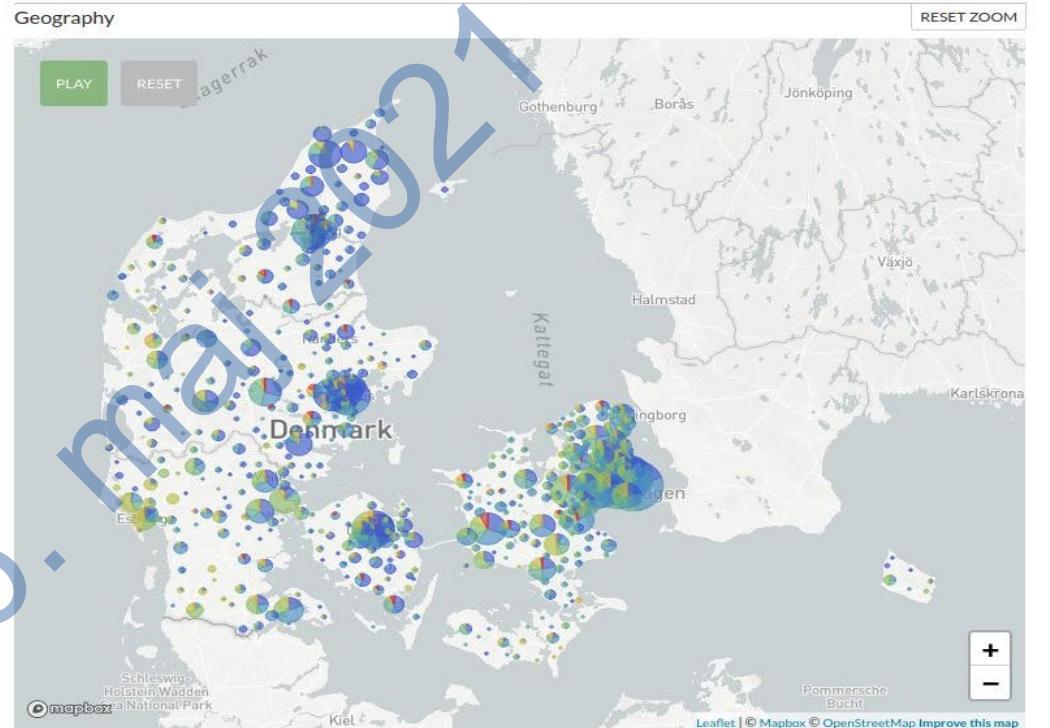
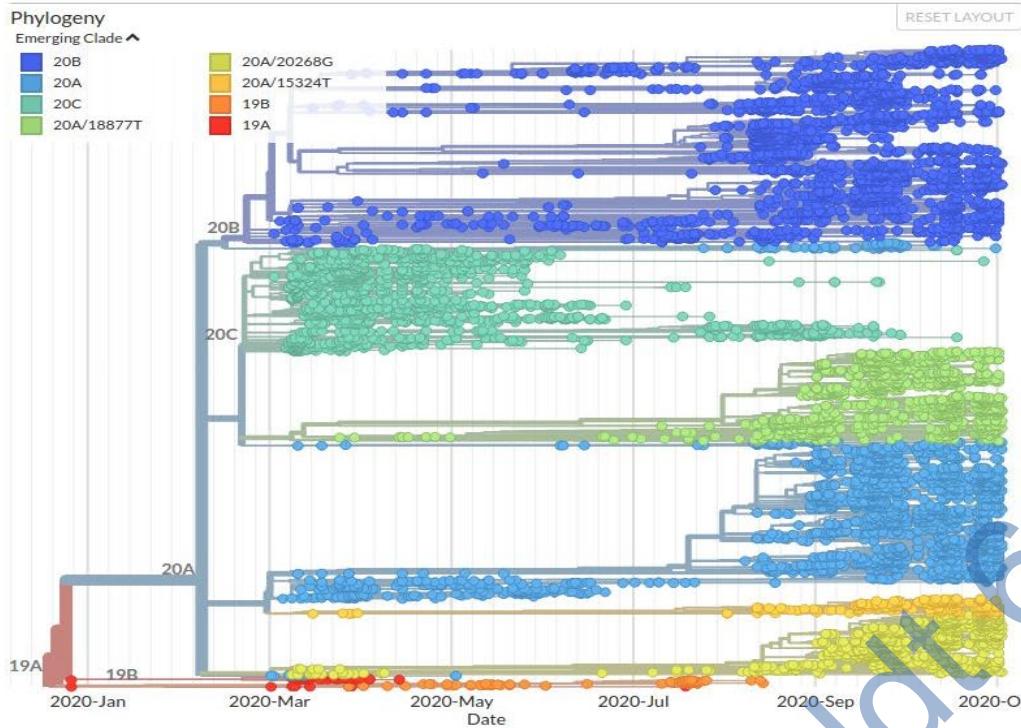


# SARS-COV-2 SEKVENTERING I DANMARK

Showing 8945 of 8945 genomes sampled between Dec 2019 and Nov 2020.



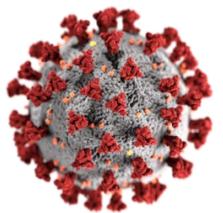
Diversity

ENTROPY EVENTS AA NT

Morten Rasmussen, Seniorforsker, PhD  
Virus og Mikrobiologisk Specialdiagnostik, SSI



