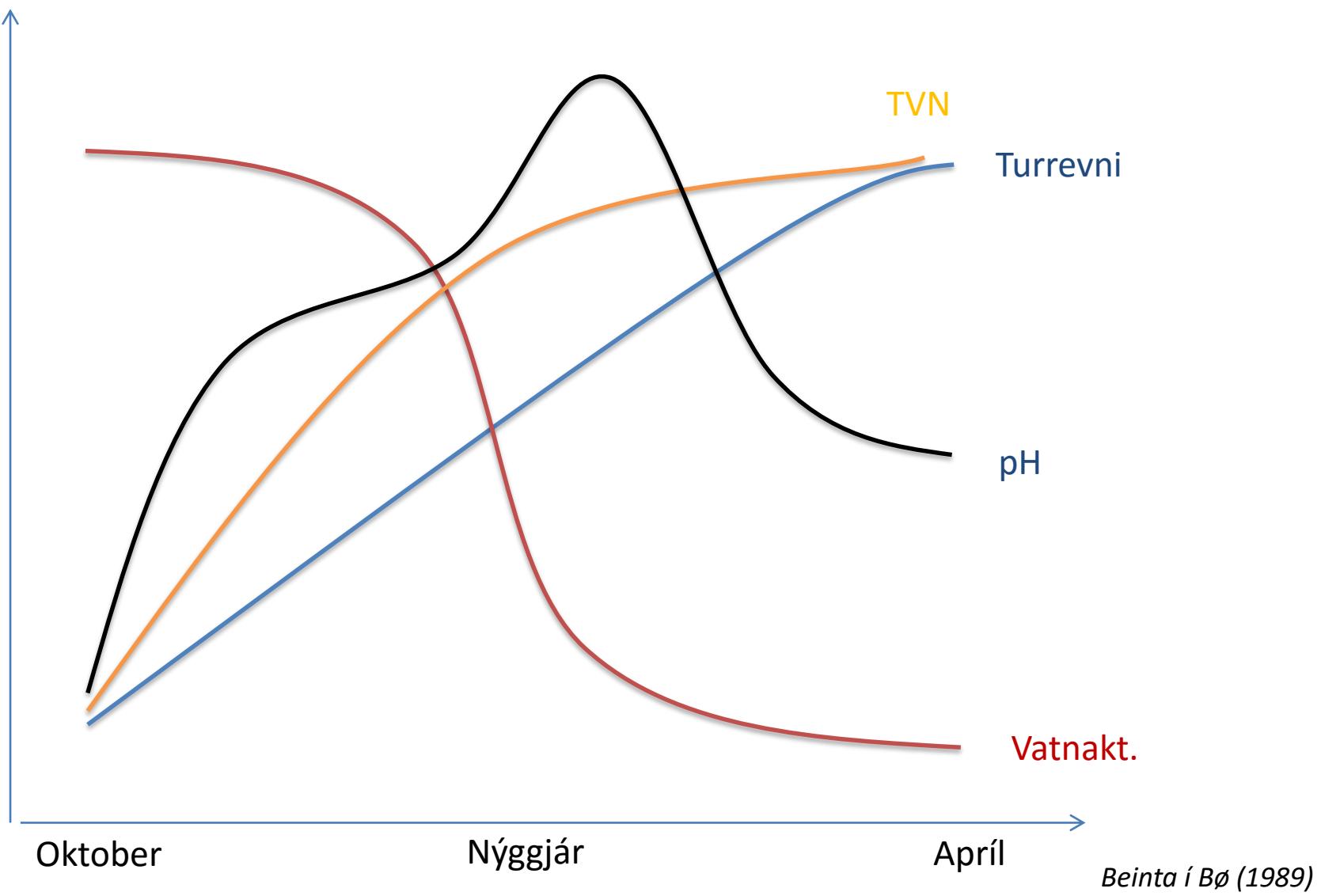




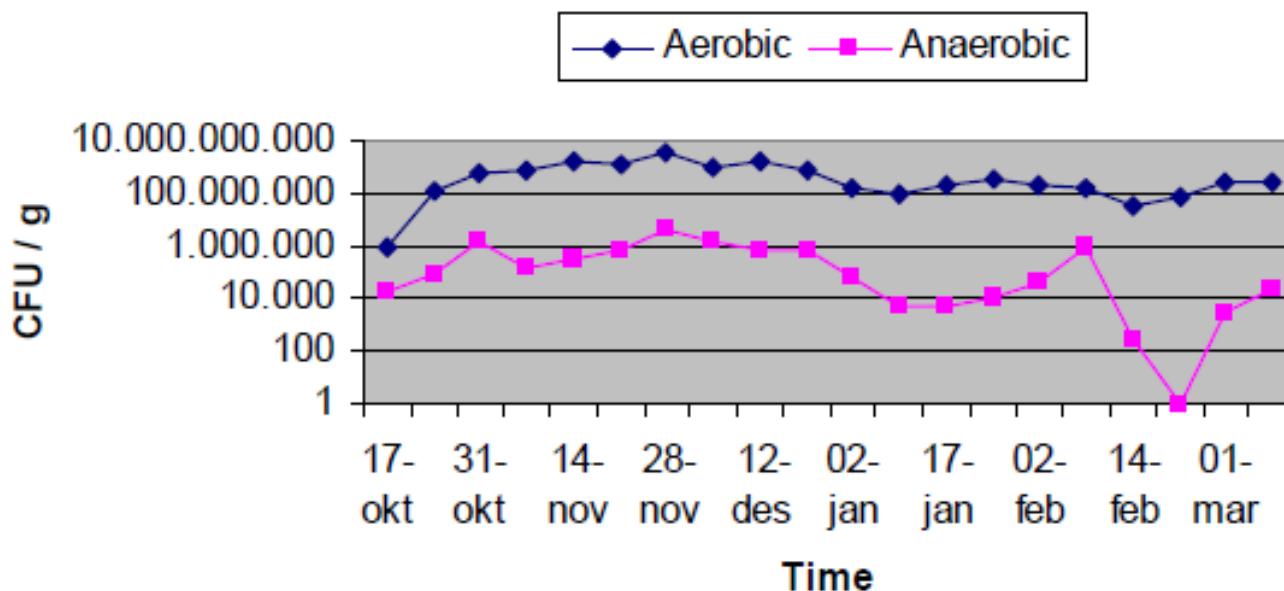
16S METAGENOMICS SEKVENTERING AV SKERPIKJØTSBAKTERIUM



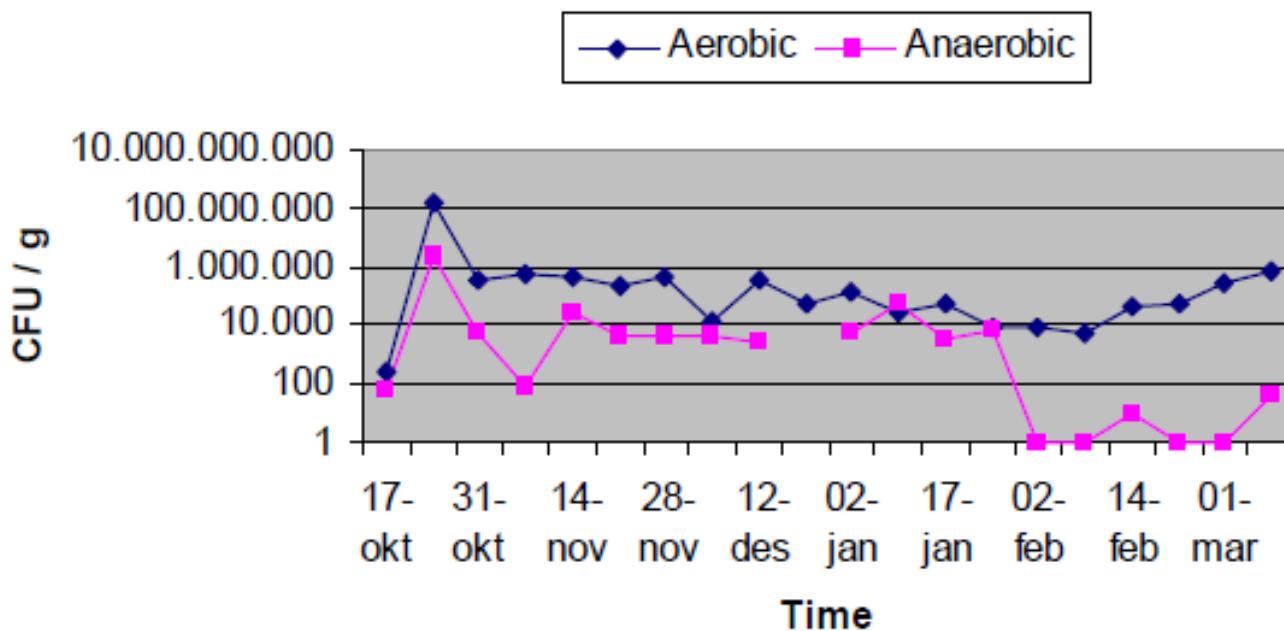


1. Autolytiskt niðurbróting av vøddum: kveikar (ensymir)
