

Vevs-tropisme, infeksjonsforløp og smittevindu til *Parvicapsula pseudobranchicola* i laks

FHF-prosjekt # 900896

Parvicapsula pseudobranchicola; -Øke kunnskap og redusere tap

Øyvind Brevik – Cermaq Group

Parvicapsula pseudobranchicola;

-Øke kunnskap og redusere tap (FHF#900896)



Egil Karlsbakk



God sjømat - lett å lage

Eirik Monsen



Haakon Hansen



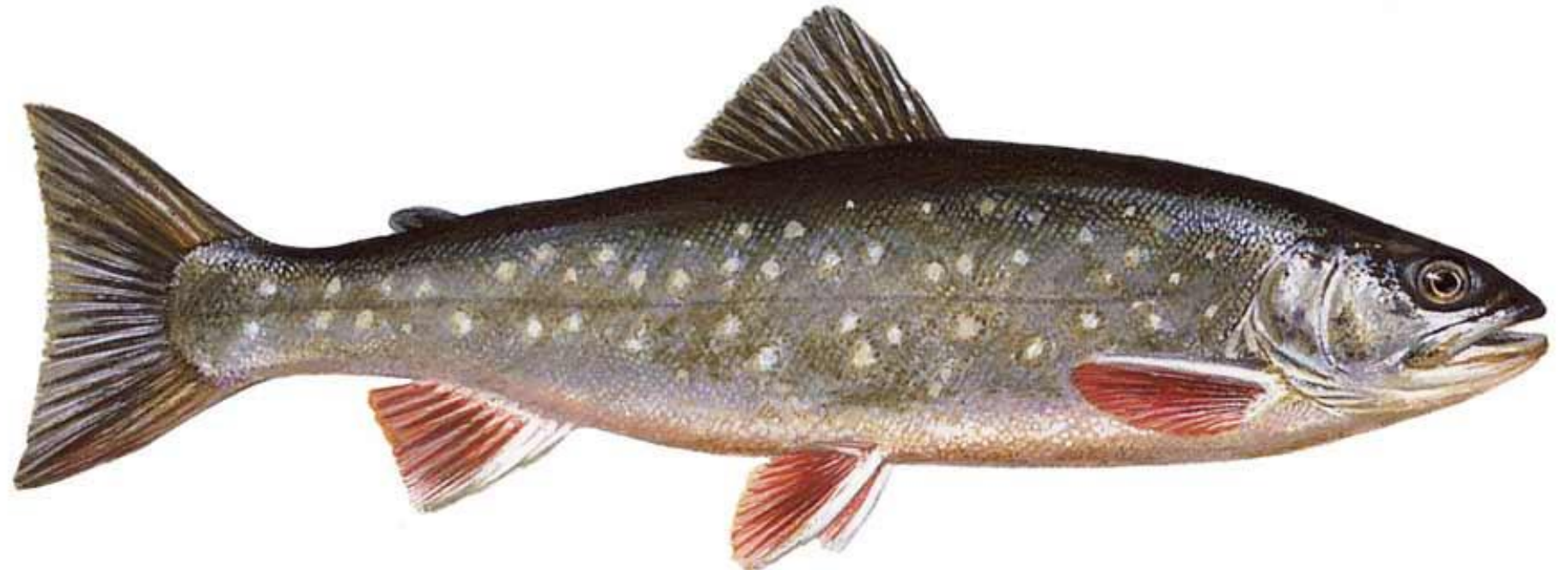
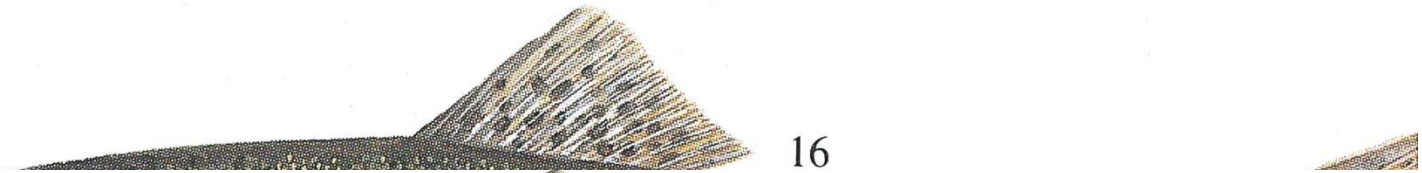
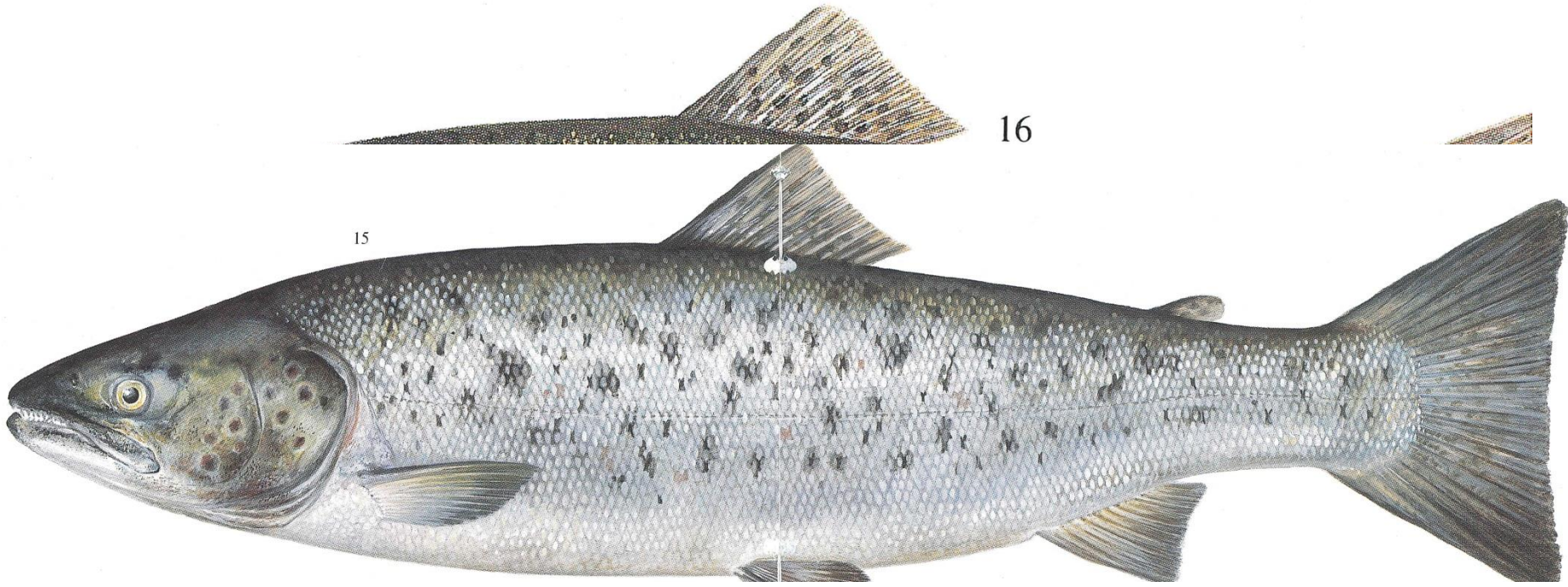
Berit Seljestokken



