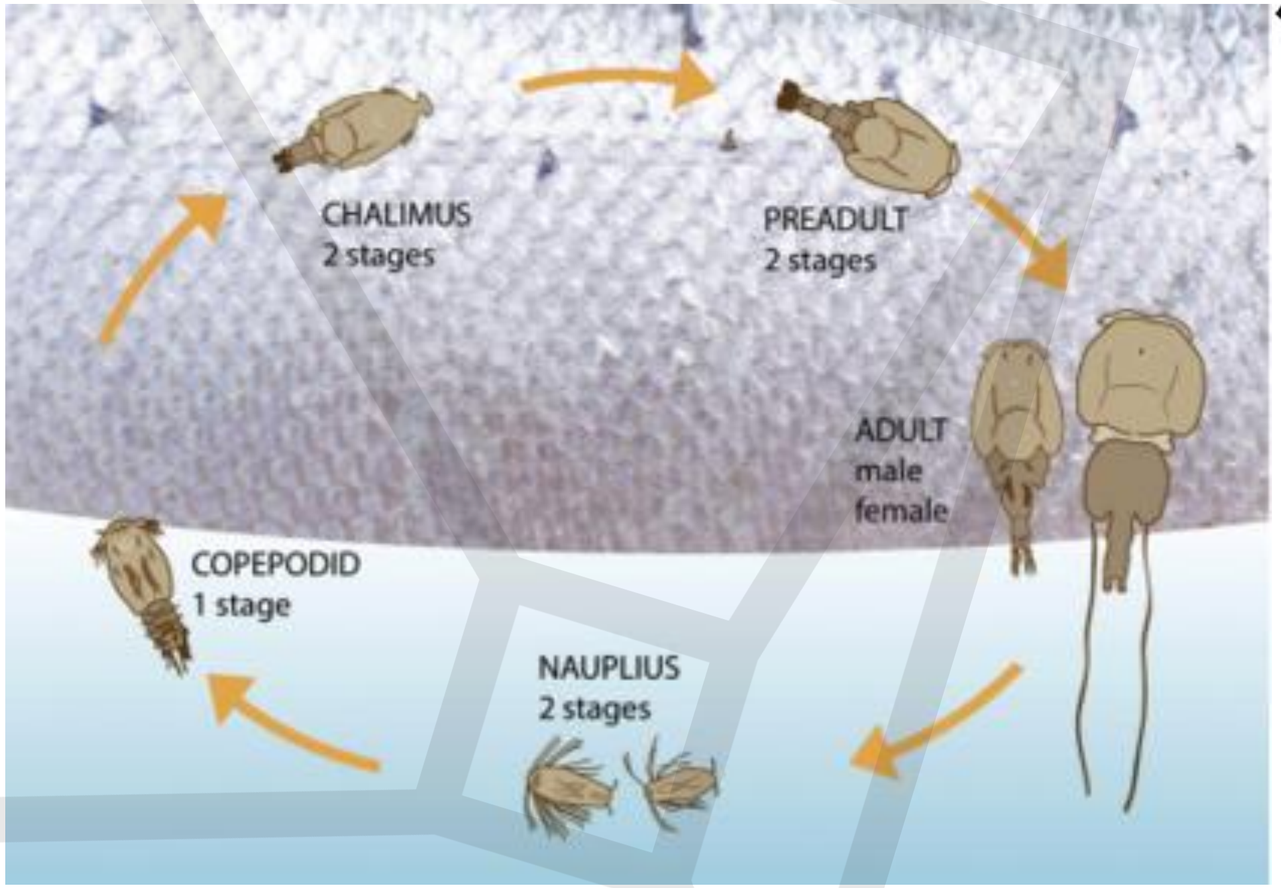
Hvussu vanligt er tað, at flytførar og vaksnar laksa- og seiðalús skifta vert?

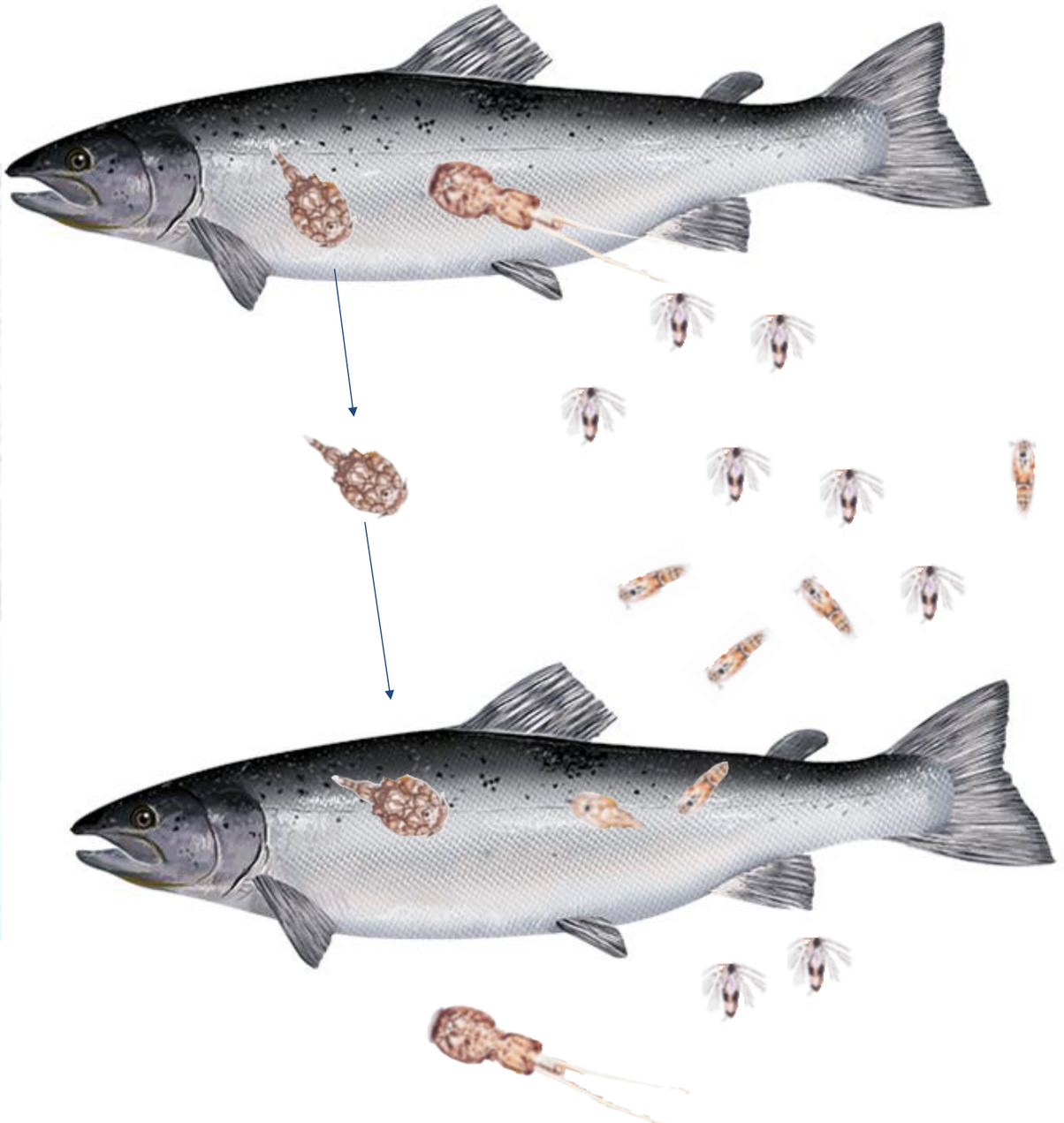
Gunnvør á Norði, Birgitta Andreasen, Tróndur Kragesteen, Signar P. Dam and Kirstin Eliasen, Lars Hamre

