

Vatn/sjógvur í sjúkuývirvøku

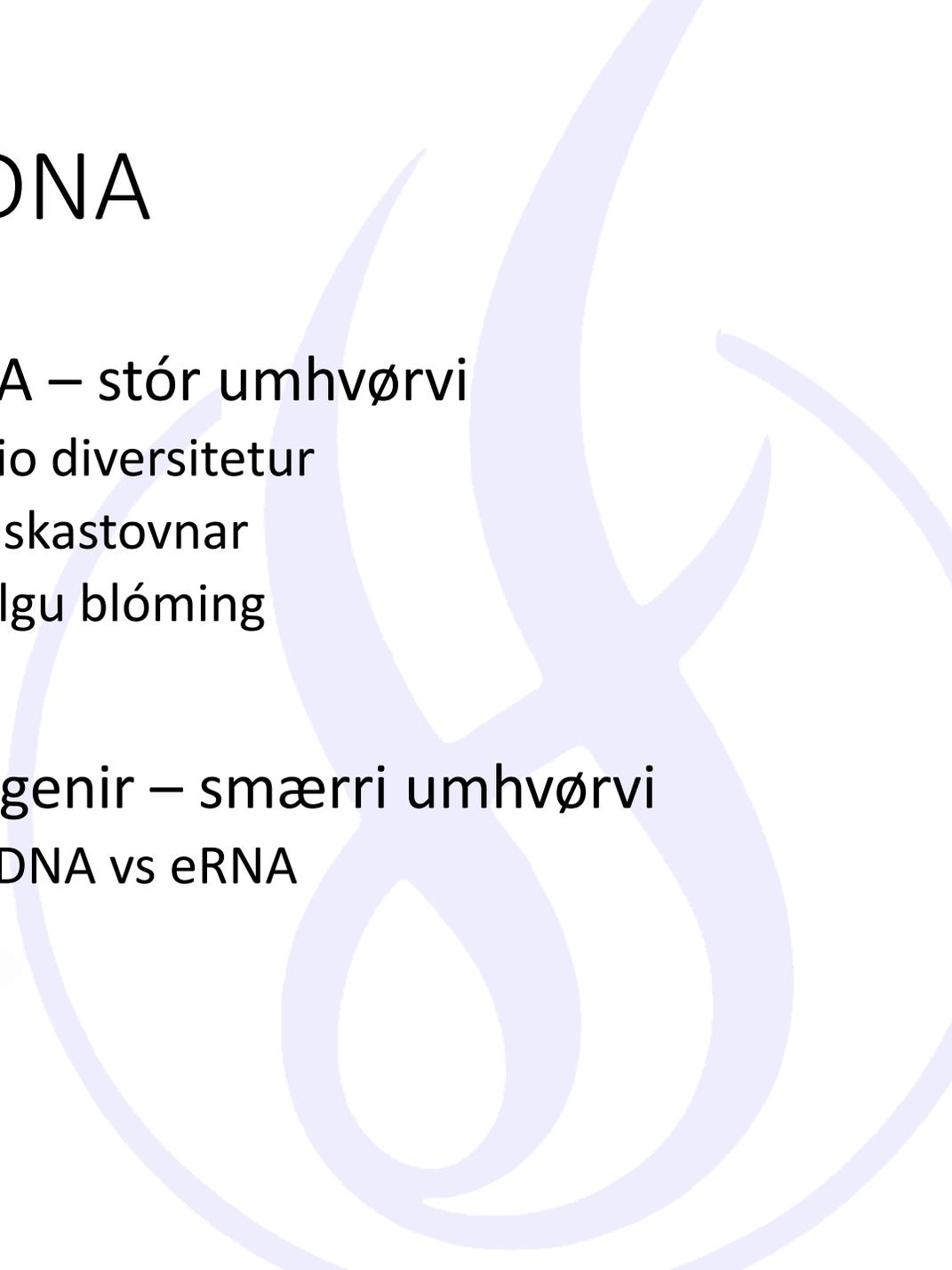
Aliráðstevnan 2020



HEILSUFRØÐILIGA
STARVSSTOVAN
Faroese Food and Veterinary Authority



Umhvørvis-DNA

- eDNA – stór umhvørvi
 - Bio diversitetur
 - Fiskastovnar
 - Algu blóming
 - Patogenir – smærri umhvørvi
 - eDNA vs eRNA
- 