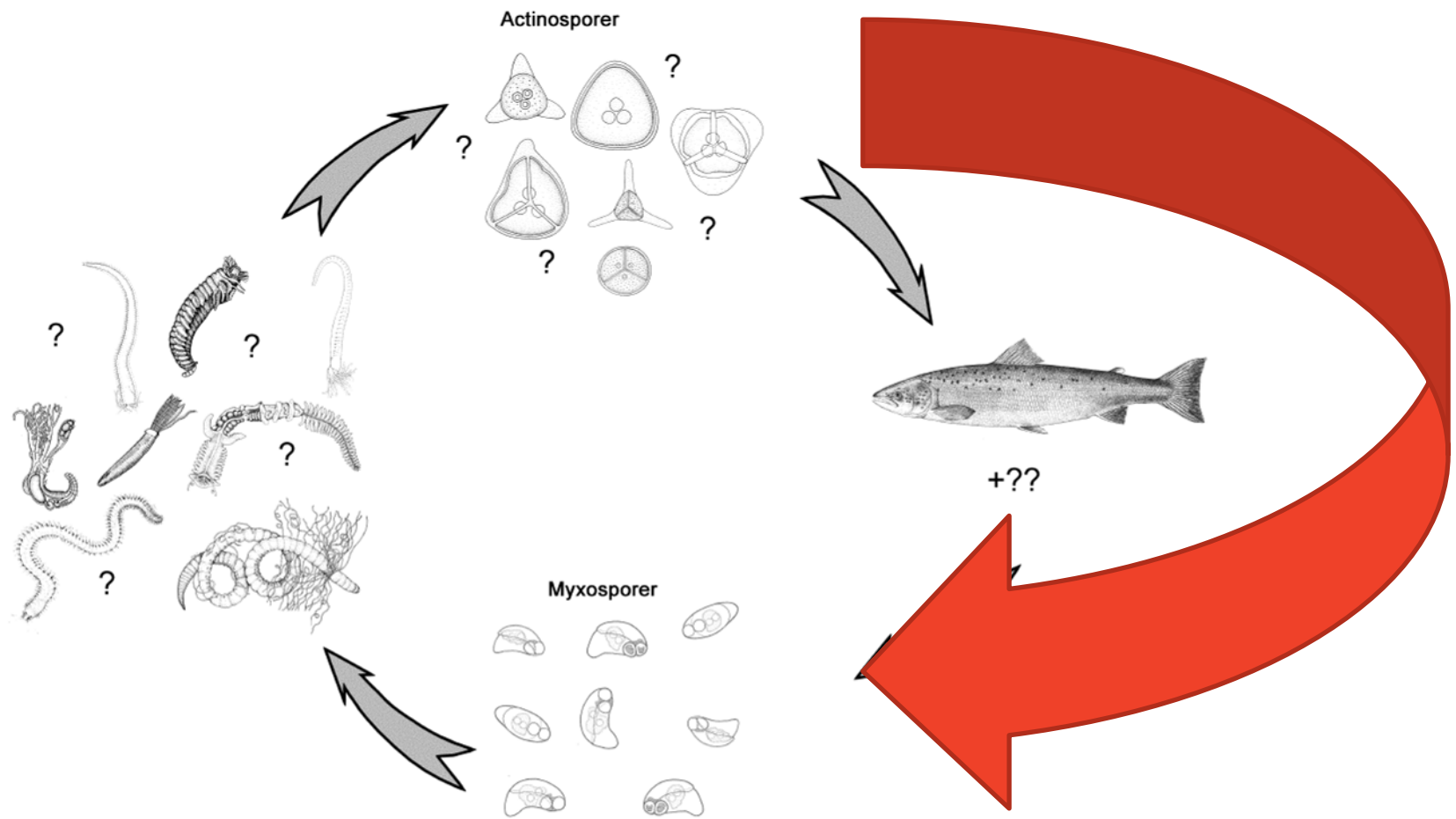
Are Nylund



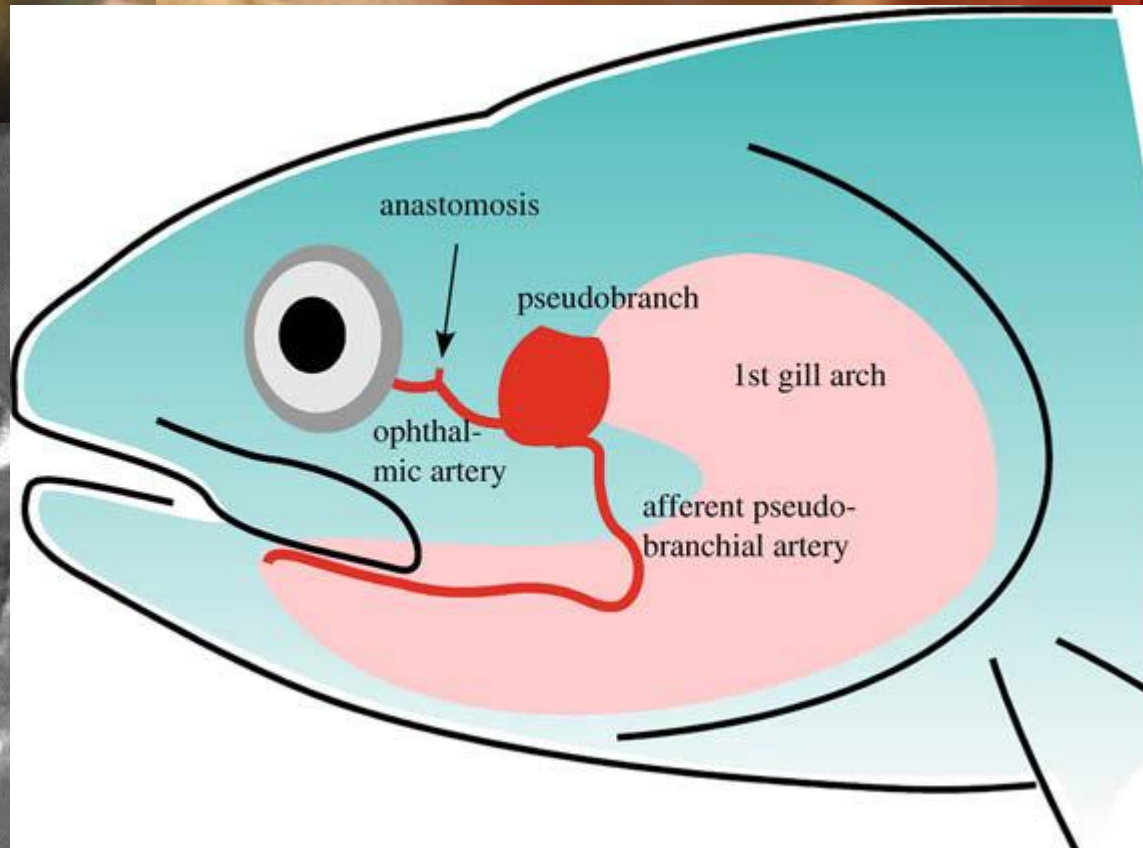
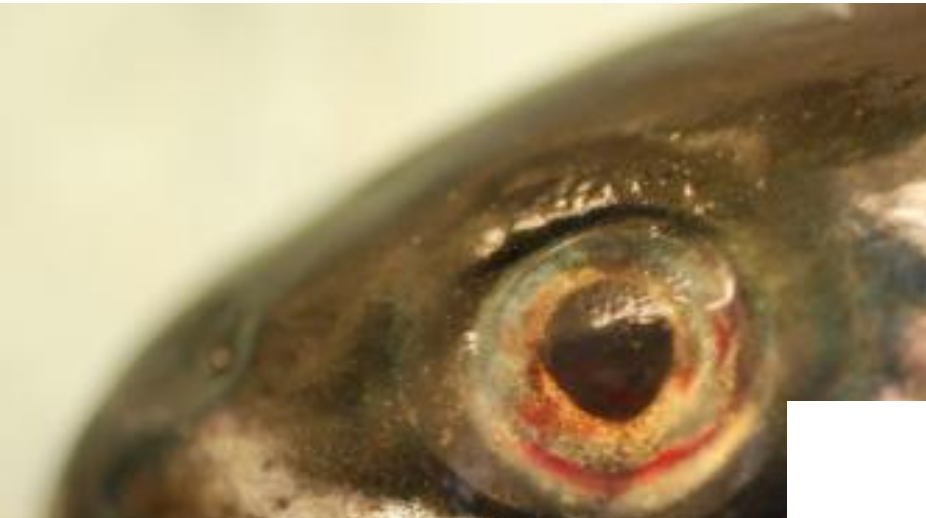
Øyvind Brevik