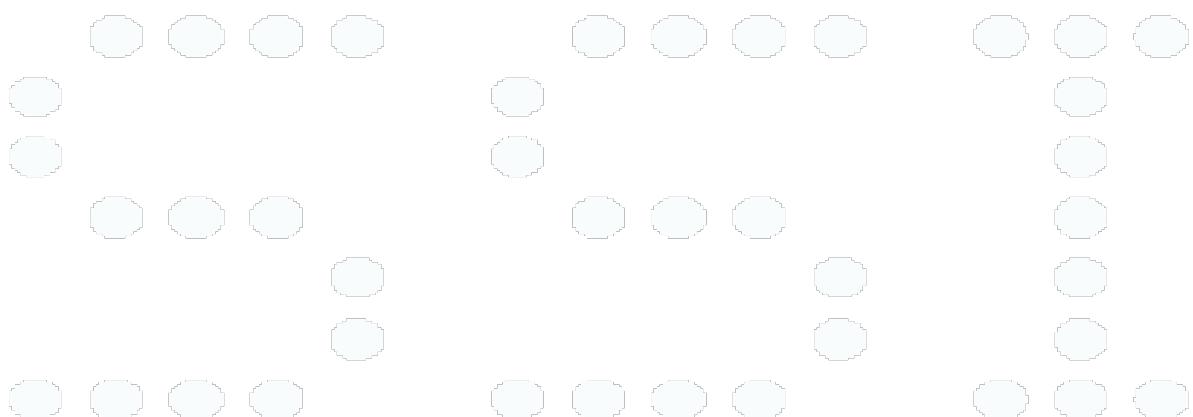
## Hvordan det hele startede



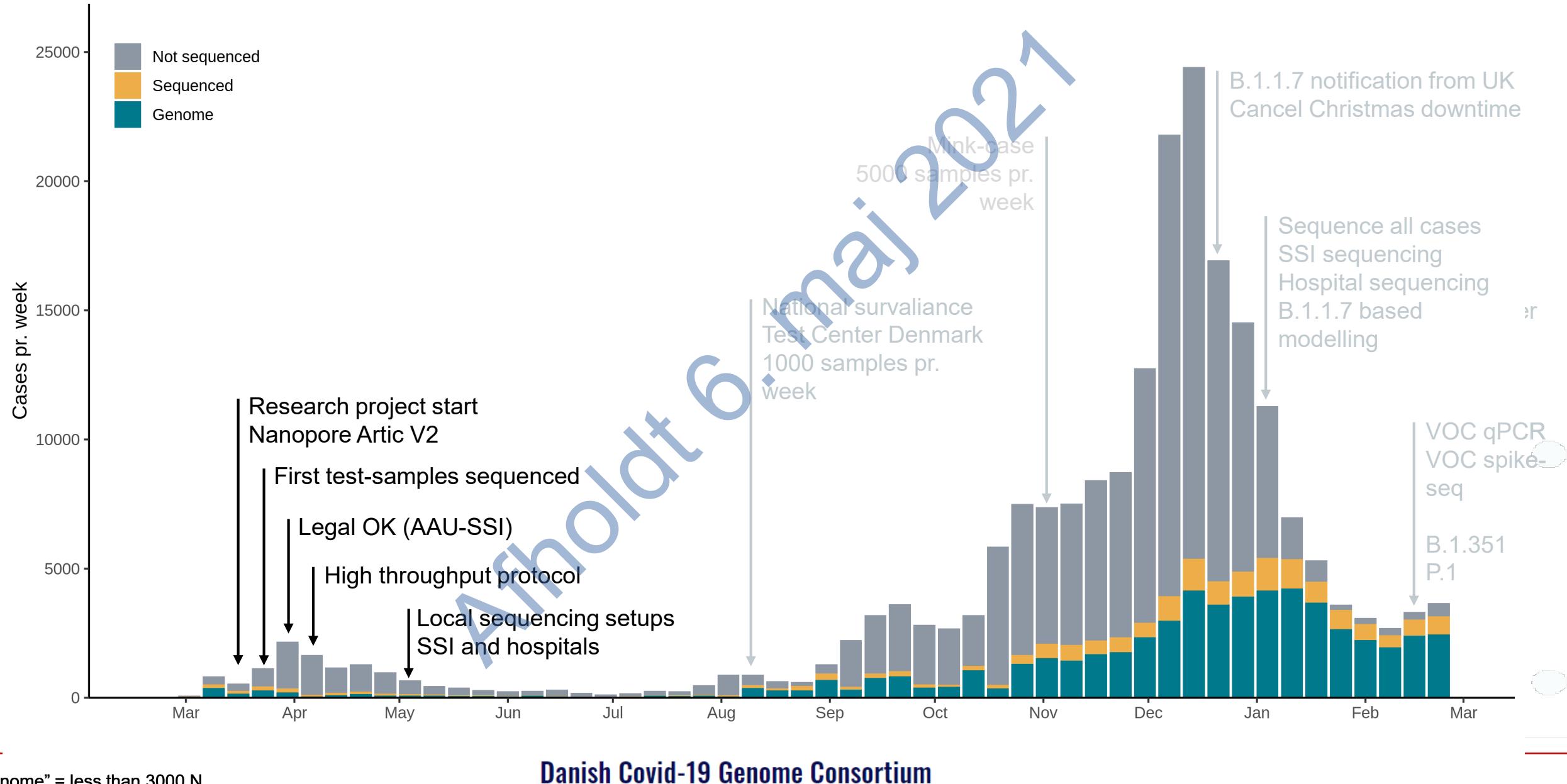
## Epidemien set gennem sekventering



## Rapporteringer

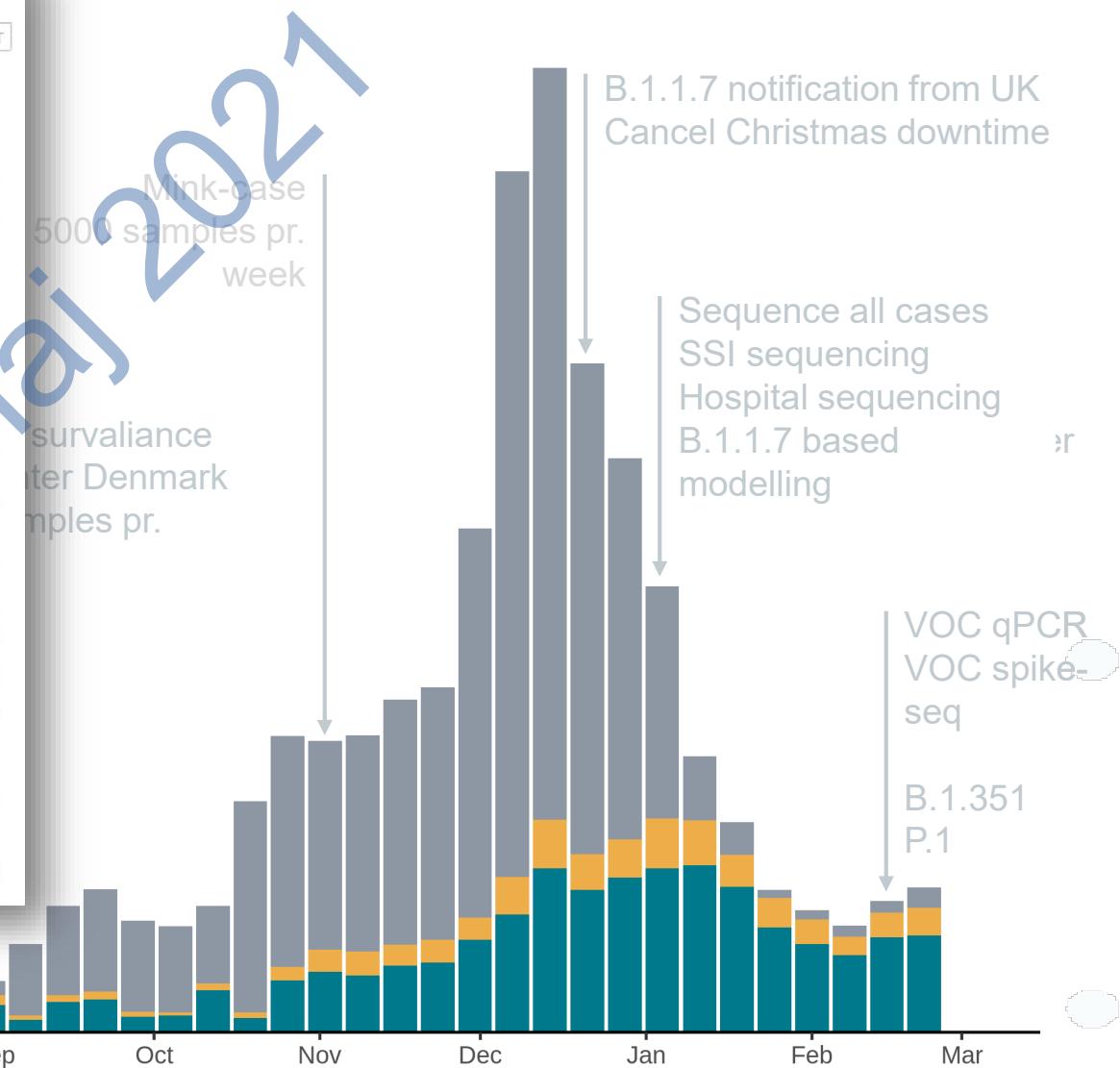
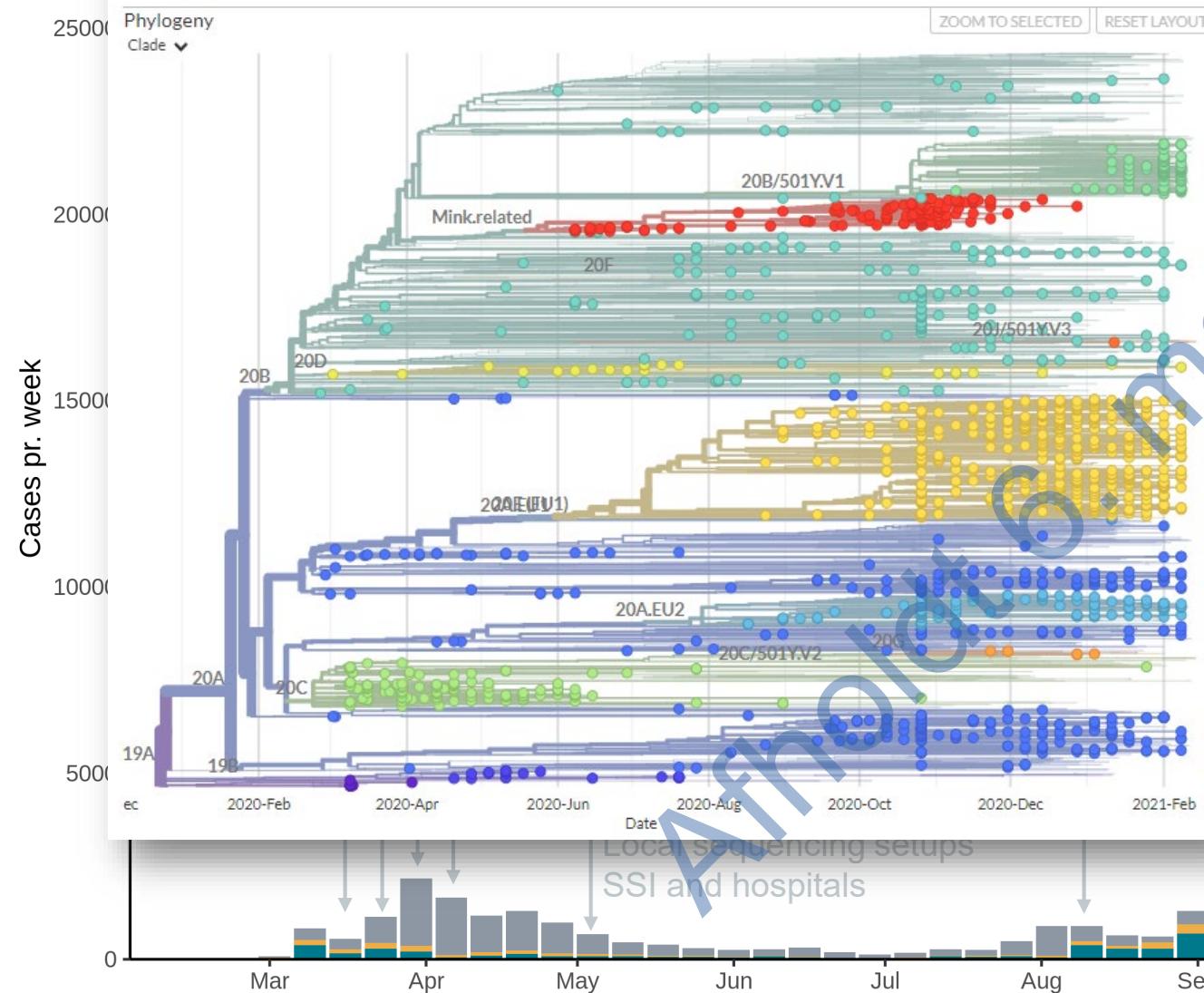