2. Niðurbróting við bakterium
3. Niðurbróting við soppum og geri

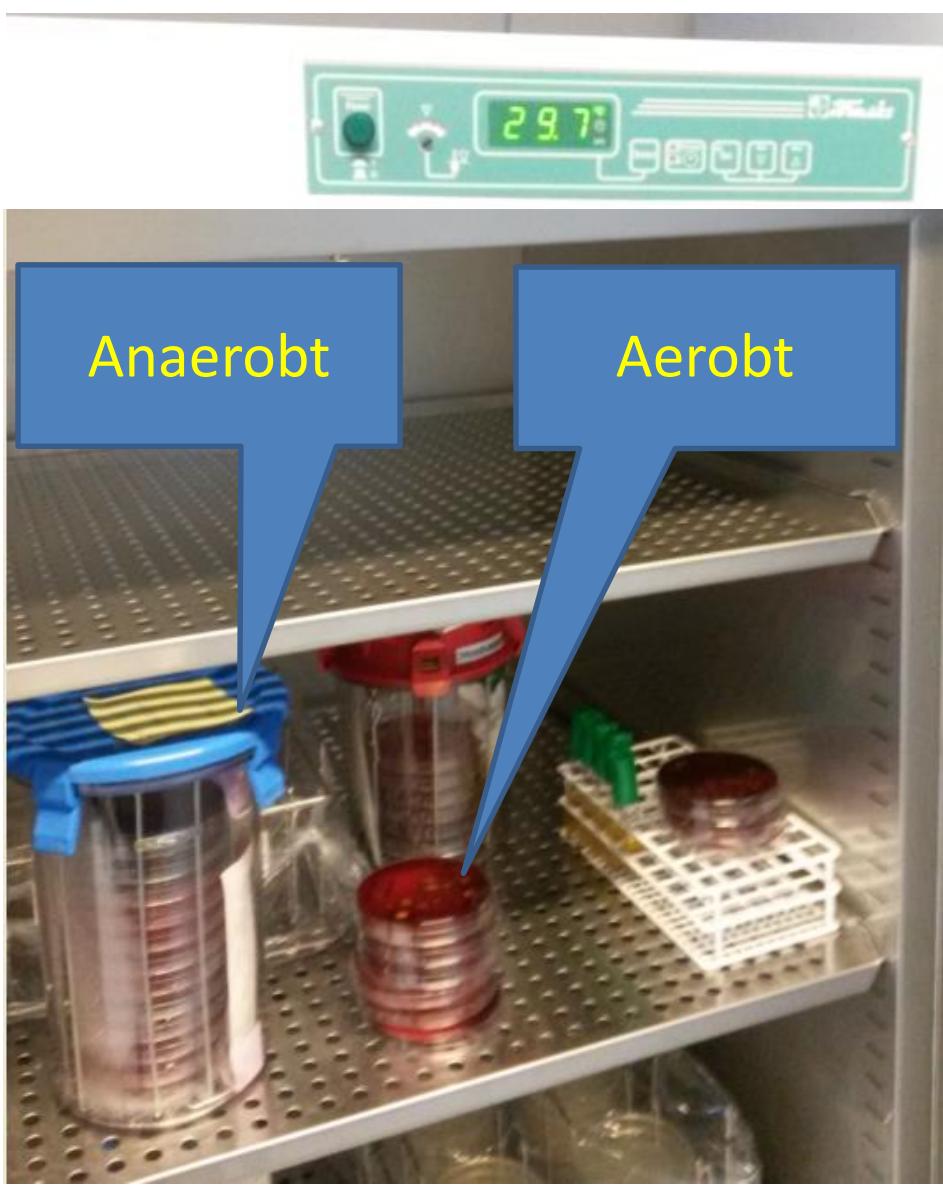
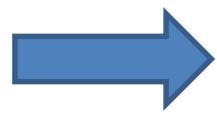
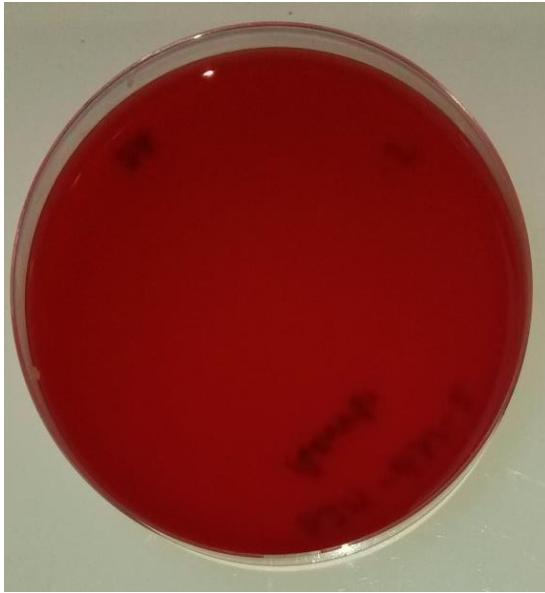
Bacteria on the surface of the meat