Livssyklus



Parvicapsulose

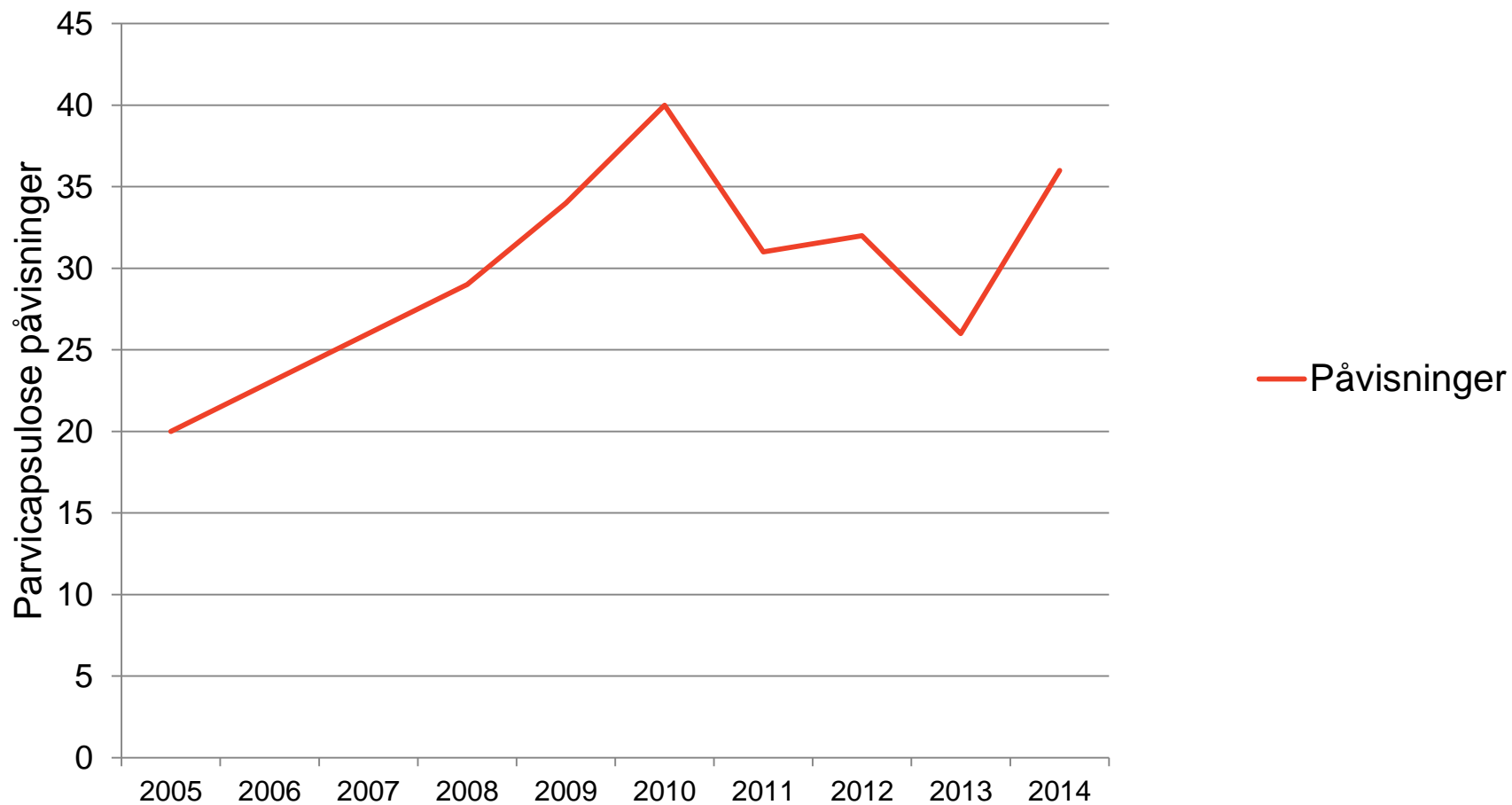


Problemområder

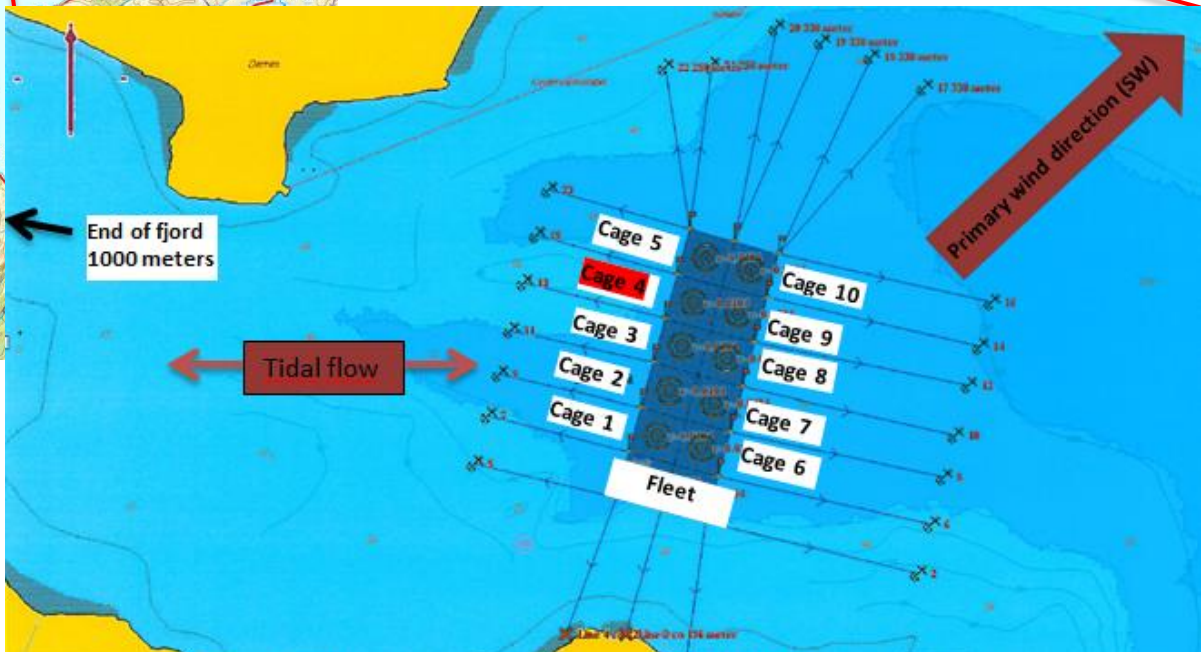
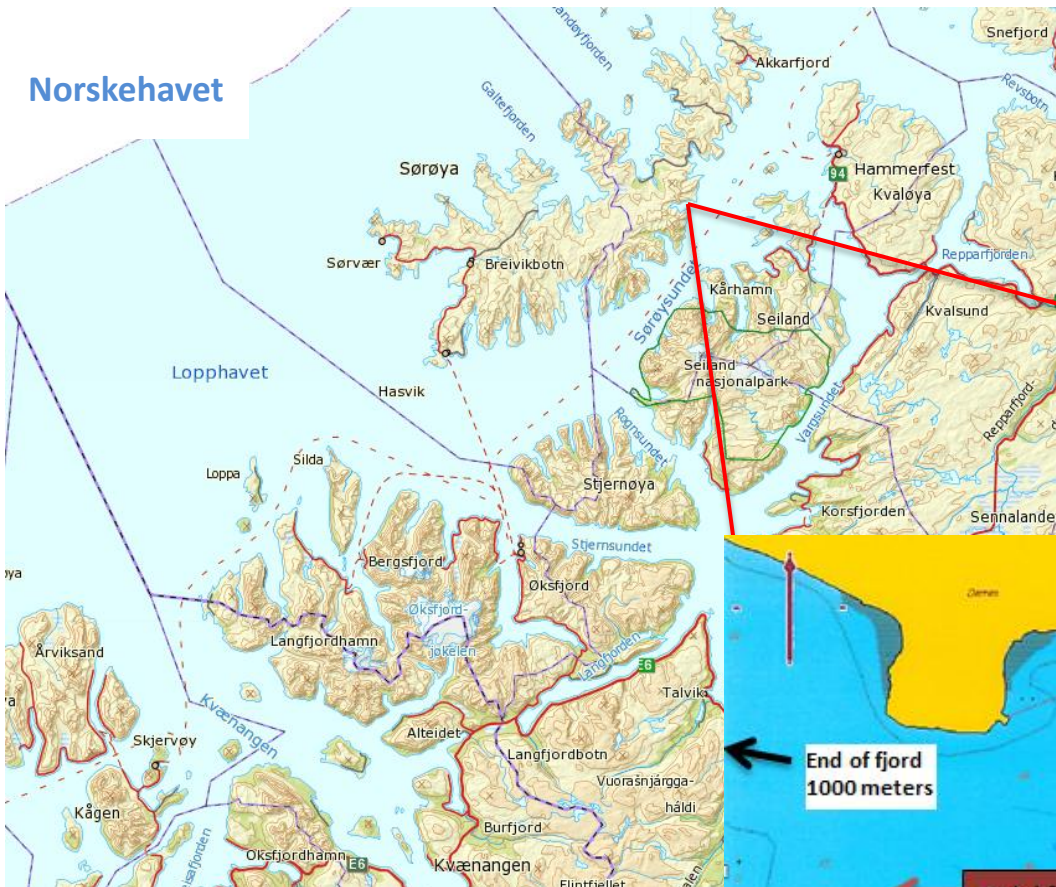
- Finnmark
- Troms
- Vesterålen
- Påvisninger
 - Frøya/Hitra
 - Vestlandet



