

# Bakteriusamfelög í køligoymsluni

Aliráðstevnan

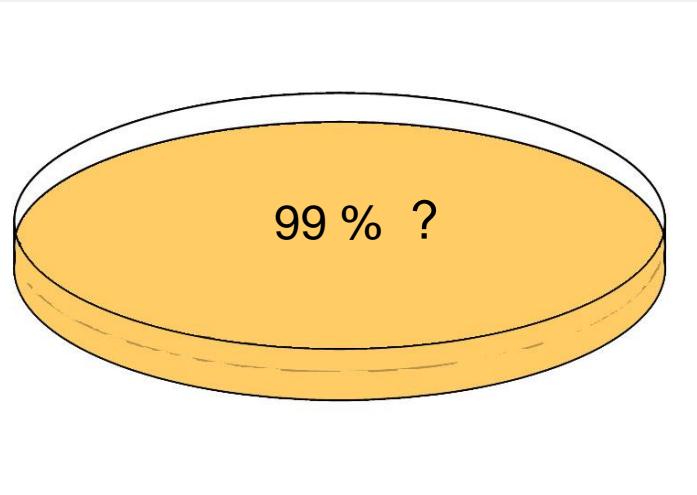
2. mars 2018

Ása Jacobsen  
Fiskaaling

# Bakteriusamfeløg

- Hvat meinast við “bakteriusamfeløg”
- Royndaruppseting
- Úrslit

# Útvaldar bakteriur



Ofta fokus á ávísum bakterium

Bert áleið 1 % av bakteriunum kunnu vaksa á agar

Hini 99 % síggjast ikki

Samfelagið sæst tískil heldur ikki

# Bakteriusamfelag

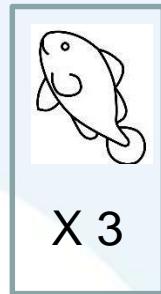
- + Allar bakteriur verða sæddar
- + Lutvísa býti



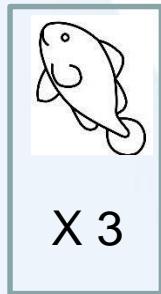
- Íkki nevv lýsing  
av einkulta slagnum

# Royndar upsetting

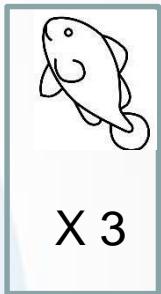
1



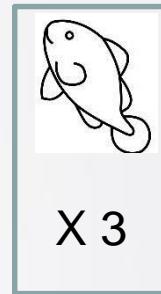
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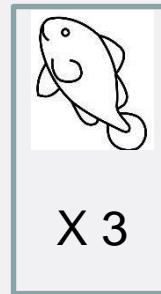
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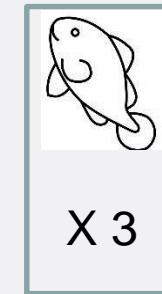
4



