

Rostocker Meeresbiologische Beiträge



Species...:and synonym list

Heft 21

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Species and synonym list of the German marine macroalgae

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Vorwort

Das vorliegende Heft enthält, im Gegensatz zu seinen Vorgängern, nur einen Artikel – die Artenliste mariner Makroalgen Deutschlands. Was es trotzdem zu einem geradezu übervollen Heft macht, ist die Vielzahl der Synonyme, deren hier vorgenommene Zuordnung zu den gegenwärtig verwendeten Namen eine enorm zeitaufwändige Arbeit war. Über mehrere Jahre hinweg lief, finanziert über die verschiedensten Quellen, eine Suche nach Belegen, Literaturquellen sowie das mühsame Entziffern handschriftlicher Exkursionsprotokolle, um zunächst Vollständigkeit hinsichtlich der historischen Daten zu gewährleisten und man mag sich zunächst fragen, warum dieser Aufwand betrieben wurde.

Der Hauptauslöser war, dass bereits während der Kartierungsarbeiten zur Verbreitung der Characeen in den Ostsee-Küstengewässern Mitte der neunziger Jahre durch Mohamed Yousef das Fehlen einer Synonymliste das Erstellen einer Übersicht zum historischen Vorkommen dieser Algengruppe zu einem frustrierenden Vorhaben machte. Und es dauerte tatsächlich bis 2004, bis es dem leider viel zu früh verstorbenen Christian Blümel gelungen war, sämtliche Synonyme nicht nur aufzulisten, sondern auch deren Validität zu überprüfen, Typexemplare zu lokalisieren und eine Übersicht zur Nomenklatur der Ostsee-Armeleuchteralgen zu publizieren.

Angesichts der weitaus größeren Anzahl von Makroalgenarten wird diese Vollständigkeit der Arbeit im vorliegenden Artikel nicht erreicht. Eine Überprüfung der Validität und eine Durchsicht der Typexemplare waren bei diesem Umfang nicht erreichbar. Jedoch ist bereits die hier vorgenommene Zuordnung von Synonymen zu gegenwärtig verwendeten Namen eine unschätzbare Hilfe für alle diejenigen, die sich der Aufgabe unterziehen, Angaben zur historischen Verbreitung von Makroalgenarten zusammenzustellen.

Mehr noch, die hier ebenfalls vorgenommene Unterlegung mit Angaben zur Verbreitung in den einzelnen Meeresregionen erlaubt die Zusammenstellung regionaler Checklisten, einem wichtigen Handwerkszeug für den Feldphykologen.

Die Autoren hoffen, auf diese Weise einen Beitrag gegen die Erosion taxonomischer Artkenntnis zu liefern, die nicht nur in der fortgesetzten Ausdünnung von Lehrstühlen und Kustodenstellen dieser Ausrichtung begründet ist, sondern auch das Resultat einer zunehmend lax gehandhabten Anwendung der Regeln der ICBN ist. Anträge auf Änderung eines Artnamens werden, besonders im Bereich der Phykologie, häufig gar nicht erst bei der ICBN gestellt, sondern auf Grund eines in einem publizierten Artikel geäußerten Vorschlages unmittelbar angewandt, bevor eine Prüfung der Validität vorgenommen wurde. Am gravierendsten sind hier die Folgen, wenn Gattungsnamen geändert werden bzw. Gattungen zusammengeführt werden, ohne dass die Folgen für die darin enthaltenen Artnamen überprüft und Lösungen für die sich daraus ergebenden nomenklatorischen Probleme aufgezeigt wurden. Natürlich birgt ein phenetisch ausgerichtetes Artkonzept wie das in der Botanik verwendete zahlreiche Gründe für Umbenennungen und Umsortierungen in sich – gerade deshalb aber ist eine Beachtung der Nomenklaturregeln unumgänglich und es sollte in der Zukunft wieder stärker darauf geachtet werden, dass hier der Schaden infolge von Schnellschüssen durch Prüfung der Vorschläge durch die Nomenklaturkommission der ICBN begrenzt wird.

Dass dies in der Vergangenheit nicht immer der Fall war ist der Grund dafür, dass im obigen Abschnitt nur vorsichtig von „gegenwärtig verwendeten Namen“, nicht jedoch von „gültigen Namen“ gesprochen wird – viele Umbenennungen sind, obwohl niemals von der ICBN anerkannt, mittlerweile derart „gebräuchlich“, dass

eine Angabe des „letzten gültigen Namens“, wenn überhaupt noch ermittelbar, müßig wäre.

Genau deshalb aber ist der vorliegende Artikel in der altbewährten Form eines gedruckten Werkes erschienen – genau wie es uns oft sehr schwer fiel, die Synonyme zuzuordnen, die im Laufe des letzten Jahrhunderts verwendet wurden, wird es auch zukünftigen Generationen sehr schwer fallen, eine Zuordnung vorzunehmen in Fällen, in denen die Umbenennung nie bis in die Listen der ICBN vorgedrungen ist. Die Hoffnung, dass dann noch eine Rückverfolgung anhand von Websites wie z.B. der hervorragenden algaebase von M. Guiry möglich sein wird, ist marginal. Das soll den Wert dieser einzigartigen Sammlung von taxonomischen Angaben zu Makroalgenarten keinesfalls schmälern – die vorliegende Arbeit hätte ohne diese Datenbasis ein Vielfaches an Zeit beansprucht. Im Gegenteil, M. Guiry, der für die gigantische Arbeit an dieser Datenbasis in diesem Jahr von der International Phycological Society ausgezeichnet wurde, sei auch von den Autoren großer Dank ausgesprochen für diese Datensammlung, die häufig den ersten Anhaltspunkt bei der Suche zur Zuordnung von Synonymen lieferte. Vor allem in der Anfangsphase des Projektes wurde derart häufig auf algaebase als „Ersteinstieg“ zugegriffen, dass M. Guiry bereits besorgt anfragte, ob hier in Rostock jemand versucht, seine Website zu attackieren.

Mit dem Vorliegen der Liste in gedruckter Form hoffen wir, dass durch das Vorliegen eines Zeitschnittes zu den gegenwärtig verwendeten Namen sowie die Zuordnung der früheren Synonyme künftigen Taxonomen die Arbeit erleichtert wird. Gleichzeitig möchten wir alle Leser dieses Heftes bitten, im Fall von Hinweisen, Ergänzungen und Kommentaren sich an einen der Autoren zu wenden – nachdem dieses Gebiet so lange brach gelegen hat wäre es gut, wieder eine intensivere Bearbeitung, vielleicht sogar bis zur Erreichung des Fernzieles einer Liste mit Vollständigkeitsanspruch auch bezüglich der Nomenklatur zu initiieren.

Dieses Heft, und darauf sei an dieser Stelle gesondert hingewiesen, ist das erste Heft der Rostocker Meeresbiologischen Beiträge, welches als Ergebnis der Zusammenarbeit im Rahmen der interdisziplinären Fakultät der Universität Rostock entstanden ist. Die Bearbeitung erfolgte im Departement „Maritime Systeme“, welches eine der drei Profillinien der Universität repräsentiert und die schnelle Drucklegung wäre ohne diese Struktur in dieser Weise nicht möglich gewesen.

Rostock, Oktober 2009

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Species and synonym list of the German marine macroalgae based on historical and recent records

Arten- und Synomliste der Makroalgen in den Deutschen Küstengewässern –
Auswertung von historischen und rezenten Befunden

Abstract

A summary of all macroalgal records to occur in the German water bodies of the North Sea and the Baltic Sea during the last 190 years are presented, with their synonymes. All available literature and herbarium collections were revised and a potential species list was compiled. Therefore, the list reflects the sum of all records between 1819 and 2008 and not the actual presence of macroalgae along the German coast. 469 species have been recorded since 1819 including insecure registrations and single observations. Species richness decreases rapidly from the subtidal areas and the rocky shore of Helgoland to the brackish waters of the Baltic Sea with its often instable sediments. 322 species have been registered for Helgoland whereas the Western and Eastern part of the German Baltic Sea does not contain more than 211 and 181 species respectively. For the North Frisian Wadden Sea and the East Frisian Wadden Sea, 113 and 112 species have been registered, respectively. In relation to species number red algae are most abundant around the island of Helgoland, followed by brown and green algae. In the Frisian Wadden Sea green algae are most common, whereas in the Baltic Sea filamentous brown algae gain in importance. The presence of neophytes increased during the last decades, but total number does not exceed 10 species. The red algae *Callithamnion teragonum*, *Halurus flosculosus* and *Neosiphonia harveyi* are the latest new species records from Helgoland whereas *Gracilaria vermiculophylla* is the latest new species recorded in the German Wadden Sea and the Baltic Sea since 2004.

Keywords: macroalgae, German coastal water, alien species, North Sea, Baltic Sea, Wadden Sea

Introduction

Salinity and its variability, substrate availability and light climate are the key factors governing the distribution of macrophyte species along the German coast (LAKOWITZ 1929, KORNMANN & SAHLING 1977, NIELSEN et al. 1995). They can explain together with local hydrodynamic conditions and biological factors the main portion of species distribution (BUCAS et al. 2007).

In the last decades changes in distribution and diversity of macroalgae were observed in German coastal waters. All water bodies bordering the German states, Lower Saxony, Schleswig-Holstein, Mecklenburg-Western Pomerania and their corresponding islands have been subjected to extremely high anthropogenic impacts in the 20th century (ŁYSIAK-PASTUSZAK 2000; REISE et al. 2006). The nutrient input to the coastal waters is high, especially via rivers and diffuse agricultural run-off (BEHRENDT et al., 1999; STALNACKE et al. 1999). Consequently, the trophic status has increased drastically during the last thirty years according to long-term monitoring measurements (Nausch et al. 1999). The underwater light regime as well as the substrate type have changed over time depending on the eutrophication of the water bodies (SCHUBERT & FORSTER, 1997; NIELSEN et al. 2002). Both factors are important for the composition and depth distribution of submerged macrophyte communities (Van den Berg et al. 1998; GREVE & KRAUSE-JENSEN 2005; HAUXWELL et al. 2006) and explain observed changes in all regions.

The arrival of new species from warmer regions and the invasion of alien species due to human activities can increase species diversity on the one hand, but risk dramatic changes in community structure on the other. Climate change enhances the arrival of new species from warmer regions that formerly were not able to survive. As the worldwide transport of merchandise on the oceans is steadily increasing, so, too, is the transport of macroalgae spores and juvenile stages in the ballast water. Two other vectors related to the arrival of alien species are aquaculture farming and unfortunately also the escape of material from scientific research. Known alien species from German coastal waters can form mono-specific stands in the invaded habitats, potentially with persistent impact on the native assemblage structure.

The aim of this work was the publication of a complete check-list and synonym list for marine and brackish macroalgae for Germany including all invasive species encountered during the last century as a basis for further research. We disclaim in this publication any risk analysis for German macroalgae because this was already done by SCHORIES et al. (1995) and is under current revision by the German Federal Agency for Nature Conservation (Bundesamt für Naturschutz, BfN).

1 Study Area and Methods

North Germany is bordered on its Western side with the North Sea and on its Eastern side with the brackish Baltic Sea. This geographical feature results in a variety of water bodies, differing in macroalgae richness. Detailed description about different water typologies for the North and Baltic Sea are given by GOSSELCK et al. (2003). Due to the lack of distribution data for marine macrophytes we distinguish here only between (1) the Eastern Frisian Wadden Sea, (2) the Northern Frisian Wadden Sea, (3) the area around the Island of Helgoland, (4) the Western German Baltic Sea from Flensburg to the island of Fehmarn and (5) the Eastern German

Baltic Sea between the island of Fehmarn and the German Polish border at the Island of Usedom.

In this study we set the frontiers of the Northern Frisian Wadden Sea area as follows: (1) The area of the Schleswig-Holstein Wadden Sea National Park, comprising the western coast of Schleswig-Holstein and including the North Frisian Islands and (2) the Hamburg Wadden Sea National Park, extending from the mouth of the Elbe river to the islands of Neuwerk and Scharhörn. The Western Frisian Wadden Sea comprises the Lower Saxony Wadden Sea National Park with the northern coast of Lower Saxony and including the East Frisian Islands.

We revised all literature available between the years 1819 and 2008. In some cases direct access to the literature was not possible; here we used only the sources with given references. References for data records were not included in our literature, if they were mentioned already in one of the following check-lists (Nielsen et al. 1995, SCHORIES et al. 1995, SCHORIES et al. 1997, BARTSCH & KUHNENKAMP 2000). Further on we included also all information about data records of the herbarium material at the University of Kiel and records of the THEODOR REINBOLD collection of the State Botanical Collection, Munich. One of the oldest sources for the intertidal areas of the German Wadden Sea, is the excursion diary of PAUL KUCKUCK, written between 1891 and 1899. The original work was kept by the german algologist PAUL KORNMANN until his death. A copy of the diary is available by the authors. In accordance with the National Agency of Environment (Umweltbundesamt) and the State Agency for Agriculture, Environment and Rural Areas of Schleswig-Holstein (LLUR, formerly LANU) and in conformity with the upcoming Red list of threatened and potentially threatened Algae of Germany, we used for our taxonomic classification the online-resource <http://www.algaebase.org> (GUIRY & GUIRY 2009).

2 Results & Discussion

2.1 species distribution and richness

The algae phyla Charophyta, Chlorophyta, Ochrophyta and Rhodophyta are present in German coastal waters. All together they present 469 species that have been recorded since 1819 including insecure registrations and single observations. (Tab. 1 & Appendix 1). Worldwide at least 3677 synonyms are known for these species.

Highest total species richness is documented for Helgoland with 322 species, followed by the Western and Eastern Baltic Sea with 211 and 181 species, respectively. Both parts of the Frisian Wadden Sea sustain about 110 species with dominance of Chlorophyta species. In general species richness decreased from the marine rocky shore environment around the island of Helgoland to the brackish waters of the Baltic Sea with its limited stable substrates.

The Charophyta make up the smallest group with only 2 orders and two families. 8 species have been registered along the coast, seven of them are only present in the eastern part of the Baltic Sea, six of them were found in the western part of the Baltic Sea. One species is known from Eastern Frisian Wadden Sea. The Chlorophyta are present with 9 orders, 23 families and a total of 130 species. More than 900 synonyms are known for this group. Species richness is highest around the

island of Helgoland, from where a total of 86 species are known. The Northern and Eastern Frisian Wadden Sea present 47 and 52 species, respectively. Nearly the same species numbers are known from the Baltic Sea, where 52 species were identified in the Eastern and 54 species in its Western part. Species richness from the phylum Ochrophyta is higher than of Chlorophyta around the island of Helgoland and in the Baltic Sea; whereas it is lower in both parts of the Wadden Sea. Species number of members from the Rhodophyta is in the same order as that of Ochrophyta. 160 species from 12 orders and 22 families are known. Again the waters around the island of Helgoland show highest species richness with a total of 103 species, sustaining 32 species more than known from the Eastern Baltic Sea and 24 species more than in the Western Baltic Sea. The presence of Rhodophyta is low in both parts of the German Frisian Wadden Sea and is consistent with the findings for species records from Ochrophyta.

Tab. 1 Distribution of macroalgae taxa and its synonyms along the German coastal waters. Syn. = synonym, 1 = Helgoland, 2 = North Frisian Wadden Sea, 3 = East Frisian Wadden Sea, 4 Western Baltic Sea, Eastern Baltic Sea

Class	Order	Family	Species	Syn.	1	2	3	4	5
Charophyceae	Charales	2	7	29	0	0	0	6	7
Klebsormidiales	Klebsormidiaceae	1	1	5	0	0	1	0	0
Sum Charophyta		2	8	34	0	0	1	6	7
Bryopsidophyceae	Bryopsidales	4	8	13	6	2	1	2	0
Chlorophyceae	Chaetophorales	2	7	8	4	0	1	1	3
	Chlorococcales	3	6	13	5	0	0	1	0
	Chlorocystidales	1	3	2	3	0	0	0	0
	Volvocales	1	1	0	0	0	0	0	1
Trebouxiophyceae	Prasiolales	1	5	12	5	1	2	1	1
Ulvophyceae	Cladophorales	1	25	501	17	10	16	12	11
	Ulotrichales	3	24	90	21	10	11	12	8
	Ulvales	7	51	268	25	24	21	25	28
Sum Chlorophyta		23	130	907	86	47	52	54	52
Phaeophyceae	Cutleriales	1	1	18	1	0	0	0	0
	Desmarestiales	2	5	38	4	0	1	2	2
	Dictyotales	1	1	34	1	1	0	0	0
	Ectocarpales	3	88	542	58	21	11	45	40
	Fucales	3	10	205	7	2	6	4	4
	Laminariales	3	5	146	5	3	1	4	2
	Ralfsiales	1	8	13	2	1	1	6	4
	Scytosiphonales	1	9	54	9	3	2	4	4
	Sphacelariales	2	18	98	12	1	0	7	6
	Sporochneales	1	1	1	1	0	0	0	0
	Tilopteridales	3	3	20	3	0	0	1	1
Xanthophyceae	Vaucheriales	1	11	12	0	1	0	6	8
Sum Ochrophyta		22	160	1181	103	33	22	79	71

Class	Order	Family	Species	Syn.	1	2	3	4	5
Compsopogonophyceae	Bangiales	1	9	52	9	4	4	4	2
	Erythropeltidales	1	7	28	7	2	1	1	0
Floridophyceae	Acrochaetiales	1	14	113	4	2	3	11	7
	Ahnfeltiales	1	1	18	1	1	1	1	1
	Bonnemaisoniales	2	2	6	2	1	1	0	0
	Ceramiales	6	66	649	53	8	13	25	21
	Colaconematales	1	5	39	1	1	0	4	2
	Corallinales	2	20	170	16	4	4	6	3
	Gelidiales	1	1	4	1	0	0	0	0
	Gigartinales	10	21	248	19	4	4	11	8
	Gracilariales	1	3	17	2	2	2	2	1
	Hildenbrandiales	1	2	6	1	1	1	1	2
	Nemaliales	2	5	35	5	1	0	1	1
	Nemastomatales	1	1	1	1	1	1	1	1
	Palmariales	3	4	73	2	0	0	3	1
	Plocamiales	1	1	14	1	0	1	0	0
Rhodymeniales	3	7	63	7	0	0	0	0	
Stylonematophyceae	Stylonematales	1	2	19	1	1	1	1	1
Sum Rhodophyta		39	171	1555	133	33	37	72	51
Total		86	469	3677	322	113	112	211	181

2.2 Historical trends

Helgoland

A detailed species list and historical reflection of the macroalgae flora of Helgoland was published by BARTSCH & KUHNENKAMP (2000). They reported a total of 274 species and additionally 51 doubtful records. The publication based on the analysis by HARMS (1993), KORNMANN & SAHLING (1977) and LÜNING (1970) and own studies, is the most complete work known from the German coast. Since then at least two new species are now known to exist in Helgoland, the red algae *Halurus flosculosus* and *Neosiphonia harveyi* (Bartsch & Kuhnenkamp 2009).

BARTSCH & KUHNENKAMP (2000) clearly demonstrated changes of the algae flora both before and after the second world war: “Of the algae found after 1959, 68 species belong to the Chlorophycota, 65 to the Phaeophycota and 81 to the Rhodophycota, whereas from 1860 to the 1930s about 40% fewer species of Chlorophycota were found (41 versus 68), a similar number of Rhodophycota species (81 versus 84), but 27% more species of Phaeophycota (89 versus 65), compared with the later period.” Due to immense research activities since the mid 1840s the macroflora of Helgoland is today the best studied of German waters (BARTSCH & KUHNENKAMP 2000). The authors mainly identified the following reasons for the shift in species composition: (1) changes of substratum due to the building of protective moles, harbour constructions and breakwaters from the early 1920s onwards and (2) the variation of abiotic factors such as nutrients and temperature over the considered time period. However BARTSCH & KUHNENKAMP (2000) state also

that exact ecophysiological knowledge of most rare or supposedly extinct species is missing and impede to draw specific conclusions.

The Wadden Sea

The knowledge about marine macroalgae of the German Wadden Sea and its presence on secondary hard substrates has never been in the focus of German algologists, although several authors have focused on the species composition of intertidal and subtidal benthic associations (NIENBURG 1927, LINKE 1939). Species richness and the availability of substrates are similar between the Northern and Eastern Frisian Wadden Sea. Observed differences are most probably related to the restricted research in the intertidal and subtidal mudflats and its existent hard substrata. Historical trends seem to be same between both areas and only differ in magnitude. This facilitates a joint historical overview: More than a hundred years ago, the first curator of botany at the Marine Station on Helgoland (Biologische Anstalt Helgoland) PAUL KUCKUCK (1866–1918), carried out some excursions to the Wadden Sea and noted his records in a field diary. These records give us the first insights about the presence of macroalgae species on intertidal mudflats in the former century. Twenty years before KUCKUCK, EIBEN (1871) had already studied the macroalgae associations on artificial structures like dikes and buoys.

During the subsequent decades various authors studied macroalgae locally, for example in the vicinities of the Königshafen of the island Sylt (NIENBURG 1927, KORNMANN 1952, LUTHER 1976, SCHORIES et al 1997) or in the Weser estuary (LINKE 1939, BEHRE 1961, MICHAELIS 1969, KOEMAN 1975). During the 1980s KOEMAN & VAN DEN HOEK (1982a, b, 1984) studied the taxonomy of the genus *Enteromorpha* in the Netherlands but samples were also taken from Germany. At the end of the 1980s green algae mats covered wide areas of the East & North Frisian Wadden Sea (REISE & SIEBERT 1994, SCHANZ & REISE 2005, REISE et al. 2008). Single mats covered up to 9 km² in the East Frisian Wadden Sea. Early information about macroalgae in the subtidal channels and deeper waters were often provided due to the harvest of mussels and oysters (HAGMEIER & KÄNDLER 1927, HAGMEIER 1941), however natural banks had already declined significantly by the 1850s (MOEBUIS 1877, GESSNER 1957). Riffs built by the polychaete *Sabellaria spinulosa* might have been important substrates for algae growth but today nearly all riffs have disappeared (EIBEN 1871, VORBERG 2005). Due to this phenomenon green algae distribution and identification has been studied in more detail (KOLBE et al. 1995, SCHORIES 1995). Nevertheless our knowledge about macroalgae distribution in the Wadden Sea remains a patchwork. Additions to the actual check list are almost certain if future investigations concentrate on the low subtidal channels and secondary hard substrata (VLAS et al. 2005).

Baltic Sea

First algae collections for the German coastal waters of the Baltic Sea go back to the year 1819 (LYNGBYE 1819). At the end of the 19th Century REINKE (1889) summarized the previous activities of material collected since 1819. He noted critically that many species had been incorrectly identified and were subsequently corrected by him. His work on the algal flora of the western Baltic Sea built together

with the publications of REINBOLD (1889, 1890) the basis (REINKE 1889) for our recent knowledge. During the second part of the last century SCHWENKE (1964, 1965, 1966, 1969) started an extensive video-transect in the Kiel Bay, but none of the material is still available today. However, the main results of the working group of SCHWENKE (1964, 1965, 1966, 1969) is reflected in the distributional index of the benthic macroalgae of the Baltic Sea area (NIELSEN et al. 1995) and the Red List & Flora List of marine macroalgae of Germany (SCHORIES et al. 1995). These lists include several small macroalgae species never revised thereafter.

Following the decreasing salinity gradient from West to East, with a marked decline east of the Darßer threshold, several macroalgae species are limited in their distribution due to low salinities. However, we followed in our check-list the former area definitions used by SCHORIES et al. (1995) to separate species records from the state of Schleswig-Holstein and Mecklenburg-Western Pomerania. This partly explains why the decrease in species richness is not as high as it would be if the Darßer threshold would have been taken as the borderline. The best historical information for Eastern Germany is provided again by REINKE (1897, 1899, 1901) and REINKE & DARBISHIRE (1898) followed by LAKOWITZ (1887, 1907, 1929). More recently OVERBECK (1964), PANKOW (1971), MARTENS & PANKOW (1972) & PANKOW et al. (1990) revised the macroalgae flora of the former German Democratic Republic. Since 1997 macroalgae distribution along the German Baltic coast were investigated in the monitoring program State Agency for Environment, Nature and Geology Mecklenburg-Western Pomerania and from the State Agency for Agriculture, Environment and Rural Areas Schleswig-Holstein (FÜRHAUPTER et al. 2004-2007).

In addition to the poor historical and recent data for the elaboration of an accurate species list, data for depth distribution for single species or communities in the Baltic Sea is also lacking or is doubtful. Former algologists often dredged the material from the bottom and included free floating algae in its depth records. After KOLDERUP-ROSENINGE (cited in VÄLIKANGAS 1933) the greatest depth distribution of algae is about 38m, REINKE (1889) assumed a depth limit of 30m, whereas LAKOWITZ (1929) reports of 25m as maximum depth for red algae and BREUER (1989) gives the limit for the vegetation at approximately 22m depth. We consider 23m as the lowest limit for trustworthy historical depth records (SCHORIES et al. 2006).

It was BREUER (1989) who provided an excellent overview about the depth distribution of all common macroalgae of Kiel bay. More recently SCHORIES et al. (2006) and FÜRHAUPTER et al. (2005-2007) focused on the distribution of the common macroalgae along the whole German Baltic coast, but never went into such detail as the working group of SCHWENKE did between 1957 and 1992 during the last century. A general overview about the macroalgae of the Baltic Sea is given by SCHUBERT & SCHORIES (2008). Apart from these reports and publications further work has been carried out considering only a single species up to a few species (f. e. DARBISHIRE 1896, HOFFMANN 1952, KAMINSKI 1980, SCHUELLER & PETERS 1994, SCHORIES et al. 2006). However the general problem is that up until about 20 years ago, a complete revision of the present state of the German macroalgae in the Baltic Sea had never been undertaken.

2.3 Temporary guests and neophytes

In the full marine environment the number of registered neophytes is constantly increasing. Neophytes do not always permanently establish themselves in an area, although they might be present for a couple of years. The island of Helgoland is

isolated in the North Sea and dispersal and arrival of common North Atlantic species is restricted. Therefore KORNMANN & SAHLING (1977) considered species like *Himanthalia elongata* as temporary guests. These species may be present for a while then disappear again. For example *H. elongata* was found on Helgoland from 1959 – 1962, but was not seen again in subsequent years.

The presence of neophytes increased during the last decades, but total the number does not exceed 11 species (Tab. 2). In a paper ranking specific traits of 113 macroalgae introduced into Europe for the three main categories: dispersal, establishment and ecological impact; *Sargassum muticum* overall was the eighth most invasive species (NYBERG & WALLENTINUS in press). FLETCHER & FARELL (1999 and references therein) discussed the role they could have played in being a vector for the introduction to the North Atlantic of some epiphytic macroalgae and invertebrates. *S. muticum* is established around the island of Helgoland (BARTSCH & KUHLENKAMP 2000). *Callithamnion tetragonum*, *Halurus flosculosus* and *Neosiphonia harveyi* are the most recent neophytes from Helgoland (Kuhlenkamp pers. com. 2008; Bartsch & Kuhlenkamp 2009).

Tab. 2 Neophytes in German coastal waters. (1) Helgoland, (2) North Frisian Wadden Sea, (3) East Frisian Wadden Sea, (4) Western Baltic Sea, (5) Eastern Baltic Sea.

Species	area	Source
<i>Bonnemaisonia hamifera</i>	1 2 3	KORNMANN & SAHLING 1962
<i>Callithamnion tetragonum</i>	1 3	KUHLENKAMP PERS. COM. 2008
<i>Chara connivens</i>	4 5	LUTHER 1979
<i>Codium fragile</i>	1 2	KORNMANN & SAHLING 1977
<i>Dasya baillouviana</i>	4	NIELSEN & MATHIESEN 2005
<i>Fucus evanescens</i>	4	SCHUELLER & PETERS 1994
<i>Gracilaria vermiculophylla</i>	2 3 4	SCHORIES & SELIG 2006
<i>Halurus flosculosus</i>	1 3	BARTSCH & KUHLENKAMP 2009
<i>Mastocarpus stellatus</i>	1	KORNMANN & SAHLING 1994
<i>Neosiphonia harveyi</i>	1	MAGGS & STEGENGA 1998
<i>Sargassum muticum</i>	1 2 3	KREMER ET AL. 1983; SCHORIES & ALBRECHT 1995

In Königshafen Bay (island of Sylt – North Frisian Wadden Sea) *S. muticum* was first recorded attached to a substratum in 1993 (SCHORIES & ALBRECHT 1995, SCHORIES et al. 1997), but drift material was also reported before from the East Frisian Wadden Sea (KREMER et al. 1983). It grows in the Wadden Sea on musselbeds and on secondary hard substrates. It is well established in sheltered areas of the island of Helgoland where it grows among other fucoids and in intertidal basins. From 2002 onwards the red alga *Gracilaria vermiculophylla* spread out in the German Wadden Sea (NEHLS 2006, BUSCHBAUM et a. 2008). Presently it is found in the North and East Frisian Wadden Sea forming locally dense mats on intertidal mussel beds and mudflats.

In the Baltic Sea *Gracilaria vermiculophylla*, was found first in 2006 in the Kiel fjord as drifting material (SCHORIES & SELIG 2006). WEINBERGER et al. (2008) observed the

expansion of *G. vermiculophylla*, in the Kieler Bight during the last three years. The Eastern most expansion is actually near the island of Fehmarn. However it is known *G. vermiculophylla* can sustain growth between 2-40 psu, 5-30°C, low and high light levels (YOKOYA et al. 1999, RAIKAR et al. 2001, RUENESS 2005, NYBERG 2006, WEINBERGER et al. 2008) and a spread in the Eastern Baltic Sea is probable. Two other neophytes were found during the last two decades in the Western Baltic Sea, the red alga *Dasya baillouviana* and the brown alga *Fucus evanescens* (SCHUELLER & PETERS 1994, NIELSEN & MATHIESEN 2005). *Codium fragile* and *Bonnemaisonia hamifera* were already present before. *Dasya baillouviana* is increasingly common in a depth between 3-6m.

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References

- Bartsch, I. & R. Kühlenkamp, 2000. The marine macroalgae of Helgoland (North Sea): an annotated list of records between 1845 and 1999. *Helgoland Marine Research* 54: 160-189.
- Bartsch, I. & R. Kühlenkamp, 2009. Entwicklung der Makrophytenvegetation bei Helgoland vor dem Hintergrund der Wasserrahmenrichtlinie (Development of macrophyte vegetation off Helgoland against the background of the EU Water Framework Directive). *Meeresumwelt Aktuell Nord- und Ostsee* 1: 1- 8.
- Behre, K., 1961. Die Algenbesiedlung der Unterweser unter Berücksichtigung ihrer Zuflüsse (ohne die Kieselalgen). Veröffentlichungen des Instituts für Meeresforschung Bremerhaven 7: 71- 263.
- Behrendt, H., M. Bach, P. Huber, M. Kornmilch, D. Opitz, W.G. Pagenkopf, O. Schmoll, G. Scholz, U. Schweikart & R. Uebe, 1999. Nährstoffbilanzierung der Flussgebiete Deutschlands. Text des Umweltbundesamtes, Berlin, 288 pp.
- Berg, M. S. van den, H. Coops, J. Simons & A. de Keizer, 1998. Competition between *Chara aspera* and *Potamogeton pectinatus* as a function of temperature and light. *Aquatic Botany* 60: 241-250.
- Breuer, G., 1989. Vegetationsstruktur, Biomasse und Produktivität der sublitoralen Rotalgengemeinschaften der Restsedimentgebiete in der Kieler Bucht. Dissertation, Christian-Albrechts-Universität Kiel, 247 pp.
- Bucas, M., D. Daunys & S. Olenin, 2007. Overgrowth patterns of the red algae *Furcellaria lumbricalis* at an exposed Baltic Sea coast: the results of a remote underwater video data analysis. *Estuarine and Coastal Marine Science* 75(3): 308- 316.
- Buschbaum, C., T. Mayr & K. Scheuer, 2008. Vorkommen der invasiven Rotalge *Gracilaria vermiculophylla* und ihre ökologischen Effekte im Schleswig-Holsteinischen Wattenmeer. Landesamt für Natur und Umwelt des Landes Schleswig Holstein, Flintbek, 1- 50.
- Darbishire, O., 1896. Die *Phyllophora*-Arten der Westlichen Ostsee Deutschen Antheils. *Wissenschaftliche Meeresuntersuchungen (Kiel)* NF 2: 8- 46.
- Eiben, C. E., 1871: Beiträge zur phykologischen Charakteristik der ostfriesischen Inseln und Küste. Mit besonderer Berücksichtigung der Diatomeen. Jahresbericht der Naturhistorischen Gesellschaft zu Hannover, 20: 1-14.
- Fletcher, R.L. & P. Farrell, 1999. Introduced brown algae in the North East Atlantic, with particular respect to *Undaria pinnatifida* (Harvey) Suringar. *Helgoländer Meeresuntersuchungen* 52: 259 - 275.

- Fürhaupter, K. & T. Meyer, 2004. Makrophytenmonitoring der inneren Küstengewässer Mecklenburg-Vorpommerns - Erprobung einer neuen Monitoringstrategie für die EU-Wasserrahmenrichtlinie. Untersuchungen im Auftrag des Landesamtes für Umwelt, Naturschutz und Geologie, Mecklenburg-Vorpommern, 85 pp.
- Fürhaupter, K., H. Wilken, T. Berg & T. Meyer, 2005. Makrophytenmonitoring der inneren und äußeren Küstengewässer Mecklenburg-Vorpommerns - 2. Praxistest zum Makrophytenmonitoring der inneren Küstengewässer. Untersuchungen im Auftrag des Landesamtes für Umwelt, Naturschutz und Geologie, Mecklenburg-Vorpommern, 95 pp.
- Fürhaupter, K., H. Wilken, T. Berg & T. Meyer, 2006a. Makrophytenmonitoring der inneren und äußeren Küstengewässer Mecklenburg-Vorpommerns - 3. Praxistest einer Monitoringstrategie für die EU-Wasserrahmenrichtlinie. Untersuchungen im Auftrag des Landesamtes für Umwelt, Naturschutz und Geologie, Mecklenburg-Vorpommern, 141 pp.
- Fürhaupter, K., H. Wilken, T. Berg & T. Meyer, 2006b. Praxistest zum Makrophytenmonitoring in Schleswig-Holstein. Untersuchungen im Auftrag des Landesamtes für Natur und Umwelt Schleswig-Holstein, 199 pp.
- Fürhaupter, K., H. Wilken & T. Meyer, 2007a. WRRL-Makrophytenmonitoring in den inneren Küstengewässern Mecklenburg-Vorpommerns. Untersuchungen im Auftrag des Landesamt für Umwelt, Naturschutz und Geologie, Mecklenburg-Vorpommern, 95 pp.
- Fürhaupter, K., H. Wilken & T. Meyer, 2007b. WRRL-Makrophytenmonitoring in den inneren Küstengewässern Schleswig-Holstein. Untersuchungen im Auftrag des Landesamt für Natur und Umwelt Schleswig-Holstein, 53 pp.
- Gessner, F., 1957. Meer und Strand, VEB Deutscher Verlag der Wissenschaften
- Gosselck, F., R. Bönsch, K. Brosda, J. Hübner, K. Meißner & H. Sordyl, 2003. Gemeinsame Charakterisierung der deutschen Nord- und Ostsee-Küstengewässer vor dem Hintergrund internationaler Vereinbarungen - Teil B Ostsee. Unveröffentlichter Forschungsbericht zum BMBF-Projekt (Förderkennzeichen: 0330041), 1- 50.
- Greve, T.M. & D. Krause-Jensen, 2005. Predictive modelling of seagrass (*Zostera marina*) depth limits. *Marine Biology* 147: 803- 812.
- Guiry, M.D. & G.M. Guiry, 2009. AlgaeBase. World-wide electronic publication, National University of Ireland, Galway. <http://www.algaebase.org>; searched between January 2006 and May 2009.
- Hagmeier, A., 1941. Die intensive Nutzung des nordfriesischen Wattenmeers durch Austern- und Muschelkultus. *Zeitschrift für Fischerei und deren Hilfswissenschaften* 39: 105- 165.
- Hagmeier, A. & R. Kändler, 1927. Neue Untersuchungen im nordfriesischen Wattenmeer und auf den fiskalischen Austernbänken. *Wissenschaftliche Meeresuntersuchungen (Helgol)* 16: 1- 99.
- Harms, J., 1993. Check list of species (algae, invertebrates and vertebrates) found in the vicinity of the island of Helgoland (North Sea, German Bight): a review of recent records. *Helgoländer Meeresuntersuchungen* 47: 1- 34.
- Hauxwell, J., J. Cebrian & I. Valiela, 2006. Light dependence of *Zostera marina* annual growth dynamics in estuaries subject to different degrees of eutrophication. *Aquatic Botany* 84(1): 17- 25.
- Hoffmann, C., 1952. Über das Vorkommen und die Menge industriell verwertbarer Algen an der Ostseeküste Schleswig-Holsteins. *Kieler Meeresforschungen* 9: 5- 14.
- Kaminski, E., 1980. Findings of *Enteromorpha jugoslavica* Bliding in the Kiel Fjord (western Baltic). *Botanica Marina* 23(5): 309- 312.
- Koeman, R., 1975. Macroflora of the shallows, beaches and reefs round the Hohen Knechtsand in the Weser estuary. *Jahresberichte der Forschungsstelle für Insel- und Kuestenschutz. Niedersächsische Wasserwirtschaftsverwaltung* 26: 41- 52.
- Koeman, R.P.T. & C. van den Hoek, 1982a. The taxonomy of *Enteromorpha* Link, 1820, (Chlorophyceae) in the Netherlands 2. The section proliferae. *Cryptogamie Algologie* 3: 37- 70.
- Koeman, R.P.T. & C. van den Hoek, 1982b. The taxonomy of *Enteromorpha* Link, 1820, (Chlorophyceae) in The Netherlands. 1. The section Enteromorpha. *Archiv für Hydrobiologie*, 279- 330.
- Koeman, R.P.T. & C. van den Hoek, 1984. The taxonomy of *Enteromorpha* Link, 1820 (Chlorophyceae) in the Netherlands. 3. The sections Flexuosae and Clathratae, and an addition to the section *Proliferae*. *Cryptogamie Algologie* 5: 21- 61.

- Kolbe, K., E. Kaminski, H. Michaelis, B. Obert & J. Rahmel, 1995. Macroalgal mass development in the Wadden Sea: first experiences with a monitoring system. *Helgoländer Meeresuntersuchungen* 49: 519- 528.
- Kornmann, P., 1952. Die Algenvegetation von List auf Sylt. *Helgoländer Wissenschaftliche Meeresuntersuchungen* 4: 55- 61.
- Kornmann, P. & P. Sahling, 1962. Geschlechtspflanzen von *Bonnemaisonia bamifera* Hariot bei Helgoland, *Helgoländer wissenschaftliche Meeresuntersuchungen* 8: 298- 301.
- Kornmann, P. & P. Sahling, 1977. Meeresalgen von Helgoland. *Helgoländer Wissenschaftliche Meeresuntersuchungen* 29 (1-2): 1- 289.
- Kornmann, P. & P. Sahling, 1994. Marine algae of Helgoland: second supplement. *Helgoländer Meeresuntersuchungen* 48: 365- 406.
- Kremer, B. P., H. Kuhbier & H. Michaelis, 1983. Die Ausbreitung des Brauntanges *Sargassum muticum* in der Nordsee. Eine Reise um die Welt. *Natur und Museum* 113: 125- 130.
- Lakowitz, K., 1887. Die Vegetation der Ostsee im Allgemeinen und Algen der Danziger Bucht im Speziellen. *Bericht des Westpreussischen Botanisch- Zoologischen Vereins Danzig* 10: 36- 44.
- Lakowitz, K., 1907. Die Algenflora der Danziger Bucht. *Bericht des Westpreussischen Botanisch- Zoologischen Vereins Danzig*
- Lakowitz, K., 1929. Die Algenflora der gesamten Ostsee (ausschl. Diatomeen). *Bericht des Westpreussischen Botanisch-Zoologischen Vereins Danzig*, 474 pp.
- Linke, O., 1939. Die Biota des Jadebusenwattes. *Helgoländer Wissenschaftliche Meeresuntersuchungen* 1: 201- 348 .
- Lüning, K., 1970. Tauchuntersuchungen zur Vertikalverteilung der sublitoralen Helgoländer Algenvegetation. *Helgoländer Wissenschaftliche Meeresuntersuchungen* 21: 271– 291.
- Luther, G., 1976. Bewuchsuntersuchungen auf Natursteinsubstraten im Gezeitenbereich des Nordsylter Wattenmeeres: Algen. *Helgoländer Wissenschaftliche Meeresuntersuchungen* 28: 318- 351.
- Luther, H., 1979. *Chara connivens* in the Baltic Sea area. *Annales Botanici Fennici* 16: 141- 150.
- Lyngbye, H. C., 1819. Tentamen hydrophytologiae danicae continens omnia hydrophyta cryptogama Daniae, Holsatiae, Faeroae, Islandiae, Groenlandiae hucusque cognita, systematice disposita, descripta et iconibus illustrata, adjectis simul speciebus norvegicis. Hafniae. 1- 248, 70 pls.
- Łysiak-Pastuszek, E., 2000. An assessment of nutrient conditions in the southern Baltic Sea between 1994-1998. *Oceanologia* 7: 425- 448.
- Maggs, C. A. & H. Stegenga, 1999. Red algal exotics on North Sea Coasts. *Helgoländer Meeresuntersuchungen* 52: 243- 258.
- Martens, B. & H. Pankow, 1972. Remarks on the taxonomy of some algae from the shallow bays of the Darss and Zingst (southern Baltic). *Internationale Revue der gesamten Hydrobiologie* 57: 779- 800.
- Michaelis, H., 1969. Makrofauna und Vegetation der Knechtsandwatten. *Jahresbericht Forschungsstelle Küste, Norderney* 19: 147- 173.
- Möbius, K., 1877. Die Auster und die Austernwirtschaft. Wiegandt, Hempel und Parey, Berlin.
- Nausch, G., D. Nehring & G. Aertebjerg, 1999. Anthropogenic nutrient load of the Baltic Sea. *Limnologia* 29: 233- 241.
- Nehls, G., 2006. *Gracilaria vermiculophylla* (Gracilariales, Rhodophyta): a Pacific algae spreading on tidal flats of the Wadden Sea. <http://www.bioconsult-sh.de/pdf/PosterGracilaria.pdf>. 2009-08-20, (poster)
- Nielsen, R., A. Kristiansen, L. Mathiesen & H. Mathiesen, 1995. Distributional index of the benthic macroalgae of the Baltic Sea area. *Acta Botanica Fennica* 155: 1- 51.
- Nielsen, R. & L. Mathiesen, 2005. Dusktang, en ny og spaendende rodalge in danske farvande. *URT* 29(2): 72- 77.
- Nielsen, S. L., K. Sand-Jensen, J. Borum & O. Geertz-Hansen, 2002a. Depth colonisation of seagrass (*Zostera marina*) and macroalgae as determined by water transparency in Danish coastal waters. *Estuaries* 25: 1025- 1032.
- Nienburg, W., 1927. Zur Ökologie der Flora des Wattenmeeres, 1.: Der Königshafen bei List auf Sylt. *Wissenschaftliche Meeresuntersuchungen (Kiel)* 20: 145- 196.

- Nyberg, C. D., 2006. Attributes of non-indigenous seaweeds with special emphasis on *Gracilaria vermiculophylla*. Licentiate thesis, Göteborg University.
- Nyberg, C. D. & I. Wallentinus, 2009. Long-term survival of an introduced red alga in adverse conditions. *Marine Biology Research* 5(3): 304-308.
- Overbeck, J., 1964. die Meeresalgen und ihre Gesellschaften an den Küsten der Insel Hiddensee (Ostsee). *Botanica Marina* 8(2-4): 218- 233.
- Pankow, H., 1971. Algenflora der Ostsee. Benthos : (Blau-, Grün-, Braun- und Rotalgen). Fischer, Stuttgart, 419 pp.
- Pankow, H., V. Kell, N. Wasmund & B. Zander, 1990. Ostsee-Algenflora. Fischer, Jena. 648 pp.
- Raikar, S., M. Lima & Y. Fujita, 2001. Effect of temperature, salinity and light intensity on the growth of *Gracilaria* spp. (Gracilariales, Rhodophyta) from Japan, Malaysia and India. *Indian Journal of Marine Sciences* 30: 98- 104.
- Reinbold, T., 1889. Die Rhodophyceen (Florideen) (Rothtange) der Kieler Förde. *Schriften des Naturwissenschaftlichen Vereins für Schleswig-Holstein* 9: 111- 143.
- Reinbold, T., 1890. Die Cyanophyceen (Blautange) der Kieler Förde. *Schriften des Naturwissenschaftlichen Vereins für Schleswig-Holstein* 8(2): 163- 185.
- Reinke, J., 1889. Algenflora der westlichen Ostsee deutschen Antheils. Eine systematisch-pflanzengeographische Studie. Bericht der Kommission zur Wissenschaftlichen Untersuchung der Deutschen Meere in Kiel 6: III-XI, 1- 101.
- Reinke, J., 1897. Untersuchungen über den Pflanzenwuchs in der östlichen Ostsee. I. *Wissenschaftliche Meeresuntersuchungen (Kiel)* NF 2: 98- 101.
- Reinke, J., 1899. Untersuchungen über den Pflanzenwuchs in der östlichen Ostsee. III. *Wissenschaftliche Meeresuntersuchungen (Kiel)* NF 4: 208- 212.
- Reinke, J., 1901. Untersuchungen über den Pflanzenbewuchs in der östlichen Ostsee. *Wissenschaftliche Meeresuntersuchungen Preußen*, 5: 1- 6.
- Reinke, J. & O. Darbishire, 1898. Untersuchungen über den Pflanzenwuchs in der östlichen Ostsee. II. *Wissenschaftliche Meeresuntersuchungen (Kiel)* NF 3: 18- 23.
- Reise, K., E. Herre & M. Sturm, 2008. Mudflat biota since the 1930s: change beyond return? *Helgoland marine research* 62: 13- 22.
- Reise, K. & I. Siebert, 1994. Mass occurrence of green algae in the German Wadden Sea. *Deutsche Hydrographische Zeitschrift – Supplement* 1: 171- 180.
- Reise, K., S. Olenin & D. W. Thielges, 2006. Are aliens threatening European aquatic coastal ecosystems? *Helgoland Marine Research* 60: 77- 83.
- Schanz, A. & K. Reise, 2005. Referenz und Klassifizierungsansatz der Makrophytenvegetation im Nordfriesischen Wattenmeer, Workshop "Benthos-Bewertungsverfahren im Rahmen der Wasserrahmenrichtlinie (WRRL)", 1./2.March, Bremen, Germany.
- Rueness, J., 2005. Life history and molecular sequences of *Gracilaria vermiculophylla* (Gracilariales, Rhodophyta): a new introduction to European waters. *Phycologia* 44: 120- 128.
- Schories, D., 1995. Populationsökologie und Massenentwicklung von *Enteromorpha* spp. (Chlorophyta) im Sylter Wattenmeer. – *Berichte des Instituts für Meereskunde Kiel* 271: 145 pp.
- Schories, D. & A. Albrecht, 1995. *Sargassum muticum*: der japanische Beerentang im deutschen Wattenmeer. *Natur und Museum*. 125(3): 92- 98.
- Schories, D., W. Härdtle, E. Kaminski, V. Kell, E. Kühner & H. Pankow, 1995. Rote Liste und Florenliste der marinen Makroalgen (Chlorophyceae, Rhodophyceae et Fucophyceae). *Schriftenreihe für Vegetationskunde*. 28: 577- 607.
- Schories, D., A. Albrecht & H. Lotze, 1997. Historical changes and inventory of macroalgae from Koenigshafen Bay in the northern Wadden Sea. *Helgoländer Meeresuntersuchungen* 51: 321- 341.
- Schories, D. & U. Selig, 2006. Die Bedeutung eingeschleppter Arten (alien species) für die Europäische Wasserrahmenrichtlinie am Beispiel der Ostsee. *Rostocker Meeresbiologische Beiträge* 15: 147- 158.
- Schories, D., U. Selig & H. Schubert, 2006. Testung des Klassifizierungsansatzes Mecklenburg-Vorpommern (innere Küstengewässer) unter den Bedingungen Schleswig-Holsteins und Ausdehnung des Ansatzes auf die Außenküste. Bericht zum LAWA Forschungsvorhabens: „Küstengewässer-Klassifizierung deutsche Ostsee nach EU-WRRL“, Teil A und Teil B, 100 pp.