Vitan til varandi aling 31. oktober 2025

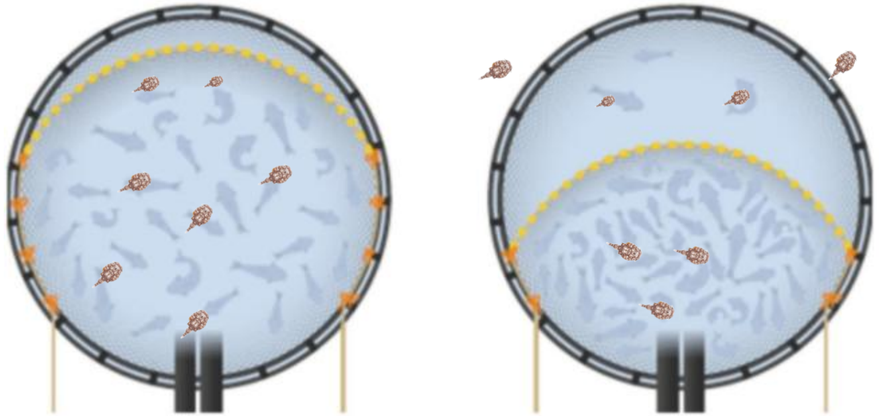
FISKERI- OG HAVBRUKSNÆRINGENS FORSKNINGSFINANSIERING

Smittuvegir



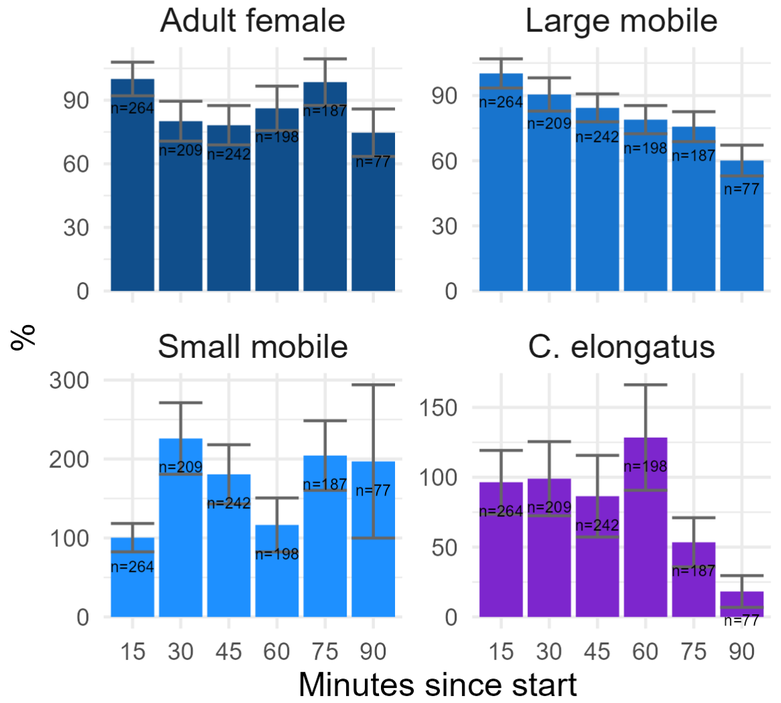


Hví er hetta áhugavert?



- Flytførar og vaksnar lýs detta av fiskinum tá ið hann verður trongdur áðrenn avlúsing

- Kunnu hesar smitta sama ella onnur alibrúk?



- 22% av stóru flytføru lýsnum detta av pr tíma
- Miðal fyri øll laksalúsa stadiini 10% pr tíma
- Seiðalýs 77% avdotnar eftir 1.5 tíma
- Onnur hava funni líknandi úrslit
  - Geitung et al. 2025 – 2 -40% av laksalýsnum
  - Guttu et al. 2024 20-30% av laksalýsnum

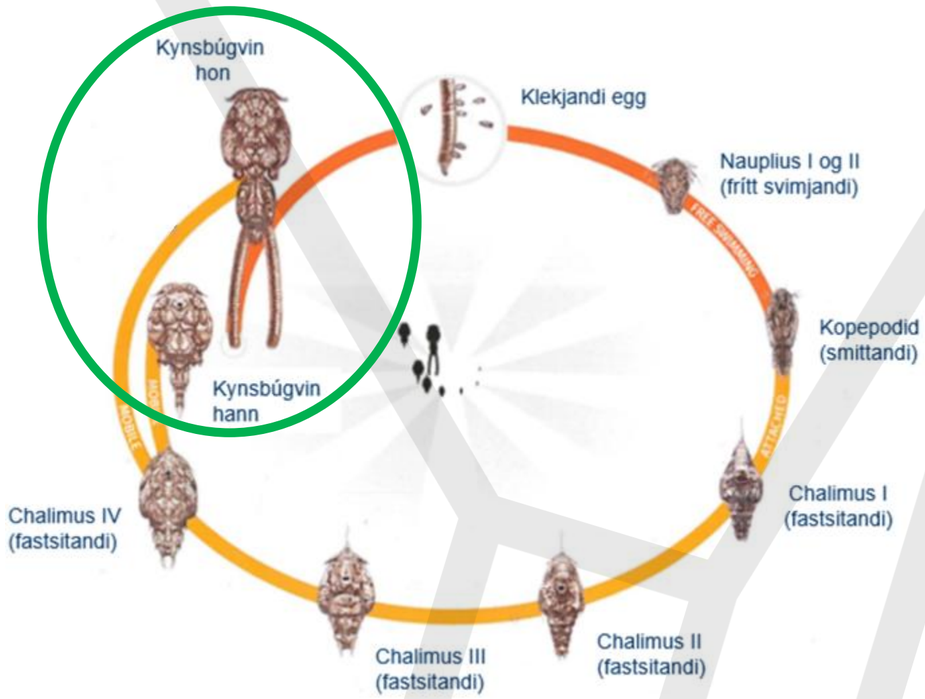
Kanna smittu millum ringar og millum alibrúk við at brúka lúsateljingardata