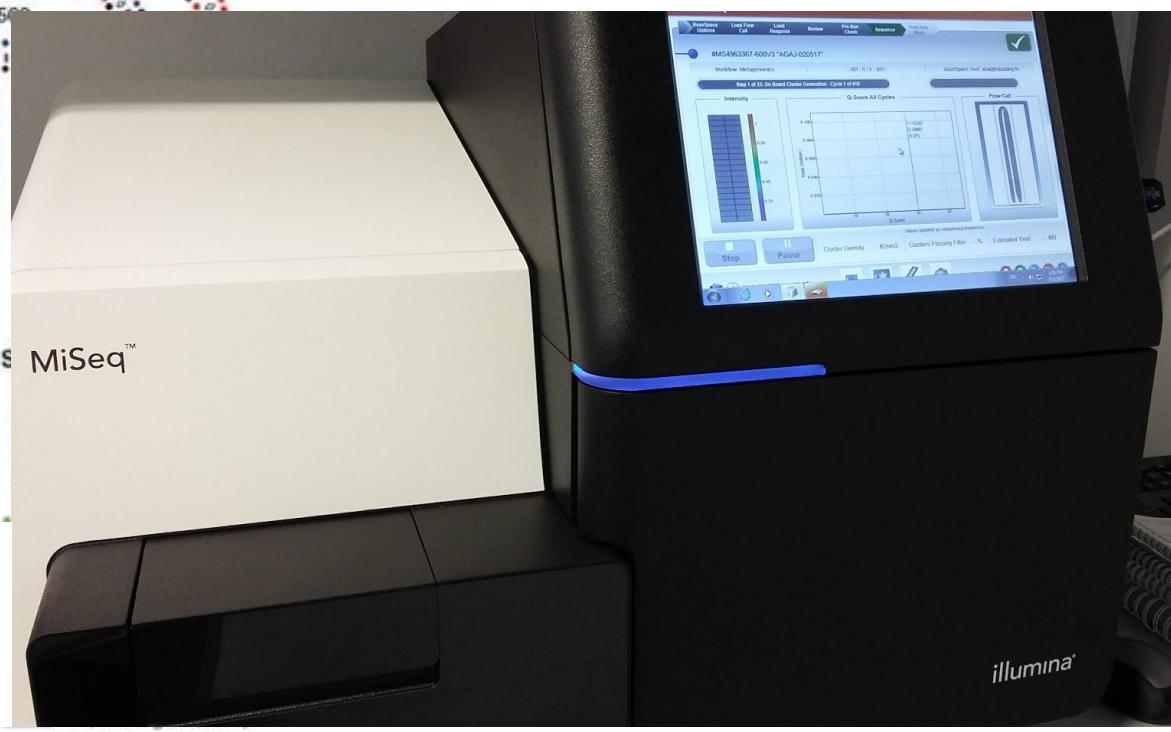
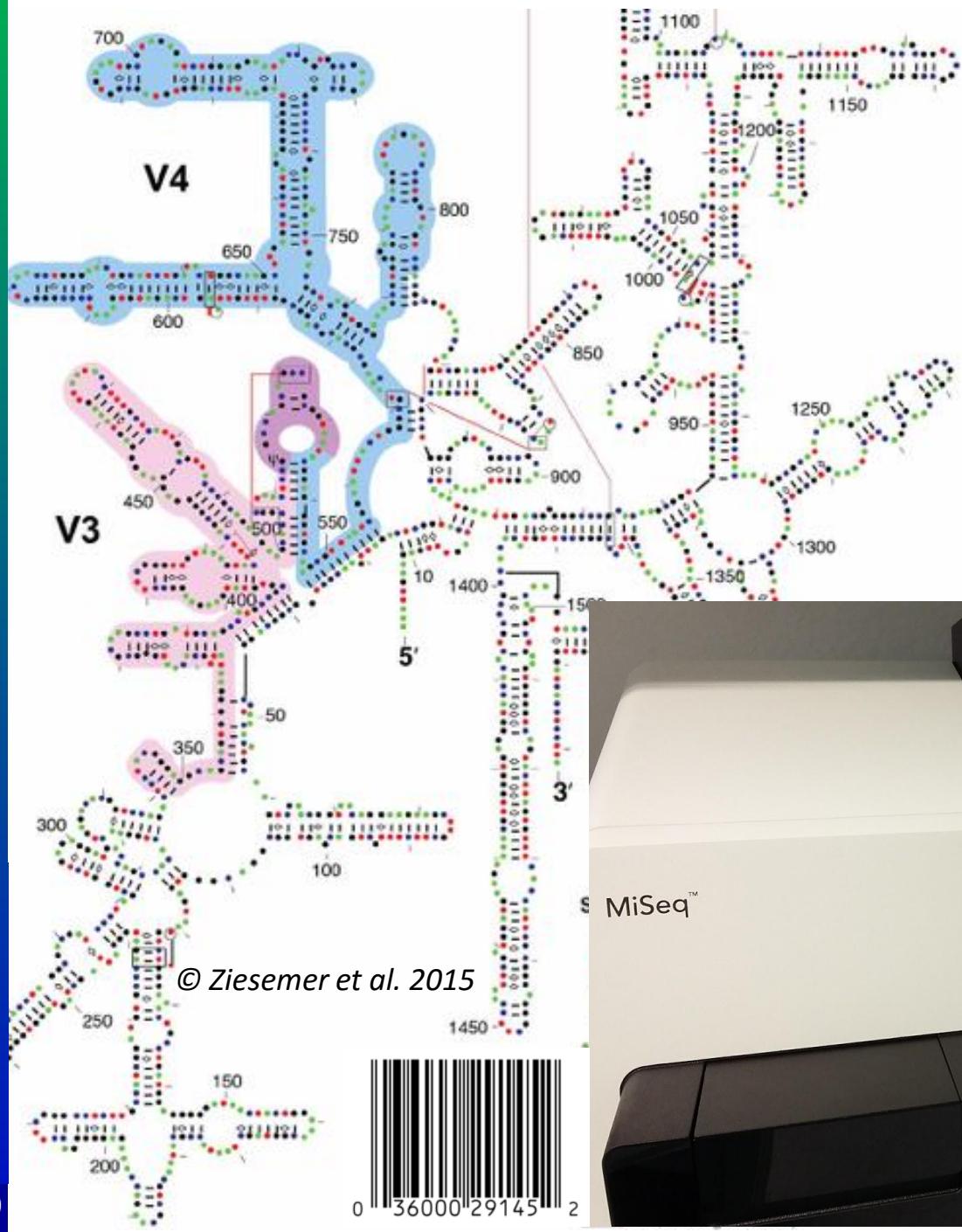