- Schubert, H. & R.M. Forster, 1997. Sources of variability in the factors used for modelling primary productivity in eutrophic waters. *Hydrobiologia* 349: 75- 85.
- Schubert, H. & D. Schories, 2008. Macrophytobenthos, In: Feistel, R., G. Nausch & N. Wasmund (Ed.) 2008. State and evolution of the Baltic Sea, 1952-2005: a detailed 50-year survey of meteorology and climate, physics, chemistry, biology, and marine environment, 483- 516.
- Schueller, G. & A. Peters, 1994. Arrival of *Fucus evanescens* (Phaeophyceae) in Kiel Bight (Western Baltic). *Botanica Marina* 37: 471- 477.
- Schwenke, H., 1964. Vegetation und Vegetationsbedingungen in der westlichen Ostsee (Kieler Bucht). *Kieler Meeresforschungen* 20: 157-168.
- Schwenke, H., 1965. Beiträge zur angewandten marinen Vegetationskunde der westlichen Ostsee (Kieler Bucht). *Kieler Meeresforschungen* 21: 144- 152.
- Schwenke, H., 1966. Untersuchungen zur Marinen Vegetationskunde I. Über den Aufbau der marinen Benthosvegetation im Westteil der Kieler Bucht (westliche Ostsee). *Kieler Meeresforschungen* 22: 163- 170.
- Schwenke, H., 1969. Meeresbotanische Untersuchungen in der westlichen Ostsee als Beitrag zu einer marinen Vegetationskunde. *Internationale Revue der gesamten Hydrobiologie* 54: 35- 94.
- Stalnacke, P., A. Grimwall, K. Sundblad & A. Tonderski, 1999. Estimation of riverine loads of nitrogen and phosphorus to the Baltic Sea, 1970-1993. *Environmental Monitoring and Assessment* 58: 173- 200.
- Vlas, J. de, B. Brinkmann, C. Buschbaum, N. Dankers, M. Herlyn, P. Sand Kristensen, G. Millat, G. Nehls, M. Ruth, J. Steenbergen & A. Wehrmann, 2005b. Subtidal blue mussel beds. - In: ESSINK, K., C. DETTMANN, H. FARKE et al. (Hrsg.), 2004. Wadden Sea Quality Status Report- Wadden Sea Ecosystem, Wilhelmshaven, 211- 218.
- Välikangas, I., 1933. Über die Biologie der Ostsee als Brackwassergebiet. *Verhandlungen der Internationalen Vereinigung für Theoretische und Angewandte Limnologie*, 62- 112.
- Vorberg, R., 2005. Subtidal habitat structures: *Sabellaria* reefs. *Wadden Sea Ecosystem* 19: 208- 210.
- Weinberger, F., B. Buchholz, R. Karez & M. Wahl, 2008. The invasive red alga *Gracilaria vermiculophylla* in the Baltic Sea: adaptation to brackish water may compensate for light limitation. *Aquatic Biology* 3: 251- 264.
- Yokoya, N. S., H. Kakita, H. Obika & T. Kitamura, 1999. Effects of environmental factors and plant growth regulators on growth of the red alga *Gracilaria vermiculophylla* from Shikoku Island, Japan. *Hydrobiologia* 398/ 399: 339- 347.

Appendix 1

Species and synonym list of marine algae of Germany

Distribution region code: (1) Helgoland, (2) North Frisian Wadden Sea, (3) East Frisian Wadden Sea, (4) Western Baltic Sea, (5) Eastern Baltic Sea.

Taxon	1	2	3	4	5
Charophyta, Charophyceae, Charales, Characeae					
<i>Chara aspera</i> Detharding ex Willdenow 1809				X	X
<i>Chara aspera</i> subsp. <i>desmacantha</i> H. Groves & J. Groves 1898					
<i>Chara aspera</i> var. <i>curta</i> (Nolte ex Kützing) A. Braun ex Leonhardi 1864					
<i>Chara asperula</i> Thuret ex Hy 1913					
<i>Chara curta</i> Nolte ex Kützing 1857					
<i>Chara delicatula</i> Desvaux in Loiseleur 1810					
<i>Chara desmacantha</i> (H. Groves & J. Groves) J. Groves & Bullock-Webster 1924					
<i>Chara fallax</i> C. Agardh : xxviii 1824					
<i>Chara galioides</i> De Candolle 1813					
<i>Chara globularis</i> f. <i>curta</i> (Nolte ex Kützing) R.D. Wood					
<i>Chara globularis</i> var. <i>aspera</i> (Willdenow) R.D. Wood					
<i>Chara intertexta</i> Desvaux in Loiseleur 1810					
<i>Chara pulchella</i> var. <i>aspera</i> (Willdenow) Wallroth 1833					
<i>Chara pulchella</i> var. <i>delicatula</i> (Desvaux) Wallroth 1833					
<i>Chara baltica</i> Bruzelius 1824				X	X
<i>Chara baltica</i> var. <i>liljebadii</i> (Wallman) A. Braun in A. Braun Rabenhorst & Sitzenberger 1859					
<i>Chara firma</i> C. Agardh 1824					
<i>Chara hispida</i> var. <i>baltica</i> (Bruzelius) Wahlenberg 1826					
<i>Chara liljebadii</i> Wallman 1853					
<i>Chara nolteana</i> A. Braun 1834					
<i>Chara canescens</i> Desvaux & Loiseleur Deslongschamps in Loiseleur				X	X
<i>Chara crinita</i> Wallroth 1815					
<i>Chara pusilla</i> Migula 1897					
<i>Chara connivens</i> Salzmann ex A. Braun 1835				X	X
<i>Chara globularis</i> f. <i>connivens</i> (Salzmann ex A. Braun) R.D. Wood 1962					
<i>Chara globularis</i> Thuillier 1799					X
<i>Chara capillacea</i> Thuillier 1799					
<i>Chara fragilis</i> Desvaux 1810					
<i>Chara fragilis</i> var. <i>subverrucosa</i> A. Braun					
<i>Chara leptosperma</i> A. Braun					
<i>Lamprothamnium papulosum</i> (Wallroth) J. Groves 1916				X	X
<i>Chara papulosa</i> Wallroth 1833					
<i>Lamprothamnus alopecuroides</i> A. Braun 188					
<i>Lychnothamnus wallrothii</i> Wahlstedt 1875					
<i>Tolypella nidifica</i> (O.F. Müller) Leonhardi 1857 (A. Braun 1856)				X	X
<i>Conferva nidifica</i> O.F. Müller					
Klebsormidiophyceae, Klebsormidiales, Klebsormidiaceae					
<i>Klebsormidium rivulare</i> (Kützing) M.O. Morison & Sheath 1985			X		
<i>Chlorormidium rivulare</i> (Kützing) Starmach 1972					
<i>Hormidium rivulare</i> Kützing 1845					
<i>Hormiscia rivularis</i> (Kützing) De Toni 1889					
<i>Klebsormidium rivulare</i> (Kützing) M.O. Morison & Sheath					
<i>Stichococcus rivularis</i> (Kützing) Hazen 1902					
<i>Ulothrix rivularis</i> (Kützing) Kützing 1849					

Taxon	1	2	3	4	5
Chlorophyta, Bryopsidophyceae, Bryopsidales, Bryopsidaceae					
<i>Blastophysa rhizopus</i> Reinke 1889				X	
<i>Blastophysa arrhiza</i> Wille 1891					
<i>Blastophysa polymorpha</i> Kjellmann					
<i>Bryopsis hypnoides</i> J.V. Lamouroux 1809	X	X	X		
<i>Bryopsis hypnoides</i> f. <i>praelongata</i> J. Agardh 1887					
<i>Bryopsis hypnoides</i> var. <i>occidentalis</i>					
<i>Bryopsis monoica</i> Berthold ex Funk 1927					
<i>Bryopsis lyngbyei</i> Hornemann 1818	X				
<i>Bryopsis plumosa</i> (Hudson) C. Agardh 1823	X	X		X	
<i>Bryopsis plumosa</i> var. <i>nuda</i> Homes					
<i>Ulva plumosa</i> Hudson 1778					
Codiaceae					
<i>Codium fragile</i> (Suringar) Hariot 1889	X				
<i>Acanthocodium fragile</i> Suringar 1867					
Derbesiaceae					
<i>Derbesia marina</i> (Lyngbye) Solier 1846	X				
<i>Gastridium ovale</i> Lyngbye 1819					
<i>Halicystis ovalis</i> (Lyngbye) J.E. Areschoug 1850					
<i>Valonia ovalis</i> C. Agardh					
<i>Vaucheria marina</i> Lyngbye 1819					
Ostreobiaceae					
<i>Ostreobium quekettii</i> Bornet & Flahault 1889	X				
<i>Ostreobium reineckeii</i> Bornet 1896					
Chlorophyceae, Chaetophorales, Aphanochaetaceae					
<i>Aphanochaete repens</i> A. Braun 1850				X	X
<i>Aphanochaete confervicola</i> (Nägeli ex Kützing) Rabenhorst					
<i>Gonatoblaste rostrata</i> Huber					
<i>Herposteiron repens</i> (A. Braun) Wittrock					
Chaetophoraceae					
<i>Periplegamium ceramii</i> Kützing 1843	X				
<i>Stigeoclonium protensum</i> (Dillwyn) Kützing 1845					X
<i>Conferva protensum</i> Dillwyn					
<i>Stigeoclonium tenue</i> (C. Agardh) Kützing 1843				X	X
<i>Draparnaldia tenuis</i> C. Agardh					
<i>Myxonema tenue</i> (C. Agardh) Rabenhorst					
<i>Stromatella monostromatica</i> (P.J.L. Dangeard) Kornmann & Sahling 1985	X				
<i>Ulvella monostromatica</i> P. Dangeard 1965					
<i>Stromatella papillosa</i> (P.J.L. Dangeard) Kornmann & Sahling	X				
<i>Ulvella papillosa</i> P. Dangeard					
<i>Urospora curvata</i> (Printz) Kornmann	X				
Chlorococcales, Characiaceae					
<i>Sykidion droebakense</i> Wille	X				
Chlorochytriaceae					
<i>Chlorochytrium dermatocolax</i> Reinke 1889				X	
<i>Chlorosphaeropsis lemnae</i> F. Moewus 1950	X				
<i>Chlorochytrium archerianum</i> Hieronymous 1888					
<i>Chlorochytrium bienne</i> (Klebs) G.S. West 1916					
<i>Chlorochytrium kny anum</i> Cohn & Szymanski					
<i>Chlorochytrium limnanthemum</i> (Cunningham) G.S. West 1904					
<i>Chlorochytrium pallidum</i> Klebs 1881					
<i>Chlorochytrium willei</i> Printz 1926					
<i>Chlorokoryne petrovae</i> Pascher 1939					
<i>Ectogeron elodeae</i> P. Dangeard 1947					
<i>Endosphaera biennis</i> Klebs 1881					
<i>Eremotyle affixa</i> Geitler 1952					
<i>Nautococcopsis constricta</i> (Korshikov) Geitler					

Taxon	1	2	3	4	5
<i>Nautococcus constrictus</i> Korshikov 1926					
<i>Stomatocytrium limnanthemun</i> Cunningham 1887					
Endosphaeraceae					
<i>Codiolum gregarium</i> A. Braun 1855	X				
<i>Codiolum petrocelidis</i> Kuckuck 1894	X				
<i>Codiolum wormskioldii</i> (Mertens) C. den Hartog	X				
Chlorocystidales, Chlorocystidaceae					
<i>Halochlorococcum dilatatum</i> Kornmann & Sahling	X				
<i>Halochlorococcum marinum</i> P. Dangeard	X				
<i>Halochlorococcum moorei</i> (N.L. Gardner) Kornmann et Sahling 1983	X				
<i>Chlorochytrium moorei</i> N.L. Gardner 1917					
<i>Sykidion moorei</i> (N. Gardner) Kornmann & Sahling					
Trebouxiophyceae, Prasiolales, Prasiolaceae					
<i>Prasiola calophylla</i> (Carmichael ex Greville) Kützing 1845	X				
<i>Bangia calophylla</i> Carmichael ex Greville 1826					
<i>Conferva parietina</i> Vaucher					
<i>Hormidium parietinum</i> (Vauch.) Kützing					
<i>Oscillatoria parietina</i> Vaucher 1803					
<i>Prasiola calophylla</i> f. <i>antarctica</i> Wille 1924					
<i>Prasiola parietina</i> (Vaucher) Wille					
<i>Ulothrix parietina</i> Kützing					
<i>Prasiola furfuracea</i> (Mertens ex Hornemann) Kützing 1843	X				
<i>Prasiola leprosa</i> Kützing 1845					
<i>Ulva furfuracea</i> Mertens ex Hornemann 1813					
<i>Prasiola stipitata</i> Suhr ex Jessen 1848	X	X	X	X	X
<i>Rosenvingiella constricta</i> (Setchell & N.L. Gardner) P.C. Silva 1957	X				
<i>Gayella constricta</i> Setchell & N.L. Gardner 1917					
<i>Rosenvingiella polyrhiza</i> (Rosenvinge) P.C. Silva 1957	X		X		
<i>Gayella polyrhiza</i> Rosenvinge 1893					
<i>Prasiola polyrhiza</i> (Rosenvinge) Jonsson 1903					
Volvocales, Gloeotilaceae					
<i>Binuclearia lauterbornii</i> (Schmidle) Proschkina-Lavrenko 1966					X
Ulvophyceae, Cladophorales, Cladophoraceae					
<i>Aegagropila linnaei</i> Kützing 1843					X
<i>Aegagropila armeniaca</i> (Wittrock) Heering 1921					
<i>Aegagropila brownii</i> (Dillwyn) Kützing 1854					
<i>Aegagropila bulnheimii</i> Rabenhorst 1859					
<i>Aegagropila canescens</i> Kjellmann 1898					
<i>Aegagropila froelichiana</i> Kützing 1845					
<i>Aegagropila holsatica</i> (Kützing) Kützing 1854					
<i>Aegagropila lagerheimii</i> Brand 1906					
<i>Aegagropila martensii</i> (Meneghini ex Kützing) Kützing 1854					
<i>Aegagropila muscoides</i> (Meneghini ex Kützing) Kützing 1854					
<i>Aegagropila muscoides</i> var. <i>armeniaca</i> Wittrock 1878					
<i>Aegagropila profunda</i> (Brand) Heering 1821					
<i>Aegagropila sauteri</i> (Nees von Eisenbeck ex Kützing) Kützing nom. nov. 1843					
<i>Aegagropila sauteri</i> f. <i>profunda</i> Brand 1906					
<i>Aegagropila sauteri</i> var. <i>borgeana</i> (Brand) Heering 1921					
<i>Ceramium aegagropilum</i> (Linnaeus) de Lamarck & De Candolle 1805					
<i>Chantransia aegagrophila</i> (Linnaeus) Chevalier 1836					
<i>Chloronitum aegagropila</i> (Linnaeus) Gaillon 1833					
<i>Cladophora aegagropila</i> (Linnaeus) Rabenhorst 1868					
<i>Cladophora aegagropila</i> (Linnaeus) Trevisan 1845					
<i>Cladophora aegagropila</i> var. <i>brownii</i> (Dillwyn) Rabenhorst 1868					
<i>Cladophora aegagropila</i> var. <i>bulnheimii</i> (Rabenhorst) Rabenhorst 1868					
<i>Cladophora aegagropila</i> var. <i>daldinii</i> (Cesati & De Notaris ex Bertoloni) Rabenhorst 1868					
<i>Cladophora aegagropila</i> var. <i>holsatica</i> (Kützing) Rabenhorst 1868					
<i>Cladophora aegagropila</i> var. <i>linnaei</i> (Kützing) Rabenhorst 1868					
<i>Cladophora aegagropila</i> var. <i>martensii</i> (Meneghini ex Kützing) Rabenhorst 1868					

Taxon	1	2	3	4	5
<i>Cladophora aegagropila</i> var. <i>muscooides</i> (Meneghini ex Kützing) Rabenhors 1868					
<i>Cladophora aegagropila</i> var. <i>sauteri</i> (Nees von Eisenbeck ex Kützing) Rabenhorst 1868					
<i>Cladophora aegagropila</i> var. <i>thermalis</i> Wolle					
<i>Cladophora armeniaca</i> (Wittrock) Brand 1902					
<i>Cladophora brownii</i> (Dillwyn) Harvey 1846					
<i>Cladophora bulnheimii</i> (Rabenhorst) Rabenhorst 1863					
<i>Cladophora holsatica</i> Kützing					
<i>Cladophora profunda</i> Brand 1895					
<i>Cladophora profunda</i> var. <i>nordstedtiana</i> Brand 1902					
<i>Cladophora sauteri</i> (Nees von Eisenbeck ex Kützing) Kützing					
<i>Cladophora sauteri</i> var. <i>borgeana</i> Brand 1902					
<i>Cladophora yuennanensis</i> Skuja 1937					
<i>Conferva aegagropila</i> Linnaeus 1753					
<i>Conferva aegagropila</i> var. <i>adnata</i> Agardh 1824					
<i>Conferva brownii</i> Dillwyn 1809					
<i>Conferva coactilis</i> Sauter ex Nees von Eisenbeck 1824					
<i>Conferva pusilla</i> Rabenhorst 1847					
<i>Conferva sauteri</i> f. <i>suecica</i> Areschoug 1862					
<i>Oscillatoria aegagropila</i> (Linnaeus) Corda 1836					
<i>Chaetomorpha fibrosa</i> (Kützing) Kützing	X				
<i>Chaetomorpha ligustica</i> (Kützing) Kützing 1849	X		X	X	X
<i>Chaetomorpha capillaris</i> (Kützing) Børgesen 1925					
<i>Chaetomorpha mediterranea</i> (Kützing) Kützing 1849					
<i>Chaetomorpha mediterranea</i> var. <i>crispa</i> (Feldmann) Gallardo et al.					
<i>Chaetomorpha tortuosa</i> (Dillwyn) Kleen 1874					
<i>Conferva arenicola</i> Berkeley					
<i>Conferva arenosa</i> Carmichael 1833					
<i>Conferva capillaris</i> Kützing nom. illeg. 1847					
<i>Conferva juergensii</i> Mertens 1816					
<i>Conferva ligustica</i> Kützing 1843					
<i>Conferva perreptans</i>					
<i>Conferva tortuosa</i> Dillwyn 1805					
<i>Conferva ulothrix</i>					
<i>Lola capillaris</i> (Kützing) G. Hamel 1931					
<i>Lola tortuosa</i> (Dillwyn) V.J. Chapman 1953					
<i>Rhizoclonium affine</i> Kützing 1849					
<i>Rhizoclonium arenosum</i> (Carmichael) Kützing 1849					
<i>Rhizoclonium biforme</i> Kützing 1849					
<i>Rhizoclonium capillare</i> Kützing 1847					
<i>Rhizoclonium casparyi</i> Harvey					
<i>Rhizoclonium interruptum</i> Kützing 1845					
<i>Rhizoclonium juergensii</i> (Mertens) Kützing 1843					
<i>Rhizoclonium kernerii</i> f. <i>endozoica</i> Wille					
<i>Rhizoclonium kochianum</i> var. <i>arenicola</i> (Berkeley) Lily Newton 1931					
<i>Rhizoclonium lacustre</i> Kützing 1849					
<i>Rhizoclonium lubricum</i> Setchell & N.L. Gardner 1919					
<i>Rhizoclonium riparium</i> var. <i>casparyi</i> (Harvey) Holmes & Batters					
<i>Rhizoclonium riparium</i> var. <i>kochianum</i> (Kützing)					
<i>Rhizoclonium tortuosum</i> (Dillwyn) Kützing 1845					
<i>Spongopsis mediterranea</i> Kützing 1843					
<i>Chaetomorpha linum</i> (O.F. Müller) Kützing 1849	X	X	X	X	X
<i>Chaetomorpha aerea</i> (Dillwyn) Kützing 1849					
<i>Chaetomorpha baltica</i> Kützing					
<i>Chaetomorpha chlorotica</i> (Montagne) Kützing 1849					
<i>Chaetomorpha crassa</i> (C. Agardh) Kützing 1845					
<i>Chaetomorpha linoidea</i> Kützing 1847					
<i>Chaetomorpha linum</i> f. <i>aerea</i> (Dillwyn) F.S. Collins					
<i>Chaetomorpha paucitatis</i> Gilbert 1965					
<i>Chaetomorpha princeps</i> (Kützing) Kützing 1845					
<i>Chaetomorpha rigida</i> Kützing 1845					
<i>Chaetomorpha surtoria</i> (Berkeley) Kornmann					

Taxon	1	2	3	4	5
<i>Chaetomorpha sutoria</i> Rabenhorst					
<i>Chaetomorpha torulosa</i> Kützing 1845					
<i>Chaetomorpha variabilis</i> (Kützing) Kützing 1845					
<i>Chloronitum aerea</i> (Dillwyn) Gaillon 1828					
<i>Conferva aerea</i> Dillwyn 1806					
<i>Conferva chlorotica</i> Montagne 1846					
<i>Conferva crassa</i> C. Agardh 1824					
<i>Conferva linoides</i> C. Agardh 1822					
<i>Conferva linoides</i> S. Gray 1821					
<i>Conferva linum</i> O.F. Müller 1778					
<i>Conferva princeps</i> Kützing 1843					
<i>Conferva rigida</i> C. Agardh nom. illeg. 1824					
<i>Conferva torulosa</i> Zanardini 1843					
<i>Conferva variabilis</i> Kützing 1843					
<i>Lychaete linum</i> (O.F. Müller) Areschoug 1851					
<i>Chaetomorpha melagonium</i> (F. Weber & D. Mohr) Kützing 1845	X			X	X
<i>Chaetomorpha melagonium</i> f. <i>rupinicola</i> (Areschoug) Kjellman 1889					
<i>Conferva melagonium</i> F. Weber & Mohr 1804					
<i>Cladophora albida</i> (Nees) Kützing 1843	X	X	X	X	X
<i>Annulina albida</i> Nees 1820					
<i>Cladophora acutangula</i> Zanardini ex Frauenfeld 1855					
<i>Cladophora albida</i> var. <i>refracta</i> Thuret ex Collins 1902					
<i>Cladophora bertolonii</i> var. <i>corymbifera</i> (Kützing) Ardissonne 1886					
<i>Cladophora bertolonii</i> var. <i>hamosa</i> (Kützing) Ardissonne 1886					
<i>Cladophora blidingiana</i> Kylin 1949					
<i>Cladophora chlorothrix</i> Kützing 1845					
<i>Cladophora comosa</i> De Notaris 1846					
<i>Cladophora corymbifera</i> Kützing 1849					
<i>Cladophora curvula</i> Kützing 1849					
<i>Cladophora curvula</i> var. <i>hystrix</i> Kützing 1849					
<i>Cladophora curvula</i> var. <i>incurvua</i> Kützing 1849					
<i>Cladophora falcata</i> Duby 1828					
<i>Cladophora flexicaulis</i> Kützing 1849					
<i>Cladophora glaucescens</i> var. <i>alba</i> Kützing 1849					
<i>Cladophora gracillima</i> Harvey nom. illeg. 1859					
<i>Cladophora gracillima</i> Kützing 1849					
<i>Cladophora gracillima</i> var. <i>conferta</i> Kützing 1849					
<i>Cladophora hamosa</i> (Kützing) Kützing 1849					
<i>Cladophora hamosa</i> f. <i>refracta</i> Hauck 1885					
<i>Cladophora harveyi</i> Womersley 1956					
<i>Cladophora humilis</i> Kützing 1849					
<i>Cladophora laetevirens</i> var. <i>adunca</i> Kützing 1843					
<i>Cladophora lepidula</i> (Montagne) Kützing 1849					
<i>Cladophora magdalenae</i> Harvey 1851					
<i>Cladophora neapolitana</i> Schiffner 1926					
<i>Cladophora neapolitana</i> f. <i>elongata</i> Schiffner 1926					
<i>Cladophora neesiorum</i> (C. Agardh) Kützing 1845					
<i>Cladophora neesiorum</i> var. <i>humilis</i> (Kützing) Batters 1902					
<i>Cladophora notarisii</i> Ardissonne & Stafforello 1877					
<i>Cladophora pumila</i> Kützing 1849					
<i>Cladophora ramellosa</i> Kützing 1845					
<i>Cladophora refracta</i> f. <i>nana</i> Schiffner					
<i>Cladophora refracta</i> var. <i>spinulifera</i> Kützing 1849					
<i>Cladophora reticulata</i> Kützing 1849					
<i>Cladophora scitula</i> (Suhr) Kützing 1849					
<i>Cladophora spinulifera</i> (Kützing) Kützing 1854					
<i>Cladophora spinulosa</i> Kützing 1845					
<i>Cladophora subpectinata</i> Kützing 1849					
<i>Cladophora tenuis</i> Kützing 1845					
<i>Cladophora tenuissima</i> Schiffner 1931					
<i>Cladophora torulosa</i> Kützing 1845					

Taxon	1	2	3	4	5
<i>Cladophora uncatata</i> Bertoloni 1862					
<i>Cladophoropsis pallida</i> Beardseth 1941					
<i>Conferva albida</i> Hudson 1778					
<i>Conferva arborescens</i> Derbes & Solier 1853					
<i>Conferva curvula</i> (Kützing) Crouan 1867					
<i>Conferva curvula</i> var. <i>gracillima</i> (Kützing) Crouan 1867					
<i>Conferva falcata</i> Harvey 1849					
<i>Conferva hamosa</i> Kützing 1843					
<i>Conferva inops</i> Zanardini 1847					
<i>Conferva lepidula</i> Montagne 1846					
<i>Conferva neesiorum</i> C. Agardh 1827					
<i>Conferva scitula</i> Suhr 1831					
<i>Cladophora battersii</i> Hoek 1963	X				
<i>Cladophora corynarthra</i> var. <i>spinescens</i> Batters 1900					
<i>Conferva refracta</i> Roth 1800					
<i>Cladophora cristata</i> Kützing			X		
<i>Cladophora dalmatica</i> Kützing 1843	X	X	X	X	
<i>Aegagropila conglobata</i> (Kützing) Kützing 1854					
<i>Aegagropila subtilis</i> Kützing 1854					
<i>Cladophora arachnoidea</i> Schiffner 1943					
<i>Cladophora caespitosa</i> P. Crouan & H. Crouan nom. illeg					
<i>Cladophora ceratina</i> var. <i>bahusiensis</i> Wittrock 1878					
<i>Cladophora conglobata</i> Kützing 1843					
<i>Cladophora crassiusculus</i>					
<i>Cladophora crystallina</i> var. <i>abbreviata</i> Kützing 1849					
<i>Cladophora crystallina</i> var. <i>cartilaginea</i> Kützing					
<i>Cladophora crystallina</i> var. <i>radians</i> Kützing 1849					
<i>Cladophora dalmatica</i> var. <i>incurva</i> Schiffner 1931					
<i>Cladophora glebifera</i> (Kützing) Kützing 1854					
<i>Cladophora heteronema</i> var. <i>pycnoderma</i> (Schiffner) Schiffner 1915					
<i>Cladophora lubrica</i> Kützing 1845					
<i>Cladophora lutescens</i> Kützing 1845					
<i>Cladophora mutila</i> Kützing 1843					
<i>Cladophora nebulosa</i> Kützing 1845					
<i>Cladophora nitida</i> var. <i>minor</i> Ardissonne 1883					
<i>Cladophora nitidissima</i> var. <i>penicillata</i> (Meneghini) Kützing 1849					
<i>Cladophora oblitterata</i> J. Söderström nom. nov. 1963					
<i>Cladophora penicillata</i> Meneghini 1844					
<i>Cladophora penicillata</i> var. <i>lutescens</i> (Kützing) Ardissonne 1886					
<i>Cladophora pistillata</i> Kützing 1843					
<i>Cladophora plumula</i> Kützing 1843					
<i>Cladophora plumula</i> var. <i>glebifera</i> Kützing 1843					
<i>Cladophora pusilla</i> Sakai 1964					
<i>Cladophora pycnoderma</i> Schiffner 1915					
<i>Cladophora rudolphiana</i> f. <i>densior</i> Schiffner 1926					
<i>Cladophora rudolphiana</i> var. <i>tenuiclada</i> Schiffner 1931					
<i>Cladophora sertularina</i> (C. Agardh) Kützing					
<i>Cladophora utriculosa</i> f. <i>lutescens</i> (Kützing) Hamel 1929					
<i>Cladophora zostericola</i> P.L. Crouan & H.M. Crouan 1865					
<i>Conferva conglobata</i> (Kützing) Rabenhorst 1847					
<i>Conferva kaneana</i>					
<i>Conferva pistillata</i> (Kützing) Rabenhorst 1847					
<i>Conferva plumula</i> (Kützing) Zanardini 1847					
<i>Conferva sertularina</i> C. Agardh 1824					
<i>Cladophora fracta</i> (O.F. Müller ex Vahl) Kützing 1843	X	X	X	X	
<i>Aegagropila agardhii</i> Kützing 1843					
<i>Cladophora canalicularis</i> var. <i>squarrolosa</i> (Grunow ex Rabenhorst) Rabenhorst 1868					
<i>Cladophora crispata</i> var. <i>thermalis</i> Brügger ex Wartmann & Schenk 1863					
<i>Cladophora crispata</i> var. <i>vitrea</i> (Kützing) Kützing 1845					
<i>Cladophora fracta</i> f. <i>horrida</i> (Kützing) Rabenhorst 1868					
<i>Cladophora fracta</i> f. <i>submarina</i> Schiffner 1931					

Taxon	1	2	3	4	5
<i>Cladophora fracta</i> var. <i>flexuosa</i> Holmes ex Batters 1902					
<i>Cladophora fracta</i> var. <i>horrida</i> Kützing 1845					
<i>Cladophora fracta</i> var. <i>patens</i> (Agardh) Rabenhorst 1868					
<i>Cladophora fracta</i> var. <i>prolifera</i> (Agardh) Kützing 1845					
<i>Cladophora fracta</i> var. <i>subsimplax</i> Kützing 1845					
<i>Cladophora fracta</i> var. <i>sudetica</i> (Kützing) Wittrock					
<i>Cladophora fracta</i> var. <i>terrestris</i> Kützing 1845					
<i>Cladophora fracta</i> var. <i>viadrina</i> (Kützing) Kirchner 1878					
<i>Cladophora funiformis</i> (Roth) Kützing 1845					
<i>Cladophora patens</i> (Agardh) Kützing 1845					
<i>Cladophora rigidula</i> Kützing 1845					
<i>Cladophora sudetica</i> Kützing 1845					
<i>Cladophora viadrina</i> Kützing 1845					
<i>Cladophora vitrea</i> Kützing 1843					
<i>Conferva crispata</i> var. <i>longissima</i> Roth nom. nov. 1806					
<i>Conferva crispata</i> var. <i>subterrestris</i> Kützing 1833					
<i>Conferva crispata</i> var. <i>vitrea</i> (Kützing) Rabenhorst 1847					
<i>Conferva flavescens</i> (Roth) Kützing					
<i>Conferva fracta</i> O.F. Müller ex Vahl 1787					
<i>Conferva fracta</i> var. <i>patens</i> (Agardh) Kützing 1833					
<i>Conferva fracta</i> var. <i>prolifera</i> Agardh 1817					
<i>Conferva funiformis</i> Roth 1797					
<i>Conferva patens</i> Agardh 1824					
<i>Conferva patens</i> var. <i>prolifera</i> (Agardh) Agardh 1824					
<i>Conferva rigidula</i> (Kützing) Rabenhorst 1847					
<i>Conferva sericea</i> var. <i>elongata</i> Agardh 1824					
<i>Conferva sudetica</i> (Kützing) Rabenhorst 1847					
<i>Conferva viadrina</i> (Kützing) Rabenhorst 1847					
<i>Rothella fracta</i> (Müller ex Vahl) Gallion 1833					
<i>Cladophora fracta</i> var. <i>intricata</i> (Lyngbye) C. Hoek					X
<i>Cladophora bruzelii</i> Kützing 1845					
<i>Cladophora canalicularis</i> f. <i>kuetzingiana</i> (Grunow ex Rabenhorst) Rabenhorst 1868					
<i>Cladophora regularis</i> Kützing 1845					
<i>Conferva regularis</i> (Kützing) Rabenhorst					
<i>Conferva sericea</i> var. <i>intricata</i> Lyngbye 1819					
<i>Cladophora glomerata</i> (Linnaeus) Kützing 1843			X	X	X
<i>Annulina glomerata</i> (Linnaeus) Link 1820					
<i>Chantransia flavicans</i> Desvaux 1813					
<i>Chantransia glomerata</i> (Linnaeus) de Lamarck & De Candolle 1805					
<i>Chantransia vaginata</i> (Ducluzeau) Desvaux 1813					
<i>Cladophora brachystelecha</i> Rabenhorst 1857					
<i>Cladophora canicularis</i> Roth					
<i>Cladophora comosa</i> Kützing 1843					
<i>Cladophora crispata</i> (Roth) Kützing 1843					
<i>Cladophora cristata</i> f. <i>maura</i> Lewin 1888					
<i>Cladophora crystallina</i> var. <i>flaccida</i> Kützing 1849					
<i>Cladophora curvata</i> Kützing 1845					
<i>Cladophora declinata</i> Kützing 1849					
<i>Cladophora declinata</i> var. <i>fluitans</i> (Kützing) Hansgirg 1886					
<i>Cladophora declinata</i> var. <i>pumila</i> (Bail ex Rabenhorst) Kirchner 1878					
<i>Cladophora elongata</i> (Agardh) Kützing 1843					
<i>Cladophora fasciculata</i> Kützing 1845					
<i>Cladophora fasciculata</i> f. <i>declinata</i> (Kützing) Hauck					
<i>Cladophora flavescens</i> var. <i>clavigera</i> Kützing 1843					
<i>Cladophora flavida</i> Kützing 1845					
<i>Cladophora flavida</i> var. <i>clavigera</i> (Kützing) Kützing 1845					
<i>Cladophora fluitans</i> Kützing 1845					
<i>Cladophora fracta</i> var. <i>flavescens</i> (Harvey) Batters					
<i>Cladophora fracta</i> var. <i>strepens</i> (Agardh) Rabenhorst 1868					
<i>Cladophora glomerata</i> var. <i>arbuscula</i> Rabenhorst 1863					
<i>Cladophora glomerata</i> var. <i>cartilaginea</i> Kützing 1849					

Taxon	1	2	3	4	5
<i>Cladophora glomerata</i> var. <i>intricata</i> (Kützinger) Kützinger 1849					
<i>Cladophora glomerata</i> var. <i>mucosa</i> Kützinger 1849					
<i>Cladophora glomerata</i> var. <i>rivularis</i> Rabenhorst 1851					
<i>Cladophora glomerata</i> var. <i>simplicior</i> Kützinger 1849					
<i>Cladophora glomerata</i> var. <i>tenuior</i> Kützinger 1849					
<i>Cladophora insignis</i> var. <i>fluvialis</i> Kützinger 1849					
<i>Cladophora intricata</i> Kützinger 1845					
<i>Cladophora macrogonya</i> (Lyngbye) Kützinger 1843					
<i>Cladophora olympica</i> Grunow ex Rabenhorst 1868					
<i>Cladophora strepens</i> (Agardh) Kützinger 1843					
<i>Cladophora tildeniae</i> Brand 1902					
<i>Cladophora uberrima</i> Lambert					
<i>Conferva comosa</i> Kützinger 1836					
<i>Conferva cristata</i> Roth 193					
<i>Conferva elongata</i> Agardh 1824					
<i>Conferva erecta</i> Suhr 1840					
<i>Conferva erecta</i> var. <i>subsimplex</i> Suhr 1840					
<i>Conferva erecta</i> var. <i>tenerrima</i> Suhr 1840					
<i>Conferva flavida</i> (Kützinger) Rabenhorst 1847					
<i>Conferva glomerata</i> Linnaeus 1753					
<i>Conferva glomerata</i> var. <i>detersa</i> Agardh 1824					
<i>Conferva glomerata</i> var. <i>firmior</i> Agardh 1824					
<i>Conferva glomerata</i> var. <i>longissima</i> (Desfontaines) Agardh 1824					
<i>Conferva glomerata</i> var. <i>macrogonya</i> Lyngbye 1819					
<i>Conferva glomerata</i> var. <i>ochrochloa</i> Agardh 1824					
<i>Conferva glomerata</i> var. <i>simplicior</i> Agardh 1824					
<i>Conferva heufferii</i> Zanardini 1852					
<i>Conferva longissima</i> Desfontaines 1798					
<i>Conferva macrogonya</i> (Lyngbye) Rabenhorst 1847					
<i>Conferva rigida</i> Hudson 1762					
<i>Conferva strepens</i> Agardh 1827					
<i>Conferva vaginata</i> Ducluzeau 1805					
<i>Polysperma glomerata</i> (Linnaeus) Vaucher 1803					
<i>Cladophora laetevirens</i> (Dillwyn) Kützinger 1843	X	X	X		
<i>Aegagropila meneghiniana</i> Kützinger 1845					
<i>Cladophora affinis</i> Schiffner 1933					
<i>Cladophora bertolonii</i> var. <i>elongata</i> Ardissonne nom. nov. 1886					
<i>Cladophora campyloclada</i> Bornet ex Hamel 1929					
<i>Cladophora catenatoides</i> P. Crouan & H. Crouan 1878					
<i>Cladophora crystallina</i> var. <i>patentissima</i> Kützinger 1845					
<i>Cladophora falcata</i> Harvey 1848					
<i>Cladophora fuscescens</i> Kützinger 1845					
<i>Cladophora hamifera</i> Zanardini ex Frauenfeld 1855					
<i>Cladophora heteronema</i> (C. Agardh) Kützinger 1843					
<i>Cladophora incurva</i> Meneghini 1844					
<i>Cladophora lateralis</i> Zanardini ex Frauenfeld 1855					
<i>Cladophora laxa</i> Kützinger 1845					
<i>Cladophora lehmanniana</i> var. <i>effusa</i> Kützinger 1849					
<i>Cladophora leptocladia</i> Kützinger 1845					
<i>Cladophora lutescens</i> var. <i>longiarticulata</i> Kützinger 1849					
<i>Cladophora meneghiniana</i> (Kützinger) Kützinger					
<i>Cladophora mexicana</i> P.L. Crouan & H.M. Crouan 1865					
<i>Cladophora moniliformis</i> Ardissonne 1864					
<i>Cladophora patula</i> Zanardini ex Frauenfeld 1855					
<i>Cladophora penicillata</i> f. <i>longiarticulata</i> (Kützinger) Schiffner 1938					
<i>Cladophora purpurascens</i> Lespinasse 1883					
<i>Cladophora repens</i> f. <i>meneghiniana</i> (Kützinger) Hauck 1885					
<i>Cladophora saccata</i> Kützinger 1845					
<i>Cladophora trichocoma</i> Kützinger 1847					
<i>Cladophora utriculosa</i> var. <i>falcata</i> (Harvey) De Toni 1889					
<i>Cladophora utriculosa</i> var. <i>laetevirens</i> (Dillwyn) Hauck 1885					

Taxon	1	2	3	4	5
<i>Cladophora utriculosa</i> var. <i>laxa</i> (Kützing) Schiffner 1933					
<i>Cladophoropsis rhodensis</i> (Reinbold) Wille 1910					
<i>Conferva heteronema</i> C. Agardh 1824					
<i>Conferva laetevirens</i> Dillwyn 1805					
<i>Conferva rudolphiana</i> var. <i>meneghiniana</i> (Kützing) Rabenhorst 1847					
<i>Conferva trichocoma</i> (Kützing) Crouan 1867					
<i>Siphonocladus rhodensis</i> Reinbold 1898					
<i>Cladophora lehmanniana</i> (Lindenberg) Kützing 1843	X	X	X		
<i>Cladophora fruticulosa</i> Kützing 1845					
<i>Cladophora lehmanniana</i> var. <i>cristata</i> Kützing 1849					
<i>Cladophora longiarticulata</i> (Kützing) Kützing 1853					
<i>Cladophora macallana</i> Harvey 1847					
<i>Cladophora macallana</i> f. <i>harveyana</i> Hamel 1924					
<i>Cladophora macallana</i> f. <i>kuetzingiana</i> Hamel 1924					
<i>Cladophora obtusata</i> Zanardini ex Frauenfeld 1855					
<i>Cladophora punica</i> Hamel 1929					
<i>Cladophora ramulosa</i> Meneghini 1844					
<i>Cladophora utriculosa</i> Kützing 1843					
<i>Cladophora utriculosa</i> f. <i>lehmanniana</i>					
<i>Cladophora utriculosa</i> var. <i>longiarticulata</i> Kützing 1849					
<i>Cladophora utriculosa</i> var. <i>ramulosa</i> (Meneghini) Hauck 1885					
<i>Conferva crouani</i> Chauvin 1845					
<i>Conferva fruticulosa</i> (Kützing) Zanardini nom. illeg. 1847					
<i>Conferva lehmanniana</i> Lindenberg 1840					
<i>Conferva macallana</i> (Harvey) Crouan 1867					
<i>Conferva prolifera</i> var. <i>tenuior</i> Roth 1797					
<i>Conferva utriculosa</i> (Kützing) Zanardini nom. illeg. 1847					
<i>Cladophora pellucida</i> (Hudson) Kützing 1843	X				
<i>Aegagropila trichotoma</i> (C. Agardh) Kützing 1854					
<i>Chloronitum pellucidum</i> (Hudson) Gallion 1828					
<i>Cladophora catenifera</i> Kützing 1849					
<i>Cladophora pellucida</i> var. <i>comosa</i> Kützing 1849					
<i>Cladophora pellucida</i> var. <i>curvata</i> Kützing 1849					
<i>Cladophora pseudopellucida</i> Hoek 1963					
<i>Cladophora trichotoma</i> (C. Agardh) Kützing 1843					
<i>Conferva pellucida</i> Hudson 1762					
<i>Conferva trichotoma</i> C. Agardh 1824					
<i>Cladophora pygmaea</i> Reinke 1888				X	
<i>Cladophora refracta</i> Kützing	X				
<i>Cladophora ruchingeri</i> (C. Agardh) Kützing			X		
<i>Cladophora gracilis</i> f. <i>elongata</i> Collins 1902					
<i>Cladophora gracilis</i> var. <i>stricta</i> Schiffner 1938					
<i>Cladophora nitida</i> var. <i>ruchingeri</i> (C.A. Agardh) Ardissonne 1886					
<i>Cladophora sericea</i> f. <i>ruchingeri</i> (C.A. Agardh) Hamel 1929					
<i>Conferva ruchingeri</i> C. Agardh 1824					
<i>Cladophora rupestris</i> (Linnaeus) Kützing 1843	X	X	X	X	X
<i>Aegagropila biformis</i> Wittrock 1878					
<i>Annulina rupestris</i> (Linnaeus) Link 1820					
<i>Ceramium rupestre</i> (Linnaeus) de Lamarck & De Candolle 1805					
<i>Chloronitum rupestre</i> (Linnaeus) Gallion 1828					
<i>Cladophora bertolonii</i> Kützing nom. nov. 1849					
<i>Cladophora lyngbyana</i> Kützing 1845					
<i>Cladophora nuda</i> (Harvey ex Mackay) Harvey 1849					
<i>Cladophora opposita</i> Kützing 1843					
<i>Cladophora plumosa</i> Kützing 1843					
<i>Cladophora ramosissima</i> (Draparnaud ex Kützing) Kützing 1843					
<i>Cladophora ramosissima</i> (Draparnaud ex Kützing) Kützing 1849					
<i>Cladophora rupestris</i> f. <i>contracta</i> Simmons 1897					
<i>Cladophora rupestris</i> f. <i>flaccida</i> Suringar 1857					
<i>Cladophora rupestris</i> f. <i>mediterranea</i> (Kützing) Ardissonne					
<i>Cladophora rupestris</i> f. <i>nuda</i> (Harvey ex Mackay) Holmes & Batters ex Batters 1902					

Taxon	1	2	3	4	5
<i>Cladophora rupestris</i> f. <i>rigida</i> Suringar 1857					
<i>Cladophora rupestris</i> f. <i>submarina</i> Foslie 1884					
<i>Cladophora rupestris</i> var. <i>baltica</i> Kützing 1845					
<i>Cladophora rupestris</i> var. <i>mediterranea</i> Kützing 1849					
<i>Cladophora rupestris</i> var. <i>nuda</i> (Harvey) Holmes & Batters					
<i>Cladophora rupestris</i> var. <i>nuda</i> Hamel 1925					
<i>Cladophora sertularina</i> var. <i>adriatica</i> Kützing 1849					
<i>Conferva glauca</i> Roth 1800					
<i>Conferva lyngbyana</i> (Kützing) Rabenhorst 1847					
<i>Conferva nuda</i> Harvey ex Mackay 1836					
<i>Conferva ramosissima</i> Draparnaud ex Kützing 1845					
<i>Conferva rupestris</i> Linnaeus 1753					
<i>Conferva rupestris</i> var. <i>glauca</i> (Roth) Roth 1806					
<i>Cladophora sericea</i> (Hudson) Kützing 1843	X	X	X	X	X
<i>Aegagropila rudolphiana</i> (C. Agardh) Kützing 1845					
<i>Ceramium sericeum</i> de Lamarck & De Candolle 1805					
<i>Chloronitum sericeum</i> (Hudson) Gallion 1928					
<i>Cladophora balliana</i> Harvey 1851					
<i>Cladophora crystalina</i> var. <i>patula</i> Schniffer 1938					
<i>Cladophora divaricata</i> var. <i>hamulifera</i> Kützing 1849					
<i>Cladophora froelichiana</i> Kützing 1843					
<i>Cladophora glaucescens</i> (A.W. Griffiths ex Harvey) Harvey pro parte 1849					
<i>Cladophora gracilis</i> var. <i>harveyana</i> Sjöstedt 1927					
<i>Cladophora hirta</i> Kützing 1845					
<i>Cladophora hirta</i> var. <i>borealis</i> Foslie 1884					
<i>Cladophora lagunarum</i> Schiffner 1938					
<i>Cladophora longicoma</i> Kützing 1849					
<i>Cladophora mediterranea</i> Hauck 1885					
<i>Cladophora nitida</i> Kützing 1843					
<i>Cladophora nitidissima</i> Meneghini 1844					
<i>Cladophora ovoidea</i> Kützing 1843					
<i>Cladophora patens</i> var. <i>prolifera</i> Kützing 1853					
<i>Cladophora pectinicornis</i> Kützing 1849					
<i>Cladophora penicillata</i> var. <i>elongata</i> Schiffner 1938					
<i>Cladophora plumosa</i> Kützing 1845					
<i>Cladophora rhadina</i> Setchell 1926					
<i>Cladophora rudolphiana</i> (C. Agardh) Kützing 1843					
<i>Cladophora rudolphiana</i> f. <i>elongata</i> Schiffner 1926					
<i>Cladophora rudolphiana</i> f. <i>erosa</i> N.L.Gardner 1918					
<i>Cladophora rudolphiana</i> f. <i>subpatula</i> Schiffner					
<i>Cladophora rudolphiana</i>					
<i>Cladophora sericea</i> var. <i>flaccida</i> Kützing 1849					
<i>Cladophora sirocladia</i> Kützing 1849					
<i>Cladophora sirocladia</i> var. <i>gracilis</i> Kützing 1849					
<i>Cladophora subulifera</i> var. <i>divaricata</i> Kützing 1845					
<i>Cladophora thoreana</i> Kützing 1843					
<i>Cladophora utriculosa</i> f. <i>pectinicornis</i> (Kützing) Hamel 1929					
<i>Cladophora viridula</i> Kützing 1849					
<i>Conferva froelichii</i> Rabenhorst nom. nov. 1847					
<i>Conferva glaucescens</i> Griffiths ex Harvey pro parte 1841					
<i>Conferva hirta</i> (Kützing) Crouan 1867					
<i>Conferva nitida</i> (Kützing) Rabenhorst 1847					
<i>Conferva pectinicornis</i> (Kützing) Crouan 1867					
<i>Conferva rudolphiana</i> C. Agardh 1827					
<i>Conferva rupestris</i> var. <i>flexuosa</i> Lyngbye 1819					
<i>Conferva sandrii</i> Zanardini ex Kützing 1849					
<i>Conferva sericea</i> Hudson 1762					
<i>Conferva sericea</i> var. <i>marina</i> Lyngbye 1819					
<i>Conferva veneta</i> Zanardini 1847					
<i>Rothella flexuosa</i> (Müller) Gallion 1833					