Data frá 1492 aliringum sum eru settir út frá 2016-2024

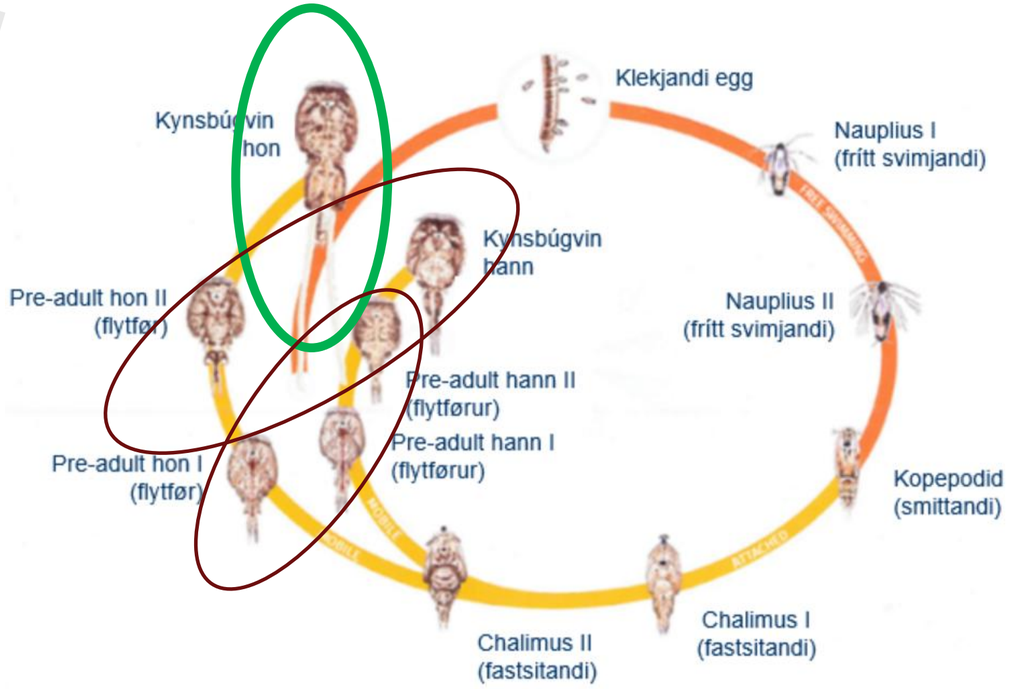
- Lúsateljingar í øllum ringum aðru hvørja viku
  - 2016 -2020: 10 fiskar pr ring
  - 2021-2024 20 fiskar pr ring
- HFS databasin
  - Lúsateljingar, hiti og nær fiskurin er settur út