# DEN FØRSTE BØLGE



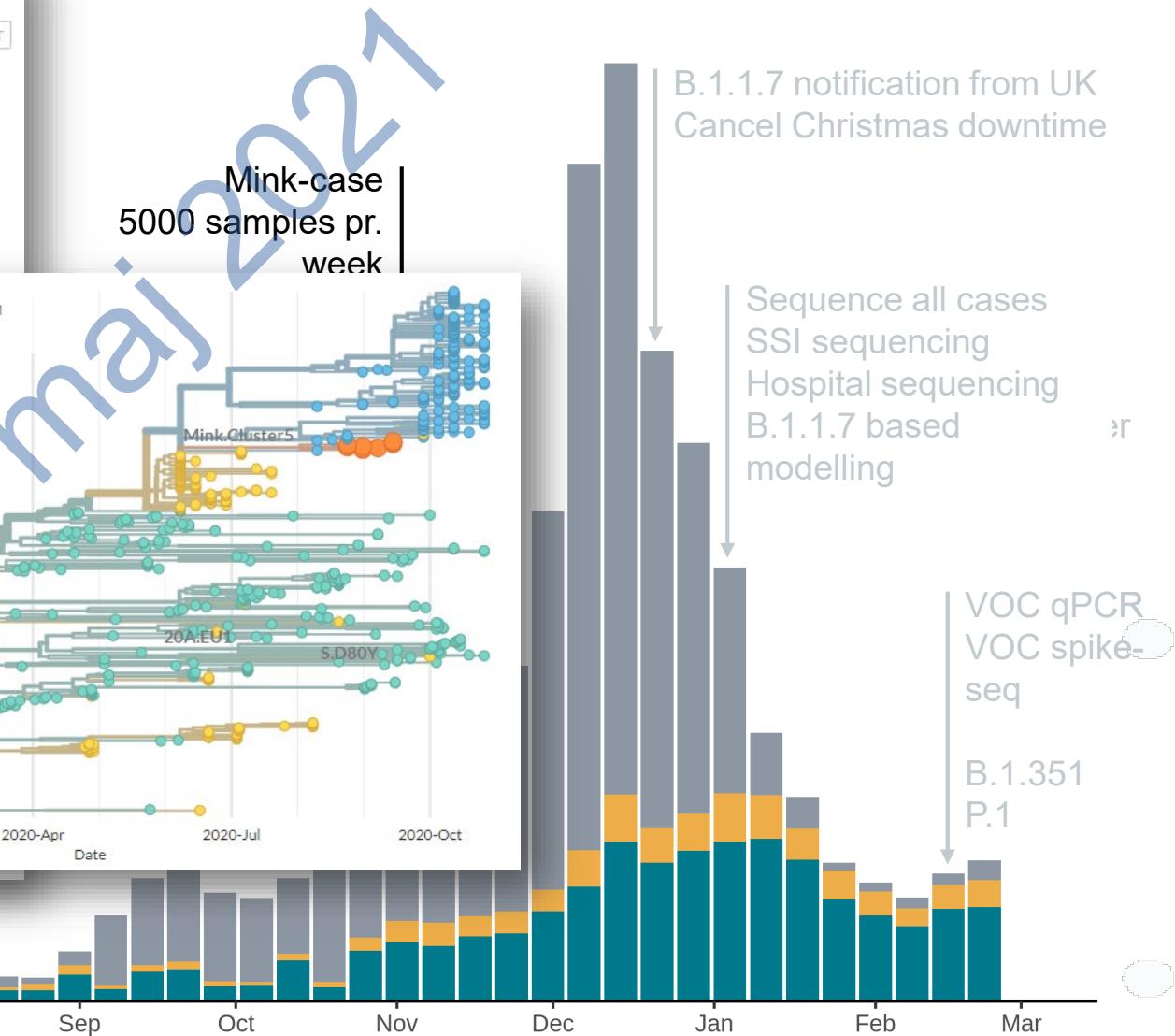
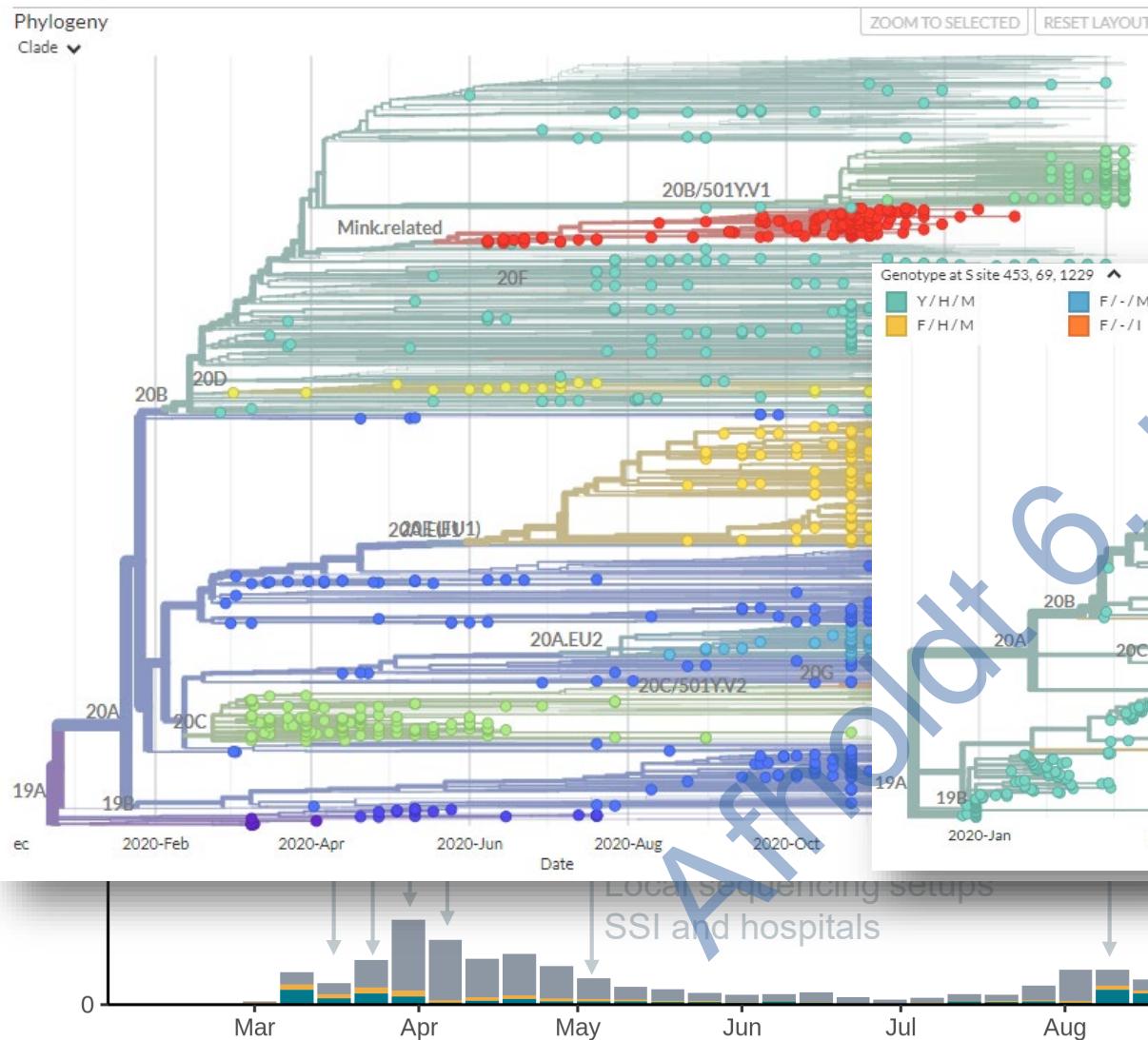
# MINK UDBRUD