5



6



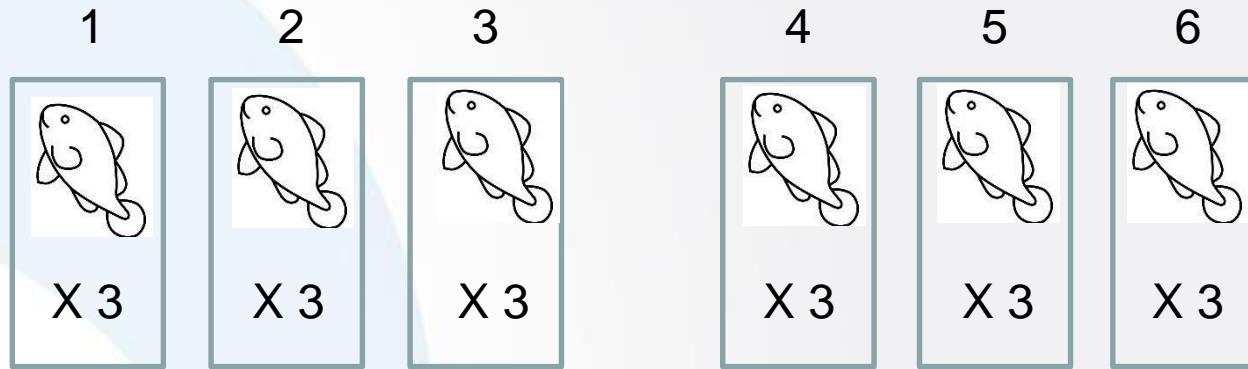
Eyka skol

Ikki eyka skol

Á køligoymslu í 7 dagar

Sýni

# Kanningar



## Sýni

Dag 1: Slipa

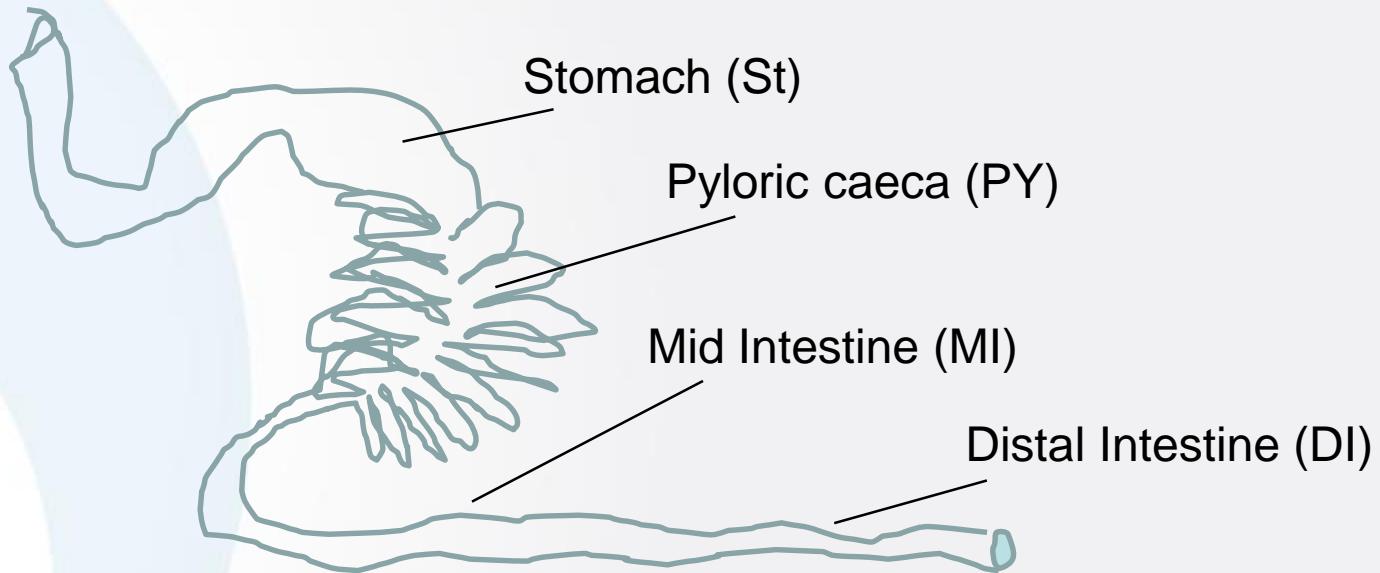
Dag 2, 3, 4 og 7: Slipa  
Búkhola  
Goymslu ísur

## Kanningar

Bakteriusamfelag

Enzym aktivitetur

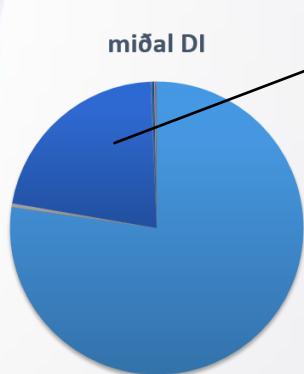
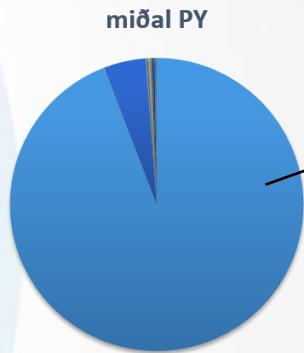
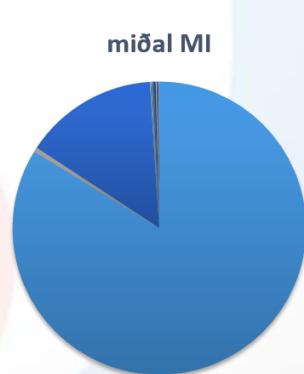
# Kanningar



Dag 1: Sýni frá tarmskipanum tikin við slátur (12 laksir)