Taxon	1	2	3	4	5
<i>Cladophora vagabunda</i> (Linnaeus) Hoek 1963	X	X	X	X	
<i>Aegagropila flaccida</i> (Kützinger) Kützinger 1854					
<i>Ceramium vagabundum</i> (Linnaeus) Roth 1800					
<i>Cladophora adriatica</i> Schiffner 1938					
<i>Cladophora brachyclona</i> Montagne ex Kützinger 1849					
<i>Cladophora ceratina</i> Kützinger 1845					
<i>Cladophora daveyana</i> Reinbold 1899					
<i>Cladophora divergens</i> Schiffner nom. illeg. 1937					
<i>Cladophora elegans</i> f. <i>major</i> Brand 1904					
<i>Cladophora expansa</i> (Mertens) Kützinger 1843					
<i>Cladophora expansa</i> var. <i>glomerata</i> Thuret ex Collins 1902					
<i>Cladophora fascicularis</i> (Mertens ex C. Agardh) Kützinger 1843					
<i>Cladophora flaccida</i> Kützinger 1845					
<i>Cladophora flavida</i> var. <i>virescens</i> Kützinger 1845					
<i>Cladophora flavovirens</i> Kützinger 1849					
<i>Cladophora fuscescens</i> var. <i>decipiens</i> Schiffner 1938					
<i>Cladophora glomerata</i> var. <i>pusilla</i> Brand 1904					
<i>Cladophora heterochloa</i> (C.A. Agardh) Kützinger 1843					
<i>Cladophora heteronema</i> f. <i>sanvicensis</i> Brand 1904					
<i>Cladophora heteropsis</i> Kützinger 1849					
<i>Cladophora implicata</i> (Zanardini) Bertoloni 1862					
<i>Cladophora inserta</i> Dickie 1876					
<i>Cladophora inserta</i> f. <i>typica</i> Setchell 1926					
<i>Cladophora inserta</i> f. <i>ungulata</i> (Brand) Setchell 1926					
<i>Cladophora lagunarum</i> var. <i>prolifera</i> Schiffner 1938					
<i>Cladophora mauritiana</i> Kützinger 1849					
<i>Cladophora mauritiana</i> var. <i>ungulata</i> Brand 1904					
<i>Cladophora monumentalis</i> Børgesen 1935					
<i>Cladophora penicillata</i> Kützinger 1853					
<i>Cladophora penicillata</i> var. <i>gracilis</i> Schiffner 1938					
<i>Cladophora pinniger</i> Setchell 1924					
<i>Cladophora pulverulenta</i> (Mertens) Phinney 1945					
<i>Cladophora rupestris</i> f. <i>gracilior</i> Suringar 1857					
<i>Cladophora subnuda</i> Schiffner 1938					
<i>Cladophora sulphurea</i> Zanardini ex Frauenfeld 1855					
<i>Cladophora tenerrima</i> Kützinger 1849					
<i>Cladophora uncinella</i> Harvey 1860					
<i>Cladophora utriculosa</i> var. <i>aegaea</i> Kützinger 1849					
<i>Cladophora utriculosa</i> var. <i>cartilaginea</i> Kützinger 1849					
<i>Cladophora zostericola</i> Martens 1866					
<i>Conferva bruzelii</i> C.A. Agardh 1824					
<i>Conferva ceratina</i> Kützinger 1836					
<i>Conferva densa</i> (Roth) Rabenhorst 1847					
<i>Conferva expansa</i> Mertens ex Jürgens 1817					
<i>Conferva fascicularis</i> Mertens ex C. Agardh 1824					
<i>Conferva glomerata</i> var. <i>rigida</i> C.A. Agardh 1817					
<i>Conferva heterochloa</i> C.A. Agardh nom. nov. 1824					
<i>Conferva implicata</i> Zanardini 1847					
<i>Conferva incrustata</i> Zanardini 1847					
<i>Conferva lutescens</i> (Kützinger) Zanardini nom. illeg. 1847					
<i>Conferva pulverulenta</i> Mertens ex Jürgens 1824					
<i>Conferva vagabunda</i> Linnaeus 1753					
<i>Hormotrichum vermiculare</i> Kützinger	X				
<i>Rhizoclonium hieroglyphicum</i> (C. Agardh) Kützinger 1845			X		X
<i>Conferva hieroglyphica</i> C. Agardh 1827					
<i>Microspora fontinalis</i> (Berkeley) De Toni					
<i>Rhizoclonium aponinum</i> (Pollini) Kützinger 1845					
<i>Rhizoclonium riparium</i> (Roth) Harvey 1849	X	X	X	X	X
<i>Conferva riparia</i> Roth 1806					
<i>Rhizoclonium implexum</i> (Dillwyn) Kützinger 1845					
<i>Rhizoclonium kernerii</i> Stockmayer 1890					

Taxon	1	2	3	4	5
<i>Rhizoclonium panniosum</i> Kützing					
<i>Rhizoclonium salinum</i> Kützing					
<i>Tiresias riparia</i> (Roth) Areschoug 1851					
<i>Rhizoclonium riparium</i> var. <i>implexum</i> (Dillwyn) Rosenvinge 1893	X				
<i>Conferva implexa</i> Dillwyn 1809					
<i>Lola implexa</i> (Dillwyn) G. Hamel 1931					
<i>Rhizoclonium kochianum</i> Kützing 1845					
<i>Rhizoclonium kochianum</i> var. <i>kernerii</i> (Stockmayer) G. Hamel					
Ulotriconales, <i>Borodinellaceae</i>					
<i>Planophila microcystis</i> (P.J.L. Dangeard) Kornmann & Sahling 1983	X				
<i>Ulvella microcystis</i> P. Dangeard					
Gomontiaceae					
<i>Eugomontia sacculata</i> Kornmann 1960		X		X	
<i>Gomontia polyrhiza</i> (Lagerheim) Bornet & Flahault 1888		X	X	X	X
<i>Codiolum polyrhizum</i> Lagerheim 1886					
<i>Coliolum polyrhizum</i> Lagerheim					
<i>Gomontia bornetii</i> Setchell & N.L. Gardner 1920					
<i>Gomontia caudata</i> Setchell & N.L. Gardner 1920					
<i>Gomontia harbrorhiza</i> Setchell & N.L. Gardner 1920					
<i>Gomontia manxiana</i> Chodat					
<i>Monostroma arcticum</i> Wittrock 1866	X				
<i>Monostroma balticum</i> (Areschoug) Wittrock					X
<i>Ulva baltica</i> Areschoug					
<i>Monostroma grevillei</i> (Thuret) Wittrock 1866	X	X	X	X	X
<i>Enteromorpha grevillei</i> Thuret 1854					
<i>Ulva grevillei</i> (Thuret) Le Jolis 1863					
<i>Ulvopsis grevillei</i> (Thuret) Gayral 1964					
<i>Protomonostroma undulatum</i> (Wittrock) K.L. Vinogradova 1969	X				
<i>Monostroma areolatum</i> Setchell & N.L. Gardner 1920					
<i>Monostroma undulatum</i> Wittrock 1866					
Ulotriconaceae					
<i>Acrosiphonia arcta</i> (Dillwyn) Gain 1912	X	X	X	X	
<i>Acrosiphonia centralis</i> (Lyngbye) Kjellman 1893					
<i>Cladophora arcta</i> (Dillwyn) Kützing					
<i>Cladophora lanosa</i> (Roth) Kützing 1843					
<i>Cladophora radians</i> Kützing 1863					
<i>Cladophora rhizophora</i> Kützing					
<i>Conferva arcta</i> Dillwyn 1809					
<i>Conferva centralis</i> Lyngbye 1819					
<i>Conferva lanosa</i> Roth 1806					
<i>Spongomorpha centralis</i> (Lyngbye) Kützing					
<i>Acrosiphonia sonderi</i> (Kützing) Kornmann 1962	X	X	X	X	
<i>Cladophora sonderi</i> Kützing 1845					
<i>Spongomorpha sonderi</i> (Kützing) Kützing 1854					
<i>Acrosiphonia spinescens</i> (Kützing) Kjellmann 1883	X	X	X		
<i>Cladophora spinescens</i> Kützing 1849					
<i>Spongomorpha spinescens</i> (Kützing) Kützing 1854					
<i>Chlorocystis cohnii</i> (E.P.Wright) E.G.Reinhard 1900	X				
<i>Chlorochytrium cohnii</i> E.P. Wright 1877					
<i>Chlorochytrium immersum</i> Masee 1885					
<i>Mesophyllum reinhardtii</i> N.L. Gardner					
<i>Spongomorpha aeruginosa</i> (Linnaeus) Hoek 1963	X	X	X	X	X
<i>Acrosiphonia bombycina</i> Kjellman					
<i>Acrosiphonia lanosa</i> (Mertens ex Roth) J. Agardh 1846					
<i>Acrosiphonia pallida</i> Kjellman					
<i>Chlorochytrium inclusum</i> Kjellman 1883					
<i>Cladophora bombycina</i> (Kjellman) Batters					
<i>Cladophora lanosa</i> var. <i>uncialis</i> (O.F. Müller) Thuret 1863					
<i>Cladophora pallida</i> (Kjellman) Batters					

Taxon	1	2	3	4	5
<i>Cladophora uncialis</i> (O.F. Müller) Kützing					
<i>Conferva aeruginosa</i> Linnaeus 1753					
<i>Conferva congregata</i> C. Agardh 1824					
<i>Conferva uncialis</i> O.F. Müller 1778					
<i>Spongomorpha congregata</i> (C. Agardh) Kützing 1843					
<i>Spongomorpha lanosa</i> (Roth) Kützing					
<i>Spongomorpha lanosa</i> var. <i>uncialis</i> (O.F. Müller) Kjellman					
<i>Spongomorpha pallida</i> (Kjellman) Wille					
<i>Spongomorpha uncialis</i> (O.F. Müller) Kützing 1843					
<i>Spongomorpha tomentosa</i>	X				
<i>Ulothrix carmichaelii</i> (Harvey) P.L. Crouan & H.M. Crouan	X				
<i>Ulothrix collabens</i> (C. Agardh) Thuret	X				
<i>Ulothrix flacca</i> (Dillwyn) Thuret in Le Jolis 1863	X	X	X	X	X
<i>Conferva flacca</i> Dillwyn 1805					
<i>Hormotrichum fasciculare</i> Kützing					
<i>Lyngbya carmichaelii</i> Harvey 1833					
<i>Lyngbya flacca</i> (Dillwyn) Harvey 1849					
<i>Ulothrix consociata</i> Wille 1901					
<i>Ulothrix consociata</i> var. <i>islandica</i> Jónsson 1903					
<i>Ulothrix islandica</i> (H. Jónsson) Printz 1926					
<i>Ulothrix pseudoflacca</i> Wille 1901					
<i>Ulothrix scutata</i> Jónsson 1904					
<i>Ulothrix implexa</i> (Kützing) Kützing 1849	X	X	X	X	X
<i>Hormidium implexum</i> Kützing 1847					
<i>Hormiscia implexa</i> (Kützing) De Toni					
<i>Ulothrix acrorhiza</i> Kornmann 1964					
<i>Ulothrix speciosa</i> (Carmichael) Kützing 1849	X			X	X
<i>Conferva speciosa</i> Carmichael ex Areschoug 1850					
<i>Hormotrichum speciosum</i> (Carmichael) P.L. Crouan & H.M. Crouan 1852					
<i>Lyngbya speciosa</i> Carmichael 1833					
<i>Ulothrix zonata</i> var. <i>speciosa</i> (Carmichael) Stockmayer					
<i>Urospora speciosa</i> (Carmichael) Leblond ex G. Hamel 1931					
<i>Ulothrix subflaccida</i> Wille 1901	X		X	X	
<i>Ulothrix tenerrima</i> (Kützing) Kützing 1843					
<i>Conferva tenerrima</i> Kützing 1833					
<i>Hormiscia subtilis</i> var. <i>variabilis</i> (Kützing) Kirchner					
<i>Microspora tenerrima</i> (Kützing) Gay 1886					
<i>Ulothrix subtilis</i> var. <i>tenerrima</i> (Kützing) Kirchner					
<i>Ulothrix tenerrima</i> (Kützing) Kützing 1843					
<i>Ulothrix variabilis</i> Kützing 1849					
<i>Ulothrix zonata</i> (Weber & Mohr) Kützing 1843	X		X		
<i>Conferva zonata</i> Weber & Mohr 1804					
<i>Hormiscia zonata</i> (Weber & Mohr) Areschoug					
<i>Ingenhouzella zonata</i> (F. Weber & Mohr) Gaillon					
<i>Lyngbya zonata</i> (Weber & Mohr) Hassall 1845					
<i>Lyngbya zonata</i> (Weber & Mohr) Hassall ex Gomont 1892					
<i>Oscillatoria torta</i> C. Agardh 1813					
<i>Urospora bangioides</i> (Harvey) Holmes & Batters 1891	X				
<i>Urospora neglecta</i> (Kornmann) Lokhorst & Trask 1981	X				
<i>Codiolum gregarium</i> A. Braun 1855					
<i>Hormiscia neglecta</i> Kornmann 1966					
<i>Urospora penicilliformis</i> (Roth) J. E. Areschoug 1866	X	X	X	X	X
<i>Codiolum penicilliforme</i> (Roth) P.C. Silva					
<i>Conferva isogona</i> J.E. Smith					
<i>Conferva penicilliformis</i> Roth 1806					
<i>Conferva youngana</i> Dillwyn 1809					
<i>Hormiscia penicilliformis</i> (Roth) Areschoug 1866					
<i>Urospora isogona</i> (J.E. Smith) Batters					
<i>Urospora mirabilis</i> Areschoug 1866					

Taxon	1	2	3	4	5
<i>Urospora wormskioldii</i> (Mertens ex Hornemann) Rosenvinge 1893	X			X	
<i>Codiolum cylindricum</i> Foslie 1887					
<i>Codiolum nordenskjoldianum</i> Kjellman 1877					
<i>Conferva collabens</i> C. Agardh					
<i>Conferva wormskioldii</i> Mertens ex Hornemann 1816					
<i>Urospora collabens</i> (C. Agardh) Holmes & Batters 1890					
<i>Urospora vancouveriana</i> (Tilden) Setchell & N.L. Gardner 1919					
<i>Urospora wormskioldii</i> f. <i>vancouveriana</i> Tilden 1900					
Ulvales, <i>Bolbocoleonaceae</i>					
<i>Bolbocoleon piliferum</i> N. Pringsheim 1862				X	X
<i>Capsosiphonaceae</i>					
<i>Capsosiphon fulvescens</i> (C. Agardh) Setchell & N.L. Gardner 1920	X	X		X	X
<i>Bangia aureola</i> (C. Agardh) Endlicher 1843					
<i>Capsosiphon aureolus</i> (C. Agardh) Gobi 1879					
<i>Enteromorpha aureola</i> (C. Agardh) Kützing 1849					
<i>Enteromorpha fulvescens</i> (C. Agardh) Greville 1830					
<i>Prasiola aureola</i> (C. Agardh) Trevisan 1842					
<i>Prasiola fulvescens</i> (C. Agardh) Trevisan 1842					
<i>Solenia fulvescens</i> (C. Agardh) C. Agardh 1824					
<i>Ulva aureola</i> C. Agardh 1829					
<i>Ulva fulvescens</i> C. Agardh 1823					
<i>Gayraliaceae</i>					
<i>Gayralia oxysperma</i> (Kützing) K.L. Vinogradova ex Scagel et al. 1989				X	X
<i>Monostroma crepidinium</i> Farlow 1881					
<i>Monostroma crepidinum</i> Farlow 1881					
<i>Monostroma latissimum</i> Wittrock 1866					
<i>Monostroma orbiculatum</i> Thuret					
<i>Monostroma oxycocum</i> Thuret nom. illeg. 1854					
<i>Monostroma oxyspermum</i> (Kützing) Doty 1947					
<i>Monostroma oxyspermum</i> f. <i>orbiculatum</i> (Thuret)					
<i>Monostroma tubiforme</i> Iwamoto 1960					
<i>Ulva oxycocca</i> Kützing nom. illeg. 1845					
<i>Ulva oxysperma</i> Kützing 1843					
<i>Ulva oxysperma</i> f. <i>wittrockii</i> (Bornet) Bliding					
<i>Ulvaria oxysperma</i> (Kützing) Bliding 1969					
<i>Ulvaria oxysperma</i> f. <i>wittrockii</i> (Bornet) Bliding					
<i>Kornmanniaceae</i>					
<i>Blidingia chadefaudii</i> (Feldmann) Bliding 1963	X				
<i>Enteromorpha chadefaudii</i> Feldmann 1954					
<i>Feldmannodora chadefaudii</i> (Feldmann) Chadefaud 1957					
<i>Blidingia minima</i> (Nägeli ex Kützing) Kylin 1947	X	X	X	X	X
<i>Blidingia minima</i> var. <i>capillaris</i> nom. illeg.					
<i>Blidingia minima</i> var. <i>elongata</i> nom. illeg.					
<i>Blidingia minima</i> var. <i>ramosa</i> nom. illeg.					
<i>Blidingia nana</i> (Sommerfelt) Bliding 1963					
<i>Enteromorpha coarctata</i> Kjellman 1897					
<i>Enteromorpha compressa</i> var. <i>minima</i> (Nägeli ex Hauck) Hamel 1931					
<i>Enteromorpha micrococca</i> var. <i>tortuosa</i> J. Agardh					
<i>Enteromorpha minima</i> Nägeli ex Kützing 1849					
<i>Enteromorpha minima</i> f. <i>elongata</i> Schiffner					
<i>Enteromorpha minima</i> var. <i>capillaris</i> Schiffner					
<i>Enteromorpha minima</i> var. <i>elongata</i> Schiffner					
<i>Enteromorpha nana</i> (Sommerfelt) Bliding 1939					
<i>Enteromorpha nana</i> (Sommerfelt) Sjöstedt 1939					
<i>Enteromorpha nana</i> var. <i>minima</i> (Nägeli ex Hauck) Sjöstedt 1939					
<i>Ulva intestinalis</i> var. <i>nana</i> Sommerfelt 1826					
<i>Blidingia subsalsa</i> (Kjellman) Kornmann & Sahling ex Scagel et al. 1989	X		X		
<i>Blidingia marginata</i> subsp. <i>subsalsa</i> (Kjellman) Bliding					
<i>Blidingia minima</i> f. <i>subsalsa</i> (Kjellman) Vinogradova					
<i>Enteromorpha micrococca</i> f. <i>subsalsa</i> Kjellman					

Taxon	1	2	3	4	5
<i>Enteromorpha minima</i> var. <i>subsalsa</i> (Kjellman) M.S. Doty					
Kornmannia leptoderma (Kjellman) Bliding 1969	X				
<i>Kornmannia zostericola</i> (Tilden) Bliding 1969					
<i>Monostroma helgolandicum</i> Schmidt					
<i>Monostroma leptodermum</i> Kjellman 1877					
Pseudendoclonium dynamenae R. Nielsen 1985	X				
Pseudendoclonium fucicola (Rosenvinge) R. Nielsen 1980					X
<i>Pseudopringsheimia fucicola</i> (Rosenvinge) Wille 1909					
<i>Ulvella fucicola</i> Rosenvinge 1893					
<i>Ulvella fucicola</i> var. <i>globosa</i> Batters					
Pseudendoclonium marinum (Reinke) Aleem & E. Schulz 1952				X	X
<i>Protoderma marinum</i> Reinke 1889					
Pseudendoclonium submarinum Wille 1901				X	
Phaeophilaceae					
Phaeophila dendroides (P.L. Crouan & H.M. Crouan) Batters 1902				X	X
<i>Ochlochaete dendroides</i> P.L. Crouan & H.M. Crouan 1852					
<i>Ochlochaete phaeophila</i> Falkenberg 1879					
<i>Phaeophila divaricata</i> Huber 1893					
<i>Phaeophila engleri</i> Reinke 1889					
<i>Phaeophila floridearum</i> Hauck 1867					
Ulvaceae					
Blidingia marginata (J. Agardh) P.J.L. Dangeard 1958	X	X	X	X	X
<i>Blidingia marginata</i> var. <i>longior</i> (Kützing) ?					
<i>Enteromorpha complanata</i> var. <i>confervacea</i> Kützing 1845					
<i>Enteromorpha intestinalis</i> var. <i>micrococca</i> (Kützing) Rosenvinge					
<i>Enteromorpha marginata</i> J. Agardh 1842					
<i>Enteromorpha marginata</i> var. <i>longior</i> Kützing					
<i>Enteromorpha micrococca</i> Kützing 1856					
<i>Enteromorpha micrococca</i> f. <i>typica</i> Kjellman					
<i>Enteromorpha nana</i> var. <i>marginata</i> (J. Agardh) V.J. Chapman 1956					
Enteromorpha flexuosa subsp. <i>linziformis</i> (Bliding) Bliding 1963		X			
<i>Enteromorpha linziformis</i> Bliding 1960					
Enteromorpha intestinalis var. <i>crispa</i> (Roth) Greville				X	
<i>Conferva intestinalis</i> var. <i>crispa</i> Roth 1797					
Enteromorpha jugoslavica Bliding				X	
Ochlochaete hystrix Thwaites in Harvey 1849	X				
<i>Chaetobolus gibbus</i> Rosenvinge 1893					
<i>Ochlochaete lentiformis</i> Huber 1892					
Ochlochaete hystrix var. <i>ferox</i> (Huber) R. Nielsen 1978	X				X
<i>Ochlochaete ferox</i> Huber 1893					
Percursaria percursa (C. Agardh) Rosenvinge 1893	X	X	X	X	X
<i>Conferva percursa</i> C. Agardh 1817					
<i>Enteromorpha percursa</i> (C. Agardh) J. Agardh 1842					
<i>Zignoa percursa</i> (C. Agardh) Trevisan					
Phycoseris lanceolata var. <i>angusta</i> Kützing				X	
Ruthnielsenia tenuis (Kylin) C.J. O'Kelly B. Wynsor & W.K. Bellows 2004					X
<i>Entocladia tenuis</i> Kylin 1935					
<i>Phaeophila tenuis</i> (Kylin) R. Nielsen 1972					
Ulva clathrata (Roth) C. Agardh 1811		X	X	X	
<i>Conferva clathrata</i> Roth 1806					
<i>Conferva crinita</i> Roth nom. illeg. 1797					
<i>Enteromorpha clathrata</i> (Roth) Greville 1830					
<i>Enteromorpha clathrata</i> f. <i>gracilis</i> (Le Jolis) V.J. Chapman 1937					
<i>Enteromorpha clathrata</i> f. <i>linkiana</i> (Greville) V.J. Chapman 1937					
<i>Enteromorpha clathrata</i> var. <i>crinita</i> (Nees) Hauck 1884					
<i>Enteromorpha clathrata</i> var. <i>gracilis</i> (Le Jolis) Batters 1902					
<i>Enteromorpha clathrata</i> var. <i>linkiana</i> (Greville) Areschoug 1850					
<i>Enteromorpha clathrata</i> var. <i>mucosa</i> P.L. Crouan & H.M. Crouan 1852					
<i>Enteromorpha clathrata</i> var. <i>prostrata</i> (Le Jolis) Batters 1890					

Taxon	1	2	3	4	5
<i>Enteromorpha clathrata</i> var. <i>ramulosa</i> (J.E. Smith) Rabenhorst 1847					
<i>Enteromorpha clathrata</i> var. <i>uncinata</i>					
<i>Enteromorpha complanata</i> var. <i>crinita</i> (Nees) Kützing 1845					
<i>Enteromorpha crinita</i> Nees 1820					
<i>Enteromorpha gelatinosa</i> Kützing 1849					
<i>Enteromorpha linkiana</i> Greville					
<i>Enteromorpha muscoides</i> (Clemente y Rubio) Cremades in Cremades & Pérez-Cirera 1990					
<i>Enteromorpha paradoxa</i> var. <i>tenuissima</i> Kützing					
<i>Enteromorpha prolifera</i> var. <i>crinita</i> (Nees) V.J. Chapman 1956					
<i>Enteromorpha ramulosa</i> (J.E. Smith) Carmichael 1833					
<i>Enteromorpha ramulosa</i> var. <i>robusta</i> Hauck					
<i>Enteromorpha ramulosa</i> var. <i>spinosa</i> Kützing 1845					
<i>Enteromorpha ramulosa</i> var. <i>tenerrima</i> Schiffner					
<i>Enteromorpha spinescens</i> Kützing 1856					
<i>Enteromorpha welwitschii</i> J. Agardh 1883					
<i>Enteronia clathrata</i> (Roth) Chevallier 1836					
<i>Ulva clathrata</i> f. <i>gracilis</i> Le Jolis 1863					
<i>Ulva clathrata</i> f. <i>prostrata</i> Le Jolis 1863					
<i>Ulva linkiana</i> (Greville) Trevisan 1842					
<i>Ulva muscoides</i> Clemente y Rubio 1807					
<i>Ulva ramulosa</i> J.E. Smith 1810					
<i>Zignoia ramulosa</i> (J.E. Smith) Trevisan 1842					
<i>Ulva compressa</i> Linnaeus 1753	X	X	X	X	X
<i>Conferva compressa</i> (Linnaeus) Roth 1797					
<i>Enteromorpha chlorotica</i> J. Agardh 1883					
<i>Enteromorpha clathrata</i> var. <i>usneoides</i> (J. Agardh) V.J. Chapman					
<i>Enteromorpha complanata</i> Kützing 1845					
<i>Enteromorpha compressa</i> (Linnaeus) Nees 1820					
<i>Enteromorpha compressa</i> f. <i>complanata</i> (Kützing) J. Agardh 1883					
<i>Enteromorpha compressa</i> var. <i>complanata</i> (Kützing) Rabenhorst 1868					
<i>Enteromorpha compressa</i> var. <i>usneoides</i> (Bonnemaison ex J. Agardh) Bliding					
<i>Enteromorpha intestinalis</i> subsp. <i>compressa</i> (Kützing) Rabenhorst 1973					
<i>Enteromorpha intestinalis</i> subsp. <i>compressa</i> (Linnaeus) M.W.R.N. de Silva & E.M. Burrows					
<i>Enteromorpha intestinalis</i> var. <i>compressa</i> (Linnaeus) Rosenvinge 1893					
<i>Enteromorpha usneoides</i> Bonnemaison ex J. Agardh 1883					
<i>Enteromorpha vulgaris</i> var. <i>compressa</i> (Linnaeus) Edmondston 1845					
<i>Enteronia compressa</i> (Linnaeus) Chevallier 1836					
<i>Fistularia compressa</i> (Linnaeus) Greville 1824					
<i>Fistularia intestinalis</i> var. <i>compressa</i> (Linnaeus) J.P. Jones & Kingston 1829					
<i>Hydrosolen compressus</i> (Linnaeus) Martius 1833					
<i>Ilea compressa</i> (Linnaeus) Gaillon 1828					
<i>Scytosiphon compressus</i> (Linnaeus) Lyngbye 1819					
<i>Solenia compressa</i> (Linnaeus) C. Agardh 1824					
<i>Tubularia compressa</i> (Linnaeus) Roussel 1806					
<i>Ulva enteromorpha</i> var. <i>compressa</i> (Linnaeus) Le Jolis 1863					
<i>Ulva curvata</i> (Kützing) De Toni 1889		X			X
<i>Phycoseris curvata</i> Kützing 1845					
<i>Ulva kuckuckiana</i> Schmidt					
<i>Ulva flexuosa</i> Wulfen 1803	X	X	X	X	X
<i>Conferva flexuosa</i> Roth 1800					
<i>Enteromorpha flexuosa</i> (Wulfen) J. Agardh 1883					
<i>Enteromorpha intestinalis</i> f. <i>tubulosa</i> (Kützing) V.J. Chapman 1937					
<i>Enteromorpha intestinalis</i> var. <i>tubulosa</i> Kützing 1845					
<i>Enteromorpha lingulata</i> J. Agardh 1883					
<i>Enteromorpha prolifera</i> var. <i>tubulosa</i> (Kützing) Batters 1902					
<i>Enteromorpha tubulosa</i> (Kützing) Kützing 1856					
<i>Enteromorpha tubulosa</i> var. <i>ramosa</i> Schiffner					
<i>Ulva flexuosa</i> subsp. <i>paradoxa</i> (C. Agardh) M.J. Wynne 2005	X	X			
<i>Conferva paradoxa</i> Dillwyn 1809					
<i>Enteromorpha clathrata</i> var. <i>erecta</i> (Lyngbye) Greville 1830					
<i>Enteromorpha clathrata</i> var. <i>hopkirkii</i> (M'Calla ex Harvey) G. Hamel 1931					

Taxon	1	2	3	4	5
<i>Enteromorpha erecta</i> (Lyngbye) Carmichael 1833					
<i>Enteromorpha flexuosa</i> subsp. <i>paradoxa</i> (C. Agardh) Bliding 1963					
<i>Enteromorpha hopkirkii</i> M'Calla ex Harvey 1849					
<i>Enteromorpha paradoxa</i> (C. Agardh) Kützing 1845					
<i>Enteromorpha paradoxa</i> var. <i>typica</i> Batters					
<i>Scytosiphon erectus</i> Lyngbye 1819					
<i>Ulva paradoxa</i> C. Agardh 1817					
<i>Ulva intestinalis</i> Linnaeus 1753	X	X	X	X	X
<i>Conferva intestinalis</i> (Linnaeus) Roth 1797					
<i>Enteromorpha compressa</i> var. <i>intestinalis</i> (Linnaeus) Hamel 1931					
<i>Enteromorpha intestinalis</i> (Linnaeus) Nees 1820					
<i>Enteromorpha intestinalis</i> f. <i>maxima</i> J. Agardh 1883					
<i>Enteromorpha intestinalis</i> var. <i>maxima</i> (J. Agardh) Lily Newton 1931					
<i>Enteromorpha vulgaris</i> var. <i>lacustris</i> Edmondston 1845					
<i>Enteronia simplex</i> Chevallier 1836					
<i>Fistularia intestinalis</i> (Linnaeus) Greville 1824					
<i>Hydrosolen intestinalis</i> (Linnaeus) Martius 1833					
<i>Ilea intestinalis</i> (Linnaeus) Leiblein 1827					
<i>Scytosiphon intestinalis</i> (Linnaeus) Lyngbye 1819					
<i>Scytosiphon intestinalis</i> var. <i>nematodes</i> Wallroth 1833					
<i>Solenia intestinalis</i> (Linnaeus) C. Agardh 1824					
<i>Tetraspora intestinalis</i> (Linnaeus) Desvaux 1818					
<i>Ulva bulbosa</i> var. <i>intestinalis</i> (Linnaeus) Hariot 1889					
<i>Ulva enteromorpha</i> var. <i>intestinalis</i> (Linnaeus) Le Jolis 1863					
<i>Ulva kyllinii</i> (Bliding) Hayden, Blomster, Maggs, P.C. Silva, M.J. Stanhope &			X		
<i>Enteromorpha kyllinii</i> Bliding 1948					
<i>Ulva lactuca</i> Linnaeus 1753	X	X	X	X	X
<i>Ulva crassa</i> Kjellman 1877					
<i>Ulva fenestrata</i> Postels & Ruprecht 1840					
<i>Ulva lactucaefolia</i> S.F. Gray nom. illeg. 1821					
<i>Ulva stipitata</i> J.E. Areschoug 1850					
<i>Ulva linza</i> Linnaeus 1753	X	X	X	X	X
<i>Enteromorpha ahlneri</i> Bliding 1944					
<i>Enteromorpha bertolonii</i> Montagne nom. illeg. 1846					
<i>Enteromorpha bertolonii</i> var. <i>lanceolata</i> (Linnaeus) Grunow 1867					
<i>Enteromorpha bulbosa</i> var. <i>japonica</i> Yoshida et al. 1990					
<i>Enteromorpha clathrata</i> f. <i>denudata</i> (Ahlnier) Kylin 1907					
<i>Enteromorpha clathrata</i> f. <i>ramulifera</i> (Ahlnier) V.J. Chapman 1877					
<i>Enteromorpha clathrata</i> var. <i>procera</i> (Ahlnier) Hauck 1884					
<i>Enteromorpha crinita</i> f. <i>procera</i> (Ahlnier) Sjöstedt					
<i>Enteromorpha linza</i> (Linnaeus) J. Agardh 1883					
<i>Enteromorpha linza</i> f. <i>lanceolata</i>					
<i>Enteromorpha linza</i> var. <i>angusta</i>					
<i>Enteromorpha procera</i> K. Ahlnier 1877					
<i>Enteromorpha procera</i> f. <i>chlorotica</i> (J. Agardh) V. J. Chapman					
<i>Enteromorpha procera</i> f. <i>denudata</i> Ahlnier					
<i>Enteromorpha procera</i> f. <i>ramulifera</i> Ahlnier 1877					
<i>Enteromorpha procera</i> var. <i>minuta</i> V.J. Chapman 1940					
<i>Enteromorpha procera</i> var. <i>prolifera</i> V.J. Chapman					
<i>Enteronia linza</i> (Linnaeus) Chevallier 1836					
<i>Phycoseris crispata</i> (Bertoloni) Kützing 1843					
<i>Phycoseris linza</i> (Linnaeus) Kützing 1843					
<i>Scytosiphon intestinalis</i> var. <i>plynthodes</i> Wallroth 1833					
<i>Solenia linza</i> (Linnaeus) C. Agardh 1824					
<i>Ulva bertolonii</i> C. Agardh nom. illeg. 1823					
<i>Ulva crispata</i> Bertoloni 1810					
<i>Ulva intybacea</i> Lamarck 1779					
<i>Ulva lanceolata</i> Linnaeus 1767					
<i>Ulva linza</i> var. <i>angusta</i> Kützing					
<i>Ulva linza</i> var. <i>lanceolata</i> Kützing					
<i>Ulva procera</i> (K. Ahlnier) Hayden, Blomster, Maggs, P.C. Silva, M.J. Stanhope & J.R.					

Taxon	1	2	3	4	5
<i>Ulva lobata</i> (Kützinger) Harvey 1855	X				
<i>Phycoseris lobata</i> Kützinger 1847					
<i>Ulva fasciata</i> f. <i>lobata</i> Setchell 1901					
<i>Ulva percursa</i> (C. Agardh) C. Agardh			X		
<i>Ulva prolifera</i> O.F. Müller in Oeder 1778	X	X	X	X	X
<i>Enteromorpha compressa</i> var. <i>prolifera</i> (O.F. Müller) Greville 1830					
<i>Enteromorpha compressa</i> var. <i>trichodes</i> Kützinger 1845					
<i>Enteromorpha polyclados</i> (Kützinger) Kützinger 1856					
<i>Enteromorpha prolifera</i> (O.F. Müller) J. Agardh 1883					
<i>Enteromorpha salina</i> Kützinger 1845					
<i>Enteromorpha salina</i> var. <i>polyclados</i> Kützinger 1845					
<i>Ulva compressa</i> var. <i>prolifera</i> (O.F. Müller) C. Agardh 1823					
<i>Ulva pseudocurvata</i> Koeman & Hoek 1981	X				
<i>Ulva radiata</i> (J. Agardh) Hayden Blomster Maggs P.C. Silva M.J. Stanhope &		X	X		
<i>Enteromorpha prolifera</i> subsp. <i>radiata</i> (J. Agardh) Bliding 1963					
<i>Enteromorpha radiata</i> J. Agardh 1883					
<i>Ulva ralfsii</i> (Harvey) Le Jolis 1863		X			
<i>Enteromorpha clathrata</i> var. <i>ralfsii</i> (Harvey) V.J. Chapman 1956					
<i>Enteromorpha ralfsii</i> Harvey 1851					
<i>Kallonema ralfsii</i> (Harvey) Dickie 1871					
<i>Ulva rigida</i> C. Agardh 1823		X	X		
<i>Letterstedtia petiolata</i> J. Agardh 1883					
<i>Phycoseris gigantea</i> var. <i>perforata</i> Kützinger 1849					
<i>Phycoseris rigida</i> (C. Agardh) Kützinger 1843					
<i>Phycoseris ulva</i> Sonder 1845					
<i>Ulva armoricana</i> P. Dion, B. de Reviers & G. Coat 1998					
<i>Ulva australis</i> Areschoug 1854					
<i>Ulva lactuca</i> var. <i>rigida</i> (C. Agardh) Le Jolis 1863					
<i>Ulva petiolata</i> (J. Agardh) Womersley nom. illeg. 1956					
<i>Ulva scandinavica</i> Bliding 1969					
<i>Ulva spathulata</i> Papenfuss 1960					
<i>Ulva scandinavica</i> Bliding 1968		X	X		
<i>Ulva simplex</i> (K.L. Vinogradova) Hayden Blomster Maggs P.C. Silva M.J.		X	X	X	
<i>Enteromorpha prolifera</i> f. <i>simplex</i> K.L. Vinogradova 1974					
<i>Enteromorpha simplex</i> (K.L. Vinogradova) R.P.T. Koeman & Hoek 1982					
<i>Ulva tenera</i> Kornmann et Sahling	X	X			
<i>Ulva torta</i> (Mertens) Trevisan 1841	X	X	X		X
<i>Bangia torta</i> (Mertens) C. Agardh					
<i>Conferva torta</i> Mertens 1822					
<i>Enteromorpha torta</i> (Mertens) Reinbold 1893					
<i>Prasiola crispa</i> f. <i>torta</i> (Mertens) Brand					
<i>Schizogonium tortum</i> (Mertens) Kützinger 1843					
<i>Ulvaria fusca</i> (Postels & Ruprecht) Vinogradova 1967				X	X
<i>Monostroma fuscum</i> (Postels & Ruprecht) Wittrock 1866					
<i>Monostroma fuscum</i> var. <i>splendens</i> (Ruprecht) Rosenvinge 1893					
<i>Monostroma splendens</i> (Ruprecht) Wittrock 1866					
<i>Ulva fusca</i> Postels & Ruprecht nom. illeg. 1840					
<i>Ulvaria splendens</i> Ruprecht 1850					
Ulvellaceae					
<i>Acrochaete flustrae</i> (Reinke) O'Kelly 2006	X			X	X
<i>Endoderma flustrae</i> (Reinke) Batters 1902					
<i>Endoderma leptochaete</i> Huber 1893					
<i>Entocladia flustrae</i> (Reinke) W.R. Taylor 1937					
<i>Entocladia leptochaete</i> (Huber) Burrows 1991					
<i>Entoderma flustrae</i> (Reinke) Hariot 1912					
<i>Epicladia flustrae</i> Reinke 1889					
<i>Acrochaete repens</i> Pringsheim 1863	X	X		X	X
<i>Acrochaete parasitica</i> Oltmanns 1894					

Taxon	1	2	3	4	5
<i>Acrochaete wittrockii</i> (Wille) R. Nielsen 1983	X	X	X	X	X
<i>Chlorofilum ephemereum</i> P.A. Dangeard 1965					
<i>Ectochaete wittrockii</i> (Wille) Kylin 1938					
<i>Entocladia wittrockii</i> Wille 1880					
<i>Phaeophila wittrockii</i> (Wille) R. Nielsen 1972					
<i>Entocladia viridis</i> Reinke 1879					
<i>Acrochaete viridis</i> (Reinke) R. Nielsen 1979					
<i>Endoderma viride</i> (Reinke) De Toni 1889					
<i>Entoderma viridis</i> (Reinke) Wille in Engler & Prantl 1890					
<i>Epicladia perforans</i> (Huber) R. Nielsen 1980		X			X
<i>Endoderma perforans</i> Huber 1893					
<i>Entocladia perforans</i> (Huber) Levring 1937					
<i>Phaeophila perforans</i> (Thivy) R. Nielsen 1972					
<i>Epicladia phillipsii</i> (Batters) R. Nielsen 1985					X
<i>Endoderma flustrae</i> var. <i>phillipsii</i> Batters					
<i>Epicladia flustrae</i> var. <i>phillipsii</i> Batters 1897					
<i>Epicladia testarum</i> (Kylin) R. Nielsen 1980					X
<i>Entocladia testarum</i> Kylin					
<i>Pringsheimiella scutata</i> (Reinke) Marchewianka 1925				X	X
<i>Pringsheimia scutata</i> Reinke 1888					
<i>Pringsheimia udotea</i> Børgesen 1913					
<i>Pringsheimiella udotea</i> (Børgesen) Taylor 1960					
<i>Syncoryne reinkei</i> R. Nielsen & P.M. Pedersen 1977	X			X	
<i>Pseudopringsheimia reinkei</i> R. Nielsen & P.M. Pedersen					
<i>Ulvella fucicola</i> var. <i>globosa</i> Batters 1897					
<i>Ulvella lens</i> P.L. Crouan & H.M. Crouan 1859				X	X
<i>Phyllactidium lens</i> (P.L. Crouan & H.M. Crouan) P.L. Crouan & H.M. Crouan 1867					
<i>Ulvella applanata</i> (Setchell & Gardner) G.R. South & Tittley					
Ochrophyta, Phaeophyceae, Cutleriales, Cutleriaceae					
<i>Cutleria multifida</i> (Turner) Greville 1830	X				
<i>Aglaozonia parvula</i> (Greville) Zanardini 1843					
<i>Aglaozonia reptans</i> (P.L. Crouan & H.M. Crouan) Kützing 1849					
<i>Cutleria dichotoma</i> Kützing 1843					
<i>Cutleria laciniata</i> (J.V. Lamouroux) Meneghini 1842					
<i>Cutleria multifida</i> f. <i>angustifrons</i> Holmes & Batters 1890					
<i>Cutleria multifida</i> var. <i>angustifrons</i> Holmes & Batters 1890					
<i>Cutleria multifida</i> var. <i>confervoides</i> Kuckuck 1894					
<i>Cutleria multifida</i> var. <i>dichotoma</i> (Kützing) Frauenfeld 1854					
<i>Dictyota laciniata</i> Lamouroux 1809					
<i>Dictyota multifida</i> (J.E. Smith) Bory 1838					
<i>Dictyota penicillata</i> J.V. Lamouroux 1809					
<i>Fucus tuberculatus</i> Solander nom. illeg. 1777					
<i>Padina parvula</i> (Greville) Zanardini 1843					
<i>Padinella parvula</i> (Greville) Areschoug 1843					
<i>Ulva multifida</i> Turner 1801					
<i>Zonaria multifida</i> C. Agardh 1820					
<i>Zonaria parvula</i> Greville 1828					
<i>Zonaria reptans</i> (P.L. Crouan & H.M. Crouan) P.L. Crouan & H.M. Crouan 1852					
Desmarestiales, Arthrocladiaceae					
<i>Arthrocladia septentrionalis</i>	X				
<i>Arthrocladia villosa</i> (Hudson) Duby 1830	X				
<i>Chordaria villosa</i> (Hudson) C. Agardh 1817					
<i>Conferva villosa</i> Hudson 1778					
<i>Sporochnus villosus</i> (Hudson) C. Agardh 1824					
Desmarestiaceae					
<i>Desmarestia aculeata</i> (Linnaeus) J.V. Lamouroux 1813	X			X	X
<i>Desmarestia aculeata</i> var. <i>plumosa</i> (Suhr) Ørsted 1844					
<i>Desmia aculeata</i> (Linnaeus) Lyngbye 1819					
<i>Ectocarpus densus</i> Lyngbye 1819					

Taxon	1	2	3	4	5
<i>Fucus aculeatus</i> Linnaeus 1763					
<i>Fucus aculeatus</i> var. <i>muscooides</i> Turner 1802					
<i>Fucus muscooides</i> Hudson 1762					
<i>Fucus virgatus</i> Gunnerus 1766					
<i>Sphaerococcus aculeatus</i> (Linnaeus) Stackhouse 1797					
<i>Sporochnus aculeatus</i> (Linnaeus) C. Agardh 1817					
<i>Sporochnus aculeatus</i> var. <i>complanatus</i> C. Agardh 1820					
<i>Sporochnus aculeatus</i> var. <i>plumosus</i> Suhr 1834					
<i>Desmarestia ligulata</i> (Stackhouse) J.V. Lamouroux 1813			X		
<i>Desmarestia adriatica</i> Ercegovic 1948					
<i>Desmarestia herbacea</i>					
<i>Desmarestia jordanii</i> N.L. Gardner 1940					
<i>Desmarestia ligulata</i> var. <i>angustior</i> (Turner) Batters 1902					
<i>Desmarestia ligulata</i> var. <i>dilatata</i> (Turner) Batters 1902					
<i>Desmarestia linearis</i> N.L. Gardner 1944					
<i>Desmarestia mexicana</i> E.Y. Dawson 1944					
<i>Desmarestia munda</i>					
<i>Desmia ligulata</i> (Lightfoot) Lyngbye 1819					
<i>Fucus herbaceus</i> Hudson 1778					
<i>Fucus ligulatus</i> Lightfoot 1777					
<i>Fucus ligulatus</i> var. <i>angustior</i> Turner 1809					
<i>Fucus ligulatus</i> var. <i>dilitatus</i> Turner 1809					
<i>Herbacea ligulata</i> Stackhouse 1809					
<i>Laminaria ligulata</i> (Lightfoot) C. Agardh 1817					
<i>Sporochnus ligulatus</i> (Lightfoot) C. Agardh 1820					
<i>Desmarestia viridis</i> (O.F. Müller) J.V. Lamouroux 1813	X			X	X
<i>Chordaria viridis</i> (O.F. Müller) C. Agardh 1817					
<i>Desmarestia filamentosa</i> E.Y. Dawson 1944					
<i>Desmarestia pacifica</i> Setchell & N.L. Gardner 1924					
<i>Dichloria viridis</i> (O.F. Müller) Greville 1830					
<i>Fucus viridis</i> O.F. Müller 1782					
<i>Gigartina viridis</i> (O.F. Müller) Lyngbye 1819					
<i>Iridea fluitans</i> Stackhouse 1816					
<i>Sporochnus viridis</i> (O.F. Müller) Greville 1830					
Dictyotales, Dictyotaceae					
<i>Dictyota dichotoma</i> (Hudson) J.V. Lamouroux 1809	X	X			
<i>Dichophyllum dichotomum</i> (Hudson) Kützing 1843					
<i>Dictyota acuta</i> Kützing 1845					
<i>Dictyota acuta</i> var. <i>patens</i> Kützing 1849					
<i>Dictyota aequalis</i> var. <i>minor</i> Kützing 1859					
<i>Dictyota apiculata</i> J. Agardh 1894					
<i>Dictyota areolata</i> Schousboe nom. inval. 1892					
<i>Dictyota attenuata</i> Kützing 1859					
<i>Dictyota complanata</i> Schousboe nom. inval. 1892					
<i>Dictyota dichotoma</i> f. <i>attenuata</i> (Kützing) Vinassa 1892					
<i>Dictyota dichotoma</i> f. <i>elongata</i> (Kützing) Schiffner nom. illeg. 1933					
<i>Dictyota dichotoma</i> f. <i>latifolia</i> (Kützing) Vinassa 1892					
<i>Dictyota dichotoma</i> f. <i>latifrons</i> Holmes & Batters 1890					
<i>Dictyota dichotoma</i> f. <i>spiralis</i> Nizamuddin nom. inval. 1981					
<i>Dictyota dichotoma</i> var. <i>acuta</i> Chauvin ex Duby 1830					
<i>Dictyota dichotoma</i> var. <i>elongata</i> (Kützing) Grunow nom. illeg. 1874					
<i>Dictyota dichotoma</i> var. <i>latifrons</i> Holmes & Batters					
<i>Dictyota dichotoma</i> var. <i>minor</i> Kützing nom. inval. 1981					
<i>Dictyota dichotoma</i> var. <i>rigida</i> P. Crouan & H. Crouan 1852					
<i>Dictyota dichotoma</i> var. <i>stenoloba</i> nom. inval. 1859					
<i>Dictyota dichotoma</i> var. <i>volubilis</i> nom. inval. 1843					
<i>Dictyota elongata</i> Kützing 1859					
<i>Dictyota latifolia</i> Kützing nom. illeg. 1859					
<i>Dictyota rotundata</i> Lamouroux 1809					
<i>Dictyota setosa</i> Duby 1830					
<i>Dictyota vivesii</i> M.A. Howe 1911					

