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| --- | --- | --- | --- | --- | --- |
| Taxon Name | code | Distribution | mean | max | sd |
| *Diatoma problematica* Lange-Bertalot | DAproble | Widely | 4.51 | 80.40 | 18.94 |
| *Diatoma tenuis* Agardh | DAten | Widely | 12.42 | 49.00 | 15.08 |
| *Fragilaria capucina* (complex) Desmazières | FRcapcpx | Widely | 7.34 | 39.60 | 10.20 |
| *Rossithidium petersennii* (Hustedt) Round et Bukhtiyarova | RSpeters | Widely | 7.05 | 38.80 | 10.11 |
| *Eucocconeis laevis* (Østrup) Lange-Bertalot | ESlaevis | Widely | 3.06 | 37.40 | 9.43 |
| *Nitzschia alpina* Hustedt | NIalpina | Widely | 4.13 | 31.20 | 8.93 |
| *Psammothidium marginulatum* (Grunow)Bukhtiyarova et Round | PSmargin | Widely | 2.47 | 24.00 | 5.69 |
| *Tabellaria flocculosa* (Roth) Kützing | TAfloccu | Widely | 1.67 | 23.80 | 5.59 |
| *Nitzschia homburgiensis* Lange-Bertalot | NIhombur | Widely | 2.28 | 23.60 | 5.58 |
| *Diadesmis gallica* Smith | DIgallic | Widely | 2.06 | 22.60 | 5.63 |
| *Chamaepinnularia gandrupii* (Petersen) Lange-Bertalot et Krammer | CQgandru | Circumpolar | 4.65 | 21.60 | 7.26 |
| *Nitzschia perminuta* (Grunow) Peragallo | NIpermin | Widely | 7.96 | 21.40 | 7.08 |
| *Encyonema fogedii* [complex] Krammer | ECfogcpx | Unknown | 3.14 | 19.20 | 6.00 |
| *Fragilaria cf. perminuta* (Grunow) Lange-Bertalot | FRpermcf | Widely | 2.00 | 17.00 | 4.50 |
| *Meridion circulare* (Greville) Agardh | MDcircul | Widely | 1.16 | 16.00 | 3.74 |
| *Achnanthidium minutissimum* (Kützing) Czarnecki | AHminuti | Widely | 1.27 | 15.60 | 3.62 |
| *Hygropetra balfouriana* Grunow ex Cleve | HGbalfou | Widely | 3.02 | 15.00 | 5.17 |
| *Encyonema silesiacum* (Bleisch) Mann | ECsilesi | Widely | 0.88 | 14.80 | 3.48 |
| *Naviculadicta digituloides* Lange-Bertalot | NVdigdes | Widely | 0.77 | 12.60 | 2.96 |
| *Cymbella botellus* (Lagerstedt) Schmidt | CMbotell | Circumpolar | 0.83 | 11.00 | 2.59 |
| *Psammothidium kryophilum* (Petersen) E. Reichardt | PSkryoph | Widely | 1.52 | 10.80 | 3.07 |
| *Psammothidium sp1* (in Antoniades, 2009) | PSsp1ant | Circumpolar | 1.26 | 9.40 | 2.87 |
| *Nitzschia cf. sublinearis* Hustedt | NIsublcf | Circumpolar | 1.04 | 9.40 | 2.93 |
| *Hippodonta arctica* (Patrick & Freese)Lange-Bertalot, Metzeltin & Witkowski | HIarctic | Circumpolar | 0.56 | 9.34 | 2.19 |
| *Hannaea arcus* (Ehrenberg) Patrick | HNarcus | Widely | 0.61 | 9.20 | 2.15 |
| *Cymbella cleve-eulerae* Krammer | CMcleveu | Circumpolar | 0.69 | 8.60 | 2.08 |
| *Denticula tenuis* Kützing | DEtenuis | Widely | 0.44 | 7.80 | 1.84 |
| *Nitzschia acidoclinata* Lange-Bertalot | NIacidcn | Widely | 0.94 | 7.60 | 2.26 |
| *Nitzschia* spA | NIsp\_A | Unknown | 0.69 | 7.40 | 2.02 |
| *Psammothidium helveticum* (Hustedt) Bukhtiyarova et Round | PShelvet | Widely | 0.51 | 7.40 | 1.74 |
| *Staurosirella pinnata* (Ehrenberg) Williams et Round | SApinnat | Widely | 0.70 | 7.00 | 1.96 |