Kanningar: Bakteriusamfelag og enzym aktivitetur

# Tarmskipanin



## *Mycoplasmataceae*

- Familja við nögvum bakterium
- Finnast í nögvum djóraslögum
- Vanligt í laksi

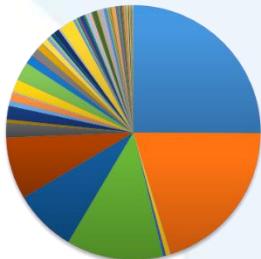
## *Aliivibrio*

- Finnast í nögvum marinum djóraslögum
- Bæði symbiont og patogen slög

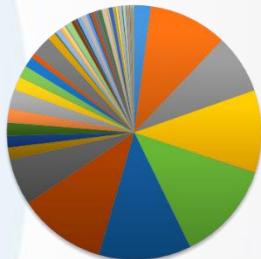
# Búkholan

6 goymslukassar: Miðal fyrir fleiri dagar á køligoymslu

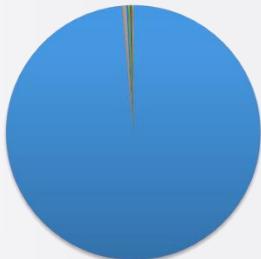
miðal B1



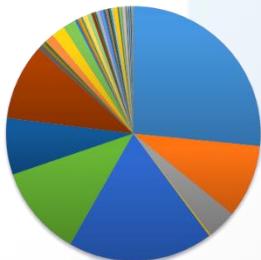
miðal B2



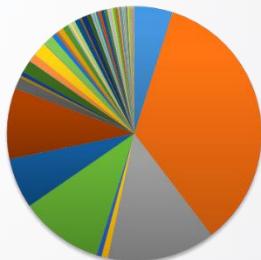
miðal B3



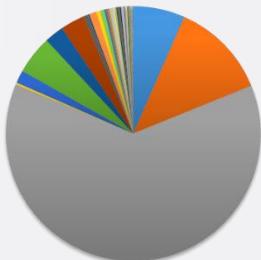
miðal B4



miðal B5

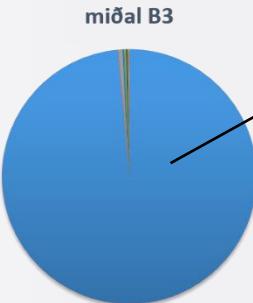
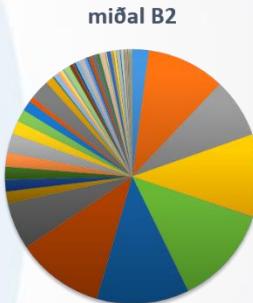
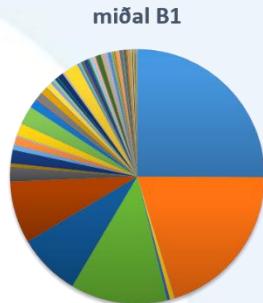


miðal B6

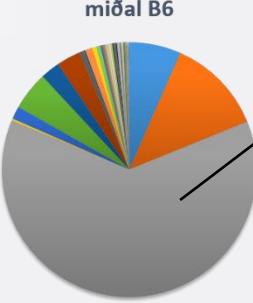
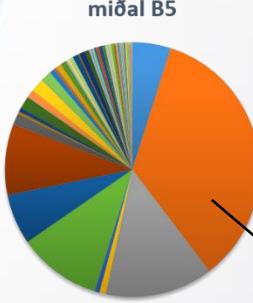
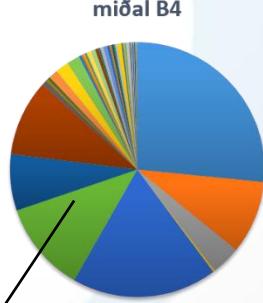


# Búkholan

6 goymslukassar: Miðal fyrir fleiri dagar á köligoymslu



*Mycoplasmataceae*  
- eins og í tarm sýnunum



*Photobacterium*  
- Marinar bakteriur  
- Finnast uttan á og innan í nögvum fiskaslögum