Lúsateljingar-Bólkar

Seiðalús

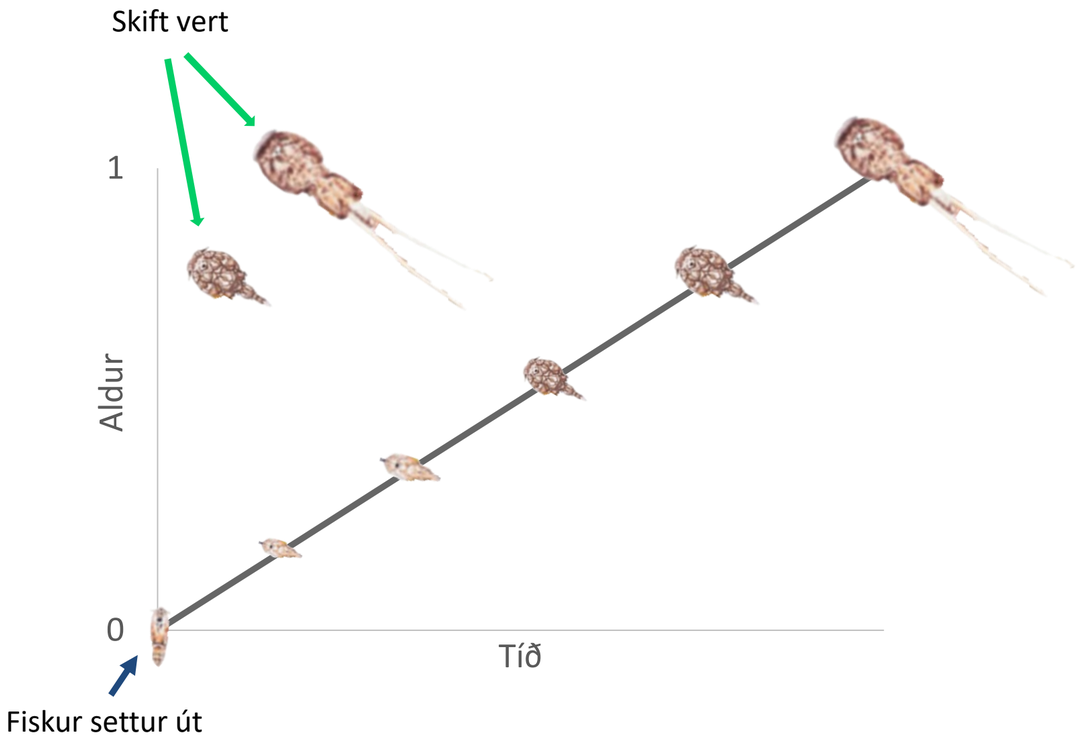


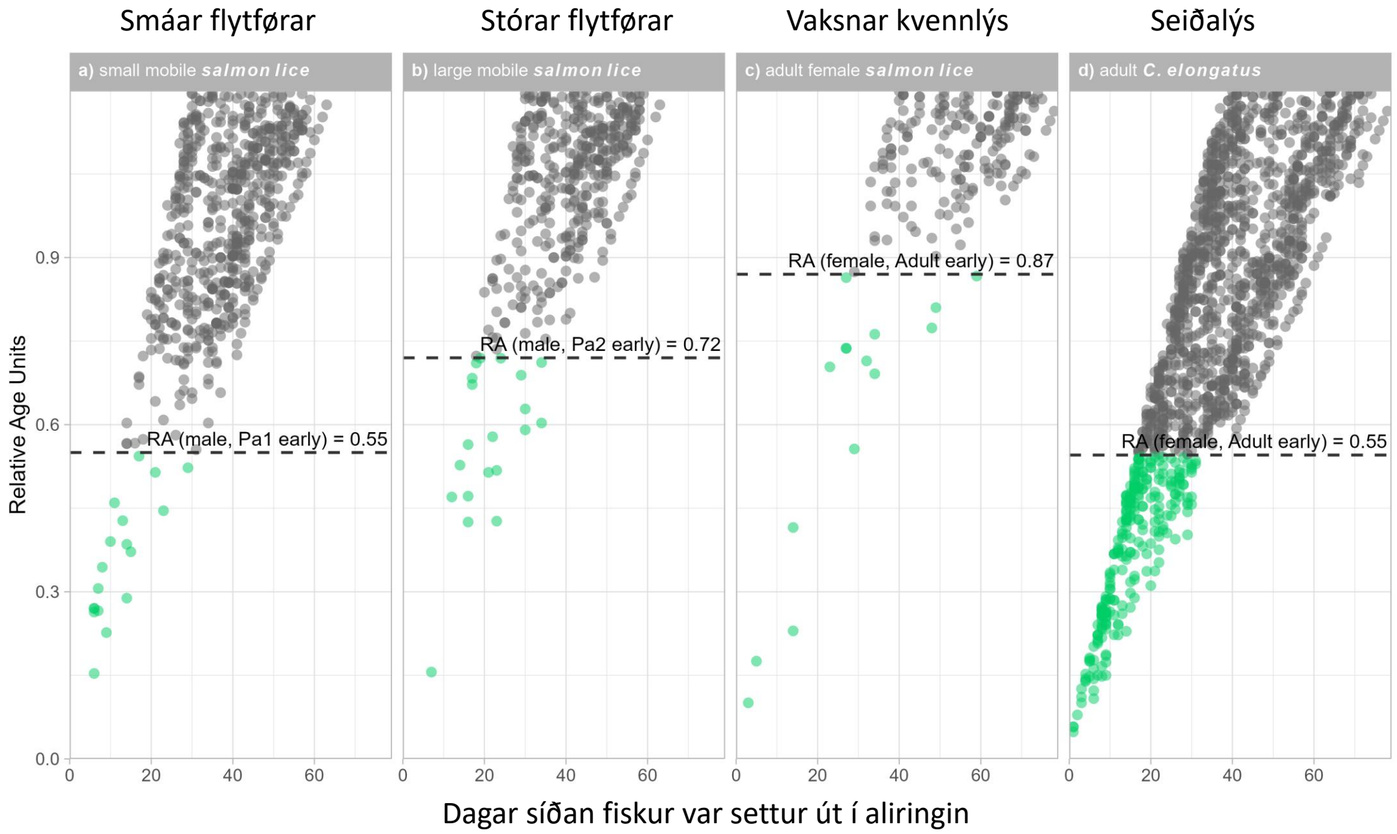
Laksalús



Fastar laksalýs og seiðalýs í sama bólki.

Mannagongd



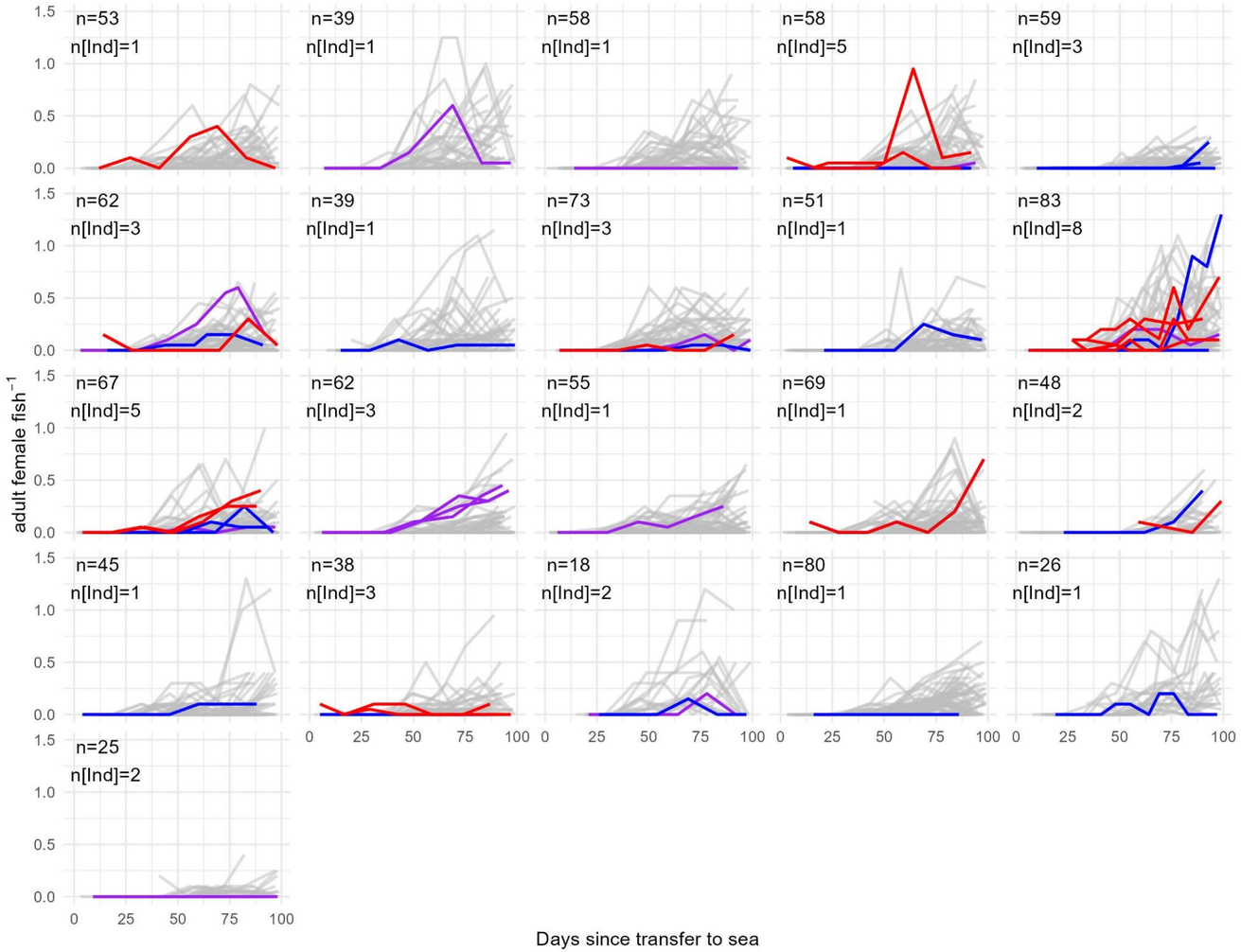


Menningartíðin er tengd at hitanum í sjónum. Rokna út frá kanningum hjá Hamre et al 2019 og 2024