Taxon	1	2	3	4	5
<i>Dictyota volubilis</i> Kützing 1849					
<i>Fucus dichotomus</i> (Hudson) Bertolini nom. illeg. 1819					
<i>Fucus zosteroides</i> Lamouroux nom. illeg. 1805					
<i>Haliseris dichotoma</i> (Hudson) Sprengel 1827					
<i>Neurocarpus annularis</i> Schousboe nom. inval. 1892					
<i>Neurocarpus areolatus</i> Schousboe nom. inval. 1892					
<i>Ulva dichotoma</i> Hudson 1762					
<i>Zonaria dichotoma</i> (Hudson) C. Agardh 1817					
<i>Zonaria rotundata</i> (Lamouroux) C. Agardh 1817					
Etocarpales, Acinetosporaceae					
<i>Acinetospora crinita</i> (Carmichael) Kornmann 1953	X	X	X		
<i>Acinetospora pusilla</i> (Griffiths ex Harvey) De Toni 1895					
<i>Acinetospora pusilla</i> var. <i>crinita</i> (Carmichael) Batters					
<i>Acinetospora vidovichii</i> (Meneghini) Sauvageau 1898					
<i>Ectocarpus crinitus</i> Carmichael 1833					
<i>Ectocarpus pusillus</i> Harvey 1841					
<i>Ectocarpus vidovichii</i> Meneghini 1843					
<i>Haplospora vidovichii</i> (Meneghini) Bornet					
<i>Hinckesia fuscata</i> (Zanardini) P.C. Silva in P.C. Silva Menez & R.L. Moe 1987	X				
<i>Ectocarpus fuscatus</i> Zanardini in Meneghini 1846					
<i>Giffordia fuscata</i> (Zanardini) Kuckuck					
<i>Hinckesia granulosa</i> (J.E. Smith) P.C. Silva in P.C. Silva Menez & R.L. Moe	X	X	X		
<i>Conferva granulosa</i> J.E. Smith 1811					
<i>Ectocarpus granulatus</i> (J.E. Smith) C. Agardh 1828					
<i>Ectocarpus oviger</i> Harvey 1862					
<i>Ectocarpus recurvatus</i> Kuckuck nom. nud. 1961					
<i>Giffordia granulosa</i> (J.E. Smith) G. Hamel 1939					
<i>Giffordia oviger</i> (Harvey) Hollenberg & Abbott 1966					
<i>Giffordia recurvata</i> Kuckuck ex Cardinal nom. illeg. 1964					
<i>Hinckesia recurvata</i> (Cardinal) Athanasiadis 1996					
<i>Hinckesia hincksiae</i> (Harvey) P.C. Silva in P.C. Silva Menez & R.L. Moe 1987	X				
<i>Ectocarpus hincksiae</i> Harvey 1841					
<i>Ectocarpus hincksiae</i> var. <i>irregularis</i> Børgesen 1902					
<i>Giffordia hincksiae</i> (Harvey) G. Hamel 1939					
<i>Hinckesia ramulosa</i> J.E. Gray nom. illeg. 1864					
<i>Hinckesia ovata</i> (Kjellman) P.C. Silva in P.C. Silva Menez & R.L. Moe 1987	X	X		X	X
<i>Ectocarpus holmi</i> Rosenvinge 1893					
<i>Ectocarpus ovatus</i> Kjellman 1877					
<i>Ectocarpus ovatus</i> var. <i>arachnoideus</i> Reinke 1889					
<i>Ectocarpus ovatus</i> var. <i>elongatus</i> Rosenvinge 1893					
<i>Ectocarpus ovatus</i> var. <i>holmi</i> (Rosenvinge) Rosenvinge 1898					
<i>Ectocarpus ovatus</i> var. <i>intermedius</i> Rosenvinge 1941					
<i>Ectocarpus ovatus</i> var. <i>tenuis</i> Rosenvinge 1898					
<i>Giffordia intermedia</i> (Rosenvinge) S. Lund 1959					
<i>Giffordia ovata</i> (Kjellman) Kylin 1947					
<i>Giffordia ovata</i> var. <i>arachnoidea</i> (Reinke) Kylin 1947					
<i>Hinckesia intermedia</i> (Rosenvinge) P.C. Silva 1987					
<i>Hinckesia sandriana</i> (Zanardini) P.C. Silva in P.C. Silva Menez & R.L. Moe	X	X		X	
<i>Ectocarpus elegans</i> Thuret 1863					
<i>Ectocarpus granuloides</i> Setchell & N.L. Gardner 1922					
<i>Ectocarpus parksii</i> Setchell & N.L. Gardner 1924					
<i>Ectocarpus sandrianus</i> Zanardini 1843					
<i>Giffordia elegans</i> (Thuret) Knoepfner-Peguy 1974					
<i>Giffordia granuloides</i> (Setchell & N.L. Gardner) Hollenberg & I.A. Abbott 1966					
<i>Giffordia sandriana</i> (Zanardini) G. Hamel 1939					
<i>Pogotrichum filiforme</i> Reinke 1892	X				
<i>Fosliea filiformis</i> (Reinke) Hagen 1981					
<i>Litosiphon filiformis</i> (Reinke) Batters 1902					
<i>Litosiphon filiformis</i> var. <i>gracilis</i> (Reinke) Batters 1902					
<i>Pogotrichum filiforme</i> f. <i>gracilis</i> Batters 1892					

Taxon	1	2	3	4	5
<i>Pogotrichum filiforme</i> var. <i>penicilliforme</i> Rosenvinge 1893					
<i>Pylaiella littoralis</i> (Linnaeus) Kjellman 1872	X	X	X	X	X
<i>Ceramium compactum</i> Roth 1806					
<i>Ceramium ferrugineum</i> (Roth) C. Agardh 1811					
<i>Ceramium ferrugineum</i> var. <i>compactum</i> C. Agardh 1817					
<i>Ceramium littorale</i> (Linnaeus) Dillwyn 1809					
<i>Ceramium tomentosum</i> var. <i>ferrugineum</i> Roth					
<i>Conferva compacta</i> (Roth) Weber & Mohr					
<i>Conferva ferruginea</i> Lyngbye 1819					
<i>Conferva littoralis</i> Linnaeus 1753					
<i>Ectocarpus brachiatus</i> (C. Agardh) C. Agardh 1824					
<i>Ectocarpus compactus</i> (Roth) C. Agardh 1828					
<i>Ectocarpus compactus</i> var. <i>densissimus</i> C. Agardh 1828					
<i>Ectocarpus ferrugineus</i> C. Agardh 1824					
<i>Ectocarpus ferrugineus</i> var. <i>compactus</i> (C. Agardh) C. Agardh 1824					
<i>Ectocarpus firmus</i> (C. Agardh) J. Agardh 1848					
<i>Ectocarpus firmus</i> f. <i>vernalis</i> Areschoug 1862					
<i>Ectocarpus firmus</i> var. <i>rupicola</i> Areschoug 1862					
<i>Ectocarpus littoralis</i> (Linnaeus) Lyngbye 1819					
<i>Ectocarpus littoralis</i> f. <i>pumilus</i> Areschoug 1862					
<i>Ectocarpus littoralis</i> subsp. <i>[divaricatus]</i> f. <i>ramellosus</i> Kuckuck 1891					
<i>Ectocarpus littoralis</i> subsp. <i>[firmus]</i> f. <i>lividus</i> Kuckuck 1891					
<i>Ectocarpus littoralis</i> subsp. <i>[firmus]</i> f. <i>pachycarpus</i> Kuckuck 1891					
<i>Ectocarpus littoralis</i> subsp. <i>[firmus]</i> f. <i>subglomeratus</i> Kuckuck 1891					
<i>Ectocarpus littoralis</i> subsp. <i>[oppositus]</i> f. <i>rectangulans</i> Kuckuck 1891					
<i>Ectocarpus littoralis</i> subsp. <i>[oppositus]</i> f. <i>subverticillatus</i> (Kützing) Kuckuck 1891					
<i>Ectocarpus littoralis</i> subsp. <i>divaricatus</i> (Kjellman) Kuckuck 1891					
<i>Ectocarpus littoralis</i> subsp. <i>firmus</i> (C. Agardh) Kuckuck 1891					
<i>Ectocarpus littoralis</i> subsp. <i>oppositus</i> (Kjellman) Kuckuck 1891					
<i>Ectocarpus littoralis</i> var. <i>brachiatus</i> (C. Agardh) Areschoug 1850					
<i>Ectocarpus littoralis</i> var. <i>brachycarpus</i> C. Agardh 1828					
<i>Ectocarpus littoralis</i> var. <i>compactus</i> (C. Agardh) Areschoug 1850					
<i>Ectocarpus littoralis</i> var. <i>divaricatus</i> (Kjellman) Rosenvinge 1893					
<i>Ectocarpus littoralis</i> var. <i>firmus</i> (C. Agardh) Rosenvinge 1893					
<i>Ectocarpus littoralis</i> var. <i>oppositus</i> (Kjellman) Rosenvinge 1893					
<i>Ectocarpus littoralis</i> var. <i>protensus</i> Lyngbye 1819					
<i>Ectocarpus littoralis</i> var. <i>ruber</i> Lyngbye 1819					
<i>Ectocarpus siliculosus</i> var. <i>firmus</i> C. Agardh 1828					
<i>Ectocarpus siliculosus</i> var. <i>protensus</i> (Lyngbye) C. Agardh 1824					
<i>Ectocarpus subverticillatus</i> Kützing 1845					
<i>Lyngbya littoralis</i> (Linnaeus) Dillwyn ex Gaillon 1828					
<i>Pilayella littoralis</i>					
<i>Pylaiella kylini</i> Du Rietz 1941					
<i>Pylaiella littoralis</i> f. <i>aegagropila</i> Kjellman 1890					
<i>Pylaiella littoralis</i> f. <i>crassiuscula</i> Kjellman 1890					
<i>Pylaiella littoralis</i> f. <i>elongata</i> Kjellman 1890					
<i>Pylaiella littoralis</i> f. <i>nebulosa</i> Kjellman 1890					
<i>Pylaiella littoralis</i> f. <i>olivacea</i> Kjellman 1890					
<i>Pylaiella littoralis</i> f. <i>parvula</i> Kjellman 1890					
<i>Pylaiella littoralis</i> f. <i>praetorta</i> Kjellman 1890					
<i>Pylaiella littoralis</i> f. <i>rupicola</i> (Areschoug) Kjellman 1890					
<i>Pylaiella littoralis</i> f. <i>subsalsa</i> Kjellman 1890					
<i>Pylaiella littoralis</i> var. <i>brachiata</i> Batters					
<i>Pylaiella littoralis</i> var. <i>divaricata</i> Kjellman 1890					
<i>Pylaiella littoralis</i> var. <i>firma</i> (C. Agardh) Kjellman 1890					
<i>Pylaiella littoralis</i> var. <i>longifructus</i> Batters					
<i>Pylaiella littoralis</i> var. <i>opposita</i> Kjellman 1890					
<i>Pylaiella littoralis</i> var. <i>ramellosa</i> Kuckuck					
<i>Pylaiella rupicola</i> (Areschoug) Kylin 1937					

Taxon	1	2	3	4	5
<i>Pylaiella varia</i> Kjellman 1883	X				
<i>Ectocarpus littoralis</i> subsp. <i>varius</i> (Kjellman) Kuckuck 1891					
<i>Ectocarpus littoralis</i> subsp. <i>varius</i> f. <i>varius</i> Kuckuck 1891					
<i>Ectocarpus littoralis</i> var. <i>varius</i> (Kjellman) Rosenvinge 1893					
<i>Pylaiella littoralis</i> var. <i>varia</i> (Kjellman) Kuckuck					
<i>Pylaiella macrocarpa</i> Foslie 1887					
<i>Pylaiella varia</i> f. <i>rhizodes</i> A.D. Zinova 1950					
Chordariaceae					
<i>Actinema scutellum</i> Reinsch 1875	X				
<i>Asperococcus bullosus</i> J.V. Lamouroux 1813	X				
<i>Asperococcus bulbosus</i> J.V. Lamouroux 1822					
<i>Asperococcus turneri</i> (Dillwyn ex J.E. Smith) W.J. Hooker 1833					
<i>Asperococcus turneri</i> var. <i>profundus</i> Feldmann					
<i>Encoelium bullosum</i> (J.V. Lamouroux) C. Agardh 1820					
<i>Encoelium macgregori</i> Suhr ex Kützing 1859					
<i>Gastridium opuntium</i> Lyngbye 1819					
<i>Physidium bullosum</i> (J.V. Lamouroux) Chiaje					
<i>Ulva turneri</i> Dillwyn ex J.E. Smith 1814					
<i>Asperococcus ensiformis</i> (Delle Chiaje) M.J. Wynne 2003	X				
<i>Asperococcus compressus</i> A.W. Griffiths ex W.J. Hooker 1833					
<i>Haloglossum compressum</i> (A.W. Griffiths ex W.J. Hooker) G. Hamel 1937					
<i>Haloglossum griffithsianum</i> Kützing 1843					
<i>Laminaria ensiformis</i> Delle Chiaje 1829					
<i>Asperococcus fistulosus</i> (Hudson) W.J. Hooker 1833				X	X
<i>Ascocyclus reptans</i> (P.L. Crouan & H.M. Crouan) Reinke 1889					
<i>Asperococcus echinatus</i> (Mertens ex Roth) C. Agardh 1817					
<i>Asperococcus echinatus</i> (Mertens ex Roth) Greville 1830					
<i>Asperococcus echinatus</i> f. <i>villosa</i> Kylin 1907					
<i>Asperococcus fistulosus</i> f. <i>villosus</i> Kylin 1907					
<i>Asperococcus rugosus</i> J.V. Lamouroux 1813					
<i>Chilionema reptans</i> (P.L. Crouan & H.M. Crouan) Sauvageau 1897					
<i>Chordaria filum</i> var. <i>fistulosa</i> (Hudson) C. Agardh 1817					
<i>Conferva echinata</i> Mertens ex Roth 1806					
<i>Ectocarpus repens</i> Reinke 1889					
<i>Ectocarpus reptans</i> P.L. Crouan & H.M. Crouan 1867					
<i>Encoelium echinatum</i> (Mertens ex Roth) C. Agardh 1820					
<i>Hecatonema fucicola</i> Kylin 1907					
<i>Hecatonema kjellmani</i> Nordstedt 1912					
<i>Hecatonema reptans</i> Kylin 1907					
<i>Phycocelis crouaniorum</i> Athanasiadis 1996					
<i>Phycocelis reptans</i> (P.L. Crouan & H.M. Crouan) Kjellman 1890					
<i>Scytosiphon filum</i> var. <i>fistulosus</i> (Hudson) C. Agardh 1820					
<i>Scytosiphon fistulosus</i> (Hudson) C. Agardh 1811					
<i>Scytosiphon lomentaria</i> f. <i>fistulosus</i> (Hudson) Foslie 1890					
<i>Ulva fistulosa</i> Hudson 1778					
<i>Botrytella micromora</i> Bory de Saint-Vincent 1822	X	X		X	X
<i>Botrytella uvaeformis</i> (Lyngbye) Kornmann & Sahling 1988					
<i>Ectocarpus siliculosus</i> var. <i>uvaeformis</i> Lyngbye 1819					
<i>Sorocarpus micromorus</i> (Bory de Saint-Vincent) P.C. Silva 1950					
<i>Sorocarpus uvaeformis</i> (Lyngbye) Pringsheim 1862					
<i>Botrytella reinboldii</i> (Reinke) Kornmann & Sahling 1988	X				
<i>Ectocarpus intricatus</i>					
<i>Ectocarpus iwadatensis</i>					
<i>Ectocarpus reinboldii</i> Reinke 1892					
<i>Polytretus reinboldii</i> (Reinke) Sauvageau 1900					
<i>Sorocarpus reinboldii</i> (Reinke) Kornmann & Sahling 1984					
<i>Chilionema ocellatum</i> (Kützing) Kornmann in Kuckuck 1953				X	X
<i>Ascocyclus ocellatus</i> (Kützing) Reinke 1889					
<i>Chilionema nathaliae</i> Sauvageau 1897					
<i>Myrionema ocellatum</i> (Kützing) Kützing 1849					
<i>Phycocelis ocellatus</i> (Kützing) Athanasiadis 1996					

Taxon	1	2	3	4	5
<i>Phyllactidium ocellatum</i> Kützing 1843					
Chordaria flagelliformis (O.F. Müller) C. Agardh 1817	X	X	X	X	X
<i>Chordaria flagelliformis</i> var. <i>firma</i> Kjellman 1890					
<i>Chordaria flagelliformis</i> var. <i>minor</i> C. Agardh 1817					
<i>Conferva elongata</i> Gunnerus 1772					
<i>Conferva flagelliformis</i> Gunnerus 1772					
<i>Dichosporangium chordariae</i> Wollny 1886					
<i>Fucus corneus</i> Zoega 1772					
<i>Fucus flagelliformis</i> O.F. Müller 1775					
<i>Fucus flagelliformis</i> var. <i>minor</i> Wahlenberg 1826					
<i>Streblonema chordariae</i> (Wollny) De Toni 1895					
Cladosiphon zosteræ (J. Agardh) Kylin 1940					X
<i>Castagnea zosteræ</i> (J. Agardh) Thuret					
<i>Eudesme zosteræ</i> (J. Agardh) Kylin 1907					
<i>Myriocladia zosteræ</i> J. Agardh 1841					
Corynophlaea crispa (Harvey) Kuckuck 1929	X				
<i>Leathesia concinna</i> Kuckuck 1897					
<i>Leathesia crispa</i> Harvey 1857					
Delamarea attenuata (Kjellman) Rosenvinge 1893	X				
<i>Delamarea paradoxa</i> Hariot 1889					
<i>Physematoplea attenuata</i> (Kjellman) Kjellman 1890					
<i>Scytosiphon attenuatus</i> Kjellman 1883					
Dictyosiphon chordaria Areschoug 1847				X	X
<i>Cladosiphon balticus</i> Gobi 1874					
<i>Coilonema chordarium</i> (Areschoug) Kjellman 1883					
<i>Coilonema chordarium</i> f. <i>bahusiense</i> (Areschoug) Kjellman 1880					
<i>Coilonema chordarium</i> f. <i>simpliciusculum</i> (Areschoug) Strömfelt 1884					
<i>Coilonema mesogloia</i> (Areschoug) Kjellman 1880					
<i>Dictyosiphon balticus</i> (Gobi) Du Rietz 1930					
<i>Dictyosiphon chordarius</i> f. <i>balticus</i> (Gobi) Häyren 1940					
<i>Dictyosiphon chordarius</i> f. <i>simpliciusculus</i> (Areschoug) Kjellman 1877					
<i>Dictyosiphon chordarius</i> var. <i>bahusiensis</i> Areschoug 1873					
<i>Dictyosiphon chordarius</i> var. <i>simpliciusculus</i> Areschoug 1873					
<i>Dictyosiphon finmarkicus</i> Foslie 1881					
<i>Dictyosiphon mesogloia</i> Areschoug 1862					
<i>Gobia baltica</i> (Gobi) Reinke 1889					
<i>Scytosiphon chordarius</i> (Areschoug) Fries 1845					
Dictyosiphon foeniculaceus (Hudson) Greville 1830	X	X		X	X
<i>Chordaria flagelliformis</i> var. <i>hippuroides</i> (Lyngbye) J. Agardh 1848					
<i>Chordaria flagelliformis</i> var. <i>intricata</i> C. Agardh 1817					
<i>Conferva foeniculacea</i> Hudson 1762					
<i>Dictyosiphon corymbosus</i> Kjellman 1883					
<i>Dictyosiphon corymbosus</i> f. <i>abbreviatus</i> Kjellman 1883					
<i>Dictyosiphon foeniculaceus</i> f. <i>flaccidus</i> (Areschoug) Kjellman 1880					
<i>Dictyosiphon foeniculaceus</i> f. <i>hippuroides</i> (Lyngbye) Levring 1940					
<i>Dictyosiphon foeniculaceus</i> f. <i>typicus</i> Kjellman nom. illeg. 1883					
<i>Dictyosiphon foeniculaceus</i> subsp. <i>flaccidus</i> Areschoug 1873					
<i>Dictyosiphon foeniculaceus</i> subsp. <i>hispidus</i> Kjellman 1877					
<i>Dictyosiphon foeniculaceus</i> var. <i>flaccidus</i> (Areschoug) Areschoug 1875					
<i>Dictyosiphon foeniculaceus</i> var. <i>hispidus</i> (Kjellman) F.S. Collins					
<i>Dictyosiphon hippuroides</i> (Lyngbye) Kützing 1856					
<i>Dictyosiphon hippuroides</i> f. <i>typicus</i> Kjellman nom. illeg.					
<i>Dictyosiphon hippuroides</i> var. <i>fragilis</i> Kjellman					
<i>Dictyosiphon hispidus</i> (Kjellman) Kjellman 1883					
<i>Gigartina plicata</i> var. <i>hippuroides</i> (Lyngbye) Ørsted 1844					
<i>Halymenia foeniculacea</i> (Hudson) C. Agardh 1817					
<i>Ilea foeniculacea</i> (Hudson) Fries 1835					
<i>Scytosiphon foeniculaceus</i> (Hudson) C. Agardh 1811					
<i>Scytosiphon foeniculaceus</i> var. <i>intricatus</i> (C. Agardh) Lyngbye 1819					
<i>Scytosiphon foeniculaceus</i> var. <i>membranaceus</i> Lyngbye 1819					
<i>Scytosiphon hippuroides</i> Lyngbye 1819					

Taxon	1	2	3	4	5
<i>Scytosiphon ramellosus</i> J. Agardh 1836					
<i>Scytosiphon tomentosus</i> Hornemann 1818					
<i>Sphaerococcus hippuroides</i> (Lyngbye) C. Agardh 1824					
<i>Sphaerococcus plicatus</i> var. <i>hippuroides</i> (Lyngbye) C. Agardh 1822					
<i>Ulva foeniculacea</i> (Hudson) C. Agardh 1816					
<i>Elachista fucicola</i> (Velley) Areschoug 1842	X	X	X	X	X
<i>Conferva flaccida</i> Hornemann nom. illeg. 1827					
<i>Conferva fucicola</i> Velley 1795					
<i>Conferva fucorum</i> Roth 1797					
<i>Elachista fucicola</i> f. <i>grevillei</i> Hamel					
<i>Elachista fucicola</i> f. <i>lubrica</i> (Ruprecht) Printz 1926					
<i>Elachista fucicola</i> var. <i>lubrica</i> (Ruprecht) Rosenvinge 1893					
<i>Elachista globosa</i> Ørsted 1844					
<i>Elachista grevillei</i> Arnott ex Harvey 1857					
<i>Elachista lubrica</i> Ruprecht 1850					
<i>Myriactula lubrica</i> (Ruprecht) Jaasund 1960					
<i>Elachista scutulata</i> (J.E. Smith) Duby 1830	X				
<i>Conferva scutulata</i> J.E. Smith 1812					
<i>Elachista scutellata</i>					
<i>Elachista stellaris</i> J.E. Areschoug 1842				X	X
<i>Areschougia stellaris</i> (Areschoug) Meneghini 1844					
<i>Elachista fracta</i> H. Gran 1893					
<i>Phycophila stellaris</i> (Areschoug) Kützing 1845					
<i>Symphoricoccus radians</i> Reinke 1888					
<i>Symphoricoccus stellaris</i> (Areschoug) Kuckuck 1929					
<i>Etonema tenuissimum</i> Reinsch 1890	X				
<i>Eudesme virescens</i> (Carmichael ex Berkeley) J. Agardh 1882				X	X
<i>Aegira virescens</i> (Carmichael ex Harvey) Setchell & N.L. Gardner					
<i>Aegira zosteræ</i> (Mohr) Fries 1835					
<i>Castagnea virescens</i> (Carmichael ex Harvey) Thuret in Le Jolis 1863					
<i>Castagnea virescens</i> f. <i>aestivales-autumnales</i> Areschoug 1875					
<i>Castagnea virescens</i> f. <i>vernales</i> Areschoug 1875					
<i>Castagnea zosteræ</i> (Mohr) Krok 1869					
<i>Castagnea zosteræ</i> (Mohr) Thuret 1863					
<i>Helminthocladia virescens</i> (Carmichael) Harvey 1841					
<i>Linckia zosteræ</i> (Mohr) Lyngbye 1819					
<i>Mesogloia virescens</i> Carmichael ex Berkeley in Harvey 1833					
<i>Mesogloia zosteræ</i> (Mohr) Areschoug 1842					
<i>Rivularia zosteræ</i> Mohr 1810					
<i>Giraudia sphacelarioides</i> Derbes & Solier in Castagne 1851				X	X
<i>Halorhiza vaga</i> Kützing				X	X
<i>Halothrix lumbricalis</i> (Kützing) Reinke 1888				X	X
<i>Ectocarpus lumbricalis</i> Kützing 1845					
<i>Elachista lumbricalis</i> (Kützing) Hauck 1883					
<i>Hecatonema terminale</i> (Kützing) Kylin 1937	X			X	
<i>Ascocyclus major</i> Foslie 1891					
<i>Ectocarpus terminalis</i> Kützing 1845					
<i>Hecatonema maculans</i> (F.S. Collins) Sauvageau 1897					
<i>Myrionema majus</i> Foslie nom. nov. 1894					
<i>Phycocelis maculans</i> F.S. Collins 1896					
<i>Herponema velutinum</i> (Greville) J. Agardh 1890	X				
<i>Ectocarpus velutinus</i> (Greville) Kützing 1845					
<i>Ectocarpus velutinus</i> var. <i>laterifructus</i> Batters					
<i>Sphacelaria velutina</i> Greville 1828					
<i>Streblonema velutinum</i> (Greville) Thuret 1863					
<i>Isthmoplea sphaerophora</i> (Carmichael) Kjellman 1879	X				
<i>Capsicarpella sphaerospora</i> (Carmichael ex Harvey) Bory de Saint-Vincent					
<i>Ectocarpus sphaerophorus</i> Carmichael 1833					
<i>Kuetzingiella holmesii</i> (Batters) Kornmann	X				
<i>Ectocarpus holmesii</i> Batters 1888					

Taxon	1	2	3	4	5
<i>Kuetzingiella maculans</i>	X				
<i>Laminariocolax aecidioides</i> (Rosenvinge) Burkhardt & Peters 1998	X				X
<i>Ectocarpus aecidioides</i> Rosenvinge 1893					
<i>Entonema aecidioides</i> (Rosenvinge) Kylin 1947					
<i>Gononema aecidioides</i> (Rosenvinge) P.M. Pedersen 1981					
<i>Myrionema aecidioides</i> (Rosenvinge) Sauvageau 1897					
<i>Phycocelis aecidioides</i> (Rosenvinge) Kuckuck 1894					
<i>Streblonema aecidioides</i> (Rosenvinge) Foslie ex Jaasund 1963					
<i>Laminariocolax tomentosoides</i> (Farlow) Kylin 1947	X			X	X
<i>Ectocarpus tomentosoides</i> Farlow 1889					
<i>Laminarionema elsbetiae</i> Kawai et Tokuyama 1995	X				
<i>Leathesia marina</i> (Lyngbye) Decaisne 1842	X	X		X	X
<i>Chaetophora marina</i> (C. Agardh) Lyngbye 1819					
<i>Clavateella difformis</i> (Linnaeus) Fries 1835					
<i>Corynephora baltica</i> Kützing 1849					
<i>Corynephora marina</i> (C. Agardh) C. Agardh 1824					
<i>Leathesia amplissima</i> Setchell & N.L. Gardner 1924					
<i>Leathesia difformis</i> (Linnaeus) J.E. Areschoug 1847					
<i>Leathesia difformis</i> var. <i>tingitana</i> Schousboe ex Bornet 1892					
<i>Leathesia nana</i> Setchell & N.L. Gardner 1924					
<i>Leathesia tuberiformis</i> (J.E. Smith) S.F. Gray 1821					
<i>Nostoc marinum</i> C. Agardh 1810					
<i>Nostoc mesentericum</i> C. Agardh 1824					
<i>Rivularia tuberiformis</i> Smith 1809					
<i>Tremella difformis</i> Linnaeus 1755					
<i>Leptonema neapolitanum</i> Schussnig 1930					
<i>Leptonematella neapolitana</i> (Schussnig) Cormaci & G. Furnari in Gallardo 1992					
<i>Leptonematella fasciculata</i> (Reinke) P.C. Silva 1959	X	X		X	X
<i>Elachista fasciculata</i> (Reinke) H. Gran 1893					
<i>Leptonema fasciculatum</i> Reinke 1888					
<i>Leptonema fasciculatum</i> var. <i>flagellare</i> Reinke 1889					
<i>Leptonema fasciculatum</i> var. <i>majus</i> Reinke 1889					
<i>Leptonema fasciculatum</i> var. <i>subcylindricum</i> Rosenvinge 1893					
<i>Leptonema fasciculatum</i> var. <i>uncinatum</i> Reinke 1889					
<i>Litosiphon laminariae</i> (Lyngbye) Harvey 1849	X			X	X
<i>Asperococcus laminariae</i> (Lyngbye) P.L. Crouan & H.M. Crouan					
<i>Asperococcus pusillus</i> Carmichael 1833					
<i>Bangia laminariae</i> Lyngbye 1819					
<i>Bangiella laminariae</i> (Lyngbye) Gaillon 1833					
<i>Clathrodiscus oligosporus</i> (Strömfelt) Waern 1950					
<i>Dictyosiphon pusillus</i> (Carmichael ex W.J. Hooker) Areschoug 1847					
<i>Encoelium pusillum</i> (Carmichael ex W.J. Hooker) J. Agardh 1836					
<i>Entonema oligosporum</i> (Strömfelt) Kylin 1947					
<i>Litosiphon hibernicus</i> (Johnson) Batters 1902					
<i>Litosiphon pusillus</i> (Carmichael) Harvey 1849					
<i>Pilocladus danicus</i> (Kylin) Kornmann 1954					
<i>Pogotrichum hibernicum</i> Johnson 1892					
<i>Punctaria laminariae</i> (Lyngbye) P.L. Crouan & H.M. Crouan					
<i>Punctaria pusilla</i> P.L. Crouan & H.M. Crouan 1867					
<i>Scytosiphon pusillus</i> (Carmichael ex W.J. Hooker) Fries 1845					
<i>Streblonema danicum</i> Kylin 1947					
<i>Streblonema oligosporum</i> Strömfelt 1884					
<i>Streblonema thureti</i> Sauvageau 1936					
<i>Streblonema volubile</i> (P.L. Crouan & H.M. Crouan) Pringshein 1862					
<i>Streblonema volubile</i> (P.L. Crouan & H.M. Crouan) Thuret 1863					
<i>Mesogloia vermiculata</i> (J.E. Smith) S.F. Gray 1821	X				X
<i>Helminthocladia vermicularis</i> (C. Agardh) Harvey 1838					
<i>Mesogloia vermicularis</i> C. Agardh 1817					
<i>Rivularia vermiculata</i> J.E. Smith 1808					

Taxon	1	2	3	4	5
<i>Microspongium gelatinosum</i> Reinke 1888				X	X
<i>Microspongium globosum</i> Reinke 1888				X	X
<i>Ascocyclus globosus</i> (Reinke) Reinke 1889					
<i>Ectocarpus pulvinatus</i> H. Gran 1897					
<i>Hecatonema globosum</i> (Reinke) Batters 1902					
<i>Hecatonema globosum</i> var. <i>nana</i> A.D.Cotton					
<i>Myrionema alariae</i> (Norum) Printz 1926					
<i>Myrionema globosum</i> (Reinke) Foslie 1894					
<i>Myrionema polycladum</i> Sauvageau 1897					
<i>Myrionema subglobosum</i> Kylin 1907					
<i>Phycocelis alariae</i> Norum 1913					
<i>Phycocelis globosus</i> (Reinke) De Toni 1895					
<i>Microspongium tenuissimum</i> (Hauck) A.F. Peters 2003				X	X
<i>Streblonema tenuissimum</i> Hauck 1884					
<i>Mikrosyphar polysiphoniae</i> Kuckuck 1897	X	X		X	
<i>Mikrosyphar porphyrae</i> Kuckuck 1897	X			X	
<i>Myrionema balticum</i> (Reinke) Foslie 1894					X
<i>Ascocyclus balticus</i> Reinke 1889					
<i>Myrionema attenuatum</i> Setchell & N.L. Gardner 1922					
<i>Myrionema attenuatum</i> f. <i>doliiforme</i> Setchell & N.L. Gardner 1922					
<i>Myrionema attenuatum</i> var. <i>trichophora</i> Hollenberg 1970					
<i>Myrionema balticum</i> f. <i>californicum</i> Setchell & N.L. Gardner 1922					
<i>Myrionema magnusii</i> (Sauvageau) Loiseaux 1967				X	X
<i>Ascocyclus magnusii</i> Sauvageau 1927					
<i>Myrionema seriatum</i> (Reinke) Kylin 1947					X
<i>Ascocyclus foecundus</i> var. <i>seriatus</i> Reinke 1889					
<i>Myrionema foecundum</i> f. <i>seriatum</i> (Reinke) Kylin 1907					
<i>Phycocelis foecundus</i> var. <i>seriatus</i> (Reinke) Lakowitz 1929					
<i>Myrionema strangulans</i> Greville 1827		X		X	X
<i>Linckia punctiforme</i> Lyngbye 1819					
<i>Myrionema intermedium</i> Foslie 1894					
<i>Myrionema leclancherii</i> (Chauvin) Harvey 1846					
<i>Myrionema maculiforme</i> Kützing 1845					
<i>Myrionema punctiforme</i> (Lyngbye) Areschoug 1847					
<i>Myrionema punctiforme</i> Harvey 1833					
<i>Myrionema strangulans</i> var. <i>punctiforme</i> (Harvey) Lily Newton 1931					
<i>Myrionema vulgare</i> Thuret 1863					
<i>Myrionema vulgare</i> var. <i>maculaeformis</i> (Kützing) Piccone 1889					
<i>Phaeosphaerium punctiforme</i> (Lyngbye) Kjellman 1890					
<i>Myriotrichia clavaeformis</i> Harvey in W.J.Hooker 1834		X		X	
<i>Ectocarpus sphaericus</i> Derbes & Solier 1851					
<i>Myrionema irregulare</i> Jaasund 1951					
<i>Myriotrichia clavaeformis</i> f. <i>filiformis</i> (Harvey) Kjellman 1890					
<i>Myriotrichia clavaeformis</i> var. <i>minima</i> Holmes & Batters					
<i>Myriotrichia clavaeformis</i> var. <i>subcylindrica</i> Batters 1895					
<i>Myriotrichia filiformis</i> Harvey 1841					
<i>Myriotrichia harveyana</i> Nägeli 1847					
<i>Streblonema sphaericum</i> (Derbes & Solier) Thuret in Le Jolis 1863					
<i>Petrospogium berkeleyi</i> (Greville) Nägeli ex Kützing 1858	X				
<i>Chaetophora berkeleyi</i> Greville 1833					
<i>Cylindrocarpus berkeleyi</i> (Greville) P.L. Crouan & H.M. Crouan 1851					
<i>Leathesia berkeleyi</i> (Greville) Harvey 1897					
<i>Phaeostroma pustulosum</i> Kuckuck in Reinbold 1893				X	X
<i>Entonema aequale</i> (Oltmanns) Kylin 1947					
<i>Phaeocladia prostrata</i> H. Gran 1893					
<i>Phaeostroma aequale</i> (Oltmanns) Kuckuck 1897					
<i>Phaeostroma prostratum</i> (H. Gran) Kuckuck 1895					
<i>Streblonema aequale</i> Oltmanns 1894					

Taxon	1	2	3	4	5
<i>Phycocelis foecunda</i> Strömfelt 1888	X			X	
<i>Ascocyclus distromaticus</i> W.R. Taylor 1937					
<i>Ascocyclus foecundus</i> (Strömfelt) Reinke 1898					
<i>Ascocyclus saccharinae</i> A.D. Cotton 1912					
<i>Ascocyclus sphaerophorus</i> Sauvageau 1897					
<i>Chilionema Børgesenii</i> Printz 1926					
<i>Chilionema foecundum</i> (Strömfelt) R.L. Fletcher 1987					
<i>Hecatonema foecundum</i> (Strömfelt) S. Loiseaux 1967					
<i>Myrionema foecundum</i> (Strömfelt) Sauvageau 1897					
<i>Pleurocladia lacustris</i> A. Braun 1855					X
<i>Chaetophora maritima</i> Kjellman 1877					
<i>Chaetophora pellucida</i> Kjellman 1883					
<i>Ectocarpus maritimus</i> (Kjellman) Rosenvinge 1910					
<i>Kolderupia maritima</i> (Kjellman) S. Lund 1959					
<i>Pilinia maritima</i> (Kjellman) Rosenvinge 1893					
<i>Pleurocladia lucifuga</i> (Kuckuck) Wilce 1966	X				
<i>Ectocarpus lucifugus</i> Kuckuck 1897					
<i>Kolderupia lucifuga</i> (Kuckuck) Lund 1959					
<i>Protectocarpus hecatonemoides</i> Kuckuck	X				
<i>Protectocarpus speciosus</i> (Børgesen) Kornmann in Kuckuck 1955	X			X	
<i>Ectocarpus speciosus</i> (Børgesen) Kuckuck 1922					
<i>Hecatonema diffusum</i> Kylin 1907					
<i>Hecatonema faeroense</i> (Børgesen) Levring 1937					
<i>Hecatonema speciosum</i> (Børgesen) A.D. Cotton 1912					
<i>Myrionema speciosum</i> Børgesen 1902					
<i>Punctaria latifolia</i> Greville 1830	X	X			
<i>Punctaria hiemalis</i> Kylin 1907					
<i>Punctaria plantaginea</i> var. <i>crouanii</i> Thuret					
<i>Punctaria plantaginea</i> (Roth) Greville 1830	X	X		X	X
<i>Asperococcus plantagineus</i> (Roth) Fries 1835					
<i>Homeostroma plantagineum</i> J. Agardh 1896					
<i>Laminaria plantaginea</i> (Roth) C. Agardh 1817					
<i>Phycolapathum plantagineum</i> (Roth) Kützing 1849					
<i>Punctaria rubescens</i> (Lyngbye) J. Agardh 1896					
<i>Ulva plantaginea</i> Roth 1800					
<i>Ulva plantaginera</i> Roth					
<i>Ulva rubescens</i> Lyngbye 1819					
<i>Zonaria plantaginea</i> (Roth) C. Agardh 1824					
<i>Punctaria tenuissima</i> (C. Agardh) Greville 1830		X		X	X
<i>Ceramium brachiatum</i> C. Agardh 1817					
<i>Desmotrichum balticum</i> Kützing 1845					
<i>Desmotrichum balticum</i> f. <i>paradoxum</i> Gran 1897					
<i>Desmotrichum repens</i> Kylin 1907					
<i>Desmotrichum scopulorum</i> Reinke 1888					
<i>Desmotrichum scopulorum</i> f. <i>fennicum</i> Skottsberg 1911					
<i>Desmotrichum undulatum</i> (J. Agardh) Reinke 1889					
<i>Diplostromium balticum</i> (Kützing) J. Agardh 1896					
<i>Diplostromium tenuissimum</i> (C. Agardh) Kützing 1843					
<i>Etonema effusum</i> (Kylin) Kylin 1947					
<i>Punctaria baltica</i> (Kützing) Batters 1902					
<i>Punctaria undulata</i> J. Agardh 1836					
<i>Streblonema effusum</i> Kylin 1907					
<i>Ulva plantaginifolia</i> Wulfen 1803					
<i>Zonaria tenuissima</i> C. Agardh 1824					
<i>Sauvageaugloia divaricata</i> (Clemente) Cremades in Cremades & Pérez-	X				
<i>Castagnea chordariaeformis</i> (P.L. Crouan & H.M. Crouan) Thuret					
<i>Castagnea griffithsiana</i> (Griffiths ex Harvey) J. Agardh 1882					
<i>Cladosiphon chordariaeformis</i> (P.L. Crouan & H.M. Crouan) J. Agardh 1881					
<i>Helminthocladia griffithsiana</i> (A.W. Griffiths ex W.J. Hooker) Harvey 1841					
<i>Mesogloia griffithsiana</i> A.W. Griffiths ex W.J. Hooker 1833					

Taxon	1	2	3	4	5
<i>Myriocladia chordariaeformis</i> P.L. Crouan & H.M. Crouan 1867					
<i>Sauvageaugloia chordariaeformis</i> (P.L. Crouan & H.M. Crouan) Kylin 1940					
<i>Sauvageaugloia griffithsiana</i> (A.W. Griffiths ex Harvey) G. Hamel ex Kylin 1940					
<i>Ulva divaricata</i> Clemente 1807					
Spermatochnus paradoxus (Roth) Kützing 1843				X	
<i>Chordaria paradoxa</i> (Roth) Lyngbye 1819					
<i>Chordaria rhizodes</i> var. <i>paradoxa</i> (Roth) C. Agardh 1817					
<i>Conferva paradoxa</i> Roth 1806					
<i>Scytosiphon paradoxus</i> (Roth) Hornemann 1818					
<i>Sporochnus rhizodes</i> var. <i>paradoxus</i> (Roth) C. Agardh 1824					
<i>Stilophora lyngbyei</i> J. Agardh 1841					
<i>Stilophora paradoxa</i> (Roth) Areschoug 1845					
Sphaerotrichia divaricata (C. Agardh) Kylin 1940		X	X	X	X
<i>Castagnea divaricata</i> (C. Agardh) J. Agardh 1882					
<i>Chordaria divaricata</i> C. Agardh 1817					
<i>Chordaria firma</i> E.S.Gepp 1904					
<i>Nemacystus divaricatus</i> (C. Agardh) Hygen 1934					
<i>Sphaerotrichia japonica</i> Kylin 1940					
Spongonema tomentosum (Hudson) Kützing 1849	X		X	X	X
<i>Ceramium tomentosum</i> (Hudson) Roth 1800					
<i>Chordaria tomentosa</i> (Hudson) Fries 1845					
<i>Conferva tomentosa</i> Hudson 1762					
<i>Ectocarpus ellipticus</i> D.A. Saunders 1898					
<i>Ectocarpus luteolus</i> Sauvageau 1892					
<i>Ectocarpus minimus</i> Nägeli					
<i>Ectocarpus tomentosus</i> (Hudson) Lyngbye 1819					
<i>Ectocarpus tomentosus</i> var. <i>clavatus</i> C. Agardh 1824					
<i>Feldmannia elliptica</i> (D.A. Saunders) Hollenberg & I.A. Abbott 1966					
<i>Herponema luteolum</i> (Sauvageau) G. Hamel 1939					
<i>Scytosiphon tomentosus</i> (Hudson) J. Agardh 1848					
<i>Sphacella subtilissima</i> var. <i>anglica</i> Batters 1897					
<i>Streblonema luteolum</i> (Sauv.) De Toni					
<i>Streblonema minimum</i> (Nägeli) De Toni					
Stictyosiphon soriferus (Reinke) Rosenvinge in Rosenvinge & Lund 1935				X	X
<i>Kjellmania arasakii</i> Yamada 1953					
<i>Kjellmania sorifera</i> Reinke 1889					
<i>Kjellmania striarioides</i> Gran 1897					
Stictyosiphon tortilis (Ruprecht) Reinke 1889	X			X	X
<i>Dictyosiphon tortilis</i> (Ruprecht) Gobi 1874					
<i>Phloeospora pumila</i> Kjellman 1877					
<i>Phloeospora tortilis</i> (Gobi) J.E. Areschoug 1876					
<i>Scytosiphon tortilis</i> Ruprecht 1850					
Stilophora nodulosa (C. Agardh) P.C. Silva in Silva Basson & Moe 1996				X	X
<i>Castagnea tuberculosa</i> (Hornemann) J. Agardh 1882					
<i>Ceramium tuberculosum</i> Hornemann 1816					
<i>Chaetophora nodulosa</i> C. Agardh 1817					
<i>Chordaria nodulosa</i> (C. Agardh) C. Agardh 1820					
<i>Chordaria tuberculosa</i> (Hornemann) Lyngbye 1819					
<i>Stilophora tuberculosa</i> (Hornemann) Reinke 1889					
<i>Stilophora tuberculosa</i> f. <i>corniculata</i> Reinke 1889					
<i>Stilophora tuberculosa</i> f. <i>gracillior</i> Reinke 1889					
Stilophora tenella (Esper) P.C. Silva in P.C.Silva Basson & R.L.Moe 1996				X	X
<i>Ceramium rhizodes</i> C. Agardh 1811					
<i>Ceramium tuberculosum</i> Roth 1800					
<i>Chordaria rhizodes</i> (C. Agardh) C. Agardh 1817					
<i>Chordaria rhizodes</i> var. <i>simplex</i> C. Agardh 1817					
<i>Conferva gracilis</i> Wulfen 1803					
<i>Dictyota papillosa</i> (C. Agardh) Greville 1830					
<i>Dictyota rhizoides</i> (Turner) Lamouroux 1824					
<i>Fucus rhizodes</i> Ehrhart ex Turner nom. illeg. 1819					
<i>Fucus rhizodes</i> var. <i>tenuior</i> Wahlenberg 1826					

Taxon	1	2	3	4	5
<i>Fucus tenellus</i> Esper 1800					
<i>Spermatocchnus papillosus</i> (C. Agardh) Kützing 1843					
<i>Sporocchnus rhizodes</i> (C. Agardh) C. Agardh 1820					
<i>Stilophora rhizodes</i> (C. Agardh) J. Agardh nom. illeg. 1841					
<i>Zonaria papillosa</i> C. Agardh 1820					
<i>Streblonema fasciculatum</i> Thuret in Le Jolis 1863				X	
<i>Ectocarpus pringsheimi</i> Reinke 1889					
<i>Streblonema fasciculatum</i> var. <i>simplex</i> Batters					
<i>Streblonema maculans</i> (P.A. Dangeard) G.R. South & Tittley 1986	X				
<i>Ectocarpus maculans</i> P.A. Dangeard 1934					
<i>Entonema maculans</i> (P.A. Dangeard) G. Hamel					
<i>Striaria attenuata</i> (Greville) Greville 1828	X			X	
<i>Carmichaelia attenuata</i> Greville 1827					
<i>Enteromorpha attenuata</i> (C. Agardh) Greville					
<i>Solenia crinita</i> C. Agardh					
<i>Striaria attenuata</i> f. <i>crinita</i> (J. Agardh) Kylin 1907					
<i>Striaria attenuata</i> f. <i>fragilis</i> (J. Agardh) Kjellman 1890					
<i>Striaria attenuata</i> f. <i>ramosissima</i> (Kützing) Hauck					
<i>Striaria attenuata</i> f. <i>tenuissima</i> Kylin 1947					
<i>Striaria attenuata</i> f. <i>typica</i> Kjellman 1890					
<i>Striaria attenuata</i> var. <i>crinita</i> (C. Agardh) Kützing 1845					
<i>Striaria crinita</i> (C. Agardh) J. Agardh 1842					
<i>Striaria fragilis</i> J. Agardh 1841					
<i>Ulonema rhizophorum</i> Foslie 1894		X			
<i>Ectocarpaceae</i>					
<i>Derbesia marina</i> (Lyngbye) Solier 1846					
<i>Halicystis ovalis</i> (Lyngbye) Areschoug 1850					
<i>Ectocarpus fasciculatus</i> Harvey 1841	X			X	
<i>Ectocarpus abbreviatus</i> Kützing					
<i>Ectocarpus confervoides</i> f. <i>pygmaeus</i> (Areschoug) Kjellman 1890					
<i>Ectocarpus confervoides</i> var. <i>pygmaeus</i> (Areschoug) Rosenvinge 1893					
<i>Ectocarpus draparnaldioides</i> (P.L. Crouan & H.M. Crouan) Kjellman 1872					
<i>Ectocarpus fasciculatus</i> var. <i>draparnaldioides</i> P.L. Crouan & H.M. Crouan 1867					
<i>Ectocarpus fasciculatus</i> var. <i>pygmaeus</i> (Areschoug) Batters 1902					
<i>Ectocarpus landsburgii</i> Harvey 1849					
<i>Ectocarpus pygmaeus</i> Areschoug 1872					
<i>Ectocarpus siliculosus</i> var. <i>pygmaeus</i> (Areschoug) Gallardo 1992					
<i>Ectocarpus fasciculatus</i> var. <i>abbreviatus</i> (Kützing) Sauvageau 1892	X				
<i>Ectocarpus abbreviatus</i> Kützing					
<i>Ectocarpus fasciculatus</i> var. <i>refractus</i> (Kützing) Ardissonne	X				
<i>Ectocarpus flagelliformis</i> Kützing 1843	X				
<i>Ectocarpus approximatus</i> Kützing 1849					
<i>Ectocarpus approximatus</i> var. <i>ceratoides</i> (Kützing) Grunow 1867					
<i>Ectocarpus approximatus</i> var. <i>flagelliformis</i> (Kützing) Grunow 1867					
<i>Ectocarpus ceratoides</i> Kützing 1849					
<i>Ectocarpus fasciculatus</i> Kützing nom. illeg. 1843					
<i>Ectocarpus gracillimus</i>			X		
<i>Ectocarpus parvulus</i> Kützing 1849	X				
<i>Ectocarpus patens</i>			X		
<i>Ectocarpus refractus</i>	X				
<i>Ectocarpus rufulus</i> Kützing 1843	X				
<i>Ectocarpus siliculosus</i> (Dillwyn) Lyngbye 1819	X	X	X	X	X
<i>Canferva siliculosa</i> Dillwyn					
<i>Ceramium confervoides</i> Roth nom. illeg. 1797					
<i>Ceramium confervoides</i> var. <i>ferrugineum</i> Roth 1806					
<i>Ceramium densum</i> Roth 1800					
<i>Ceramium siliculosum</i> (Dillwyn) C. Agardh 1811					
<i>Ceramium siliculosum</i> var. <i>atrovirens</i> C. Agardh 1817					
<i>Ceramium siliculosum</i> var. <i>ferrugineum</i> (Roth) C. Agardh 1817					
<i>Ceramium siliculosum</i> var. <i>nebulosum</i> C. Agardh 1817					