Bacteria in the meat



Beinta í Bø (1989); Mørkøre 2006







Keyptu 3 krov á heysti 2016



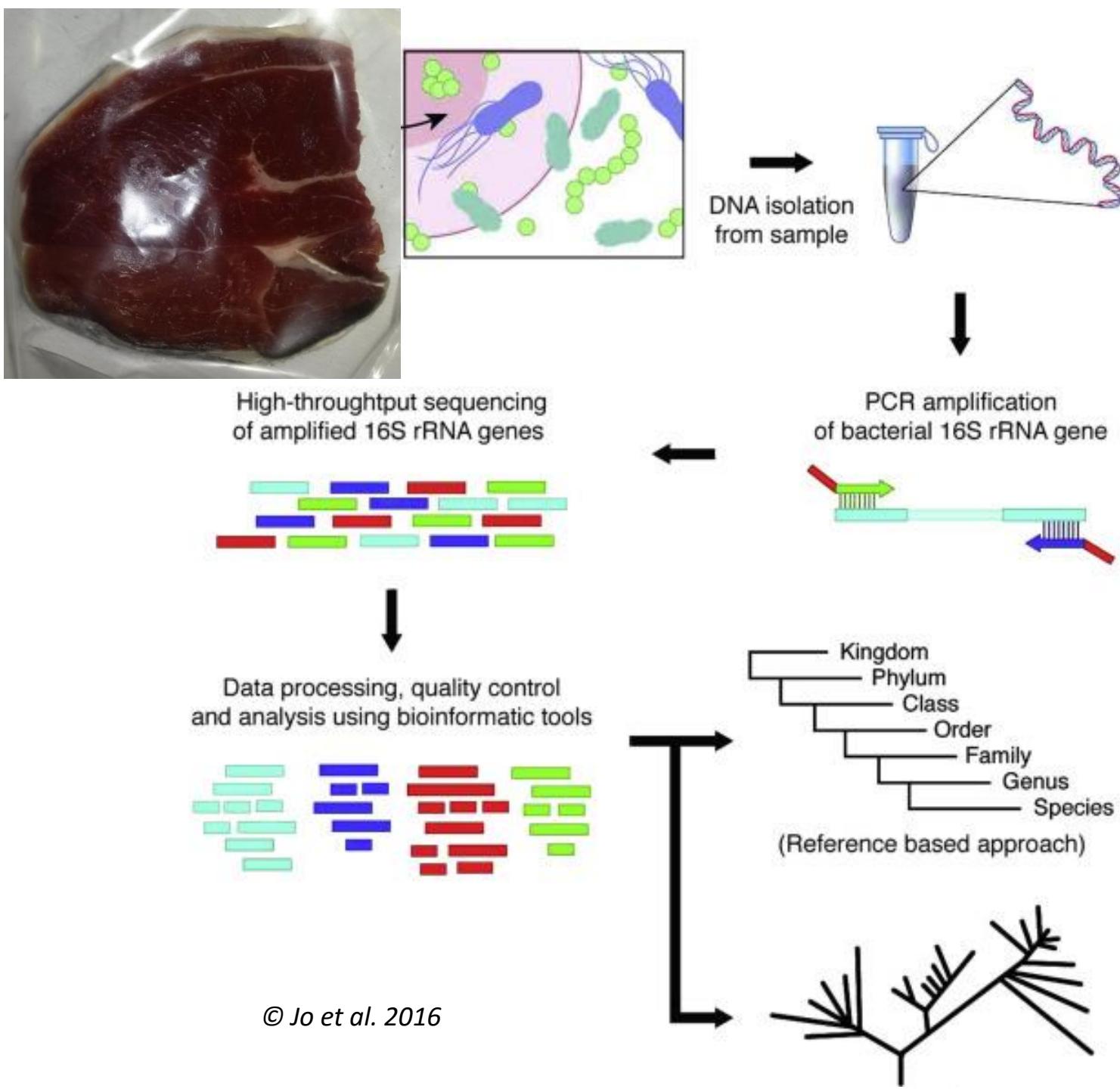
11. okt.