Um vit síggja flytførar ella vaksnar lýs á fiskinum áðrenn tær kunnu hava útvikla seg frá einum copepoditti, ganga vit út frá at hesar lýsnar hava skift vert

Laksalýs sum skifta vert

Tal av aliringum	Vaksnar kvennlýs	Stórar flytførar	Smáar flytførar
13	1		
1	3		
1	1	7	
18		1	
1		1	2
14			1
1			2
1			3
Tilsamans 49	Tilsamans 17	Tilsamans 26	Tilsamans 21
Samlað tal av ringum 1492			



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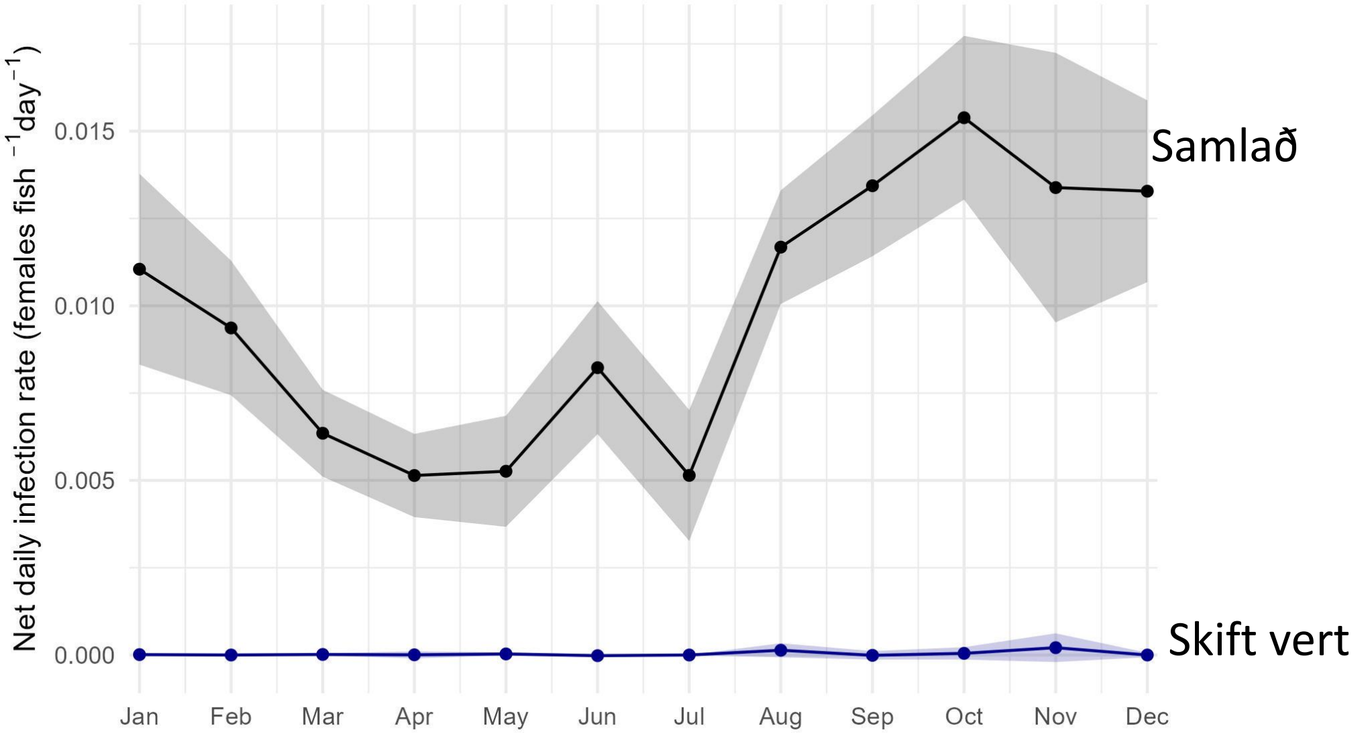
Laksalýs - Lúsatrýst vaksnar kvennlýs

- Fylgja við broytingini í tal av vaksnum kvennlýs
- Hædd er tikin fyri avlúsingum
- Lúsatrýst í miðal
  - 0.01 vaksin kvennlús fisk^{-1} dag^{-1}
- Av hesum eru 0.3% lús sum hava skift vert