Taxon	1	2	3	4	5
<i>Conferva siliculosa</i> Dillwyn 1809					
<i>Ectocarpus confervoides</i> Le Jolis 1863					
<i>Ectocarpus confervoides</i> f. <i>arctus</i> (Kützing) Kjellman 1872					
<i>Ectocarpus confervoides</i> f. <i>irregularis</i> F.S. Collins 1906					
<i>Ectocarpus confervoides</i> f. <i>penicillatus</i> (C.Agardh) Kjellman 1872					
<i>Ectocarpus confervoides</i> f. <i>siliculosus</i> (Dillwyn) Kjellman 1872					
<i>Ectocarpus confervoides</i> f. <i>spalatinus</i> (Kützing) Kjellman 1872					
<i>Ectocarpus confervoides</i> var. <i>arctus</i> (Kützing) Lily Newton 1931					
<i>Ectocarpus confervoides</i> var. <i>brumalis</i> Holden					
<i>Ectocarpus confervoides</i> var. <i>hiemalis</i> (P.L. Crouan & H.M. Crouan) Kuckuck					
<i>Ectocarpus confervoides</i> var. <i>siliculosus</i> (Dillwyn) Farlow 1881					
<i>Ectocarpus hansteeni</i> Foslie 1894					
<i>Ectocarpus hiemalis</i> P.L. Crouan & H.M. Crouan 1867					
<i>Ectocarpus hiemalis</i> f. <i>spalatinus</i> (Kützing) Kjellman 1890					
<i>Ectocarpus penicillatus</i> (C. Agardh) Kjellman 1890					
<i>Ectocarpus siliculosus</i> f. <i>arctus</i> (Kützing) Kuckuck 1891					
<i>Ectocarpus siliculosus</i> f. <i>fluviatilis</i> (Kützing) Kuylenstierna comb. ined. 1990					
<i>Ectocarpus siliculosus</i> f. <i>nebulosa</i> (C.Agardh) Kjellman 1890					
<i>Ectocarpus siliculosus</i> var. <i>arctus</i> (Kützing) Kuckuck 1891					
<i>Ectocarpus siliculosus</i> var. <i>atrovirens</i> (C. Agardh) C. Agardh 1824					
<i>Ectocarpus siliculosus</i> var. <i>caespitosus</i> C. Agardh 1824					
<i>Ectocarpus siliculosus</i> var. <i>confervoides</i> (Roth) Kjellmann					
<i>Ectocarpus siliculosus</i> var. <i>ferrugineus</i> (Roth) C. Agardh 1824					
<i>Ectocarpus siliculosus</i> var. <i>hiemalis</i> (P.L. Crouan & H.M. Crouan) Foslie 1891					
<i>Ectocarpus siliculosus</i> var. <i>nebulosus</i> (C. Agardh) C. Agardh 1824					
<i>Ectocarpus siliculosus</i> var. <i>penicillatus</i> C. Agardh 1824					
<i>Ectocarpus siliculosus</i> var. <i>dasycarpus</i> (Kuckuck) Gallardo 1992	X	X		X	
<i>Ectocarpus confervoides</i> f. <i>crassus</i> Kjellman 1890					
<i>Ectocarpus confervoides</i> f. <i>dasycarpa</i> (Kuckuck) Rosenvinge & Lund					
<i>Ectocarpus confervoides</i> f. <i>dasycarpus</i> (Kuckuck) Rosenvinge & S. Lund 1941					
<i>Ectocarpus dasycarpus</i> Kuckuck 1891					
<i>Ectocarpus siliculosus</i> f. <i>dasycarpus</i> (Kuckuck) G. Russell 1966					
<i>Ectocarpus siliculosus</i> f. <i>gedanensis</i> Lakowitz 1907					
<i>Ectocarpus siliculosus</i> var. <i>crassus</i> (Kjellman) Gallardo 1992					
<i>Ectocarpus siliculosus</i> f. <i>dasycarpus</i> (Kuckuck) Rosenvinge & Lund 1941					
<i>Ectocarpus tomentosus</i> (Hudson) Lyngbye 1819	X		X		
<i>Kuckuckia spinosa</i> (Kützing) Kornmann in Kuckuck 1958	X				
<i>Ectocarpus criniger</i> Kuckuck 1895					
<i>Ectocarpus spinosus</i> Kützing 1843					
<i>Kuckuckia crinigera</i> (Kuckuck) G. Hamel 1939					
<i>Kuckuckia kyllinii</i> Cardinal 1964					
<i>Pilinia rimosa</i> Kützing 1843					X
<i>Leptonema lucifugum</i> Kuckuck 1897					
<i>Waerniella lucifuga</i> (Kuckuck) Kylin 1947					
<i>Waerniella lucifuga</i> var. <i>australis</i> A.B. Cribb					
Fucales, <i>Fucaceae</i>					
<i>Ascophyllum nodosum</i> (Linnaeus) Le Jolis 1863	X		X		
<i>Ascophylla laevigatum</i> Stackhouse nom. illeg. 1809					
<i>Ascophylla nodosa</i> (Linnaeus) Kuntze 1894					
<i>Ascophyllum mackayi</i> (Turner) Holmes & Batters 1892					
<i>Ascophyllum mackayi</i> f. <i>robertsonii</i> Batters 1892					
<i>Ascophyllum nodosum</i> f. <i>denudatum</i> (C.Agardh) Athanasiadis 1996					
<i>Ascophyllum nodosum</i> f. <i>mackayi</i> (Turner)					
<i>Ascophyllum nodosum</i> f. <i>scorpioides</i> Hauck 1883					
<i>Ascophyllum nodosum</i> var. <i>furcatum</i> (Areschoug) Reinke 1892					
<i>Ascophyllum nodosum</i> var. <i>lusitanicum</i> Lami 1939					
<i>Ascophyllum nodosum</i> var. <i>mackayi</i> (Turner) Cotton 1912					
<i>Ascophyllum nodosum</i> var. <i>minor</i> Batters 1902					
<i>Ascophyllum nodosum</i> var. <i>scorpioides</i> (Hauck) Reinke 1889					
<i>Ascophyllum nodosum</i> var. <i>siliquatus</i> (Turner) Batters 1902					
<i>Ascophyllum nodosum</i> var. <i>typicum</i> Reinke 1892					

Taxon	1	2	3	4	5
<i>Ascophyllum robertsonii</i> (Batters) Batters 1892					
<i>Chordaria scorpioides</i> (Hornemann) Lyngbye 1819					
<i>Fistularia mackayi</i> (Turner) Stackhouse 1816					
<i>Fistularia nodosa</i> (Linnaeus) Stackhouse 1816					
<i>Fucodium nodosum</i> (Linnaeus) J. Agardh 1848					
<i>Fucodium nodosum</i> var. <i>scorpioides</i> (Hornemann) J. Agardh 1848					
<i>Fucus mackayi</i> Turner 1808					
<i>Fucus nodosus</i> Linnaeus 1753					
<i>Fucus nodosus</i> var. <i>denudatus</i> C. Agardh 1820					
<i>Fucus nodosus</i> var. <i>evesiculosus</i> J. Agardh 1836					
<i>Fucus nodosus</i> var. <i>siliquatus</i> Turner 1802					
<i>Fucus scorpioides</i> Hornemann 1813					
<i>Halicoccus nodosus</i> (Linnaeus) Lyngbye 1819					
<i>Halicoccus nodosus</i> var. <i>furcatus</i> Areschoug 1847					
<i>Halidrys siliquosa</i> var. <i>minor</i> Halidrys siliquosa var. <i>minor</i> Lyngbye 1819					
<i>Ozothallia nodosa</i> (Linnaeus) Decaisne & Thuret 1845					
<i>Ozothallia nodosa</i> f. <i>furcata</i> (Areschoug) Kjellman 1880					
<i>Ozothallia vulgaris</i> Decaisne & Thuret nom. illeg. 1845					
<i>Fucus ceranoides</i> Linnaeus 1753	X				
<i>Fucus ceranoides</i> f. <i>divergens</i> (J. Agardh) Kjellman 1880					
<i>Fucus ceranoides</i> f. <i>harveyanus</i> (Decaisne ex J. Agardh) Kjellman 1880					
<i>Fucus divergens</i> J. Agardh 1872					
<i>Fucus harveyanus</i> Decaisne ex J. Agardh 1868					
<i>Virisodes ceranoides</i> (Linnaeus) Kuntze 1891					
<i>Fucus evanescens</i> C. Agardh 1820				X	
<i>Fucus bursigerus</i> J. Agardh 1868					
<i>Fucus distichus</i> subsp. <i>edentatus</i> (De La Pylaie) Powell 1957					
<i>Fucus distichus</i> subsp. <i>evanescens</i> (C. Agardh) Powell 1957					
<i>Fucus edentatus</i> Bachelot de la Pylaie 1829					
<i>Fucus edentatus</i> f. <i>angustior</i> Bachelot de la Pylaie 1829					
<i>Fucus edentatus</i> f. <i>contractus</i> Kjellman 1883					
<i>Fucus evanescens</i> f. <i>arcticus</i> Strömfelt 1886					
<i>Fucus evanescens</i> f. <i>bursigerus</i> (J. Agardh) Kjellman 1877					
<i>Fucus evanescens</i> f. <i>contractus</i> (Kjellman) Strömfelt 1886					
<i>Fucus evanescens</i> f. <i>cornutus</i> Kjellman 1889					
<i>Fucus evanescens</i> f. <i>dendroides</i> Strömfelt 1886					
<i>Fucus evanescens</i> f. <i>macrocephalus</i> Kjellman 1889					
<i>Fucus evanescens</i> f. <i>magnificus</i> Gardner 1922					
<i>Fucus evanescens</i> f. <i>nanus</i> Kjellman 1877					
<i>Fucus evanescens</i> f. <i>norvegicus</i> Strömfelt 1886					
<i>Fucus evanescens</i> f. <i>pergrandis</i> Kjellman 1877					
<i>Fucus evanescens</i> f. <i>rudis</i> Kjellman 1889					
<i>Fucus inflatus</i> f. <i>densus</i> (Kjellman) A.D. Zinova 1953					
<i>Fucus inflatus</i> f. <i>densus</i> Kjellman 1890					
<i>Fucus inflatus</i> f. <i>dilutus</i> (Kjellman) A.D. Zinova 1953					
<i>Fucus inflatus</i> f. <i>dilutus</i> Kjellman 1890					
<i>Fucus inflatus</i> f. <i>edentatus</i> (De La Pylaie) Børgeesen 1902					
<i>Fucus inflatus</i> f. <i>expositus</i> Jónsson 1903					
<i>Fucus inflatus</i> f. <i>gracilis</i> Kjellman 1890					
<i>Fucus inflatus</i> f. <i>humilis</i> (Kjellman) A.D. Zinova 1953					
<i>Fucus inflatus</i> f. <i>humilis</i> Kjellman 1890					
<i>Fucus inflatus</i> f. <i>latifrons</i> Foslie 1890					
<i>Fucus inflatus</i> f. <i>latifrons</i> Kjellman 1890					
<i>Fucus inflatus</i> f. <i>membranaceus</i> Rosenvinge 1898					
<i>Fucus inflatus</i> f. <i>murmanicus</i> E.S. Zinova 1914					
<i>Fucus inflatus</i> f. <i>nanus</i> Kjellman 1890					
<i>Fucus inflatus</i> f. <i>nordlandicus</i> (Kjellman) A.D. Zinova 1953					
<i>Fucus inflatus</i> f. <i>nordlandicus</i> Kjellman 1890					
<i>Fucus inflatus</i> f. <i>pygmaeus</i> Foslie 1890					
<i>Fucus inflatus</i> f. <i>reductus</i> (Kjellman) A.D. Zinova 1953					
<i>Fucus inflatus</i> f. <i>reductus</i> Kjellman 1890					

Taxon	1	2	3	4	5
<i>Fucus inflatus</i> var. <i>edentatus</i> (De La Pylaie) Rosenvinge 1893					
<i>Fucus inflatus</i> var. <i>evanescens</i> (C. Agardh) Rosenvinge 1893					
<i>Fucus inflatus</i> var. <i>finmarkicus</i> Kjellman 1890					
<i>Fucus microphyllus</i> De la Pylaie 1829					
<i>Fucus vesiculosus</i> var. <i>inflatus</i> (Linnaeus) C. Agardh 1810					
<i>Virisodes evanescens</i> (C. Agardh) Kuntze 1891					
<i>Fucus serratus</i> Linnaeus 1753	X		X	X	X
<i>Fucus serratus</i> f. <i>abbreviatus</i> Kjellman 1883					
<i>Fucus serratus</i> f. <i>angustus</i> Kjellman 1883					
<i>Fucus serratus</i> f. <i>arcticus</i> (J. Agardh) Kjellman 1880					
<i>Fucus serratus</i> f. <i>elongatus</i> Kjellman 1890					
<i>Fucus serratus</i> f. <i>grandifrons</i> Kjellman 1883					
<i>Fucus serratus</i> f. <i>laciniatus</i> Kjellman 1890					
<i>Fucus serratus</i> var. <i>angustifrons</i> Stackhouse 1816					
<i>Fucus serratus</i> var. <i>arcticus</i> J. Agardh 1868					
<i>Fucus serratus</i> var. <i>integer</i> Turner 1809					
<i>Fucus serratus</i> var. <i>integerrimus</i> C. Agardh 1820					
<i>Fucus serratus</i> var. <i>lacinatus</i> Greville					
<i>Fucus serratus</i> var. <i>latifolius</i> Turner 1809					
<i>Virisodes serratum</i> (Linnaeus) Kuntze 1891					
<i>Fucus spiralis</i> Linnaeus 1753					
<i>Fucus areschougi</i> Kjellman 1890					
<i>Fucus areschougi</i> f. <i>nanus</i> Kjellman 1890					
<i>Fucus areschougi</i> var. <i>borealis</i> (Kjellman) Kjellman 1890					
<i>Fucus areschougii</i> Kjellman 1890					
<i>Fucus areschougii</i> f. <i>nanus</i> Kjellman 1890					
<i>Fucus areschougii</i> var. <i>borealis</i> (Kjellman) Kjellman 1890					
<i>Fucus limitaneus</i> (Montagne) Montagne 1856					
<i>Fucus platycarpus</i> f. <i>nana</i> Schousboe ex Bornet 1878					
<i>Fucus platycarpus</i> var. <i>limitaneus</i> (Montagne) Sauvageau 1908					
<i>Fucus sherardi</i> f. <i>spiralis</i> (Linnaeus) Areschoug 1868					
<i>Fucus spiralis</i> f. <i>arenicola</i> Hamel 1939					
<i>Fucus spiralis</i> f. <i>borealis</i> Kjellman 1883					
<i>Fucus spiralis</i> f. <i>limitaneus</i> (Montagne) Børgesen 1926					
<i>Fucus spiralis</i> f. <i>nanus</i> (Kjellman) Batters 1902					
<i>Fucus spiralis</i> var. <i>limitaneus</i> Montagne 1856					
<i>Fucus spiralis</i> var. <i>nanus</i> (Kjellman) S.M. Baker & Bohling nom. illeg. 1916					
<i>Fucus spiralis</i> var. <i>nanus</i> (Stackhouse) Batters 1902					
<i>Fucus spiralis</i> var. <i>platycarpus</i> f. <i>limitaneus</i> (Montagne) Miranda 1931					
<i>Fucus spiralis</i> var. <i>typicus</i> Børgesen 1902					
<i>Fucus vesiculosus</i> var. <i>spiralis</i> (Linnaeus) C. Agardh 1810					
<i>Fucus vesiculosus</i> Linnaeus 1753	X	X	X	X	X
<i>Fucus axillaris</i> f. <i>balticus</i> (C. Agardh) Kjellman 1880					
<i>Fucus axillaris</i> var. <i>subecostatus</i> J. Agardh 1868					
<i>Fucus balticus</i> C. Agardh 1814					
<i>Fucus ceranoides</i> Areschoug 1847					
<i>Fucus divaricatus</i> Linnaeus 1753					
<i>Fucus excisus</i> Forsskål 1775					
<i>Fucus furcellatus</i> Linnaeus 1763					
<i>Fucus inflatus</i> Linnaeus 1753					
<i>Fucus vesiculosus</i> f. <i>abbreviatus</i> Kjellman 1890					
<i>Fucus vesiculosus</i> f. <i>acutus</i> Lyngbye 1819					
<i>Fucus vesiculosus</i> f. <i>angustifolius</i> (C. Agardh) Kjellman 1890					
<i>Fucus vesiculosus</i> f. <i>angustifrons</i> (Gobi) Kjellman 1890					
<i>Fucus vesiculosus</i> f. <i>angustifrons</i> Gobi 1878					
<i>Fucus vesiculosus</i> f. <i>balticus</i> (C. Agardh) Dannenberg 1927					
<i>Fucus vesiculosus</i> f. <i>balticus</i> Levring 1940					
<i>Fucus vesiculosus</i> f. <i>crispus</i> Kjellman 1890					
<i>Fucus vesiculosus</i> f. <i>elongatus</i> Kjellman 1890					
<i>Fucus vesiculosus</i> f. <i>filiformis</i> (C. Agardh) Kjellman 1890					
<i>Fucus vesiculosus</i> f. <i>flabellatus</i> Kjellman 1890					

Taxon	1	2	3	4	5
<i>Fucus vesiculosus</i> f. <i>fluviatilis</i> Kjellman 1890					
<i>Fucus vesiculosus</i> f. <i>lanceolatus</i> Kjellman 1890					
<i>Fucus vesiculosus</i> f. <i>latus</i> Kjellman 1890					
<i>Fucus vesiculosus</i> f. <i>limicola</i> F.S. Collins 1906					
<i>Fucus vesiculosus</i> f. <i>mytili</i> (Nienburg) Nienhuis					
<i>Fucus vesiculosus</i> f. <i>nanus</i> (C.Agardh) Kjellman 1890					
<i>Fucus vesiculosus</i> f. <i>plicatus</i> Kjellman 1890					
<i>Fucus vesiculosus</i> f. <i>pseudoceranoides</i> (Areschoug) Kleen 1874					
<i>Fucus vesiculosus</i> f. <i>racemosus</i> Kjellman 1890					
<i>Fucus vesiculosus</i> f. <i>robustus</i> Kjellman 1890					
<i>Fucus vesiculosus</i> f. <i>sphaerocarpus</i> (J.Agardh) Kleen 1874					
<i>Fucus vesiculosus</i> f. <i>subecostatus</i> (C.Agardh) Kjellman 1890					
<i>Fucus vesiculosus</i> f. <i>subfusiformis</i> Kjellman 1890					
<i>Fucus vesiculosus</i> f. <i>subglobosus</i> Kjellman 1890					
<i>Fucus vesiculosus</i> f. <i>tenuis</i> Kjellman 1890					
<i>Fucus vesiculosus</i> f. <i>terminalis</i> Kjellman 1890					
<i>Fucus vesiculosus</i> f. <i>turgidus</i> (Kjellman) Kjellman 1890					
<i>Fucus vesiculosus</i> f. <i>turgidus</i> Kjellman 1883					
<i>Fucus vesiculosus</i> f. <i>vadorum</i> (Areschoug) Kjellman 1890					
<i>Fucus vesiculosus</i> f. <i>vadorum</i> (Areschoug) Kleen 1874					
<i>Fucus vesiculosus</i> subsp. <i>pseudoceranoides</i> Areschoug 1868					
<i>Fucus vesiculosus</i> var. <i>aestuarii</i> Lami 1938					
<i>Fucus vesiculosus</i> var. <i>alternans</i> C. Agardh 1820					
<i>Fucus vesiculosus</i> var. <i>angustifolius</i> C. Agardh 1817					
<i>Fucus vesiculosus</i> var. <i>angustifrons</i> Turner					
<i>Fucus vesiculosus</i> var. <i>balticus</i> (C. Agardh) Areschoug 1847					
<i>Fucus vesiculosus</i> var. <i>ceratiformis</i> Wahlenberg 1826					
<i>Fucus vesiculosus</i> var. <i>chondriformis</i> J. Agardh 1836					
<i>Fucus vesiculosus</i> var. <i>divaricatus</i> (Linnaeus) Goodenough & Woodward 1797					
<i>Fucus vesiculosus</i> var. <i>filiformis</i> C. Agardh 1819					
<i>Fucus vesiculosus</i> var. <i>grandifrons</i> C. Agardh 1821					
<i>Fucus vesiculosus</i> var. <i>laterifructus</i> Greville 1828					
<i>Fucus vesiculosus</i> var. <i>nanus</i> C. Agardh 1817					
<i>Fucus vesiculosus</i> var. <i>rigidus</i> Wahlenberg 1812					
<i>Fucus vesiculosus</i> var. <i>rotundatus</i> Kjellman 1890					
<i>Fucus vesiculosus</i> var. <i>sphaerocarpus</i> J. Agardh 1872					
<i>Fucus vesiculosus</i> var. <i>spiralis</i> Farlow 1881					
<i>Fucus vesiculosus</i> var. <i>subecostatus</i> C. Agardh 1817					
<i>Halidrys vesiculosus</i> (Linnaeus) Stackhouse 1809					
<i>Virisodes vesiculosum</i> (Linnaeus) Kuntze 1891					
<i>Pelvetia canaliculata</i> (Linnaeus) Decaisne & Thuret 1845					X
<i>Ascophylla canaliculata</i> (Linnaeus) Kuntze 1891					
<i>Ascophyllum canaliculatum</i> (Linnaeus) Kuntze 1891					
<i>Fucodium canaliculatum</i> (Linnaeus) J. Agardh 1848					
<i>Fucus canaliculatus</i> Linnaeus 1767					
<i>Halidrys canaliculata</i> (Linnaeus) Stackhouse 1809					
<i>Pelvetia canaliculata</i> f. <i>acutilobata</i> (Lami) Ardré nom. inval. 1961					
<i>Pelvetia canaliculata</i> f. <i>acutilobata</i> (Lami) Ardré nom. inval 1961					
<i>Pelvetia canaliculata</i> f. <i>interposita</i> Lami 1939					
<i>Pelvetia canaliculata</i> f. <i>minima</i> Simmons 1897					
<i>Pelvetia canaliculata</i> f. <i>radicans</i> Foslie 1893					
<i>Pelvetia canaliculata</i> var. <i>acutilobata</i> Lami 1939					
<i>Pelvetia canaliculata</i> var. <i>coralloides</i> S.M. Baker 1912					
<i>Pelvetia canaliculata</i> var. <i>libra</i> S.M. Baker 1912					
<i>Pelvetia canaliculata</i> var. <i>typica</i> Lami nom. illeg. 1939					
<i>Himanthaliaceae</i>					
<i>Himanthalia elongata</i> (Linnaeus) S.F. Gray 1821					X
<i>Fucus elongatus</i> Linnaeus 1753					
<i>Fucus loreus</i> Linnaeus 1767					
<i>Fucus pruniformis</i> Gunnerus 1772					
<i>Fucus tomentosus</i> Hudson nom. illeg. 1778					

Taxon	1	2	3	4	5
<i>Funicularius tuberculatus</i> Roussel nom. illeg. 1806					
<i>Himanthalia elongatus</i> var. <i>inequalis</i> S.F. Gray 1821					
<i>Himanthalia lorea</i> (Linnaeus) Lyngbye 1819					
<i>Spongia dichotoma</i> Hudson nom. illeg. 1762					
<i>Ulva tomentosa</i> (Hudson) De Candolle 1805					
Sargassaceae					
<i>Cystoseira baccata</i> (S.G. Gmelin) P.C. Silva 1952			X		
<i>Cystoseira fibrosa</i> (Hudson) C. Agardh 1820					
<i>Fucus baccatus</i> S.G. Gmelin 1768					
<i>Fucus fibrosus</i> Hudson 1778					
<i>Phyllacantha fibrosa</i> (S.G. Gmelin) Kützinger 1843					
<i>Halidrys siliquosa</i> (Linnaeus) Lyngbye 1819	X		X	X	X
<i>Cystoseira siliquosa</i> (Linnaeus) C. Agardh 1820					
<i>Fucus siliculosus</i> Stackhouse 1796					
<i>Fucus siliquosus</i> Linnaeus 1753					
<i>Halidrys siliquosa</i> var. <i>denudata</i> Lyngbye 1819					
<i>Halidrys siliquosa</i> var. <i>evesiculosa</i> J. Agardh 1836					
<i>Halidrys siliquosa</i> var. <i>siliculosus</i> (Stackhouse)					
<i>Sargassum muticum</i> (Yendo) Fensholt 1955	X	X	X		
<i>Sargassum kjellmanianum</i> f. <i>muticum</i> Yendo 1907					
Laminariales, Alariaceae					
<i>Alaria esculenta</i> (Linnaeus) Greville 1830	X				
<i>Agarum delisei</i> Bory de Saint-Vincent 1826					
<i>Agarum esculentum</i> (Linnaeus) Bory de Saint-Vincent 1826					
<i>Alaria delisii</i> (Bory) Greville 1830					
<i>Alaria dolichorhachis</i> Kjellman 1883					
<i>Alaria esculenta</i> f. <i>australis</i> Kjellman 1883					
<i>Alaria esculenta</i> f. <i>fasciculata</i> Strömfelt 1886					
<i>Alaria esculenta</i> f. <i>musaefolia</i> (Pylaie) Kjellman 1883					
<i>Alaria esculenta</i> f. <i>pinnata</i> (Goby) Foslie 1886					
<i>Alaria esculenta</i> var. <i>pinnata</i> (Gobi) Kjellman 1890					
<i>Alaria grandifolia</i> J. Agard 1872					
<i>Alaria linearis</i> Strömfelt 1886					
<i>Alaria macroptera</i> (Ruprecht) Yend 1919					
<i>Alaria musaefolia</i> (Bachelot de la Pylaie) J. Agardh 1872					
<i>Alaria platyrhiza</i> Kjellman 1906					
<i>Ceramium esculentum</i> (Linnaeus) Stackhouse 1801					
<i>Fucus esculentus</i> Linnaeus 1767					
<i>Fucus esculentus</i> var. <i>minor</i> Turner 1802					
<i>Fucus pinnatus</i> Gunnerus nom. illeg. 1766					
<i>Fucus teres</i> Goodenough & Woodward 1797					
<i>Laminaria esculenta</i> (Linnaeus) C. Agardh 1817					
<i>Laminaria musaefolia</i> Bachelot de la Pylaie 1830					
<i>Laminaria musaefolia</i> var. β <i>remotifolia</i> Bachelot de la Pylaie 1830					
<i>Musaefolia esculenta</i> (Linnaeus) Stackhouse 1809					
<i>Orgyia delisii</i> (Bory de Saint-Vincent) Trevisan 1845					
<i>Orgyia esculenta</i> (Linnaeus) Stackhouse 1816					
<i>Orgyia pinnata</i> Gobi 1878					
<i>Phasganon macropterum</i> Ruprecht 1850					
<i>Phasgonon esculentum</i> (Linnaeus) S.F. Gray 1821					
<i>Phasgonon esculentum</i> var. <i>minus</i> S.F. Gray 1821					
<i>Podopteris esculentum</i> (Linnaeus) De la Pylaie 1830					
Chordaceae					
<i>Chorda filum</i> (Linnaeus) Stackhouse 1797	X	X	X	X	
<i>Chondrus filum</i> (Linnaeus) J.V. Lamouroux 1824					
<i>Chorda filum</i> f. <i>subtomentosa</i> (Areschoug) Kjellman 1883					
<i>Chorda filum</i> var. <i>subtomentosa</i> Areschoug 1875					
<i>Chorda filum</i> var. <i>thrix</i> W.J. Hooker					
<i>Chordaria filum</i> (Linnaeus) C. Agardh 1817					
<i>Fucus filiformis</i> Strøm 1762					

Taxon	1	2	3	4	5
<i>Fucus filum</i> Linnaeus 1753					
<i>Scytosiphon filum</i> (Linnaeus) C. Agardh 1820					
<i>Halosiphon tomentosus</i> (Lyngbye) Jaasund 1957					
<i>Chorda tomentosa</i> Lyngbye 1819					
Laminariaceae					
<i>Laminaria digitata</i> (Hudson) J.V. Lamouroux 1813	X	X		X	X
<i>Fucus bifurcatus</i> Gunnerus 1766					
<i>Fucus digitatus</i> Hudson 1762					
<i>Laminaria apoda</i> Postels & Ruprecht nom. nud. 1840					
<i>Laminaria bongardiana</i> var. <i>bifurcata</i> (Gunnerus) Postels & Ruprecht 1840					
<i>Laminaria conica</i> Bory de Saint-Vincent 1826					
<i>Laminaria cucullata</i> (Le Jolis) Foslie 1883					
<i>Laminaria cucullata</i> f. <i>apoda</i> Postels & Ruprecht ex A.Zinova 1950					
<i>Laminaria cucullata</i> f. <i>longipes</i> (Foslie) A.D. Zinova 1950					
<i>Laminaria cucullata</i> f. <i>ovata</i> (Le Jolis) Foslie 1883					
<i>Laminaria digitata</i> f. <i>complanata</i> Kjellman 1877					
<i>Laminaria digitata</i> f. <i>cucullata</i> (Le Jolis) Kjellman 1883					
<i>Laminaria digitata</i> f. <i>cuneata</i> Kjellman 1890					
<i>Laminaria digitata</i> f. <i>debilipes</i> Foslie 1884					
<i>Laminaria digitata</i> f. <i>ensifolia</i> (Le Jolis) Kjellman 1883					
<i>Laminaria digitata</i> f. <i>grandifolia</i> Foslie 1884					
<i>Laminaria digitata</i> f. <i>latifolia</i> (C.Agardh) Kjellman 1877					
<i>Laminaria digitata</i> f. <i>latilaciniata</i> (Foslie) Kjellman 1883					
<i>Laminaria digitata</i> f. <i>longipes</i> (Foslie) Kjellman 1890					
<i>Laminaria digitata</i> f. <i>ovata</i> (Le Jolis) Kjellman 1883					
<i>Laminaria digitata</i> f. <i>stenophylla</i> Harvey 1851					
<i>Laminaria digitata</i> f. <i>valida</i> (Foslie) Kjellman 1883					
<i>Laminaria digitata</i> var. <i>debilipes</i> (Foslie) Kjellman 1890					
<i>Laminaria digitata</i> var. <i>ensifolia</i> (Kützing) J. Agardh 1868					
<i>Laminaria digitata</i> var. <i>integrifolia</i> J. Agardh 1868					
<i>Laminaria digitata</i> var. <i>intermedia</i> (Foslie) Kjellman 1890					
<i>Laminaria digitata</i> var. <i>latifolia</i> (C. Agardh) Areschoug 1842					
<i>Laminaria digitata</i> var. <i>stenophylla</i> (Harvey) Kleen 1874					
<i>Laminaria digitata</i> var. <i>valida</i> (Foslie) Kjellman 1890					
<i>Laminaria ensifolia</i> Kützing 1843					
<i>Laminaria flexicaulis</i> Le Jolis 1855					
<i>Laminaria flexicaulis</i> f. <i>ensifolia</i> Le Jolis 1856					
<i>Laminaria flexicaulis</i> f. <i>latilaciniata</i> Foslie 1883					
<i>Laminaria flexicaulis</i> f. <i>ovata</i> Le Jolis 1856					
<i>Laminaria flexicaulis</i> f. <i>valida</i> Foslie 1883					
<i>Laminaria flexicaulis</i> var. <i>cucullata</i> Le Jolis 1856					
<i>Laminaria flexilis</i> Le Jolis					
<i>Laminaria intermedia</i> Foslie 1884					
<i>Laminaria intermedia</i> f. <i>cucullata</i> (Le Jolis) Foslie 1884					
<i>Laminaria intermedia</i> f. <i>longipes</i> Foslie 1884					
<i>Laminaria intermedia</i> f. <i>ovata</i> (Le Jolis) Foslie 1884					
<i>Laminaria latifolia</i> C. Agardh 1820					
<i>Laminaria stenophylla</i> (Harvey) J. Agardh 1868					
<i>Saccharina digitata</i> (Hudson) Kuntze 1891					
<i>Laminaria hyperborea</i> (Gunnerus) Foslie 1884	X			X	
<i>Fucus hyperboreus</i> Gunnerus 1766					
<i>Fucus scoparius</i> Ström 1762					
<i>Hafgyria cloustonii</i> (Edmondston) Areschoug 1883					
<i>Laminaria cloustonii</i> Edmondston 1845					
<i>Laminaria hyperborea</i> f. <i>compressa</i> Foslie 1884					
<i>Saccharina latissima</i> (Linnaeus) C.E. Lane C. Mayes Druehl & G.W.	X	X		X	X
<i>Ceramium phyllitis</i> (Stackhouse) Stackhouse 1797					
<i>Fucus phyllitis</i> Stackhouse 1796					
<i>Fucus saccharinus</i> Linnaeus 1753					
<i>Fucus saccharinus</i> var. <i>angusto-bullatus</i> Wahlenberg 1826					
<i>Fucus saccharinus</i> var. <i>bullatus</i> Goodenough & Woodward 1797					

Taxon	1	2	3	4	5
<i>Fucus saccharinus</i> var. <i>latissimus</i> Wahlenberg 1826					
<i>Laminaria caperata</i> Bachelot de la Pylaie 1824					
<i>Laminaria caperata</i> var. <i>eliptica</i> J. Agardh 1868					
<i>Laminaria caperata</i> var. <i>lanceolata</i> J. Agardh 1868					
<i>Laminaria caperata</i> var. <i>oblonga</i> J. Agardh 1868					
<i>Laminaria caperata</i> var. <i>obovata</i> J. Agardh 1868					
<i>Laminaria cuneifolia</i> J. Agardh 1868					
<i>Laminaria faeroensis</i> (Børgesen) Børgesen 1902					
<i>Laminaria faeroensis</i> f. <i>sacchariniformis</i> Børgesen 1902					
<i>Laminaria hieroglyphica</i> J. Agardh 1868					
<i>Laminaria longicuris</i> var. <i>faeroensis</i> Børgesen 1896					
<i>Laminaria maxima</i> (Gunnerus) Kjellman 1877					
<i>Laminaria membranacea</i> S.F. Gray 1821					
<i>Laminaria phyllitis</i> (Stackhouse) C. Agardh 1817					
<i>Laminaria phyllopus</i> Kjellman 1906					
<i>Laminaria saccharina</i> (Linnaeus) J.V. Lamouroux 1813					
<i>Laminaria saccharina</i> f. <i>borealis</i> Foslie 1884					
<i>Laminaria saccharina</i> f. <i>bullata</i> (C.Agardh) Kylin 1907					
<i>Laminaria saccharina</i> f. <i>caperata</i> (De la Pylaie) Setchell 1900					
<i>Laminaria saccharina</i> f. <i>latifolia</i> (Kjellman) Kjellman 1890					
<i>Laminaria saccharina</i> f. <i>latissima</i> Kjellman 1883					
<i>Laminaria saccharina</i> f. <i>linearis</i> (J.Agardh) Foslie 1884					
<i>Laminaria saccharina</i> f. <i>linearis</i> (J.Agardh) Kjellman 1883					
<i>Laminaria saccharina</i> f. <i>linearis</i> J. Agardh 1868					
<i>Laminaria saccharina</i> f. <i>longissima</i> (Gunnerus) Foslie 1884					
<i>Laminaria saccharina</i> f. <i>membranacea</i> J.Agardh 1868					
<i>Laminaria saccharina</i> f. <i>oblonga</i> (J.Agardh) Kjellman 1883					
<i>Laminaria saccharina</i> f. <i>phyllitis</i> (Stackhouse) Hauck 1884					
<i>Laminaria saccharina</i> f. <i>prima</i> J.Agardh 1851					
<i>Laminaria saccharina</i> f. <i>sublaevis</i> (Kjellman) Kylin 1907					
<i>Laminaria saccharina</i> f. <i>β</i> phyllitis (Stackhouse) J.P. Jones & J.F.Kingston 1829					
<i>Laminaria saccharina</i> var. <i>bullata</i> C. Agardh 1817					
<i>Laminaria saccharina</i> var. <i>caperata</i> (De la Pylaie) Farlow 1881					
<i>Laminaria saccharina</i> var. <i>grandis</i> Kjellman 1890					
<i>Laminaria saccharina</i> var. <i>latissima</i> C. Agardh 1817					
<i>Laminaria saccharina</i> var. <i>linearis</i> J. Agardh 1868					
<i>Laminaria saccharina</i> var. <i>membranacea</i> (J. Agardh) Kjellman 1890					
<i>Laminaria saccharina</i> var. <i>oblonga</i> J. Agardh 1868					
<i>Laminaria saccharina</i> var. <i>phyllitis</i> (Stackhouse) Le Jolis 1863					
<i>Laminaria saccharina</i> var. <i>sublaevis</i> Kjellman 1890					
<i>Laminaria stackhousei</i> Bory de Saint-Vincent nom. illeg. 1826					
<i>Palmaria phyllitis</i> (Stackhouse) Nees 1820					
<i>Phycoseris latissima</i> (Linnaeus) Fraudenfeld 1854					
<i>Saccharina bullata</i> (Goodenough & Woodward) Stackhouse 1809					
<i>Saccharina phyllitis</i> (Stackhouse) O.Kuntze 1891					
<i>Saccharina plana</i> Stackhouse 1809					
<i>Ulva fasciata</i> S.F. Gray nom. illeg. 1821					
<i>Ulva fusca</i> Hudson 1778					
<i>Ulva lactuca</i> var. <i>latissima</i> (Linnaeus) A.P. De Candolle 1805					
<i>Ulva latissima</i> Gunnerus nom illeg. 1766					
<i>Ulva latissima</i> Linnaeus 1753					
<i>Ulva longissima</i> Gunnerus 1772					
<i>Ulva maxima</i> Gunnerus 1772					
<i>Ulva phyllitis</i> (Stackhouse) A.P. de Candolle 1805					
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Ralfsiales, Ralfsiaceae					
<i>Petroderma maculiforme</i> (Wollny) Kuckuck 1897				X	X
<i>Lithoderma lignicola</i> Kjellman 1883					
<i>Lithoderma maculiforme</i> Wollny 1881					
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<i>Porterinema fluviatile</i> (A. Porter) Waern 1952					X
<i>Porterinema marina</i> Jaasund 1965					
<i>Streblonema fluviatile</i> A.Porter 1894					

Taxon	1	2	3	4	5
<i>Pseudolithoderma extensum</i> (P.L. Crouan & H.M. Crouan) S. Lund 1959				X	X
<i>Lithoderma extensum</i> (P.L. Crouan & H.M. Crouan) G. Hamel 1935					
<i>Lithoderma fatiscens</i> Kuckuck nom. illeg. 1894					
<i>Pseudolithoderma fatiscens</i> (Kuckuck) Svedelius 1910					
<i>Ralfsia extensa</i> P.L. Crouan & H.M. Crouan 1867					
<i>Pseudolithoderma rosenvingei</i> (Waern) S. Lund 1959				X	
<i>Lithoderma rosenvingei</i> Waern 1949					
<i>Pseudolithoderma subextensum</i> (Waern) S. Lund 1959				X	
<i>Lithoderma subextensum</i> Waern 1949					
<i>Ralfsia bornetii</i> Kuckuck 1894	X				
<i>Ralfsia lucida</i> S. Lund 1967				X	
<i>Ralfsia verrucosa</i> (J.E. Areschoug) J.E. Areschoug in Fries 1845	X	X	X	X	X
<i>Cruoria verrucosa</i> J.E. Areschoug 1843					
<i>Ralfsia verrucosa</i> var. <i>Cochlearum</i> J.E. Areschoug 1876					
<i>Ralfsia verrucosa</i> var. <i>J.E. lignicola</i> Areschoug 1847					
Scytosiphonales, Scytosiphonaceae					
<i>Compsinema minutum</i> (C. Agardh) Kornmann in Kuckuck 1953	X				
<i>Ectocarpus minutus</i> C. Agardh 1827					
<i>Ectocarpus monocarpus</i> C. Agardh 1820					
<i>Compsinema saxicola</i> (Kuckuck) Kornmann in Kuckuck 1953	X				
<i>Compsinema saxiculum</i>					
<i>Myrionema saxicola</i> Kuckuck 1897					
<i>Myrionema saxiculum</i> Kuckuck 1897					
<i>Petalonia fascia</i> (O.F. Müller) Kuntze 1898	X	X	X	X	X
<i>Fucus fascia</i> O.F. Müller 1778					
<i>Ilea caespitosa</i> (J. Agardh) Nordstedt 1912					
<i>Ilea fascia</i> (O.F. Müller) Fries 1835					
<i>Ilea fascia</i> f. <i>caespitosa</i> (J. Agardh) Farlow 1881					
<i>Ilea fascia</i> f. <i>debilis</i> (C. Agardh) Setchell & Gardner 1924					
<i>Laminaria caespitosa</i> (J. Agardh) J. Agardh 1848					
<i>Laminaria fascia</i> (O.F. Müller) C. Agardh 1817					
<i>Phycolapathum cuneatum</i> Kützing 1845					
<i>Phyllitis caespitosa</i> Le Jolis 1863					
<i>Phyllitis debilis</i> (C. Agardh) Kützing					
<i>Phyllitis fascia</i> (O.F. Müller) Kützing 1843					
<i>Phyllitis fascia</i> var. <i>caespitosa</i>					
<i>Phyllitis fascia</i> var. <i>curvata</i> Kützing 1849					
<i>Phyllitis fascia</i> var. <i>debilis</i> (C. Agardh) Hauck 1883					
<i>Phyllitis fascia</i> var. <i>latior</i> Hariot 1889					
<i>Phyllitis fascia</i> var. <i>tenuissima</i> Batters					
<i>Punctaria caespitosa</i> J. Agardh 1836					
<i>Ralfsia californica</i> Setchell & N.L. Gardner 1924					
<i>Saccharina caespitosa</i> (J. Agardh) Kuntze 1891					
<i>Saccharina fascia</i> (O.F. Müller) Kuntze 1891					
<i>Scytosiphon fascia</i> (O.F. Müller) P.L. Crouan & H.M. Crouan 1867					
<i>Ulva fascia</i> (O.F. Müller) Lyngbye 1819					
<i>Ulva fascia</i> var. <i>tenuior</i> Lyngbye 1819					
<i>Petalonia filiformis</i> (Batters) Kuntze	X				
<i>Phyllitis filiformis</i> Batters					
<i>Petalonia zosterifolia</i> (Reinke) Kuntze 1898	X	X		X	X
<i>Ilea zosterifolia</i> (Reinke) Norstedt 1912					
<i>Petalonia fascia</i> var. <i>zosterifolia</i> (Reinke) W.R. Taylor					
<i>Phyllitis zosterifolia</i> Reinke 1889					
<i>Scytosiphon lomentaria</i> (Lyngbye) Link 1833	X	X	X	X	X
<i>Asperococcus castagneus</i> Carmichael 1833					
<i>Chlorosiphon shuttleworthianus</i> Kützing 1843					
<i>Chorda autumnalis</i> Areschoug 1862					
<i>Chorda lomentaria</i> Lyngbye 1819					
<i>Chorda lomentaria</i> f. <i>autumnalis</i> (Areschoug) Areschoug 1875					
<i>Chorda lomentaria</i> var. <i>autumnalis</i> (Areschoug) Areschoug 1862					

Taxon	1	2	3	4	5
<i>Chordaria attenuata</i> Foslie 1887					
<i>Fucus lomentarius</i> (Lyngbye) Sommerfelt 1826					
<i>Scytosiphon filum lomentaria</i> (Lyngbye) Agardh					
<i>Scytosiphon filum</i> var. <i>lomentarius</i> (Lyngbye) C. Agardh 1820					
<i>Scytosiphon lomentaria</i> f. <i>castagneus</i> (Carmichael) Kleen 1874					
<i>Scytosiphon lomentaria</i> var. <i>zostericola</i> Thuret 1863					
<i>Scytosiphon pygmaeus</i> Reinke 1888					
<i>Ulva simplicissima</i> Clemente 1807					
Sorapion simulans Kuckuck 1894	X				
<i>Lithoderma simulans</i> (Kuckuck) Batters 1896					
Stragularia clavata (Harvey) G. Hamel 1931	X			X	X
<i>Myrionema clavata</i> Harvey 1833					
<i>Myrionema henschei</i> Caspary 1871					
<i>Ralfsia clavata</i> (Harvey) P.L. Crouan & H.M. Crouan 1852					
<i>Ralfsia disciformis</i> P.L. Crouan & H.M. Crouan 1867					
<i>Ralfsia tenuis</i> Kylin 1947					
<i>Stragularia adhaerens</i> Strömfelt 1886					
Symphocarpus strangulans Rosenvinge 1893	X				
Sphacelariales, Sphacelariaceae					
Cladostephus myriophyllum	X				
Cladostephus spongiosus (Hudson) C. Agardh 1817	X				
<i>Ceramium spongiosum</i> (Hudson) Wahlenberg 1826					
<i>Cladostephus densus</i> Kützing 1856					
<i>Cladostephus laxus</i> C. Agardh 1824					
<i>Cladostephus spongiosum</i> f. <i>laxus</i> (C. Agardh) J.E. Areschoug 1850					
<i>Cladostephus spongiosum</i> var. <i>laxum</i> (C. Agardh) C. Agardh 1828					
<i>Conferva spongiosa</i> Hudson 1762					
<i>Fucus bryum</i> Strøm 1788					
Cladostephus verticillatus (Lightfoot) Lyngbye 1819	X				
<i>Cladostephus australis</i> Kützing nom. illeg. 1856					
<i>Cladostephus hirsutus</i> (Linnaeus) C.-F. Boudouresque & M. Perret-Boudouresque 1984					
<i>Cladostephus spongiosus</i> f. <i>verticillatus</i> (Lightfoot) Prud'homme van Reine 1972					
<i>Conferva myriophyllum</i> Roth 1801					
<i>Conferva verticillata</i> Lightfoot 1777					
<i>Fucus hirsutus</i> Linnaeus 1767					
Sphacelaria arctica Harvey 1858				X	X
<i>Sphacelaria cirrosa</i> [cirrhosa] f. <i>corticata-radicans</i> Areschoug 1876					
<i>Sphacelaria cirrosa</i> [cirrhosa] var. <i>notata</i> C. Agardh 1828					
<i>Sphacelaria clevei</i> Grunow 1874					
<i>Sphacelaria intermedia</i> Gobi 1877					
<i>Sphacelaria notata</i> (C. Agardh) Kjellman 1890					
<i>Sphacelaria racemosa</i> f. <i>arctica</i> (Harvey) Sauvageau 1903					
<i>Sphacelaria racemosa</i> f. <i>notata</i> (C. Agardh) Svedelius 1901					
<i>Sphacelaria racemosa</i> var. <i>arctica</i> (Harvey) Reinke 1889					
Sphacelaria caespitula Lyngbye 1819	X				
<i>Sphacelaria helgolandica</i> (Kuckuck) Waern 1945					
<i>Sphaceloderma helgolandicum</i> Kuckuck 1894					
Sphacelaria cirrosa (Roth) C. Agardh 1824		X		X	X
<i>Ceramium cirrosum</i> (Roth) C. Agardh 1811					
<i>Conferva cirrosa</i> Roth 1800					
<i>Conferva pennata</i> Hudson 1762					
<i>Sphacelaria bipinnata</i> (Kützing) Piccone 1884					
<i>Sphacelaria cirrosa</i> [cirrhosa] f. <i>patentissima</i> (Greville) Lund 1950					
<i>Sphacelaria cirrosa</i> [cirrhosa] var. <i>aegagropila</i> C. Agardh 1824					
<i>Sphacelaria cirrosa</i> [cirrhosa] var. <i>gracilis</i> (Lyngbye) Hornemann 1837					
<i>Sphacelaria cirrosa</i> [cirrhosa] var. <i>irregularis</i> (Kützing) Hauck					
<i>Sphacelaria cirrosa</i> [cirrhosa] var. <i>patentissima</i> Greville 1827					
<i>Sphacelaria cirrosa</i> f. <i>mediterranea</i> Sauvageau 1902					
<i>Sphacelaria cirrosa</i> f. <i>meridionalis</i> Sauvageau 1902					
<i>Sphacelaria cirrosa</i> f. <i>septentrionalis</i> Sauvageau 1902					

Taxon	1	2	3	4	5
<i>Sphacelaria cirrosa</i> var. <i>pennata</i> (Lyngbye) Hauck 1884					
<i>Sphacelaria cirrosa</i> var. <i>subsecunda</i> Grunow 1884					
<i>Sphacelaria hystrix</i> Suhr ex Reinke					
<i>Sphacelaria irregularis</i> Kützing					
<i>Sphacelaria pennata</i> Lyngbye 1819					
<i>Sphacelaria pennata</i> f. <i>meriodinalis</i> (Sauvageau) D.E.G. Irvine 1956					
<i>Sphacelaria pennata</i> f. <i>patentissima</i> (Greville) D.E.G. Irvine 1956					
<i>Sphacelaria pennata</i> f. <i>septentrionalis</i> (Sauvageau) D.E.G. Irvine 1956					
<i>Sphacelaria pennata</i> var. <i>fusca</i> (Lyngbye) D.E.G. Irvine 1956					
<i>Sphacelaria pennata</i> var. <i>gracilis</i> Lyngbye 1819					
<i>Sphacelaria plumosa</i> var. <i>gracilis</i> (Lyngbye) C. Agardh 1828					
<i>Sphacelaria rhizophora</i> Kützing					
<i>Stypocaulon bipinnatum</i> Kützing 1855					
<i>Sphacelaria fusca</i> (Hudson) S.F. Gray 1821	X				
<i>Conferva fusca</i> Hudson 1762					
<i>Sphacelaria nana</i> Nägeli ex Kützing 1855				X	
<i>Sphacelaria britannica</i> Sauvageau 1901					
<i>Sphacelaria olivacea</i> Pringsheim					
<i>Sphacelaria saxatilis</i> (Kuckuck) Kuckuck ex Sauvageau 1900					
<i>Sphacelaria plumigera</i> Holmes ex Hauck 1884					X
<i>Sphacelaria plumigera</i> var. <i>patentissima</i> Sauvageau 1903					
<i>Sphacelaria racemosa</i> f. <i>pinnata</i> Reinke 1892					
<i>Sphacelaria plumosa</i> Lyngbye 1819	X			X	X
<i>Ceramium pennatum</i> Hornemann nom. illeg. 1813					
<i>Chaetopterus plumosa</i> (Lyngbye) Kützing 1843					
<i>Cladostephus plumosus</i> (Lyngbye) Fries 1835					
<i>Sphacelaria heteronema</i> Postels & Ruprecht nom. nud. 1840					
<i>Sphacelaria plumosa</i> var. <i>divaricata</i> Lyngbye 1819					
<i>Sphacelaria plumula</i> Zanardini 1865	X				
<i>Sphacelaria racemosa</i> Greville 1824	X				
<i>Sphacelaria radicans</i> (Dillwyn) C. Agardh 1824	X			X	X
<i>Conferva olivacea</i> Dillwyn 1809					
<i>Conferva radicans</i> Dillwyn 1809					
<i>Sphacelaria cirrosa</i> [<i>cirrhosa</i>] var. <i>simplex</i> C. Agardh 1828					
<i>Sphacelaria olivacea</i> (Dillwyn) Greville 1824					
<i>Sphacelaria olivacea</i> var. <i>radicans</i> (Dillwyn) J. Agardh 1848					
<i>Sphacelaria radicans</i> f. <i>aegagropila</i> Hylmö nom. nud. 1916					
<i>Sphacelaria reticulata</i> Lyngbye in Hornemann 1818				X	X
<i>Disphacella reticulata</i> (Lyngbye) Sauvageau 1903					
<i>Sphacelaria cirrosa</i> [<i>cirrhosa</i>] var. <i>reticulata</i> (Lyngbye) C. Agardh 1824					
<i>Sphacelaria rigidula</i> Kützing 1843	X				
<i>Sphacelaria apicalis</i> Takamatsu 1943					
<i>Sphacelaria caespitosa</i> Takamatsu 1943					
<i>Sphacelaria expansa</i> Noda 1969					
<i>Sphacelaria furcigera</i> Kützing 1855					
<i>Sphacelaria iridaeophytica</i> Nagai 1932					
<i>Sphacelaria iwagaskensis</i> Noda 1970					
<i>Sphacelaria linearis</i> Takamatsu 1943					
<i>Sphacelaria variabilis</i> Sauvageau 1901					
<i>Sphacelaria solitaria</i> (Pringsheim) Kylin 1947	X				
<i>Sphacelaria divaricata</i> f. <i>japonica</i> Takamatsu 1943					
<i>Sphacelaria furcigera</i> var. <i>saxatilis</i> Kuckuck 1897					
<i>Sphacelaria olivacea</i> var. <i>solitaria</i> Pringsheim 1874					
<i>Sphacelaria shiiaensis</i> Noda 1974					
<i>Sphacelaria viridis</i> Takamatsu 1943					
<i>Sphacelaria tribuloides</i> Meneghini 1840	X				
<i>Sphacelaria mexicana</i> W.R. Taylor 1945					
<i>Sphacelaria rigida</i> Hering 1846					

