ᔩᓂᔅ II
ᖃᐅᔨᓴᒃᑲᓐᓂᕐᓂᖅ ᖃᐅᔨᓴᖅᑕᐅᓯᒪᔪᓂᒃ ᓄᓇᒥᙶᖅᑐᓂᒃ ᐅᖅᓱᐊᓗᖕᒥ ᑯᕕᔪᖃᖅᑎᓪᓗᒍ ᑭᐅᒋᐊᕈᑕᐅᓗᓂ

ᖃᓄᐃᓕᐅᕈᑕᐅᔪᒪᔪᑦ ᐅᑭᐅᖅᑕᖅᑐᒥ (2021-2027)

ᐱᓕᕆᐊᒃᓴᒧᑦ ᑎᑭᑕᐅᔪᒪᔪᑦ
ᑐᕌᕆᔭᐅᔪᖅ ᔨᓂᔅ II−ᒧᑦ ᐃᓕᑦᑎᔪᒪᓂᐅᕗᖅ ᖃᓄᐃᓕᐅᖅᑐᖃᖅᐸᖕᒪᖔᑦ ᐅᖅᓱᐊᓗᖕᒥᒃ ᑯᕕᔪᖃᕐᓂᖓᓄᑦ
ᐅᒥᐊᕐᔪᐊᓂᑦ ᐅᑭᐅᖅᑕᖅᑐᒥ ᐃᒪᕆᔭᐅᔪᓂᑦ, ᖃᓄᕐᓗ
ᓄᓇᓕᖕᓂ−ᑐᙵᕕᓖᑦ ᓇᐅᑦᑎᖅᓱᖅᓯᓂᕐᒧᑦ (CBM−ᑯᑦ)
ᐃᓚᒋᔭᐅᔪᓐᓇᕐᒪᖔᑕ ᐅᖅᓱᐊᓗᖕᒥᒃ ᑯᕕᔪᖃᕐᓂᖓᓄᑦ
ᐱᕙᒌᔭᐃᓂᕐᒥᒃ ᑭᐅᓯᓂᕐᒥᒡᓗ ᐃᒡᓗᓕᒑᕐᔪᖕᒥ.

ᖃᐅᔨᓴᕐᓂᕐᒧᑦ ᓇᐃᓈᖅᓯᒪᔪᑦ

ᐱᓕᕆᔨᕗᑦ ᐃᒡᓗᓕᒑᕐᔪᖕᒧᐊᓚᐅᖅᐳᑦ ᒪᐃ 2025−ᒥ. ᖁᕕᐊᓱᓚᐅᖅᐳᒍᑦ ᐅᑎᕆᐊᒃᓴᖅ ᓄᓇᓕᖕᓄᑦ

. ᐅᕝᕙᐅᑯᐊ
ᓇᐃᓈᖅᓯᒪᔪᑦ ᖃᓄᐃᓕᐅᓚᐅᕐᓂᑦᑎᓐᓂᒃ

.

2 0 25

ᐱᖓᔪᖓᓐᓂ ᖃᐅᔨᒪᓂᕐᒧᑦ ᐱᕙᓪᓕᐊᑎᑦᑎᓂᕐᒧᑦ ᐃᓕᓐᓂᐊᖅᓯᓐᓈᑦ ᑲᑎᒪᑎᑦᑎᓚᐅᖅᐳᒍᑦ ᐊᒻᒪ ᑐᙵᓱᒃᑎᑦᑎᓪᓗᑕ ᖃᐅᔨᓴᖅᑕᑦᑎᓐᓂᒃ ᑕᑯᒃᓴᐅᑎᑦᑎᔪᒪᓪᓗᑕ.