Showing 1512 of 3293 genomes sampled between Feb 2020 and Feb 2021. Filtered to Denmark (1512)  



# MINK UDBRUD

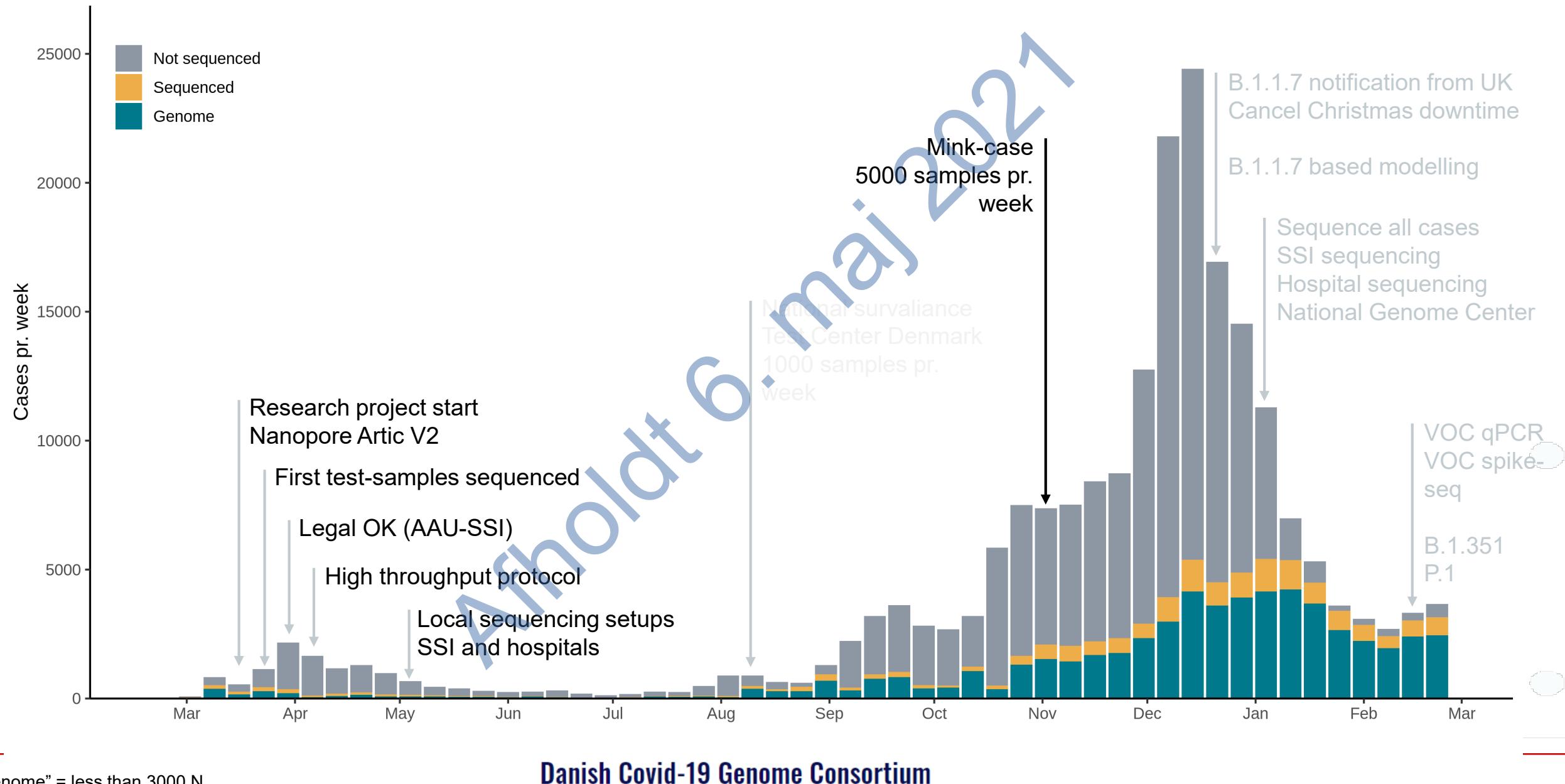
Showing 1512 of 3293 genomes sampled between Feb 2020 and Feb 2021. Filtered to Denmark (1512)  