Taxon	1	2	3	4	5
Stypocaulaceae					
<i>Stypocaulon scoparium</i> (Linnaeus) Kützing 1843				X	
<i>Conferva scoparia</i> Linnaeus 1758					
<i>Halopteris scoparia</i> (Linnaeus) Sauvageau 1904					
<i>Halopteris scoparia</i> f. <i>spinulosa</i> (Lyngbye) Rueness 1977					
<i>Halopteris spinulosa</i> (Lyngbye) Sauvageau 1904					
<i>Halopteris spinulosa</i> var. <i>patentissima</i> Sauvageau 1904					
<i>Sphacelaria scoparia</i> (Linnaeus) Lyngbye 1819					
<i>Sphacelaria scoparia</i> f. <i>aestivalis</i> (J.Agardh) Areschoug 1850					
<i>Sphacelaria scoparia</i> f. <i>hiemalis</i> (J.Agardh) Areschoug 1850					
<i>Sphacelaria scoparia</i> var. <i>aestivalis</i> J. Agardh 1842					
<i>Sphacelaria scoparia</i> var. <i>hiemalis</i> J. Agardh 1842					
<i>Sphacelaria scoparioides</i> Lyngbye 1819					
<i>Sphacelaria spinulosa</i> Lyngbye 1819					
<i>Stypocaulon scoparium</i> f. <i>petentissimum</i> (Sauvageau) Lund 1950					
<i>Stypocaulon scoparium</i> f. <i>spinulosum</i> (Lyngbye) Reinke 1892					
<i>Stypocaulon scoparium</i> var. <i>scoparioides</i> (Lyngbye) Holmes & Batters 1891					
<i>Stypocaulon spinulosum</i> (Lyngbye) Prud'homme van Reine					
Sporochnales, Sporochnaceae					
<i>Sporochnus pedunculatus</i> (Hudson) C. Agardh 1820		X			
<i>Fucus pedunculatus</i> Hudson 1778					
Tilopteridales, Halosiphonaceae					
<i>Halosiphon tomentosus</i> (Lyngbye) Jaasund 1957					
<i>Chorda abbreviata</i> Areschoug 1875					
<i>Chorda filum</i> f. <i>abbreviata</i> (Areschoug) A.Zinova 1953					
<i>Chorda filum</i> var. <i>tomentosa</i> (Lyngbye) Areschoug 1847					
<i>Chorda tomentosa</i> f. <i>subfulva</i> Foslie 1890					
<i>Chorda tomentosa</i> var. <i>subfulva</i> (Foslie) Lily Newton 1931					
<i>Halosiphon altae</i> Jaasund 1957					
<i>Scytosiphon filum</i> var. <i>tomentosus</i> (Lyngbye) C. Agardh 1820					
Phyllariaceae					
<i>Saccorhiza polyschides</i> (Lightfoot) Batters 1902		X			
<i>Alaria pylaiei</i> var. <i>grandifolia</i> (J. Agardh) Jónsson 1904					
<i>Fucus bulbosus</i> Hudson nom. illeg. 1778					
<i>Fucus polyschides</i> Lightfoot 1777					
<i>Haligenia bulbosa</i> Decaisne 1842					
<i>Laminaria blossevillei</i> Bory de Saint-Vincent 1838					
<i>Laminaria bulbosa</i> J.V. Lamouroux 1813					
<i>Saccorhiza bulbosa</i> J. Agardh nom. illeg. 1848					
<i>Ulva bulbosa</i> A.P. de Candolle 1805					
Tilopteridaceae					
<i>Haplospora globosa</i> Kjellman 1872		X		X	X
<i>Capsicarpella speciosa</i> Kjellman 1872					
<i>Scaphospora arctica</i> Kjellman 1877					
<i>Scaphospora speciosa</i> (Kjellman) Kjellman 1878					
<i>Tilopteris mertensii</i> (Turner) Kützing 1849		X			
<i>Conferva mertensi</i> Turner 1801					
<i>Ectocarpus mertensi</i> (Turner) C. Agardh 1828					
Xanthophyceae, Vaucheriales, Vaucheriaceae					
<i>Vaucheria compacta</i> (F.S. Collins) F.S. Collins ex W.R. Taylor in Taylor 1937					X
<i>Vaucheria piloboloides</i> var. <i>Compacta</i> F.S Collins 1900					
<i>Vaucheria sphaerospora</i> var. <i>dioica</i> Rosenvinge 1879					
<i>Vaucheria coronata</i> Nordstedt 1879				X	
<i>Vaucheria dichotoma</i> (Linnaeus) Martius 1817				X	X
<i>Conferva dichotoma</i> Linnaeus 1753					
<i>Vaucheria pyrifera</i> Kützing 1843					
<i>Vaucheria starmachii</i> Kadlubowska nom. illeg. 1972					

Taxon	1	2	3	4	5
<i>Vaucheria dichotoma</i> f. <i>marina</i> Hauck				X	
<i>Vaucheria fontinalis</i> (Linnaeus) Christensen 1868					X
<i>Conferva fontinalis</i> Linnaeus 1753					
<i>Ectosperma clavata</i> Vaucher 1803					
<i>Vaucheria clavata</i> (Vaucher) A.P. de Candolle 1805					
<i>Vaucheria ornithocephala</i> C. Agardh 1817					
<i>Vaucheria polysperma</i> Hassall 1843					
<i>Vaucheria intermedia</i> Nordstedt 1879					X
<i>Vaucheria litorea</i> Hofman & Agardh ex C. Agardh 1823				X	X
<i>Vaucheria medusa</i> T.A. Christensen 1952					X
<i>Vaucheria subsimplex</i> P.L. Crouan & H.M. Crouan 1867		X		X	
<i>Vaucheria sphaerospora</i> Nordstedt 1878					
<i>Vaucheria synandra</i> Woronin 1869				X	X
<i>Vaucheria velutina</i> C. Agardh 1824					X
<i>Vaucheria thuretii</i> Woronin 1869					
Rhodophyta, Bangiophyceae, Bangiales, Bangiaceae					
<i>Bangia fuscopurpurea</i> (Dillwyn) Lyngbye 1819	X			X	X
<i>Bangia arctica</i> Foslie 1881					
<i>Bangia atropurpurea</i> var. <i>fuscopurpurea</i> (Dillwyn) C. Agardh 1824					
<i>Bangia crispa</i> Lyngbye in Hornemann 1818					
<i>Bangia lejolisii</i> De Notaris 1863					
<i>Bangia pumila</i> Areschoug 1862					
<i>Bangia versicolor</i> Kützing 1843					
<i>Bangia virescens</i> Foslie 1890					
<i>Bangiella crispa</i> (Lyngbye) Gaillon nom. illeg. 1833					
<i>Bangiella fuscopurpurea</i> (Dillwyn) Gaillon 1833					
<i>Conferva fuscopurpurea</i> Dillwyn 1807					
<i>Lyngbya fuscopurpurea</i> (Dillwyn) Hassall 1845					
<i>Phyllona pumila</i> (Areschoug) Kuntze 1891					
<i>Porphyra fuscopurpurea</i> (Dillwyn) P.L. Crouan & H.M. Crouan 1867					
<i>Porphyra lejolisii</i> (De Notaris) P.L. Crouan & H.M. Crouan 1867					
<i>Porphyra pumila</i> (Areschoug) P. Crouan & H. Crouan 1867					
<i>Bangiadulcis atropurpurea</i> (Roth) W.A. Nelson 2007	X	X	X	X	X
<i>Bangia atropurpurea</i> (Roth) C. Agardh 1824					
<i>Bangia fuscopurpurea</i> var. <i>atropurpurea</i> (Roth) Lyngbye 1819					
<i>Bangia fuscopurpurea</i> var. <i>crispa</i> (Hornemann) Kjellman 1880					
<i>Bangia fuscopurpurea</i> var. <i>lejolisii</i> (De Notaris) Rabenhorst 1868					
<i>Bangia fuscopurpurea</i> var. <i>pumila</i> (Areschoug) Rabenhorst 1868					
<i>Bangiella atropurpurea</i> (Roth) Gaillon 1833					
<i>Conferva atropurpurea</i> Roth 1806					
<i>Oscillatoria atropurpurea</i> (Roth) C. Agardh 1817					
<i>Porphyra dioica</i> J. Brodie & L.M. Irvine 1997	X				
<i>Porphyra laciniata</i> C. Agardh 1824	X			X	
<i>Porphyra leucosticta</i> Thuret in Le Jolis 1863	X			X	
<i>Phyllona atropurpurea</i> (Olivi) Kuntze 1898					
<i>Phyllona coriacea</i> (Zanardini) Kuntze 1891					
<i>Phyllona vermicellifera</i> (Kützing) Kuntze 1891					
<i>Porphyra elongata</i> (Areschoug) Kylin 1907					
<i>Porphyra laciniata</i> var. <i>elongata</i> Areschoug nom. invalid. 1862					
<i>Porphyra vermicellifera</i> Kützing 1843					
<i>Porphyra linearis</i> Greville 1830	X				
<i>Phyllona linearis</i> (Greville) Kuntze 1891					
<i>Porphyra hiemalis</i> Kylin 1907					
<i>Porphyra laciniata</i> f. <i>linearis</i> (Greville) Kleen 1874					
<i>Porphyra umbilicalis</i> f. <i>linearis</i> (Greville) Rosenvinge 1909					
<i>Porphyra umbilicalis</i> var. <i>linearis</i> Thuret					
<i>Ulva purpurea</i> var. <i>elongata</i> Lyngbye 1819					
<i>Wildemanian laciniata</i> var. <i>linearis</i> (Greville) Malard ex Chalon 1905					
<i>Wildemanian linearis</i> (Greville) De Toni 1897					

Taxon	1	2	3	4	5
<i>Porphyra ochotensis</i> Nagai 1941	X	X	X		
<i>Porphyra purpurea</i> (Roth) C. Agardh 1824	X	X	X		
<i>Phyllona purpurea</i> (Roth) Wallroth 1833					
<i>Porphyra amethystea</i> Kützing 1843					
<i>Porphyra purpureo-violacea</i> (Roth) V. Krishnamurthy 1972					
<i>Porphyra rediviva</i> J.W. Stiller & J.R. Waaland 1996					
<i>Porphyra vulgaris</i> C. Agardh nom. illeg. 1827					
<i>Ulva purpurea</i> Roth 1797					
<i>Ulva purpureo-violacea</i> Roth nom. rejic. 1788					
<i>Ulva umbilicalis</i> var. <i>purpurea</i> (Roth) Wahlenberg 1812					
<i>Porphyra umbilicalis</i> (Linnaeus) Kützing 1843	X	X	X		
<i>Porphyra insolita</i> P. Kornmann & P.-H. Sahling 1991					
<i>Porphyra umbilicalis</i> (Linnaeus) J. Agardh 1883					
<i>Porphyra umbilicalis</i> f. <i>epiphytica</i> F.S. Collins 1903					
<i>Porphyra umbilicalis</i> var. <i>vulgaris</i> Ruprecht 1850					
<i>Ulva umbilicalis</i> Linnaeus 1753					
<i>Wildemaniania laciniata</i> (Lightfoot) DeToni 1892					
<i>Wildemaniania laciniata</i> var. <i>umbilicalis</i> (Linnaeus) Malard ex Chalon 1905					
<i>Porphyra yezoensis</i> Ueda 1932					
<i>Porphyra paleola</i> M. Noda nom. inval. 1964					
Compsopogonophyceae, Erythropeltidales, Erythrotrichiaceae					
<i>Erythrocladia irregularis</i> Rosenvinge 1909	X				
<i>Erythropeltis discigera</i> (Berthold) F. Schmitz in Schmitz & Hauptfleisch 1896	X				
<i>Erythrotrichia discigera</i> Berthold 1882					
<i>Erythrotrichia carnea</i> (Dillwyn) J. Agardh 1883	X	X	X	X	
<i>Bangia ciliaris</i> subsp. <i>pulchella</i> (Harvey) De Toni 1897					
<i>Bangia pulchella</i> Harvey 1859					
<i>Ceramicola rubra</i> Ørsted 1844					
<i>Ceramium ceramicola</i> (Lyngbye) Hornemann 1836					
<i>Conferva carnea</i> Dillwyn 1807					
<i>Conferva ceramicola</i> Lyngbye 1819					
<i>Erythrocladia carnea</i>					
<i>Erythrotrichia australis</i> Levring 1953					
<i>Erythrotrichia biseriata</i> Tanaka 1944					
<i>Erythrotrichia ceramicola</i> (Lyngbye) Areschoug 1850					
<i>Erythrotrichia filibasalis</i> Noda 1987					
<i>Erythrotrichia pulvinata</i> N.L. Gardner 1927					
<i>Erythrotrichia reflexa</i> (P.L. Crouan & H.M. Crouan) Thuret ex De Toni 1897	X	X			
<i>Bangia reflexa</i> P.L. Crouan & H.M. Crouan 1852					
<i>Diadema reflexa</i> (P.L. Crouan & H.M. Crouan) Kuntze 1891					
<i>Porphyra reflexa</i> (P. Crouan & H. Crouan) P. Crouan & H. Crouan 1867					
<i>Porphyrostromium reflexa</i> (P.L. Crouan & H.M. Crouan) M.J. Wynne					
<i>Porphyropsis imperfecta</i> Kornmann & Sahling 1985	X				
<i>Porphyrostromium ciliare</i> (Carmichael) M.J. Wynne 1986	X				
<i>Bangia ciliaris</i> Carmichael 1833					
<i>Diadema ciliaris</i> (Carmichael) Kuntze 1891					
<i>Erythrotrichia ciliaris</i> (Carmichael) Thuret 1854					
<i>Erythrotrichia obscura</i> Berthold 1882					
<i>Erythrotrichopeltis ciliaris</i> (Carmichael) Kornmann					
<i>Porphyra ciliaris</i> (Carmichael) P. Crouan & H. Crouan 1867					
<i>Sahlingia subintegra</i> (Rosenvinge) Kornmann 1989	X				
<i>Erythrocladia gibber</i> P.J.L. Dangeard 1968					
<i>Erythrocladia irregularis</i> f. <i>subintegra</i> (Rosenvinge) Garbary, Hansen & Scagel 1981					
<i>Erythrocladia subintegra</i> Rosenvinge 1909					
<i>Erythropeltis subintegra</i> (Rosenvinge) Kornmann & Sahling 1985					
<i>Erythrotrichopeltis subintegra</i> (Rosenvinge) Kornmann & Sahling 1985					

Taxon	1	2	3	4	5
Florideophyceae, Acrochaetiales, Acrochaetiaceae					
<i>Acrochaetium balticum</i> (Rosenvinge) Aleem & Schulz 1952				X	
<i>Audouinella baltica</i> (Rosenvinge) Garbary 1979					
<i>Chantransia baltica</i> Rosenvinge 1909					
<i>Chromastrum balticum</i> (Rosenvinge) Papenfuss 1945					
<i>Kylinia baltica</i> (Rosenvinge) Papenfuss 1947					
<i>Acrochaetium efflorescens</i> (J. Agardh) Nägeli 1861				X	X
<i>Audouinella efflorescens</i> (J. Agardh) Papenfuss 1945					
<i>Callithamnion efflorescens</i> J. Agardh 1851					
<i>Chantransia efflorescens</i> (J. Agardh) Kjellman 1875					
<i>Chantransia efflorescens</i> f. <i>tenuis</i> Kjellman 1883					
<i>Grania efflorescens</i> (J. Agardh) Kylin 1944					
<i>Rhodochorton chantransioides</i> Reinke 1889					
<i>Rhodochorton efflorescens</i> (J. Agardh) K.M. Drew 1928					
<i>Acrochaetium minimum</i> F.S. Collins 1908				X	
<i>Audouinella emergens</i> (Rosenvinge) P.S. Dixon in Parke & P.S. Dixon 1976					
<i>Audouinella minima</i> (Collins) G.R. South 1984					
<i>Chantransia emergens</i> Rosenvinge 1909					
<i>Colaconema minimum</i> (Collins) Woelkerling 1973					
<i>Acrochaetium minutum</i> (Suhr) G. Hamel 1927					
<i>Acrochaetium minutissimum</i> (Kützing) Nägeli 1862					
<i>Audouinella minuta</i> (Suhr) G.R. South & Tittley 1986					
<i>Callithamnion minutissimum</i> Kützing 1849					
<i>Callithamnion minutum</i> Suhr 1831					
<i>Rhodochorton minutum</i> (Suhr) Reinke 1892					
<i>Acrochaetium moniliforme</i> (Rosenvinge) Børgesen 1915				X	X
<i>Acrochaetium mahumetanum</i> G. Hamel 1927					
<i>Audouinella moniliformis</i> (Rosenvinge) Garbary 1979					
<i>Chantransia moniliformis</i> Rosenvinge 1909					
<i>Chromastrum moniliforme</i> (Rosenvinge) Papenfuss 1945					
<i>Kylinia moniliformis</i> (Rosenvinge) Kylin 1944					
<i>Rhodochorton moniliforme</i> (Rosenvinge) Drew 1928					
<i>Acrochaetium nemalii</i> (De Notaris ex L. Dufour) Bornet				X	
<i>Audouinella nemalii</i> (De Notaris ex L. Dufour) P.S. Dixon 1976					
<i>Callithamnion nemalii</i> De Notaris ex L. Dufour 1863					
<i>Chantransia nemalii</i> (De Notaris ex L. Dufour) Ardissonne & Strafforello 1877					
<i>Chantransia thureti</i> var. <i>amphicarpa</i> Rosenvinge 1909					
<i>Colaconema nemalii</i> (De Notaris ex L. Dufour) Stegenga 1985					
<i>Acrochaetium parvulum</i> (Kylin) Hoyt 1920				X	X
<i>Audouinella parvula</i> (Kylin) P.S. Dixon in Parke & Dixon 1976					
<i>Chantransia hallandica</i> var. <i>parvula</i> (Kylin) Rosenvinge 1909					
<i>Chantransia parvula</i> Kylin 1906					
<i>Chromastrum parvulum</i> (Kylin) Papenfuss 1945					
<i>Kylinia parvula</i> (Kylin) Kylin 1944					
<i>Rhodochorton parvulum</i> (Kylin) Drew 1928					
<i>Acrochaetium reductum</i> (Rosenvinge) G. Hamel 1927				X	
<i>Acrochaetium kylinoides</i> Feldmann 1958					
<i>Audouinella kylinoides</i> (Feldmann) Dizerbo 2007					
<i>Audouinella reducta</i> (Rosenvinge) Garbary 1979					
<i>Chantransia reducta</i> Rosenvinge 1909					
<i>Chromastrum kylinoides</i> (Feldmann) Stegenga & Van Wissen 1979					
<i>Chromastrum reductum</i> (Rosenvinge) Stegenga & Van Wissen 1979					
<i>Kylinia kylinoides</i> (Feldmann) Pankow 1971					
<i>Acrochaetium rosulatum</i> (Rosenvinge) Papenfuss 1945					X
<i>Audouinella rosulata</i> (Rosenvinge) P.S. Dixon in Parke & P.S. Dixon 1976					
<i>Kylinia rosulata</i> Rosenvinge 1909					
<i>Acrochaetium secundatum</i> (Lyngbye) Nägeli in Nägeli & Cramer 1862	X	X	X	X	X
<i>Acrochaetium luxurians</i> f. <i>secundatum</i> (Lyngbye) Thuret					
<i>Acrochaetium virgatulum</i> f. <i>secundatum</i> (Lyngbye) Hamel 1927					
<i>Audouinella secundata</i> (Lyngbye) P.S. Dixon 1976					

Taxon	1	2	3	4	5
<i>Audouinella secundata</i> (Lyngbye) Woelkerling 1973					
<i>Callithamnion byssaceum</i> Kützing 1843					
<i>Callithamnion daviesii</i> var. <i>secundatum</i> Lyngbye 1819					
<i>Callithamnion secundatum</i> (Lyngbye) Agardh 1828					
<i>Callithamnion virgatulum</i> Harvey 1833					
<i>Ceramium secundatum</i> (Lyngbye) C. Agardh nom. illeg. 1824					
<i>Chantransia secundata</i> (Lyngbye) Thuret in Le Jolis 1863					
<i>Chantransia virgatula</i> (Harvey) Thuret 1863					
<i>Chantransia virgatula</i> f. <i>secundata</i> (Lyngbye) Rosenvinge 1909					
<i>Chantransia virgatula</i> subsp. <i>secundata</i> (Lyngbye) Printz 1926					
<i>Chromastrum secundatum</i> (Lyngbye) Papenfuss 1945					
<i>Colaconema secundatum</i> (Lyngbye) Woelkerling 1973					
<i>Kylinia secundata</i> (Lyngbye) Papenfuss 1947					
<i>Trentepohlia secundata</i> (Lyngbye) Harvey 1836					
<i>Acrochaetium seiriolanum</i> (Gibson) Rosenvinge 1924	X				
<i>Audouinella seiriolana</i> (Gibson) P.S. Dixon 1976					
<i>Rhodochorton seiriolanum</i> Gibson 1891					
<i>Acrochaetium virgatulum</i> (Harvey) Batters 1902	X	X	X	X	
<i>Acrochaetium luxurians</i> (J. Agardh ex Kützing) Nägeli 1861					
<i>Acrochaetium rhipidandrum</i> (Rosenvinge) G. Hamel 1927					
<i>Acrochaetium virgatulum</i> f. <i>luxurians</i> (J. Agardh ex Kützing) F.S. Collins					
<i>Acrochaetium virgatulum</i> f. <i>luxurians</i> (J. Agardh) Collins					
<i>Acrochaetium virgatulum</i> f. <i>tetricum</i> (Rosenvinge) G. Hamel 1927					
<i>Acrochaetium virgatulum</i> var. <i>luxurians</i> (J. Agardh ex Kützing) ?					
<i>Acrochaetium virgatulum</i> var. <i>tetricum</i> (Rosenvinge) Celan					
<i>Audouinella rhipidandra</i> (Rosenvinge) P.S. Dixon 1976					
<i>Audouinella virgatula</i> (Harvey) P.S. Dixon in Parke & P.S. Dixon 1976					
<i>Callithamnion luxurians</i> J. Agardh ex Kützing 1849					
<i>Chantransia luxurians</i> (J. Agardh) Kjellman 1880					
<i>Chantransia rhipidandra</i> Rosenvinge 1909					
<i>Chantransia virgatula</i> f. <i>farlowi</i> Kjellman 1883					
<i>Chantransia virgatula</i> f. <i>luxurians</i> (J. Agardh) Rosenvinge 1909					
<i>Chromastrum rhipidandrum</i> (Rosenvinge) Papenfuss 1945					
<i>Chromastrum secundatum</i> f. <i>virgatulum</i> (Harvey) Papenfuss					
<i>Chromastrum virgatulum</i> (Harvey) Papenfuss 1945					
<i>Kylinia rhipidandra</i> (Rosenvinge) Kylin					
<i>Kylinia virgatula</i> (Harvey) Papenfuss 1947					
<i>Kylinia virgatula</i> f. <i>luxurians</i> (J. Agardh) F.S. Collins					
<i>Rhodochorton rhipidandrum</i> (Rosenvinge) Drew					
<i>Rhodochorton virgatulum</i> (Harvey) Drew 1928					
<i>Kylinia humilis</i> (Rosenvinge) Papenfuss				X	
<i>Kylinia kylinioides</i> (Feldmann) Pankow					X
<i>Rhodochorton purpureum</i> (Lightfoot) Rosenvinge 1900	X		X	X	X
<i>Audouinella islandica</i> (Rosenvinge) G.R. South & Tittley 1986					
<i>Audouinella purpurea</i> (Lightfoot) Woelkerling 1973					
<i>Byssus purpurea</i> Lightfoot 1777					
<i>Byssus rubra</i> Hudson 1778					
<i>Callithamnion purpureum</i> (Lightfoot) Harvey 1841					
<i>Callithamnion rothi</i> (Turton) Lyngbye 1819					
<i>Ceramium rothi</i> (Turton) Berkeley 1833					
<i>Conferva purpurea</i> (Lightfoot) Dillwyn 1802					
<i>Conferva rothi</i> Turton 1806					
<i>Conferva violacea</i> Roth 1797					
<i>Rhodochorton bisporiferum</i> Baardseth 1941					
<i>Rhodochorton intermedium</i> (Kjellman) Kjellman 1883					
<i>Rhodochorton islandicum</i> Rosenvinge 1900					
<i>Rhodochorton parasiticum</i> Batters 1896					
<i>Rhodochorton purpureum</i> f. <i>intermedium</i> (Kjellman) Lund 1959					
<i>Rhodochorton purpureum</i> f. <i>rothi</i> (Turton) Lund 1959					
<i>Rhodochorton rothii</i> (Turton) Nägeli 1862					
<i>Rhodochorton tenue</i> Kylin 1925					

Taxon	1	2	3	4	5
<i>Thamnidium intermedium</i> Kjellman 1875					
<i>Thamnidium rothi</i> (Turton) Thuret 1863					
<i>Thamnidium rothii</i> (Turton) Thuret 1863					
<i>Trentepohlia purpurea</i> (Lightfoot) C. Agardh 1824					
<i>Trentepohlia rothi</i> (Turton) Harvey in Mackay 1836					
Ahnfeltiales, Ahnfeltiaceae					
<i>Ahnfeltia plicata</i> (Hudson) Fries 1836	X	X	X	X	X
<i>Ahnfeltia plicata</i> f. <i>pumila</i> Lakowitz 1907					
<i>Ahnfeltia plicata</i> f. <i>tenuior</i> (Lyngbye) Rosenvinge 1931					
<i>Ahnfeltia plicata</i> f. <i>tenuis</i> (C. Agardh) Levring 1940					
<i>Fucus albus</i> Hudson 1762					
<i>Fucus plicatus</i> Esper 1798					
<i>Fucus plicatus</i> var. <i>simplicior</i> C. Agardh 1810					
<i>Gigartina confervoides</i> var. <i>plicata</i> (Esper) Lyngbye 1819					
<i>Gigartina plicata</i> (Hudson) J.V. Lamouroux					
<i>Gigartina plicata</i> var. <i>simplicior</i> Lyngbye 1819					
<i>Gigartina plicata</i> var. <i>tenuior</i> Lyngbye 1819					
<i>Gymnogongrus comosus</i> Kützing 1869					
<i>Gymnogongrus plicatus</i> (Hudson) Kützing					
<i>Porphyrodiscus simulans</i> Batters 1897					
<i>Sphaerococcus plicatus</i> (Hudson) C. Agardh 1817					
<i>Sphaerococcus plicatus</i> var. <i>elongatus</i> (Turner) C. Agardh 1817					
<i>Sphaerococcus plicatus</i> var. <i>simplicior</i> (C. Agardh) C. Agardh 1817					
<i>Sphaerococcus plicatus</i> var. <i>tenuis</i> C. Agardh 1817					
<i>Sterrocolax decipiens</i> F. Schmitz 1893					
Floridophyceae, Bonnemaisoniales, Bonnemaisoniaceae					
<i>Bonnemaisonia hamifera</i> Hariot 1891	X	X	X		
<i>Asparagopsis hamifera</i> (Hariot) Okamura 1921					
<i>Trailiella intricata</i> Batters 1896					
Naccariaceae					
<i>Naccaria wiggii</i> (Turner) Endlicher 1836	X				
<i>Fucus wiggii</i> D. Turner					
<i>Fucus wiggii</i> Turner 1802					
<i>Naccaria gelatinosa</i> J. Agardh 1863					
<i>Naccaria vidovichii</i> Meneghini 1844					
Ceramiales, Ceramiaceae					
<i>Aglaothamnion hookeri</i> (Dillwyn) Maggs & Hommersand 1993	X			X	
<i>Aglaothamnion brodiei</i> (Harvey) Feldmann-Mazoyer 1941					
<i>Aglaothamnion polyspermum</i> (C. Agardh) Parke 1943					
<i>Aglaothamnion polyspermum</i> var. <i>scopulorum</i> (C. Agardh) Halos					
<i>Aglaothamnion scopulorum</i> (C. Agardh) Feldmann-Mazoyer					
<i>Callithamnion brodiei</i> Harvey 1833					
<i>Callithamnion grevillei</i> Harvey 1833					
<i>Callithamnion hookeri</i> (Dillwyn) S.F. Gray 1821					
<i>Callithamnion hookeri</i> f. <i>areschoughi</i> Rosenvinge 1924					
<i>Callithamnion hookeri</i> f. <i>elongatum</i> Kylin 1907					
<i>Callithamnion polyspermum</i> C. Agardh 1828					
<i>Callithamnion pyramidatum</i> Liebmann 1839					
<i>Callithamnion roseum</i> var. <i>tenue</i> Lyngbye 1819					
<i>Callithamnion scopulorum</i> C. Agardh 1828					
<i>Callithamnion spinosum</i> Harvey 1833					
<i>Ceramium scopulorum</i> C. Agardh 1824					
<i>Conferva hookeri</i> Dillwyn 1809					
<i>Aglaothamnion roseum</i> (Roth) Maggs & L'Hardy-Halos 1993			X	X	X
<i>Callithamnion roseum</i> (Roth) Lyngbye 1819					
<i>Ceramium roseum</i> Roth 1798					
<i>Conferva rosea</i> (Roth) J.E. Smith 1802					
<i>Aglaothamnion tenuissimum</i> (Bonnemaisson) Feldmann-Mazoyer 1941				X	X
<i>Aglaothamnion byssoides</i> (Arnott ex Harvey)					
C.F. Boudouresque & M.M. Perret-Boudouresque 1987					

Taxon	1	2	3	4	5
<i>Aglaothamnion furcellariae</i> (J. Agardh) Feldmann-Mazoyer 1941					
<i>Callithamnion arachnoideum</i> C. Agardh 1828					
<i>Callithamnion arnottii</i> Trevisan nom. illeg. 1845					
<i>Callithamnion byssoides</i> Arnott ex Harvey 1833					
<i>Callithamnion byssoides</i> Arnott ex Harvey in W.J.Hooker 1833					
<i>Callithamnion furcellariae</i> J. Agardh 1851					
<i>Callithamnion hiemale</i> Kjellman ex Kylin 1907					
<i>Callithamnion tenuissimum</i> (Bonnemaison) Kützing 1849					
<i>Ceramium tenuissimum</i> Bonnemaison 1828					
<i>Antithamnion cruciatum</i> (C. Agardh) Nägeli 1847	X				
<i>Antithamnion cruciatum</i> f. <i>radicans</i> (J. Agardh) Hauck 1882					
<i>Antithamnion cruciatum</i> var. <i>profundum</i> Feldmann-Mazoyer 1941					
<i>Antithamnion cruciatum</i> var. <i>pumilum</i> (Harvey) Reinke 1891					
<i>Antithamnion cruciatum</i> var. <i>radicans</i> (J. Agardh) F.S. Collins 1900					
<i>Antithamnion cruciatum</i> var. <i>tenerum</i> Schiffner					
<i>Callithamnion cruciatum</i> C. Agardh 1827					
<i>Callithamnion cruciatum</i> f. <i>radicans</i> (J. Agardh) Rosenvinge 1924					
<i>Callithamnion cruciatum</i> var. <i>majus</i> J. Agardh					
<i>Callithamnion cruciatum</i> var. <i>pumilum</i> (Harvey) Harvey 1841					
<i>Callithamnion cruciatum</i> var. <i>radicans</i> J. Agardh 1841					
<i>Callithamnion imbricatum</i> Schousboe ex Suhr 1840					
<i>Callithamnion pumilum</i> Harvey 1833					
<i>Antithamnionella floccosa</i> (O.F. Müller) Whittick 1980	X				
<i>Antithamnion floccosum</i> (O.F. Müller) Kleen 1874					
<i>Antithamnion floccosum</i> f. <i>atlanticum</i> (J. Agardh) Kjellman 1883					
<i>Antithamnion plumula</i> var. <i>floccosum</i> Rosenvinge 1893					
<i>Callithamnion floccosum</i> (O.F. Müller) C. Agardh 1828					
<i>Callithamnion floccosum</i> var. <i>atlanticum</i> J. Agardh 1876					
<i>Callithamnion floccosum</i> var. <i>pusillum</i> (Lyngbye) J. Agardh 1851					
<i>Callithamnion plumula</i> var. <i>pusillum</i> Lyngbye 1819					
<i>Callithamnion pollexfenii</i> Harvey 1844					
<i>Conferva floccosa</i> O.F. Müller 1780					
<i>Pterothamnion floccosum</i> (O.F. Müller) Nägeli 1862					
<i>Antithamnionella ternifolia</i> (J.D. Hooker & Harvey) Lyle 1922	X				
<i>Antithamnion sarniensis</i> (Lyle) Feldmann-Mazoyer 1941					
<i>Antithamnion ternifolium</i> (J.D. Hooker & Harvey) De Toni 1903					
<i>Antithamnionella sarniensis</i> Lyle 1922					
<i>Antithamnionella tasmanica</i> Wollaston 1968					
<i>Callithamnion ternifolia</i> J.D. Hooker & Harvey 1845					
<i>Callithamnion corymbosum</i> (J.E. Smith) Lyngbye 1819		X	X	X	X
<i>Callithamnion versicolor</i> (C. Agardh) C. Agardh 1828					
<i>Ceramium pedicellatum</i> Hornemann 1818					
<i>Ceramium versicolor</i> C. Agardh 1824					
<i>Conferva corymbosa</i> J.E. Smith 1812					
<i>Phlebothamnion versicolor</i> (C. Agardh) Kützing					
<i>Callithamnion repens</i> (Dillwyn) Lyngbye 1819	X				
<i>Conferva repens</i> Dillwyn 1802					
<i>Callithamnion tetragonum</i> (Withering) S.F. Gray 1821	X		X		
<i>Callithamnion affine</i> Harvey 1853					
<i>Callithamnion baileyi</i> Harvey 1853					
<i>Callithamnion baileyi</i> var. <i>boreale</i> Harvey 1853					
<i>Callithamnion baileyi</i> var. <i>laxa</i> Farlow 1881					
<i>Callithamnion baileyi</i> var. <i>rochei</i> Harvey 1853					
<i>Callithamnion baileyi</i> var. <i>squarrosa</i> Harvey 1853					
<i>Callithamnion brachiatum</i> (Bonnemaison) Harvey 1847					
<i>Callithamnion fruticosum</i> J. Agardh 1841					
<i>Callithamnion spiniferum</i> Kylin 1907					
<i>Callithamnion tetragonum</i> f. <i>brachiatum</i> (Bonnemaison) Gran 1897					
<i>Callithamnion tetragonum</i> var. <i>brachiatum</i> (Bonnemaison) J. Agardh					
<i>Callithamnion tetragonum</i> var. <i>fruticosum</i> (J. Agardh) Rosenvinge 1924					
<i>Ceramium brachiatum</i> Bonnemaison nom. illeg. 1822					

Taxon	1	2	3	4	5
<i>Ceramium tetragonum</i> (Withering) C. Agardh 1817					
<i>Conferva tetragona</i> Withering 1796					
<i>Callithamnion tetricum</i> (Dillwyn) S.F. Gray 1821	X		X		
<i>Conferva tetrica</i> Dillwyn 1806					
<i>Dasythamnion tetricum</i> (Dillwyn) Nägeli					
<i>Ceramium deslongchampsii</i> Chauvin ex Duby 1830	X			X	X
<i>Ceramium agardhianum</i> Griffiths ex Harvey 1841					
<i>Ceramium diaphanum</i> var. <i>strictum</i> (Kützing) Feldmann-Mazoyer 1941					
<i>Ceramium patens</i> Meneghini 1844					
<i>Ceramium pellucidum</i> (Kützing) Zanardini nom. illeg. 1847					
<i>Ceramium strictum</i> (Kützing) Harvey 1849					
<i>Ceramium strictum</i> (Kützing) Rabenhorst nom. illeg. 1847					
<i>Gongroceras deslongchampsii</i> (Chauvin ex Duby) Kützing 1842					
<i>Gongroceras pellucidum</i> Kützing					
<i>Gongroceras strictum</i> Kützing 1842					
<i>Hormoceras catenula</i> Kützing 1847					
<i>Ceramium diaphanum</i> (Lightfoot) Roth 1806			X	X	X
<i>Boryna diaphana</i> (Lightfoot) Grateloup					
<i>Ceramium diaphanum</i> f. <i>medium</i> Sjöstedt 1928					
<i>Ceramium diaphanum</i> f. <i>modificatum</i> Petersen 1908					
<i>Ceramium diaphanum</i> f. <i>zosteriolum</i> Petersen 1908					
<i>Ceramium diaphanum</i> var. <i>tenuissimum</i> Roth 1806					
<i>Ceramium gracillimum</i> (Kützing) Zanardini nom. illeg. 1847					
<i>Ceramium nodosum</i> (Kützing) Griffiths & Harvey 1847					
<i>Ceramium pygmaeum</i> Schifffner					
<i>Ceramium tenuissimum</i> (Roth) Areschoug nom. illeg. 1847					
<i>Ceramium tenuissimum</i> var. <i>tenellum</i> G. Mazoyer					
<i>Conferva diaphana</i> Lightfoot 1777					
<i>Gongroceras nodiferum</i> Kützing 1849					
<i>Gongroceras tenuissimum</i> Kützing 1842					
<i>Hormoceras diaphanum</i> (Lightfoot) Kützing					
<i>Hormoceras gracillimum</i> Kützing 1842					
<i>Hormoceras nodosum</i> Kützing 1842					
<i>Ceramium echionotum</i> J. Agardh 1844					X
<i>Acanthoceras transcurrens</i> Kützing					
<i>Ceramium echionotum</i> var. <i>corticatum</i> Mazoyer					
<i>Ceramium echionotum</i> var. <i>transcurrens</i> (Kützing) Batters					
<i>Chaetoceras echionotum</i> (J. Agardh) Kützing					
<i>Ceramium siliquosum</i> (Kützing) Maggs & Hommersand 1993					X
<i>Ceramium elegans</i> f. <i>longiarticulata</i> Celan & Serbanescu					
<i>Ceramium elegans</i> var. <i>diaphanoideum</i> Celan & Serbanescu					
<i>Ceramium radiculosum</i> Grunow ex Hauck 1867					
<i>Hormoceras siliquosum</i> Kützing 1847					
<i>Ceramium tenuicorne</i> (Kützing) Waern 1949				X	X
<i>Ceramium arachnoideum</i> (C. Agardh) J. Agardh 1851					
<i>Ceramium circinnatum</i> f. <i>inferne-corticatum</i> Lakowitz 1907					
<i>Ceramium circinnatum</i> f. <i>spongiosum</i> Waern 1952					
<i>Ceramium corticatum</i> Kylin 1907					
<i>Ceramium diaphanum</i> f. <i>corticatulo-strictum</i> Kylin 1909					
<i>Ceramium diaphanum</i> f. <i>corticatum</i> (Kylin) Sjöstedt 1920					
<i>Ceramium diaphanum</i> f. <i>strictoides</i> H.E.Petersen 1908					
<i>Ceramium diaphanum</i> f. <i>strictum</i> (Harvey) Foslie 1893					
<i>Ceramium diaphanum</i> var. <i>arachnoideum</i> C. Agardh 1828					
<i>Ceramium gobii</i> Waern 1992					
<i>Ceramium gracillimum</i> Gobi 1877					
<i>Ceramium strictum</i> Harvey 1849					
<i>Ceramium strictum</i> f. <i>corticatulo-strictum</i> (Kylin) Sjöstedt 1928					
<i>Ceramium strictum</i> f. <i>stricto-tenuissimum</i> Petersen 1908					
<i>Ceramium strictum</i> f. <i>strictoides</i> (Petersen) Sjöstedt 1928					
<i>Ceramium strictum</i> f. <i>verum</i> Petersen 1908					
<i>Ceramium strictum</i> subsp. <i>tenuicorne</i> (Kützing) Rueness & Kornfeldt 1992					

Taxon	1	2	3	4	5
<i>Ceramium tenuissimum</i> var. <i>arachnoideum</i> (C.Agardh) Foslie 1893					
<i>Gongroceras tenuicorne</i> Kützing 1841					
<i>Ceramium virgatum</i> Roth 1797	X	X	X	X	X
<i>Boryna nodulosa</i> (Lightfoot) Grateloup					
<i>Ceramium flabelliferum</i> Kützing					
<i>Ceramium lanciferum</i> Kützing					
<i>Ceramium nobile</i> J. Agardh 1894					
<i>Ceramium nodulosum</i> (Lightfoot) Ducluzeau 1806					
<i>Ceramium pedicellatum</i> J. Agardh 1894					
<i>Ceramium repens</i> Zanardini 1847					
<i>Ceramium rubrum</i> C. Agardh 1811					
<i>Ceramium rubrum</i> f. <i>balticum</i> Petersen 1908					
<i>Ceramium rubrum</i> f. <i>divaricatum</i> Petersen 1908					
<i>Ceramium rubrum</i> f. <i>irregularis-subcorticatum</i> Petersen 1908					
<i>Ceramium rubrum</i> f. <i>modificatum</i> Petersen 1908					
<i>Ceramium rubrum</i> f. <i>proliferum</i> (C.Agardh) Kjellman 1883					
<i>Ceramium rubrum</i> f. <i>subtypicum</i> Petersen 1908					
<i>Ceramium rubrum</i> var. <i>liebethuthii</i> Grunow in Piccone 1844					
<i>Ceramium rubrum</i> var. <i>pallens</i> C. Agardh 1811					
<i>Ceramium rubrum</i> var. <i>proliferum</i> C. Agardh nom. illeg. 1824					
<i>Ceramium rubrum</i> var. <i>pygmaeum</i> Sonder 1848					
<i>Ceramium villosum</i> Kützing 1849					
<i>Conferva nodulosa</i> Lightfoot 1777					
<i>Conferva rubra</i> Hudson 1762					
<i>Pterothamnion plumula</i> (J. Ellis) Nägeli in Nägeli et C. E. Cramer 1855	X	X		X	
<i>Antithamnion plumula</i> (J. Ellis) Thuret in Le Jolis 1863					
<i>Antithamnion plumula</i> var. <i>demersum</i> L'Hardy-Halos 1968					
<i>Callithamnion plumula</i> (J. Ellis) Lyngbye 1819					
<i>Ceramium plumula</i> (J. Ellis) C. Agardh 1817					
<i>Conferva plumula</i> J. Ellis 1768					
<i>Platythamnion plumula</i> (J. Ellis) Boudouresque Belsher & Marcot					
<i>Scagelia pylaisaei</i> (Montagne) M.J. Wynne 1985					X
<i>Antithamnion boreale</i> var. <i>corallina</i> Sundene 1962					
<i>Antithamnion corallina</i> Kjellman 1877					
<i>Antithamnion plumula</i> var. <i>pylaisaei</i> (Montagne) Rosenvinge 1893					
<i>Antithamnion pylaisaei</i> (Montagne) Kjellman 1883					
<i>Antithamnion pylaisaei</i> f. <i>norvegica</i> Kjellman 1883					
<i>Callithamnion corallina</i> Ruprecht 1850					
<i>Callithamnion pylaisaei</i> Montagne 1837					
<i>Pterothamnion pylaisaei</i> (Montagne) Nägeli 1862					
<i>Scagelia corallina</i> (Kjellman) Yoshida 1981					
<i>Scagelia pylaisaei</i> f. <i>corallina</i> (Kjellman) Perestenko 1994					
<i>Scagelia pylaisaei</i> var. <i>corallina</i> (Sundene) Athanasiadis 1996					
<i>Wrangelia pylaisaei</i> (Montagne) J. Agardh 1863					
<i>Scagelothamnion pusillum</i> (Ruprecht) Athanasiadis 1996					X
<i>Antithamnion boreale</i> (Gobi) Kjellman 1883					
<i>Antithamnion boreale</i> f. <i>balticum</i> Reinke 1889					
<i>Antithamnion boreale</i> f. <i>corallinum</i> (Kjellman) Kjellman 1883					
<i>Antithamnion boreale</i> f. <i>lapponicum</i> (Ruprecht) Kjellman 1883					
<i>Antithamnion boreale</i> f. <i>typica</i> Kjellman nom. illeg 1883					
<i>Antithamnion boreale</i> var. <i>droebakense</i> Sundene 1962					
<i>Antithamnion boreale</i> var. <i>typicum</i> Sundene nom. illeg.					
<i>Antithamnion corallinum</i> Kjellman 1877					
<i>Antithamnion plumula</i> var. <i>boreale</i> Gobi 1878					
<i>Antithamnion pusillum</i> (Ruprecht) Kjellman 1877					
<i>Callithamnion lapponicum</i> Ruprecht 1850					
<i>Callithamnion pusillum</i> Ruprecht 1850					
<i>Scagelia pusilla</i> (Ruprecht) Athanasiadis ex Maggs & Hommersand 1993					