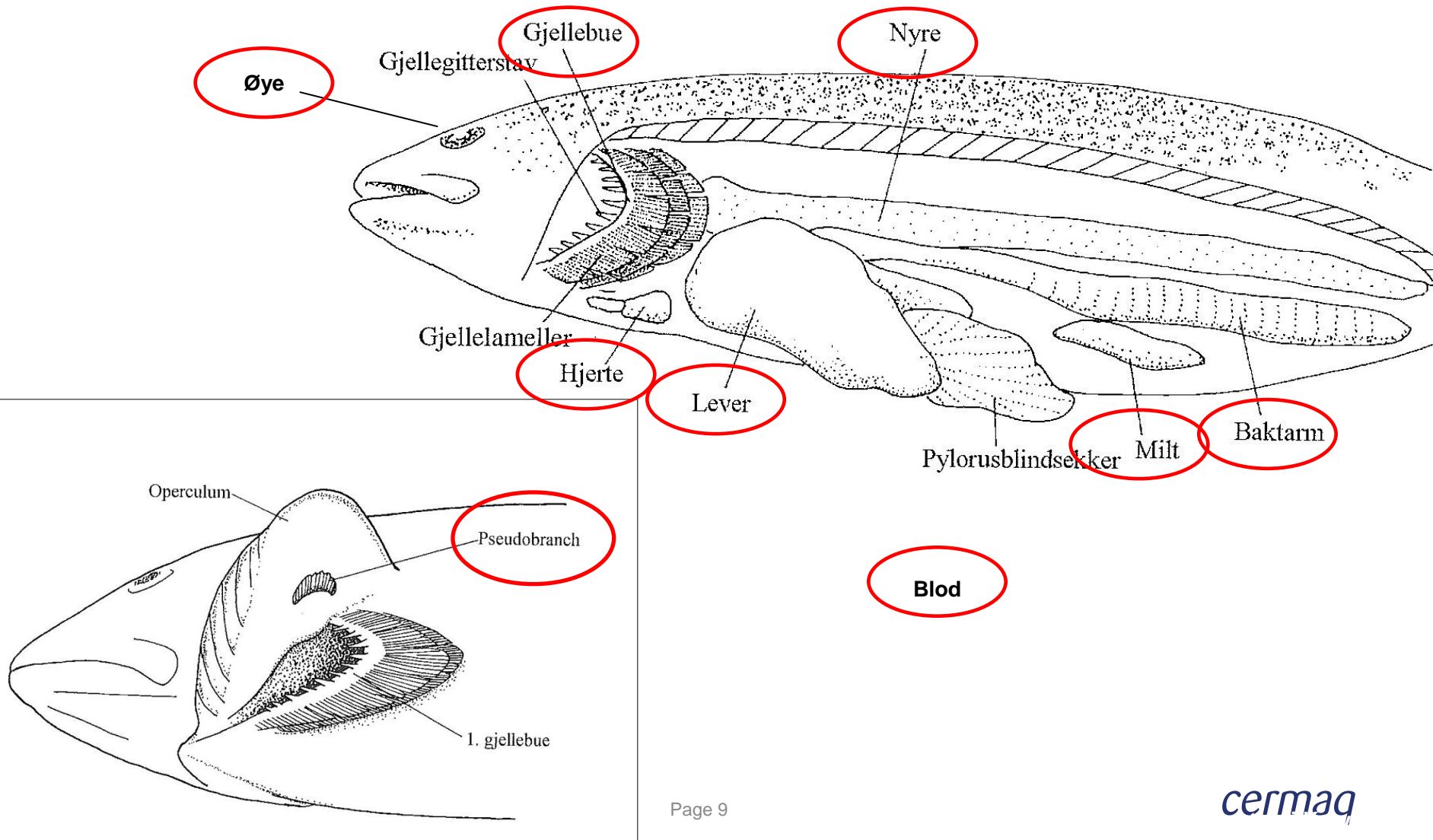
Parvicapsulose påvisninger hos VI siste 10 år



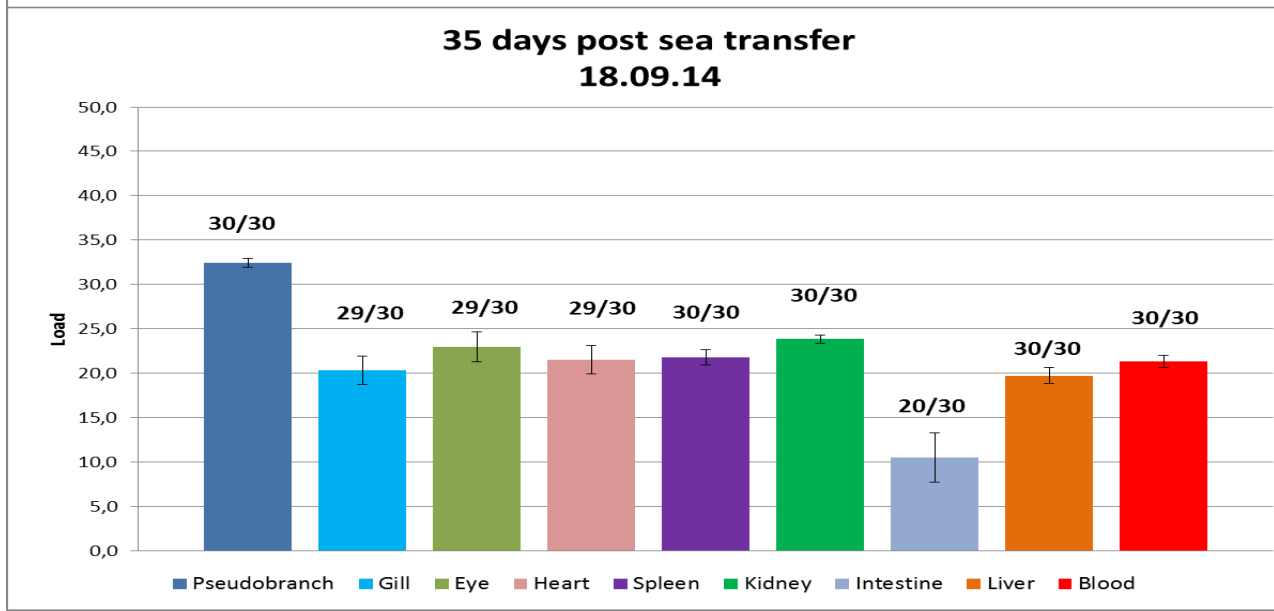
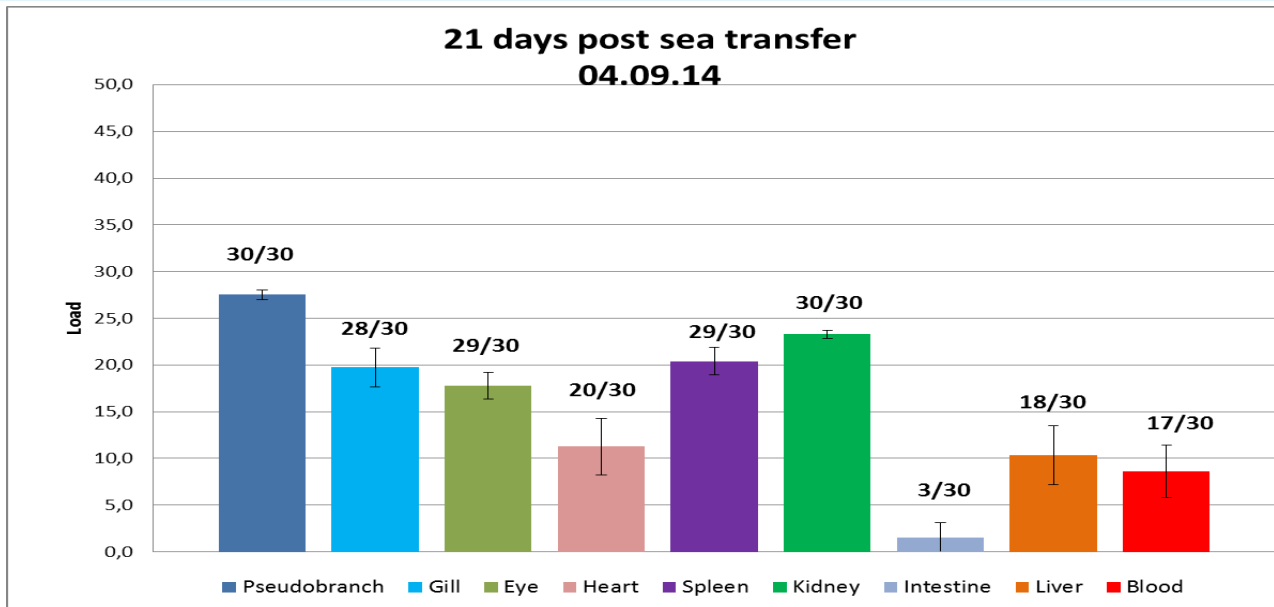
Feltstudie