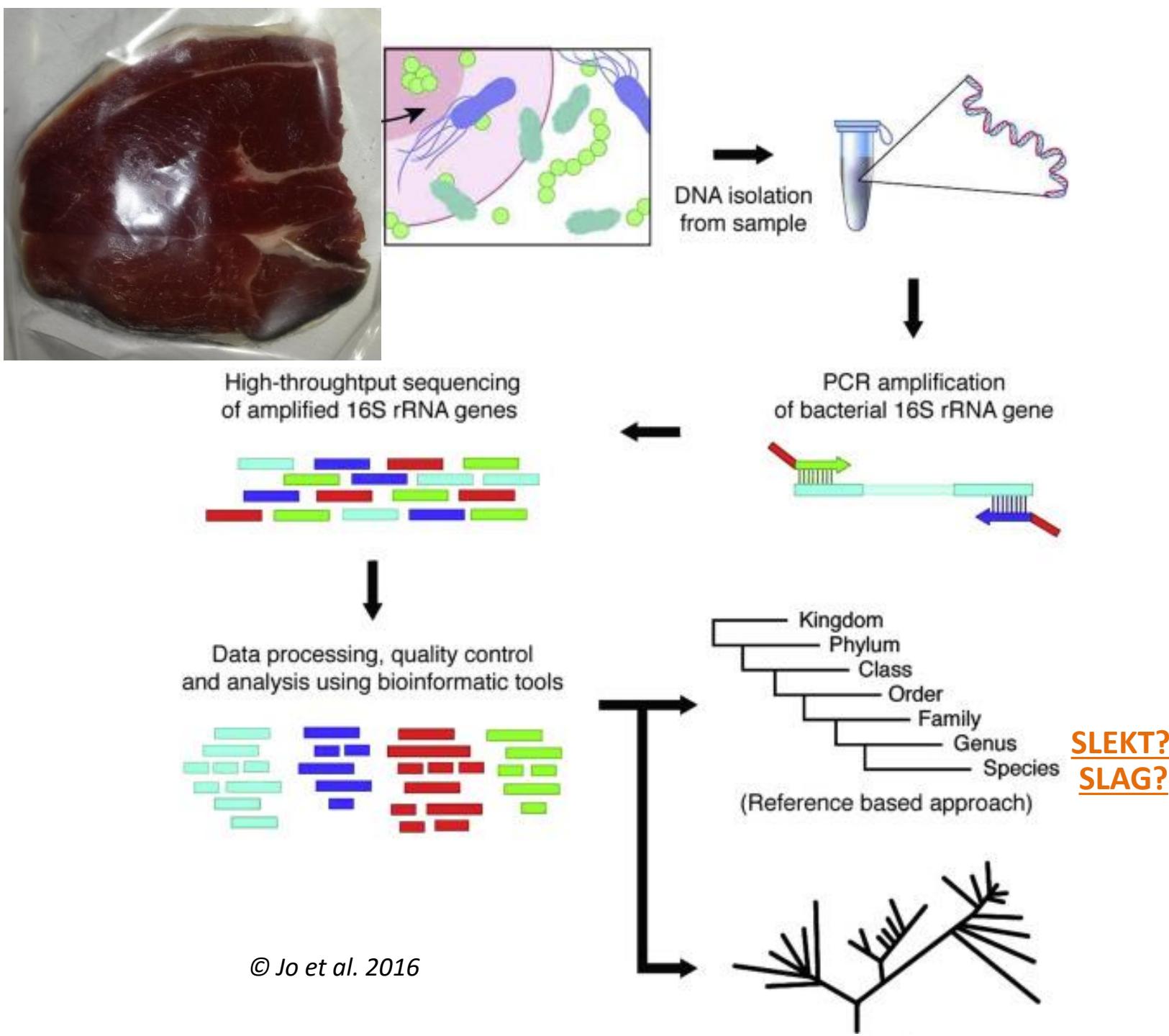
10. nov.

5. jan.

9. mars







ÚRSLIT

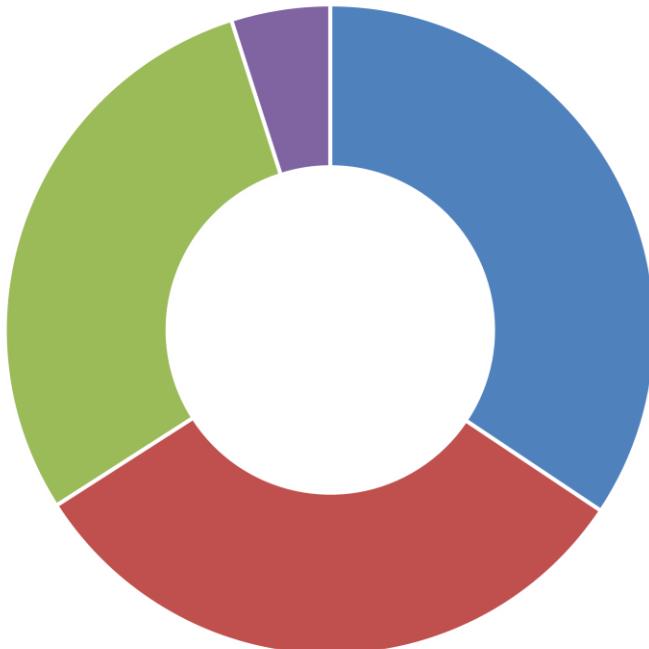
40 mió total reads

34 mió PF reads

81,5 % id (PF)