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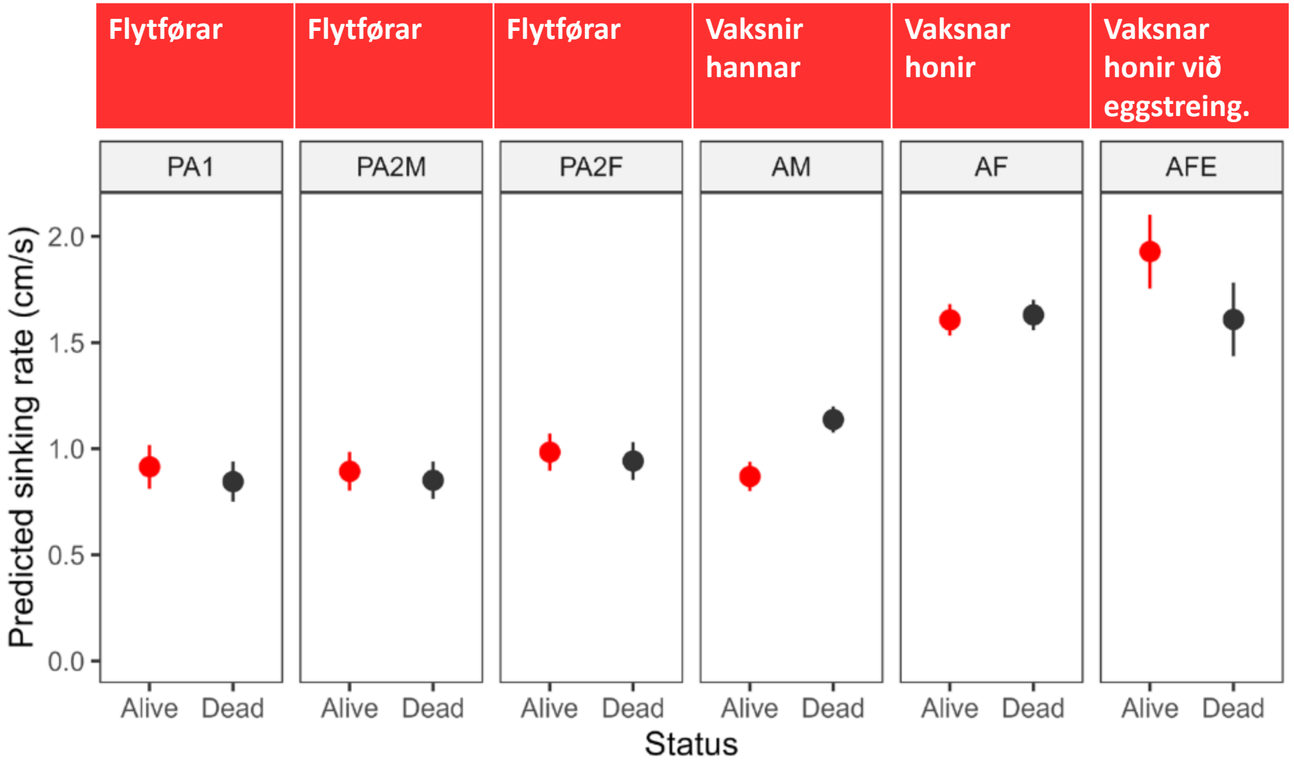
Flytførar og vaksnar laksalýs vánaligir svimjarar



Behaviour and Dispersal of Mobile Salmon Lice When Detached From the Host

Luke T. Barrett, Mari F. Jensen, Sussie Dalvin, Frode Oppedal

First published: 10 May 2025 | https://doi.org/10.1111/jfd.14143 | Citations: 1

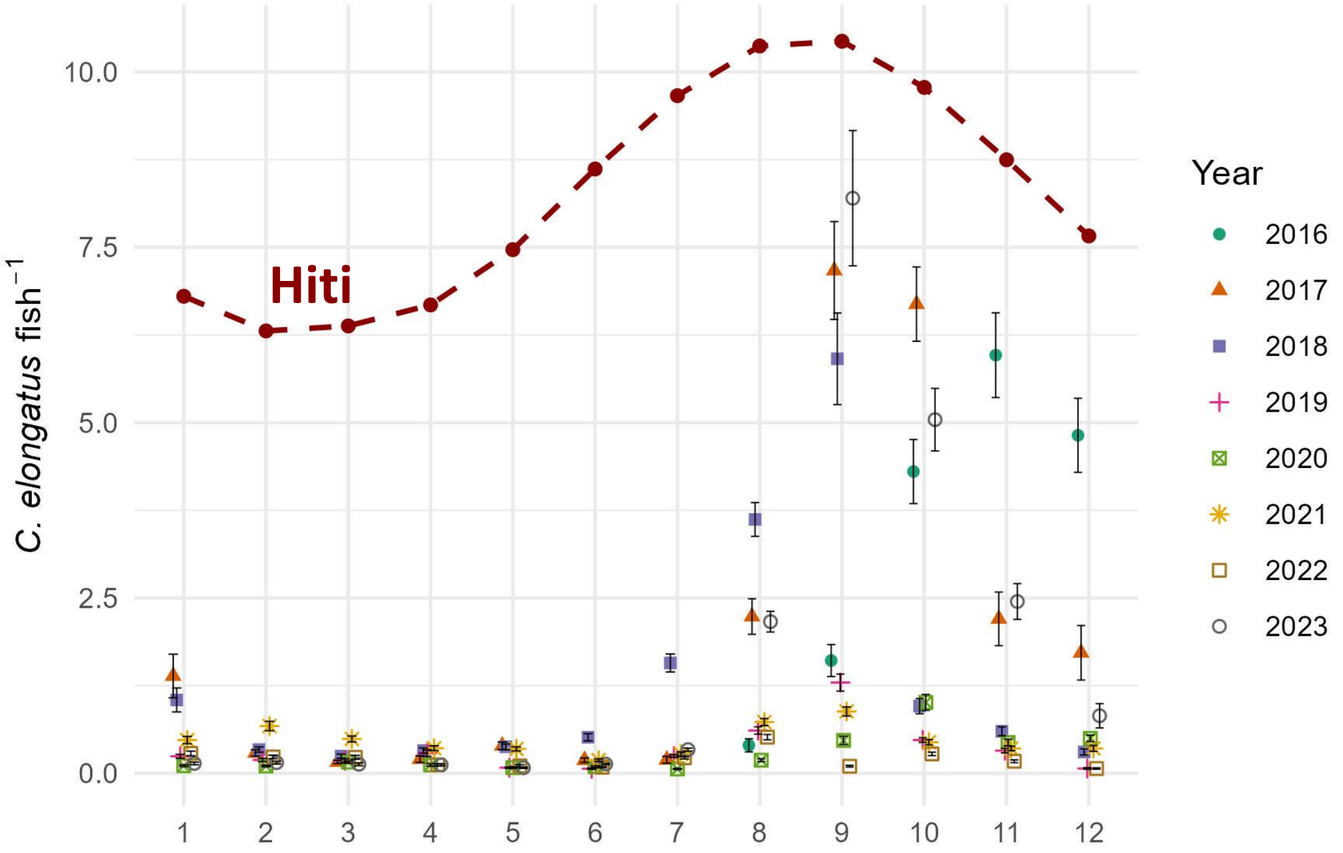
Using sentinel cages to estimate infestation pressure on salmonids from sea lice in Loch Shieldaig, Scotland

Campbell C. Pert, Rob J. Fryer, Paul Cook, Rachel Kilburn, Sonia McBeath, Alastair McBeath, Iveta Matejusova, Katy Urquhart, Sarah J. Weir, Una McCarthy ???, Catherine Collins, Trish Amundrud, Ian R. Bricknell

> The larval copepodid and early chalimus stages were most abundant (Fig. 2), with only 12 pre-adults and 12 adults recorded, which represents ~0.5% of the infestive lice found during the study.