"income" = less than 3000 N

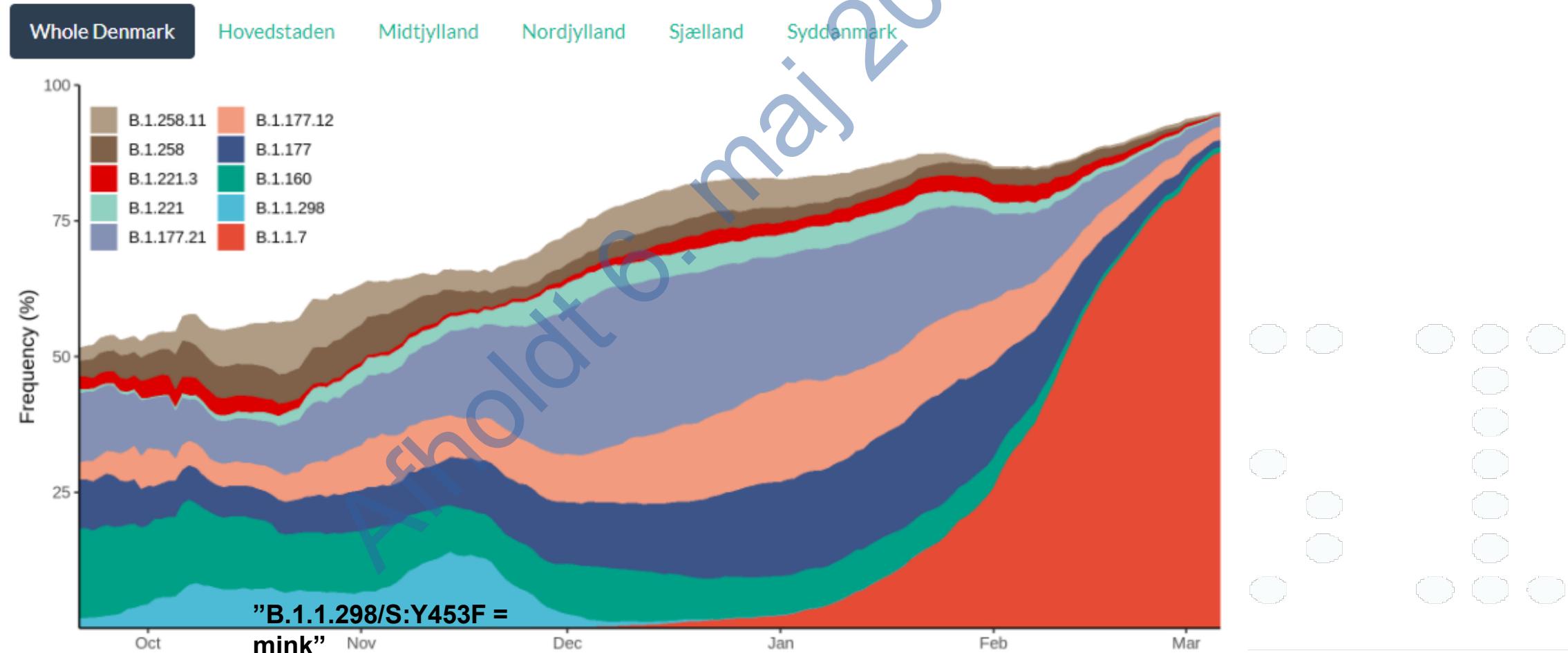
Danish Covid-19 Genome Consortium

# OVERSIGT SARS-COV-2 SEKVENTERING



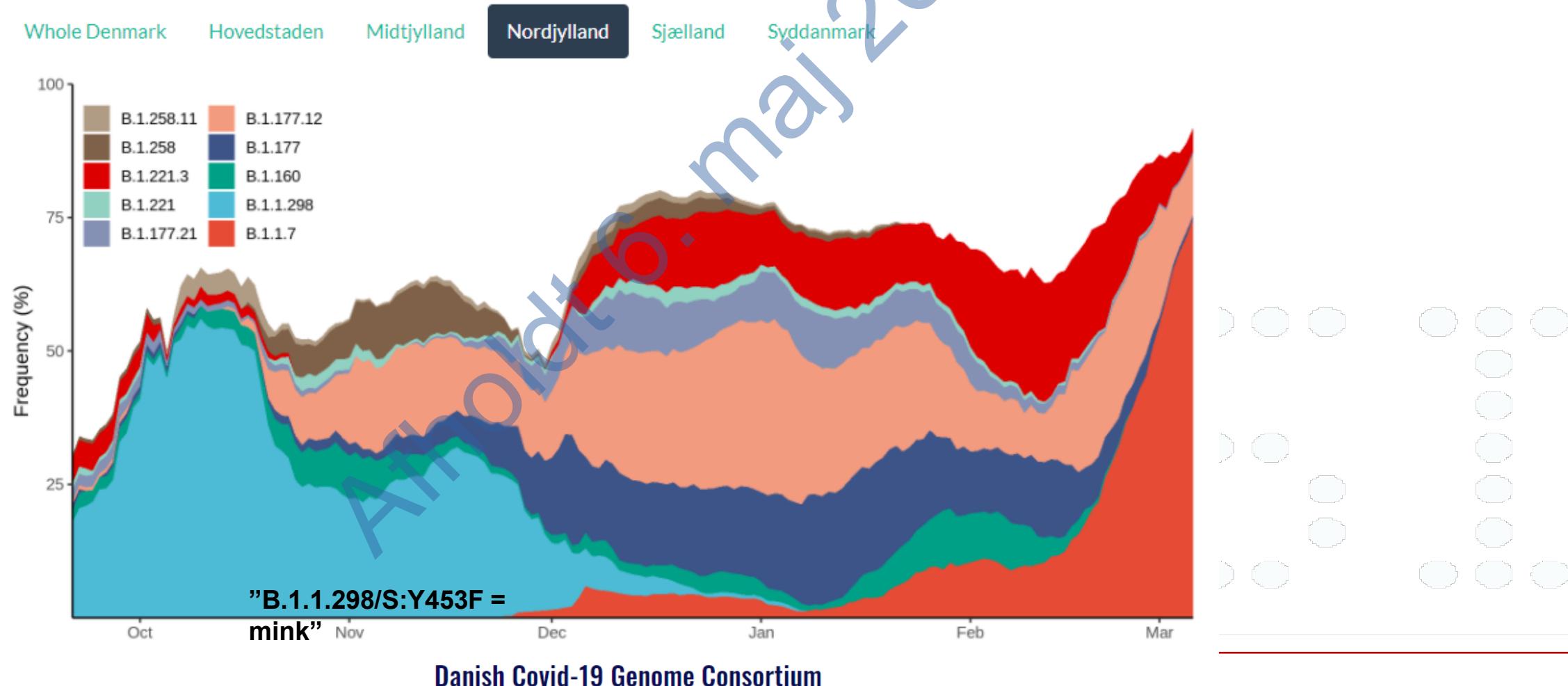
## Dominating lineages

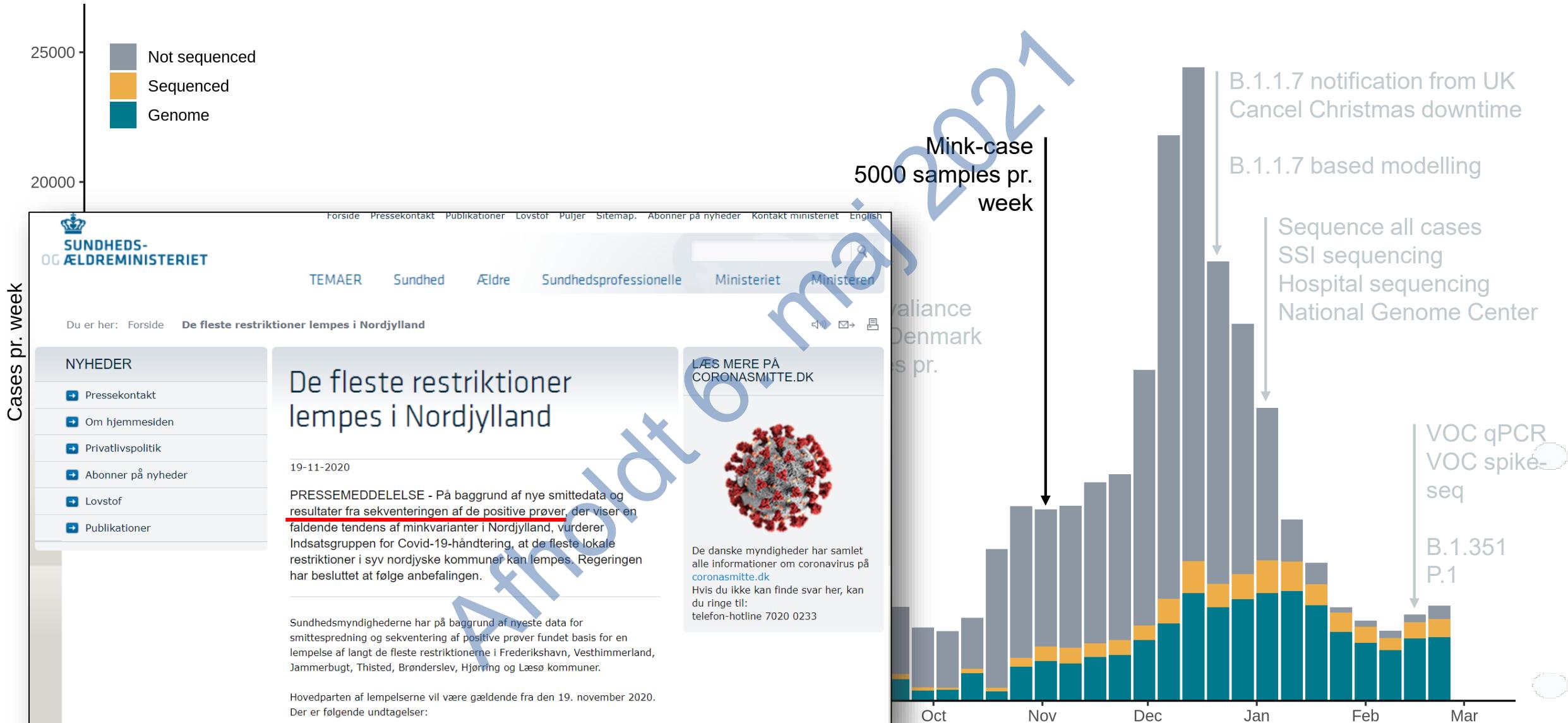
Frequency of the 10 most abundant PANGO lineages across Denmark within the last 6 months. The frequency is calculated as a centered 14-day rolling average. Note that some regions have low case-counts in some periods, which can make small absolute changes look dramatic on a relative scale.



