

PMCV – when and where do we find the virus

PD TriNation
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CMS status

- CMS has increased in importance for producers the past years
 - The biggest viral challenge in some areas
 - Producers in western Norway experiences increased CMS mortality
 - Some experience CMS outbreaks shortly after SW transfer
 - Challenges with CMS mortality during/after handling and before slaughter



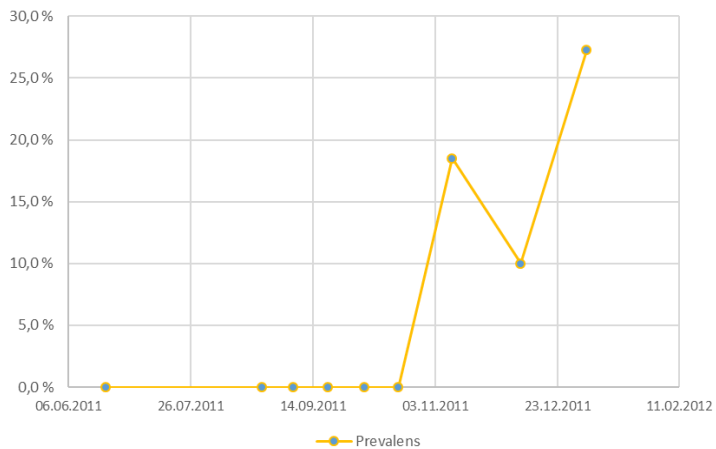
PMCV – limited knowledge on infection routs

- High prevalence in the boodfish
 - Potential risk for vertikal transmission?
- Very low prevalence in hatcheries
- PMCV have been detected the first month post SW transfer
- The fish population does not seem to clear the infection

