

Bacillariophyceae

Strain PD AF02

Taxonomy

Genus: Navicula

Species: perminuta Grunow 1880

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: polar

Continent: Europe

Country: Norway

Locality: Adventfjord

Year: 2010

Isolated by: Nadine Dolata

Strain number by isolator: AF02

Deposition:

Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria)

Identical strains:

Special properties: morphotype I

Publication:

Sequence information

Accession: 18S rDNA (280 bp) (Dolata 2010), 18S V-4 (Stachura-Suchoples 2012)

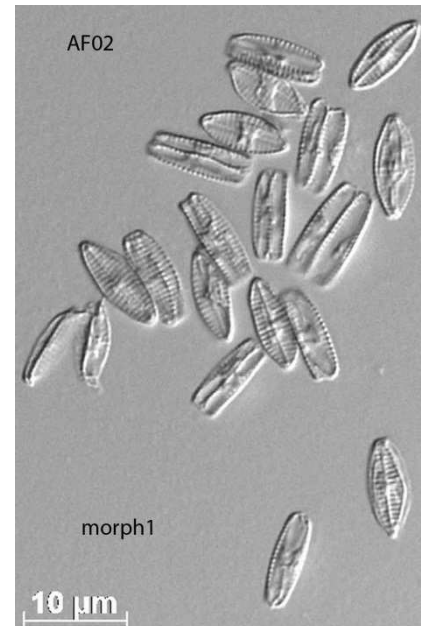
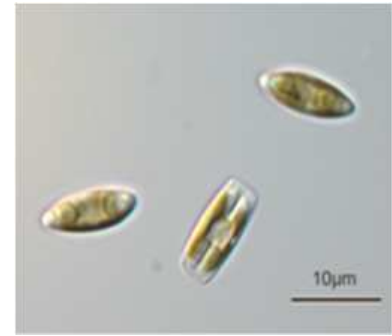
Size:

Length [μm]: 9,6 – 11,3

Width [μm]: 2,5 – 3,5

Striae $10\ \mu\text{m}^{-1}$: 17 - 23

Fibulae $10\ \mu\text{m}^{-1}$:



Bacillariophyceae

Strain PD AF03

Taxonomy

Genus: Navicula

Species: perminuta Grunow 1880

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: polar

Continent: Europe

Country: Norway

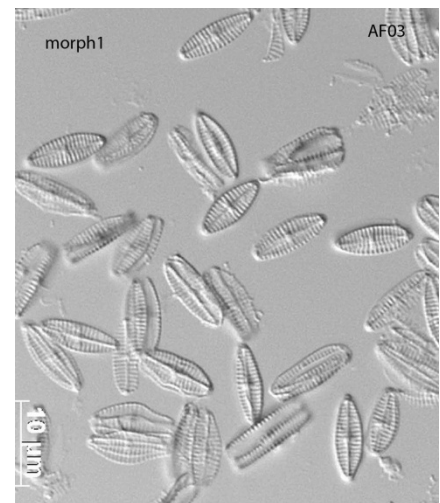
Locality: Adventfjord

Year: 2010

Isolated by: Nadine Dolata

Strain number by isolator: AF03

Deposition:



Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria)

Identical strains:

Special properties: morphotype I

Publication:

Sequence information

Accession: part of 18S rDNA (Dolata 2010), 18S V-4 (Stachura-Suchoples 2012)

Size:

Length [μm]: 10,4 – 12,2

Width [μm]: 2,0 – 3,9

Striae $10\ \mu\text{m}^{-1}$: 17 - 24

Fibulae $10\ \mu\text{m}^{-1}$:

Bacillariophyceae

Strain PD AF04

Taxonomy

Genus: Navicula

Species: perminuta Grunow 1880

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: polar

Continent: Europe

Country: Norway

Locality: Adventfjord

Year: 2010

Isolated by: Nadine Dolata

Strain number by isolator: AF04

Deposition:



Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria)

Identical strains:

Special properties: morphotype I

Publication:

Sequence information

Accession: 18S V-4 (Stachura-Suchoples 2012)

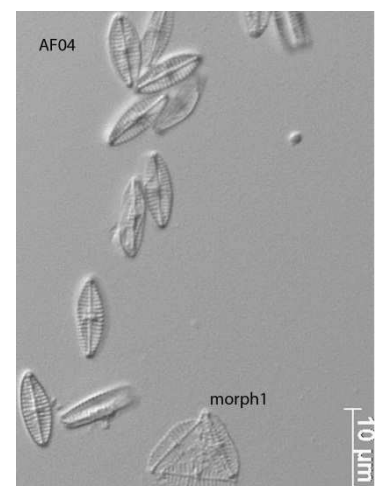
Size:

Length [μm]: 9,7 – 11,9

Width [μm]: 2,3 – 4,1

Striae $10\ \mu\text{m}^{-1}$: 17 - 23

Fibulae $10\ \mu\text{m}^{-1}$:



Bacillariophyceae

Strain PD AF06

Taxonomy

Genus: Navicula

Species: perminuta Grunow 1880

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: polar

Continent: Europe

Country: Norway

Locality: Adventfjord

Year: 2010

Isolated by: Nadine Dolata

Strain number by isolator: AF06

Deposition:

Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria & protozoa)

Identical strains:

Special properties: morphotype II

Publication:

Sequence information

Accession: 18S V-4 (Stachura-Suchoples 2012)

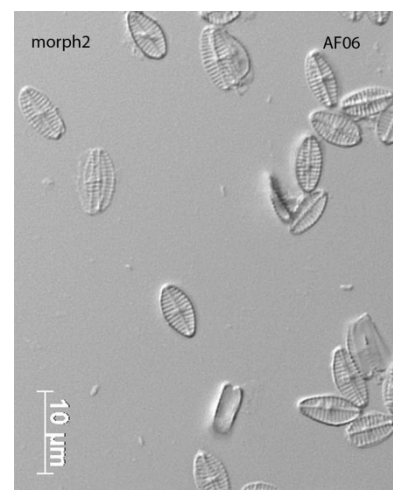
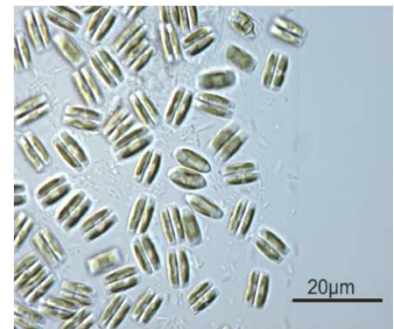
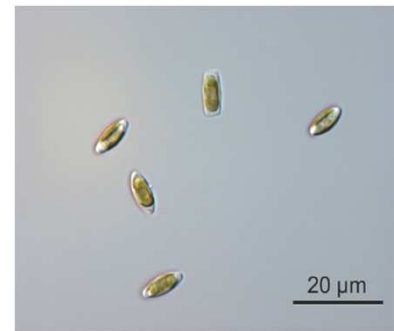
Size:

Length [μm]: 7,8 – 10

Width [μm]: 3,9 – 4,4

Striae $10\ \mu\text{m}^{-1}$: 19 - 25

Fibulae $10\ \mu\text{m}^{-1}$:



Bacillariophyceae

Strain PD AF12

Taxonomy

Genus: Tabularia or Synedra
Species: waernii Snoeijs 1991
Division: Bacillariophyta
Class: Bacillariophyceae

Origin

General habitat: marin
Climatic zone: polar
Continent: Europe
Country: Norway
Locality: Adventfjord
Year: 2010
Isolated by: Nadine Dolata
Strain number by isolator: AF12
Deposition:

Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU
Axenic: no (bacteria)
Identical strains:
Special properties:
Publication:

Sequence information

Accession: 18S V-4 (Stachura-Suchoples 2012)

Size:

Length [μm]: 17,9 – 22,6
Width [μm]: 2,2 – 4,6
Striae $10\ \mu\text{m}^{-1}$: 19 - 29
Fibulae $10\ \mu\text{m}^{-1}$:



Bacillariophyceae

Strain PD AF13

Taxonomy

Genus: Nitzschia

Species: sp.

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: polar

Continent: Europe

Country: Norway

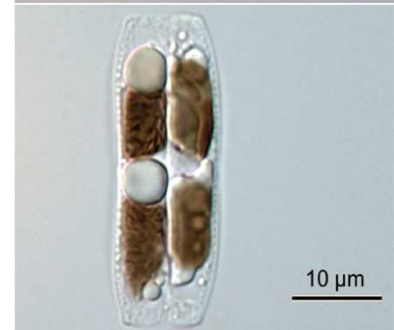
Locality: Adventfjord

Year: 2010

Isolated by: Nadine Dolata

Strain number by isolator: AF13

Deposition:



Culture information

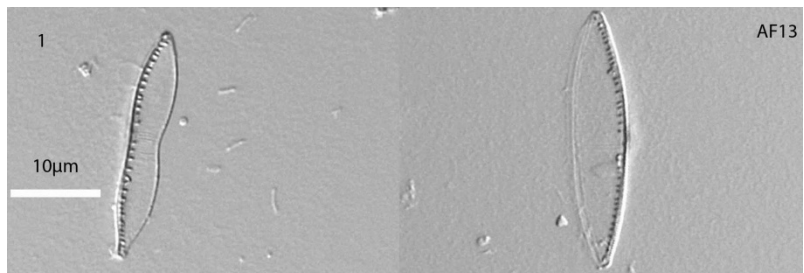
Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria)

Identical strains:

Special properties:

Publication:



Sequence information

Accession: 18S V-4 (Stachura-Suchoples 2012)

Size:

Length [μm]: 27,9 – 36,8

Width [μm]: 1,9 – 5,7

Striae $10 \mu\text{m}^{-1}$:

Fibulae $10 \mu\text{m}^{-1}$: 14 – 16

Bacillariophyceae

Strain PD AF15

Taxonomy

Genus: Navicula

Species: perminuta Grunow 1880

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: polar

Continent: Europe

Country: Norway

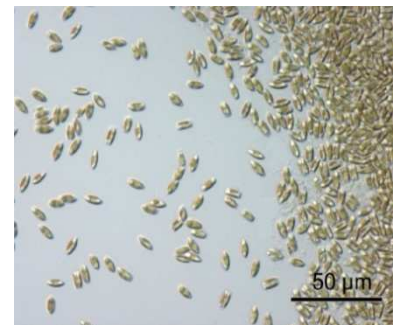
Locality: Adventfjord

Year: 2010

Isolated by: Nadine Dolata

Strain number by isolator: AF15

Deposition:



Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria)

Identical strains:

Special properties: morphotype II by microscopy, I by genomic analysis

Publication:

Sequence information

Accession: 18S V-4 (Stachura-Suchoples 2012)

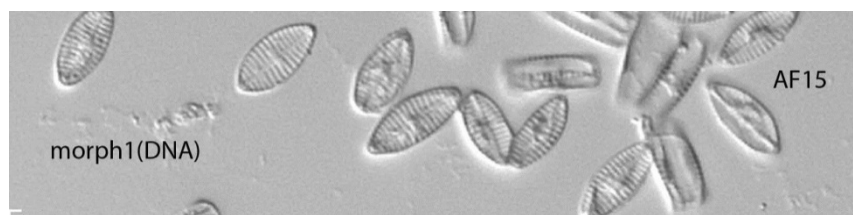
Size:

Length [μm]: 8,1 – 11,2

Width [μm]: 2,0 – 4,1

Striae $10\ \mu\text{m}^{-1}$: 19 - 24

Fibulae $10\ \mu\text{m}^{-1}$:



Bacillariophyceae

Strain PD AF17

Taxonomy

Genus: Navicula

Species: perminuta Grunow 1880

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: polar

Continent: Europe

Country: Norway

Locality: Adventfjord

Year: 2010

Isolated by: Nadine Dolata

Strain number by isolator: AF17

Deposition:



Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria)

Identical strains:

Special properties:

Publication:

Sequence information

Accession:

Size:

Length [μm]: 6,0 – 8,0

Width [μm]: 1,2 – 4,3

Striae $10 \mu\text{m}^{-1}$: 17,7 – 25,5

Fibulae $10 \mu\text{m}^{-1}$:

Bacillariophyceae

Strain PD AF18

Taxonomy

Genus: Entomoneis

Species: cf. pseudoduplex K.Osada & H.Kobayasi

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: polar

Continent: Europe

Country: Norway

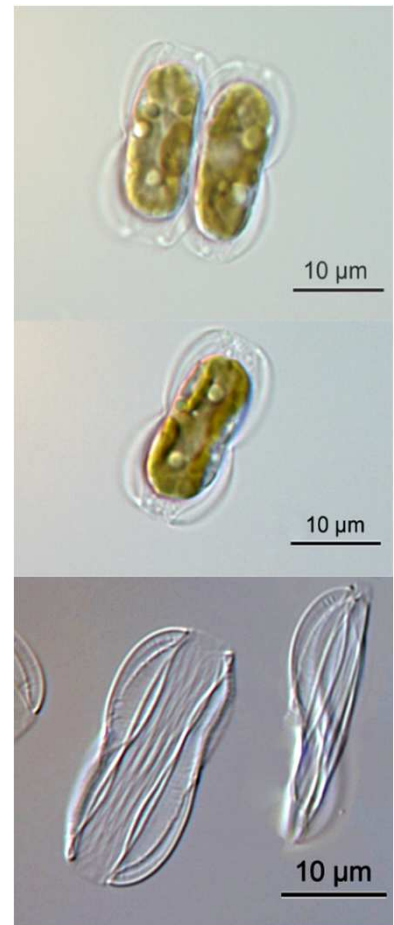
Locality: Adventfjord

Year: 2010

Isolated by: Nadine Dolata

Strain number by isolator: AF18

Deposition:



Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria)

Identical strains: AF18*

Special properties:

Publication:

Sequence information

Sequence Accession: part of 18S rDNA (Dolata 2010), 18S V-4 (Stachura-Suchoples 2012)

Size:

Length [μm]: 21,3 – 25,8

Width [μm]: 4,2 – 6,9

Striae $10\ \mu\text{m}^{-1}$: 11,9 – 22,3

Fibulae $10\ \mu\text{m}^{-1}$:

Bacillariophyceae

Strain PD AF18*

Taxonomy

Genus: *Entomoneis*

Species: cf. *pseudoduplex* K.Osada & H.Kobayasi

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: polar

Continent: Europe

Country: Norway

Locality: Adventfjord

Year: 2010

Isolated by: Nadine Dolata

Strain number by isolator: AF18*

Deposition:



Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria)

Identical strains: AF18

Special properties:

Publication:

Sequence information

Accession:

Size:

Length [μm]:

Width [μm]:

Striae $10\ \mu\text{m}^{-1}$:

Fibulae $10\ \mu\text{m}^{-1}$:

Bacillariophyceae

Strain PD AF19

Taxonomy

Genus: *Cylindrotheca*

Species: *closterium* (Ehrenberg) Reimann & Lewin 1964

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: polar

Continent: Europe

Country: Norway

Locality: Adventfjord

Year: 2010

Isolated by: Nadine Dolata

Strain number by isolator: AF19

Deposition:

Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria)

Identical strains: AF20

Special properties:

Publication:

Sequence information

Accession:

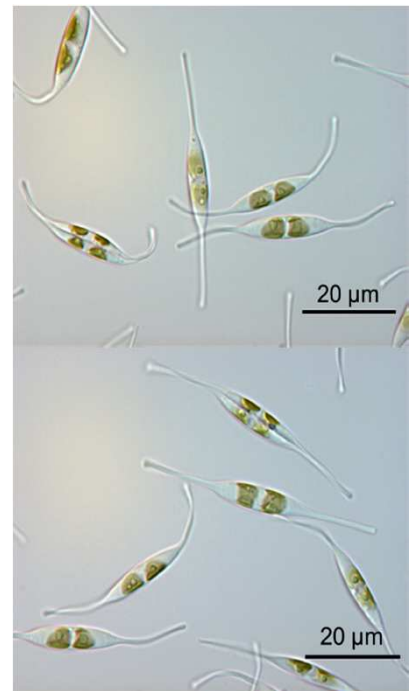
Size:

Length [μm]: 50,5 – 53,8

Width [μm]: 3,1 – 4,9

Striae $10\ \mu\text{m}^{-1}$:

Fibulae $10\ \mu\text{m}^{-1}$: 14,5 – 19,9



Bacillariophyceae

Strain PG AF20

Taxonomy

Genus: *Cylindrotheca*

Species: *closterium* (Ehrenberg) Reimann & Lewin 1964

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: polar

Continent: Europe

Country: Norway

Locality: Adventfjord

Year: 2010

Isolated by: Nadine Dolata

Strain number by isolator: AF20

Deposition:

Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria)

Identical strains: AF19

Special properties:

Publication:

Sequence information

Accession: 18S V-4 (Stachura-Suchoples 2012)

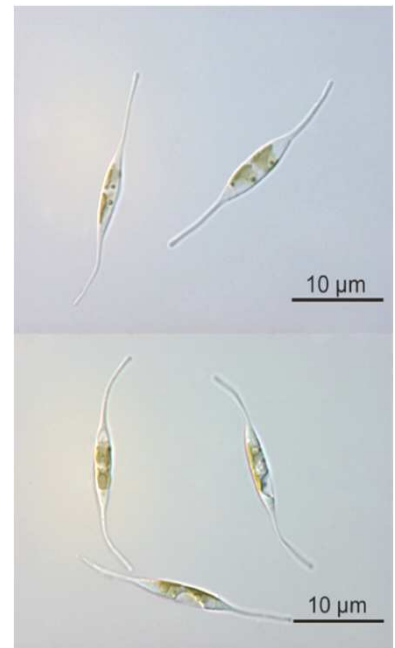
Size:

Length [μm]:

Width [μm]:

Striae $10\ \mu\text{m}^{-1}$:

Fibulae $10\ \mu\text{m}^{-1}$:



Bacillariophyceae

Strain PD AF21

Taxonomy

Genus: *Nitzschia*

Species: *pusilla* / *palea*

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: polar

Continent: Europe

Country: Norway

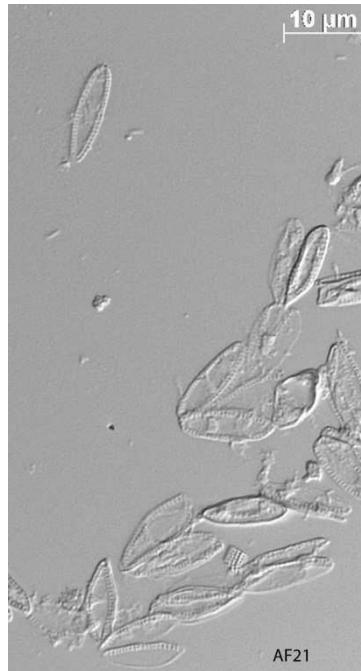
Locality: Adventfjord

Year: 2010

Isolated by: Nadine Dolata

Strain number by isolator: AF21

Deposition:



Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria)

Identical strains:

Special properties:

Publication:

Sequence information

Accession: 18S V-4 (Stachura-Suchoples 2012)

Size:

Length [μm]: 14,0 – 17,7

Width [μm]: 2,6 – 5,0

Striae $10\ \mu\text{m}^{-1}$:

Fibulae $10\ \mu\text{m}^{-1}$: 15,8 – 23,5

Bacillariophyceae

Strain PD AF22

Taxonomy

Genus: Nitzschia

Species: cf. miserabilis

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: polar

Continent: Europe

Country: Norway

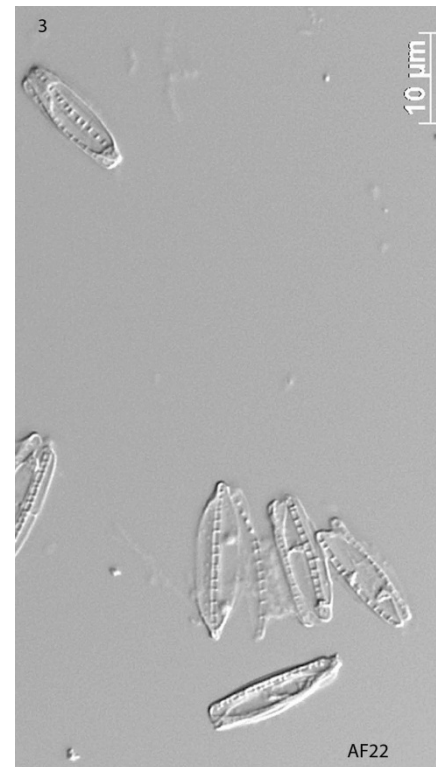
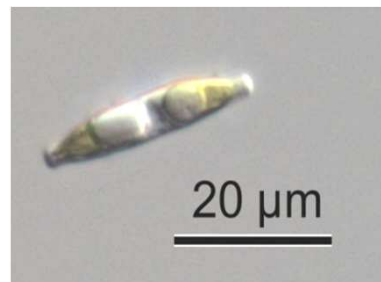
Locality: Adventfjord

Year: 2010

Isolated by: Nadine Dolata

Strain number by isolator: AF22

Deposition:



Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria)

Identical strains:

Special properties:

Publication:

Sequence information

Accession:

Size:

Length [μm]: 23,3 – 26,5

Width [μm]: 2,1 – 5,5

Striae $10\ \mu\text{m}^{-1}$:

Fibulae $10\ \mu\text{m}^{-1}$: 6 - 10

Bacillariophyceae

Strain PD AF23

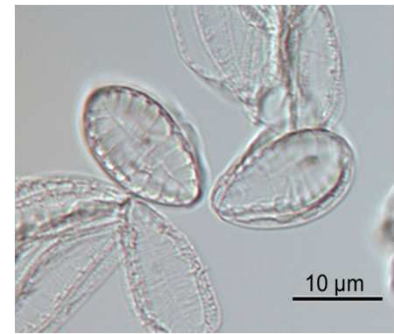
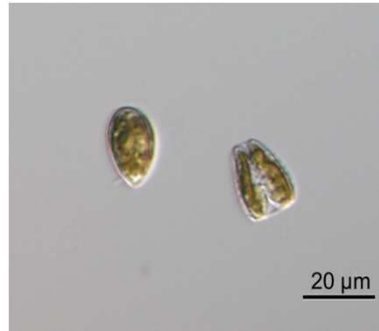
Taxonomy

Genus: *Surirella*

Species: *brebissonii*

Division: Bacillariophyta

Class: Bacillariophyceae



Origin

General habitat: marin

Climatic zone: polar

Continent: Europe

Country: Norway

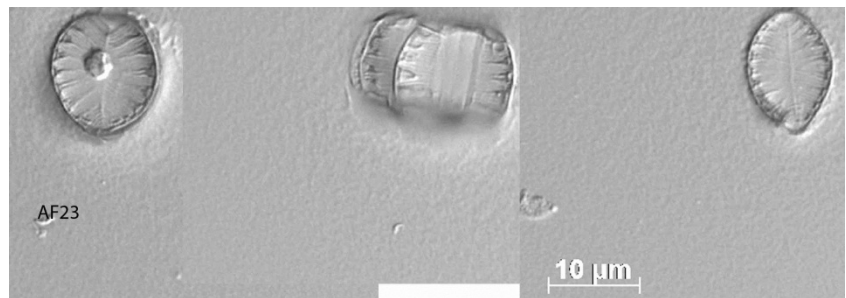
Locality: Adventfjord

Year: 2010

Isolated by: Nadine Dolata

Strain number by isolator: AF23

Deposition:



Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria)

Identical strains:

Special properties: group I

Publication:

Sequence information

Accession: 18S V-4 (Stachura-Suchoples 2012)

Size:

Length [μm]: 15,8 – 20,1

Width [μm]: 9,6 – 12,2

Striae $10\ \mu\text{m}^{-1}$:

Fibulae $10\ \mu\text{m}^{-1}$:

Bacillariophyceae

Strain PD AF24

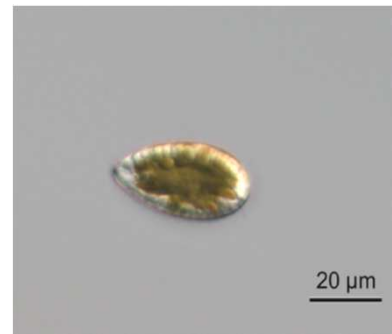
Taxonomy

Genus: *Surirella*

Species: *brebissonii*

Division: Bacillariophyta

Class: Bacillariophyceae



Origin

General habitat: marin

Climatic zone: polar

Continent: Europe

Country: Norway

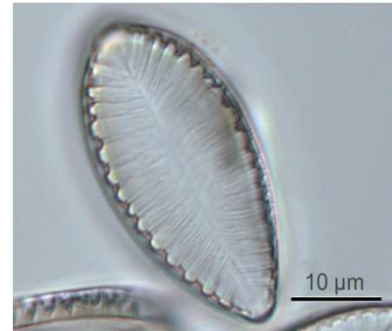
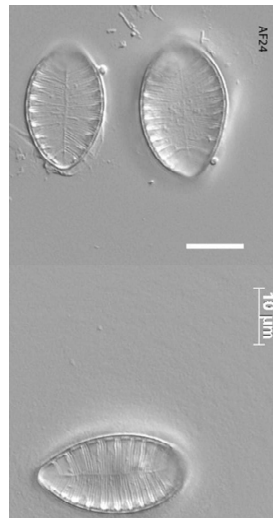
Locality: Adventfjord