ᑳᑐᕆᓐ ᐳᕋᐃᔫ (PhD ᐃᓕᓐᓂᐊᖅᑎ) ᐅᓂᒃᑲᐅᓯᖃᓚᐅᖅᐳᖅ ᖃᐅᔨᓴᖅᑕᒥᓂᒃ ᐱᓕᕆᔾᔪᑎᑦ ᐱᓕᕆᐊᒃᓴᖏᓐᓂᒃ
ᐅᑭᐅᖅᑕᖅᑐᒥ ᖃᐅᔨᓴᕐᓂᕐᒥᒃ.
ᐳᓛᕆᐊᓚᐅᖅᐳᒍᑦ ᐃᓕᓐᓂᐊᖅᑎᓂᒃ ᖃᐅᔨᓴᖅᑐᓕᕆᓂᕐᒧᑦ ᐃᓕᓐᓂᐊᕐᕕᐊᕈᓯᕐᒥ ᕕᒃᑐ ᓴᒻᒧᖅᑐᖅ ᐃᓕᓐᓂᐊᕐᕕᖕᒥ ᐅᓂᒃᑲᐅᓯᖃᖅᖢᑕᓗ ᖃᐅᔨᓴᕐᓂᕆᔭᑦᑎᓐᓂᒃ.

'AlgaeWatch' ᓵᓚᖃᕋᓱᐊᖅᑎᑦᑎᓚᐅᖅᐳᒍᑦ ᐅᐱᕐᙶᒃᑯᑦ 2025−ᒥ. ᐃᒪᕐᒥᐅᑕᑦ ᐱᕈᖅᑐᑯᑖᑦ ᐱᕈᒐᔪᒃᐳᑦ ᓯᑯᐅᑉ ᐊᑖᓂ, ᑭᓯᐊᓂ ᖃᖓ? ᐊᐱᕆᓚᐅᖅᐳᒍᑦ
ᐃᓄᖕᓂ ᓯᑯᒃᑯᑦ ᓴᖅᑭᑎᑕᖏᓐᓂᒃ
ᑕᑯᒃᓴᐅᑎᑦᑎᔪᓂᒃ ᓯᑯᓂᒃ ᐃᒪᕐᒥᐅᑕᓂᒃ
ᐱᕈᖅᑐᑯᑖᓂᒃ ᐱᑕᖃᙱᑦᑐᓂᒡᓗ.