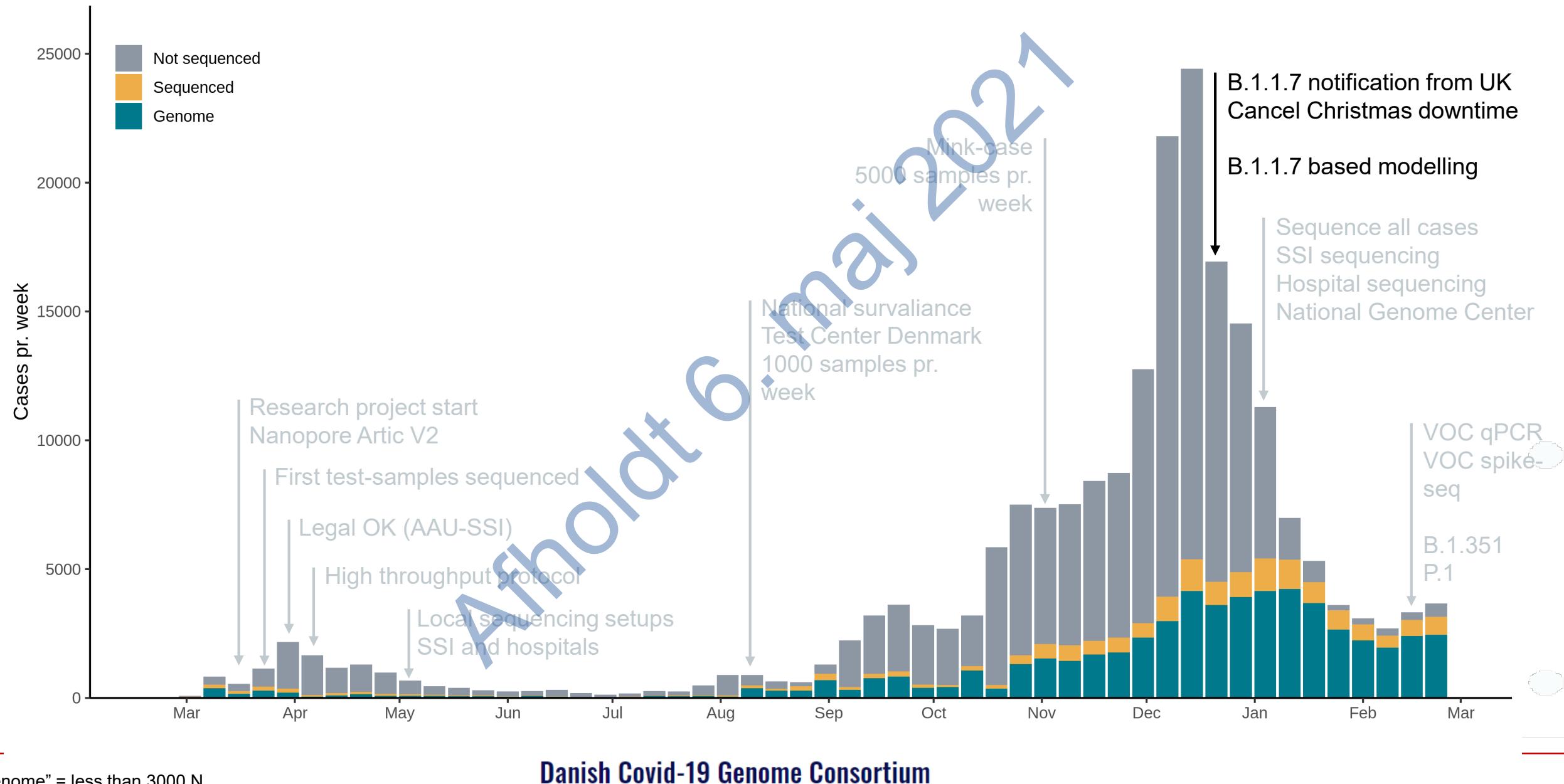
## Dominating lineages

Frequency of the 10 most abundant PANGO lineages across Denmark within the last 6 months. The frequency is calculated as a centered 14-day rolling average. Note that some regions have low case-counts in some periods, which can make small absolute changes look dramatic on a relative scale.