Vevstropisme

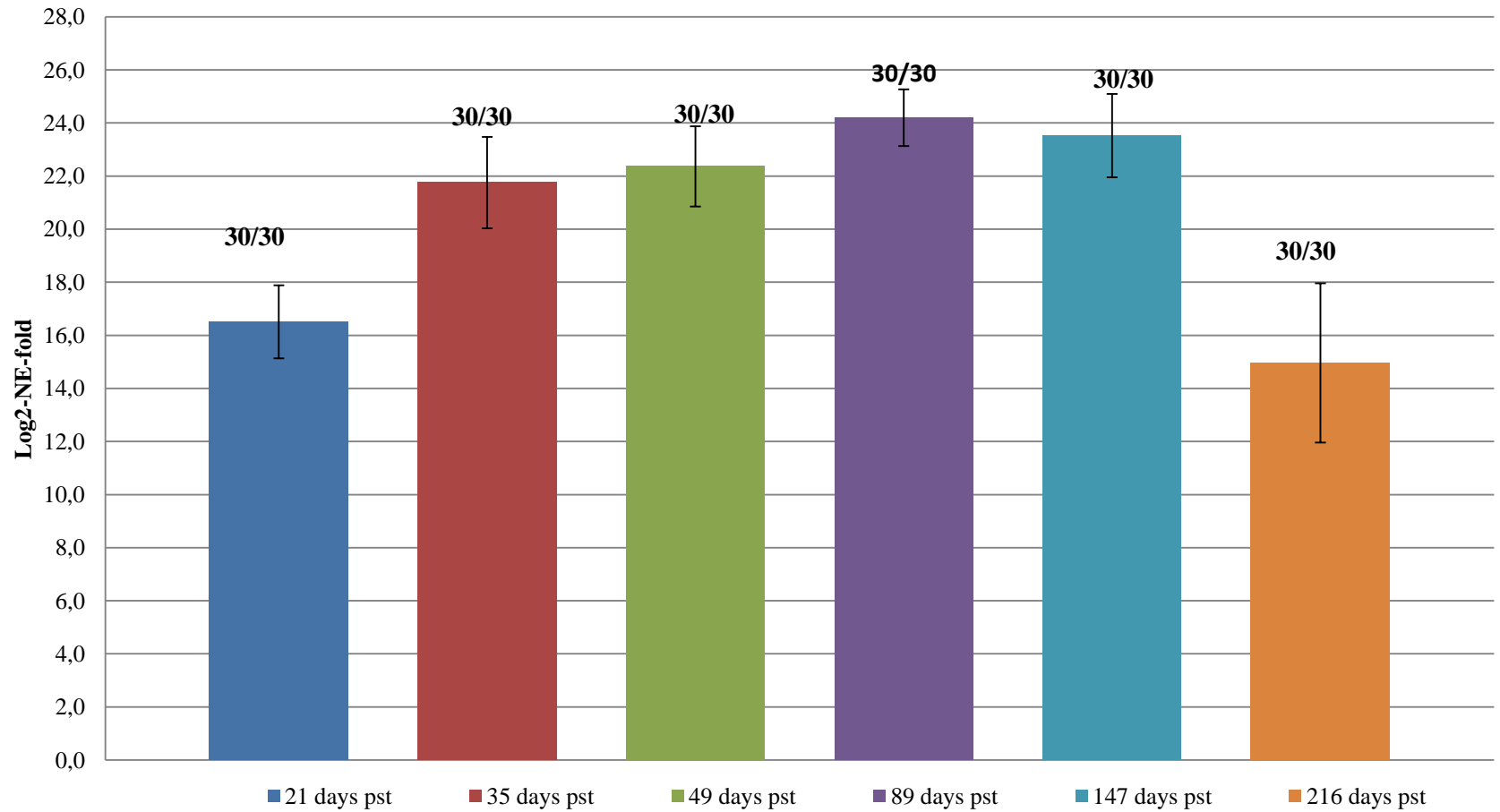


Vevstropisme og prevalens



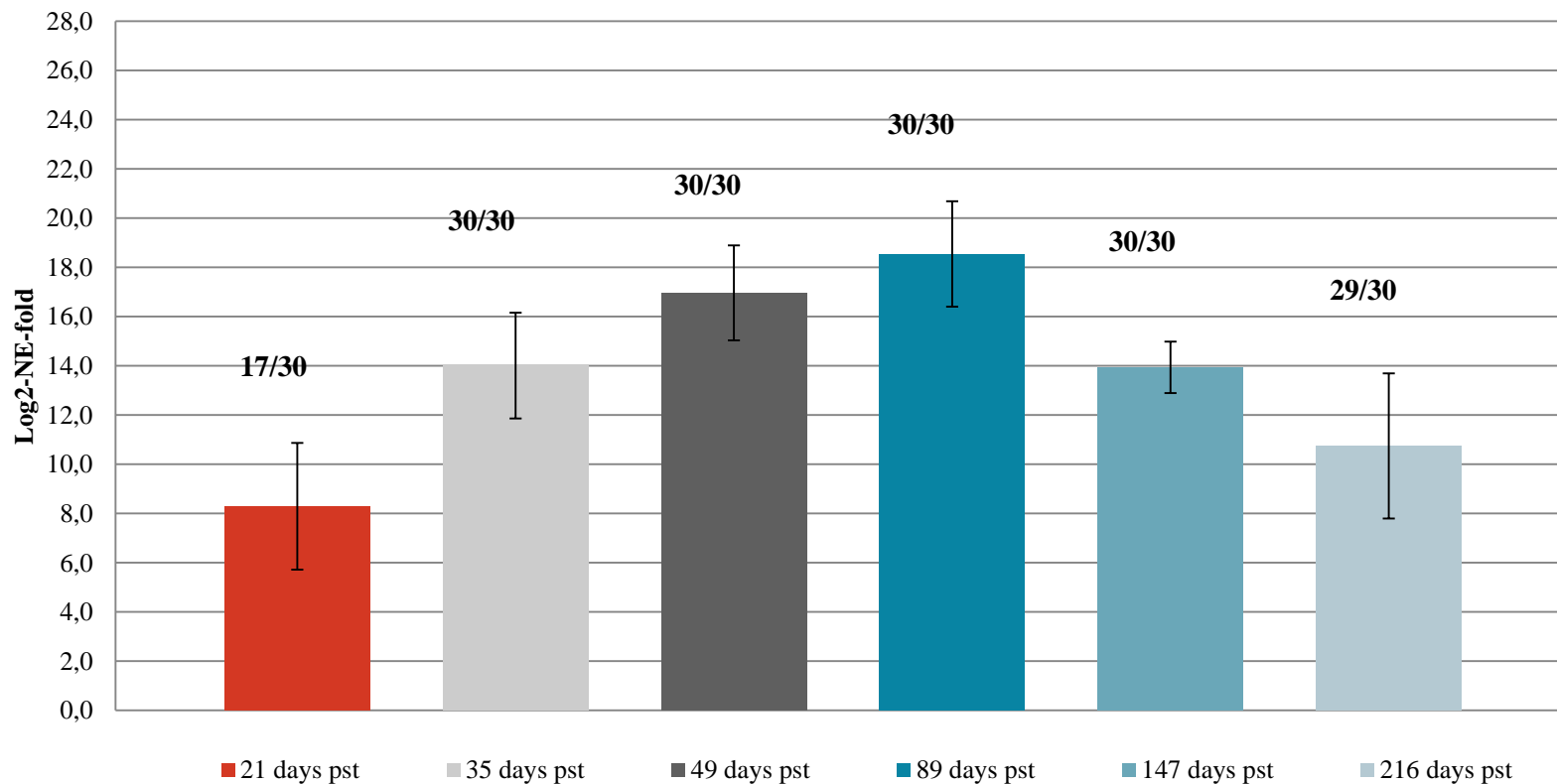
Prevalens og infeksjons intensitet i pseudobranch