9 mió flokkaðir

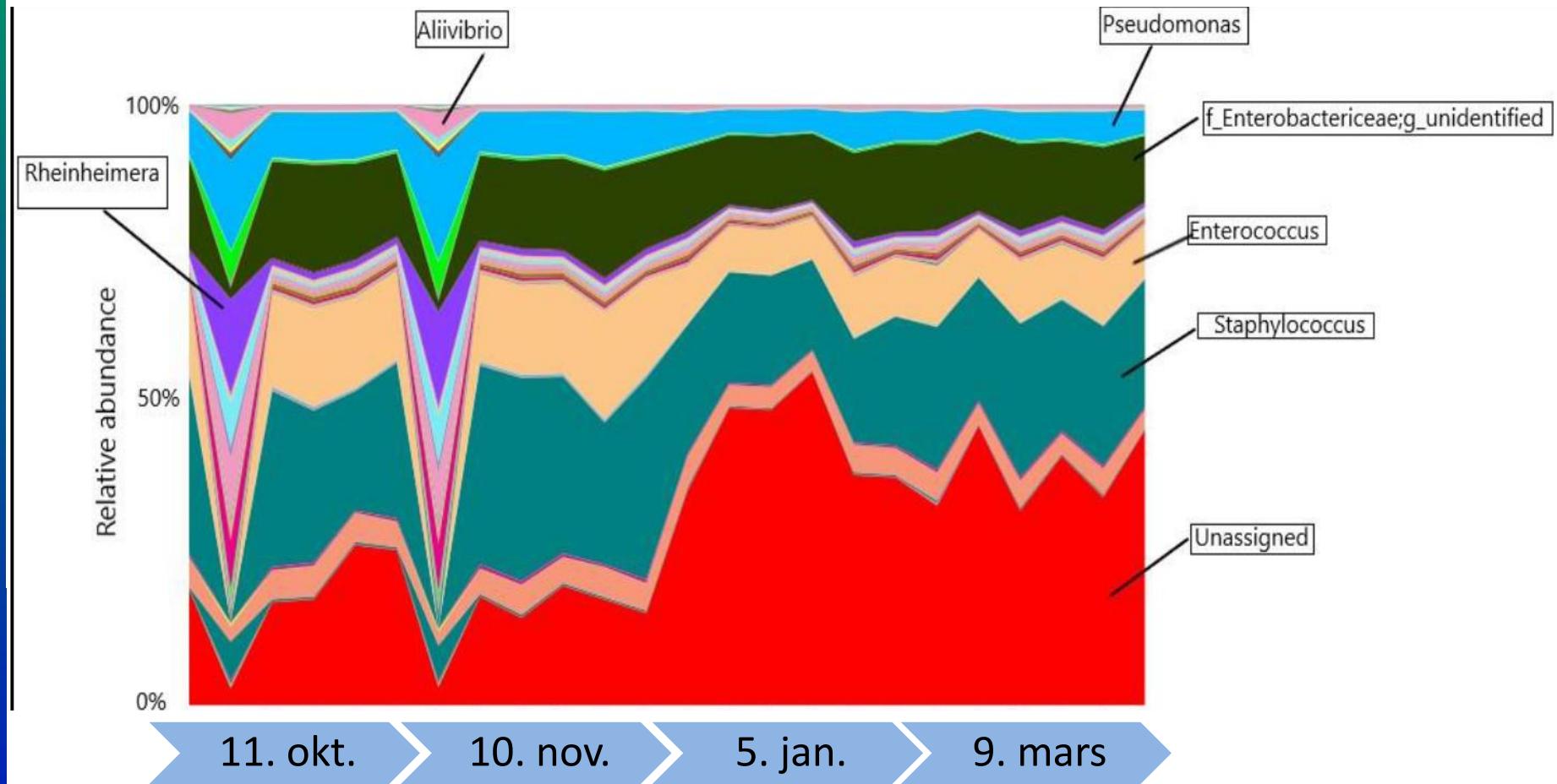
ÚRSLIT – Fylki (Phylum)



- Firmicutes 34,2%
- Proteobacteria 31,4%
- Unassigned 29%
- Bacteroidetes 4,9%

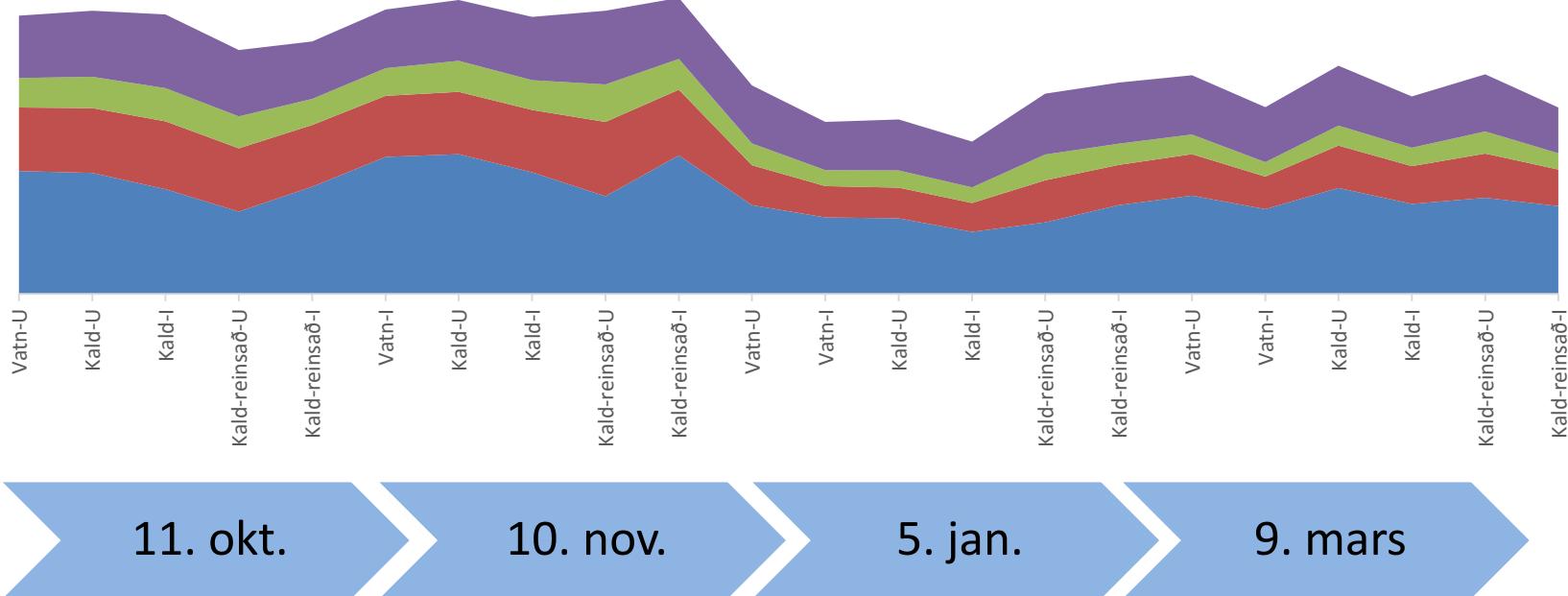
Kingdom	Ríki
Phylum	Fylki
Class	Flokkur
Order	Hópur
Family	Ætt
Genus	Slekt 97 % id
Species	Slag 98 – 99 % id