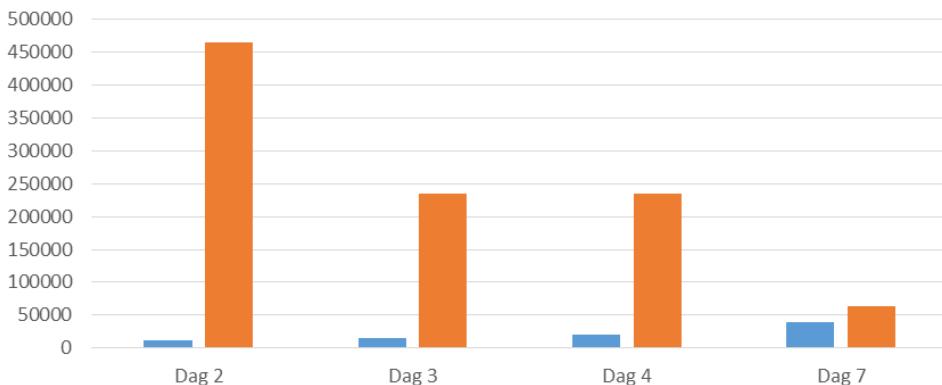
*Enterobacteriaceae*

- Nógv harmleys og summi patogen slög

Unassigned

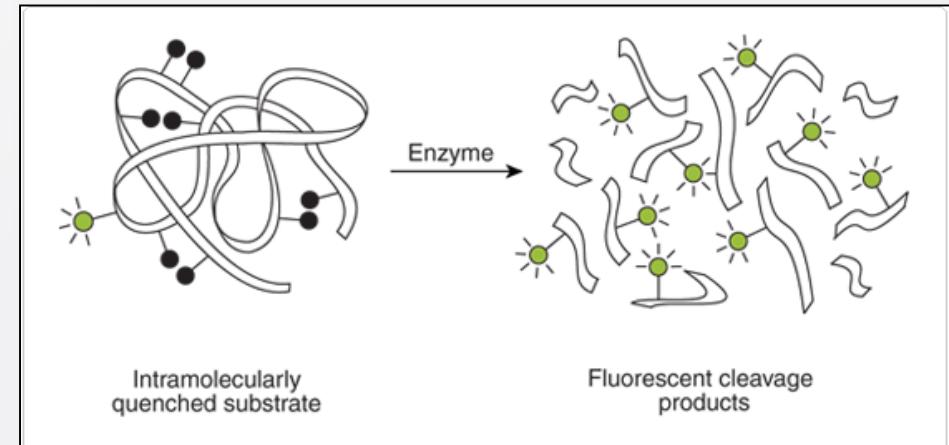
# Enzym aktivitetur

Gelatinasu aktivitetur í búkholuni



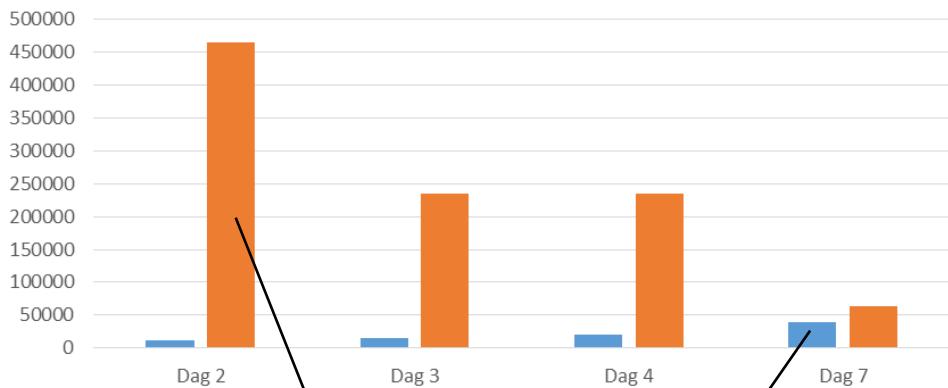
Gelatinasur kunnu niðurbróta bindivevnað í flakinum

- Finst í högum mongdum í tarmum og blóðið
- Bakteriur gera eisini gelatinasur



# Enzym aktivitetur

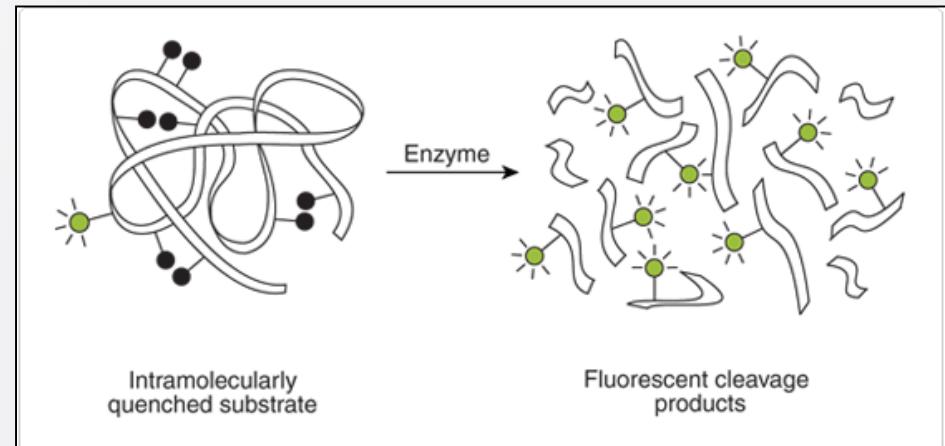
Gelatinasu aktivitetur í búkholuni



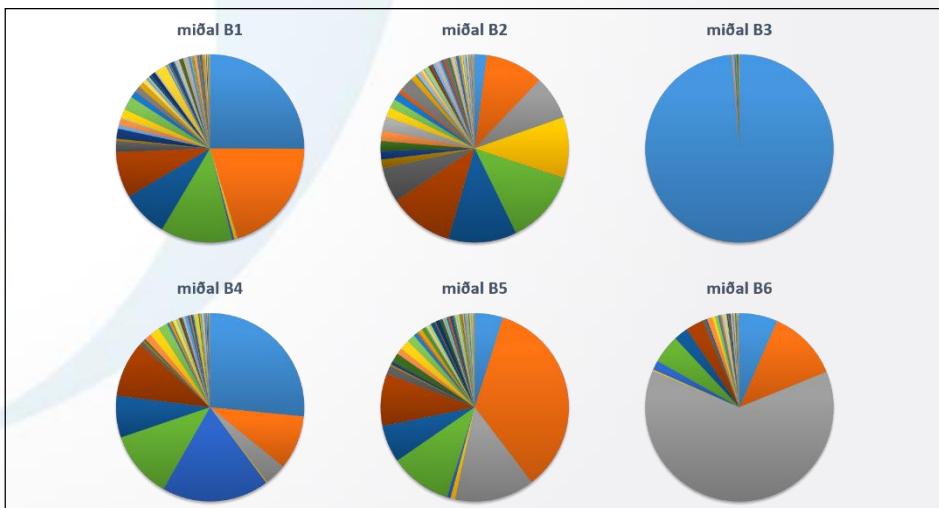
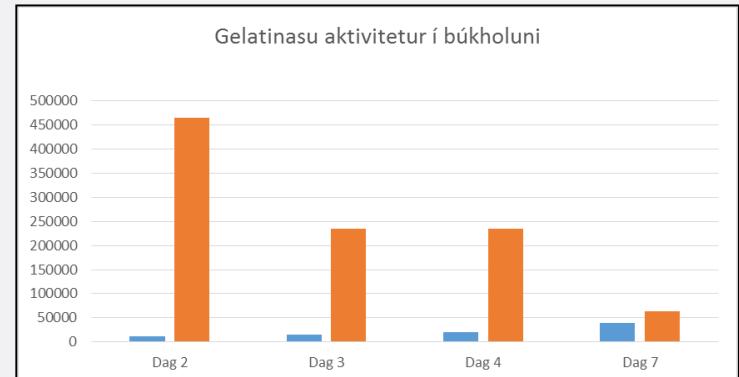
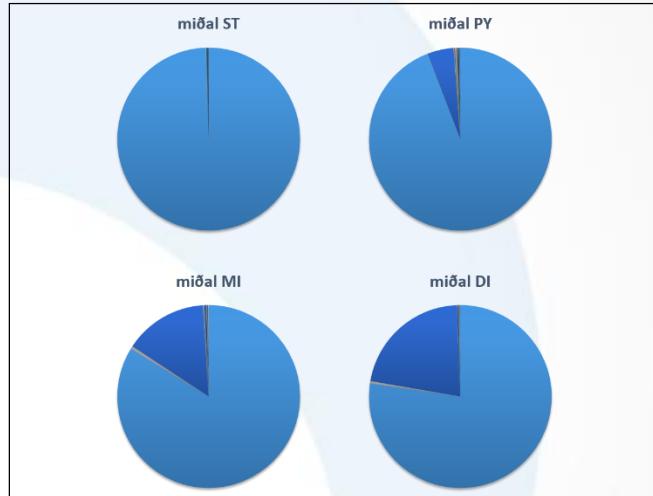
Goymslukassi 3

