

Bacillariophyceae

Strain OD 01

Old Strain Number OD 22_5

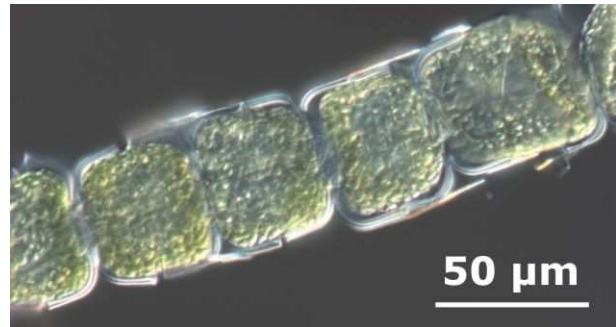
Taxonomy

Genus: *Melosira*

Species: *moniliformis* (O.F. Müller)

Agardh 1824

Division: Bacillariophyta



Origin

Habitat: marine

Climatic zone: temperate

Country: Germany

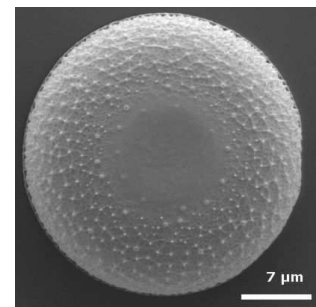
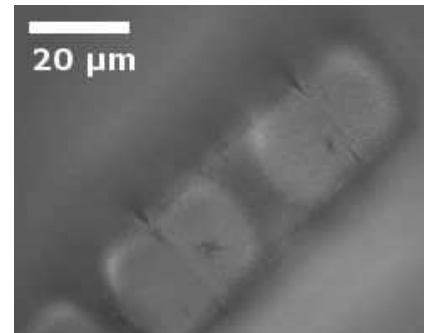
Locality: sandy sediments Boiensdorfer Werder, Southern Baltic Sea

Year: 2011

Isolated by: Nadine Dolata

Strain number by isolator: OD22

Deposition: yes, benthic species



Culture information

Culture medium: liquid F/2 Medium, sterile filtrated Seawater (Baltic Sea), 15 PSU

Conditions 15°C

Axenic: no (bacteria)

Identical strains: OD02

Special properties:

Publication: Diploma thesis Antje Schoknecht (Apr. 2012),

„Ökophysiologie sowie Primärproduktion benthischer Diatomeen aus der südlichen Ostsee“

Foto1: A. Schoknecht DIC, Foto 2
J. Wölfel Schalenpräparat, Foto 3
EMZ UniRo, Präparat: E. Walter

Sequence information

Accession: Thomas Pröschold

Size:

Length 5-20 µm

Width 2-4 µm

Striae 10 µm⁻¹: 14-20

Fibulae 10 µm⁻¹: none

Bacillariophyceae

Strain OD02

Old Strain Number: OD22_6

Taxonomy

Genus: Melosira

Species:

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

Habitat: marin

Climatic zone: temperate

Country: Germany

Locality: sandy sediments Boiensdorfer

Werder, Southern Baltic Sea

Year: 2011

Isolated by: Nadine Dolata

Strain number by isolator: OD22

Deposition: yes, benthic species

Culture information

Culture medium: liquid F/2 Medium, sterile filtrated Seawater (Baltic Sea), 15 PSU

Conditions 15°C

Axenic: no (bacteria)

Identical strains: probably OD01

Special properties:

Publication:

Sequence information

Accession:

Size:

Length

Width

Striae 10 μm^{-1} :

Fibulae 10 μm^{-1} :

Bacillariophyceae

Strain OD03

Old Strain Number: OD15

Taxonomy

Genus: Diatoma

Species:

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: temperate

Country: Germany

Locality: sandy sediments Boiensdorfer

Werder, Southern Baltic Sea

Year: 2011

Isolated by: Nadine Dolata

Strain number by isolator: OD15

Deposition: yes, benthic species

Culture information

Culture medium: liquid F/2 Medium, sterile filtrated Seawater (Baltic Sea), 15 PSU

Conditions 15°C

Axenic: no (bacteria)

Identical strains:

Special properties:

Publication:

Sequence information

Accession:

Size:

Length

Width

Striae 10 μm^{-1} :

Fibulae 10 μm^{-1} :

Bacillariophyceae

Strain OD04

Old Strain Number: OD8_13

Taxonomy

Genus: Amphora

Species:

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: temperate

Country: Germany

Locality: sandy sediments Boiensdorfer

Werder, Southern Baltic Sea

Year: 2011

Isolated by: Nadine Dolata

Strain number by isolator: OD8_13

Deposition: yes, benthic species

Culture information

Culture medium: liquid F/2 Medium, sterile filtrated Seawater (Baltic Sea), 15 PSU (see appendix)

Conditions: 15°C

Axenic: no (bacteria)

Identical strains: probably OD_05

Special properties:

Publication:

Sequence information

Accession:

Size

Length:

Width:

Striae 10 μm^{-1} :

Fibulae 10 μm^{-1} :

Bacillariophyceae

Strain OD05

Old Strain Number: OD8_7

Taxonomy

Genus: Amphora

Species:

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: temperate

Country: Germany

Locality: sandy sediments Boiensdorfer

Werder, Southern Baltic Sea

Year: 2011

Isolated by: Nadine Dolata

Strain number by isolator: OD8_7

Deposition: yes, benthic species

Culture information

Culture medium: liquid F/2 Medium, sterile filtrated Seawater (Baltic Sea), 15 PSU (see appendix)

Conditions: 15°C

Axenic: no (bacteria)

Identical strains: probably OD04

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 OD06

Old Strain Number: OD3_2

Taxonomy

Genus: Amphora 2

Species:

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: temperate

Country: Germany

Locality: sandy sediments Boiensdorfer

Werder, Southern Baltic Sea

Year: 2011

Isolated by: Nadine Dolata

Strain number by isolator: OD3_2

Deposition: yes, benthic species

Culture information

Culture medium: liquid F/2 Medium, sterile filtrated Seawater (Baltic Sea), 15 PSU (see appendix)

Conditions: 15°C

Axenic: no (bacteria)

Identical strains:

Special properties:

Publication:

Sequence information

Accession:

Size

Length:

Width:

Striae 10 μm^{-1} :

Fibulae 10 μm^{-1} :

Bacillariophyceae

Strain OD07

Old Strain Number: OD14_2

Taxonomy

Genus: *Entomoneis*

Species: *paludosa* (W. Smith)
Reimer 1975

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: temperate

Country: Germany

Locality: sandy sediments Boiensdorfer
Werder, Southern Baltic Sea

Year: 2011

Isolated by: Nadine Dolata

Strain number by isolator: OD14_2

Deposition: yes, benthic species

Culture information

Culture medium: liquid F/2 Medium, sterile filtrated Seawater (Baltic Sea), 15 PSU (see appendix)

Conditions: 15°C

Axenic: no (bacteria)

Identical strains: probably OD08

Special properties:

Publication:

Sequence information

Accession: Thomas Pröschold

Size

Length: 43-49 μm

Width: 34-38 (thickest part), 22-28 μm (thinnest part)

Striae 10 μm^{-1} : -

Fibulae 10 μm^{-1} : -

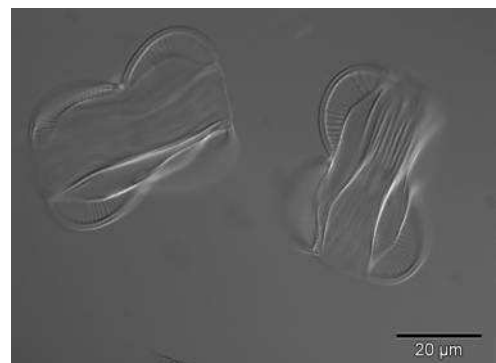


Foto1: A. Schoknecht DIC, Foto 2
J. Wölfel Schalenpräparat

Bacillariophyceae

Strain OD08

Old Strain Number: OD14_1

Taxonomy

Genus: Entomoneis

Species:

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: temperate

Country: Germany

Locality: sandy sediments Boiensdorfer

Werder, Southern Baltic Sea

Year: 2011

Isolated by: Nadine Dolata

Strain number by isolator: OD14_1

Deposition: yes, benthic species

Culture information

Culture medium: liquid F/2 Medium, sterile filtrated Seawater (Baltic Sea), 15 PSU (see appendix)

Conditions: 15°C

Axenic: no (bacteria)

Identical strains: probably OD07

Special properties:

Publication:

Sequence information

Accession:

Size

Length:

Width:

Striae 10 μm^{-1} :

Fibulae 10 μm^{-1} :

Bacillariophyceae

Strain OD09

Old Strain Number: OD3_7

Taxonomy

Genus: Entomoneis 2

Species:

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: temperate

Country: Germany

Locality: sandy sediments Boiensdorfer

Werder, Southern Baltic Sea

Year: 2011

Isolated by: Nadine Dolata

Strain number by isolator: OD3_7

Deposition: yes, benthic species

Culture information

Culture medium: liquid F/2 Medium, sterile filtrated Seawater (Baltic Sea), 15 PSU (see appendix)

Conditions: 15°C

Axenic: no (bacteria)

Identical strains: probably OD07

Special properties:

Publication:

Sequence information

Accession:

Size

Length:

Width:

Striae 10 μm^{-1} :

Fibulae 10 μm^{-1} :

Bacillariophyceae

Strain OD10

Old Strain Number: OD43_1

Taxonomy

Genus: *Suriella*

Species: *brebissonii*

Krammer & Lange-Bertalot 1987

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: temperate

Country: Germany

Locality: sandy sediments Boiensdorfer Werder, Southern Baltic Sea

Year: 2011

Isolated by: Nadine Dolata

Strain number by isolator: OD43_1

Deposition: yes, benthic species

Culture information

Culture medium: liquid F/2 Medium, sterile filtrated Seawater (Baltic Sea), 15 PSU (see appendix)

Conditions: 15°C

Axenic: no (bacteria)

Identical strains: probably OD11

Special properties:

Publication:

Sequence information

Accession: Thomas Pröschold

Size

Length: 20-27 μm

Width: 14-18 μm

Striae 10 μm^{-1} : 14-16

Fibulae 10 μm^{-1} : none

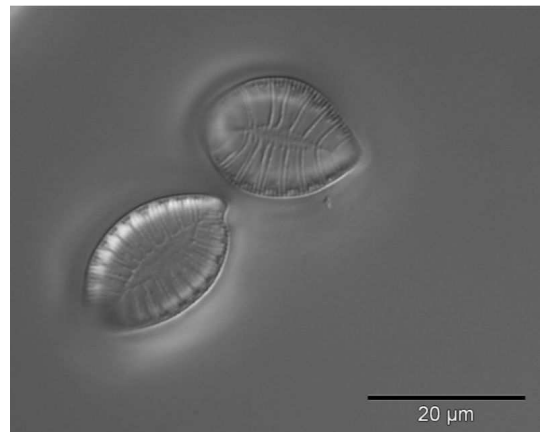


Foto1: A. Schoknecht DIC, Foto 2
J. Wölfel Schalenpräparat

Bacillariophyceae

Strain OD11

Old Strain Number: OD43_2

Taxonomy

Genus: *Suriella*

Species:

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: temperate

Country: Germany

Locality: sandy sediments Boiensdorfer

Werder, Southern Baltic Sea

Year: 2011

Isolated by: Nadine Dolata

Strain number by isolator: OD43_2

Deposition: yes, benthic species

Culture information

Culture medium: liquid F/2 Medium, sterile filtrated Seawater (Baltic Sea), 15 PSU (see appendix)

Conditions: 15°C

Axenic: no (bacteria)

Identical strains: probably OD10

Special properties:

Publication:

Sequence information

Accession:

Size

Length:

Width:

Striae 10 μm^{-1} :

Fibulae 10 μm^{-1} :

Bacillariophyceae

Strain OD12

Old Strain Number: OD12_1

Taxonomy

Genus: Nitzschia

Species:

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: temperate

Country: Germany

Locality: sandy sediments Boiensdorfer

Werder, Southern Baltic Sea

Year: 2011

Isolated by: Nadine Dolata

Strain number by isolator: OD12_1

Deposition: yes, benthic species

Culture information

Culture medium: liquid F/2 Medium, sterile filtrated Seawater (Baltic Sea), 15 PSU (see appendix)

Conditions: 15°C

Axenic: no (bacteria)

Identical strains: probably OD13

Special properties:

Publication:

Sequence information

Accession:

Size

Length:

Width:

Striae 10 μm^{-1} :

Fibulae 10 μm^{-1} :

Bacillariophyceae

Strain OD13

Old Strain Number: OD12_6

Taxonomy

Genus: Nitzschia

Species:

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: temperate

Country: Germany

Locality: sandy sediments Boiensdorfer

Werder, Southern Baltic Sea

Year: 2011

Isolated by: Nadine Dolata

Strain number by isolator: OD12_6

Deposition: yes, benthic species

Culture information

Culture medium: liquid F/2 Medium, sterile filtrated Seawater (Baltic Sea), 15 PSU (see appendix)