ᐱᓕᕆᔨᕗᑦ

ᓴᐃᒪᓐ ᐊᒡᒐᖅ ᓂᑰᓪ ᕕᐅᓪᓴᓐ

ᐃᐅᕆᒃ ᑳᓕᓐᔅ

ᔮᓐ ᓯᓐᑭᓕᐅ

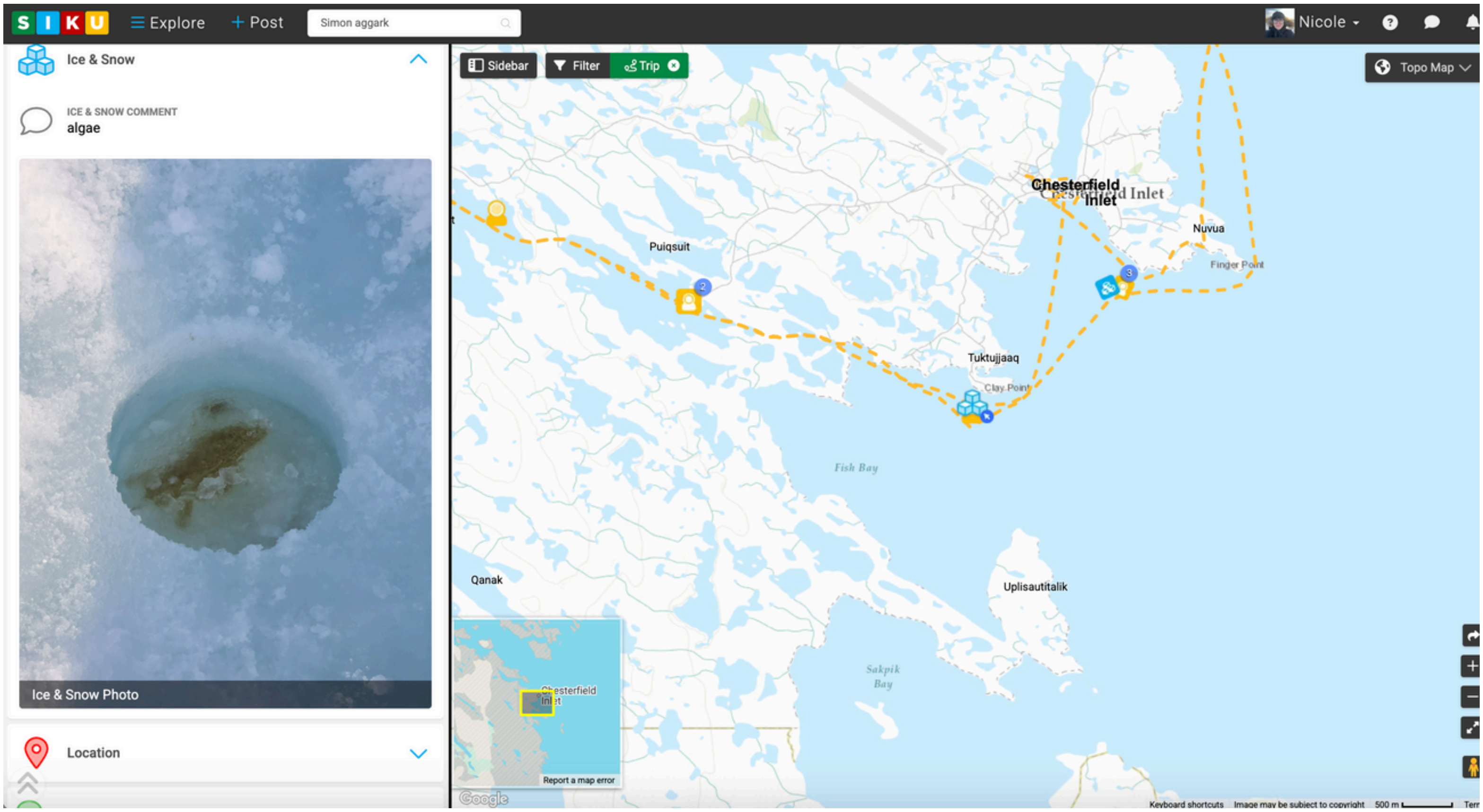
ᔪᐊᑕᓐ ᑕᑲᕐ ᑲᑕᕆᓐ ᐳᕋᐃᓲ

ᖃᐅᔨᓴᕈᑎᒃᓴᐃᑦ

ᒪᐃᖑᑎᓪᓗᒍ, ᓯᑯᒨᓚᐅᖅᐳᒍᑦ
ᐊᔪᕈᓐᓃᖅᓴᖅᖢᑕᓗ ᐃᒪᕐᒥᒃ ᖃᐅᔨᓴᒐᒃᓴᓂᒃ

ᓴᐳᔨᐃᑦ ᓇᐅᑦᑎᖅᓱᖅᑎᖏᓐᓂᒃ (ᐊᔾᔨᙳᐊᖅ
1)
ᑎᒍᓯᓚᐅᖅᑐᒍᑦ ᖃᐅᔨᓴᒐᒃᓴᓂᒃ ᐊᕐᕕᓂᓕᖕᓂ ᐃᓂᓂ (ᐊᔾᔨᙳᐊᖅ 2 ᐊᒻᒪ ᑭᑉᐹᕆᒃᓯᓕᖅᓯᒪᔪᖅ 1).

ᐊᔾᔨᖑᐊᖅ 1. ᐊᔾᔨᖑᐊᑦ ᓴᐳᔩᐃᑦ ᐸᖅᑭᔩᖏᑦ ᐊᒻᒪ UM ᐱᓕᕆᔩᖏᑦ ᑲᑎᖅᓱᐃᔪᑦ, ᖃᐅᔨᓴᒐᒃᓴᑦ, ᐊᒻᒪ ᖃᐅᔨᓴᒐᒃᓴᓕᕆᔪᑦ ᒪᐃ 2025-ᒥ. ᐊᔾᔨᓕᐅᕆᔨ: ᓂᑰᓪ ᐅᐃᓪᓴᓐ.