Miðal fyrir hinar 5 goymslukassarnar

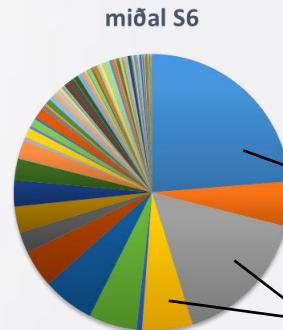
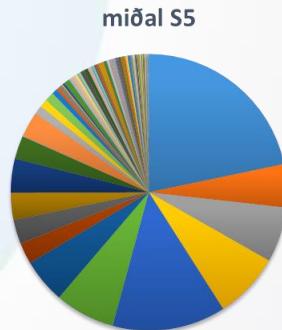
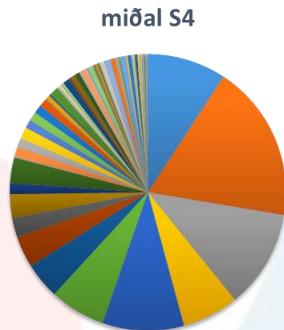
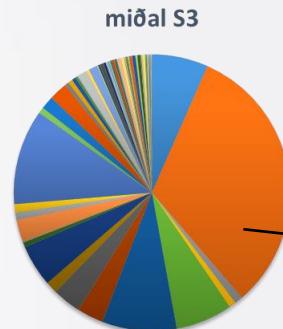
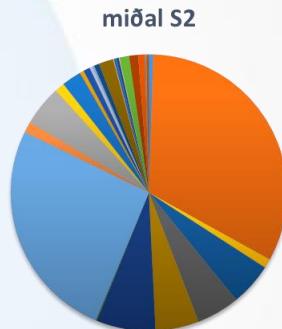
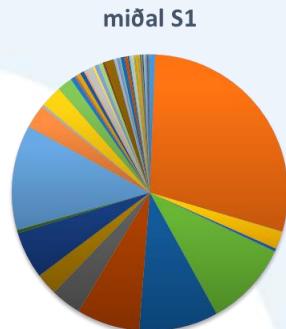
Gelatinasur kunnu niðurbróta bindivevnað í flakinum