Umhvørvissvab



BSc Thesis

Piscine myocarditis virus (PMCV) in the environment of farmed Faroese salmon
Investigations of salmon farming facilities in the sea and on land

Ragnar Christiansen

Umhvørvissvab



- 229 umhvørvissvab
- 3 PMCV positiv við høgum Ct (36-39)

Niðurstøða

Fyri at finna PMCV í umhvørvinum, skulu sýni takast har meira biologiskt material er.

Lúsateljing



- Øll alibrúk
- Allir ringar
- Aðru hvørja viku
- 10 fiskar í eitt kar
 - nógv biologiskt material

'Lúsa'-vatnsýni



Jelena Karanovic Ilic

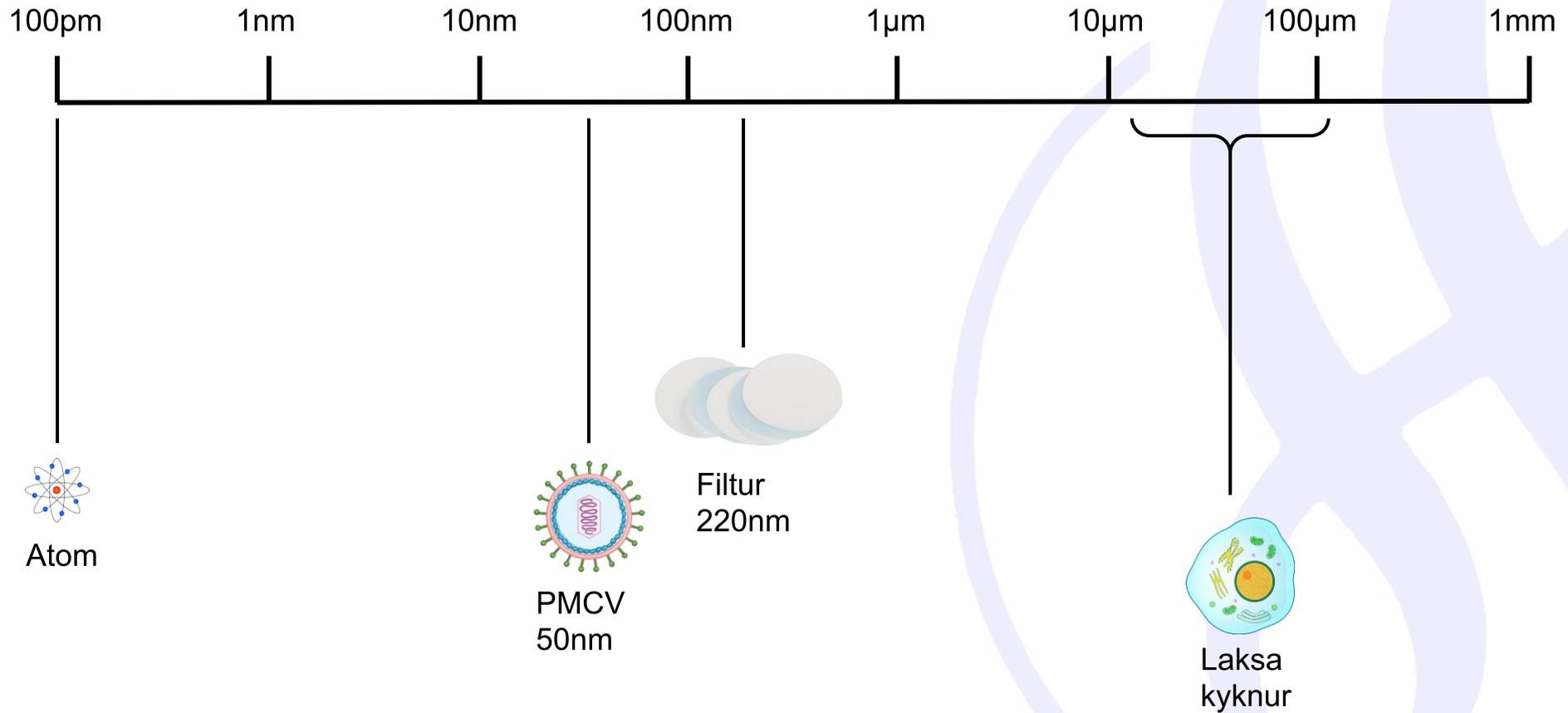
Bachelor verkætlan

- 4 PMCV positiv alibrúk
- 2 ringar per alibrúk (high og low)
- Síðulinjusvab av øllum fiskum