| *Cymbopleura stauroneiformis* (Lagerstedt) K.Krammer | CBstauro | Circumpolar | 0.80 | 5.20 | 1.64 |
| *Humidophila laevissima* (P.T.Cleve) Lowe, Kociolek, Johansen, Van de Vijver, Lange-Bertalot & Kopalová | DIlaevis | Circumpolar | 0.64 | 5.20 | 1.34 |
| *Parlibellus protracta (Grunow) Witkowski, Lange-Bertalot et Metzeltin* | PBprotr | Widely | 0.28 | 5.12 | 1.21 |
| *Diadesmis* spA | DIsp\_A | Circumpolar | 0.30 | 5.00 | 1.18 |
| *Humidophila ingeiiformis* (P.B.Hamilton & D.Antoniades) Lowe, Kociolek*,* Johansen, Van de Vijver, Lange-Bertalot & Kopalová | DIingicf | Circumpolar | 0.70 | 4.60 | 1.18 |
| *Planothidium peragalloi* (J.Brun & Héribaud-Joseph) Round & L.Bukhtiyarova | PTperaga | Widely | 0.36 | 4.20 | 1.09 |
| *Navicula* spB | NAsp\_B | Unknown | 0.22 | 3.92 | 0.92 |
| *Psammothidium* grischunum (Wuthrich) Bukhtiyarova et Round | PSgrisch | Widely | 0.27 | 3.80 | 0.89 |
| *Gomphonema lapponicum* (A.Cleve) Cleve-Euler | GOlappon | Circumpolar | 0.24 | 3.80 | 0.89 |
| *Encyonema vulgare* Krammer | ECvulgar | Widely | 0.21 | 3.80 | 0.90 |
| *Navicula bjoernoeyaensis* Metzeltin, Witkowski & Lange-Bertalot | NAbjoern | Circumpolar | 0.26 | 3.61 | 0.85 |
| *Encyonema spitsbergense* Krammer | ECspibaf | Circumpolar | 0.26 | 3.40 | 0.83 |
| *Encyonema reichardtii* (Krammer) Mann | ECreicha | Widely | 0.31 | 3.20 | 0.92 |
| *Gomphonema nathorstii* Foged | Gonathor | Circumpolar | 0.24 | 3.20 | 0.77 |
| *Amphora cf. copulata* (Kützing) Schoeman et Archibald | AMcopucf | Widely | 0.30 | 3.00 | 0.78 |
| *Amphora dusenii* Brunnthaler | Amduseni | Circumpolar | 0.21 | 3.00 | 0.70 |
| *Caloneis fusus* Hamilton & Antoniades | CAfusus | Circumpolar | 0.43 | 2.80 | 0.79 |
| *Stauroneis agrestis* Petersen | SSagrest | Circumpolar | 0.16 | 2.41 | 0.57 |
| *Stauroneis prominula* (Grunow) Hustedt | SSpromin | Circumpolar | 0.13 | 2.41 | 0.57 |
| *Caloneis* spA | CAsp\_A | Circumpolar | 0.36 | 2.40 | 0.71 |
| *Eunotia scandiorussica* M.Kulikovskiy, H.Lange-Bertalot, S.Genkal & A.Witkowski | EUscdrus | Circumpolar | 0.24 | 2.40 | 0.63 |
| *Sellaphora rectangularis* (Gregory) Lange-Bertalot et Metzeltin | SFrectan | Unknown | 0.24 | 2.40 | 0.71 |
| *Nitzschia pura* Hustedt | NIpura | Widely | 0.33 | 2.20 | 0.61 |
| *Cymbella af. Subarctica* | CMsubaaf | Unknown | 0.24 | 2.20 | 0.60 |
| *Luticola palaearctica (Hustedt)* Mann | LUpalear | Circumpolar | 0.15 | 2.11 | 0.50 |
| *Placoneis* spA | PC\_spA | Unknown | 0.13 | 2.11 | 0.50 |
| *Caloneis holarctica* Kulikovskiy, Lange-Bertalot & Witkowski | CAholart | Circumpolar | 0.27 | 2.00 | 0.54 |
| *Eucocconeis cf. flexella* (Kützing) Cleve | ESflexel | Unknown | 0.27 | 2.00 | 0.54 |
| *Gomphonema subarcticum* Lange-Bertalot & E.Reichardt | GOsubarc | Circumpolar | 0.14 | 2.00 | 0.47 |
| *Boreozonacola hustedtii* Lange-Bertalot, Kulikovskiy & Witkowski | BOhusdet | Circumpolar | 0.11 | 2.00 | 0.47 |