# Sporføri



# Ávirkan á slipu



Eyka skol

Unassigned

Ikki eyka skol

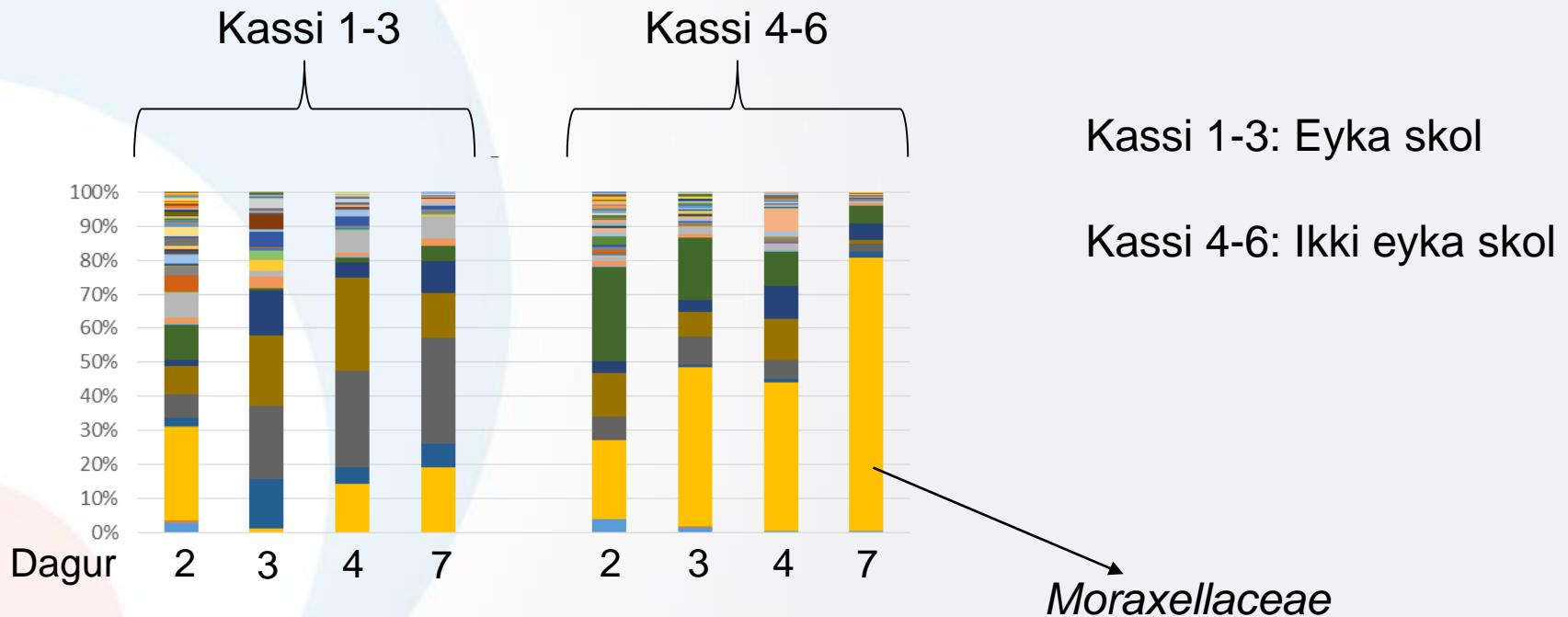
*Mycoplasmataceae*

*Moraxellaceae*

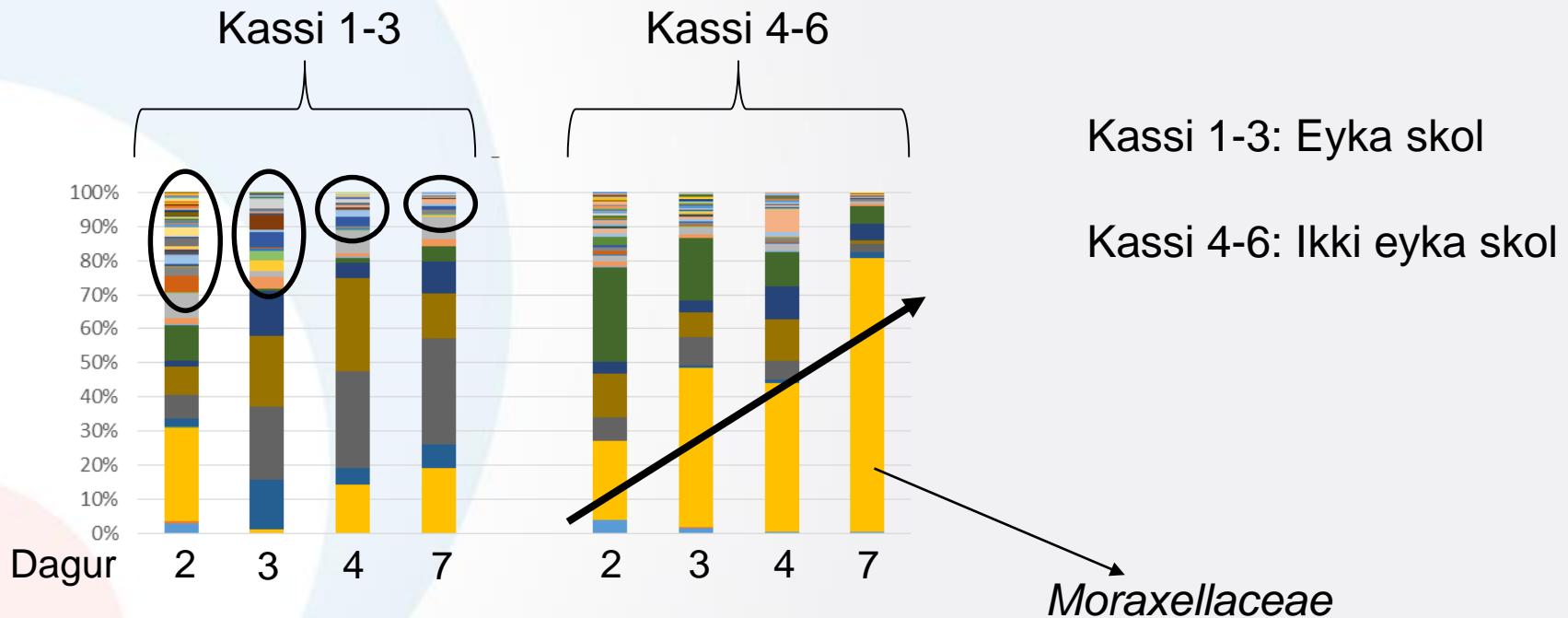
*Photobacterium*

Eyka skol => minni frá tarminum, minni marint