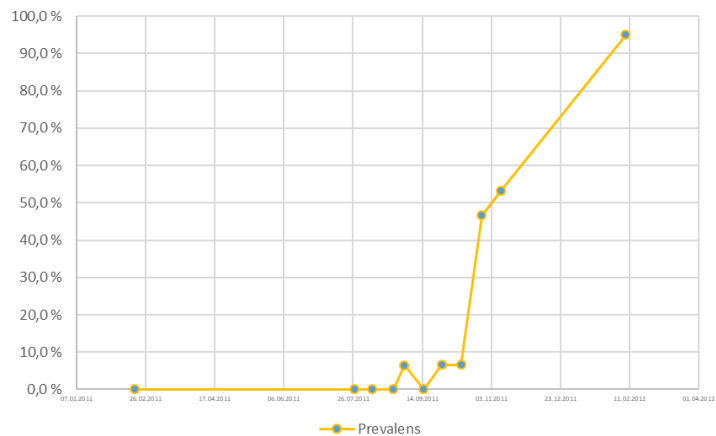


PMCV infection – field examples from sea sites

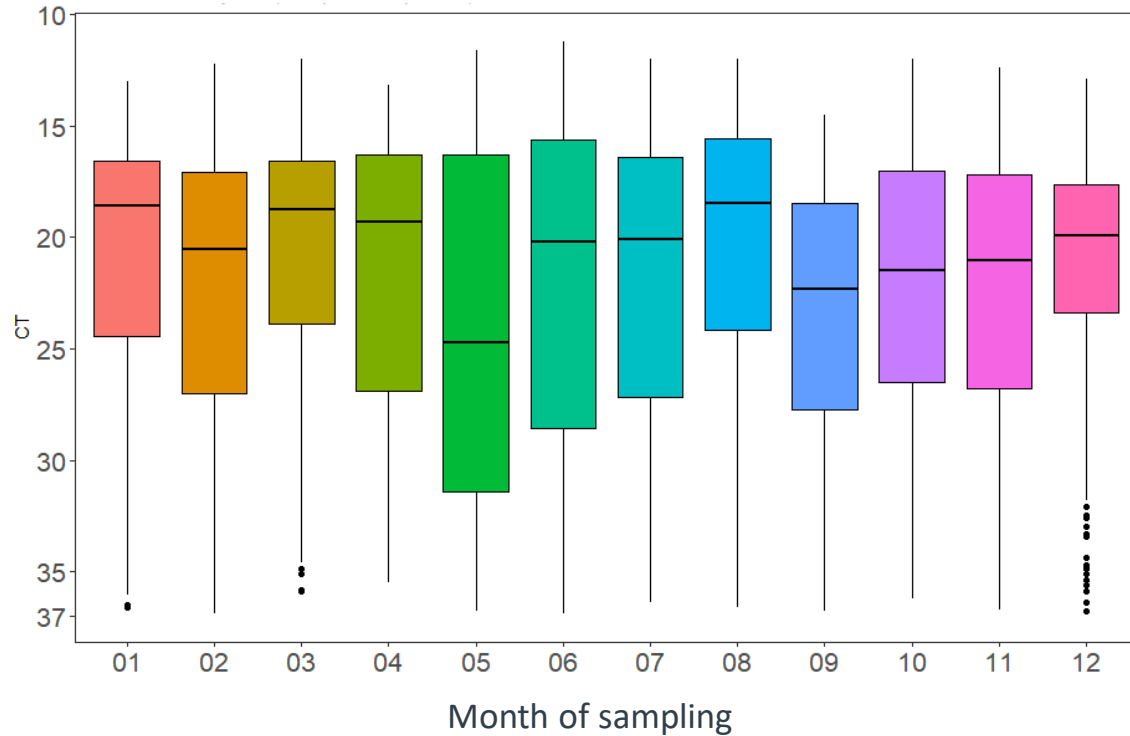
PMCV Matfiskanlegg



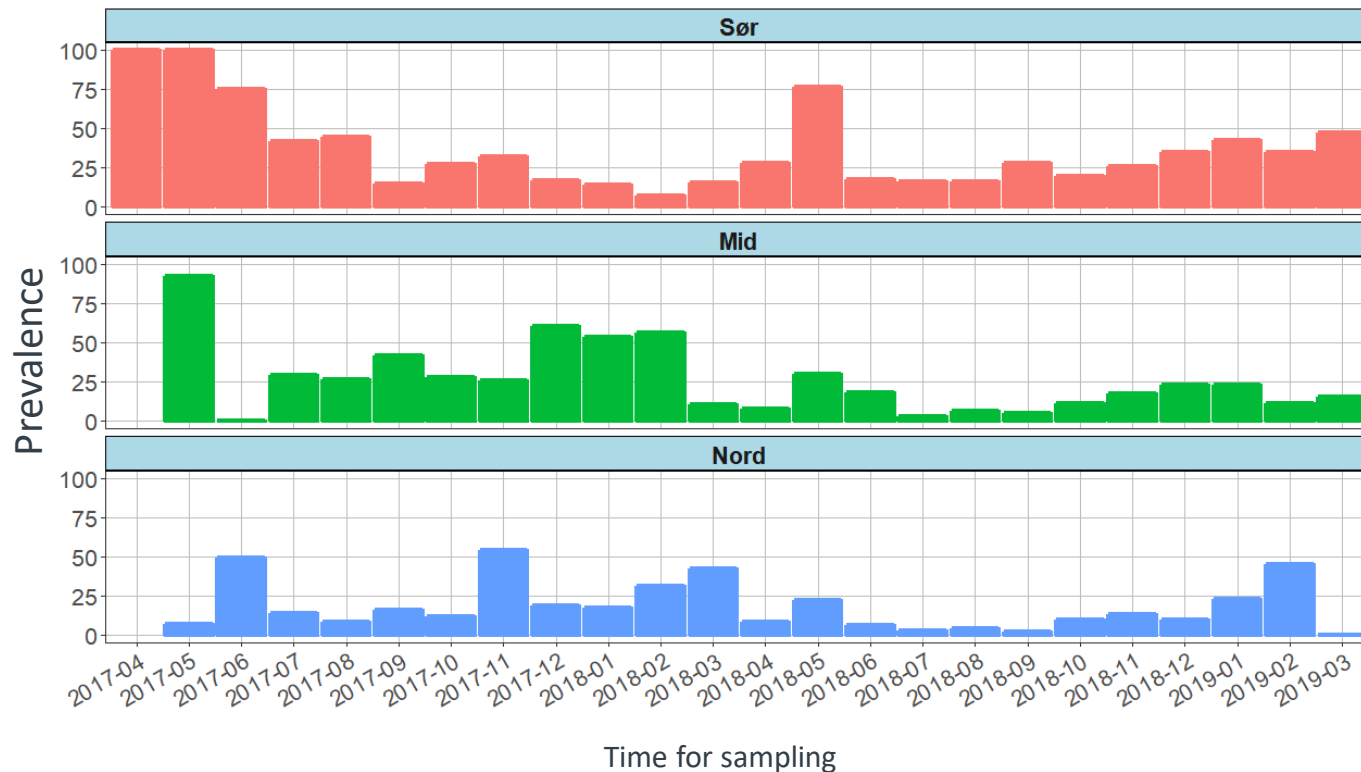
PMCV Matfiskanlegg



PMCV detection throughout the year (only positive samples)



Prevalence in SW - sampling month



PMCV development at sea sites

- Few cases of infection early after SW transfer
- Low prevalence months before infection develops
- Infection develops fast after a certain timepoint
- The infection stays high in the population



Focus areas – PMCV/CMS

1. Limit loss of fish at sea
 - Understand the infection dynamics at sea – triggers for infection development?
 - Besluttningsgrunnlag for optimal slaktetidspunkt
2. Clarify a possible vertical transmission pathway
3. Clarify the role of PMCV in FW smolt facilities
4. Clarify possible virulence differences and/or mechanisms



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