ICE & SNOW COMMENT
algae

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Nicole
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Ice & Snow Photo
Location
Sidebar
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Trip
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Nuvua
Finger Point
Puiqsuit
Tuktujjaaq
Clay Point
Fish Bay
Qanak
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ᐊᔾᔨᖑᐊᖅ 2. ᓯᑯ ᓴᖅᑭᑎᑕᖓ ᑕᑯᒃᓴᐅᑎᑦᑎᔪᖅ ᓇᒧᖓᐅᕙᓪᓕᐊᓂᕐᒧᑦ ᑐᓴᖅᑕᐅᔪᒃᓴᓂᒃ ᓄᓇᖑᐊᒥᒡᓗ ᖃᐅᔨᓴᒐᒃᓴᓂᒃ ᐃᒡᓗᓕᒑᕐᔪᒃ ᖃᓂᒋᔮᓂ ᒪᐃ 25, 2025-ᒥ. ᐊᔾᔨᖑᐊᑦ ᐊᐅᓪᓚᖅᓯᒪᓂᖕᒧᓪᓗ ᑐᑭᓯᒋᐊᒐᒃᓴᑦ ᑕᑯᔭᐅᔪᓐᓇᖅᐳᑦ ᓯᑯᒃᑯᑦ.

ᑎᑎᕋᖅᓯᒪᔪᖅ 1. ᖃᐅᔨᓴᒐᒃᓴᑦ ᓇᓃᓐᓂᖏᑦ ᓂᐅᕐᕈᑎᓪᓗᒋᑦ ᐃᒡᓗᓕᒑᕐᔪᖕᒧᑦ ᒪᐃ 2025−ᒥ.

ᐃᓄᒃᑎᑐᑦ ᖃᑉᓗᓈᑎᑐᑦ ᓱᓇᐅᓂᖓ

ᓄᓇᙳᐊᕐᒥ
ᓴᓂᒨᖓᓂᖓ ᐊᒻᒪ
ᑐᑭᒨᖓᓂᖓ

ᐳᐃᕐᓱᒃ ᓯᕗᓪᓕᖅ ᑕᓯᖅ ᐃᒥᖅᑕᕐᕕᒃ

63.3286° N
90.7688° W

ᐃᑎᕕᐊ

ᐅᖓᑖᒍᑦ ᐊᖏᔪᐊᓗᒃ
ᐃᒡᓗᐊᓗᒃ

ᐃᖃᓪᓕᐊᕐᕕᒃ
ᐃᒡᓗᕋᓛᖃᖅᖢᓂ

63.3608° N
90.7070° W

ᑐᒃᑐᑦᑖ ᑲᖏᖅᖢᒑᕐᔪᒃ ᐃᖃᓪᓕᐊᕐᕕᒃ

63.3190° N
90.7169° W

ᐃᒡᓗᓕᒑᕐᔪᒃ

ᑭᓴᕐᕕᒃ ᑐᓚᒃᑕᕐᕕᒃ /
ᐃᒡᓗᓕᒑᕐᔪᒃ

ᐃᖃᓪᓕᐊᕐᕕᒃ.
ᐅᒥᐊᕐᔪᐊᑦ ᑐᓚᑦᑕᓲᑦ
ᐊᐅᔭᒃᑯᑦ..

63.3290° N
90.6962° W

ᐊᑯᓪᓖᑦ ᐊᐃᑉᐸᖓ ᑕᓯᖅ ᐃᖃᓪᓕᐊᕐᕕᒃ

63.3379 ° N
90.8229° W

ᐊᒪᕈᕐᑕᓕᒃ ᐱᖓᔪᐊᑦ ᑕᓯᖅ ᐃᖃᓪᓕᐊᕐᕕᒃ

63.3633° N
90.8677° W

ᐊᔾᔨᙳᐊᖅ 3. a) ᐊᓯᐊ ᐊᔾᔨᙳᐊᖅ ᓴᐳᔨᐃᑦ ᐸᖅᑭᔨᖏᑦ, b) ᓴᐃᒪᓐ ᐊᒡᒐᖅ ᖃᐅᔨᓴᕐᕕᖕᒥ UM−ᒥ. ᐊᔾᔨᙳᐊᖁᑎᒋᔭᑦ:

a) ᓂᑰᓪ ᐅᐃᓪᓴᓐ, b) ᑕᒪᓕ ᕕᑕᓇᔨ.