Conditions: 15°C

Axenic: no (bacteria)

Identical strains: probably OD12

Special properties:

Publication:

Sequence information

Accession:

Size

Length:

Width:

Striae 10 μm^{-1} :

Fibulae 10 μm^{-1} :

Bacillariophyceae

Strain OD14

Old Strain Number: OD33_1

Taxonomy

Genus: *Staurosira*

Species: *elliptica* (Schumann)
Williams & Round 1987

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: temperate

Country: Germany

Locality: sandy sediments Boiensdorfer Werder, Southern Baltic Sea

Year: 2009

Isolated by: Franziska Rüdiger

Strain number by isolator: OD33_1

Deposition: yes, benthic species

Culture information

Culture medium: liquid F/2 Medium, sterile filtrated Seawater (Baltic Sea), 15 PSU

Conditions: 15°C

Axenic: no (bacteria)

Identical strains: probably OD15

Special properties:

Publication: Diploma thesis Antje Schoknecht (Apr. 2012),

„Ökophysiologie sowie Primärproduktion benthischer Diatomeen aus der südlichen Ostsee“

Sequence information

Accession: Thomas Pröschold

Size

Length: 6-8 μm

Width: 5-7 μm

Striae 10 μm^{-1} : 18-20

Fibulae 10 μm^{-1} : none

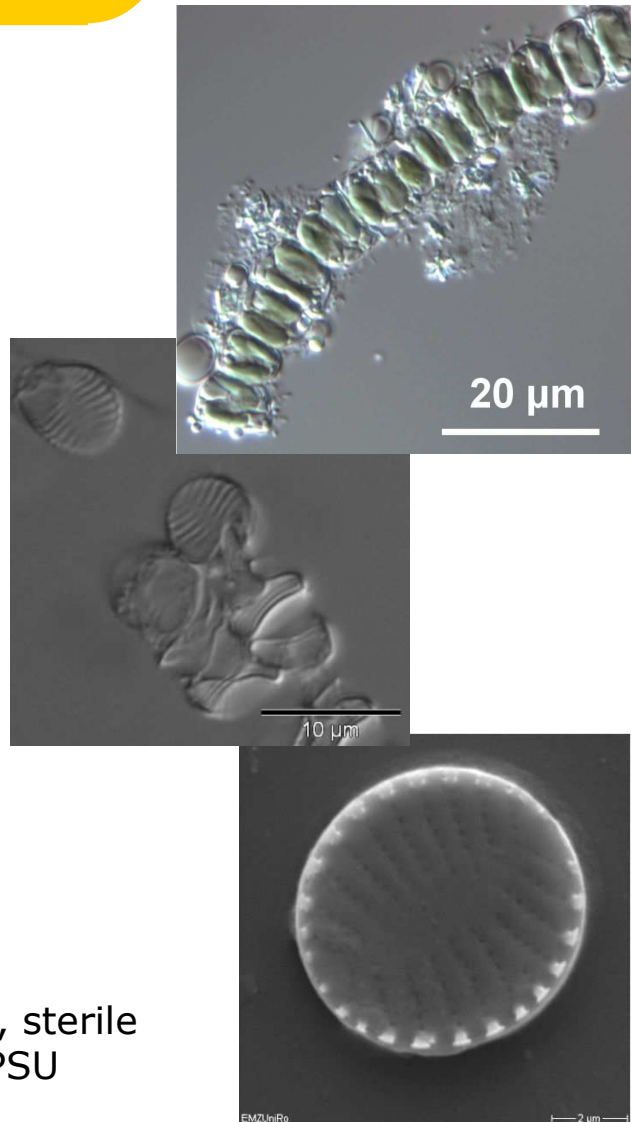


Foto1: A. Schoknecht DIC, Foto 2 J. Wölfel Schalenpräparat, Foto 3 EMZ UniRo, Präparat: E. Walter

Bacillariophyceae

Strain OD15

Old Strain Number: OD33_2

Taxonomy

Genus: Staurosira

Species:

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marine

Climatic zone: temperate

Country: Germany

Locality: sandy sediments Boiensdorfer

Werder, Southern Baltic Sea

Year: 2009

Isolated by: Franziska Rüdiger

Strain number by isolator: OD33_2

Deposition: yes, benthic species

Culture information

Culture medium: liquid F/2 Medium, sterile filtrated Seawater (Baltic Sea), 15 PSU (see appendix) 15°C