Sentinel cages in a Scottish loch: mobile lice accounted for 0.5% of the total infection pressure

Seiðalús árstíðarvariation



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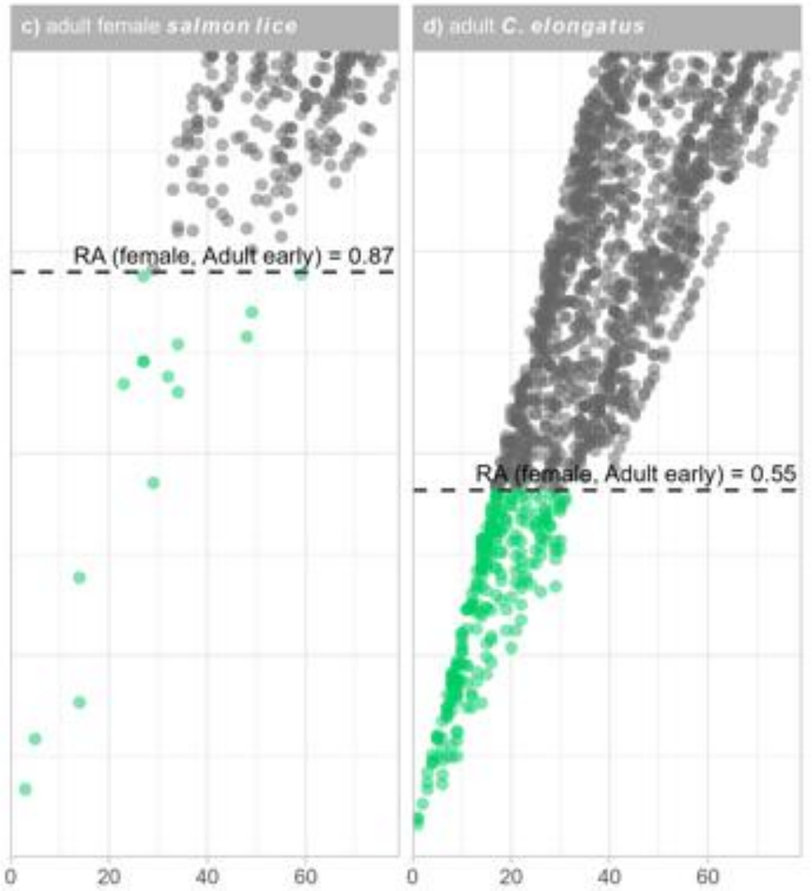
Seiðalús

- Seiðalús ein tann mest vanliga lúsin í Norður Atlantshavinum
- Finst á meira enn 80 fiskasløgum
- Vaksnar seiðalús góðir svimjarar
- Vanligt at finna tær í planktonprøvum
- Yvirliva uttan vert í meira enn 2 vikur

Laksalýs
Vaksnar kvennlýs

Vaksnar seiðalýs



Dagar síðan fiskur var settur út í aliringin

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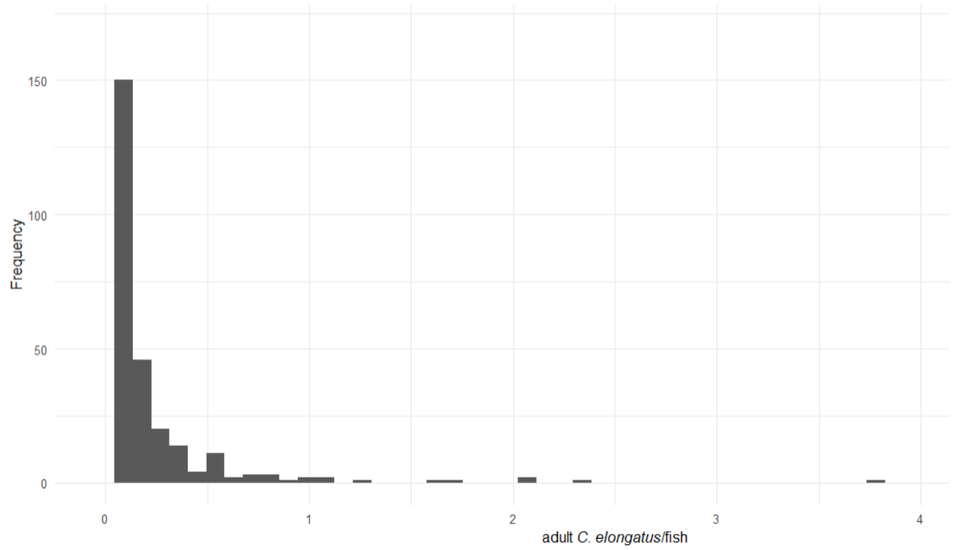
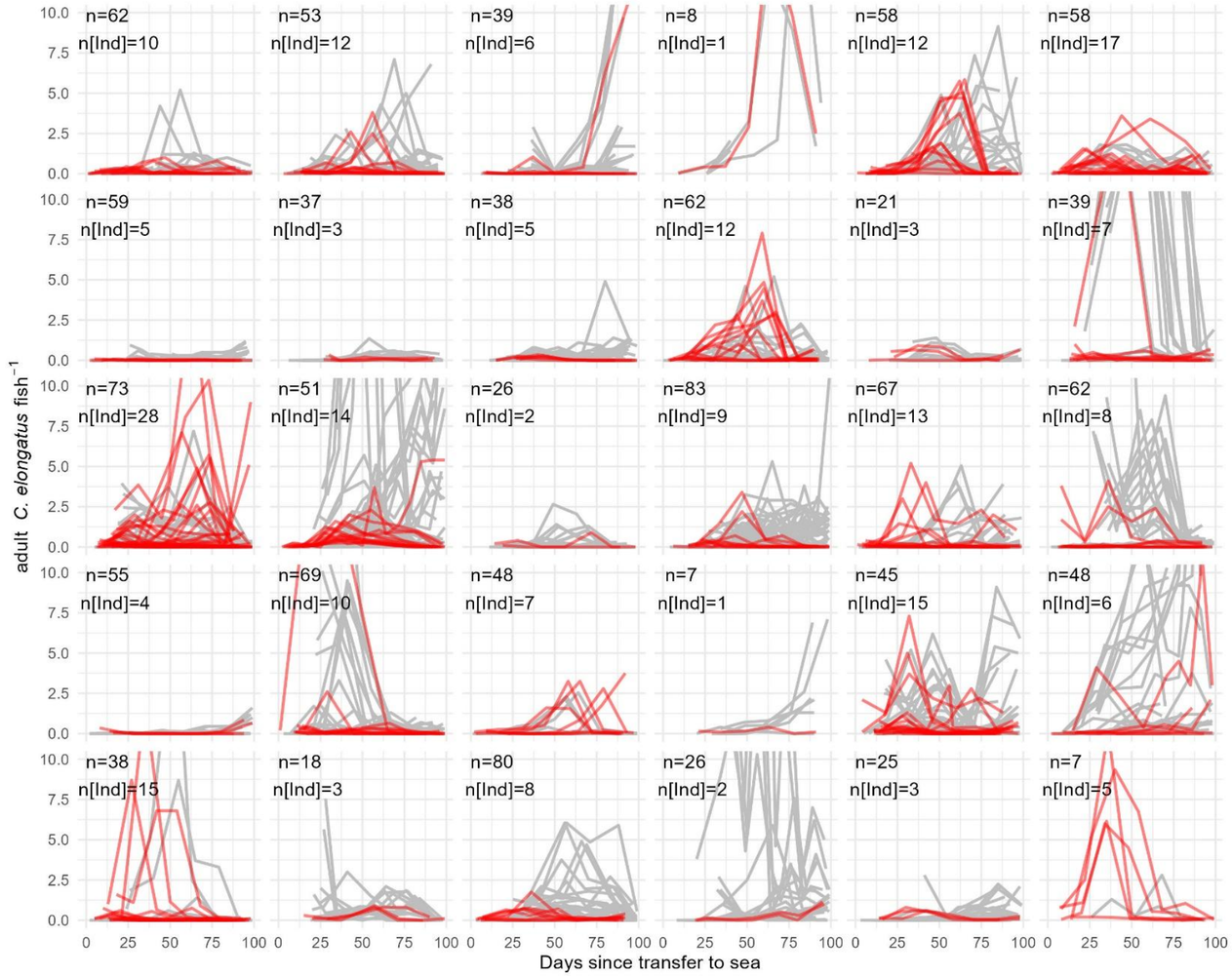
Seiðalús sum skifta vert