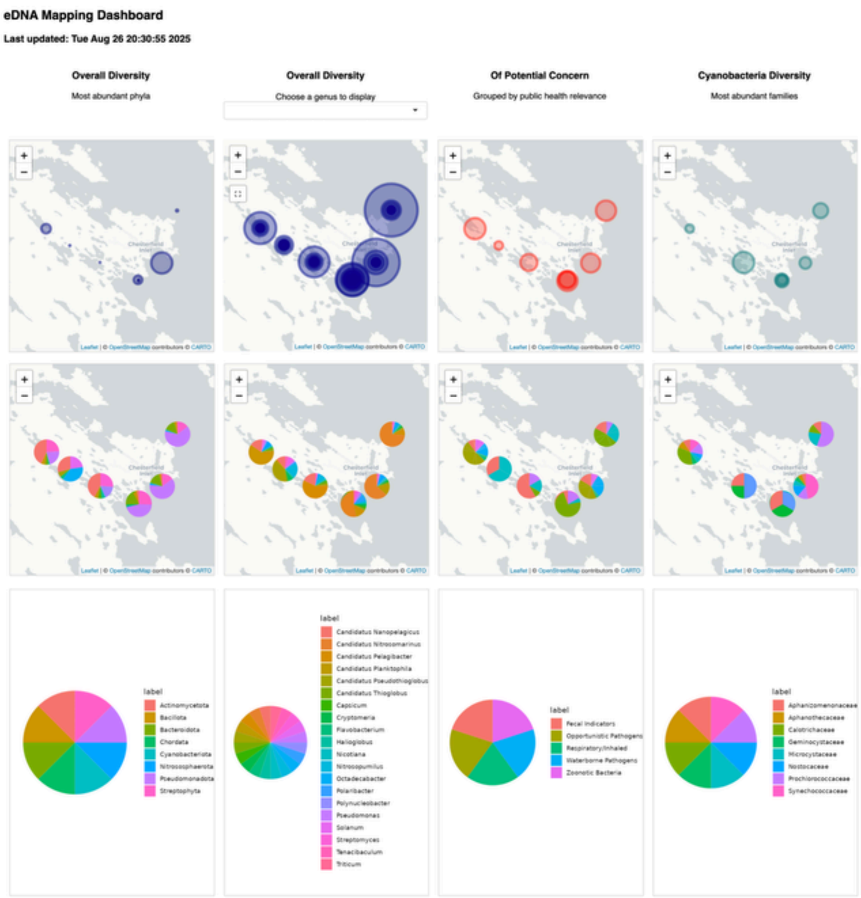
ᖃᐅᔨᔭᐅᔪᑦ

- ᖃᐅᔨᓴᒐᒃᓴᓂᒃ ᐹᖅᓯᓚᐅᖅᐳᒍᑦ ᒫᑦᓯ 2024–ᒥ, ᑭᓯᐊᓂ ᐱᑕᖃᑦᑎᐊᓚᐅᙱᓚᑦ ᑎᒥᒥᙶᖅᑐᓂᒃ ᖃᐅᔨᓴᕿᑎᓂᒃ. ᐊᓯᔾᔨᓚᐅᖅᐸᕗᑦ ᒪᓕᒋᐊᓕᒃ ᑕᒪᑐᒪᓂ ᐊᖏᒍᒥ ᐃᒪᕐᒥᒃ ᓱᑭᔾᔭᐃᒃᑯᑎᖃᕐᓂᖅᓴᐅᔪᒪᓪᓗᑕ.
- ᓯᕗᓪᓕᖅᐹᖅᓯᐅᑎᓂᒃ ᖃᐅᔨᓴᕿᑎᓂᒃ ᐱᓯᒪᓕᖅᑐᒍᑦ ᖃᐅᔨᓴᒐᒃᓴᓂᒃ ᑲᑎᖅᓱᖅᑕᐅᓚᐅᖅᑐᓂᒃ ᒪᐃ 2025–ᒥ (ᐊᔾᔨᙳᐊᖅ 4).
- ᖃᐅᔨᓴᕿᑎᕗᑦ ᒪᓕᑦᑎᐊᖅᑐᑦ ᓂᕆᐅᒋᓇᔭᖅᑕᑦᑎᓐᓄᑦ ᐅᑭᐅᖅᑕᖅᑐᒥ ᐆᒪᔪᑦ ᓇᔪᒐᖃᕐᕕᖏᑦ ᐅᓗᕆᐊᓇᖅᑐᓂᒃ ᐃᒪᕐᒥᐅᑕᓂᒃ ᐱᕋᖅᑐᑯᑖᓂᒃ ᐱᑕᖃᙱᖦᖢᑎᒃ.