Taxon	1	2	3	4	5
Dasyaceae					
<i>Dasya baillouviana</i> (S.G. Gmelin) Montagne 1841				X	
<i>Dasya elegans</i> (G. Martens) C. Agardh 1828					
<i>Dasya elegans</i> var. <i>ramosissima</i> Schiffner nom. illeg. 1938					
<i>Dasya pedicellata</i> (C. Agardh) C. Agardh 1824					
<i>Eupogodon mazei</i> P.L. Crouan & H.M. Crouan 1865					
<i>Fucus baillouviana</i> S.G. Gmelin 1768					
<i>Rhodonema elegans</i> G. Martens 1824					
<i>Sphaerococcus pedicellatus</i> C. Agardh 1822					
<i>Heterosiphonia plumosa</i> (J. Ellis) Batters 1902	X				
<i>Callithamnion coccineum</i> (Hudson) Lyngbye 1819					
<i>Ceramium patens</i> Greville 1827					
<i>Conferva coccinea</i> Hudson 1778					
<i>Conferva plumosa</i> J. Ellis 1768					
<i>Dasya coccinea</i> (Hudson) Areschoug in Fries 1845					
<i>Dasya coccinea</i> f. <i>tenuis</i> J. Agardh 1863					
<i>Dasya coccinea</i> var. <i>tenuis</i> Liebmann 1845					
<i>Heterosiphonia coccinea</i> (Hudson) Falkenberg 1901					
<i>Heterosiphonia plumosa</i> var. <i>patens</i> (Greville) Batters					
<i>Heterosiphonia plumosa</i> var. <i>tenuior</i> Batters					
<i>Hutchinsia coccinea</i> (Hudson) C. Agardh 1817					
Delesseriaceae					
<i>Apoglossum ruscifolium</i> (Turner) J. Agardh 1898	X				
<i>Delesseria ruscifolia</i> (Turner) J.V. Lamouroux 1813					
<i>Fucus ruscifolius</i> Turner 1802					
<i>Botryoglossum platycarpum</i> (Turner) Kützing 1843	X				
<i>Delesseria alata</i> var. <i>prolifera</i> Suhr 1840					
<i>Delesseria platycarpa</i> (Turner) J.V. Lamouroux 1813					
<i>Fucus platycarpus</i> Turner 1809					
<i>Nitophyllum platycarpum</i> (Turner) J. Agardh 1876					
<i>Phyllophora platycarpa</i> (Turner) Greville ex Krauss 1846					
<i>Cryptopleura lacerata</i> (S.G. Gmelin) Kützing 1843	X				
<i>Fucus lacerata</i> Gmelin					
<i>Cryptopleura ramosa</i> (Hudson) L. Newton 1931	X				
<i>Acrosorium reptans</i> (P.L. Crouan & H.M. Crouan) Kylin 1924					
<i>Acrosorium uncinatum</i> (Turner) Kylin 1924					
<i>Acrosorium uncinatum</i> var. <i>reptans</i> (P.L. Crouan & H.M. Crouan) Ben Maiz, Boudouresque & Ouachi 1987					
<i>Aglaophyllum laceratum</i> (Gmelin) Areschoug 1847					
<i>Chondrus laceratus</i> (Gmelin) Lyngbye 1819					
<i>Cryptopleura fimbriata</i> (Greville) Kützing					
<i>Cryptopleura lacerata</i> (S.G. Gmelin) Kützing 1843					
<i>Cryptopleura ramosa</i> var. <i>ciliifera</i> Kützing					
<i>Cryptopleura ramosa</i> var. <i>lobata</i> Kützing					
<i>Cryptopleura ramosa</i> var. <i>uncinatum</i> Greville					
<i>Delesseria lacerata</i> (S.G. Gmelin) C. Agardh 1822					
<i>Fucus crispatus</i> Hudson nom. illeg. 1778					
<i>Fucus endiviaefolius</i> Lightfoot 1777					
<i>Fucus endiviifolius</i> Lightfoot 1777					
<i>Fucus laceratus</i> S.G. Gmelin 1768					
<i>Fucus laceratus</i> var. <i>uncinatus</i> Turner 1808					
<i>Hymenophylla lacerata</i> (S.G. Gmelin) Stackhouse 1816					
<i>Nitophyllum laceratum</i> (S.G. Gmelin) Greville 1830					
<i>Nitophyllum reptans</i> P.L. Crouan & H.M. Crouan 1851					
<i>Nitophyllum uncinatum</i> (Turner) J. Agardh 1852					
<i>Papyracea lacerata</i> (S.G. Gmelin) Stackhouse 1809					
<i>Ulva ramosa</i> Hudson 1762					
<i>Delesseria sanguinea</i> (Hudson) J.V. Lamouroux 1813	X			X	X
<i>Delesseria sanguinea</i> f. <i>filiformis</i> Levring 1940					
<i>Delesseria sanguinea</i> var. <i>lanceolata</i> C. Agardh 1822					

Taxon	1	2	3	4	5
<i>Fucus sanguineus</i> Hudson 1762					
<i>Hydrolapathum sanguineum</i> (Hudson) Stackhouse 1809					
<i>Sphaerococcus sanguineus</i> (Hudson) Wahlenberg 1826					
<i>Wormskioldia sanguinea</i> (Hudson) Spengel 1827					
<i>Hypoglossum hypoglossoides</i> (Stackhouse) F.S. Collins & Hervey 1917	X				
<i>Delesseria hypoglossum</i> (Woodward) J.V. Lamouroux 1813					
<i>Delesseria hypoglossum</i> var. <i>ovalifolia</i> J. Agardh 1842					
<i>Delesseria ligulata</i> Gray 1821					
<i>Fucus hypoglossoides</i> Stackhouse 1801					
<i>Fucus hypoglossum</i> Woodward 1794					
<i>Hypoglossum crispum</i> (Zanardini) Kützing					
<i>Hypoglossum tenuifolium</i> var. <i>carolinianum</i> Williams 1951					
<i>Hypoglossum woodwardii</i> Kützing 1843					
<i>Hypoglossum woodwardii</i> var. <i>angustifolia</i> Kützing					
<i>Hypoglossum woodwardii</i> var. <i>arborescens</i> J. Agardh					
<i>Hypoglossum woodwardii</i> var. <i>crispa</i> P.L. Crouan & H.M. Crouan					
<i>Hypoglossum woodwardii</i> var. <i>glomerata</i> Chauvin					
<i>Hypoglossum woodwardii</i> var. <i>ovalifolium</i> (J. Agardh) Kützing 1849					
<i>Hypoglossum ruscifolium</i>	X				
<i>Hypoglossum woodwardii</i> var. <i>ovalifolium</i> (J. Agardh) Rabenhorst 1847					
<i>Membranoptera alata</i> (Hudson) Stackhouse 1809	X			X	X
<i>Delesseria alata</i> (Hudson) J.V. Lamouroux 1813					
<i>Fucus alata</i> Hudson					
<i>Fucus alatus</i> Hudson 1762					
<i>Hypoglossum alatum</i> (Hudson) Kützing 1843					
<i>Hypophylla alata</i> (Hudson) Stackhouse 1816					
<i>Sphaerococcus alatus</i> (Hudson) Wahlenberg 1826					
<i>Pantoneura angustissima</i> (Turner) Kylin 1924	X				
<i>Delesseria alata</i> var. <i>angustissima</i> (Turner) C. Agardh 1822					
<i>Delesseria angustissima</i> (Turner) A.W. Griffiths ex Harvey 1847					
<i>Fucus alatus</i> var. <i>angustissimus</i> Turner 1811					
<i>Hydrolapatha angustissima</i> (Turner) Kuntze 1898					
<i>Hypoglossum angustissimum</i> (Turner) Kützing 1849					
<i>Hypoglossum carpophyllum</i> Kützing 1866					
<i>Membranoptera angustissima</i> (Turner) Kuntze 1891					
<i>Pteridium angustissimum</i> (Turner) J. Agardh 1876					
<i>Phycodrys rubens</i> (Linnaeus) Batters 1902	X			X	X
<i>Agarum rubens</i> (Linnaeus) Link 1809					
<i>Delesseria sinuosa</i> J.V. Lamouroux nom. illeg. 1813					
<i>Delesseria sinuosa</i> f. <i>angusta</i> Kjellman 1875					
<i>Delesseria sinuosa</i> f. <i>quercifolius</i> (Turner) Kjellman 1883					
<i>Delesseria sinuosa</i> f. <i>sublinearis</i> Rosenvinge 1924					
<i>Delesseria sinuosa</i> var. <i>lingulata</i> C. Agardh 1822					
<i>Delesseria sinuosa</i> var. <i>quercifolia</i> (Turner) C. Agardh 1817					
<i>Fucus cartilagineus</i> Forsskål 1775					
<i>Fucus crenatus</i> S.G. Gmelin 1768					
<i>Fucus epiphyllus</i> O.F. Müller 1777					
<i>Fucus roseus</i> O.F. Müller 1775					
<i>Fucus rubens</i> Linnaeus 1753					
<i>Fucus sinuosus</i> Goodenough & Woodward nom. illeg. 1797					
<i>Fucus sinuosus</i> var. <i>quercifolius</i> Turner 1802					
<i>Phycodrys catenata</i> (S.G. Gmelin) P.C. Silva					
<i>Phycodrys crenata</i> (S.G. Gmelin) P.C. Silva 1996					
<i>Phycodrys rubens</i> f. <i>aegagropila</i> Rosenvinge 1924					
<i>Phycodrys rubens</i> f. <i>lingulatus</i> (C. Agardh) Rosenvinge 1924					
<i>Phycodrys rubens</i> f. <i>quercifolius</i> (Turner) Rosenvinge 1924					
<i>Phycodrys rubens</i> var. <i>lingulata</i> (C. Agardh) Batters 1902					
<i>Phycodrys sinuosa</i> (Goodenough & Woodward) Kützing 1843					
<i>Phycodrys sinuosa</i> f. <i>quercifolius</i> (Turner) Sjöstedt 1927					
<i>Phycodrys sinuosus</i> f. <i>lingulatus</i> (C. Agardh) Sjöstedt 1927					
<i>Phyllophora epiphylla</i> (O.F. Müller) Batters 1902					

Taxon	1	2	3	4	5
<i>Sphaerococcus sinuosus</i> (Goodenough & Woodward) C. Agardh 1817					
Rhodomelaceae					
<i>Alsidium corallinum</i> C. Agardh 1827	X				
<i>Boergeseniella fruticulosa</i> (Wulfen) Kylin 1956	X				
<i>Boergeseniella fruticulosa</i> var. <i>wulfenii</i> Bornet					
<i>Ceramium wulfeni</i> Roth 1806					
<i>Fucus fruticosus</i> Wulfen 1789					
<i>Polysiphonia comatula</i> Kützing 1849					
<i>Polysiphonia comosa</i> Kützing 1843					
<i>Polysiphonia cymosa</i> Kützing 1849					
<i>Polysiphonia fruticulosa</i> (Wulfen) Sprengel 1827					
<i>Polysiphonia fruticulosa</i> var. <i>wulfenii</i> (Roth) Bornet					
<i>Polysiphonia humilis</i> Kützing 1849					
<i>Polysiphonia martensiana</i> Kützing 1843					
<i>Polysiphonia pycnophloea</i> Kützing 1849					
<i>Polysiphonia wulfeni</i> (Roth) J. Agardh 1842					
<i>Pterosiphonia fruticulosa</i> (Wulfen) L. Batten					
<i>Rytiphlaea fruticulosa</i> (Wulfen) Harvey 1849					
<i>Bostrychia scorpioides</i> (Hudson) Montagne 1842					
<i>Bostrychia scorpioides</i> (Hudson) Montagne 1842					
<i>Fucus amphibius</i> Hudson 1778					
<i>Fucus scorpioides</i> Hudson 1762					
<i>Rhodomela scorpioides</i> Hudson 1822					
<i>Brongniartella byssoides</i> (Goodenough & Woodward) F. Schmitz 1893	X			X	X
<i>Ceramium byssoides</i> (Goodenough & Woodward) C. Agardh 1811					
<i>Conferva byssoides</i> (Goodenough & Woodward) Smith 1799					
<i>Conferva byssoides</i> (Goodenough & Woodward) Weber & Mohr 1804					
<i>Fucus byssoides</i> Goodenough & Woodward 1797					
<i>Hutchinsia byssoides</i> (Goodenough & Woodward) C. Agardh 1817					
<i>Lophothalia byssoides</i> (Goodenough & Woodward) J. Agardh 1890					
<i>Polysiphonia bangi</i> Kützing 1849					
<i>Polysiphonia byssoides</i> (Goodenough & Woodward) Greville 1824					
<i>Polysiphonia lyngbyei</i> Kützing 1843					
<i>Polysiphonia solierii</i> J. Agardh 1842					
<i>Chondria dasyphylla</i> (Woodward) C. Agardh 1817	X				
<i>Alsidium dasyphyllum</i> P.L. Crouan & H.M. Crouan in Schramm & Mazé 1865					
<i>Chondriopsis dasyphyllus</i> (Woodward) J. Agardh 1863					
<i>Fucus dasyphyllus</i> Woodward 1794					
<i>Laurencia dasyphylla</i> (Woodward) Greville 1830					
<i>Harveyella mirabilis</i> (Reinsch) F. Schmitz & Reinke in Reinke 1889	X			X	
<i>Chlorecolax mirabilis</i> Reinsch					
<i>Chlorecolax albus</i> Kuckuck 1894					
<i>Chlorecolax mirabilis</i> Reinsch 1875					
<i>Chlorecolax odonthaliae</i> Levring 1935					
<i>Laurencia obtusa</i> var. <i>gracilis</i> (C. Agardh) Zanardini 1847	X				
<i>Chondria obtusa</i> var. <i>gracilis</i> C. Agardh 1822					
<i>Chondria obtusa</i> var. <i>gracilis</i> Martens 1824					
<i>Fucus gelatinosus</i> Desfontaines nom. illeg. 1799					
<i>Laurencia gelatinosa</i> J.V. Lamouroux 1813					
<i>Laurencia obtusa</i> var. <i>crucifera</i> Kützing					
<i>Laurencia obtusa</i> var. <i>gelatinosa</i> (Lamouroux) J. Agardh 1852					
<i>Lophosiphonia obscura</i> (C. Agardh) Falkenberg in F. Schmitz & Falkenberg	X				
<i>Hutchinsia obscura</i> C. Agardh 1828					
<i>Lophosiphonia intricata</i> (J. Agardh) Schiffner					
<i>Lophosiphonia subadunca</i> (Kützing) Falkenberg 1901					
<i>Polysiphonia obscura</i> (C. Agardh) Falkenberg					
<i>Polysiphonia parvula</i> Zanardini nom. illeg. 1847					
<i>Polysiphonia subadunca</i> Kützing 1843					
<i>Polysiphonia subadunca</i> var. <i>major</i> Zeller 1873					

Taxon	1	2	3	4	5
<i>Neosiphonia elongella</i> (Harvey) M.S.Kim & I.K.Lee 1999	X				
<i>Polysiphonia elongella</i> Harvey in W.J.Hooker 1833					
<i>Neosiphonia harveyi</i> (J. Bailey) M.-S. Kim, H.-G. Choi, Guiry & G.W.	X				
<i>Polysiphonia argentinica</i> W.R. Taylor 1939					
<i>Polysiphonia harveyi</i> J. Bailey 1848					
<i>Polysiphonia havanensis</i> var. <i>insidiosa</i> J. Agardh 1863					
<i>Polysiphonia insidiosa</i> (J. Agardh) P.L. Crouan & H.M. Crouan 1867					
<i>Polysiphonia nova-angliae</i> W.R. Taylor					
<i>Odonthalia dentata</i> (Linnaeus) Lyngbye 1819				X	
<i>Atomaria dentata</i> (Linnaeus) Lyngbye ex Ruprecht 1850					
<i>Fimbriaria dentata</i> (Linnaeus) Stackhouse 1809					
<i>Fucus dentatus</i> Linnaeus 1767					
<i>Fucus pinnatifidus</i> Oeder 1767					
<i>Rhodomela dentata</i> (Linnaeus) C. Agardh 1824					
<i>Sphaerococcus dentatus</i> (Linnaeus) C. Agardh 1817					
<i>Osmundea osmunda</i> (S.G. Gmelin) K.W. Nam & Maggs in K.W. Nam Maggs	X				
<i>Fucus multifidus</i> Hudson 1778					
<i>Fucus osmundus</i> S.G. Gmelin 1768					
<i>Fucus pinnatifidus</i> var. <i>Osmunda</i> Turner 1802					
<i>Laurencia osmunda</i> (S.G. Gmelin) Maggs & Hommersand 1993					
<i>Laurencia pinnatifida</i> var. <i>osmunda</i> (Turner) Kützing 1849					
<i>Osmundea pinnatifida</i> (Hudson) Stackhouse 1809	X				
<i>Chondria pinnatifida</i> (Hudson) C. Agardh 1822					
<i>Fucus pinnatifidus</i> Hudson 1762					
<i>Gelidium pinnatifidum</i> (Hudson) Lyngbye 1819					
<i>Laurencia pinnatifida</i> (Hudson) J.V. Lamouroux 1813					
<i>Osmundea ramosissima</i> (Oeder) Athanasiadis 1996	X				
<i>Fucus pinnatifidus</i> Hornemann 1813					
<i>Fucus pinnatifidus</i> Strøm 1788					
<i>Fucus ramosissimus</i> Oeder nom. ambig. 1765					
<i>Laurencia platycephala</i> Kützing 1865					
<i>Polysiphonia allochroa</i> (Roth) Duby 1830				X	
<i>Ceramium violaceum</i> var. <i>alochroum</i> (Roth) C. Agardh 1811					
<i>Hutchinsia allochroa</i> (Roth) C. Agardh 1824					
<i>Hutchinsia violacea</i> var. <i>allochroa</i> (Roth) C. Agardh 1817					
<i>Polysiphonia violaceum</i> var. <i>alochroum</i>					
<i>Polysiphonia boldii</i> M.J. Wynne & P. Edwards	X				
<i>Polysiphonia hemisphaerica</i> var. <i>boldii</i>					
<i>Polysiphonia brodiaei</i> (Dillwyn) Sprengel 1827	X				
<i>Ceramium brodiei</i> (Dillwyn) C. Agardh 1811					
<i>Conferva brodiei</i> Dillwyn 1809					
<i>Hutchinsia brodiei</i> (Dillwyn) Lyngbye 1819					
<i>Hutchinsia penicillata</i> C. Agardh 1828					
<i>Polysiphonia brodiei</i> (Dillwyn) Sprengel 1827					
<i>Polysiphonia brodiei</i> f. <i>densa</i> Holmes & Batters 1890					
<i>Polysiphonia brodiei</i> f. <i>typica</i> Holmes & Batters 1890					
<i>Polysiphonia penicillata</i> (C. Agardh) Sprengel 1827					
<i>Vertebrata brodiei</i> (Dillwyn) Kuntze 1891					
<i>Polysiphonia elongata</i> (Hudson) Sprengel 1827	X	X	X	X	X
<i>Boryna elongata</i> (Hudson) Bory de Saint-Vincent 1829					
<i>Ceramium brachygonium</i> Lyngbye 1819					
<i>Ceramium elongatum</i> var. <i>denudatum</i> (C. Agardh) Ørsted 1844					
<i>Ceramium elongatum</i> var. <i>proliferum</i> (C. Agardh) Ørsted 1844					
<i>Conferva elongata</i> Hudson 1762					
<i>Fucus muscoides</i> Forsskål 1775					
<i>Hutchinsia elongata</i> (Hudson) C. Agardh 1817					
<i>Hutchinsia elongata</i> var. <i>denudata</i> C. Agardh 1828					
<i>Hutchinsia elongata</i> var. <i>prolifera</i> C. Agardh 1817					
<i>Hutchinsia lyngbyei</i> C. Agardh 1828					
<i>Hutchinsia ruchingeri</i> C. Agardh 1827					

Taxon	1	2	3	4	5
<i>Hutchinsia strictoides</i> Lyngbye 1819					
<i>Polysiphonia arborescens</i> Kützing 1843					
<i>Polysiphonia chalarophloea</i> Kützing 1849					
<i>Polysiphonia clavigera</i> Kützing 1849					
<i>Polysiphonia commutata</i> Kützing 1849					
<i>Polysiphonia delphina</i> De Notaris					
<i>Polysiphonia denudata</i> f. <i>fragilis</i> (Sperk) Voronikh					
<i>Polysiphonia elongata</i> f. <i>denudata</i> (C. Agardh) Batters 1890					
<i>Polysiphonia elongata</i> f. <i>gelatinosa</i> (Kylin) Kylin 1944					
<i>Polysiphonia elongata</i> f. <i>gelatinosa</i> Kylin 1907					
<i>Polysiphonia elongata</i> f. <i>glomerata</i> Gran 1897					
<i>Polysiphonia elongata</i> f. <i>lyngbyei</i> (C. Agardh) J. Agardh 1863					
<i>Polysiphonia elongata</i> f. <i>microdendron</i> (J. Agardh) Kjellman 1880					
<i>Polysiphonia elongata</i> f. <i>nana</i> Gran 1897					
<i>Polysiphonia elongata</i> f. <i>schuebeleri</i> (Foslie) Rosenvinge 1924					
<i>Polysiphonia elongata</i> var. <i>arborescens</i> (Kützing) Schiffner					
<i>Polysiphonia elongata</i> var. <i>denudata</i> (C. Agardh) Zanardini 1841					
<i>Polysiphonia elongata</i> var. <i>denudata</i> Harvey					
<i>Polysiphonia elongata</i> var. <i>haematites</i> (Kützing) Schiffner					
<i>Polysiphonia elongata</i> var. <i>microdendron</i> (J. Agardh) Gran 1897					
<i>Polysiphonia elongata</i> var. <i>robusta</i> (Kützing) Schiffner					
<i>Polysiphonia elongata</i> var. <i>rosea</i> (Greville) J. Agardh					
<i>Polysiphonia elongata</i> var. <i>ruchingeri</i> (C. Agardh) Schiffner					
<i>Polysiphonia elongata</i> var. <i>sanguinolenta</i> (C. Agardh) Harvey 1833					
<i>Polysiphonia elongata</i> var. <i>stenocarpa</i> (Kützing) Schiffner					
<i>Polysiphonia haematites</i> Kützing 1843					
<i>Polysiphonia laxa</i> Kützing 1843					
<i>Polysiphonia leptoclonia</i> Zanardini ex De Toni 1907					
<i>Polysiphonia macroclonia</i> Kützing 1843					
<i>Polysiphonia microdendron</i> J. Agardh 1841					
<i>Polysiphonia robusta</i> Kützing 1843					
<i>Polysiphonia rosea</i> Greville 1824					
<i>Polysiphonia ruchingeri</i> (C. Agardh) Zanardini 1841					
<i>Polysiphonia schuebeleri</i> Foslie 1881					
<i>Polysiphonia stenocarpa</i> Kützing 1849					
<i>Polysiphonia strictoides</i> (Lyngbye) Kützing					
<i>Polysiphonia trichodes</i> Kützing 1843					
<i>Rhodomela elongata</i> (Hudson) Fries 1835					
<i>Polysiphonia fibrillosa</i> (Dillwyn) Sprengel 1827	X	X	X	X	X
<i>Ceramium violaceum</i> var. <i>tenuis</i> Roth 1806					
<i>Conferva fibrillosa</i> Dillwyn 1809					
<i>Hutchinsia aculeata</i> C. Agardh 1817					
<i>Hutchinsia divaricata</i> C. Agardh 1817					
<i>Hutchinsia expansa</i> C. Agardh 1817					
<i>Hutchinsia fibrillosa</i> (Dillwyn) C. Agardh 1817					
<i>Hutchinsia implicata</i> Lyngbye 1819					
<i>Hutchinsia stricta</i> Lyngbye 1819					
<i>Hutchinsia tenuis</i> C. Agardh 1828					
<i>Polysiphonia aculeata</i> (C. Agardh) Fries 1845					
<i>Polysiphonia bulbosa</i> Fries 1845					
<i>Polysiphonia carmichaeliana</i> Harvey 1833					
<i>Polysiphonia divaricata</i> (C. Agardh) Sprengel 1827					
<i>Polysiphonia elongata</i> f. <i>expansa</i> (C. Agardh) J. Agardh ex Levring 1940					
<i>Polysiphonia expansa</i> (C. Agardh) Fries 1845					
<i>Polysiphonia grevillei</i> Harvey 1849					
<i>Polysiphonia griffithsiana</i> Harvey 1841					
<i>Polysiphonia myriococca</i> Montagne 1841					
<i>Polysiphonia nutans</i> Montagne 1841					
<i>Polysiphonia richardsonii</i> W.J. Hooker ex Harvey 1833					
<i>Polysiphonia spinulosa</i> Greville 1824					
<i>Polysiphonia violacea</i> f. <i>aculeata</i> (C. Agardh) Rosenvinge 1924					

Taxon	1	2	3	4	5
<i>Polysiphonia violacea</i> f. <i>bulbosa</i> (Suhr ex Areschoug) Kylin 1907					
<i>Polysiphonia violacea</i> f. <i>fibrillosa</i> (Dillwyn) Rosenvinge 1924					
<i>Polysiphonia violacea</i> f. <i>subbrodiaei</i> (Areschoug) Kylin 1907					
<i>Polysiphonia violacea</i> f. <i>subbrodiei</i> (Areschoug) Kylin 1907					
<i>Polysiphonia violacea</i> f. <i>tenuis</i> (Roth) Rosenvinge 1924					
<i>Polysiphonia violacea</i> var. <i>bulbosa</i> Suhr ex Areschoug 1847					
<i>Polysiphonia violacea</i> var. <i>fibrillosa</i> (Dillwyn) Areschoug 1847					
<i>Polysiphonia violacea</i> var. <i>subbrodiaei</i> Areschoug 1847					
<i>Polysiphonia violacea</i> var. <i>subbrodiei</i> Areschoug 1847					
<i>Polysiphonia violacea</i> var. <i>tenuissima</i> Areschoug 1847					
<i>Polysiphonia flocculosa</i> (C. Agardh) Endlicher 1843	X				
<i>Hutchinsia flocculosa</i> C. Agardh 1824					
<i>Hutchinsia subcontinua</i> C. Agardh					
<i>Polysiphonia flocculosa</i> (C. Agardh) Kützing 1849					
<i>Polysiphonia subcontinua</i> (C. Agardh) J. Agardh 1842					
<i>Polysiphonia fucooides</i> (Hudson) Greville 1824	X	X	X	X	X
<i>Ceramium violaceum</i> Roth 1797					
<i>Ceramium violaceum</i> var. <i>nigrescens</i> (Hudson) Wahlenberg 1826					
<i>Conferva atrorubens</i> Wahlenberg 1812					
<i>Conferva fucooides</i> Hudson 1762					
<i>Conferva nigrescens</i> Hudson 1778					
<i>Hutchinsia nigrescens</i> (Hudson) Lyngbye 1819					
<i>Hutchinsia nigrescens</i> var. <i>pectinata</i> C. Agardh 1824					
<i>Hutchinsia violacea</i> (Roth) C. Agardh 1817					
<i>Hutchinsia violacea</i> var. <i>nigrescens</i> (Hudson) C. Agardh 1817					
<i>Polysiphonia atropurpurea</i> Moore ex Harvey 1841					
<i>Polysiphonia nigrescens</i> (Hudson) Greville ex Harvey in W.J. Hooker 1833					
<i>Polysiphonia nigrescens</i> f. <i>flaccida</i> (Areschoug) Kylin 1907					
<i>Polysiphonia nigrescens</i> f. <i>fucooides</i> (Hudson) J. Agardh 1863					
<i>Polysiphonia nigrescens</i> f. <i>pectinata</i> (C. Agardh) J. Agardh 1863					
<i>Polysiphonia nigrescens</i> f. <i>protensa</i> J. Agardh 1863					
<i>Polysiphonia nigrescens</i> f. <i>senticosa</i> (Kützing) J. Agardh 1863					
<i>Polysiphonia nigrescens</i> var. <i>flaccida</i> Areschoug 1847					
<i>Polysiphonia nigrescens</i> var. <i>fucooides</i> (Hudson) Harvey					
<i>Polysiphonia senticosa</i> Suhr ex Kützing 1849					
<i>Polysiphonia urceolata</i> f. <i>fucooides</i> (Hudson) J. Agardh 1863					
<i>Polysiphonia violacea</i> (Roth) Sprengel 1827					
<i>Polysiphonia lanosa</i> (Linnaeus) Tandy 1931	X				
<i>Ceramium fastigiatum</i> Roth 1800					
<i>Conferva omissa</i> Gunnerus 1772					
<i>Fucus lanosus</i> Linnaeus 1767					
<i>Hutchinsia fastigiata</i> (Roth) C. Agardh 1817					
<i>Polysiphonia fastigiata</i> (Roth) Greville 1824					
<i>Polysiphonia lanosa</i> (Linnaeus) Tandy 1931					
<i>Vertebrata fastigiata</i> S.F. Gray nom. illeg. 1821					
<i>Vertebrata lanosa</i> (Linnaeus) T.A. Christensen 1967					
<i>Polysiphonia nigra</i> (Hudson) Batters 1902	X	X	X	X	X
<i>Conferva atrorubescens</i> Dillwyn 1809					
<i>Conferva badia</i> Dillwyn 1809					
<i>Conferva nigra</i> Hudson 1762					
<i>Hutchinsia atrorubescens</i> (Dillwyn) C. Agardh 1817					
<i>Hutchinsia badia</i> (Dillwyn) C. Agardh 1817					
<i>Polysiphonia atrorubescens</i> (Dillwyn) Greville 1824					
<i>Polysiphonia badia</i> (Dillwyn) Sprengel 1827					
<i>Polysiphonia opaca</i> (C. Agardh) Moris & De Notaris 1839	X				
<i>Hutchinsia opaca</i> C. Agardh 1824					
<i>Hutchinsia ramulosa</i> C. Agardh 1824					
<i>Polysiphonia aculeifera</i> Zanardini 1847					
<i>Polysiphonia condensata</i> Kützing 1863					
<i>Polysiphonia disticha</i> Zanardini 1847					
<i>Polysiphonia erythrocoma</i> Kützing 1843					

Taxon	1	2	3	4	5
<i>Polysiphonia fasciculata</i> Kützing nom. illeg. 1843					
<i>Polysiphonia laxiuscula</i> Meneghini 1849					
<i>Polysiphonia macrocephala</i> Zanardini 1864					
<i>Polysiphonia melanochoera</i> Kützing 1849					
<i>Polysiphonia ophiocarpa</i> Kützing 1843					
<i>Polysiphonia phleborhiza</i> Kützing 1849					
<i>Polysiphonia ramulosa</i> (C. Agardh) Sprengel 1827					
<i>Polysiphonia repens</i> Kützing 1843					
<i>Polysiphonia scoparia</i> Kützing 1843					
<i>Polysiphonia spiculifera</i> Zanardini ex Kützing 1864					
<i>Polysiphonia umbellifera</i> Kützing 1843					
<i>Vertebrata spiculifera</i> (Zanardini ex Kützing) Kuntze 1891					
<i>Polysiphonia stricta</i> (Dillwyn) Greville 1824	X			X	X
<i>Ceramium strictum</i> Roth 1806					
<i>Conferva patens</i> Dillwyn 1809					
<i>Conferva stricta</i> Dillwyn 1804					
<i>Conferva urceolata</i> Lightfoot ex Dillwyn 1809					
<i>Hutchinsia abyssina</i> Lyngbye 1880					
<i>Hutchinsia comosa</i> C. Agardh 1824					
<i>Hutchinsia roseola</i> C. Agardh 1828					
<i>Hutchinsia stricta</i> (Dillwyn) C. Agardh 1817					
<i>Hutchinsia urceolata</i> (Lightfoot ex Dillwyn) Lyngbye 1819					
<i>Polysiphonia formosa</i> Suhr 1831					
<i>Polysiphonia patens</i> (Dillwyn) Harvey 1833					
<i>Polysiphonia pulvinata</i> Liebmann nom. illeg. 1845					
<i>Polysiphonia roseola</i> (C. Agardh) Fries 1835					
<i>Polysiphonia spiralis</i> L. Batten 1923					
<i>Polysiphonia urceolata</i> (Lightfoot ex Dillwyn) Greville 1824					
<i>Polysiphonia urceolata</i> f. <i>comosa</i> (C. Agardh) J. Agardh 1863					
<i>Polysiphonia urceolata</i> f. <i>formosa</i> (Suhr) J. Agardh 1863					
<i>Polysiphonia urceolata</i> f. <i>pulvinata</i> Kylin 1907					
<i>Polysiphonia urceolata</i> f. <i>roseola</i> (C. Agardh) J. Agardh 1863					
<i>Rhodomela confervoides</i> (Hudson) P.C. Silva 1952	X	X	X	X	X
<i>Fucus confervoides</i> Hudson 1762					
<i>Fucus subfuscus</i> Woodward 1791					
<i>Fucus variabilis</i> Goodenough & Woodward 1797					
<i>Gigartina subfusca</i> (Woodward) J.V. Lamouroux 1813					
<i>Gigartina subfusca</i> var. <i>flaccida</i> Lyngbye 1819					
<i>Gigartina subfusca</i> var. <i>racemosa</i> Lyngbye 1819					
<i>Gigartina subfusca</i> var. <i>tenuior</i> (C. Agardh) Lyngbye 1819					
<i>Lophura gracilis</i> Kützing 1843					
<i>Rhodomela confervoides</i> f. <i>abyssicola</i> (Rosenvinge) Pankow 1971					
<i>Rhodomela confervoides</i> f. <i>gracilis</i> (Kützing) Pankow 1971					
<i>Rhodomela confervoides</i> f. <i>tenuior</i> (C. Agardh) Pankow 1971					
<i>Rhodomela confervoides</i> f. <i>virgata</i> (Kjellman) Rosenvinge ex Rueness 1977					
<i>Rhodomela subfusca</i> (Woodward) C. Agardh 1822					
<i>Rhodomela subfusca</i> f. <i>abyssicola</i> Rosenvinge 1924					
<i>Rhodomela subfusca</i> f. <i>extrataeniensis</i> Areschoug 1875					
<i>Rhodomela subfusca</i> f. <i>gracilior</i> J. Agardh 1863					
<i>Rhodomela subfusca</i> f. <i>gracilis</i> (Kützing) Areschoug 1875					
<i>Rhodomela subfusca</i> f. <i>intrataeniensis</i> Areschoug 1875					
<i>Rhodomela subfusca</i> f. <i>tenuior</i> (C. Agardh) Svedelius 1901					
<i>Rhodomela subfusca</i> f. <i>virgata</i> (Kjellman) Rosenvinge 1924					
<i>Rhodomela subfusca</i> var. <i>firmior</i> J. Agardh					
<i>Rhodomela subfusca</i> var. <i>flaccida</i> (Lyngbye) C. Agardh 1822					
<i>Rhodomela subfusca</i> var. <i>penicillata</i> C. Agardh 1822					
<i>Rhodomela subfusca</i> var. <i>tenuior</i> (C. Agardh) C. Agardh 1822					
<i>Rhodomela virgata</i> Kjellman 1883					
<i>Sphaerococcus confervoides</i> (Hudson) C. Agardh 1817					
<i>Sphaerococcus subfuscus</i> (Woodward) C. Agardh 1817					
<i>Sphaerococcus subfuscus</i> var. <i>tenuior</i> C. Agardh 1817					

Taxon	1	2	3	4	5
<i>Rhodobryopsis lycopodioides</i> (Linnaeus) C. Agardh 1822	X				
<i>Aphanarcton cladostephus</i> J. Agardh 1868					
<i>Conferva squarrosa</i> Oeder 1767					
<i>Fucus lycopodioides</i> Linnaeus 1767					
<i>Furcellaria lycopodioides</i> (Linnaeus) C. Agardh 1817					
<i>Gigartina lycopodioides</i> (Linnaeus) Lyngbye 1819					
<i>Rhodobryopsis cladostephus</i> (J. Agardh) J. Agardh 1868					
<i>Rhodobryopsis confervoides</i> f. <i>lycopodioides</i> (Linnaeus) Rueness 1977					
<i>Rhodobryopsis lycopodioides</i> f. <i>cladostephus</i> (J. Agardh) Kjellman 1875					
<i>Rhodobryopsis lycopodioides</i> f. <i>flagellaris</i> Kjellman 1883					
<i>Rhodobryopsis lycopodioides</i> f. <i>setacea</i> Kjellman 1883					
<i>Rhodobryopsis lycopodioides</i> var. <i>laxa</i> Kjellman					
<i>Rhodobryopsis subfusca</i> f. <i>lycopodioides</i> (Linnaeus) Gobi 1878					
<i>Rhodobryopsis lycopodioides</i> (Linnaeus) C. Agardh 1822					
<i>Aphanarcton cladostephus</i> J. Agardh 1868					
<i>Conferva squarrosa</i> Oeder 1767					
<i>Fucus lycopodioides</i> Linnaeus 1767					
<i>Furcellaria lycopodioides</i> (Linnaeus) C. Agardh 1817					
<i>Gigartina lycopodioides</i> (Linnaeus) Lyngbye 1819					
<i>Lophura lycopodioides</i>					
<i>Rhodobryopsis cladostephus</i> (J. Agardh) J. Agardh 1868					
<i>Rhodobryopsis confervoides</i> f. <i>lycopodioides</i> (Linnaeus) Rueness 1977					
<i>Rhodobryopsis lycopodioides</i> f. <i>cladostephus</i> (J. Agardh) Kjellman 1875					
<i>Rhodobryopsis lycopodioides</i> f. <i>flagellaris</i> Kjellman 1883					
<i>Rhodobryopsis lycopodioides</i> f. <i>setacea</i> Kjellman 1883					
<i>Rhodobryopsis lycopodioides</i> var. <i>laxa</i> Kjellman					
<i>Rhodobryopsis subfusca</i> f. <i>lycopodioides</i> (Linnaeus) Gobi 1878					
Spyridiaceae					
<i>Spyridia filamentosa</i> (Wulfen) Harvey in W.J. Hooker 1833	X				
<i>Ceramium filamentosum</i> (Wulfen) C. Agardh 1828					
<i>Fucus filamentosus</i> Wulfen 1803					
<i>Hutchinsia filamentosa</i> (Wulfen) C. Agardh 1824					
<i>Polysiphonia filamentosa</i> (Wulfen) Sprengel 1827					
<i>Spyridia biannulata</i> J. Agardh 1876					
<i>Spyridia breviarticulata</i> J. Agardh 1876					
<i>Spyridia confervoides</i> Zanardini 1851					
<i>Spyridia filamentosa</i> var. <i>arbuscula</i> Sonder 1855					
<i>Spyridia spinella</i> Sonder 1845					
<i>Spyridia vilosissima</i> Zanardini 1851					
Wrangeliaceae					
<i>Compsothamnion gracillimum</i> De Toni 1903	X				
<i>Compsothamnion thuyoides</i> var. <i>gracillimum</i> (De Toni) Halos 1964					
<i>Compsothamnion thuyoides</i> (J.E. Smith) Nägeli 1862	X				
<i>Callithamnion gracillimum</i> C. Agardh 1828					
<i>Callithamnion thuyoides</i> (J.E. Smith) C. Agardh 1828					
<i>Ceramium thuyoides</i> (J.E. Smith) C. Agardh 1824					
<i>Conferva thuyoides</i> J.E. Smith 1810					
<i>Halurus flosculosus</i> (J. Ellis) Maggs & Hommersand 1993	X		X		
<i>Conferva flosculosa</i> J. Ellis 1768					
<i>Conferva setacea</i> Hudson 1778					
<i>Griffithsia arachnoidea</i> C. Agardh 1828					
<i>Griffithsia flosculosa</i> (J. Ellis) Batters 1902					
<i>Griffithsia setacea</i> (Hudson) C. Agardh 1817					
<i>Monosporus pedicellatus</i> (J.E. Smith) Solier in Castagne 1845	X				
<i>Callithamnion comosum</i> Kützing nom. illeg. 1861					
<i>Conferva pedicellata</i> J.E. Smith 1808					
<i>Corynospora pedicellata</i> (J.E. Smith) J. Agardh 1851					
<i>Monosporus pedicellatus</i> f. <i>comosus</i> (Kützing) Holmes & Batters 1891					
<i>Neomonospora pedicellata</i> (J.E. Smith) Feldmann-Mazoyer & Meslin 1939					

Taxon	1	2	3	4	5
<i>Plumaria plumosa</i> (Hudson) Kuntze 1891	X			X	
<i>Ceramium plumosum</i> (Hudson) Roth 1806					
<i>Fucus plumosus</i> Hudson 1762					
<i>Plumaria elegans</i> (Bonnemaison) F. Schmitz 1889					
<i>Plumaria plumosa</i> var. <i>tenuissima</i> C. Agardh 1822					
<i>Ptilota elegans</i> Bonnemaison 1828					
<i>Ptilota plumosa</i> var. <i>tenuissima</i> C. Agardh 1822					
<i>Ptilota sericea</i> Harvey 1848					
<i>Ptilota gunneri</i> P.C. Silva Maggs & L.M. Irvine 1993	X				
<i>Fucus cartilagineus</i> var. <i>vindicatus</i> Gunnerus 1772					
<i>Fucus plumosus</i> Linnaeus nom. illeg. 1767					
<i>Fucus plumosus</i> var. <i>tenerior</i> Wahlenberg 1812					
<i>Fucus ptilotus</i> Gunnerus 1772					
<i>Ptilota plumosa</i> C. Agardh 1817					
<i>Sphaerococcus plumosus</i> (Linnaeus) Wahlenberg 1826					
<i>Spermothamnion repens</i> (Dillwyn) Rosenvinge 1924				X	X
<i>Callithamnion repens</i> var. <i>tenellum</i> (Dillwyn) Lyngbye 1819					
<i>Callithamnion roseolum</i> (C. Agardh) C. Agardh 1828					
<i>Callithamnion turneri</i> (Mertens ex Roth) C. Agardh 1828					
<i>Ceramium repens</i> (Dillwyn) C. Agardh 1817					
<i>Ceramium repens</i> var. <i>tenellum</i> (Dillwyn) C. Agardh 1817					
<i>Ceramium roseolum</i> C. Agardh 1824					
<i>Ceramium turneri</i> Mertens ex Roth 1806					
<i>Conferva tenella</i> Dillwyn 1809					
<i>Conferva turneri</i> (Mertens ex Roth) Dillwyn 1809					
<i>Spermothamnion repens</i> f. <i>roseolum</i> (C. Agardh) Rosenvinge 1924					
<i>Spermothamnion repens</i> f. <i>turneri</i> (Mertens ex Roth) Rosenvinge 1924					
<i>Spermothamnion repens</i> var. <i>turneri</i> (Mertens ex Roth) Miranda 1931					
<i>Spermothamnion roseolum</i> (C. Agardh) Pringsheim 1862					
<i>Spermothamnion turneri</i> (Mertens ex Roth) Areschoug in Fries 1845					
<i>Spermothamnion turneri</i> f. <i>repens</i> (Dillwyn) Kjellman 1878					
<i>Spermothamnion turneri</i> f. <i>roseolum</i> (C. Agardh) Kjellman 1880					
<i>Spermothamnion turneri</i> var. <i>repens</i> (Dillwyn) Areschoug 1847					
<i>Spermothamnion turneri</i> var. <i>roseolum</i> (C. Agardh) Areschoug 1847					
<i>Spermothamnion strictum</i> (C. Agardh) Ardissonne 1883	X				
<i>Callithamnion crouaniorum</i> Kützing 1849					
<i>Callithamnion semipennatum</i> J. Agardh 1842					
<i>Callithamnion strictum</i> C. Agardh 1828					
Colaconematales, Colaconemataceae					
<i>Colaconema daviesii</i> (Dillwyn) Stegenga 1985		X			X
<i>Acrochaetium alcyonidii</i> Jao 1936					
<i>Acrochaetium alcyonidii</i> var. <i>cylindricum</i> Jao 1936					
<i>Acrochaetium daviesii</i> (Dillwyn) Nägeli 1862					
<i>Acrochaetium hyalosiphoniae</i> (Nakamura) Papenfuss 1945					
<i>Acrochaetium radicans</i> (Harvey) G. Hamel 1927					
<i>Audouinella daviesii</i> (Dillwyn) Woelkerling 1971					
<i>Audouinella hyalosiphoniae</i> (Nakamura) Garbary 1979					
<i>Callithamnion daviesii</i> (Dillwyn) Lyngbye 1819					
<i>Callithamnion lanuginosum</i> (Dillwyn) Lyngbye 1819					
<i>Callithamnion pubes</i> C. Agardh 1828					
<i>Callithamnion radicans</i> Harvey 1855					
<i>Chantransia daviesii</i> (Dillwyn) Thuret in Le Jolis 1863					
<i>Chantransia radicans</i> (Harvey) De Toni 1897					
<i>Conferva daviesii</i> Dillwyn 1809					
<i>Conferva lanuginosa</i> Dillwyn 1805					
<i>Rhodochorton daviesii</i> (Dillwyn) Drew 1928					
<i>Rhodochorton hyalosiphoniae</i> Nakamura 1941					
<i>Trentepohlia daviesii</i> (Dillwyn) Areschoug 1845					
<i>Colaconema emergens</i> (Rosenvinge) R. Nielsen 1994				X	

Taxon	1	2	3	4	5
<i>Colaconema hallandicum</i> (Kylin) Afonso-Carillo, Sanson, Sangil & Diaz-Villa				X	X
<i>Acrochaetium dufourii</i> Collins 1909					
<i>Acrochaetium hallandicum</i> (Kylin) G. Hamel 1927					
<i>Acrochaetium polyblastum</i> (Rosenvinge) Børgesen 1915					
<i>Acrochaetium sargassi</i> Børgesen 1915					
<i>Audouinella dufourii</i> (Collins) Garbary 1987					
<i>Audouinella hallandica</i> (Kylin) Woelkerling 1973					
<i>Audouinella polyblasta</i> (Rosenvinge) J.H. Price Lawson & D.M. John 1986					
<i>Audouinella sargassi</i> (Børgesen) Garbary 1979					
<i>Chantransia hallandica</i> Kylin 1906					
<i>Chantransia hallandica</i> var. <i>brevior</i> Rosenvinge 1909					
<i>Chantransia polyblasta</i> Rosenvinge 1909					
<i>Chantransia sargassi</i> (Børgesen) De Toni 1924					
<i>Chromastrum hallandicum</i> (Kylin) Papenfuss 1945					
<i>Chromastrum polyblastum</i> (Rosenvinge) Papenfuss 1945					
<i>Colaconema hallandicum</i> (Kylin) Afonso-Carillo, Sanson, Sangil & Diaz-Villa 2007					
<i>Kylinia hallandica</i> (Kylin) Kylin 1944					
<i>Kylinia polyblasta</i> (Rosenvinge) Papenfuss 1947					
<i>Kylinia sargassi</i> (Børgesen) Kylin 1944					
<i>Rhodochorton hallandicum</i> (Kylin) Drew 1928					
<i>Colaconema membranaceum</i> (Magnus) Woelkerling 1973	X			X	
<i>Audouinella membranacea</i> (Magnus) Papenfuss 1945					
<i>Callithamnion membranaceum</i> Magnus 1875					
<i>Rhodochorton membranaceum</i> (Magnus) Hauck 1883					
<i>Colaconema nemalione</i> (De Notaris) H. Stegenga 1985				X	
<i>Acrochaetium nemalionis</i> (De Notaris ex L. Dufour) Bornet 1904					
<i>Audouinella nemalionis</i> (De Notaris ex L. Dufour) P.S. Dixon in Parke & P.S. Dixon 1976					
<i>Callithamnion nemalionis</i> De Notaris ex L. Dufour					
Corallinales, Corallinaceae					
<i>Corallina densa</i> (Collins) Doty 1947	X				
<i>Corallina officinalis</i> Linnaeus 1758	X				X
<i>Corallina calvadosii</i> J.V. Lamouroux 1816					
<i>Corallina compacta</i> P.L. Crouan & H.M. Crouan 1867					
<i>Corallina nana</i> Zanardini 1844					
<i>Corallina officinalis</i> f. <i>compacta</i> (P.L. Crouan & H.M. Crouan) Hamel & Lemoine 1953					
<i>Corallina officinalis</i> f. <i>compacta</i> (P.L. Crouan & H.M. Crouan) Hamel & Lemoine 1902					
<i>Corallina officinalis</i> f. <i>nana</i> (Zanardini) Van Heurck 1908					
<i>Corallina officinalis</i> f. <i>profunda</i> Farlow 1881					
<i>Corallina officinalis</i> f. <i>vulgaris</i> Kützing 1858					
<i>Corallina officinalis</i> var. <i>compacta</i> (P.L. Crouan & H.M. Crouan) Batters 1902					
<i>Corallina officinalis</i> var. <i>flabellifera</i> Schiffner 1931					
<i>Corallina officinalis</i> var. <i>nana</i> (Zanardini) Ardissonne 1883					
<i>Corallina officinalis</i> var. <i>profunda</i> Farlow 1881					
<i>Corallina officinalis</i> var. <i>vulgaris</i> Kützing 1858					
<i>Corallina vancouverensis</i> Yendo 1902	X				
<i>Corallina gracilis</i> f. <i>densa</i> Collins 1906					
<i>Corallina gracilis</i> var. <i>lycopodioides</i> W.R. Taylor 1945					
<i>Corallina vancouverensis</i> f. <i>densa</i> Yendo 1902					
<i>Corallina vancouverensis</i> var. <i>aculeata</i> (Yendo) Dawson 1953					
<i>Corallina vancouverensis</i> var. <i>lycopodioides</i> (W. Taylor) Dawson 1953					
<i>Hydrolithon farinosum</i> (J.V. Lamouroux) D. Penrose & Y.M. Chamberlain				X	
<i>Fosliella farinosa</i> (J.V. Lamouroux) M.A. Howe 1920					
<i>Melobesia farinosa</i> J.V. Lamouroux 1816					
<i>Melobesia granulata</i> (Meneghini) Zanardini 1843					
<i>Jania rubens</i> (Linnaeus) J.V. Lamouroux 1816	X				
<i>Corallina rubens</i> Linnaeus 1758					
<i>Corallina spermophorus</i> Ellis 1756					
<i>Jania rubens</i> var. <i>spermophoros</i> (Linnaeus) J.V. Lamouroux 1816					
<i>Jania spermophorus</i> J.V. Lamouroux 1812					
<i>Jania spermophorus</i> J.V. Lamouroux 1843					