Density and prevalence of *P. pseudobranchicola* in pseudobranch



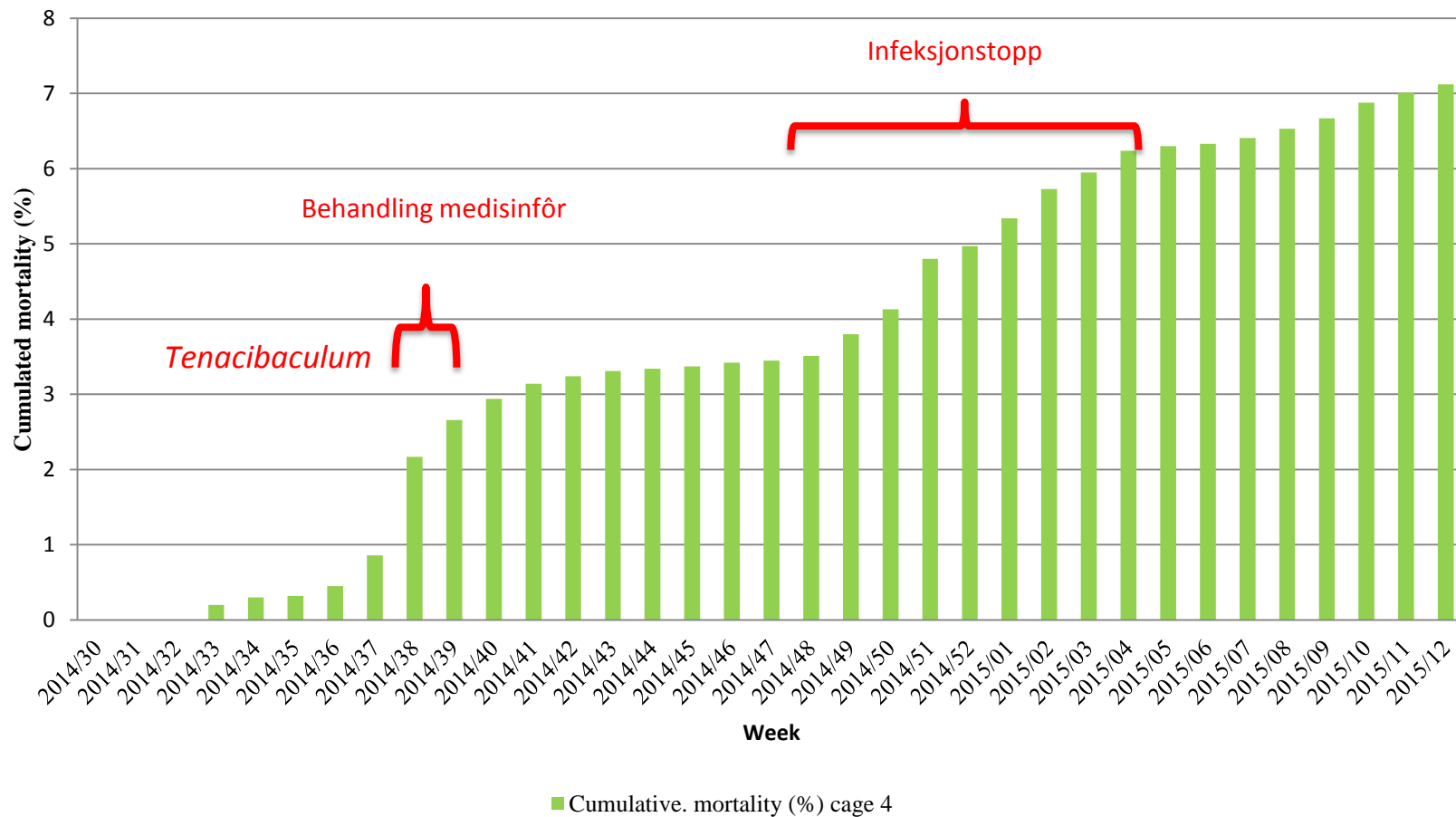
Prevalens og infeksjons intensitet i blod