Axenic: no (bacteria)

Identical strains: probably OD14

Special properties:

Publication:

Sequence information

Accession:

Size

Length:

Width:

Striae 10 μm^{-1} :

Fibulae 10 μm^{-1} :

Bacillariophyceae

Strain OD16

Old Strain Number: OD03

Taxonomy

Genus: *Navicula*

Species: *perminuta* Grunow in Van Heurck
1880 non Østrup 1913

Origin

General habitat: marine

Climatic zone: temperate

Country: Germany

Locality: sandy sediments Boiensdorfer
Werder, Southern Baltic Sea

Year: 2009

Isolated by: Franziska Rüdiger

Strain number by isolator: OD03

Deposition: yes, benthic species

Culture information

Culture medium: liquid F/2 Medium, sterile
filtrated Seawater (Baltic Sea), 15 PSU

Conditions: 15°C

Axenic: no (bacteria)

Identical strains:

Special properties:

Publications: 1. Diploma thesis Antje Schoknecht (2012), "Ökophysiologie sowie Primärproduktion benthischer Diatomeen aus der südl. Ostsee", 2. Bachelorarbeit Elisabeth Walter (2012) "Primärproduktion einer benthischen Diatomee *Navicula perminuta* unter verschiedenen Kultivierungsbedingungen"

Sequence information

Accession: Thomas Pröschold

Size

Length: 5-7 μm , Width: 2-3 μm

Striae 10 μm^{-1} : 18-22

Fibulae 10 μm^{-1} : none

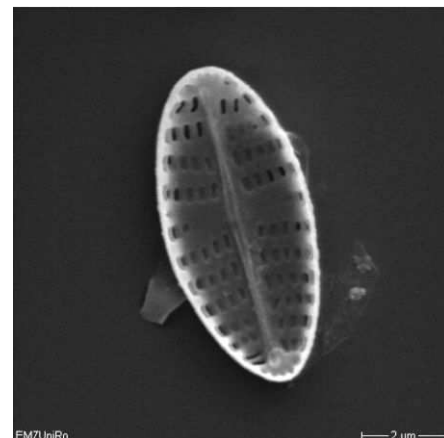
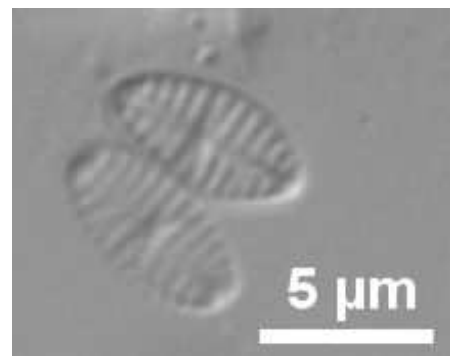
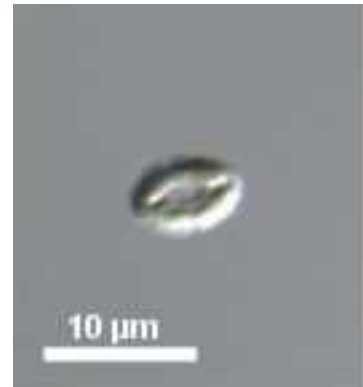


Foto1: A. Schoknecht DIC, Foto 2 J. Wölfel Schalenpräparat, Foto 3 EMZ UniRo, Präparat: E. Walter

Bacillariophyceae

Strain OD17

Old Strain Number: OD12_8

Taxonomy

Genus: *Navicula* 1

Species:

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: temperate

Country: Germany

Locality: sandy sediments Boiensdorfer

Werder, Southern Baltic Sea

Year: 2009

Isolated by: Franziska Rüdiger

Strain number by isolator: OD12_8

Deposition: yes, benthic species

Culture information

Culture medium: liquid F/2 Medium, steril filtrated Seawater (Baltic Sea), 15 PSU (see appendix)

Conditions: 15°C

Axenic: no (bacteria)

Identical strains:

Special properties:

Publication:

Sequence information

Accession:

Size

Length:

Width:

Striae 10 μm^{-1} :

Fibulae 10 μm^{-1} :

Bacillariophyceae

Strain OD18

Old Strain Number: OD27

Taxonomy

Genus: Navicula 2

Species:

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: temperate

Country: Germany

Locality: sandy sediments Boiensdorfer

Werder, Southern Baltic Sea

Year: 2009

Isolated by: Franziska Rüdiger

Strain number by isolator: OD27

Deposition: yes, benthic species

Culture information

Culture medium: liquid F/2 Medium, steril filtrated Seawater (Baltic Sea), 15 PSU (see appendix)

Conditions: 15°C

Axenic: no (bacteria)

Identical strains:

Special properties:

Publication:

Sequence information

Accession:

Size

Length:

Width:

Striae 10 μm^{-1} :

Fibulae 10 μm^{-1} :

Bacillariophyceae

Strain OD19

Old Strain Number: OD41_1

Taxonomy

Genus: Navicula/Amphora

Species:

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: temperate

Country: Germany

Locality: sandy sediments Boiensdorfer

Werder, Southern Baltic Sea

Year: 2011

Isolated by: Nadine Dolata

Strain number by isolator: OD41_1

Deposition: yes, benthic species

Culture information

Culture medium: liquid F/2 Medium, steril filtrated Seawater (Baltic Sea), 15 PSU (see appendix)

Conditions: 15°C

Axenic: no (bacteria)

Identical strains: probably OD20

Special properties:

Publication:

Sequence information

Accession:

Size

Length:

Width:

Striae 10 μm^{-1} :

Fibulae 10 μm^{-1} :

Bacillariophyceae

Strain OD20

Old Strain Number: OD41_3

Taxonomy

Genus: Navicula/Amphora

Species:

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: temperate

Country: Germany

Locality: sandy sediments Boiensdorfer

Werder, Southern Baltic Sea

Year: 2011

Isolated by: Nadine Dolata

Strain number by isolator: OD41_3

Deposition: yes, benthic species

Culture information

Culture medium: liquid F/2 Medium, steril filtrated Seawater (Baltic Sea), 15 PSU (see appendix)

Conditions: 15°C

Axenic: no (bacteria)

Identical strains: probably OD19

Special properties:

Publication:

Sequence information

Accession:

Size

Length:

Width:

Striae 10 μm^{-1} :

Fibulae 10 μm^{-1} :

Bacillariophyceae

Strain OD21

Old Strain Number: OD84_1

Taxonomy

Genus: Navicula 3

Species:

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: temperate

Country: Germany

Locality: sandy sediments Boiensdorfer

Werder, Southern Baltic Sea

Year: 2009

Isolated by: Franziska Rüdiger

Strain number by isolator: OD84_1

Deposition: yes, benthic species

Culture information

Culture medium: liquid F/2 Medium, steril filtrated Seawater (Baltic Sea), 15 PSU (see appendix)

Conditions: 15°C

Axenic: no (bacteria)

Identical strains: probably OD22

Special properties:

Publication:

Sequence information

Accession:

Size

Length:

Width:

Striae 10 μm^{-1} :

Fibulae 10 μm^{-1} :

Bacillariophyceae

Strain OD22

Old Strain Number: OD84_2

Taxonomy

Genus: Navicula 3

Species:

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: temperate

Country: Germany

Locality: sandy sediments Boiensdorfer

Werder, Southern Baltic Sea

Year: 2009

Isolated by: Franziska Rüdiger

Strain number by isolator: OD84_2

Deposition: yes, benthic species

Culture information

Culture medium: liquid F/2 Medium, steril filtrated Seawater (Baltic Sea), 15 PSU (see appendix)

Conditions: 15°C

Axenic: no (bacteria)

Identical strains: probably OD21

Special properties:

Publication:

Sequence information

Accession:

Size

Length:

Width:

Striae 10 μm^{-1} :

Fibulae 10 μm^{-1} :

Bacillariophyceae

Strain OD23

Old Strain Number: OD8_3

Taxonomy

Genus: *Cylindrotheca*

Species:

Division: Bacillariophyta

Class: Bacillariophyceae

Origin

General habitat: marin

Climatic zone: temperate

Country: Germany

Locality: sandy sediments Boiensdorfer

Werder, Southern Baltic Sea

Year: 2009

Isolated by: Nadine Dolata

Strain number by isolator: OD8_3

Deposition: yes, benthic species

Culture information

Culture medium: liquid F/2 Medium, steril filtrated Seawater (Baltic Sea), 15 PSU (see appendix)

Conditions: 15°C

Axenic: no (bacteria)

Identical strains:

Special properties:

Publication:

Sequence information

Accession:

Size

Length:

Width:

Striae 10 μm^{-1} :

Fibulae 10 μm^{-1} :