ÚRSLIT – Slekt (Genus)



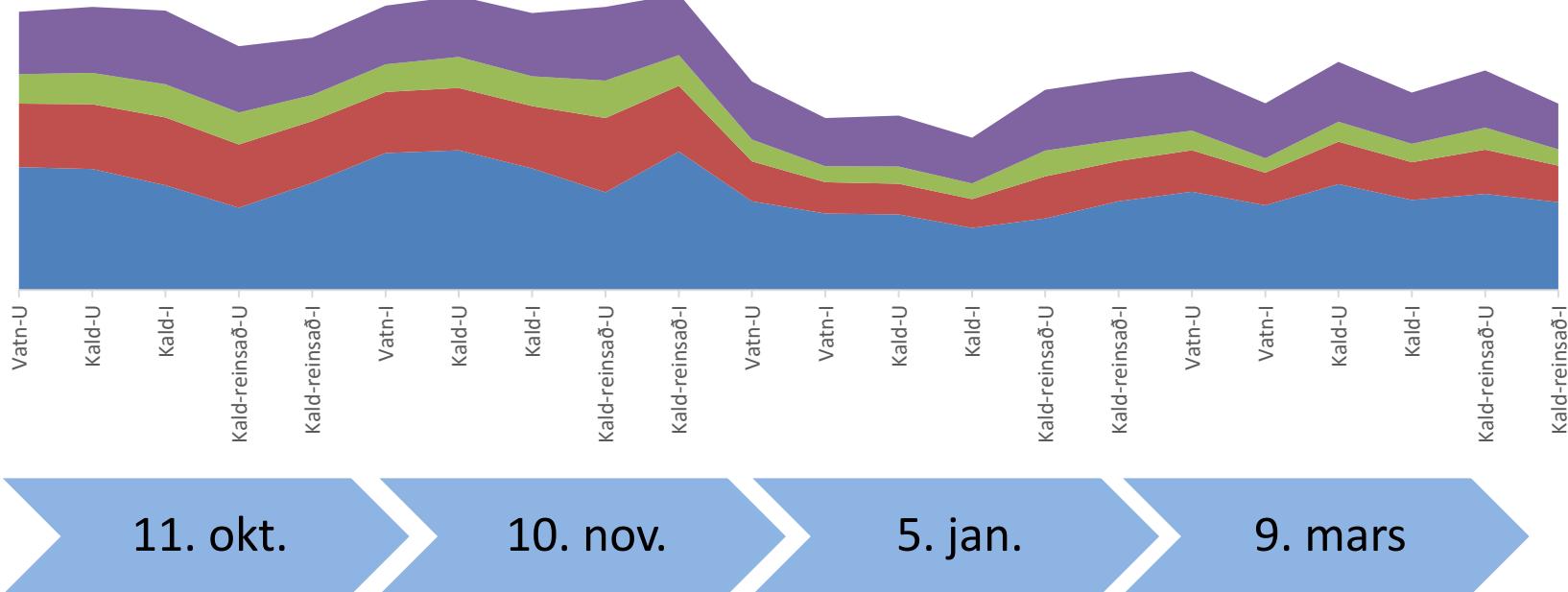
ÚRSLIT – Slekt (Genus)

- Enterobactericeae (unidentified genus)
- Pseudomonas
- Enterococcus
- Staphylococcus