Density and prevalence of *P. pseudobranchicola* in blood

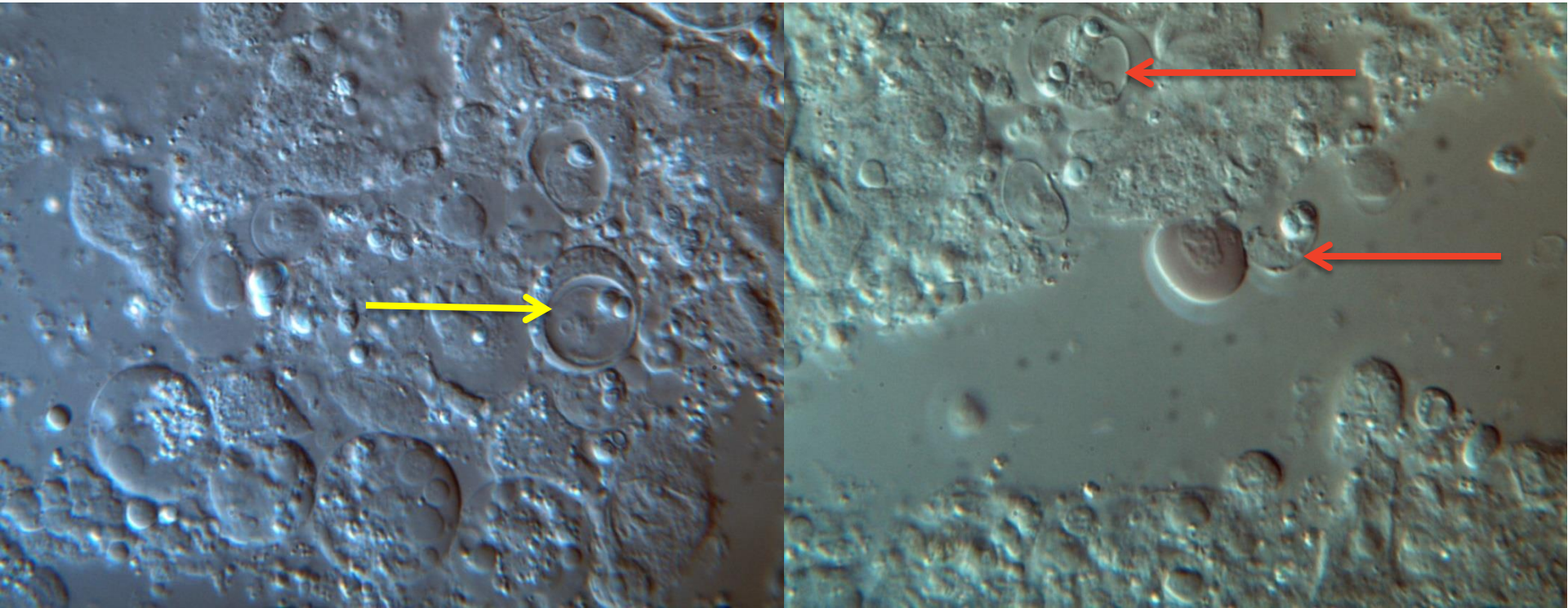


Akkumulativ dødelighet i forsøksmerd

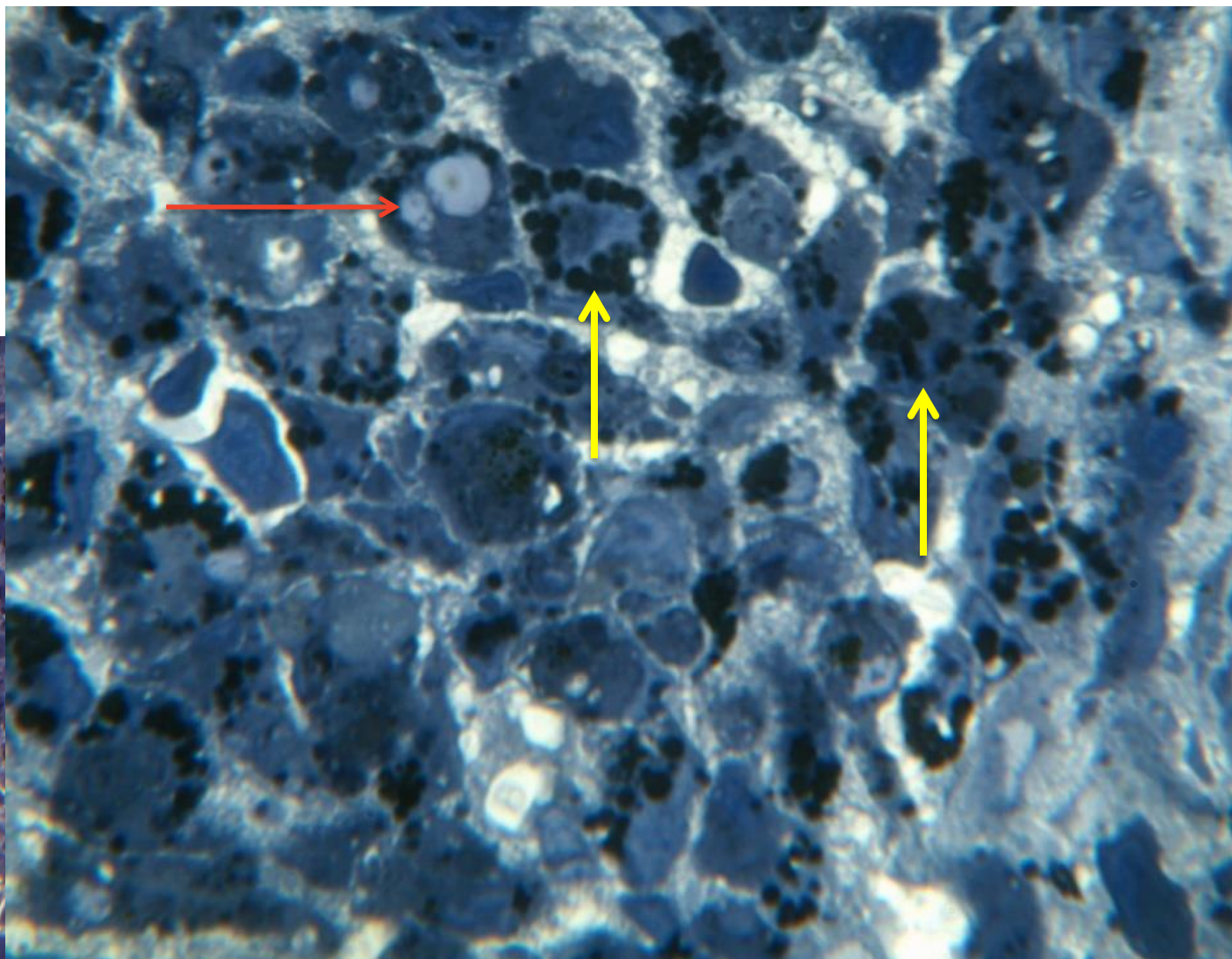
Total cumulative mortality netpen 4



Skvispreparat, pseudobranch – 147 dager etter sjøutsett



Histologi, pseudobranch -147 dager etter sjøutsett



Markussen et al. *Parasites & Vectors* (2015) 8:105
DOI 10.1186/s13071-015-0718-4



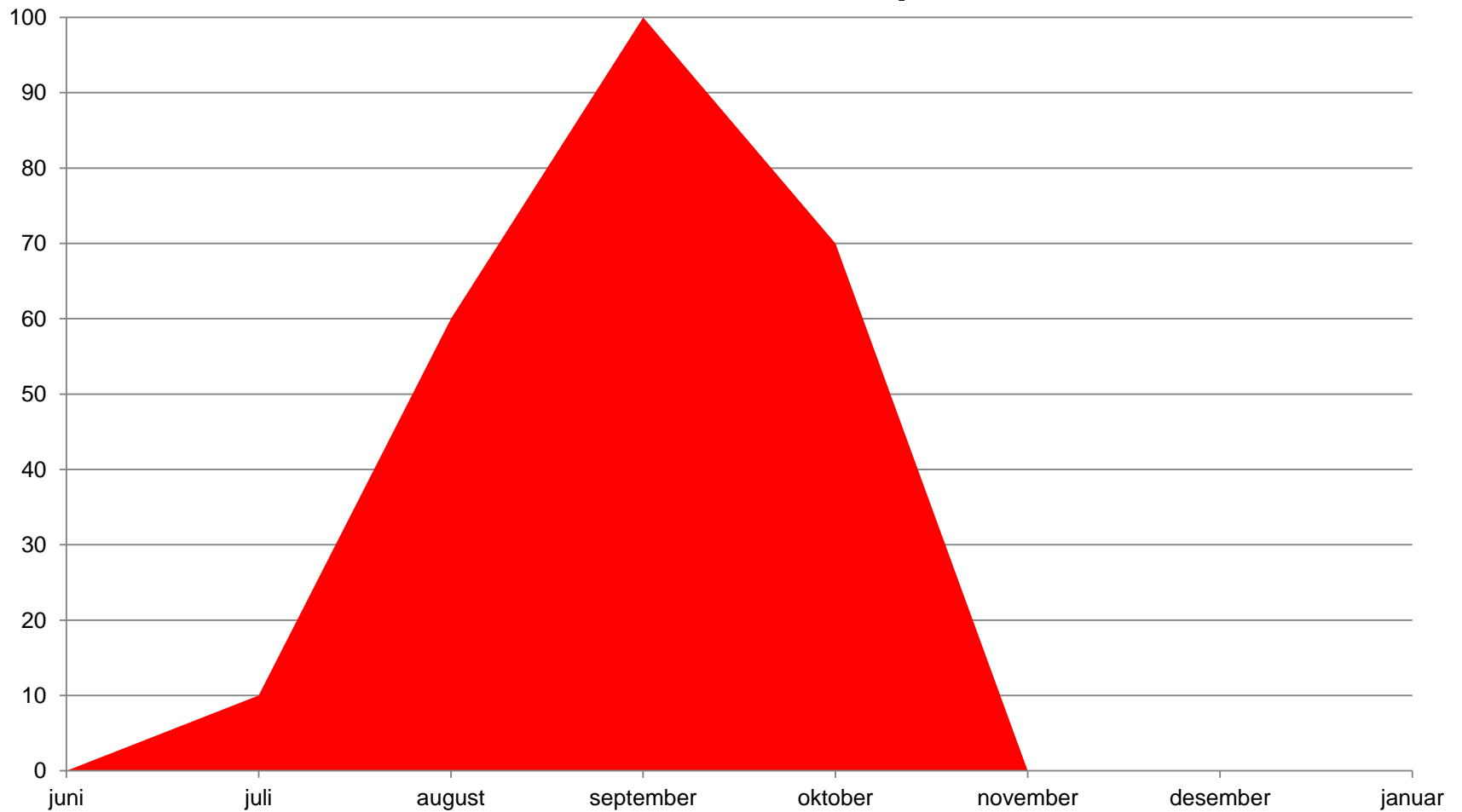
RESEARCH

Open Access

Detection of the myxosporean parasite *Parvicapsula pseudobranchicola* in Atlantic salmon (*Salmo salar* L.) using *in situ* hybridization (ISH)