Taxon	1	2	3	4	5
<i>Jania rubens</i> var. <i>corniculata</i> (Linnaeus) Yendo 1905	X				
<i>Corallina corniculata</i> Linnaeus 1758					
<i>Corallina elegans</i> Lenormand nom. illeg. 1852					
<i>Corallina plumula</i> Zanardini 1843					
<i>Corallina rubens</i> var. <i>corniculata</i> (Linnaeus)					
<i>Jania corniculata</i> (Linnaeus) J.V. Lamouroux 1812					
<i>Jania nitidula</i> Meslin 1976					
<i>Jania plumula</i> (Zanardini) Zanardini 1844					
<i>Lithophyllum byssoides</i> (Lamarck) Foslie 1900	X				
<i>Goniolithon byssoides</i> (Lamarck) Foslie 1898					
<i>Lithophyllum lichenoides</i> Philippi 1837					
<i>Lithothamnion byssoides</i> (Lamarck) Philippi 1837					
<i>Melobesia lichenoides</i> (Philippi) Endlicher 1843					
<i>Titanoderma byssoides</i> (Lamarck) Y.M. Chamberlain & Woelkerling 1988					
<i>Lithophyllum orbiculatum</i> (Foslie) Foslie 1900	X				
<i>Crodelia orbiculata</i> (Foslie) Kylin 1956					
<i>Pneophyllum confervicola</i> (Kützing) Y.M. Chamberlain 1983	X				
<i>Fosliella minutula</i> (Foslie) Ganesan 1964					
<i>Hapalidium callithamnioides</i> P.L. Crouan & H.M. Crouan 1859					
<i>Hapalidium confervicola</i> (Kützing) Areschoug 1852					
<i>Hapalidium confervoides</i> (Kützing) P.L. Crouan & H.M. Crouan 1867					
<i>Hapalidium phyllactidium</i> Kützing 1849					
<i>Heteroderma minutulum</i> (Foslie) Foslie 1909					
<i>Melobesia callithamnioides</i> (P.L. Crouan & H.M. Crouan) Falkenberg 1879					
<i>Melobesia confervicola</i> (Kützing) Foslie 1900					
<i>Melobesia fosliei</i> Rosenvige 1917					
<i>Melobesia minutula</i> Foslie 1904					
<i>Melobesia minutula</i> f. <i>lacunosa</i> Foslie 1905					
<i>Phyllactidium confervicola</i> Kützing 1843					
<i>Pneophyllum confervicola</i> f. <i>minutulum</i> (Foslie) Y.M. Chamberlain 1983					
<i>Pneophyllum fragile</i> Kützing 1843		X	X	X	
<i>Dermatolithon lejolisii</i> (Rosanoff) Foslie 1898					
<i>Fosliella lejolisii</i> (Rosanoff) M.A. Howe 1920					
<i>Heteroderma lejolisii</i> (Rosanoff) Foslie 1909					
<i>Melobesia lejolisii</i> Rosanoff 1866					
<i>Melobesia microspora</i> Rosenvige 1917					
<i>Melobesia pruinosa</i> Kützing 1845					
<i>Pneophyllum lejolisii</i> (Rosanoff) Y.M. Chamberlain 1983					
<i>Pneophyllum microsporum</i> (Rosenvige) Y.M. Chamberlain 1983					
<i>Pneophyllum myriocarpum</i> (P.L. Crouan & H.M. Crouan) Y.M. Chamberlain	X				
<i>Fosliella zonalis</i> f. <i>myriocarpa</i> (P.L. Crouan & H.M. Crouan) Bressan 1974					
<i>Melobesia myriocarpa</i> P.L. Crouan & H.M. Crouan 1867					
<i>Melobesia zonalis</i> f. <i>myriocarpa</i> (P.L. Crouan & H.M. Crouan) Foslie 1808					
<i>Pneophyllum concolium</i> Y.M. Chamberlain 1983					
<i>Titanoderma corallinae</i> (P.L. Crouan & H.M. Crouan) Woelkerling Y.M.					X
<i>Dermatolithon corallinae</i> (P.L. Crouan & H.M. Crouan) Foslie 1902					
<i>Dermatolithon pustulatum</i> var. <i>corallinae</i> (P.L. Crouan & H.M. Crouan)					
<i>Lithophyllum macrocarpum</i> f. <i>corallinae</i> (P.L. Crouan & H.M. Crouan) Foslie 1909					
<i>Lithophyllum pustulatum</i> var. <i>corallinae</i> (P.L. Crouan & H.M. Crouan) Foslie 1905					
<i>Melobesia corallinae</i> P.L. Crouan & H.M. Crouan 1867					
<i>Titanoderma laminariae</i> (P.L. Crouan & H.M. Crouan) Y.M. Chamberlain 1991					X
<i>Dermatolithon laminariae</i> (P.L. Crouan & H.M. Crouan) Foslie 1900					
<i>Dermatolithon pustulatum</i> f. <i>laminariae</i> (P. L. Crouan & H. M. Crouan) Foslie					
<i>Lithophyllum macrocarpum</i> f. <i>laminariae</i> (P.L. Crouan & H.M. Crouan) Foslie 1900					
<i>Lithophyllum pustulatum</i> f. <i>laminariae</i> (P.L. Crouan & H.M. Crouan) Foslie 1905					
<i>Lithophyllum pustulatum</i> var. <i>laminariae</i> Foslie					
<i>Melobesia laminariae</i> P.L. Crouan & H.M. Crouan 1867					
<i>Titanoderma pustulatum</i> (J.V. Lamouroux) Nägeli in Nägeli & C.E. Cramer	X	X	X		
<i>Dermatolithon adpicitum</i> (Foslie) Foslie 1900					
<i>Dermatolithon caspica</i> (Foslie) Zaberzhinskaya ex Zinova 1967					

Taxon	1	2	3	4	5
<i>Dermatolithon hapalidiodes</i> (P.L. Crouan & H.M. Crouan) Foslie 1898					
<i>Dermatolithon macrocarpum</i> (Rosanoff) Foslie 1899					
<i>Dermatolithon macrocarpum</i> f. <i>faeroensis</i> Foslie 1900					
<i>Dermatolithon macrocarpum</i> f. <i>intermedium</i> (Foslie) Foslie ex De Toni 1924					
<i>Dermatolithon pustulatum</i> (J.V. Lamouroux) Foslie 1898					
<i>Dermatolithon pustulatum</i> f. <i>ascripticum</i> (Foslie) Foslie ex De Toni 1924					
<i>Dermatolithon pustulatum</i> f. <i>farøense</i> Foslie 1900					
<i>Dermatolithon pustulatum</i> f. <i>similis</i> (Foslie) Hamel & Lemoine 1953					
<i>Dermatolithon pustulatum</i> var. <i>macrocarpum</i> (Rosanoff) Foslie 1893					
<i>Epilithon pustulatum</i> (J.V. Lamouroux) Lemoine 1921					
<i>Fosliella ascripticia</i> (Foslie) G.M. Smith 1944					
<i>Fosliella intermedia</i> (Foslie) G.M. Smith 1944					
<i>Litholepis caspica</i> (Foslie) Foslie 1905					
<i>Lithophyllum adplicitum</i> (Foslie) L. Newton 1931					
<i>Lithophyllum hapalidioides</i> (P.L. Crouan & H.M. Crouan) Hariot 1889					
<i>Lithophyllum hapalidioides</i> f. <i>confinis</i> (P.L.Crouan & H.M.Crouan) Foslie 1905					
<i>Lithophyllum macrocarpum</i> (Rosanoff) Foslie 1904					
<i>Lithophyllum macrocarpum</i> f. <i>faeroensis</i> (Foslie) Foslie 1905					
<i>Lithophyllum macrocarpum</i> f. <i>farøense</i> (Foslie) Foslie 1905					
<i>Lithophyllum macrocarpum</i> f. <i>intermedium</i> (Foslie) Foslie 1905					
<i>Lithophyllum pustulatum</i> (J.V. Lamouroux) Foslie 1904					
<i>Lithophyllum pustulatum</i> f. <i>ascripticum</i> Foslie 1907					
<i>Lithophyllum pustulatum</i> f. <i>intermedium</i> Foslie 1905					
<i>Lithophyllum pustulatum</i> f. <i>macrocarpum</i> (Rosanoff) Foslie 1905					
<i>Lithophyllum pustulatum</i> f. <i>similis</i> Foslie 1909					
<i>Lithophyllum pustulatum</i> var. <i>australe</i> Foslie 1905					
<i>Lithothamnion adplicitum</i> Foslie 1897					
<i>Melobesia caspica</i> Foslie 1899					
<i>Melobesia hapalidioides</i> P.L. Crouan & H.M. Crouan 1867					
<i>Melobesia macrocarpa</i> Rosanoff 1866					
<i>Melobesia pustulata</i> J.V. Lamouroux 1816					
<i>Melobesia pustulata</i> var. <i>canellata</i> Kützing 1849					
<i>Melobesia simulans</i> P.L. Crouan & H.M. Crouan 1867					
<i>Melobesia verrucata</i> J.V. Lamouroux 1816					
<i>Tenarea ascripticia</i> (Foslie) Adey 1970					
<i>Tenarea caspica</i> (Foslie) Adey 1970					
<i>Tenarea hapalidioides</i> (P.L. Crouan & H.M. Crouan) Adey & P.J. Adey 1973					
<i>Tenarea pustulata</i> (J.V. Lamouroux) Shameel nom. inval. 1983					
<i>Titanoderma ascripticia</i> (Foslie) Woelkerling Y.M. Chamberlain & P.C. Silva 1985					
<i>Titanoderma caspicum</i> (Foslie) Woelkerling 1986					
<i>Titanoderma hapalidioides</i> (P.L. Crouan & H.M. Crouan) J.H.Price et al. 1986					
<i>Titanoderma litorale</i> (P.L. Crouan & H.M. Crouan) Boudouresque & Perret					
<i>Titanoderma macrocarpum</i> (Rosanoff) Y.M. Chamberlain 1986					
<i>Titanoderma pustulatum</i> var. <i>canellatum</i> (Kützing) Y.M. Chamberlain 1991					
<i>Titanoderma pustulatum</i> var. <i>macrocarpum</i> (Rosanoff) Y.M. Chamberlain 1991					
<i>Titanoderma verrucatum</i> (J.V. Lamouroux) Y.M. Chamberlain 1986					
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Hapalidiaceae					
<i>Lithothamnion sonderi</i> Hauck 1883	X	X	X		
<i>Lithothamnion sonderi</i> f. <i>sublaevigatum</i> Foslie 1905					
Melobesia membranacea (Esper) J.V. Lamouroux 1812	X	X	X	X	
<i>Corallina membranacea</i> Esper 1796					
<i>Epilithon corticiforme</i> (Kützing) Heydrich 1908					
<i>Epilithon membranaceum</i> (Esper) Heydrich 1897					
<i>Hapalidium coccineum</i> P.L. Crouan & H.M. Crouan 1859					
<i>Hapalidium hildebrandtioides</i> P.L. Crouan & H.M. Crouan 1867					
<i>Hapalidium roseolum</i> Kützing 1843					
<i>Hapalidium roseum</i> Kützing ex Areschoug 1852					
<i>Lithothamnion corticiforme</i> (Kützing) Foslie 1898					
<i>Lithothamnion membranaceum</i> (Esper) Foslie 1898					
<i>Melobesia corticiformis</i> Kützing 1849					
<i>Melobesia hildebrandtioides</i> (P.L. Crouan & H.M. Crouan) Foslie 1989					

Taxon	1	2	3	4	5
<i>Melobesia rosea</i> Rosanoff 1866					
<i>Phymatolithon calcareum</i> (Pallas) Adey & D.L. McKibbin 1970	X				
<i>Apora polymorpha</i> (Linnaeus) Gunnerus 1768					
<i>Eleutherospora polymorpha</i> (Linnaeus) Heydrich pro parte excl. typ. 1900					
<i>Lithophyllum calcareum</i> (Pallas) Foslie 1898					
<i>Lithothamnion calcareum</i> (Pallas) Areschoug 1852					
<i>Lithothamnion polymorphum</i> (Linnaeus) Areschoug nom. illeg. 1852					
<i>Lithothamnium calcareum</i>					
<i>Melobesia calcarea</i> (Pallas) Harvey 1849					
<i>Melobesia compressa</i> M'Calla 1849					
<i>Millepora calcarea</i> Pallas 1766					
<i>Millepora polymorpha</i> Linnaeus nom. illeg. 1767					
<i>Paraspora calcarea</i> (Pallas) Heydrich 1908					
<i>Spongites calcarea</i> (Pallas) Kützing 1849					
<i>Phymatolithon laevigatum</i> (Foslie) Foslie 1898	X				
<i>Lithothamnion embolooides</i> Heydrich 1900					
<i>Lithothamnion laevigatum</i> Foslie 1895					
<i>Phymatolithon lenormandii</i> (J.E. Areschoug) W.H. Adey 1966	X			X	X
<i>Lithophyllum lenormandii</i> (J.E. Areschoug) Rosanoff 1866					
<i>Lithothamnion annulatum</i> Foslie 1906					
<i>Lithothamnion lenormandii</i> (J.E. Areschoug) Foslie 1895					
<i>Lithothamnion lenormandii</i> f. <i>squamulosum</i> (Foslie) Foslie 1905					
<i>Lithothamnion lenormandii</i> f. <i>sublaevis</i> Foslie 1895					
<i>Lithothamnion squamulosum</i> Foslie 1895					
<i>Lithothamnium lenormandii</i>					
<i>Melobesia lenormandii</i> J.E. Areschoug 1852					
<i>Squamolithon lenormandii</i> (J.E. Areschoug) Heydrich 1911					
<i>Phymatolithon purpureum</i> (P.L. Crouan & H.M. Crouan) Woelkerling & L.M.	X				X
<i>Lithothamnion polymorphum</i> f. <i>intermedium</i> Foslie 1908					
<i>Lithothamnion polymorphum</i> f. <i>papillatum</i> Foslie 1895					
<i>Lithothamnion polymorphum</i> f. <i>sublaeve</i> (Foslie) A. Zinova 1955					
<i>Lithothamnion polymorphum</i> f. <i>tuberculatum</i> Foslie 1895					
<i>Lithothamnion polymorphum</i> f. <i>validum</i> Foslie 1895					
<i>Lithothamnion purpureum</i> P.L. Crouan & H.M. Crouan 1867					
<i>Phymatolithon polymorphum</i> (Linnaeus) Foslie 1898					
<i>Phymatolithon polymorphum</i> f. <i>sublaeve</i> Foslie 1905					
<i>Phymatolithon polymorphum</i> f. <i>tuberculatum</i> (Foslie) Foslie 1905					
<i>Phymatolithon polymorphum</i> f. <i>validum</i> (Foslie) Foslie 1905					
Gelidiales, <i>Gelidiaceae</i>					
<i>Gelidium corneum</i> (Hudson) J.V. Lamouroux 1813	X				
<i>Fucus corneus</i> Hudson 1762					
<i>Fucus corneus</i> var. <i>sesquipedalis</i> Clemente 1807					
<i>Gelidium sesquipedale</i> (Clemente) Thuret 1876					
<i>Sphaerococcus corneus</i> (Hudson) Stackhouse 1797					
Gigartinales, <i>Cruoriaceae</i>					
<i>Cruoria pellita</i> (Lyngbye) Fries 1835	X			X	
<i>Chaetoderma pellitum</i> (Lyngbye) Kützing 1843					
<i>Chaetophora pellita</i> Lyngbye 1819					
<i>Cruoria adhaerens</i> P.L. Crouan & H.M. Crouan ex J. Agardh 1851					
<i>Cystocloniaceae</i>					
<i>Cystoclonium purpureum</i> (Hudson) Batters 1902	X	X	X	X	X
<i>Capillaria purpurascens</i> Stackhouse 1809					
<i>Choreocolax cystoclonii</i> Kylin 1907					
<i>Cystoclonium purpurascens</i> (Hudson) Kützing 1843					
<i>Cystoclonium purpureum</i> f. <i>cirrhosum</i> J. Agardh ex Zinova 1955					
<i>Cystoclonium purpureum</i> var. <i>cirrhosum</i> J. Agardh ex Lily Newton					
<i>Fucus corallinus</i> O.F. Müller 1777					
<i>Fucus elongatus</i> Gunnerus 1772					
<i>Fucus purpurascens</i> Hudson nom. illeg. 1778					
<i>Fucus purpureus</i> Hudson 1762					

Taxon	1	2	3	4	5
<i>Fucus scorpioides</i> O.F. Müller 1782					
<i>Fucus tuberculatus</i> Solander 1777					
<i>Gigartina purpurascens</i> (Hudson) J.V. Lamouroux 1813					
<i>Gigartina purpurascens</i> var. <i>cirrosa</i> Lyngbye 1819					
<i>Gracilaria purpurascens</i> (Stackhouse) Greville 1830					
<i>Sphaerococcus purpurascens</i> (Hudson) C. Agardh 1817					
<i>Sphaerococcus purpurascens</i> var. <i>scorpioides</i> (O.F. Müller) C. Agardh 1817					
Dumontiaceae					
<i>Dilsea carnosa</i> (Schmidel) Kuntze 1898	X				
<i>Dilsea edulis</i> Stackhouse 1809					
<i>Fucus carnosus</i> Schmidel 1794					
<i>Fucus edulis</i> Stackhouse nom. illeg. 1801					
<i>Halymenia edulis</i> (Stackhouse) C. Agardh 1822					
<i>Iridaea edulis</i> (Stackhouse) Bory de Saint-Vincent 1826					
<i>Sarcophyllis edulis</i> (Stackhouse) J. Agardh 1876					
<i>Schizymenia edulis</i> (Stackhouse) Kleen 1874					
<i>Ulva edulis</i> (Stackhouse) Lyngbye 1819					
<i>Dudresnaya verticillata</i> (Withering) Le Jolis 1863	X				
<i>Borrichius gelatinosus</i> S.F. Gray nom. illeg.					
<i>Dudresnaya coccinea</i> (C. Agardh) P.L. Crouan & H.M. Crouan 1835					
<i>Mesogloia coccinea</i> Agardh					
<i>Ulva coccinea</i> Poiret nom. illeg. 1808					
<i>Ulva verticillata</i> Withering 1796					
<i>Dumontia contorta</i> (S.G. Gmelin) Ruprecht 1850	X	X	X	X	X
<i>Conferva filiformis</i> Hornemann 1813					
<i>Dumontia filiformis</i> (Hornemann) Greville 1830					
<i>Dumontia filiformis</i> f. <i>crispata</i> (Greville) Hauck 1883					
<i>Dumontia filiformis</i> var. <i>crispata</i> (Greville) Greville 1830					
<i>Dumontia incrassata</i> (O.F. Müller) J.V. Lamouroux 1813					
<i>Dumontia incrassata</i> var. <i>crispata</i> (Greville) Batters 1902					
<i>Fucus contortus</i> S.G. Gmelin 1768					
<i>Gastridium filiforme</i> (Hornemann) Lynbye 1819					
<i>Gastridium filiforme</i> var. <i>flavum</i> Lyngbye 1819					
<i>Gastridium filiforme</i> var. <i>incrassatum</i> (O.F. Müller) Lyngbye 1819					
<i>Gastridium filiforme</i> var. <i>intestiniiformis</i> Liebmann 1845					
<i>Gastridium filiforme</i> var. <i>rugosum</i> O.F. Müller ex Lyngbye 1819					
<i>Gastridium filiforme</i> var. <i>spongiforme</i> (O.F. Müller) Lyngbye 1819					
<i>Halymenia filiformis</i> (Hornemann) C. Agardh 1822					
<i>Halymenia purpurascens</i> var. <i>crispata</i> Greville 1830					
<i>Solenia filiformis</i> (Hornemann) Sprengel 1824					
<i>Ulva compressa</i> var. <i>purpurea</i> C. Agardh 1817					
<i>Ulva filiformis</i> Hornemann nom. illeg. 1773					
<i>Ulva incrassata</i> O.F. Müller 1775					
<i>Ulva spongiformis</i> O.F. Müller 1778					
Furcellariaceae					
<i>Furcellaria lumbricalis</i> (Hudson) J.V. Lamouroux 1813	X	X	X	X	X
<i>Fastigiaria furcellata</i> (Linnaeus) Stackhouse 1809					
<i>Fastigiaria furcellata</i> (Linnaeus) Stackhouse 1809					
<i>Fucus fastigiatus</i> Linnaeus 1753					
<i>Fucus furcellatus</i> Linnaeus 1763					
<i>Fucus lumbricalis</i> Hudson 1762					
<i>Fucus lumbricalis</i> var. <i>fastigiatus</i> Turner 1807					
<i>Furcellaria fastigiata</i> (Turner) J.V. Lamouroux 1813					
<i>Furcellaria fastigiata</i> f. <i>aegagropila</i> Reinke 1889					
<i>Furcellaria fastigiata</i> f. <i>minor</i> (C. Agardh) Svedelius 1901					
<i>Furcellaria fastigiata</i> var. <i>minor</i> C. Agardh 1817					
<i>Furcellaria lumbricalis</i> var. <i>fastigiata</i> (Turner) Lyngbye 1819					
<i>Polyides lumbricalis</i> var. <i>fastigiatus</i> C. Agardh 1822					
<i>Polyides rotundus</i> f. <i>fastigiatus</i> (C. Agardh) Duby 1830					
<i>Sphaerococcus fastigiatus</i> (Linnaeus) Wahlenberg 1826					

Taxon	1	2	3	4	5
<i>Halarachnion ligulatum</i> (Woodward) Kützing 1843	X				
<i>Contarinia rosea</i> P.L. Crouan & H.M. Crouan 1858					
<i>Cruoria rosea</i> (P.L. Crouan & H.M. Crouan) P.L. Crouan & H.M. Crouan 1867					
<i>Cruoria stilla</i> Kuckuck 1897					
<i>Dictyota ligulata</i> (Woodward) S.F. Gray 1821					
<i>Halymenia ligulata</i> (Woodward) C. Agardh 1821					
<i>Halymenia ligulata</i> var. <i>latifolia</i>					
<i>Ulva ligulata</i> Woodward 1797					
Gigartinaceae					
<i>Chondrus crispus</i> Stackhouse 1797	X	X	X	X	X
<i>Chondrus crispus</i> f. <i>abbreviatus</i> Kjellman ex Kylin 1907					
<i>Chondrus crispus</i> f. <i>aequalis</i> (Goodenough & Woodward) Rosenvinge 1931					
<i>Chondrus crispus</i> f. <i>aequalis</i> (Turner) Rosenvinge 1931					
<i>Chondrus crispus</i> f. <i>densus</i> Rosenvinge 1931					
<i>Chondrus crispus</i> f. <i>incurvatus</i> (Lyngbye) Rosenvinge 1931					
<i>Chondrus crispus</i> f. <i>polychotoma</i> Kjellman ex Kylin 1907					
<i>Chondrus crispus</i> f. <i>polychotomus</i> Kjellman 1907					
<i>Chondrus crispus</i> f. <i>typica</i> Reinke 1889					
<i>Chondrus crispus</i> var. <i>Planus</i> 1830					
<i>Chondrus crispus</i> var. <i>aequalis</i> (Goodenough & Woodward) Lyngbye 1819					
<i>Chondrus crispus</i> var. <i>filiformis</i> (Hudson) Lyngbye 1819					
<i>Chondrus crispus</i> var. <i>incurvatus</i> Lyngbye 1819					
<i>Chondrus crispus</i> var. <i>lacerus</i> (Stackhouse) Duby 1830					
<i>Chondrus crispus</i> var. <i>lonchophorus</i> Montagne 1861					
<i>Chondrus crispus</i> var. <i>patens</i> Duby 1830					
<i>Chondrus crispus</i> var. <i>sarniensis</i> Turner (Duby) 1830					
<i>Chondrus crispus</i> var. <i>virens</i> (Goodenough & Woodward) Duby 1830					
<i>Chondrus norvegicus</i> (Gunnerus) Lyngbye 1819					
<i>Chondrus platynus</i> (C. Agardh) Ruprecht 1850					
<i>Chondrus platysma</i> Ruprecht 1850					
<i>Chondrus variolosus</i> Ruprecht nom. illeg. 1850					
<i>Ficus crispus</i> Linnaeus					
<i>Fucus crispus</i> f. <i>aequalis</i> Turner 1809					
<i>Fucus crispus</i> var. <i>aequalis</i> Goodenough & Woodward 1797					
<i>Fucus crispus</i> var. <i>brunneus</i> Goodenough & Woodward 1797					
<i>Fucus crispus</i> var. <i>filiformis</i> Goodenough & Woodward 1797					
<i>Fucus crispus</i> var. <i>lacerus</i> Turner 1802					
<i>Fucus crispus</i> var. <i>patens</i> (Goodenough & Woodward) Turner 1802					
<i>Fucus crispus</i> var. <i>planus</i> Turner 1802					
<i>Fucus crispus</i> var. <i>sarniensis</i> Turner 1802					
<i>Fucus crispus</i> var. <i>virens</i> Goodenough & Woodward 1797					
<i>Fucus filiformis</i> Hudson 1762					
<i>Fucus lacerus</i> Stackhouse 1797					
<i>Fucus norvegicus</i> Gunnerus 1772					
<i>Gigartina heterocarpa</i> (Postels & Ruprecht) D.H. Kim 1976					
<i>Halymenia platynus</i> C. Agardh 1822					
<i>Iridaea heterocarpa</i> Postels & Ruprecht 1840					
<i>Iridophycus heterocarpum</i> (Postels & Ruprecht) Setchell & N.L. Gardner 1937					
<i>Mazzaella heterocarpa</i> (Postels & Ruprecht) Fredericq 1993					
<i>Polymorpha aequalis</i> (Goodenough & Woodward) Stackhouse 1809					
<i>Polymorpha crispa</i> (Stackhouse) Stackhouse 1809					
<i>Polymorpha norvegicus</i> (Gunnerus) Stackhouse 1809					
<i>Sphaerococcus crispus</i> f. <i>aequalis</i> (Turner) C. Agardh 1817					
<i>Sphaerococcus crispus</i> var. <i>ciliatus</i> Suhr 1834					
Gloiosiphoniaceae					
<i>Gloiosiphonia capillaris</i> (Hudson) Carmichael in W.J. Hooker 1833	X				
<i>Calosiphonia californica</i> (Farlow) J. Agardh 1899					
<i>Capillaria hudsonii</i> Stackhouse, 1809					
<i>Dudresnaya lubrica</i> (Lyngbye) Trevisan 1848					
<i>Fucus capillaris</i> Hudson 1778					
<i>Gigartina lubrica</i> Lyngbye 1819					

Taxon	1	2	3	4	5
<i>Gloiosiphonia californica</i>					
<i>Gloiosiphonia californica</i> (Farlow) J. Agardh 1885					
<i>Nemalion japonicum</i> Yendo & Narita 1918					
<i>Nemastoma californicum</i> Farlow 1877					
<i>Plagiospora gracilis</i> Kuckuck 1897	X				
<i>Cruoriopsis gracilis</i> (Kuckuck) Batters 1902					
Haemeschariaceae					
<i>Haemescharia hennedyi</i> (Harvey) K.L. Vinogradova & T. Yacovleva 1989	X			X	
<i>Actinococcus hennedyi</i> Harvey 1857					
<i>Petrocelis hennedyi</i> (Harvey) Batters 1889					
<i>Petrocelis ruprechtii</i> Hauck 1885					
Peyssonneliaceae					
<i>Peyssonnelia dubyi</i> P.L. Crouan & H.M. Crouan 1844	X				
<i>Cruoriella armorica</i> var. <i>de-zwaanii</i> Weber-van Bosse 1921					
<i>Cruoriella codana</i> Rosenvinge 1917					
<i>Cruoriella dubyi</i> (P.L. Crouan & H.M. Crouan) F. Schmitz 1889					
<i>Hildenbrandia duby</i> P.L. Crouan & H.M. Crouan ex Kützing 1869					
<i>Peyssonnelia codana</i> (Rosenvinge) Denizot 1968					
Phyllophoraceae					
<i>Ceratocolax hartzii</i> Rosenvinge 1898				X	
<i>Coccotylus truncatus</i> (Pallas) M.J. Wynne & J.N. Heine 1992	X			X	X
<i>Actinococcus roseus</i> Suhr ex Kützing 1843					
<i>Actinococcus subcutaneus</i> (Lyngbye ex Hornemann) Rosenvinge 1893					
<i>Agarum brodiei</i> (Turner) Trevisan 1845					
<i>Chaetophora subcutanea</i> Lyngbye ex Hornemann 1834					
<i>Chondrus brodiei</i> (Turner) Greville 1830					
<i>Chondrus truncatus</i> Postels & Ruprecht 1840					
<i>Coccotylus brodiei</i> (Turner) Kützing 1843					
<i>Coccotylus truncatus</i> f. <i>brodiei</i> (Turner) M.J. Wynne & Heine 1992					
<i>Coccotylus truncatus</i> f. <i>brodiei</i> (Turner) M.J. Wynne & J.N. Heine 1992					
<i>Fucus brodiei</i> Turner 1809					
<i>Fucus truncatus</i> Pallas 1776					
<i>Phyllophora brodiei</i> (Turner) Endlicher 1843					
<i>Phyllophora brodiei</i> f. <i>baltica</i> Areschoug ex Gobi 1877					
<i>Phyllophora brodiei</i> f. <i>concatenata</i> (C. Agardh) Kylin 1907					
<i>Phyllophora brodiei</i> f. <i>elongata</i> (Hauck) Svedelius 1901					
<i>Phyllophora brodiei</i> f. <i>filiformis</i> Rosenvinge 1931					
<i>Phyllophora brodiei</i> f. <i>interrupta</i> (Greville) Rosenvinge 1893					
<i>Phyllophora brodiei</i> f. <i>ligulata</i> (C. Agardh) Sjöstedt 1920					
<i>Phyllophora brodiei</i> f. <i>stellata</i> Rosenvinge 1931					
<i>Phyllophora brodiei</i> subsp. <i>interrupta</i> (Greville) Rosenvinge 1893					
<i>Phyllophora brodiei</i> var. <i>angustissima</i> C. Agardh					
<i>Phyllophora brodiei</i> var. <i>baltica</i> (Areschoug ex Gobi) Hauck 1883					
<i>Phyllophora brodiei</i> var. <i>concatenata</i> (C. Agardh) Areschoug 1847					
<i>Phyllophora brodiei</i> var. <i>elongata</i> Hauck 1883					
<i>Phyllophora interrupta</i> (Greville) J. Agardh 1862					
<i>Phyllophora parvula</i> Darbishire 1896					
<i>Phyllophora truncata</i> (Pallas) A.D. Zinova 1970					
<i>Phyllophora truncata</i> f. <i>brodiaei</i> (Turner) ?					
<i>Sphaerococcus brodiei</i> (Turner) C. Agardh 1817					
<i>Sphaerococcus brodiei</i> var. <i>concatenatus</i> C. Agardh 1817					
<i>Sphaerococcus brodiei</i> var. <i>concatenatus</i> Lyngbye 1819					
<i>Sphaerococcus brodiei</i> var. <i>ligulatus</i> C. Agardh 1822					
<i>Sphaerococcus interruptus</i> Greville 1829					
<i>Sphaerococcus membranifolius</i> var. <i>concatenatus</i> (C. Agardh) Wahlenberg 1826					
<i>Erythrodermis traillii</i> (Holmes ex Batters) Guiry & Garbary 1990	X				
<i>Erythrodermis allenii</i> Batters 1900					
<i>Phyllophora traillii</i> Holmes ex Batters 1890					

Taxon	1	2	3	4	5
<i>Gymnogongrus crenulatus</i> (Turner) J. Agardh 1851	X				
<i>Actinococcus peltaeformis</i> F. Schmitz 1893					
<i>Fucus crenulatus</i> Turner 1802					
<i>Gymnogongrus norvegicus</i> (Gunnerus) J. Agardh nom. illeg. 1851					
<i>Mastocarpus stellatus</i> (Stackhouse) Guiry in Guiry J.A. West D.-H. Kim & Masuda 1984	X				
<i>Chondrus crispus</i> var. <i>stellatus</i> (Stackhouse) Lyngbye 1819					
<i>Chondrus mammillosus</i> (Goodenough & Woodward) Stackhouse 1797					
<i>Fucus alveolatus</i> Esper 1799					
<i>Fucus coronopifolius</i> Zoega 1772					
<i>Fucus crispus</i> var. <i>mamillosus</i> (Goodenough & Woodward) Stackhouse 1816					
<i>Fucus crispus</i> var. <i>stellatus</i>					
<i>Fucus degener</i> Esper 1804					
<i>Fucus echinatus</i> Stackhouse 1797					
<i>Fucus mamillosus</i> Goodenough & Woodward 1797					
<i>Fucus mamillosus</i> var. <i>acutus</i> Turner 1802					
<i>Fucus mamillosus</i> var. <i>incurvus</i> Turner 1802					
<i>Fucus mamillosus</i> var. <i>prolifer</i> Turner 1819					
<i>Fucus stellatus</i> Stackhouse 1796					
<i>Gigartina cornopifolia</i> (Zoega) P.C. Silva 1952					
<i>Gigartina mamillosa</i> (Goodenough & Woodward) J. Agardh 1851					
<i>Gigartina stellata</i> (Stackhouse) Batters 1902					
<i>Gigartina stellata</i> f. <i>acuta</i> (Turner) Batters 1902					
<i>Gigartina stellata</i> f. <i>incurvata</i> (Turner) Batters 1902					
<i>Gigartina stellata</i> f. <i>prolifera</i> (Turner) Batters 1902					
<i>Gigartina stellata</i> var. <i>acuta</i> Goodenough & Woodward					
<i>Gigartina stellata</i> var. <i>incurvata</i> Turner					
<i>Gigartina stellata</i> var. <i>prolifera</i> Turner					
<i>Mastocarpus mamillosus</i> (Goodenough & Woodward) Kützing 1843					
<i>Petrocelis cruenta</i> J. Agardh 1851					
<i>Phyllophora mamillosa</i> (Goodenough & Woodward) Fries 1845					
<i>Rhodymenia mamillosa</i> (Goodenough & Woodward) J.E. Areschoug 1847					
<i>Sphaerococcus crispus</i> var. <i>stellatus</i> (Stackhouse) C. Agardh 1817					
<i>Sphaerococcus mamillosus</i> (Goodenough & Woodward) C. Agardh 1817					
<i>Phyllophora crispa</i> (Hudson) P.S. Dixon 1964				X	X
<i>Chondrus bangi</i> (Hornemann) Lyngbye 1819					
<i>Chondrus bangi</i> var. <i>tenuior</i> Lyngbye 1819					
<i>Colacolepis incrustans</i> F. Schmitz 1893					
<i>Delesseria nervosa</i> (A.P. de Candolle) J.V. Lamouroux 1813					
<i>Fucus bangi</i> Hornemann 1813					
<i>Fucus crispus</i> Hudson 1762					
<i>Fucus nervosus</i> A.P. de Candolle 1805					
<i>Phyllophora bangi</i> (Hornemann) Areschoug in Fries 1845					
<i>Phyllophora epiphylla</i> f. <i>bangi</i> (Hornemann) Fries ex Rosenvinge 1931					
<i>Phyllophora nervosa</i> (A.P. de Candolle) Greville 1830					
<i>Phyllophora rubens</i> (Goodenough & Woodward) Greville 1830					
<i>Phyllophora rubens</i> f. <i>bangi</i> (Hornemann) Levring 1935					
<i>Phyllophora rubens</i> f. <i>nervosa</i> (De Candolle) Hauck					
<i>Rhizophyllis bangi</i> (Hornemann) J. Agardh 1851					
<i>Rhodymenia bangi</i> (Hornemann) J. Agardh 1876					
<i>Sphaerococcus bangi</i> (Hornemann) C. Agardh 1817					
<i>Phyllophora pseudoceranoioides</i> (S.G. Gmelin) Newroth & A.R.A. Taylor 1971	X			X	X
<i>Chondrus membranifolius</i> Greville 1830					
<i>Fucus fimbriatus</i> Hudson nom. illeg. 1778					
<i>Fucus membranifolius</i> C. Agardh 1810					
<i>Fucus membranifolius</i> Goodenough & Woodward 1797					
<i>Fucus pseudoceranoioides</i> S.G. Gmelin 1768					
<i>Phyllophora membranifolia</i> Endlicher 1843					
<i>Phyllophora membranifolia</i> f. <i>angustissima</i> (C. Agardh) Sjöstedt 1920					
<i>Phyllophora membranifolia</i> f. <i>fibrillosa</i> (C. Agardh) Svedelius 1901					
<i>Phyllophora membranifolia</i> var. <i>angustissima</i> (C. Agardh) Krok 1869					

Taxon	1	2	3	4	5
<i>Phyllophora membranifolia</i> var. <i>fibrillosa</i> (C. Agardh) Krok 1869					
<i>Sphaerococcus brodiaei</i> var. <i>angustissimus</i> (C. Agardh) C. Agardh 1822					
<i>Sphaerococcus membranifolius</i> (Goodenough & Woodward) C. Agardh 1817					
<i>Sphaerococcus membranifolius</i> var. <i>angustissimus</i> C. Agardh 1817					
<i>Sphaerococcus membranifolius</i> var. <i>fibrillosus</i> C. Agardh 1817					
<i>Sphaerococcus membranifolius</i> var. <i>pinnatus</i> C. Agardh 1822					
<i>Phyllophora sicula</i> (Kützting) Guiry & L.M. Irvine 1976	X				
<i>Chondrus brodiaei</i> var. <i>simplex</i> Greville nom. illeg. 1830					
<i>Fucus membranifolius</i> var. <i>roseus</i> Turner nom. illeg. 1809					
<i>Phyllophora palmettoides</i> J. Agardh 1849					
<i>Phyllostylus siculus</i> Kützting 1847					
Polyidaceae					
<i>Polyides rotundus</i> (Hudson) Gaillon 1828	X			X	X
<i>Bifurcaria rotunda</i> (Hudson) Papenfuss 1950					
<i>Chordaria rotunda</i> (Hudson) C. Agardh 1817					
<i>Fucus caprinus</i> Gunnerus 1766					
<i>Fucus furcellatus</i> Mohr 1786					
<i>Fucus radiatus</i> Goodenough & Woodward 1797					
<i>Fucus rotundus</i> Hudson 1762					
<i>Furcellaria rotunda</i> (Hudson) Lyngbye 1819					
<i>Polyides caprinus</i> (Gunnerus) Papenfuss 1950					
<i>Polyides lumbricalis</i> C. Agardh nom. illeg. 1822					
Gracilariales, Gracilariaceae					
<i>Gracilaria gracilis</i> (Stackhouse) M. Steentoft L.M. Irvine & W.F. Farnham 1995	X	X	X	X	X
<i>Fucus confervoides</i> var. <i>gracilis</i> (Stackhouse) Turner 1802					
<i>Fucus gracilis</i> Stackhouse 1801					
<i>Fucus gulaman</i> M. Blanco 1837					
<i>Fucus procerrimus</i> Esper 1800					
<i>Fucus verrucosus</i> Hudson 1762					
<i>Gracilaria confervoides</i> (Linnaeus) Greville nom. illeg. 1830					
<i>Gracilaria confervoides</i> f. <i>gracilis</i> (Stackhouse) Grunow 1874					
<i>Gracilaria confervoides</i> f. <i>tenuissima</i> Rosenvinge 1931					
<i>Gracilaria confervoides</i> var. <i>gracilis</i> (Stackhouse) Batters 1902					
<i>Gracilaria confervoides</i> var. <i>procerrima</i> (Esper) Greville 1830					
<i>Gracilaria verrucosa</i> (Hudson) Papenfuss 1950					
<i>Gracilariopsis verrucosa</i> (Hudson) M. Steentoft, L.M. Irvine, & W.F. Farnham nom. inval. 1995					
<i>Sphaerococcus capillaris</i> Kützting nom. illeg. 1863					
<i>Sphaerococcus confervoides</i> (Wiggers) Stackhouse 1797					
<i>Gracilaria vermiculophylla</i> (Ohmi) Papenfuss 1967		X	X	X	
<i>Gracilaria asiatica</i> Zhang & Xia 1985					
<i>Gracilariopsis vermiculophylla</i> Ohmi 1956					
<i>Gracilariopsis longissima</i> (S.G. Gmelin) M. Steentoft L.M. Irvine & W.F.	X				
<i>Fucus longissimus</i> S.G. Gmelin 1768					
Hildenbrandiales, Hildenbrandiaceae					
<i>Hildenbrandia crouanii</i> J. Agardh 1851					X
<i>Hildenbrandia canariensis</i> Børgesen 1929					
<i>Hildenbrandia rubra</i> (Sommerfelt) Meneghini 1841	X	X	X	X	X
<i>Hildenbrandia nardii</i> Zanardini nom. illeg. 1840					
<i>Hildenbrandia prototypus</i> Nardo 1834					
<i>Hildenbrandia rosea</i> Kützting 1843					
<i>Hildenbrandia sanguinea</i> Kützting 1843					
<i>Verrucaria rubra</i> Sommerfelt 1826					
Nemaliales, Liagoraceae					
<i>Helminthocladia calvadosii</i> (J.V. Lamouroux ex Duby) Setchell in F.S. Collins,	X				
<i>Dumontia calvadosii</i> J.V. Lamouroux ex Duby 1830					
<i>Helminthocladia purpurea</i> (Harvey) J. Agardh 1852					
<i>Mesogloia purpurea</i> Harvey 1833					

Taxon	1	2	3	4	5
<i>Helminthora divaricata</i> (C. Agardh) J. Agardh 1852	X				
<i>Acrochaetium polyidis</i> (Rosenvinge) Børgesen 1915					
<i>Chantransia polyidis</i> Rosenvinge 1909					
<i>Colaconema polyidis</i> (Rosenvinge) Woelkerling 1971					
<i>Dudresnaya divaricata</i> (C. Agardh) J. Agardh 1851					
<i>Fucus stackhousei</i> Clemente 1807					
<i>Helminthora stackhousei</i> (Clemente) Cremades & Pérez-Cirera 1990					
<i>Mesogloia divaricata</i> C. Agardh 1824					
<i>Mesogloia hornemanni</i> Suhr ex Hornemann 1836					
<i>Nemalion ramosissimum</i> Zanardini 1847					
<i>Nemalion helminthoides</i> (Velley) Batters 1902	X	X		X	X
<i>Chaetophora rubra</i> (Hudson) C. Agardh 1812					
<i>Chordaria multifida</i> (F. Weber & D. Mohr) Lyngbye 1819					
<i>Fucus helminthoides</i> Velley 1792					
<i>Helminthora multifida</i> (F. Weber & D. Mohr) Fries 1835					
<i>Mesogloia multifida</i> (F. Weber & D. Mohr) C. Agardh 1824					
<i>Mesogloia rubra</i> (Hudson) Areschoug 1840					
<i>Nemalion lubricum</i> Duby 1830					
<i>Nemalion multifidum</i> (F. Weber & D. Mohr) Chauvin 1845					
<i>Nemalion multifidum</i> (Weber & Mohr) J. Agardh 1841					
<i>Rivularia multifida</i> F. Weber & D. Mohr 1804					
<i>Rivularia rubra</i> (Hudson) Wahlenberg 1826					
<i>Ulva rubra</i> Hudson 1778					
Scinaiaaceae					
<i>Scinaia furcellata</i> (Turner) J. Agardh 1851	X				
<i>Dumontia interrupta</i> (Candolle) Duby 1830					
<i>Fucus pseudocrispus</i> Clemente 1807					
<i>Fucus trigonus</i> Clemente 1807					
<i>Ginnania furcellata</i> (Turner) Montagne 1846					
<i>Halymenia furcellata</i> (Turner) C. Agardh 1821					
<i>Scinaia forcillata</i> Bivona-Bernardi 1822					
<i>Scinaia pseudocrispa</i> (Clemente) M.J. Wynne 1989					
<i>Scinaia trigona</i> (Clemente) Trevisan 1848					
<i>Ulva furcellata</i> Turner 1801					
<i>Scinaia furcellata</i> subsp. <i>scandinavica</i> (Maggs & Guiry) Athanasiadis 1996	X				
<i>Scinaia forcillata</i> subsp. <i>scandinavica</i> Maggs & Guiry 1982					
<i>Scinaia pseudocrispa</i> subsp. <i>scandinavica</i> (Maggs & Guiry) M.J. Wynne 1989					
Nemastomatales, <i>Nemastomataceae</i>					
<i>Tsengia bairdii</i> (Farlow) K.C. Fan & Y.P. Fan 1962	X				
<i>Nemastoma bairdii</i> Farlow 1875					
<i>Platoma bairdii</i> (Farlow) Kuckuck 1912					
Palmariales, <i>Palmariaceae</i>					
<i>Palmaria palmata</i> (Linnaeus) Kuntze 1891				X	X
<i>Ceramium palmatum</i> (Linnaeus) Stackhouse 1797					
<i>Delesseria palmata</i> (Linnaeus) J.V. Lamouroux 1813					
<i>Delesseria sobolifera</i> (M. Vahl) J.V. Lamouroux 1813					
<i>Fucus bullatus</i> O.F. Müller 1777					
<i>Fucus caprinus</i> Vahl 1794					
<i>Fucus delicatulus</i> (Gunnerus) Vahl 1797					
<i>Fucus dulcis</i> S.G. Gmelin 1768					
<i>Fucus foliaceus</i> Ström 1788					
<i>Fucus ovinus</i> Gunnerus 1766					
<i>Fucus palmatus</i> Linnaeus 1753					
<i>Fucus palmatus</i> var. <i>laciniatus</i> Wahlenberg 1812					
<i>Fucus palmatus</i> var. <i>marginifer</i> Turner 1809					
<i>Fucus rubens</i> Esper 1799					
<i>Fucus rubescens</i> Sommerfelt 1826					
<i>Fucus sarniensis</i> Roth 1806					
<i>Fucus soboliferus</i> M. Vahl 1792					
<i>Halymenia palmata</i> (Linnaeus) C. Agardh 1817					

Taxon	1	2	3	4	5
<i>Halymenia palmata</i> var. <i>concatenata</i> C. Agardh 1822					
<i>Halymenia palmata</i> var. <i>laciniata</i> (Wahlenberg) C. Agardh 1817					
<i>Halymenia palmata</i> var. <i>marginifera</i> (Turner) C. Agardh 1817					
<i>Halymenia palmata</i> var. <i>sarniensis</i> (Roth) C. Agardh 1822					
<i>Halymenia palmata</i> var. <i>simplex</i> C. Agardh 1817					
<i>Halymenia sobolifera</i> (M. Vahl) C. Agardh 1817					
<i>Palmaria expansa</i> Stackhouse 1809					
<i>Palmaria lanceolata</i> Stackhouse 1809					
<i>Rhodymenia palmata</i> (Linnaeus) Greville 1830					
<i>Rhodymenia palmata</i> f. <i>angustifolia</i> Kjellman 1883					
<i>Rhodymenia palmata</i> f. <i>flabellata</i> Rosenvinge 1893					
<i>Rhodymenia palmata</i> f. <i>marginifera</i> (Turner) A.D. Zinova 1955					
<i>Rhodymenia palmata</i> f. <i>prolifera</i> (Kützting) Kjellman 1883					
<i>Rhodymenia palmata</i> f. <i>quercifolia</i> (Rosenvinge) Rosenvinge 1898					
<i>Rhodymenia palmata</i> f. <i>sobolifera</i> (M. Vahl) J. Agardh 1851					
<i>Rhodymenia palmata</i> var. <i>latifolia</i> Rosenvinge 1893					
<i>Rhodymenia palmata</i> var. <i>latifolia</i> f. <i>quercifolia</i> Rosenvinge 1893					
<i>Rhodymenia palmata</i> var. <i>marginifera</i> Harvey 1849					
<i>Rhodymenia palmata</i> var. <i>murmanica</i> A. Zinova 1950					
<i>Rhodymenia palmata</i> var. <i>sarniensis</i> (Roth) Greville 1830					
<i>Rhodymenia palmata</i> var. <i>simplex</i> (C. Agardh) Kleen 1874					
<i>Rhodymenia palmata</i> var. <i>sobolifera</i> (M. Vahl) Harvey 1847					
<i>Rhodymenia sobolifera</i> (M. Vahl) Greville 1830					
<i>Sphaerococcus palmatus</i> (Linnaeus) Wahlenberg 1826					
<i>Sphaerococcus palmatus</i> var. <i>prolifer</i> 1843					
<i>Sphaerococcus sarneisnsis</i> (Roth) W.J. Hooker 1821					
<i>Sphaerococcus sarniensis</i> (Roth) C. Agardh 1817					
<i>Sphaerococcus soboliferus</i> (M. Vahl) Kützting 1843					
<i>Ulva caprina</i> Gunnerus 1772					
<i>Ulva delicatula</i> Gunnerus 1772					
<i>Ulva palmata</i> (Linnaeus) Withering 1796					
<i>Ulva palmata</i> var. <i>laciniata</i> Lyngbye 1819					
<i>Ulva palmata</i> var. <i>marginifera</i> Lyngbye 1819					
<i>Ulva palmata</i> var. <i>simplex</i> (C. Agardh) Lyngbye 1819					
<i>Ulva sobolifera</i> (M. Vahl) Lyngbye nom. illeg. 1819					
Rhodophysemataceae					
<i>Rhodophysema elegans</i> (P.L. Crouan & H.M. Crouan ex J. Agardh) P.S.	X				X
<i>Peyssonnelia rupestris</i> P.L. Crouan & H.M. Crouan 1867					
<i>Rhododermis elegans</i> P.L. Crouan & H.M. Crouan ex J. Agardh 1852					
<i>Rhododermis elegans</i> f. <i>polystromatica</i> Batters 1890					
<i>Rhododermis parasitica</i> Batters 1890					
<i>Rhododermis polystromatica</i> (Batters) Batters 1896					
<i>Rhodophysema elegans</i> var. <i>polystromatica</i> (Batters) P.S. Dixon 1964					
<i>Rhodophysema minus</i> Hollenberg & Abbott 1965					
<i>Rhodophysema georgei</i> Batters 1900					X
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