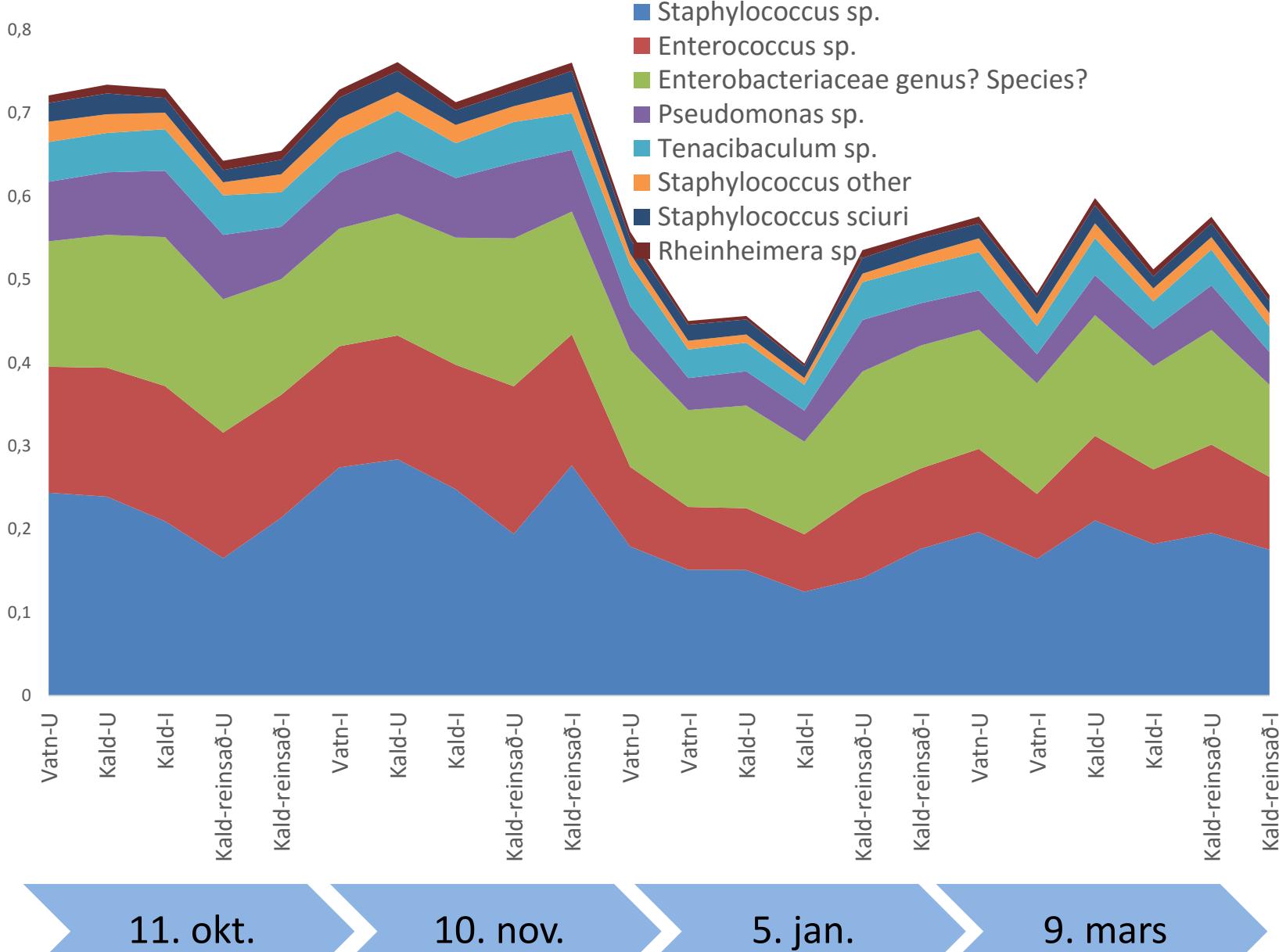


ÚRSLIT – Slekt (Genus)

- Enterobactericeae (unidentified genus)
- Pseudomonas
- Enterococcus
- Staphylococcus



590 Bakteriusløg, 88 id.



Bacterial diversity in the 2011 update of microorganisms with beneficial use.



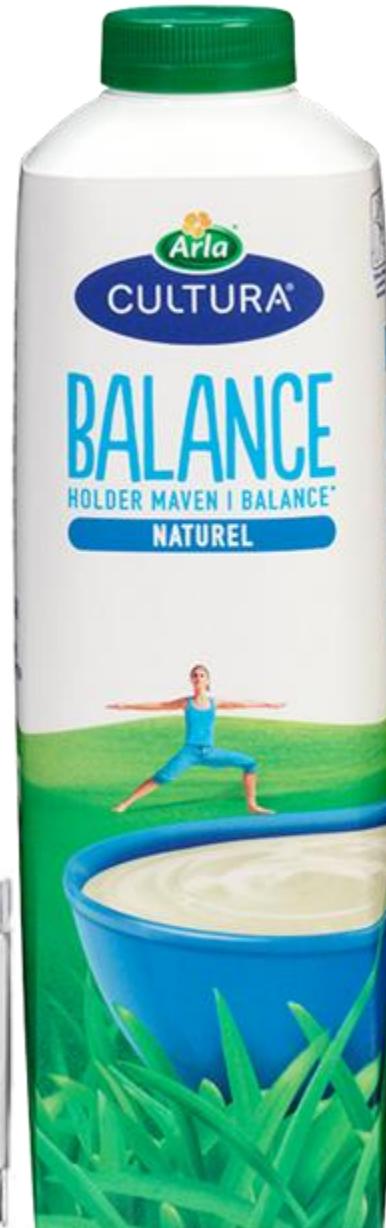
Phylum	Family	Genus	Species
Actinobacteria	<i>Bifidobacteriaceae</i>	<i>Bifidobacterium</i>	8
	<i>Brevibacteriaceae</i>	<i>Brevibacterium</i>	3
	<i>Corynebacteriaceae</i>	<i>Corynebacterium</i>	4
	<i>Dermabacteraceae</i>	<i>Brachybacterium</i>	2
	<i>Microbacteriaceae</i>	<i>Microbacterium</i>	1
	<i>Micrococcaceae</i>	<i>Arthrobacter</i>	4
		<i>Kocuria</i>	2
		<i>Micrococcus</i>	2
	<i>Propionibacteriaceae</i>	<i>Propionibacterium</i>	5
	<i>Streptomycetaceae</i>	<i>Streptomyces</i>	1
<i>Actinobacteria</i> —species			32
Firmicutes	<i>Bacillaceae</i>	<i>Bacillus</i>	3
	<i>Carnobacteriaceae</i>	<i>Carnobacterium</i>	3
	<i>Enterococcaceae</i>	<i>Enterococcus</i>	3
		<i>Tetragenococcus</i>	2
	<i>Lactobacillaceae</i>	<i>Lactobacillus</i>	84
		<i>Pediococcus</i>	3
	<i>Leuconostocaceae</i>	<i>Leuconostoc</i>	12
		<i>Oenococcus</i>	1
		<i>Weissella</i>	9
	<i>Staphylococcaceae</i>	<i>Macrococcus</i>	1
<i>Firmicutes</i> —species	<i>Streptococcaceae</i>	<i>Staphylococcus</i>	15
		<i>Lactococcus</i>	3
		<i>Streptococcus</i>	3
	<i>Acetobacteraceae</i>	<i>Acetobacter</i>	9
	<i>Enterobacteriaceae</i>	<i>Gluconacetobacter</i>	9
		<i>Hafnia</i>	1
		<i>Halomonas</i>	1
		<i>Zymomonas</i>	1
	<i>Sphingomonadaceae</i>		
<i>Proteobacteria</i> —species			21
Total number of species			195

Mjólkarsýrubakteriur?

Lactobacillales 12 (7 – 18) %

Sjúkuelvandi bakteriur?

- ÷ *Clostridium botulinum*?
- ÷ *Listeria monocytogenes*?
- Staphylococcus aureus*





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Fígging frá Granskingaráðnum



Spurningar