- Stór variatión í tali av lús sum skifta vert
- Miðal 0.3 vaksnar seiðalýs/fisk
- Met 27 vaksnar seiðalýs/fisk
- Ávirkanin á lúsatrýstið varierandi





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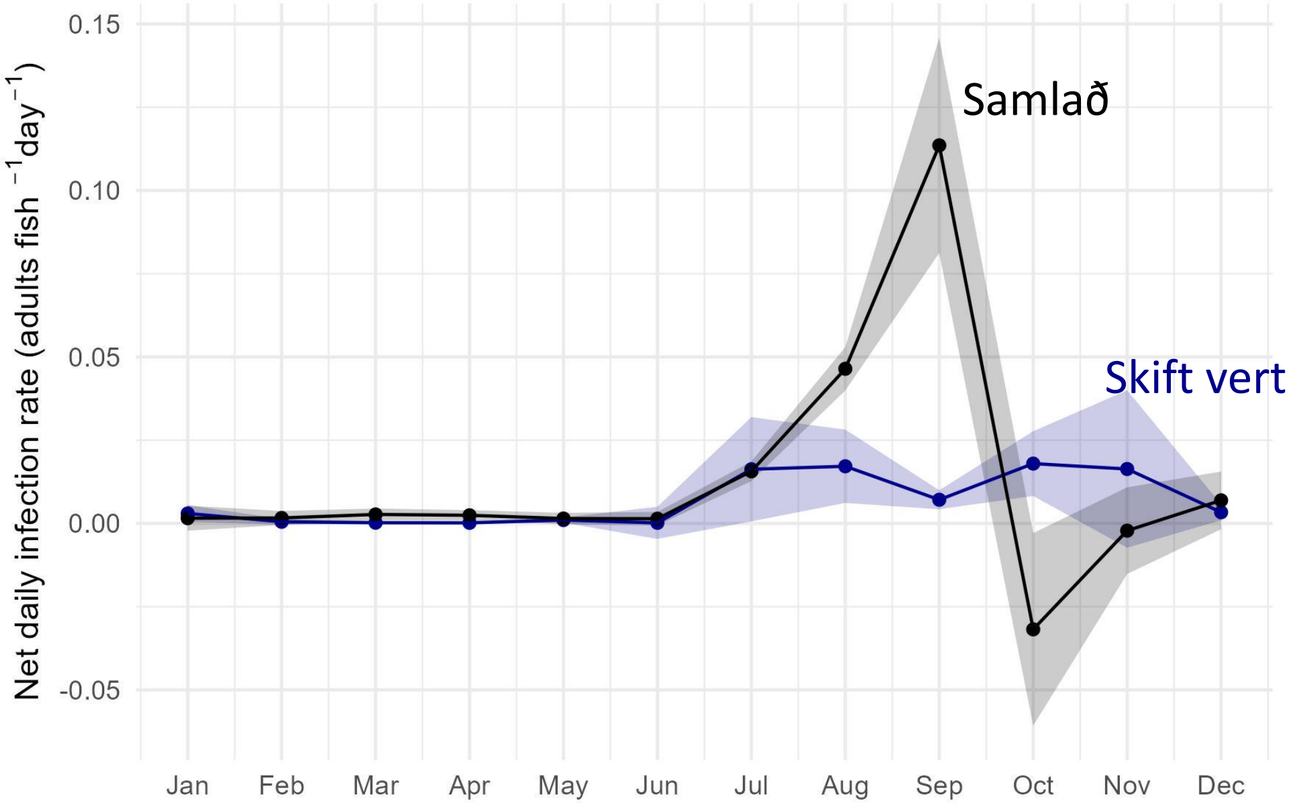
Lúsatrýst –vaksnar seiðalýs

- Lágt frá januar til juni
- Lúsatrýstið økist við at vaksnar seiðalýs skifta vert í juli
- Økist í august til september
- Líkt til at lýsnar fara av fiskinum í oktober
- Miðla lúsatrýst
  - 0.014 vaksnar seiðalýs fisk^{-1} dag^{-1}
- Í miðal er 44% av lúsasmittuni frá vaksnum lýs sum skifta vert



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Samanumtøka

- Sera óvanligt at vaksnar laksalýs smitta millum ringar og alibrúk
- Vaksnar seiðalýs sum skifta vert standa fyri 44% av samlaða smittutrýstinum
- Smittan við seiðalús byrjar við at vaksnar seiðalýs skifta vert
- Sær út til at seiðalús velur at sleppa alifiskinum út á heystið

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