# Dynamikkur í ísinum



# Dynamikkur

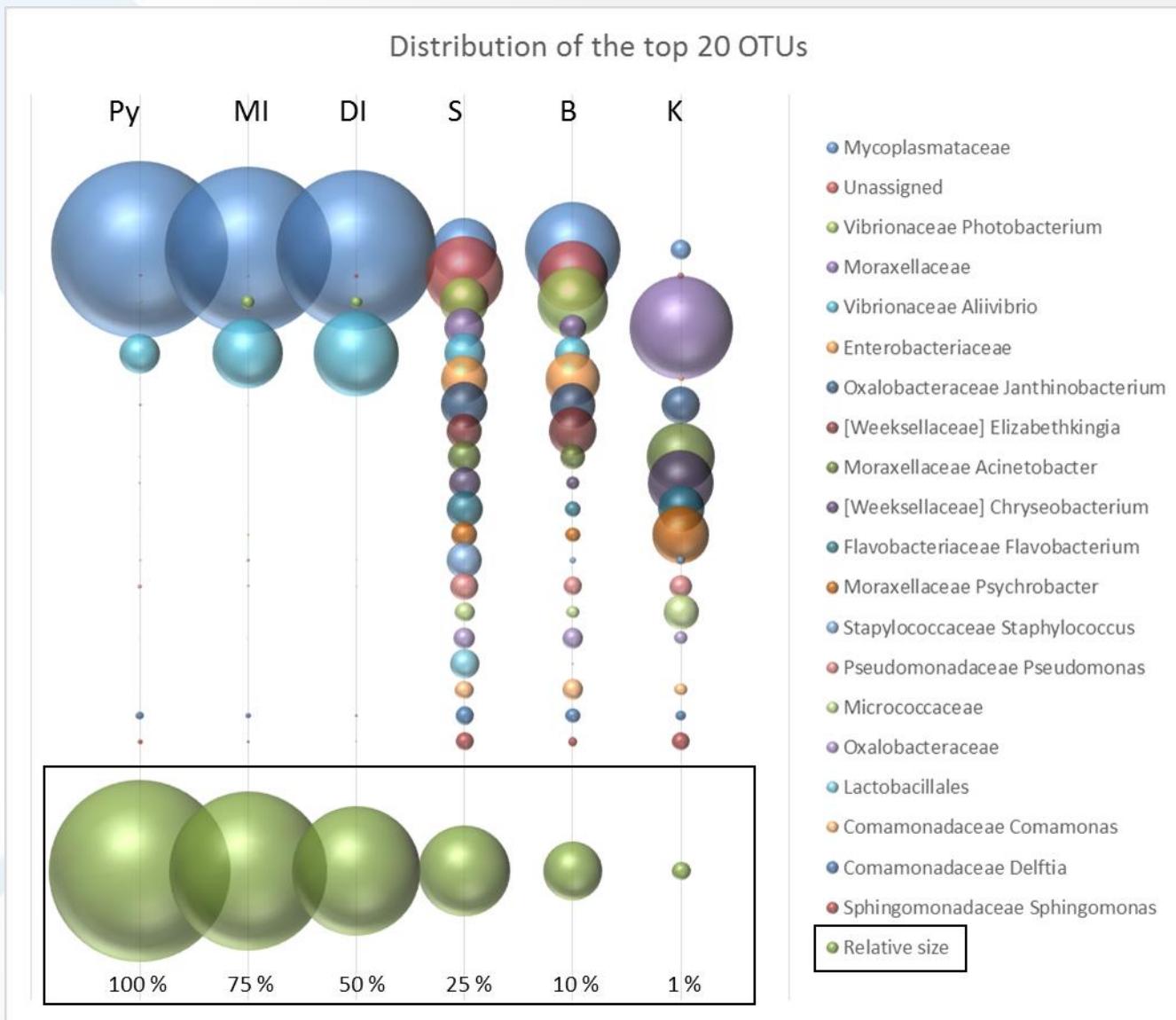


Bakteriusamfelagið broytist við tíðini

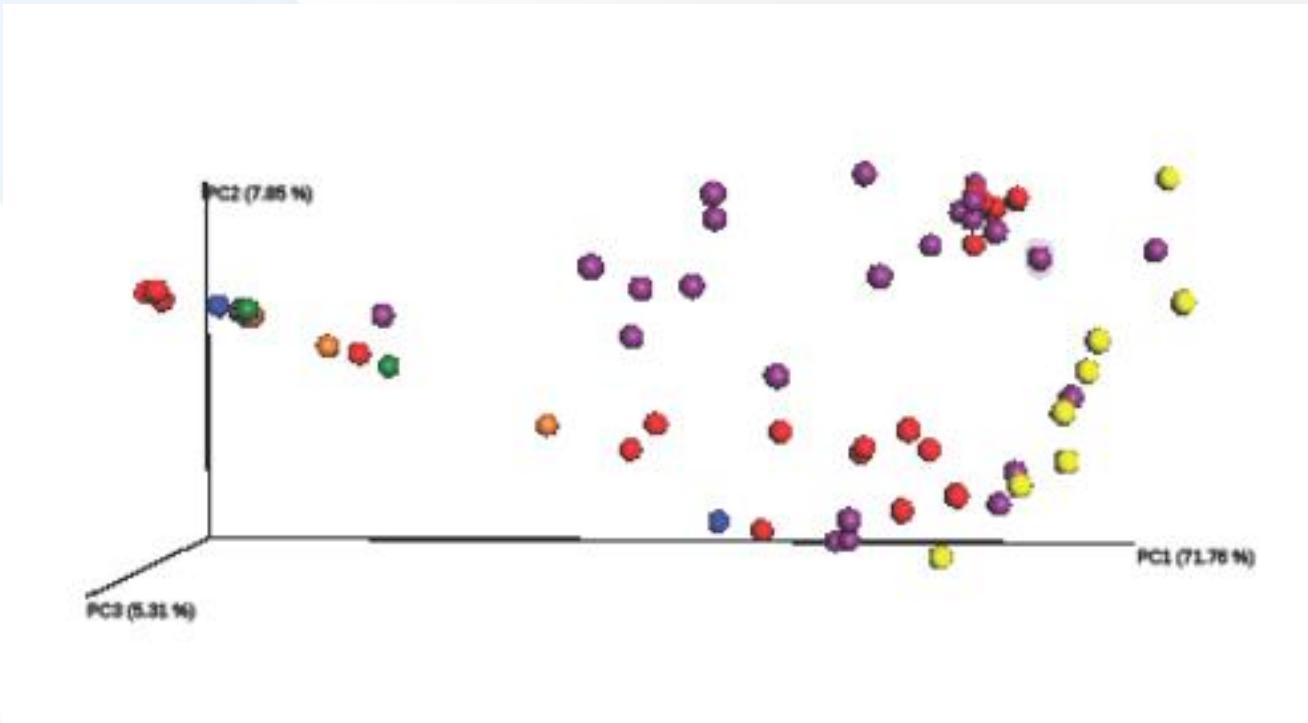
- Minni og minni variatión
- *Moraxellaceae* økist í kassa 4-6
- *Moraxellaceae* var mest í slipuni á fiskinum frá kassa 4-6

