





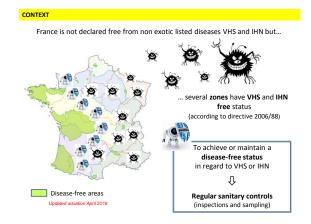


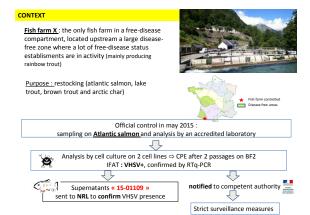
**Epidemiological investigation and** management of a case of VHS detected in Atlantic salmon in a French fish farming in 2015

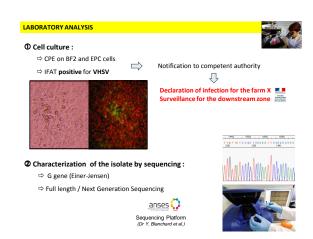
L.Louboutin<sup>1</sup>, J.Cabon<sup>1</sup>, M.Baud<sup>1</sup>, L.Bigarré<sup>1</sup>, C.Pau<sup>2</sup>, T.Roman<sup>3</sup>, A. Le Breton<sup>4</sup>, T. Morin<sup>1</sup>

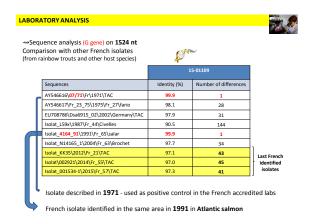
- ench Agency for Food, Environmental and Occupational Health & Safety, Université Bretagne Loire, Plouzané, France CSSPP des Hautes-Pyrénées Tarbes, France ALD Direction Générale de Fallmentation PARIS, France an Le Breton Vet Eau Grenade sur Garonne, France

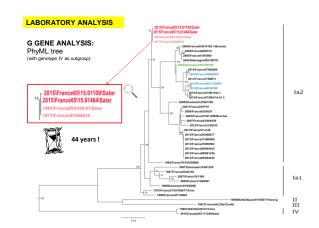
In collaboration with N.J. Olesen, EURL, Technical University of Denmark (DTU), National Veterinary Institute

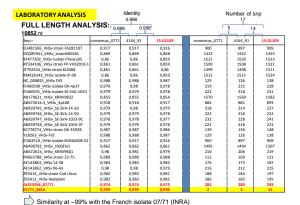




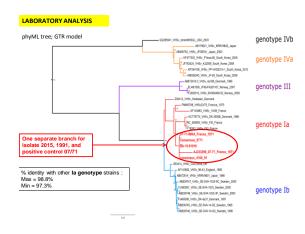


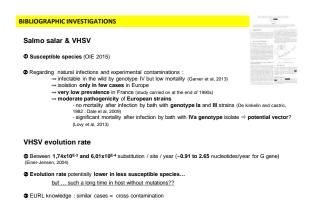


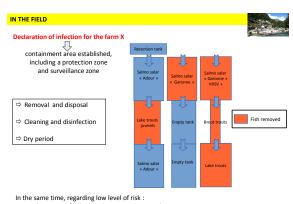




Several mistakes on Genebank sequence AJ233396 (strain 07/71)







SENTINEL PROCEDURE Water temperature : 10 to 14°C Effluent treated with chlorine Neutralization by addition of thiosulfate

Sentinel procedure initiated

- Other strain of Atlantic salmon not eliminated



- ➤ Several visits of veterinarian (surveillance of mortality)
- ➤ Middle of procedure : sampling of 60 rainbow trouts for cell culture and Real time RT-PCR

> After 6 weeks : veterinary visit and observation by epidemiologist 150 rainbow trouts sampled for analysis

No VHSV detected

## CONCLUSION

**Surveillance** of the investigated zone and **restriction lift** the week following negative result obtained by cell culture analysis.

No more case of VHSV detected in the farms located downstream

Estimated cost of 160 000€ for removal and disposal



## October 2015 :

The X farm was eventually qualified again with disease-free status

ANSES report : https://www.anses.fr/fr/system/files/LABO2015sa0161.pdf