Year: 2010

Isolated by: Nadine Dolata

Strain number by isolator: AF24

Deposition:



Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria)

Identical strains:

Special properties: type I

Publication:

Sequence information

Accession: part of 18S rDNA; rbcL (480 bp) (Dolata 2010), 18S V-4 (Stachura-Suchoples 2012)

Size:

Length [μm]: 31,7 – 37,7

Width [μm]: 16,8 – 20,3

Striae $10 \mu\text{m}^{-1}$:

Fibulae $10 \mu\text{m}^{-1}$:

Bacillariophyceae

Strain PD AF25

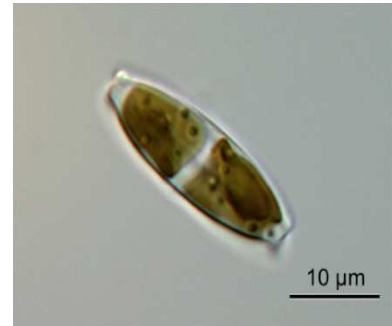
Taxonomy

Genus: Nitzschia

Species:

Division: Bacillariophyta

Class: Bacillariophyceae



ORIGIN

General habitat: marin

Climatic zone: polar

Continent: Europe

Country: Norway

Locality: Adventfjord

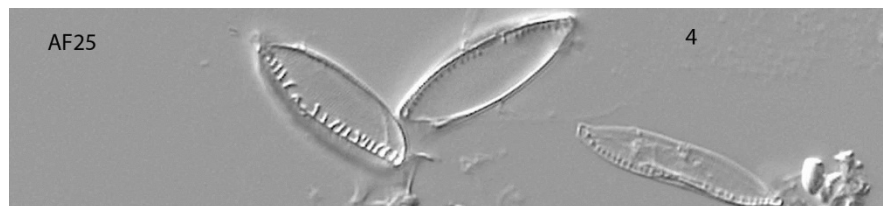
Year: 2010

Isolated by: Nadine

Dolata

Strain number by
isolator: AF25

Deposition:



Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria & protozoa)

Identical strains:

Special properties:

Publication:

Sequence information

Accession: part of 18S rDNA; rbcL (480 bp) (Dolata 2010), 18S V-4 (Stachura-Suchoples 2012)

Size:

Length [μm]: 26,2 – 29,0

Width [μm]: 2,7 – 5,2

Striae $10\ \mu\text{m}^{-1}$:

Fibulae $10\ \mu\text{m}^{-1}$: 10,3 – 16,3

Bacillariophyceae

Strain PD AF26

Taxonomy

Genus: Halamphora

Species: cf. tenerrima (Aleem & Hustedt)

Levkov 2009

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: polar

Continent: Europe

Country: Norway

Locality: Adventfjord

Year: 2010

Isolated by: Nadine Dolata

Strain number by isolator: AF26

Deposition:

Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria)

Identical strains:

Special properties:

Publication:

Sequence information

Accession:

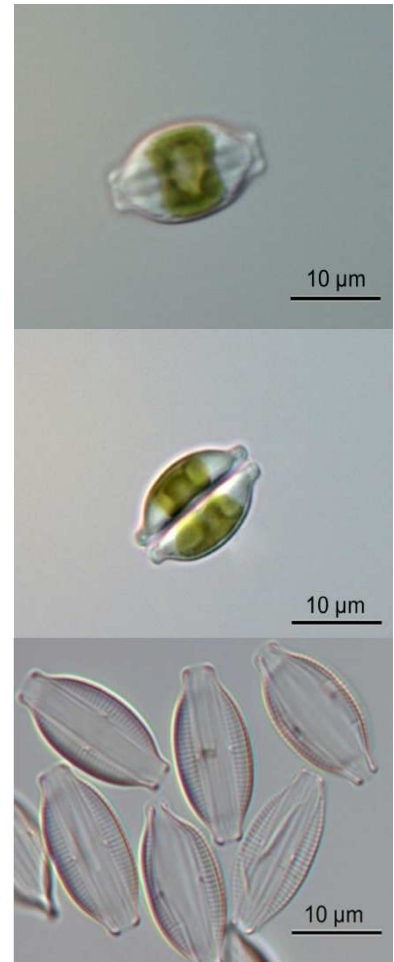
Size:

Length [μm]: 14,48 – 18,96

Width [μm]: 3,45 – 4,9

Striae $10\ \mu\text{m}^{-1}$: 17,9 – 25,4 (dorsal)

Fibulae $10\ \mu\text{m}^{-1}$:



Bacillariophyceae

Strain PD AD23

Taxonomy

Genus: *Fragilaria*

Species:

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: polar

Continent: Antarctica

Country:

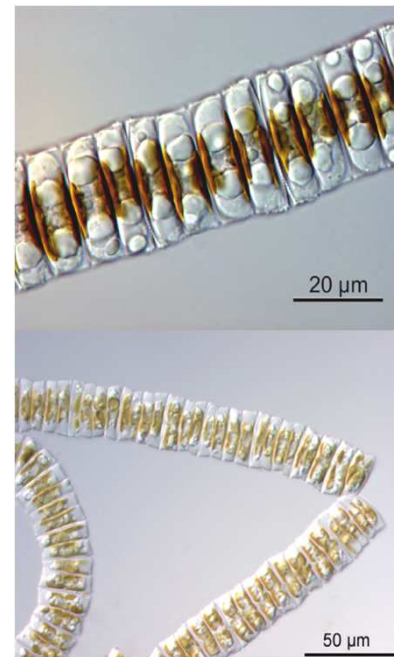
Locality:

Year: 2008

Isolated by: Jana Wölfel

Strain number by isolator: AD23

Deposition:



Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria & protozoa)

Identical strains:

Special properties:

Publication:

Sequence information

Accession:

Size:

Length [μm]:

Width [μm]:

Striae $10 \mu\text{m}^{-1}$:

Fibulae $10 \mu\text{m}^{-1}$:

Bacillariophyceae

Strain PD KD11

Taxonomy

Genus: *Attheya*

Species: *decora* West 1860

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: polar

Continent: Europe

Country: Norway

Locality: Kongsfjord, at stones 2 – 2,5m

Year: 2005

Isolated by: Jana Wölfel

Strain number by isolator: KD11

Deposition:

Culture information

Culture medium: F/2 Medium, steril filtrated

Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria & protozoa)

Identical strains:

Special properties:

Publication:

Sequence information

Accession:

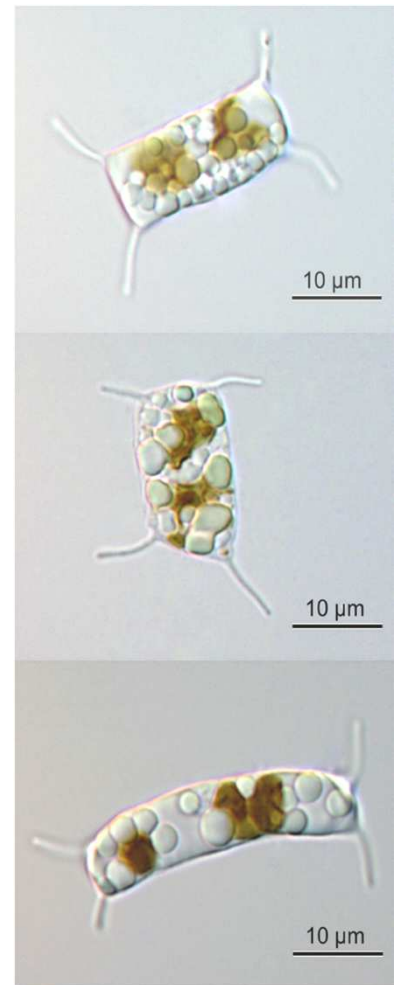
Size:

Length [μm]:

Width [μm]:

Striae $10\ \mu\text{m}^{-1}$:

Fibulae $10\ \mu\text{m}^{-1}$:



Bacillariophyceae

Strain PD KD16

Taxonomy

Genus: Entomoneis

Species:

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: polar

Continent: Europe

Country: Norway

Locality: Kongsfjord, Londen, sediment, 2 – 4m

Year: 2006

Isolated by: Jana Wölfel

Strain number by isolator: KD16

Deposition:



Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria & protozoa)

Identical strains:

Special properties:

Publication:

Sequence information

Accession:

Size:

Length [μm]:

Width [μm]:

Striae $10 \mu\text{m}^{-1}$:

Fibulae $10 \mu\text{m}^{-1}$:

Bacillariophyceae

Strain PD KD17

Taxonomy

Genus: Navicula

Species:

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: polar

Continent: Europe

Country: Norway

Locality: Kongsfjord, Londen, sediment, 2 – 4m

Year: 2006

Isolated by: Jana Wölfel

Strain number by isolator: KD17

Deposition:

Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria)

Identical strains:

Special properties:

Publication:

Sequence information

Accession:

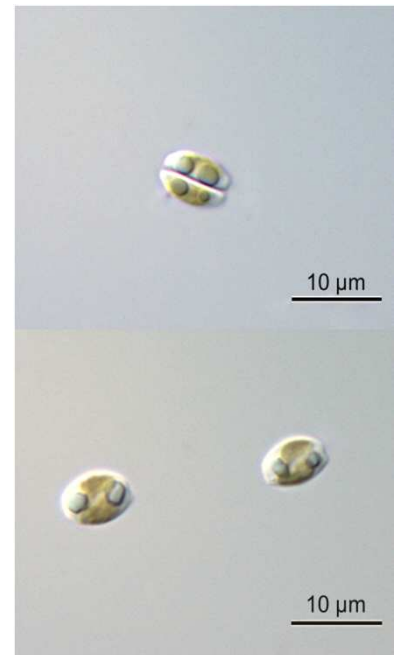
Size:

Length [μm]:

Width [μm]:

Striae $10\ \mu\text{m}^{-1}$:

Fibulae $10\ \mu\text{m}^{-1}$:



Bacillariophyceae

Strain PD KD18

Taxonomy

Genus: Navicula

Species:

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: polar

Continent: Europe

Country: Norway

Locality: Kongsfjord, Londen, sediment, 2 – 4m

Year: 2006

Isolated by: Jana Wölfel

Strain number by isolator: KD18

Deposition:

Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria)

Identical strains:

Special properties:

Publication:

Sequence information

Accession:

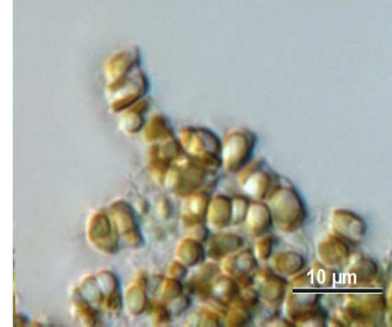
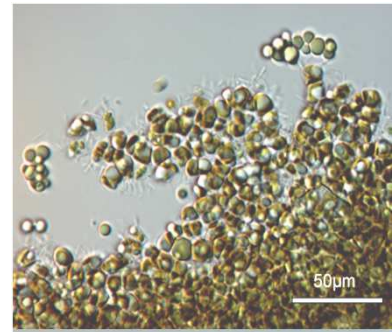
Size:

Length [μm]:

Width [μm]:

Striae $10\ \mu\text{m}^{-1}$:

Fibulae $10\ \mu\text{m}^{-1}$:



Bacillariophyceae

Strain PD KD19

Taxonomy

Genus: Navicula

Species:

Division: Bacillariophyta

Class: Bacillariophyceae



Origin

General habitat: marin

Climatic zone: polar

Continent: Europe

Country: Norway

Locality: Kongsfjord, Londen, sediment, 2 – 4m

Year: 2006

Isolated by: Jana Wölfel

Strain number by isolator:

Deposition:

Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria & protozoa)

Identical strains:

Special properties:

Publication:

Sequence information

Accession:

Size:

Length [μm]:

Width [μm]:

Striae $10 \mu\text{m}^{-1}$:

Fibulae $10 \mu\text{m}^{-1}$:

Bacillariophyceae

Strain PD KD21

Taxonomy

Genus: Navicula

Species:

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: polar

Continent: Europe

Country: Norway

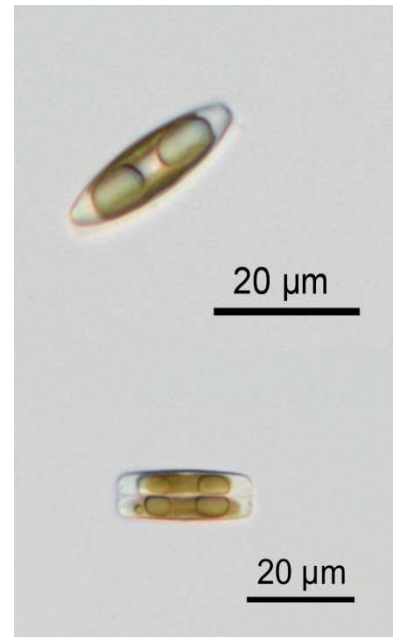
Locality: Kongsfjord, Londen, sediment, 2 – 4m

Year: 2006

Isolated by: Jana Wölfel

Strain number by isolator:

Deposition:



Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria)

Identical strains:

Special properties:

Publication:

Sequence information

Accession:

Size:

Length [μm]:

Width [μm]:

Striae $10 \mu\text{m}^{-1}$:

Fibulae $10 \mu\text{m}^{-1}$:

Bacillariophyceae

Strain PD KD22

Taxonomy

Genus:

Species:

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: polar

Continent:

Country:

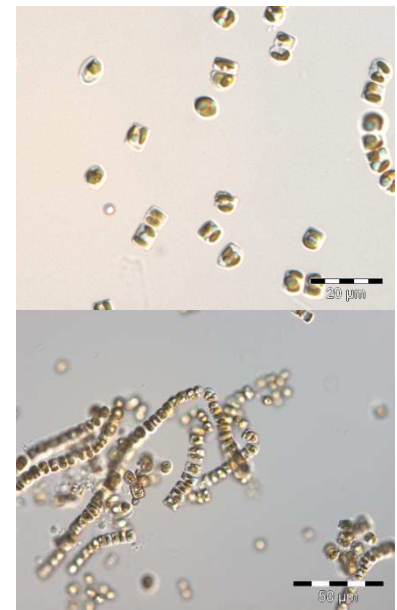
Locality:

Year:

Isolated by:

Strain number by isolator:

Deposition:



Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria)

Identical strains:

Special properties:

Publication:

Sequence information

Accession:

Size:

Length [μm]:

Width [μm]:

Striae $10 \mu\text{m}^{-1}$:

Fibulae $10 \mu\text{m}^{-1}$:

Bacillariophyceae

Strain PD SWPhaeo1

Taxonomy

Genus: Phaeodactylum

Species: tricornutum Bohlin 1897

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone:

Continent: Europe

Country: Culture Collection Plymouth, England

Locality:

Year:

Isolated by: E.G. Pringsheim

Strain number by isolator:

Deposition: Angela Wulff, Göteborg University, Sweden
Algaebank Strain no.2 (UTEX642)



Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria)

Identical strains:

Special properties:

Publication:

Sequence information

Accession:

Size:

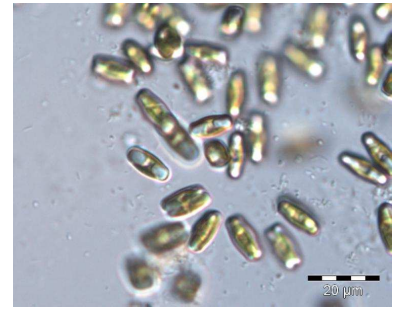
Length [μm]:

Width [μm]:

Striae $10 \mu\text{m}^{-1}$:

Fibulae $10 \mu\text{m}^{-1}$:

Bacillariophyceae



Strain PD CCCryo272.06

Taxonomy

Genus: Nitzschia

Species: pusilla Grunow 1862

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone:

Continent:

Country:

Locality: isolated from snow

Year:

Isolated by: Thomas Leya

Strain number by isolator:

Deposition: Fraunhofer Institut für Biomedizinische Technik, Berlin

Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria & protozoa)

Identical strains:

Special properties:

Publication:

Sequence information

Accession:

Size:

Length [μm]:

Width [μm]:

Striae $10 \mu\text{m}^{-1}$:

Fibulae $10 \mu\text{m}^{-1}$:

Bacillariophyceae

Strain PD CCy9601

Taxonomy

Genus: *Cylindrotheca*

Species: *fusiformis* Reimann & J.C.Lewin 1964

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone:

Continent:

Country:

Locality:

Year:

Isolated by:

Strain number by isolator:

Deposition: Angela Wulff, Göteborg University; source: NIOD Yerseke, The Netherlands (Ute Wollenzin)



Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria)

Identical strains:

Special properties:

Publication:

Sequence information

Accession:

Size:

Length [μm]:

Width [μm]:

Striae $10\ \mu\text{m}^{-1}$:

Fibulae $10\ \mu\text{m}^{-1}$:

Bacillariophyceae

Strain PD KA125

Taxonomy

Genus: *Fragilaria*

Species: *striatula* Lyngbye 1819

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: polar

Continent: Europe

Country: Norway

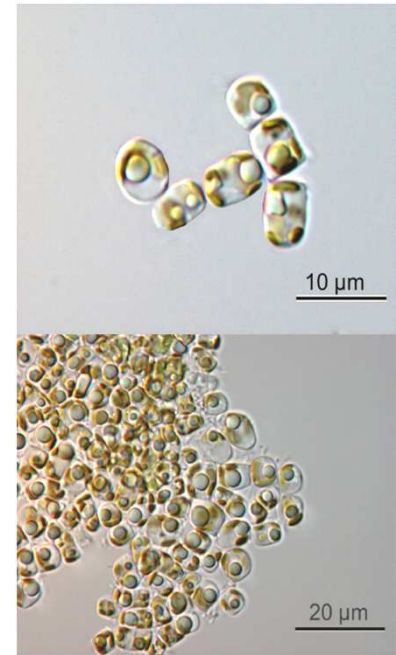
Locality: Ny Alesund, Kongsfjord, epiphytical, 1m

Year: 2003/04

Isolated by: Susanne Rothe

Strain number by isolator: D125

Deposition:



Culture Information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria)

Identical strains:

Special properties:

Publication: Karsten, U., Schumann, R., Rothe, S., Jung, I. & Medlin, L. 2006.