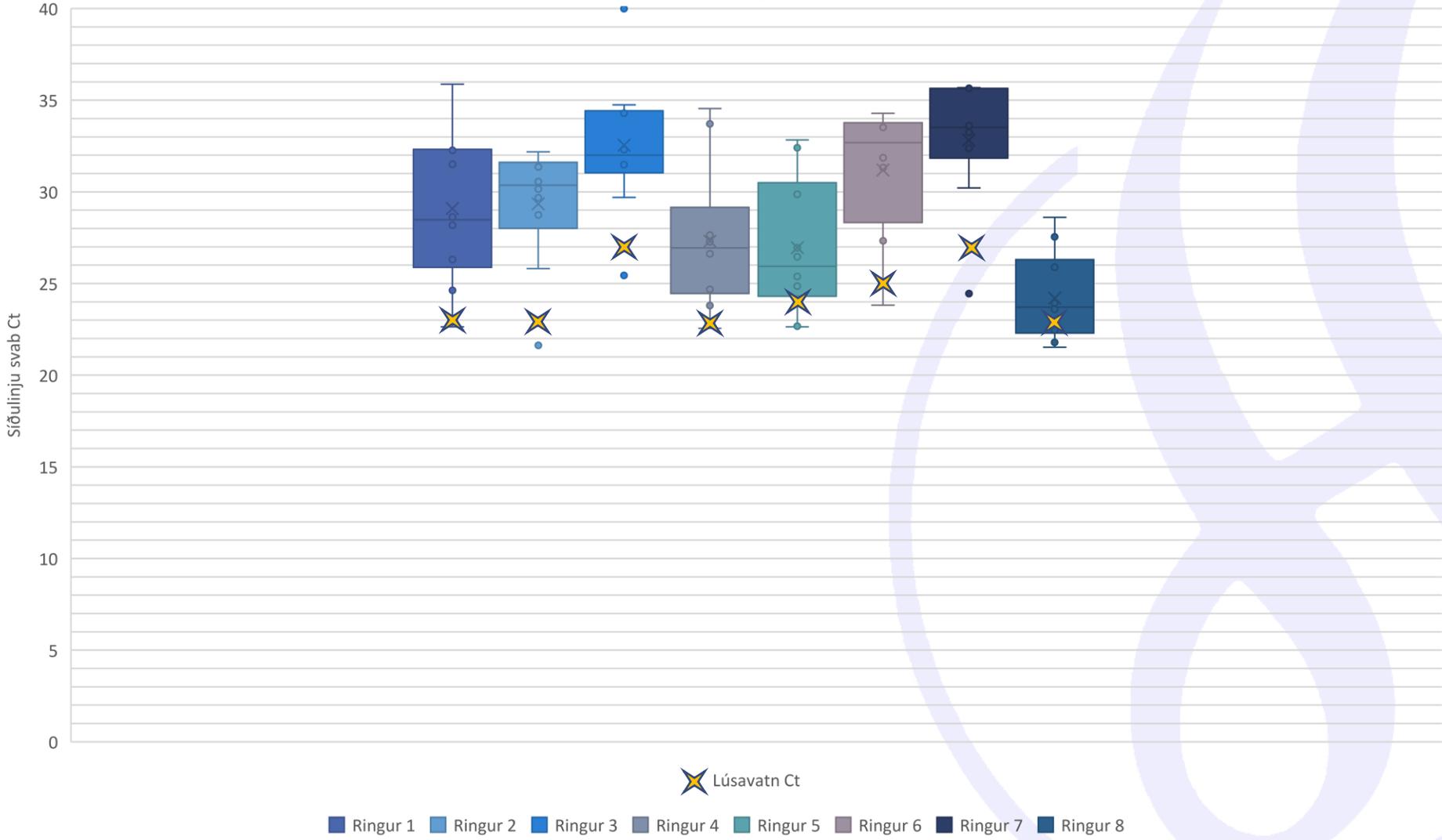
Filtrering



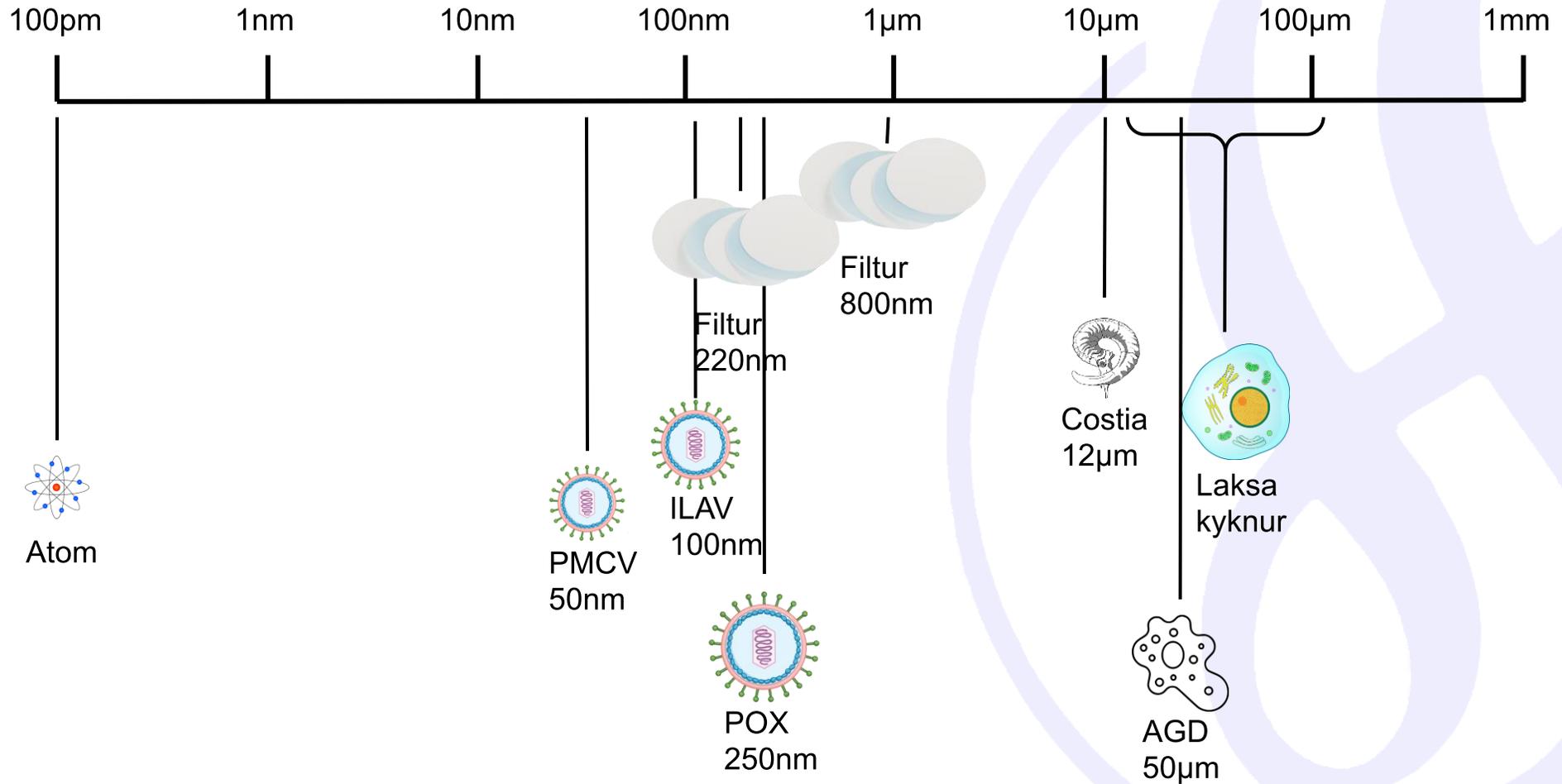
Poru stödd vs pathogen stödd



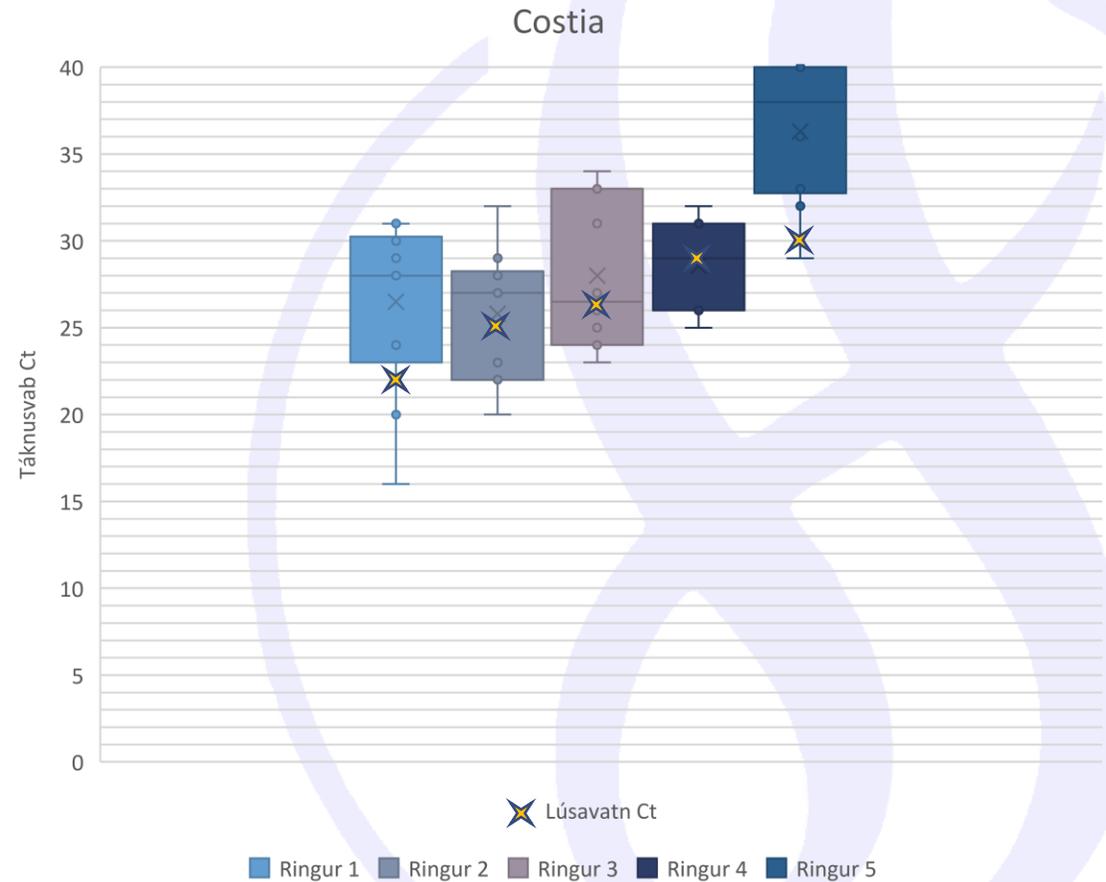