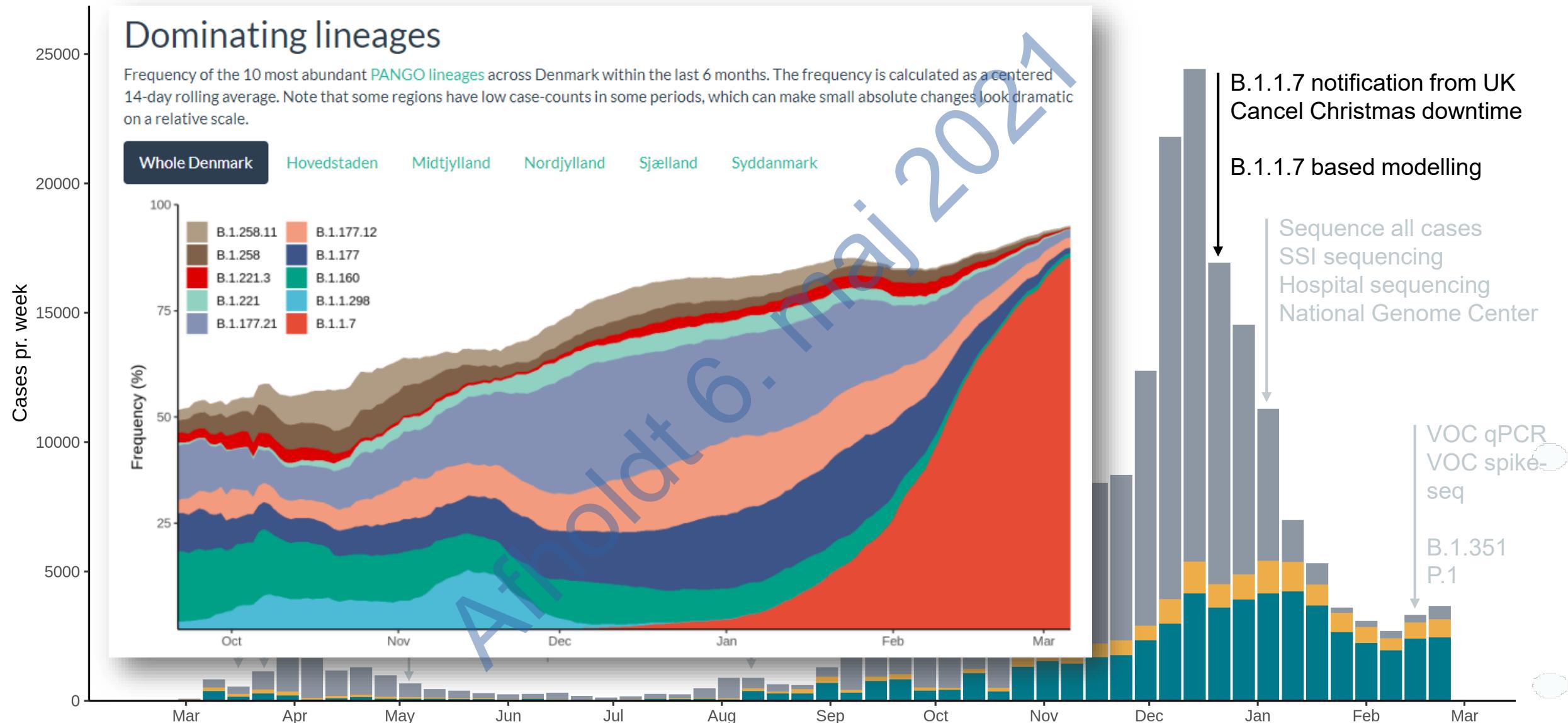




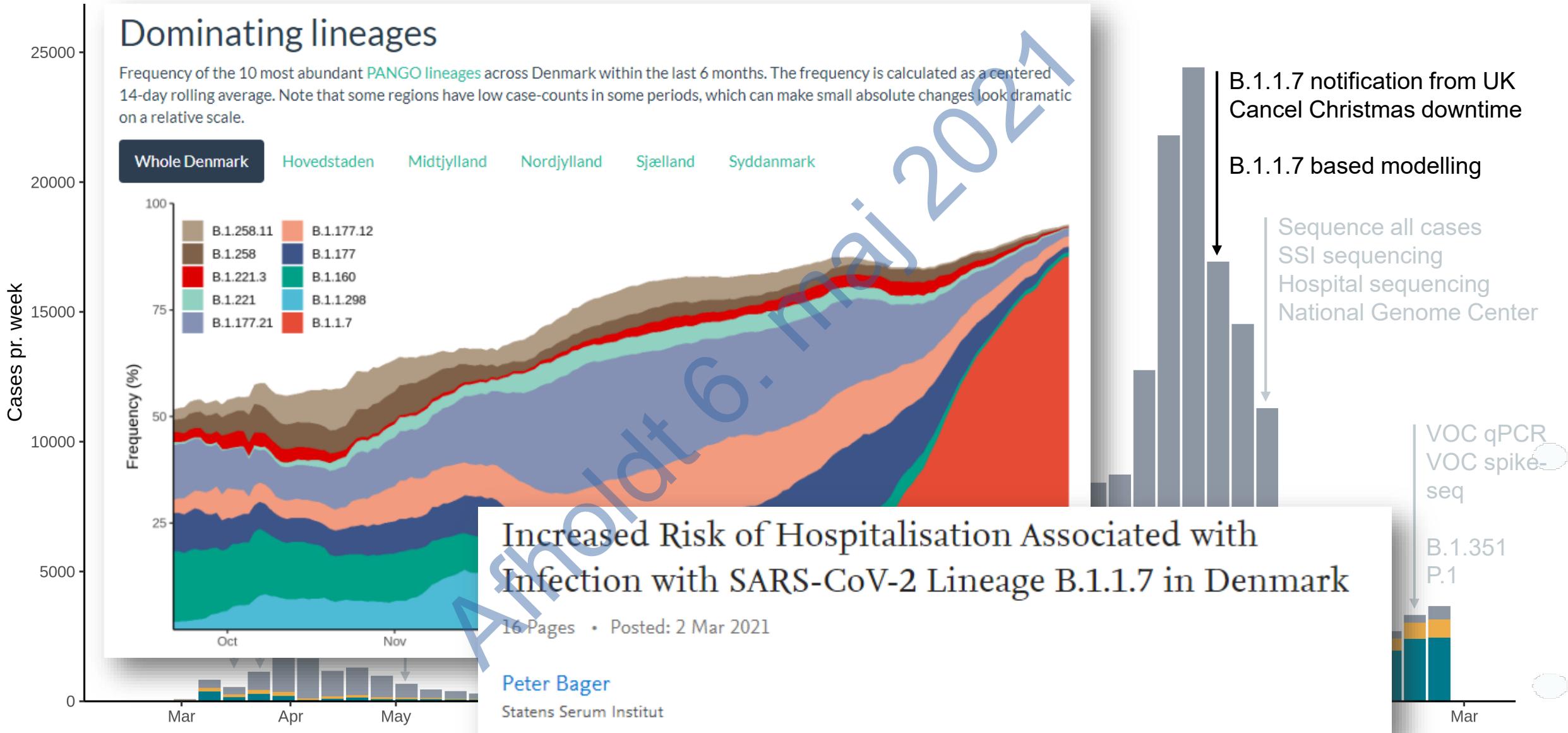
# DEN ENGELSKE VARIANT



# DEN ENGELSKE VARIANT

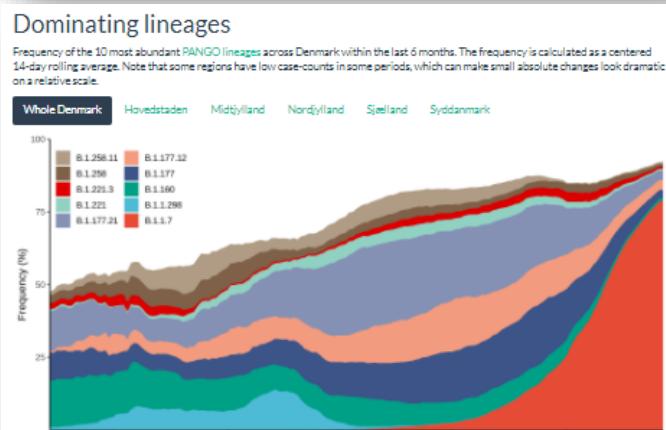
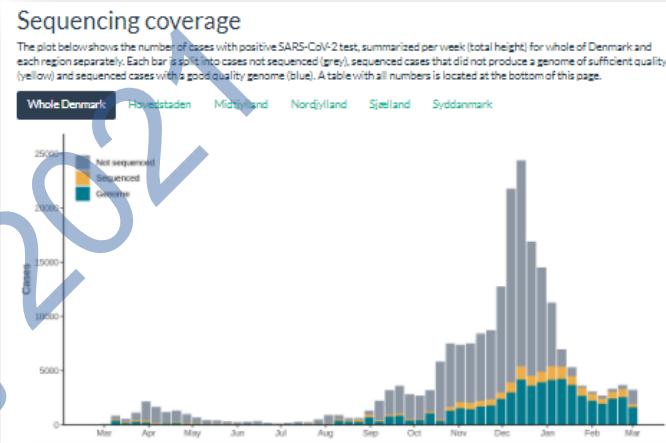


