlantic salmon (<i>Salmo salar</i> L.): an orthomyxo-like virus in a teleost. Journal of Virology 71, 7681-7686. Falk K, Namork E, Rimstad E, Mjaaland S & Dannevig BH (1997). Characterization of infectious salmon anemia virus, an orthomyxo-like virus isolated from Atlantic salmon (<i>Salmo salar</i> L.) Journal of Virology 71, 9016-9023.</p>
Ampoule VII: ISAV Glesvaer 2/90 High titre	<p>ISAV Glesvaer/2/90</p> <p>Received from Dr. B. Dannevig, ISA OIE Reference Laboratory, Oslo, Norway</p> <p>Same as Ampoule VI</p>
Ampoule VIII: KHV KHV-TP 30 High titre	<p>KHV-TP 30</p> <p>Koi Herpesvirus - CyHV-3: KHV-TP 30 (syn: KHV-T (for Taiwan)). KHV-TP 30 was isolated from koi in Taiwan and cloned for producing large plaques by Dr. Peiyu Lee, Institute of Medical Biotechnology, Central Taiwan University of Science and Technology, Dakeng, BeiTung District, TaiChung City 406, Taiwan in-2005. The isolate was provided by Dr. Sven M. Bergmann, Friedrich-Loeffler-Institut (FLI), Federal Research Institute for Animal Health, Südufer 10, 17393 Greifswald-Insel Riems, Germany</p>
Ampoule IX: <i>Aphanomyces</i> <i>invadans</i> NJM 9701	<p><i>Aphanomyces piscicida/invadans</i> spores NJM9701</p> <p>Received from Dr. Kishio Hatai, Lab Fish Diseases NVLU Tokyo, Japan</p> <p>Reference: Kurata O., Kanai H. & Hatai K. (2000) Hemagglutinating and hemolytic capacities of <i>Aphanomyces piscicida</i>. Fish Pathology - Gyobyo Kenkyu 35, 29-33.</p>
Ampoule X: KHV KHV-TP 30 Low titre	<p>KHV-TP 30</p> <p>Same as Ampoule VIII</p>