- ᐋᔅᓚ ᐋᑕᒻᔅ ᐱᔭᕇᖅᓯᓚᐅᖅᑐᖅ ᐃᓕᓐᓂᐊᕿᓂᒃᓯᒪᔪᖅ ᖃᐅᔨᓴᕐᓂᕐᒥᒃ ᑕᐃᔭᐅᔪᖅ 'ᑲᔪᙱᖅᓴᐃᓂᖅ ᐅᖅᓱᐊᓗᒻᒥᒃ ᑯᕕᔪᖃᕐᓂᖅᐸᑦ ᐸᕐᓇᐃᓂᕐᒥᒃ, ᐱᕚᒌᔭᖅᓯᒪᓂᕐᒥᒃ, ᐊᒻᒪᓗ ᑭᐅᓯᓂᕐᒥᒃ ᐃᒡᓗᓕᒑᕐᔪᖕᒥ, ᓄᓇᕗᒻᒥ, ᑲᓇᑕᒥ.'

ᑭᖑᓪᓕᕐᒥ ᐱᓕᕆᐊᖑᔪᒃᓴᑦ

- ᐱᓕᕆᐊᕆᔭᕗᑦ ᐅᖓᕙᕆᐊᖅᑕᐅᓯᒪᓕᖅᐳᖅ ᐊᕐᕌᒎᖕᓄᑦ ᒪᕐᕉᖕᓄᑦ, 2027–ᙳᕐᓱᖕᓂᖓᓂ 2027.
- ᐊᕐᕌᒍ ᐃᒪᐃᓐᓂᐊᖅᑐᖅ:
  - ᖃᐅᔨᓴᒐᒃᓴᓂᒃ ᐹᖅᓯᕚᓪᓕᐊᖏᓐᓇᕐᓗᑎᒃ ᖃᐅᔨᓴᐃᓐᓇᖅᐸᓪᓗᒋᓪᓗ.
  - ᖃᐅᔨᔭᐅᔪᑦ ᑐᓴᖅᑕᐅᑎᓪᓗᒋᑦ ᓄᓇᖅᑲᑎᒌᓄᑦ.
  - ᐃᓚᐅᓂᐊᖅᐳᑎᑦ ArcticNet–ᑯᓐᓄᑦ ᑎᓯᐱᕆ 2025–ᒥ.
  - ᑎᓴᒪᖓᓐᓂ ᐱᕙᓪᓕᐊᑎᑦᑎᖃᑎᒌᖕᓂᕐᒧᑦ ᐃᓚᓐᓂᐊᖅᓯᓈᑦ ᑲᑎᒪᓯᓈᑦ 2026–ᒥ.


eDNA Mapping Dashboard
Last updated: Tue Aug 26 20:30:55 2025
Overall Diversity
Most abundant phyla
Overall Diversity
Choose a genus to display
Of Potential Concern
Grouped by public health relevance
Cyanobacteria Diversity
Most abundant families
Leaflet | © OpenStreetMap contributors © CARTO
label
Actinomycetota
Bacillota
Bacteroidota
Chordata
Cyanobacteriota
Nitrososphaerota
Pseudomonadota
Streptophyta
label
Candidatus Nanopelagicus
Candidatus Nitrosomarinus
Candidatus Pelagibacter
Candidatus Planktophila
Candidatus Pseudothioglobus
Candidatus Thioglobus
Capsicum
Cryptomeria
Flavobacterium
Halioglobus
Nicotiana
Nitrosopumilus
Octadecabacter
Polaribacter
Polynucleobacter
Pseudomonas
Solanum
Streptomyces
Tenacibaculum
Triticum
label
Fecal Indicators
Opportunistic Pathogens
Respiratory/Inhaled
Waterborne Pathogens
Zoonotic Bacteria
label
Aphanizomenonaceae
Aphanothecaceae
Calotrichaceae
Geminocystaceae
Microcystaceae
Nostocaceae
Prochlorococcaceae
Synechococcaceae