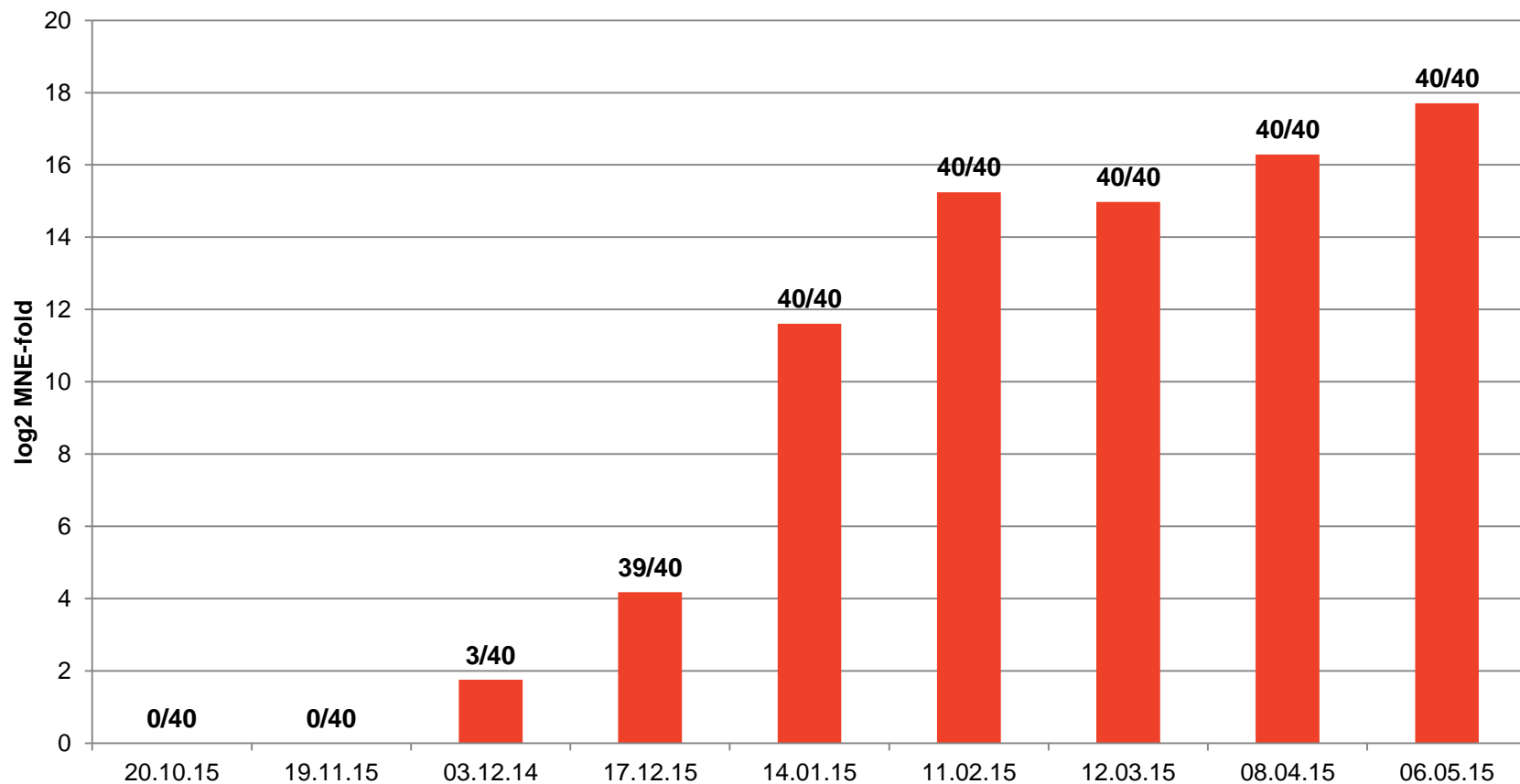
Turhan Markussen^{1*}, Celia Agusti^{1,5}, Egil Karlsbakk², Are Nylund³, Øyvind Brevik⁴ and Haakon Hansen¹

Smittevindu & smittepress

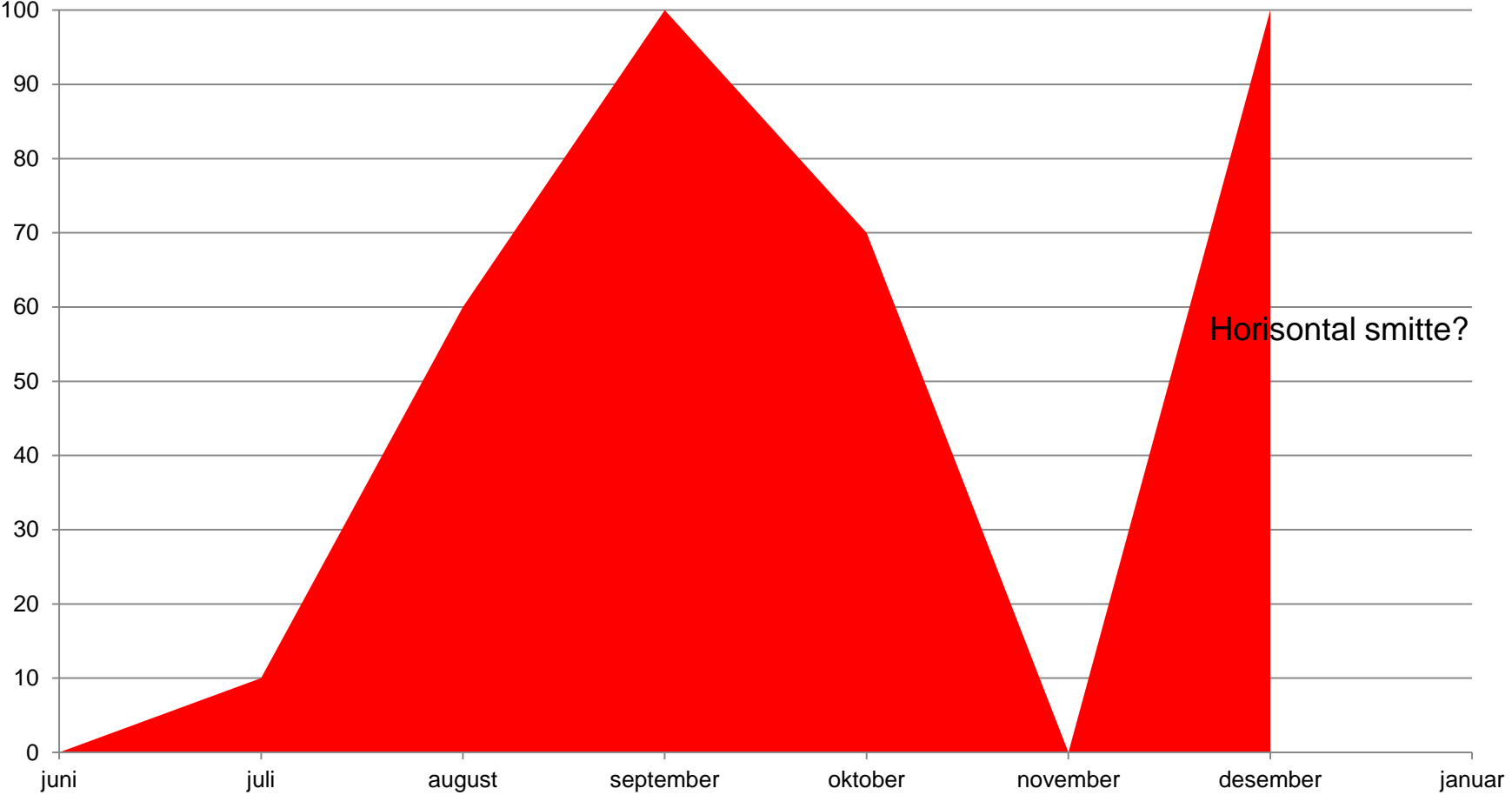


Fisk sjøsatt i oktober

Density and prevalence of *P. pseudobranchicola* in pseudobranch



Smittevindu & smittepress



Oppsummering

- Pseudobranch er målorgan for parasitt replikasjon
- Infeksjonen er systemisk etter 35 dager
- Parasittmengde øker i fisken de 3 første månedene
- Ingen sporer i sjøen i oktober/november
- «Nye» sporer i sjøen i desember

Takk for meg!