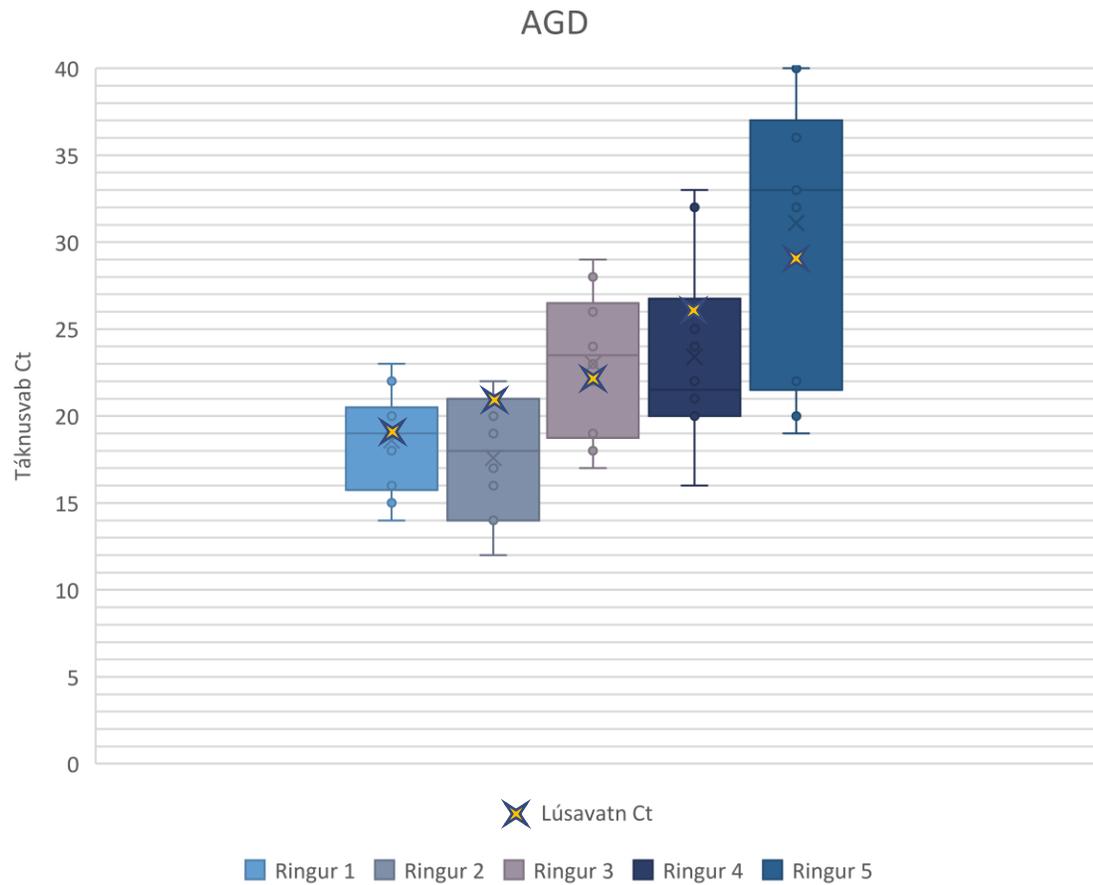
PMCV



Poru stödd vs pathogen stödd



AGD og Costia



Vatnsýni



- Non-lethal/invasive sampling
- Eitt sýni umboðar 10 fiskar
- Einföld sýnistøka
- Kann kannast fyri nógvar sjúkuagensar
 - DNA og RNA
- Møguliga early warning

Víðari gransking

- Filtur við smærri porum
- Lívförir/funktionellir virusar?
 - ILAV – segment 7 splicing
 - PMCV – smittuoynd í samstarv við DTU og vetinst.no
- Nýggj filter til at upp-konsentrera vatnsýni (upp til 100 litrar)

TAKK



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