# DEN ENGELSKE VARIANT

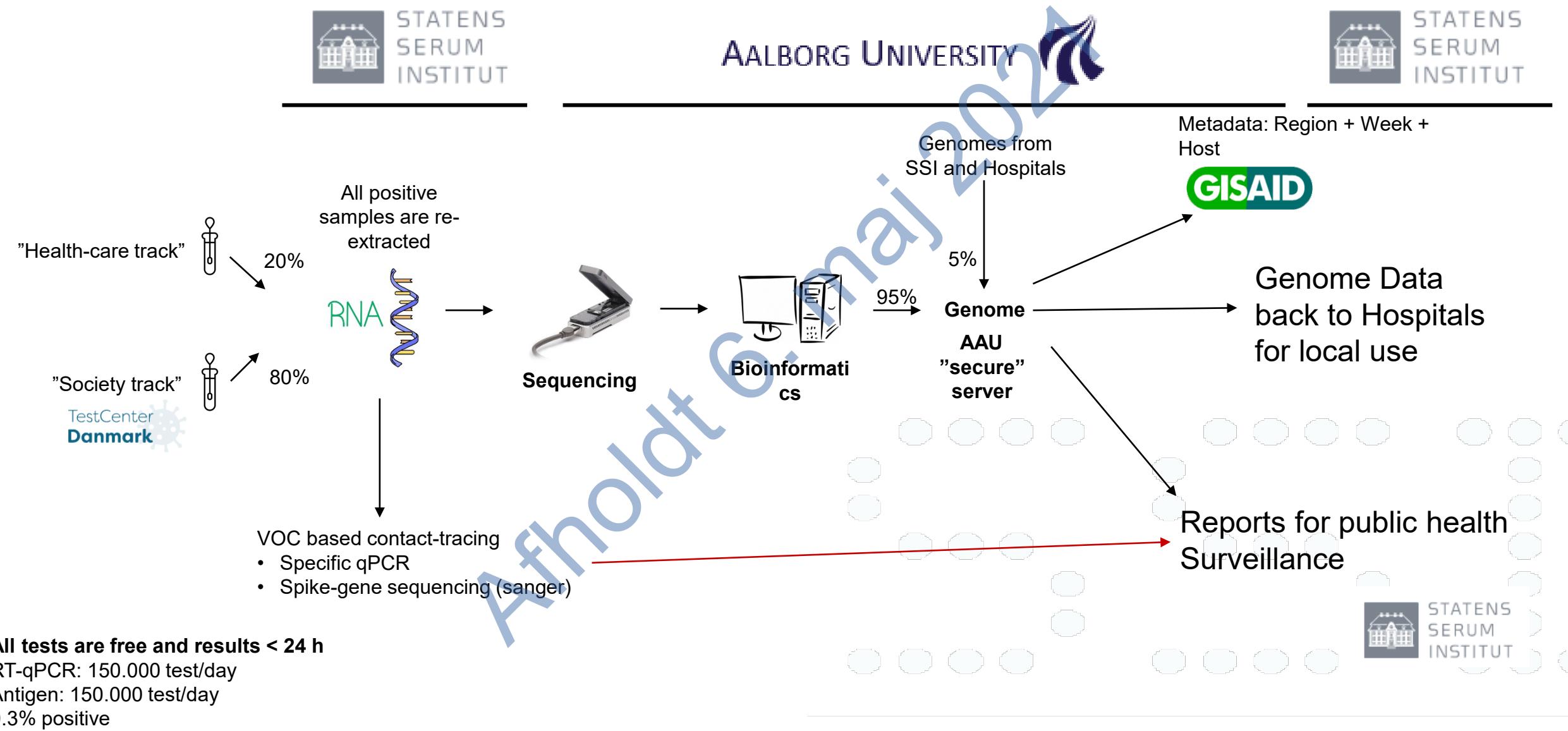


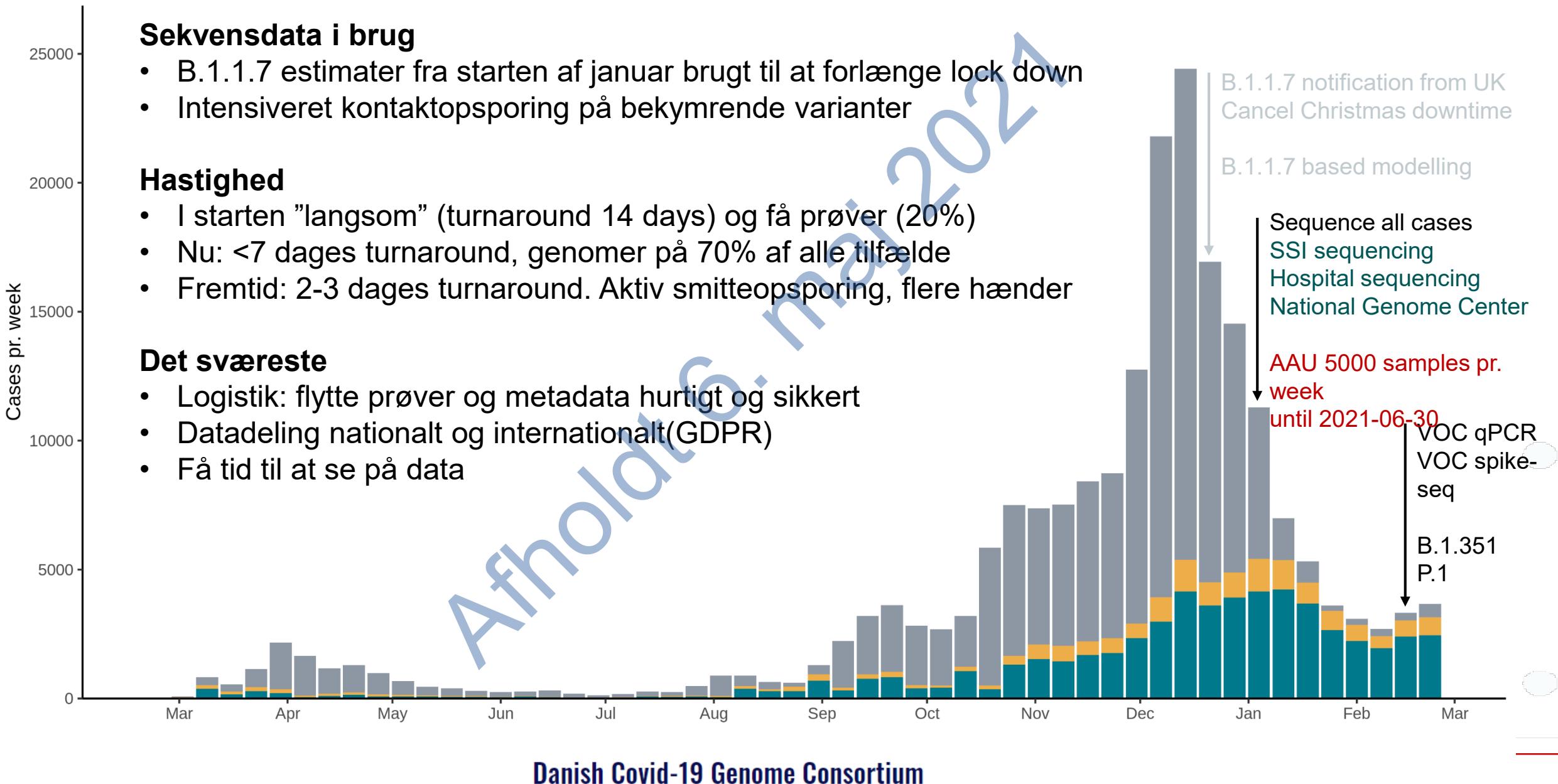
# RAPPORTERINGER

- ❖ Daglige data opdateringer kl 12.
- ❖ Oversigtsrapporter
  - Status på sekventering og VOC/VOIs
- ❖ Udbruds og variant rapporter
  - Epikurver + fylogeni
- ❖ Data til modelleringssgruppen
  - Beregning af kontakttal
- ❖ Breakthrough infektioner
  - Overvågning af infektioner post vaccination
- ❖ Overvågning af diagnostiske assays
  - Primer/probe statistikker.



# FROM PATIENT TO DATA





# DANISH COVID-19 GENOME CONSORTIUM

## Coordination (AAU)

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## Laboratory (AAU)

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Trine Sørensen  
Celine Petersen  
Jakob Brandt  
Claris Chiche-Lapierre  
Frederik Teifeldt Hansen  
Emilio Fuster Collados  
Mantas Serika  
Wagma Sei  
Susan Hove Hansen  
Susanne Remmer Bieldt  
Thomas Bygh Nyman Jensen

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Søren M. Karst  
Marc Stegger  
Raphael Sieber  
Thor Bech Johannessen  
Anna Ingham  
(+ Lab technicians, bioinformaticians)

## Hvidovre Hospital

Kristian Schønning (PI)  
Martin S. Pedersen  
Sarah Mollerup  
Nana Gry Jacobsen

## Aalborg University Hospital

Henrik Krarup (PI)

## Danish Hospitals

All local KMA's shipping samples to SSI  
All local KMA's conducting sequencing

## AAU CLAUDIA / IT

Karsten K. Hansen  
Mads Boye  
Mads P. Bach  
Peter Dissing  
Michael Collin  
Finn Büttner

## AAU legal

Susanne Andersen

## AAU Computer Science

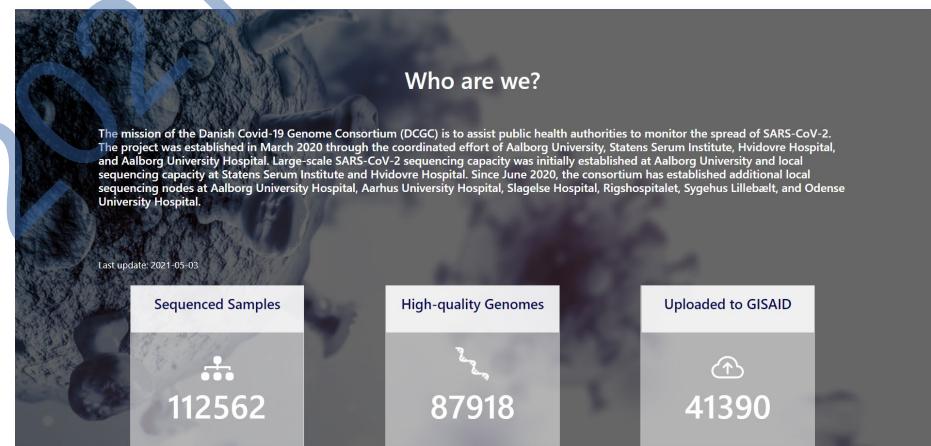
Katja Hose  
Tomer Sagi  
Miroslaw Pakanec

## AAU SUND

Martin Bøgsted  
Rasmus Brøndum

## Danish Covid-19 Genome Consortium

HOME NEXTSTRAIN STATISTICS ABOUT US CONTACT



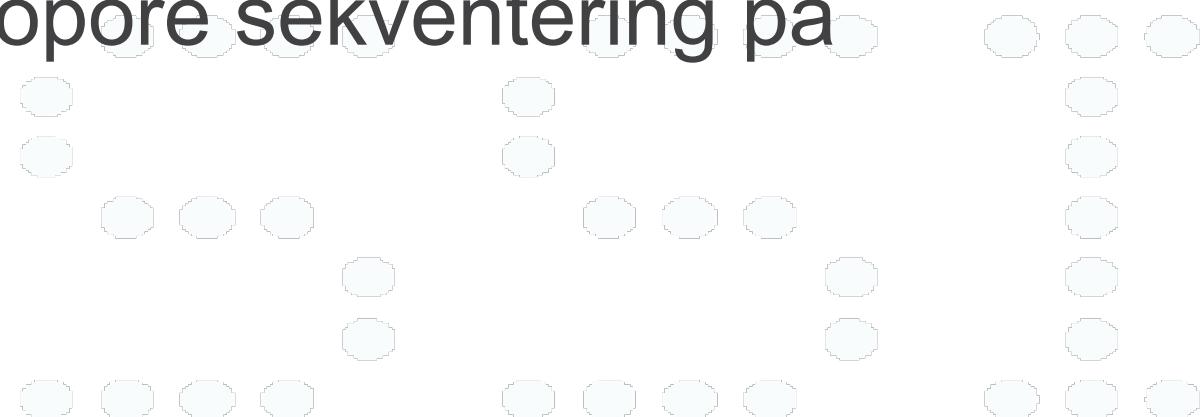
POUL DUE JENSEN GRUNDFOS  
FOUNDATION

  
Uddannelses- og  
Forskningsministeriet

## • Formål

- Opbygning af sekventeringskapacitet
- Bruge helgenomsekventering aktivt som overvågningsværktøj
- Assistere med at etablere Nanopore sekventering på landets sygehuse

Afholdt 6. maj 2021



# REPORTING SYSTEM

## ❖ Outbreak report

- In depth reports covering specific outbreaks

## ❖ Data to modelling group

- Modelling R-numbers and reopening scenarios

## ❖ Breakthrough infections after vaccination

- Surveillance of infections post vaccination

## ❖ Surveillance of diagnostic assays

- Primer/probe statistics

## ❖ Information to ministry of health