Fᐊᔾᔨᙳᐊᖅ 4. ᔨᓂᔅ II ᖃᐅᔨᔭᐅᔪᑦ ᖁᐱᕿᐊᕐᔪᖕᓄᑦ-ᑐᓴᐅᒪᑎᑕᐅᔪᓄᑦ ᐃᒪᕐᒧᑦ ᖃᐅᔨᓴᒐᒃᓴᓄᑦ ᑕᑯᒃᓴᐅᑎᑕᐅᔪᑦ eDNA–ᒧᑦ ᓄᓇᙳᐊᓕᐅᕐᓂᕐᒧᑦ ᓇᓄᓇᐃᒃᑯᑕᕐᒥ.

ᖁᔭᒋᔭᐅᔪᑦ

ᖁᔭᓐᓇᒦᒃ ᐊᕿᒡᒋᖅ ᐊᙳᓇᓱᒃᑐᓕᕆᔩᒃᑯᓐᓄᑦ, Hᐋᒻᒪᓚᒃᑯᑦ ᑎᑎᕋᕝᕕᐊᓄᑦ, ᐊᒻᒪ ᓴᓂᕋᔭᐅᑉ ᑕᕆᐅᖓᓄᑦ ᑭᕙᓪᓕᕐᒥ ᓴᐳᔨᔩᑦ/ᐸᐸᑦᑎᔩᑦ ᑕᕆᐅᕐᒥ ᑲᑐᔾᔨᖃᑎᒌᓄᑦ. ᑕᒪᓐᓇ ᖃᐅᔨᓴᕐᓂᖅ ᑮᓇᐅᔭᖃᖅᑎᑕᐅᑦᑎᐊᖅᐳᖅ ᔨᓅᒻ ᑲᓇᑕᑯᓐᓂᑦ ᑲᓇᑕᒥᓗ ᖃᐅᔨᓴᖅᓯᓂᕐᒧᑦ ᐃᒃᓯᕙᐅᑕᕆᔭᐅᔪᓄᑦ ᐱᓕᕆᐊᖑᕙᒃᑐᒧᑦ.

ᑐᑭᓯᒋᐊᒃᑲᓐᓂᕈᒪᒍᕕᑦ, ᐃᕐᖐᓐᓈᖅᑕᐅᒃᑯᑦ: Nicole.J.Wilson@umanitoba.ca

ᖃᐅᔨᒋᐊᕐᕕᐅᔪᓐᓇᖅᑐᑦ

(1) ᐋᑕᒻᔅ, 2025. ᑲᔪᙱᖅᓴᐃᓂᖅ ᐅᖅᓱᐊᓗᒻᒥᑦ ᑯᕕᔪᖃᕐᓂᖅᑲᑦ ᐱᕚᒌᔭᕐᓂᕐᒥᑦ, ᐱᕚᒌᔭᖅᓯᒪᓂᕐᒥᑦ, ᖃᓄᐃᓕᐅᕆᐊᖃᕐᓂᕐᒥᓪᓗ ᐃᒡᓗᓕᒑᕐᔪᖕᒥᑦ, ᓄᓇᕗᒻᒥᑦ, ᑲᓇᑕᒥ (ᐃᓱᒪᒋᔭᐅᔪᑦ). ᒫᓂᑑᐸᒥ ᓯᓚᑦᑐᖅᓴᕐᕕᔾᔪᐊᖅ, ᐅᐃᓂᐱᒡ, ᒫᓂᑑᐸ. http://hdl.handle.net/1993/39022