# Yvirlit

Distribution of the top 20 OTUs

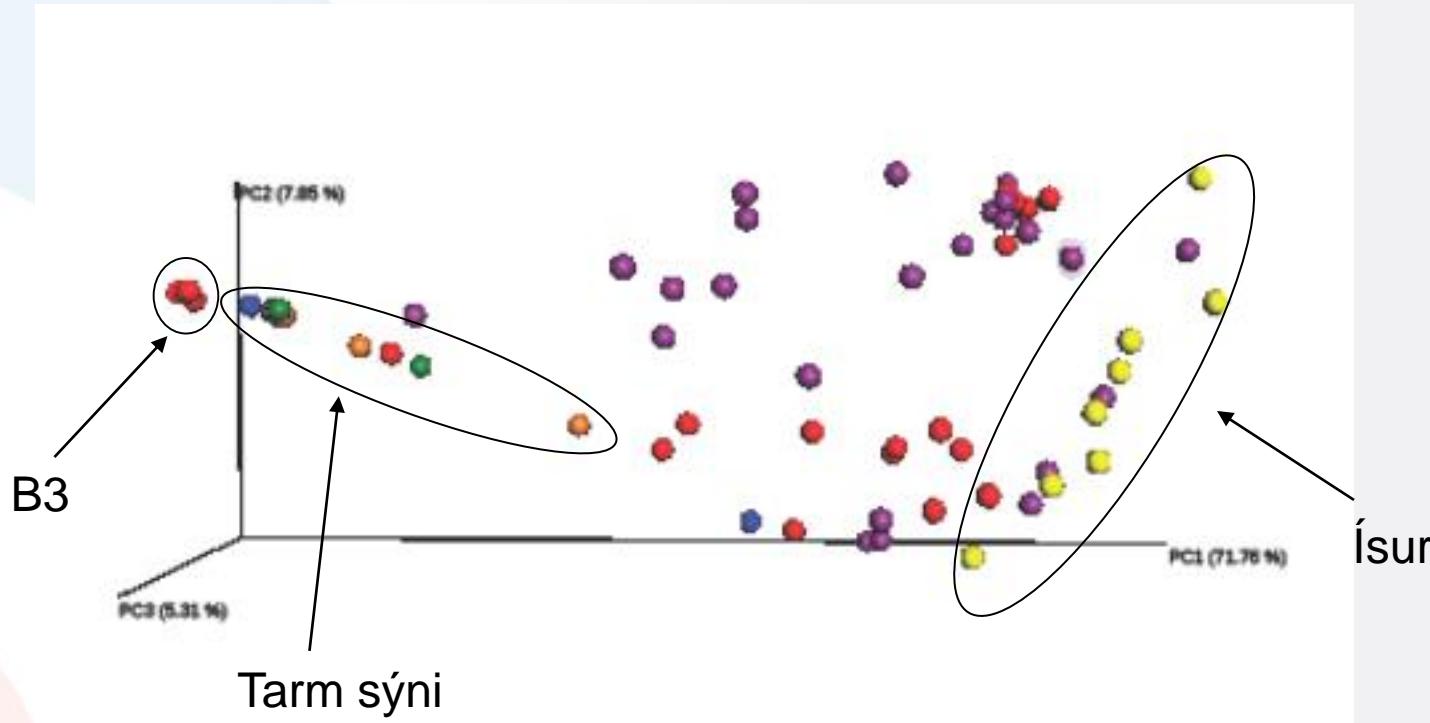


# Yvirlit



Hvørji sýni líkjast nógv og hvørji eru ymisk

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Hvørji sýni líkjast nógv og hvørji eru ymisk

Takk fyrir at tit lýddu á

**FISKIVINNU  
GRANSKING**

 FRÓÐSKAPARSETUR  
FØROYA



**BAKKAFROST**  
ESTABLISHED 1988

 granskingsráðið THE FAROESE RESEARCH COUNCIL