Temperature and light requirements for growth of two diatom species (Bacillariophyceae) isolated from an Arctic macroalga. Polar Biology 29: 476-486.

Sequence information

Accession: AJ971377

Size:

Length [μm]: 20 - 45

Width [μm]: 5 - 7

Fibulae $10 \mu\text{m}^{-1}$:

Bacillariophyceae

Strain PD KA1ZP

Taxonomy

Genus:

Species:

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: polar

Continent: Europe

Country: Norway

Locality: Ny Alesund, Kongsfjord

Year: 2003/04

Isolated by: Susanne Rothe

Strain number by isolator: KA1ZP

Deposition:

Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria)

Identical strains:

Special properties:

Publication:

Sequence information

Accession:

Size:

Length [μm]:

Width [μm]:

Striae $10 \mu\text{m}^{-1}$:

Fibulae $10 \mu\text{m}^{-1}$:



Bacillariophyceae

Strain PD KABB1

Taxonomy

Genus:

Species:

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: polar

Continent: Europe

Country: Norway

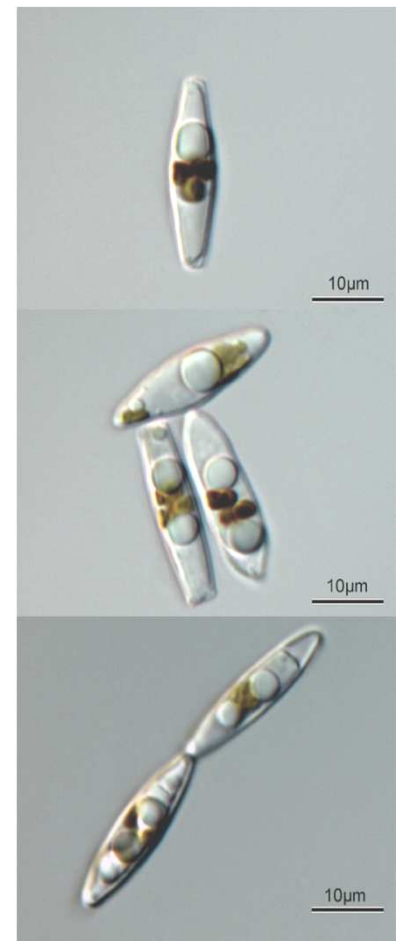
Locality: Ny Alesund, Kongsfjord

Year: 2003/04

Isolated by: Susanne Rothe

Strain number by isolator: KA BB1

Deposition:



Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria)

Identical strains:

Special properties:

Publication:

Sequence information

Accession:

Size:

Length [μm]:

Width [μm]:

Striae $10 \mu\text{m}^{-1}$:

Fibulae $10 \mu\text{m}^{-1}$:

Bacillariophyceae

Strain PD KACB1

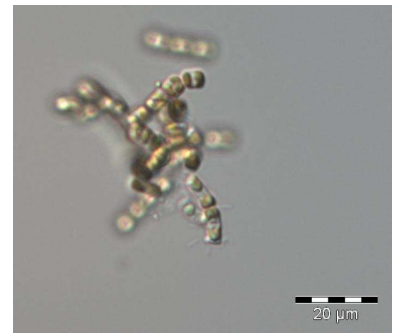
Taxonomy

Genus:

Species:

Division: Bacillariophyta

Class: Bacillariophyceae



Origin

General habitat: marin

Climatic zone: polar

Continent:

Country:

Locality:

Year:

Isolated by:

Strain number by isolator: KA CB1

Deposition:

Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria)

Identical strains:

Special properties:

Publication:

Sequence information

Accession:

Size:

Length [μm]:

Width [μm]:

Striae $10 \mu\text{m}^{-1}$:

Fibulae $10 \mu\text{m}^{-1}$:

Bacillariophyceae

Strain PD CCMP2743

Taxonomy

Genus: Navicula

Species: glaciei

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: polar

Continent: Antarctica

Ocean: Southern

Sea: Ross Sea

Locality: 76.5050S 167.0227E near Beaufort Island, southern Ross Sea

Year: 31.12.2005

Isolated by: Andersen, RA

Collected by: Lee, P & Neeles, A

Strain Synonyms A11,141

Deposition:

Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria)

Identical strains:

Sequence information

Accession:

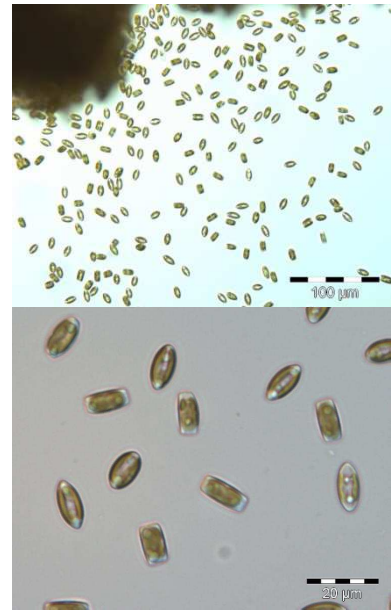
Size:

Length [μm]:

Width [μm]:

Striae $10 \mu\text{m}^{-1}$:

Fibulae $10 \mu\text{m}^{-1}$:



Bacillariophyceae

Strain PD CCMP2744

Taxonomy

Genus: Navicula

Species: glaciei

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: polar

Continent: Antarctica

Ocean: Southern

Sea: Ross Sea

Locality: 76.5050S 167.0227E near Beaufort Island, southern Ross Sea

Year: 31.12.2005

Isolated by: Andersen, RA

Collected by: Lee, P & Neeles, A

Strain Synonyms A11,142

Deposition:

Culture information

Culture medium: F/2 Medium, steril filtrated Seawater (Baltic Sea), 33PSU

Axenic: no (bacteria)

Identical strains:

Sequence information

Accession:

Size:

Length [μm]:

Width [μm]:

Striae $10\ \mu\text{m}^{-1}$:

Fibulae $10\ \mu\text{m}^{-1}$:

