

Bouchereau, 1999
clupeidae (Hahn, 1917)
 = *Chloromyxum clupeidae* Hahn, 1917
 = *Chloromyxum sp.* Auerbach, 1910
histolytica (Pérard, 1928)
 = *Chloromyxum histolyticum* Pérard, 1928
insolita Shulman et Kovaleva in Kovaleva, Shulman et
 Yakovlev, 1979
kabatai Shulman et Kovaleva in Kovaleva, Shulman et
 Yakovlev, 1979
lunata Lom, Dyková et Lhotáková, 1983
nova Naidenova, 1975
 = *Kudoa quadratum* (Thélohan, 1895) of Naidenova, 1970
quadratum (Thélohan, 1895)
stellula Yurakhno, 1991
thyrsites (Gilchrist, 1924)

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PORIFERA

Compiled by R.W.M. van Soest

Data consist of a species name considered valid or status unknown, followed by author and year of erection. Obvious synonyms (based on general consensus of past authors) are not listed separately but are quoted with reference to original and eventual later authors. Also an attempt is made to cite subsequent records of a species and its synonyms. These records are given as author and year, and with the aid of the list of references (see bibliography of literature used in compiling species lists), are a key to the distribution of the species. No separate distribution data are given. The entries are in most cases not recently validated, so are based on opinions of previous authors or experience of the present list author. Care should be taken when using these entries for other purposes than simple reference data. There is absolutely no guarantee for completeness of both the species list and the subsequent records. Demosponge data are more complete and reliable than Calcarea, and in turn these are of better quality than Hexactinellida.

A project in process of near completion is the Systema Porifera initiative. This should result in a 25 author collective revision of all Porifera taxa above the species level. The project is in its finishing stages and should yield a single volume update of all Porifera taxa including keys to the identification. Until this volume appears, the present list remains tentative as far as classification and the use of genus and family names is concerned.

N. Boury-Esnault assisted in the compilation of this list.

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- lesinensis* (Lendenfeld, 1894)
- Dragmastra*
normani (Sollas, 1880 as *Stelletta*)
normani subsp. *rhaphiophora* (Hentschel, 1929 as *Stelletta*)
- Holoxea*
furtiva Topsent, 1892
- Penares*
candidata (Schmidt, 1868)
helleri (Schmidt, 1864 as *Stelletta*)
sclerobesa Topsent, 1904
- Stelletta*
addita (Topsent, 1938)
aspera Carter, 1871
boglicii Schmidt, 1862
carbonaria Schmidt, 1880
collingsi (Bowerbank, 1866)
defensa Pulitzer-Finali, 1983
dichoclada Pulitzer-Finali, 1983
dorsigera Schmidt, 1862
grubii Schmidt, 1862
hispidia (Buccich, 1886 as *Ancorina*)
- Stelletta (Pilochrota)*
inermis Topsent, 1904
- Stelletta*
lactea Carter, 1871
mediterranea (Topsent, 1893)
pachastrelloides Carter, 1876
pumex (Nardo, 1847)
rhaphidiophora Hentschel, 1929
simplicissima (Schmidt, 1868 as *Ancorina*)
stellata Topsent, 1893
stellata subsp. *adriatica* Sara, 1960
tuberosa (Topsent, 1892 as *Astrella*)
- Stelletta (Pilochrota)*
ventricosa Topsent, 1904
- Stryphnus*
fortis (Vosmaer, 1885 as *Stelletta*)
mucronatus (Schmidt, 1868 as *Stelletta*)
niger (Carter, 1871 as *Dercitium*)
ponderosus (Bowerbank, 1866 as *Ecionemia*)
ponderosus subsp. *rudis* Sollas, 1888

PHYLUM PORIFERA

Class Demospongiae

Subclass Homoscleromorpha

Order Homosclerophorida

Family Plakinidae

Corticium

- bowerbanki* Sara, 1960
candelabrum Schmidt, 1862
reductum Pulitzer-Finali, 1983
topsenti Pouliquen, 1972

Octavella

- galangau* Tuzet & Paris, 1963

Oscarella

- lobularis* (Schmidt, 1862 as *Halisarca*)

Placinolopha

- moncharmonti* (Sarà, 1960 as *Diactinolopha*)

Plakina

- brachylopha* Topsent, 1928
dilopha Schulze, 1880
monolopha Schulze, 1880
trilopha Schulze, 1880

Plakinastrella

- copiosa* Schulze, 1880
mixta Maldonado, 1992
oxeata Topsent, 1904
trunculifera Topsent, 1928

Plakortis

- simplex* Schulze, 1880

Pseudocorticium

- jarrei* Boury-Esnault *et al.*, 1995

Subclass Tetractinomorpha

Order Astrophorida

Family Ancorinidae

Ancorina

- cerebrum* Schmidt, 1862
radix (Marenzeller, 1889)
verruca Schmidt, 1862
wagneri (Schmidt, 1862 as *Stelletta*)

Calthropella

- geodioides* (Carter, 1876 as *Pachastrella*)
inopinata Pulitzer-Finali, 1983
pathologica (Schmidt, 1868)
recondita Pulitzer-Finali, 1972
simplex Sollas, 1888
simplex subsp. *durissima* Topsent, 1892
stelligera (Schmidt, 1868 as *Corticium*)

Dercitancorina

Family Pachastrellidae

Characella

- tripodaria* (Schmidt, 1868)

Dercitus

- abyssi* (Carter, 1876 as *Corticium*)
plicatus (Schmidt, 1868)
bucklandi (Bowerbank, 1866 as *Hymeniacidon*)

Nethea

- dissimilis* Sara, 1959

Pachastrella

- abyssi* Schmidt, 1870
debilis Topsent, 1892
echinorhabda Pulitzer-Finali, 1972
intexta Carter, 1876
monilifera Schmidt, 1868
ovisternata Von Lendenfeld, 1897
stylifera Von Lendenfeld, 1897

Poecillastra

- compressa* (Bowerbank, 1866 as *Ecionemia*)
amygdaloides (Carter, 1876 as *Pachastrella*)
compressa (Bowerbank, 1866)
crassiuscula Sollas, 1888
cumana Vosmaer, 1894
fragilis Vosmaer, 1894
pachastrelloides (Carter, 1874
rudiastra Pulitzer-Finali, 1983
saxicola (Topsent, 1892 as *Characella*)
scabra (Schmidt, 1868)
sollasi (Topsent, 1892)
symbiotica Topsent, 1904
Sphinctrella (= *Vulcanella*)
aberrans Maldonado & Uriz, 1996
annulata Schmidt, 1870

- armata* (Hanitsch, 1895 as *Poecillastra*)
cribrifera Sollas, 1888
gracilis Sollas, 1888
horrida Schmidt, 1870
linaresi Ferrer-Hernandez, 1914
ornata Sollas, 1888
verruculosa Pulitzer-Finali, 1983
- Triptolemus*
simplex Sara, 1959 (= ?*Pachastrella*)
- Family Geodiidae**
- Caminella*
loricata Lendenfeld, 1894
- Caminus*
vulcani Schmidt, 1862
- Erylus*
cantabricus (Ferrer-Hernandez, 1912, 1918 as *Scutastra*)
corsicus Pulitzer-Finali, 1983
deficiens Topsent, 1927
discophorus (Schmidt, 1862 as *Stelletta*)
discophorus subsp. *deficiens* Babio & Gondar, 1978
euastrum (Schmidt, 1868 as *Stellettinopsis*)
euastrum subsp. *aspidodiscus* Topsent, 1928
expletus Topsent, 1928
granularis Topsent, 1904
mamillaris (Schmidt, 1862 as *Stelletta*)
nummulifer Topsent, 1892, 1904
oblongus Topsent, 1928
papillatus Topsent, 1928
papulifer Pulitzer-Finali, 1983
stellifer Topsent?
topsentii Von Lendenfeld, 1903
- Geodia*
atlantica (Stephens, 1914 as *Sidonops*)
barretti Bowerbank, 1858
conchilega Schmidt, 1862
cydonium (Jameson, 1811 as *Alcyonium*)
cydonium subsp. *aegagropila* Corriero, 1989
depressa Bowerbank, 1873
echinastrella Topsent, 1904
eosaster (Sollas, 1888)
geodina (Schmidt, 1868)
gigas Schmidt, 1862
glariosa Sollas, 1862
globus Schmidt, 1870
macandrewi Bowerbank, 1872
megastrella (+*var. laevispina*) Carter, 1876
mesotriaena (Hentschel, 1929 as *Sidonops*)
micropunctata Row, 1911
muelleri (Fleming, 1828)
nodastrella Carter, 1876
normani (Sollas, 1888 as *Cydonium*)
pergamentacea Schmidt, 1870
placenta Schmidt, 1862
pyriformis (Vosmaer, 1885 as *Synops*)
simplex Schmidt, 1870
simplicissima Burton, 1931
sphaeroides (Vosmaer, 1882 as *Isops*)
spherastrella Topsent, 1904
- Geodia* (*Stellogeodia*)
stellata Czerniavsky, 1880
- Geodia*
tuber Lendenfeld, 1894
tuberosa Schmidt, 1862
- Isops*
anceps (Vosmaer, 1894 as *Synops*)
canaliculata (Schmidt, 1868)
intuta (Topsent, 1892 as *Cydonium*)
maculosus Vosmaer, 1894
pachydermata Sollas, 1888
pallida Vosmaer, 1882
phlegraei Sollas, 1862
- Pachymatisma*
intermedia (Schmidt, 1868)
johnstonia (Bowerbank in Johnston, 1842 as *Halichondria*)
- normani* Sollas, 1888
- Family Theneidae**
- Thenea*
abyssorum Koltun, 1959
levis Von Lendenfeld, 1903
muricata Bowerbank, 1858
schmidti Sollas, 1886
valdiviae Von Lendenfeld, 1903
- Family Thrombidae**
- Thrombus*
abyssi (Carter, 1873 as *Corticium*)
abyssi subsp. *niger* Topsent, 1904
- Family Coppatiidae**
- Dorypleres*
incrustans Topsent, 1892
- Holoxea*
furtiva Topsent, 1892
- Jaspis*
dendyi Sollas, 1888
inconditus (Topsent, 1892 as *Coppatias*)
incrustans (Topsent, 1890)
eudermis Lévi & Vacelet, 1958
johnstoni (Schmidt, 1862 as *Vioa*)
johnstoni subsp. *incrustans* Topsent, 1904
- Order Lithistida**
- Family Corallistidae**
- Corallistes*
elegantior Schmidt, 1870
masoni (Bowerbank, 1869)
nolitangere Schmidt, 1870
- Racodiscula*
clava Schmidt, 1870
- Family Theonellidae**
- Discodermia*
polydiscus Du Bocage, 1869
ramifera Topsent, 1892
- Family Siphonidiidae**
- Leiodermatium*
lynceus Schmidt, 1870
pfeifferae (Carter, 1876 as *Azorica*)
- Macandrewia*
azorica Gray, 1859
robusta Topsent, 1904
- Siphonidium*
ramosum Schmidt, 1870
- Family Desmanthidae**
- Desmanthus*
incrustans (Topsent, 1889 as *Aciculites*)
- Lithobubaris*
tenens Vacelet, 1969
- Order Spirophorida**
- Family Tetillidae**
- Cantabrina*
erecta Ferrer-Hernandez, 1914
- Chrotella*
amphiacantha Topsent, 1904
- Cinachyra*
australiensis Carter, 1881
cavernosa (Lamarck, 1815)
tarentina Pulitzer-Finali, 1983
- Samus*
anonyma Gray, 1867
- Tetilla*
abyssorum (Carter, 1876 as *Tethya* *cranium* *abyssorum* & *T. c. infrequens*)
azorica (Topsent, 1904)
cranium (Müller, 1776 as *Alcyonium* and *A. globosum*)
disigma Topsent, 1904
geniculata Von Marenzeller, 1886
infrequens (Carter, 1876)
longipilis Topsent, 1904
nimia Topsent, 1904

polyura Schmidt, 1870
repens (Sara, 1958 as Craniella)
sandalina Sollas, 1886
sibirica (Fristedt, 1887 as Tethya)
tethyoides (Schmidt, 1870)
truncata Topsent, 1892
zetlandica (Carter, 1872 as Tethya)

Order Hadromerida

Family Clionidae

Alectona
millari Carter, 1879
Cliona
abyssorum Carter, 1874
albicans Volz, 1939
alderi Hancock, 1849
angulata Hancock, 1849
burtoni Topsent, 1932
celata (Grant, 1826)
copiosa Sara, 1959
corallinoides Hancock, 1849
cretensis Pulitzer-Finali, 1983
hystrix (Johnston, 1842 as Halichondria)
levispira Topsent, 1898
northumbrica Hancock, 1849
gorgonioides Hancock, 1849
gracilis Hancock, 1849
howsei Hancock, 1849
janitrix Topsent, 1932
lobata Hancock, 1849
nigricans (Schmidt, 1862 as Papillina)
pontica Czerniavsky, 1880
pruvoti Topsent, 1900
rhodensis Rützler & Bromley, 1981
rovignensis Volz, 1939
sarai Melone, 1965
schmidti (Ridley, 1881)
stationis Nassonow, 1883
topsenti (Von Lendenfeld, 1896)
tremitensis Sara, 1961
typica (Nardo, 1833)
vastifica Hancock, 1849
vermifera Hancock, 1867
viridis (Schmidt, 1862 as Vioa)
Cliothesa
hancocki (Schmidt, 1862 as Vioa hancocki (sic))
Delectona
alboransis Rosell, 1996
ciconiae Bavestrello *et al.*, 1996
Dotona
pulchella Carter, 1881
Thoosa
armata Topsent, 1888
mollis Volz, 1939
tortonesei Sarà, 1958

Family Spirastrellidae

Spirastrella
aculeata Topsent, 1892
cunctatrix Schmidt, 1868
minax Topsent, 1888
Spiroxya
heteroclita Topsent, 1896

Family Timeidae

Diplastrella
bistellata (Schmidt, 1862 as Suberites)
ornata Rützler & Sarà, 1962
Timea
acutostellata Hanitsch, 1894
bifidostellata Pulitzer-Finali, 1983
chondrilloides (Topsent, 1904 as Hymedesmia)
crassa (Topsent, 1900 as Hymedesmia)
cumana Pulitzer-Finali, 1978
fasciata Topsent, 1934
geministellata Pulitzer-Finali, 1978
hallezi Topsent, 1894

irregularis Sarà & Siribelli, 1960
mixta (Topsent, 1896 as Hymedesmia)
simplistellata Pulitzer-Finali, 1983
stellata (Bowerbank, 1866 as Hymedesmia)
stellifasciata Sara & Siribelli, 1960
stelligera (Carter, 1876 as Suberites)
stellivarians (Carter, 1876 as Suberites)
tristellata (Topsent, 1892 as Hymedesmia)
unistellata (Topsent, 1892 as Hymedesmia)
unistellata subsp. *aspera* (Topsent, 1904 as Hymedesmia)

Family Placospongiidae

Placospongia
decorticans (Hanitsch, 1895 as Physcaphora)

Family Hemiasterellidae

Adreus
fascicularis (Bowerbank, 1866 as Dictyocylindrus)
Hemiasterella
aristoteliana Voultsiadou-Koukoura & VanSoest, 1991
Paratimea
constellata (Topsent, 1893 as Halicnemia)
loenbergi (Alander, 1942 as Halicnemia)
loricata (Sarà, 1958 as Halicnemia)
oxeata Pulitzer-Finali, 1978
pierantonii (Sara, 1958 as Halistella)
Stelligera
mutilus Topsent, 1928
nux Von Lendenfeld, 1896
rigida (Montagu, 1818 as Spongia)
stuposa (Montagu, 1818 as Spongia)

Family Latrunculiidae

Latrunculia
biannulata Topsent, 1892
citharistae Vacelet, 1969
cratera Du Bocage, 1869
insignis Topsent, 1892
normani Stephens, 1915
tarentina Pulitzer-Finali, 1983
tricincta Hentschel, 1929
triloba (Schmidt, 1875 as Sceptrella)
Microstylifer
rugosus Vacelet, 1969
Podospongia
loveni Du Bocage, 1869
Sceptrintus
richardi Topsent, 1898

Family Tethyidae

Halicometes
elongata Boury-Esnault *et al.*, 1994
Tethya
aurantium (Pallas, 1766 as Alcyonium)
citrina Sarà & Melone, 1965
norvegica Bowerbank, 1872

Family Suberitidae

Aaptos
aaptos (Schmidt, 1864 as Ancorina)
papillatus (Keller, 1880 as Tubarella)
Atergia
corticata Stephens, 1915
Laxosuberites
durus Stephens, 1915
ectyoninus Topsent, 1900
ferrerhernandezii Boury-Esnault & Lopes, 1985
incrustans (Hansen, 1880 as Suberites)
rugosus (Schmidt, 1868)
Prosuberites
brevispinus De Laubenfels, 1951
epiphytum (Lamarck, 1815 as Alcyonium)
longispinus Topsent, 1893
modestus Pulitzer-Finali, 1978
rugosus Topsent, 1893
Pseudosuberites
hyalinus (Ridley & Dendy, 1886 as Hymeniacion)
mollis Topsent, 1925
montiniger (Carter, 1880 as Suberites)

- sadko* Koltun, 1966
simplicima (Bowerbank, 1874 as Hymedesmia = probably *P. sulphureus*)
sulphureus (Bean in Bowerbank, 1866 as Hymeniacion)
Pseudotrachya
hystrix (Topsent, 1892 as Trachya, 1904)
oxystyla Sarà, 1959
Rhizaxinella
biseta Topsent, 1904
elongata (Ridley & Dendy, 1886 as Suberites)
gracilis (Von Lendenfeld, 1896 as Suberites)
pyrifer (Delle Chiaje, 1828)
schaudini Hentschel, 1929
uniseta Topsent, 1904
Suberites
baffini Brøndsted, 1933
bursa Schmidt, 1862
caminatus Ridley & Dendy, 1886
capillitium Topsent, 1904
carnosus (Johnston, 1842 +var. *typica*+var. *incrustans* as Halichondria)
carnosus subsp. *incrustans* Topsent, 1900
concinus Lambe, 1900
crelloides Marenzeller, 1877
crustula (Bowerbank, 1866 as Hymeniacion)
distortus Schmidt, 1870
domuncula (Olivi, 1792 as Alcyonium)
elongatus Ridley & Dendy, 1886
ficus (Esper, 1794 as Alcyonium)
gibbosiceps Topsent, 1904
glasenapii Merejkowski, 1879
hirsutus (Fleming, 1828 as Halichondria)
hystrix Schmidt, 1868
laticeps Topsent, 1904
lobatus (Renier in Lieberkühn, 1859 as Lithumen)
luetkeni Schmidt, 1870
maculans (Johnston, 1842 as Halichondria)
massa (Nardo, 1847)
montalbidus Carter, 1880
prototypus Czerniavsky, 1880
sevosus (Johnston, 1842 as Halichondria)
suberia (Montagu, 1818 as Spongia)
syringella (Schmidt, 1868)
virgulosus (Johnston, 1842 as Halichondria)
Terpios
coerulea (Carter, 1882) (= *T. fugax* of authors)
- Family Stylocordylidae**
Oxycordyla
pellita Topsent, 1904
Stylocordyla
borealis (Loven, 1868)
borealis subsp. *typica* Burton, 1931
- Family Polymastiidae**
Polymastia
agglutinans Ridley & Dendy, 1886, 1887
azorica Lévi & Vacelet, 1958
bartletti De Laubenfels, 1942
boletiformis (= *robusta* Bowerbank) (Lamarck, 1813 as Alcyonium)
capitata Vosmaer, 1885
conigera Bowerbank, 1874
corticata Ridley & Dendy, 1886
ectofibrosa Boury-Esnault *et al.*, 1994
grimaldi (Vosmaer, 1885 as penicillus)
hispida (Bowerbank, 1866)
inflata Cabioch, 1968
laganoides Lambe, 1900
mamillaris (Müller, 1806 as Spongia)
mamillaris subsp. *hyperborea* Hentschel, 1916
martae Boury-Esnault *et al.*, 1994
mespilus Schmidt, 1873
paupera Fristedt, 1887
polytylota Vacelet, 1969
radiosa Bowerbank, 1866
robusta see *P. boletiformis*
- spinula* Bowerbank, 1866
sola Pulitzer-Finali, 1983
tissieri (Vacelet, 1961)
uberrima (Schmidt, 1870 as Rinalda)
Quasillina
brevis (Bowerbank, 1861 as Euplectella)
intermedia Boury-Esnault *et al.*, 1994
richardi Topsent, 1913
Rhaphidorus
setosus Topsent, 1898
Ridleia
oviformis Dendy, 1916
Sphaerotylus
borealis (Schwartzschewsky, 1906)
schoenus (Sollas, 1882)
Spinularia
spinularia (Bowerbank, 1866 as Tethea)
Tentorium
semisuberites (Schmidt, 1870 as Thecophora)
Polymastia
hemisphaerica (Sars, 1872)
Trichostemma
sarsi Ridley & Dendy, 1886, 1887
Tyloxocladus
joubini Topsent, 1898
Vosmaeria
crustacea Fristedt, 1885
laevigata Topsent, 1896
Weberella
bursa Vosmaer, 1885
verrucosa Vacelet, 1960
- Order Chondrosida**
Family Chondrillidae
Chondrilla
nucula Schmidt, 1862
Chondrosia
plebeja Schmidt, 1868
reniformis (Nardo, 1847)
Thymosia
guernei Topsent, 1895
Thymosiopsis
cuticulatus Vacelet & Perez, 1998
- Subclass Ceractinomorpha**
Order Halichondrida
Family Axinellidae
Acanthella
acuta Schmidt, 1862
annulata Sara, 1958
mastophora (Schmidt, 1870 as Axinella)
multiformis Vosmaer, 1882, 1885
Auletta
grantioides Lévi & Vacelet, 1958
pedunculata (Topsent, 1896)
sessilis Topsent, 1904
sycularia Schmidt, 1870
Axinella
artica (Vosmaer, 1885 as Phakellia)
arcticasetosa Hentschel, 1929
babici Vacelet, 1961
blanca Koltun, 1959
calyciformis (Lamarck, 1813)
cannabina (Esper, 1794 as Spongia)
cinnamomea sensu Schmidt, 1873
damicornis (Esper, 1794 as Spongia, also as Spongia lactuca)
dissimilis (Bowerbank, 1866 as Isodictya)
egregia Ridley, 1881
estacioi Carballo & Garcia-Gomez, 1995
flustra (Topsent, 1892 as Tragosia)
guiteli Topsent, 1896
hirondelli (Topsent, 1892 as Tragosia)
hispida Koltun, 1959
infundibuliformis (Linnaeus, 1767 as Spongia)

macrostyla Babic, 1922
mahonensis Ferrer-Hernandez, 1916
mammillata (Hanitsch, 1890)
minuta Lévi, 1957
pocillum (Bowerbank, 1866, 1874 as *Isodictya*)
polypoides Schmidt, 1862
pseudominuta Bibiloni, 1993
pumila Babic, 1922
pyramidata Stephens, 1916, 1921
rugosa Schmidt, 1875
salicina Schmidt, 1868
setosa Hentschel, 1929
subdola (Bowerbank, 1866 as *Dictyocylindrus*)
trichophora Hentschel, 1929
variabilis (Vosmaer, 1882 as *Cribrochalina*)
vasonuda Topsent, 1904
vellerea Topsent, 1904
verrucosa (Esper, 1794 as *Spongia*)
Axingella
perlucida (Topsent, 1896)
Homaxinella
informis Burton, 1930
Ophiraphidites
tortuosus Carter, 1876
Phakellia
beringensis Hentschel, 1929
bowerbanki Vosmaer, 1885
dalli Lambe, 1900
lambei Topsent, 1913
robusta Bowerbank, 1864
rugosa (Bowerbank, 1866)
ventilabrum (Linnaeus, 1767 as *Spongia*)
ventilabrumconnexiva Ridley & Dendy, 1887
Pseudaxinella
sulcata Schmidt, 1875
Stylissa
cribrosa Micklucho-Maclay, 1870

Family Bubaridae

Bubaris
carcisis Vacelet, 1969
simplicima (Bowerbank, 1866 as *Microcionia*)
sosia Topsent, 1904
subtyla Pulitzer-Finali, 1983
vermiculata (Bowerbank, 1866 as *Hymenaphia*)
vermiculata subsp. *erecta* Carter, 1876
Cerbaris
torquata Topsent, 1898, 1904, 1928
Hymerhabdia
contracta Sara & Siribelli, 1960
intermedia Sara & Siribelli, 1960
oxytrunca Topsent, 1904
papillosa Sara & Siribelli, 1960
typica Topsent, 1892
Monocrepidium
vermiculatum Topsent, 1898
Rhabdobaris
implicata Pulitzer-Finali, 1983
Skeizia
minuta Cabioch, 1968

Family Agelasidae

Agelas
oroides (Schmidt, 1864 as *Clathria*)

Family Dictyonellidae

Dictyonella
alonsoi Carballo *et al.*, 1996
incisa (Schmidt, 1880)
madeirensis (Topsent, 1928)
marsilii (Topsent, 1893)
obtusa (Schmidt, 1862 as *Acanthella*)
pelligera (Schmidt, 1862)
plicata (Schmidt, 1864)
Scopalina
azurea Bibiloni, 1993
lophyropoda Schmidt, 1862

Tethyspira
spinosa (Bowerbank, 1874 as *Tethea*)

Family Desmoxyidae

Didiscus
pseudodidiscoides (Corriero *et al.*, 1996 as *Dendroxea*)
styliferus Tsumamal, 1968
Halicnemia
arbuscula Topsent, 1928
azorica Topsent, 1928
geniculata Sara, 1958
patera Bowerbank, 1862 also as *Hymedesmia inflata*
Halicortex
loricata Sara, 1958
Heteroxya
corticata Topsent, 1898, 1904
Higginsia
mediterranea Pulitzer-Finali, 1978
pyriformis Brøndsted, 1916
strigilata (Lamarck, 1814 as *Spongia*)
thielei (Topsent, 1892)
Myrmekioderma
spelaea (Pulitzer-Finali, 1983 as *Rhaphisia*)

Family Halichondriidae

Amorphinopsis
filigrana (Schmidt, 1862 as *Reniera*)
pallescens (Topsent, 1892 as *Hymeniacion*)
Axinyssa
digitata (Cabioch, 1968 as *Pseudaxinyssa*)
Ciocalapata
almae Carballo *et al.*, 1996
Ciocalypta
penicillus Bowerbank, 1862, 1864, 1866, 1874
Coelocalypta
hyalina Pulitzer-Finali, 1978
Halichondria
agglomerans Cabioch, 1968
Halichondria?
albescens Johnston, 1842
Halichondria
arenosa Hentschel, 1929
aspera Schwartschevski, 1905, 1905
aurantiaca (Schmidt, 1864)
axinelloides Schwartschevski, 1905, 1905
bowerbanki Burton, 1930
bowerbanki subsp. *stellifera* Bretonetal., 1995
brunnea (Schmidt, 1868 as *Raspaigella*)
colossea Lundbeck, 1902
contorta (Sarà, 1961 as *Topsentia*)
convolvens Sarà, 1960
Halichondria?
coralloides Bowerbank, 1882
Halichondria
cornuloides Burton, 1954
difficilis Lundbeck, 1902
Halichondria?
diversispiculata Burton, 1930
Halichondria
dubia (Czerniavsky, 1880 as *Amorphina*)
fibrosa (Fristedt, 1887 as *Amorphina*)
foraminosa (Czerniavsky, 1880 as *Pellina*)
Halichondria?
glabra Bowerbank, 1866
Halichondria
grisea (Fristedt, 1887 as *Amorphina*)
heterorrhaphis Breitfuss, 1912
labiata Hentschel, 1929
Halichondria?
lactea (Bowerbank, 1866 as *Hymeniacion*)
Halichondria
lambei Brøndsted, 1933
leuconoides Topsent, 1892, 1904
longispicula jaltensis & suchumica & tahanrohensis
 (Czerniavsky, 1880 as *Pellina*)
Halichondria?
membrana (Bowerbank, 1866 as *Hymeniacion*)

Halichondria
nodosa (Fristedt, 1887 as Amorphina)
Halichondria?
normani Burton, 1930
Halichondria
oblonga (Hansen, 1885 as Reniera)
osculum Lundbeck, 1909
Halichondria?
paciscens (Schmidt, 1875 as Amorphina)
Halichondria
panicea (Pallas, 1766 as Spongia)
renieroides (Fristedt, 1887 as Amorphina)
semitubulosa subsp. *pontica* (Czerniavsky, 1880 as Pellina)
Halichondria (Eumastia)
sitiens (Schmidt, 1870 as Eumastia)
Halichondria
tenera (Marenzeller, 1877) Isodictya
tenuiderma Lundbeck, 1902
tenuispiculata Brøndsted, 1916
Halichondria?
topsenti DeLaubenfels, 1936
Halichondria
velamentosa (Hansen, 1880 as Amorphina)
Hymeniacion
assimilis (Levinsen, 1886)
Hymeniacion?
aurea (Montagu, 1818 as Spongia)
Hymeniacion
fallax Bowerbank, 1866
Hymeniacion?
consimilis Ferrer-Hernandez, 1914
fasciculata (Fristedt, 1887 as Amorphina)
Hymeniacion
gorbunovi Rezvoj, 1932
heliophila (Parker, 1910 as Stylotella)
kitchingi (Burton, 1935 as Rhabdostyla)
Hymeniacion?
luxurians (Lieberkühn, 1859 as Halichondria)
Hymeniacion
perlevis (Montagu, 1818 as Spongia)
Hymeniacion?
plumiger Ferrer-Hernandez, 1914
simplex Bowerbank, 1882
virgulatum Bowerbank, 1875, 1882
Leucophloeus
ibericus Ferrer-Hernandez, 1914
mixtus Sarà, 1958, 1978
Petromica
grimaldii Topsent, 1898
Stylinos
fristediti Topsent, 1892
Spongosorites
cavernicola Bibiloni, 1993
Spongosorites?
difficilis (Lundbeck, 1902)
Spongosorites
fibrosa (Fristedt, 1887 as Amorphina)
flavens Pulitzer-Finali, 1983
genitrix (Schmidt, 1870 as Amorphina)
intricatus (Topsent, 1892)
maxima Uriz, 1978
placenta Topsent, 1896
placenta subsp. *rigidior* Topsent, 1904
Topsentia
annandalei (Ferrer-Hernandez, 1922 as Oxeostilon)
fibrosa (Fristedt, 1887 as Halichondria)
garciae Bibiloni, 1993
glabra (Topsent, 1898 as Anisoxya)
pachastrelloides (Topsent, 1892, as Halichondria, 1904)
subtilis (Pulitzer-Finali, 1983 as Laminospongia)
topsenti (Lévi & Vacelet, 1958 as Spongosorites)
tenuispinosa (Topsent, 1894)

Order Poecilosclerida**Suborder Microcionina****Family Raspailiidae**

Acantheurypon
pilosella Topsent, 1904
scabiosum Topsent, 1928
Cyamon
spinispinosum (Topsent, 1892)
Dragmatyle
lictor Topsent, 1928
Endectyon
deLaubenfelsi Burton, 1930
pilosus Vacelet, 1961
teissieri Cabioch, 1968
Eurypon
cinctum Sara, 1960
clavatum (Bowerbank, 1866)
coronula (Bowerbank, 1874 as Hymeraphia)
Eurypon (Rhabdoploca)
curvispiculifera subsp. *geniculatum* (Topsent, 1892 as Hymeraphia geniculata)
Eurypon
denisae Vacelet, 1969
ditoxa Stephens, 1921
hispidulum (Topsent, 1904)
Eurypon (Acantheurypon)
incipiens (Topsent, 1928)
Eurypon
lacazei (Topsent, 1891)
longispiculum (Carter, 1874 as Microcionina)
major Sara & Siribelli, 1960
microchela Stephens, 1921
minimum (Topsent, 1892 as Hymeraphia, 1904)
Eurypon (Acantheurypon)
mixtum Topsent, 1928
mucronale (Topsent, 1928)
Eurypon
mucronatum (Topsent, 1904)
obtusum Vacelet, 1969
radiatum (Bowerbank, 1866 as Hymedesmia)
simplex (Bowerbank, 1866 as Halichondria)
Eurypon (Acantheurypon)
spinispinosum (Topsent, 1904)
Eurypon
spitzbergensis (Fristedt, 1887 as Hymeraphia)
topsenti Pulitzer-Finali, 1983
vesicularis Sara & Siribelli, 1960
Hemectyon
atlanticus (Lévi & Vacelet, 1958)
Heterectya
villosa Thiele, 1898
Hymeraphia
stellifera Bowerbank, 1864, 1866
verticillata Bowerbank, 1866
Janulum
spinispiculum (Carter, 1876 as Isodictya)
Raspaciona
aculeata (Johnston, 1842 as Halichondria)
calva Sara, 1958
robusta Sara, 1958
Raspailia
agnata (Topsent, 1896 as Axinella)
bathyalis Boury-Esnault *et al.*, 1993
Raspailia (Syringella)
falcifera Topsent, 1892, 1904
Raspailia?
formidabilis Hanitsch, 1895
freyeri Schmidt, 1862
Raspailia
gracillima Topsent, 1894
hispida (Montagu, 1818 as Spongia)
Raspailia?
howsei (Bowerbank, 1866 as Dictyocylindrus)
Raspailia (Syringella)
humilis Topsent, 1892, 1904
Raspailia

- radiosa* (Bowerbank, 1866 as Dictyocylindrus)
ramosa (Montagu, 1818 as Spongia)
 ?*Raspailia*
rectangula (Bowerbank, 1874 as Dictyocylindrus)
Raspailia
setosa (Bowerbank, 1873 as Dictyocylindrus)
ventilabrum (Bowerbank, 1866 as Dictyocylindrus)
viminalis Schmidt, 1862
virgultosa (Bowerbank, 1866 as Dictyocylindrus)
Rhabdeurypon
spinosa Vacelet, 1969
Rhabdoploca
curvispiculifera (Carter, 1880)
Tricheurypon
viride (Topsent, 1889 as Hymeraphia)
- Family Rhabderemiidae**
Rhabderemia
fascicularis Topsent, 1927, 1928
gallica VanSoest & Hooper, 1993
guernei Topsent, 1890
intexta (Carter, 1876 as Microciona)
minutula sensu Solorzano, 1991
mutans Topsent, 1927, 1928
 ?*parasitica* (Carter, 1876 as Corticium)
profunda Boury-Esnault *et al.*, 1994
spinosa Topsent, 1896
topsenti Van Soest & Hooper, 1993
toxigera Topsent, 1892
- Family Microcionidae**
Antho
arctica (Koltun, 1959 as Plocamia)
brattegardii VanSoest & Stone, 1986
circonflexa (Lévi, 1960 as Plocamilla)
coriacea (Bowerbank, 1874 as Isodictya)
coriacea subsp. *elegans* (Ridley & Dendy, 1887 as Plocamia)
dichotoma (Esper, 1794)
erecta (Ferrer-Hernandez, 1922 as Plocamilla)
fragilis (Koltun, 1959 as Plocamia)
involvens (Schmidt, 1864 as Myxilla)
involvens subsp. *inconstans* (Topsent, 1925)
lundbecki (Breitfuss, 1897)
novizelanica (Ridley, 1881)
oxeifera (Ferrer-Hernandez, 1921 as Clathria)
paradoxa (Babic, 1922)
paucispina Sara & Siribelli, 1962
Artemisina
apollinis Ridley & Dendy, 1886
arcigera (Schmidt, 1870 as Suberites)
erecta Topsent, 1904
hispanica Ferrer-Hernandez, 1919
transiens Topsent, 1892
Bubaropsis
alborani Boury-Esnault *et al.*, 1994
Clathria
acanthotoxa (Stephens, 1916, 1921 as Eurypon)
anancora (Topsent, 1904)
anchorata (Carter, 1874 as Dictyocylindrus)
angularis (Sara & Siribelli, 1960 as Microciona)
armata (Bowerbank, 1866 as Microciona)
ascendens (Cabioch, 1968 as Microciona)
assimilis (Topsent, 1925 as Microciona)
atrasanguinea (Bowerbank, 1862, 1866 as Microciona)
barleei (Bowerbank, 1866 as Isodictya)
basifixia (Topsent, 1913 as Ophlitaspongia)
bitoxa (Burton, 1930 as Hymantho)
campecheae Hooper, 1996
cantabrica (Orueta, 1901)
chelifera Lévi, 1960
cleistochela (Topsent, 1925)
compressa Schmidt, 1862
coralloides (Olivi, 1792)
ctenichela (Alander, 1942 as Microciona)
delicata Lambe, 1900
depressa Sara & Melone, 1966
dianae (Schmidt, 1875 as Suberites)
ditoxa (Stephens, 1916 as Eurypon)
duplex (Sara, 1958 as Microciona)
elliptichela (Alander, 1942 as Microciona)
fallax (Bowerbank, 1866 as Microciona)
fregeti (Vacelet, 1969 as Microciona)
frondiculata (Schmidt, 1864)
gradalis Topsent, 1925
haplotoxa (Topsent, 1928 as Microciona)
heterotoxa (Hentschel, 1929 as Microciona)
hjorti (Arnesen, 1920)
intermedia (Burton, 1930 as Paresperia)
jolicoeuri (Topsent, 1892 as Rhabdophylus)
laevis (Bowerbank, 1866 as Microciona)
levii (Sara & Siribelli, 1960 as Microciona)
macrochela (Lévi, 1960)
marissuperi Pulitzer-Finali, 1983
microchela (Stephens, 1916, 1921)
normani (Burton, 1930 as Hymantho)
osismica (Cabioch, 1968 as Microciona)
plurityla Pulitzer-Finali, 1983
palmatichela (Topsent, 1928 as Hymedesmia)
poecilosclera (Sara & Siribelli, 1960 as Microciona)
primitiva (Koltun, 1956)
schmitti (De Laubenfels, 1942 as Echinoclathria)
seriata (Grant, 1826)
spinarcus (Carter & Hope, 1889 as Microciona)
strepstoxa (Carter & Hope, 1889 as Microciona)
tenuissima (Stephens, 1916, 1921 as Eurypon)
toximajor (Topsent, 1925)
toxirecta (Sara & Siribelli, 1960 as Microciona)
toxistricta Topsent, 1925
toxistyla (Sara, 1959 as Microciona)
toxitenuis Topsent, 1925
toxivaria (Sara, 1959 as Microciona)
translata (Pulitzer-Finali, 1978 as Ophlitaspongia)
Clathria?
tricurvatifera Carter, 1876
Melonchela
clathriata Koltun, 1955, 1959
Ophlitaspongia?
papilla Ferrer-Hernandez, 1914, 1921
- Family Iophonidae**
Aearnus
levii Vacelet, 1960
tortilis Topsent, 1892
Acheliderma
lemniscata Topsent, 1892
Anisotylacantha
curvata Vacelet, 1969
Astylinifer
planus Topsent, 1904
Cornulotrocha
cheliradians Topsent, 1927
Cornulum
enteromorphoides Fristedt, 1887
textile Carter, 1876
ascidioides Fristedt, 1887
Iophon
chelifer Ridley & Dendy, 1886
doglieli Koltun, 1955
dubius (Hansen, 1880)
frigidus Lundbeck, 1909
frigidus subsp. *gracilis* Hentschel, 1929
funis Topsent, 1892
hyndmani (Bowerbank, 1864, 1866 as Halichondria)
nigricans (Bowerbank, 1866 as Halichondria)
piceus (Vosmaer, 1882, 1885 as Alebion)
pommeraniae Thiele, 1903
scandens (Bowerbank, 1866 as Halichondria)
spinulentum (Bowerbank, 1866 as Microciona)
variopocillatus Alander, 1942
Quintoxilla
arcitenens (Topsent, 1892 as Myxilla)
- Suborder Myxillina**

Family Tedaniidae*Tedania*

- anhelans* (Lieberkühn, 1859 as Halichondria)
commixta Ridley & Dendy, 1886
conuligera Topsent, 1892, 1904
flexistrongyla Koltun, 1959
fragilis Lambe, 1900
phacellina Topsent, 1928
suctoria Schmidt, 1870

Family Myxillidae*Hymenancora*

- conjungens* Lundbeck, 1910
duplicata (Lundbeck, 1910 as Hymedesmia)
interjecta Lundbeck, 1910
pecqueryi (Topsent, 1892, 1904 as Myxilla)
pectinata (Topsent, 1892 as Dendoryx)
tenuisclera (Lundbeck, 1910 as Hymedesmia)

Melonanchora

- elliptica* Carter, 1874
emphysema (Schmidt, 1875 as Desmacidon)

Myxilla

- acribaria* De Laubenfels, 1942
barentsi Vosmaer, 1885
behringensis Lambe, 1900
brunnea (Hansen, 1880)
dentata Topsent, 1928
diversiancorata Lundbeck, 1905
fasciculata (Pallas, 1766)

Myxilla?

- fibrosa* Levisen, 1893

Myxilla

- fimbriata* (Bowerbank, 1866 as Isodictya)
fimbriata subsp. *flexitornota* Rezvoi, 1925

Myxilla (Stelodoryx)

- flabellata* Burton, 1959

Myxilla

- hastatipiculata* Schwartzchevski, 1905
incrustans (Johnston, 1842 as Halichondria)
incrustans subsp. *reses* (Topsent, 1892 as Dendoryx)
incrustans subsp. *viscosa* (Topsent, 1892, 1904 as Dendoryx)
inequitornota Burton, 1931
iophonoides Schwartzchevski, 1905
iotrochotina (Topsent, 1892 as Dendoryx)
macrosigma Boury-Esnault, 1971
mariana subsp. *polysigma* Topsent, 1904
parasitica (Lambe, 1900)
pedunculata Lundbeck, 1905
perspinosa Lundbeck, 1909

Myxilla (Stelodoryx)

- pluridentata* (Lundbeck, 1905)
procera Topsent, 1904

Myxilla

- prouhoi* (Topsent, 1892 as Damiria)
rosea (Lieberkühn, 1859 as Halichondria)

Myxilla?

- septentrionalis* Fristedt, 1887

Myxilla

- tridens* Schmidt, 1864
veneta Schmidt, 1862

Paramyxilla

- mediterranea* Sara & Siribelli, 1960

Plocamiancora

- arndti* Alander, 1942

Styloptilon

- anchoratum* Cabioch, 1968

Family Iotrochotidae*Iotroata*

- abyssi* (Carter, 1874 as Halichondria)
acanthostylifera (Stephens, 1916, 1921 as Iotrochota)
affinis (Lundbeck, 1909 as Iotrochota)
magna (Lambe, 1900 as Iotrochota)
oxeata (Lundbeck, 1909 as Iotrochota)
polydentata (Lundbeck, 1905 as Iotrochota)
rotula (Topsent, 1904 as Hymetrochota)

- rotulancora* (Lundbeck, 1909 as Iotrochota)
spinosa (Lundbeck, 1905 as Iotrochota)
topsendi (Burton, 1930 as Hymenotrocha)
varidens (Lundbeck, 1905 as Iotrochota)

Family Crambeidae*Crambe*

- crambe* (Schmidt, 1862 as Suberites)
tailliezi Vacelet & Boury-Esnault, 1982
tuberosa Maldonado & Benito, 1991

Discorhabdella

- hindei* Boury-Esnault *et al.*, 1992
tuberoscapitatum (Topsent, 1892 as Hymeraphia, 1904)

Family Desmacididae*Desmacidon*

- adriaticum* Sara, 1969
Desmacidon?
anceps Schmidt, 1874

Desmacidon

- fruticosum* (Montagu, 1818 as Spongia)
funicatus Schmidt, 1870
peltatus Topsent, 1904

Family Dendoricellidae*Dendoricella*

- abyssi* (Topsent, 1904 as Desmacidon)
flabelliformis (Hansen, 1885 as Myxilla)
rhopalum Lundbeck, 1905

Family Coelosphaeridae*Chaetodoryx*

- insinuans* (Topsent, 1936 as Coelectyx)

Coelosphaera

- appendiculatum* (Carter, 1874 as Histoderma)

Coelosphaera (Histodermion)

- cryosi* (Boury-Esnault *et al.*, 1994)

Coelosphaera

- macrosigma* (Topsent, 1892 as Gellius)
phlyctenodes (Carter, 1876 as Halichondria)
physa (Schmidt, 1875 as Desmacidon)
picoensis Topsent, 1928
tunicata (Schmidt, 1870 as Desmacidon)

Echinostylinos

- reticulatus* Topsent, 1927

Ectydoryx

- atlanticus* Stephens, 1916, 1921
balanoides Koltun, 1959
clavigera (Levisen, 1887)
derjugini (Breitfuss, 1897)
foliatus (Fristedt, 1887 as Hastatus)
indistinctus (Fristedt, 1887 as Hastatus)
kovdaicum (Rezvoj, 1932)
loyningi Burton, 1934
multiformis Brøndsted, 1932
olgae Hentschel, 1929
oligacantha Hentschel, 1929

Forcepia

- assimilis* (Lundbeck, 1905 as Leptolabis)
brunnea (Topsent, 1904 as Forcepia forcipula brunnea)
bulbosa (Carter, 1876 as Halichondria forcipis bulbosa)
covergens (Topsent, 1928 as Leptolabis)
dentifera (Topsent, 1928 as Clinolabis)
exilis (Topsent, 1892 as Leptosia)
fabricans (Schmidt, 1874 as Esperia)
forcipis (Bowerbank, 1866)
forcipula Topsent, 1904
fragilis Stephens, 1917
groenlandica Fristedt, 1887
imperfecta Topsent, 1904
luciensis (Topsent, 1888 as Dendoryx)
megachela (Maldonado, 1992 as Leptolabis)
psammophila (Cabioch, 1968 as Ectoforcepia)
pustula (Fristedt, 1887 as Esperia)
thielei Lundbeck, 1905
topsendi Lundbeck, 1905
versatilis Topsent, 1904

Histodermella?

- apuliae* Sara, 1969 (=?Forcepia)
- Histodermella**
- ingolffi* Lundbeck, 1905
- Inflatella**
- pellicula* Schmidt, 1875
- rhodus* (Hentschel, 1929 as Hymedesmia)
- tubulosa* (Topsent, 1904)
- viridis* (Topsent, 1892 as Joyeuxia)
- Lissodendoryx?**
- amaknakensis* (Lambe, 1900)
- Lissodendoryx**
- basispinosa* Sara, 1958
- caduca* (Schmidt, 1868)
- Lissodendoryx (Anomodoryx)**
- cavernosa* (Topsent, 1892 as Damiria)
- Lissodendoryx**
- certa* (Topsent, 1892 as Dendoryx)
- complicata* (Hansen, 1885)
- corallorhizoides* (Fristedt, 1887 as Clathria)
- diversichela* Lundbeck, 1905
- fertilior* Topsent, 1904
- Lissodendoryx?**
- firma* (Lambe, 1900)
- Lissodendoryx**
- fragilis* (Fristedt, 1885 as Hastatus)
- isodictyalis* (Carter, 1882)
- isodictyalis* subsp. *paucispinosa* Topsent, 1928
- laxa* De Laubenfels, 1935
- lobosa* Lundbeck, 1905
- lundbecki* Topsent, 1913
- Lissodendoryx (Waldoschmittia)**
- mediterranea* (Sara & Siribelli, 1960 as Paramyxilla)
- Lissodendoryx**
- polymorpha* Topsent, 1928
- Lissodendoryx (Waldoschmittia)**
- schmidti* (Ridley, 1884)
- Lissodendoryx**
- simplex* (Topsent, 1928)
- sophia* (Fristedt, 1887 as Esperia)
- stipitata* (Arnesen, 1903)
- vicina* Lundbeck, 1905
- Family Crellidae**
- Anisocrella**
- hymedesmina* Topsent, 1927
- Crella**
- akraleitae* (Brøndsted, 1932 as Grayella)
- alba* (Vacelet, 1969 as Pytheas)
- albula* (Bowerbank, 1866 as Halichondria)
- atra* (Topsent, 1892, 1904 as Pytheas)
- basispinosa* Burton, 1931
- carnosa* (Topsent, 1904 as Yvesia)
- digitifera* (Lévi, 1959 as Pytheas)
- dispar* (Topsent, 1904 as Yvesia)
- donsi* Burton, 1931
- elegans* (Schmidt, 1862 as Cribrella)
- fallax* (Topsent, 1892, 1904 as Yvesia)
- fusifera* Sara, 1969
- gelida* Lundbeck, 1910
- gergensteini* (Schwartzchevski, 1880 as Amphilectus)
- gracilis* (Alander, 1942 as Yvesia)
- guernei* (Topsent, 1892, 1904 as Yvesia)
- hanseni* (Topsent, 1892, 1904 as Yvesia)
- hospitalis* (Schmidt, 1870)
- jaegerskioeldi* Alander, 1937
- linguifera* (Topsent, 1892, 1904 as Yvesia)
- lobata* (Arnesen, 1903 as Yvesia)
- mamillata* (Arnesen, 1903 as Yvesia)
- mollior* Topsent, 1925
- nodulosa* Sara, 1969
- papillosa* (Schmidt, 1870 as Cribrella)
- pedunculata* (Topsent, 1892 as Yvesia)
- pertusa* (Topsent, 1892, 1904 as Yvesia)
- polymastia* (Thiele, 1903 as Grayella)
- pulvinar* (Schmidt, 1868 as Myxilla)
- pyrula* (Carter, 1876 as Cometella)
- richardi* (Topsent, 1892, 1904 as Yvesia)
- ridleyi* (Topsent, 1892, 1904 as Yvesia)
- rosea* (Topsent, 1892 as Yvesia)
- rubiginosa* (Schmidt, 1862 as Myxilla)
- schottlander* Arndt, 1913
- sigmata* (Topsent, 1925)
- topsenti* (Babiç, 1922 as Grayella)
- Crellastrina**
- alecto* (Topsent, 1898 as Yvesia)
- Crellomima**
- derma* Hentschel, 1929
- imparidens* Rezvoy, 1923
- incrustans* Hentschel, 1929
- Family Hymedesmiidae**
- Hamigera**
- hamigera* (Schmidt, 1862 as Cribrella)
- stipitata* Arnesen, 1903
- Hemimycale**
- columella* (Bowerbank, 1866 as Desmacidon)
- Herceus**
- orientalis* Koltun, 1959
- Hymedesmia**
- acerata* (Topsent, 1904)
- aequatus* Lundbeck, 1910
- baculifera* (Topsent, 1901)
- basispinosa* Lundbeck, 1910
- biscutella* Topsent, 1928
- bocki* Alander, 1942
- bowerbanki* Lundbeck, 1910
- bractea* Lundbeck, 1910
- castanea* Sara, 1964
- chlorosa* Alander, 1942
- clavigera* (Levinsen, 1887 as Esperella)
- consanguinea* Lundbeck, 1910
- constellata* (Topsent, 1904 as Leptosastra)
- cordichela* Alander, 1942
- coriacea* (Fristedt, 1885 as Stylopus)
- coronula* (Bowerbank, 1866 as Hymeraphia)
- crux* (Schmidt, 1875 as Desmacidon)
- curvichela* Lundbeck, 1910
- depressa* Topsent, 1928
- derjugini* (Breitfuss, 1897)
- dermata* Lundbeck, 1910
- digitata* Lundbeck, 1910
- donsi* Alander, 1937
- dubia* (Lundbeck, 1910)
- ebria* Alander, 1937
- filifera* (Schmidt, 1870 also as Desmacidon tunicatum)
- flaccida* Topsent, 1928
- gisleni* Alander, 1942
- gracilisigma* Topsent, 1928
- grandis* Lundbeck, 1910
- gunhildae* Alander, 1942
- gustafsoni* Alander, 1942
- hallmanni* Topsent, 1928
- helgae* Stephens, 1916, 1921
- hibernica* Stephens, 1916, 1921
- inflata* (Alander, 1937s Hymoxenia)
- inflata* Vacelet, 1969
- irregularis* Lundbeck, 1910
- jecusculum* (Bowerbank, 1866 as Hymeniacion)
- jugalis* Topsent, 1928
- koehleri* (Topsent, 1896)
- lacera* Lundbeck, 1910
- lamina* Lundbeck, 1910
- latrunculioides* Lundbeck, 1910
- lenta* Descatoire, 1966
- levis* Lundbeck, 1910
- lobichela* Topsent, 1928
- longistylus* Lundbeck, 1910
- longurius* Lundbeck, 1910
- macrosigma* Lundbeck, 1910
- mamillaris* (Fristedt, 1885 as Hastatus)
- manubriata* (Topsent, 1928)
- matthesi* Arndt, 1941

- mertoni?* sensu Boury-Esnault & Lopes, 1985
microchela Alander, 1942
minuta Alander, 1935
mollis Lundbeck, 1910
mucronata (Topsent, 1913)
mucronella Lundbeck, 1910
mutabilis (Topsent, 1904)
mutabilis subsp. *costata* Topsent, 1928
nigrescens (Topsent, 1925)
norvegica Thiele, 1903
nummulus Lundbeck, 1910
obtusata Topsent, 1928
occulta Bowerbank, 1874
odhneri (Alander, 1942 as Stylopus)
omissa Topsent, 1938
oxneri Topsent, 1928
pachychela Topsent, 1928
pansa Bowerbank, 1882
paupertas (Bowerbank, 1866 as Hymeniacion)
peachi Bowerbank, 1882
pennata Brøndsted, 1932
perforata Lundbeck, 1910
pilata Bowerbank, 1882
planca Lundbeck, 1910
planisigma Topsent, 1928
plicata Topsent, 1928
poicilacantha Alander, 1942
primitiva Lundbeck, 1910
procumbens Lundbeck, 1910
proteida (Schmidt, 1875)
proxima Lundbeck, 1910
pugio Lundbeck, 1910
pulposa (Topsent, 1925)
rhapigena (Topsent, 1904 as Leptosia)
rissoi (Topsent, 1936)
rugosa Lundbeck, 1910
senegalensis Lévi, 1952
serrulata Vacelet, 1969
simillima Lundbeck, 1910
similis Lundbeck, 1910
sirventi (Topsent, 1928 as Leptosia)
spinosa Stephens, 1916, 1921
splenium Lundbeck, 1910
stephensi (Burton, 1930 as Ectyodoryx)
storea Lundbeck, 1910
stylata Lundbeck, 1910
stylifer (Alander, 1942 as Stylopus)
tenuicula Lundbeck, 1910
tenuisigma Lundbeck, 1910
thielei Alander, 1942
trichoma Lundbeck, 1910
truncata Lundbeck, 1910
umbellifera (Topsent, 1904)
veneta (Schmidt, 1862)
versicolor (Topsent, 1893)
verrucosa Lundbeck, 1910
vidua (Schmidt, 1875 as Spirastrella)
vomerula Topsent, 1928
zetlandica Bowerbank, 1866
- Phorbas**
arneseni Topsent, 1913
baffini (Brøndsted, 1933 as Stylostichon)
bihamigerum (Waller, 1878)
demonstrans (Topsent, 1892 as Suberotelites)
dendyi (Topsent, 1892 as Stylostichon)
dives (Topsent, 1891 as Microcion)
equiosculatum (Pansini, 1987 as Stylostichon)
fibulatum Topsent, 1893
fictitius (Bowerbank, 1866 as Microcion)
kovdaicum (Rezvoi, 1932)
lieberkuehni (Burton, 1930)
mercator (Schmidt, 1868)
microchelifer (Cabioch, 1968 as Pronax)
microcionides (Carter, 1876 as Plumohalichondria)
papillata (Arnesen, 1903 as Plumohalichondria)
- paupertas?* sensu Boury-Esnault, 1971
perarmatus (Bowerbank, 1866 as Hymeniacion)
plumosus (Montagu, 1818 as Spongia)
posidoni Voultziadou & Van Soest, 1991
repens (Topsent, 1904 as Pronax)
roemeri (Hentschel, 1929 as Anchinoe)
spec. aff. stylata Burton, 1930
tenacior (Topsent, 1925)
- Plocamionida**
ambigua (Bowerbank, 1866 as Microcion)
Pseudohalichondria
clavatancora (Topsent, 1928 as Acanthancora)
schmidti (Topsent, 1898 as Leptosia)
- Spanioplona**
armaturum (Bowerbank, 1866 as Hymeniacion)
fertile Topsent, 1892, 1904
osculosum (Topsent, 1892 as Amphilectus)
- Suborder Mycalina**
Family Mycalidae
Esperiopsis
artemisiae Brøndsted, 1932
columnata Topsent, 1904
decora Topsent, 1904
digitata Miklucho-Maclay, 1870
forcipula Lundbeck, 1905
fuorum (Esper, 1794)
glomeris Topsent, 1904
incognita Stephens, 1916, 1921
lobata (Montagu, 1818 as Spongia)
macrosigma Stephens, 1916, 1921
pedicellata Lundbeck, 1905
polymorpha Topsent, 1892, 1904
praedita Topsent, 1892, 1904
rigida Lambe, 1900
schmidti Arnesen, 1903
strongylatus (Alander, 1942 as Amphilectus)
strongylophora Vacelet, 1969
typichela Lundbeck, 1909
villosa (Carter, 1874 as Esperia)
- Mycale**
adhaerens (Lambe, 1893)
adhaerens subsp. *fibrosa* Koltun, 1959
- Mycale?**
albicans (Topsent, 1892 as Esperella)
- Mycale**
arctica (Fristedt, 1887 as Esperia lingua)
- Mycale (Raphidotheca)**
arctica Hentschel, 1929
- Mycale (Paresperella)**
atlantica Stephens, 1917
- Mycale**
bolivari Ferrer-Hernandez, 1914
borassus (Carter, 1876 as Esperia)
- Mycale?**
bowerbanki (Schmidt, 1862 as Esperia)
- Mycale**
contareni (Martens, 1824)
contareni pontica & flava (Czerniavsky, 1880 as Esperia)
dentata Sara, 1958
dubia (Czerniavsky, 1880 as Esperia)
fascibula (Topsent, 1904)
- Mycale?**
foraminosa (Schmidt, 1862 as Esperia)
- Mycale**
foraminosa pontica & dura (Czerniavsky, 1880 as Esperia)
- Mycale?**
hamata (Topsent, 1892 as Esperella).
- Mycale**
helios (Fristedt, 1887 as Esperia)
- Mycale (Oxymycale)**
intermedia (Schmidt, 1874 as Esperia)
- Mycale**
irregularis (Czerniavsky, 1880 as Esperia)
lanugo (Schmidt, 1875 as Esperia)

- lindbergi* Koltun, 1958, 1959
lingua (Bowerbank, 1866 as Raphiodesma)
lobimana (Czerniavsky, 1880 as Protoesperia)
longistyla Koltun, 1958, 1959
Mycale (*Gomphostegia*)
loricata Topsent, 1896, 1904
Mycale
loveni (Esper, 1887 as Esperia)
macilenta (Bowerbank, 1866 as Hymeniacidon, also as H. floreum)
marshallhalli (Kent, 1870 as Rhapsidotheca)
massa (Schmidt, 1862 as Esperia)
micracanthoxea Buizer & Van Soest, 1977
minima (Waller, 1880 as Rhapsiodesma)
Mycale?
mollis (Topsent, 1892 as Esperella)
Mycale
muscooides (Czerniavsky, 1880 as Esperia)
papillosa Koltun, 1959
papillosa subsp. *dulkeiti* Koltun, 1959
papillosa subsp. *ochotensis* Koltun, 1959
retifera Topsent, 1924
rotalis (Bowerbank, 1874 as Desmacidon)
sanguinea Tsurumal, 1969
serrulata Sara & Siribelli, 1960
similaris (Bowerbank, 1874 as Rhapsiodesma, incl. R. sordida)
strelnicovi Rezvoi, 1932
syrinx (Schmidt, 1862 as Esperia and E. lorenzi)
titubans (Schmidt, 1870 as Desmacidon)
toporoki Koltun, 1958, 1959
Mycale?
tuberosa (Schmidt, 1868 as Esperia)
Mycale
tunicata (Schmidt, 1862 as Esperia)
tylota Koltun, 1958, 1959
varpachowski Schwartschevski, 1905
Mycale?
velutata (Schmidt, 1862 as Esperia)
Mycale
vosmaeri (Levinsen, 1886 as Esperella)
Phlyctaenopora
bitorquis Topsent, 1904
Ulosa
stuposa (Esper, 1794 as Spongia)
tenellula Pulitzer-Finali, 1983
tubulata Pulitzer-Finali, 1983
Family Cladorhizidae
Asbestopluma
bihatifera (Carter, 1876 as Esperia cupressiformis b.)
cupressiformis (Carter, 1874 as Esperia)
furcata Lundbeck, 1905
gracilis Koltun, 1955
hydra Lundbeck, 1905
hypogea Vacelet & Boury-Esnault, 1996
infundibulum (Levinsen, 1886)
lycopodium (Levinsen, 1886)
minuta (Lambe, 1900)
pennatula (Schmidt, 1875 as Cladorhiza)
quadriserialis Tendal, 1973
ramosa Koltun, 1958
versatilis Topsent, 1904
Chondrocladia
alaskensis Lambe, 1900
burtoni Tendal, 1973
gigantea (Hansen, 1880)
pulchra Lambe, 1900
virgata Thomson, 1872
Cladorhiza
abyssicola Sars, 1872
arctica Burton, 1946
bathyrinoides Koltun, 1955
corticocancellata Carter, 1876 as C. abyssicola c.
gelida Lundbeck, 1905
nobilis Fristedt, 1887
nordensioeldi Fristedt, 1887
oxeata Lundbeck, 1905
tenuisigma Lundbeck, 1905
Euchelipluma
pristina Topsent, 1919
Family Desmacellidae
Biemna
dautzenbergi Topsent, 1892, 1904
gemmulifera Breitung, 1897
parthenopea Pulitzer-Finali, 1978
rosea (Fristedt, 1887 as Desmacella)
tenuisigma Pulitzer-Finali, 1978
variantia (Bowerbank, 1858 as Desmacella)
variantia subsp. *peracuta* (Topsent, 1927, 1928)
Desmacella
annexa Schmidt, 1870, 1875
campechiana (Topsent, 1889)
corrugata (Bowerbank, 1866)
grimaldi (Topsent, 1892, 1904 as Biemna)
groenlandica Fristedt, 1887 as D. peachi g.
hamifera Lundbeck, 1909
informis Stephens, 1916, 1921
inornata (Bowerbank, 1866 as Halichondria)
meliorata Wiedenmayer, 1978
peachi sensu Ferrer-Hernandez, 1914
pumilio Schmidt, 1870
suberea (Schmidt, 1870 as Desmacodes)
vagabunda Schmidt, 1870
velutata (Renier as Spongia cf. Lieberkühn, 1859)
Drigmatella
aberrans Topsent, 1892
Family Hamacanthidae
Hamacantha
carteri Topsent, 1904
falcula (Bowerbank, 1866 as Halichondria)
integra Topsent, 1904
johnsoni (Bowerbank, 1864)
johnsoni subsp. *complanata* Topsent, 1892
johnsoni subsp. *inelegans* Topsent, 1892
lundbecki Topsent, 1904
megancistra Pulitzer-Finali, 1978
papillata Vosmaer, 1885
schmidti (Carter, 1874)
Merlia
normani/deficiens Kirkpatrick, 1908
Pozziella
clavisaepa Topsent, 1896, 1904
Family Guitarridae
Guitarra
fimbriata Carter, 1874
laplani Boury-Esnault *et al.*, 1993
solorzanoi Cristobo, 1998
voluta Topsent, 1904
Family Isodictyidae
Isodictya
histodermella De Laubenfels, 1942
palmata (Ellis & Solander, 1786 as Spongia)
Order Haplosclerida
Family Petrosiidae
Petrosia
clavata (Esper, 1794 as Spongia)
crassa (Carter, 1876 as Reniera)
ficiformis (Poiret, 1798)
intermedia similis & taurica & horhippiana & dioscuriae (Czerniavsky, 1880 as Schmidtia)
raphida Boury-Esnault *et al.*, 1994
vansoesti Boury-Esnault *et al.*, 1994
Xestospongia
friabilis (Topsent, 1892 as Petrosia)
magna (Vacelet, 1969 as Reniera)
plana (Topsent, 1892 as Reniera)
variabilis (sensu Topsent, 1892 as Petrosia)
Family Phloeodictyidae

- Aka*
infesta (Johnson, 1889)
- Calyx*
nicaensis (Risso, 1826)
tufa (Ridley & Dendy, 1886)
- Oceanapia*
aereum (Topsent, 1904)
constructa (Rützler, 1965 as Phloeodictyum)
coriacea (Topsent, 1904)
decipiens (Sara, 1958, 1964 as Phloeodictyon)
elongata (Topsent, 1892, 1904 as Rhizochalina)
fistulosa (Bowerbank, 1873)
isodictyiformis (Carter, 1882 as Phloeodictyon)
minor (Sarà, 1958 as Phloeodictyon)
nodulosa (Topsent, 1927)
perforata (Sarà, 1960)
putridosa (Lamarck, 1813 as Spongia)
reticulata Topsent, 1904
robusta (Bowerbank, 1866 as Isodictya)
tuber (Lundbeck, 1909)
vacua (Sarà, 1961 as Phloeodictyon)
- Family Callyspongiidae**
- Callyspongia*
septimaniensis Griessinger, 1971
subcornea Griessinger, 1971
- Chalinopsilla*
tuba Von Lendenfeld, 1889
- Siphonochalina*
balearica Ferrer-Hernandez, 1916
coriacea Schmidt, 1868
expansa Sarà, 1960
- Family Niphathidae**
- Gelliodes*
bifacialis Topsent, 1904
fayalensis Topsent, 1892
- Hemigellius*
arcoferus (Vosmaer, 1885 as Gellius)
hartlaubi (Hentschel, 1929 as Gellius)
plexus (Lundbeck, 1909 as Gelliodes)
porosus (Fristedt, 1887 as Desmacella)
pumiceus (Fristedt, 1885 as Desmacella)
- Hemigellius?*
styliiferus (Von Lendenfeld, 1897 as Gellius)
- Pachychalina?*
artica Miklucho-Maclay
fracta Hentschel, 1929
gracilentata Ferrer-Hernandez, 1914
gracilis Miklucho-Maclay
- Pachychalina*
rustica Schmidt, 1868
- Pachychalina?*
schmidti Lundbeck, 1902
- Family Chalinidae**
- Chalinula*
fertilis Keller, 1880
limbata (Montagu, 1818 as Spongia)
loosanoffi (Hartman, 1958 as Haliclona)
nigra Boury-Esnault & Lopes, 1985
renieroides (Schmidt, 1868)
- Cladocroce*
fibrosa Topsent, 1892, 1904
spathiformis Topsent, 1904
- Dendroxea*
adumbrata Corriero *et al.*, 1996
lenis (Topsent, 1892 as Reniera)
- Haliclona*
accomodata (Schmidt, 1868 as Reniera)
alba (Schmidt, 1862 as Reniera)
albapontica & *polypoides* (Czerniavsky, 1880 as Reniera)
angulata (Bowerbank, 1866 as Halichondria)
aperta (Sarà, 1960 as Reniera)
aquaeductus (Schmidt, 1862 as Reniera)
aquaeductus subsp. *taurica* (Czerniavsky, 1880 as Reniera)
- artica* (Fristedt, 1887 as Reniera)
artica (Hentschel, 1916 as Gellius)
arenata Griessinger, 1971
binaria (Topsent, 1927 as Gellius)
bioxeata Boury-Esnault *et al.*, 1994
bowerbanki Ferrer-Hernandez
bulbifera (Schwartzschevski, 1905)
calanus Lundbeck, 1909
calyx (Ridley & Dendy, 1886 as Gellius)
caspia (Grimm, 1885)
cinerea (Grant, 1826 as Spongia)
citrina (Topsent, 1892 as Reniera)
clavata (Levinsen, 1886 as Reniera)
- Haliclona?*
columbae (Walker, 18xx as Spongia)
- Haliclona*
cratera (Schmidt, 1862 as Reniera)
cribrata (Pulitzer-Finali, 1983 as Adocia)
cribrosa (Czerniavsky, 1880 as Pellinula)
cucurbitiformis (Kirkpatrick, 1907)
cylindrigera (Czerniavsky, 1880 as Tedaniella)
digitata subsp. *pontica* (Czerniavsky, 1880 as Cacochalina)
dubia (Babic, 1922)
- Haliclona?*
esperii (Arnesen, 1903 as Gellius)
- Haliclona*
fibulata (Schmidt, 1862 as Reniera)
fistulosa (Bowerbank, 1866 as Isodictya)
fistulosa subsp. *latens* (Topsent, 1892 as Reniera)
flagellifera (Ridley & Dendy, 1886 as Gellius)
flavescens (Topsent, 1893)
folium (Schmidt, 1870 as Chalinula)
foraminosa (Czerniavsky, 1880 as Protoschmidia f. *incrustans* & *mamillata* & *actiniformis* & *latissima* & *nomada* & *aurantiaca*)
fulva (Topsent, 1893 as Reniera)
glacialis Hentschel, 1916
gracilis (Miklucho-Maclay)
griessingeri Van Lent & De Weerd, 1987
grimmi (Czerniavsky, 1880 as Protoschmidia, incl. g. *incrustans* & *incrassata*)
groenlandica (Fristedt, 1887 as Chalina)
grossa (Schmidt, 1864 as Reniera)
hirsuta Schwartzschevski, 1905
- Haliclona?*
hyalina (Schmidt, 1873 as Esperia)
- Haliclona*
implexa (Schmidt, 1868 as Reniera)
indistincta (Bowerbank, 1866 as Isodictya)
inflata (Schmidt, 1862 as Reniera)
inflata subsp. *taurica* (Czerniavsky, 1880 as Reniera)
informis subsp. *taurica* (Czerniavsky, 1880 as Reniera)
irregularis (Czerniavsky, 1880 as Cacochalina)
lacazei (Topsent, 1892)
laevis (Griessinger, 1971 as Adocia)
laurentina (Lambe, 1900)
laxa (Topsent, 1892 as Rhaphisia)
mamillata (Griessinger, 1971 as Reniera)
marismedi (Pulitzer-Finali, 1978 as Gellius)
mediterranea Griessinger, 1971
membranacea (Schmidt, 1868 as Reniera)
merejkowskii Schwartzschevski, 1905
microsigma (Babic, 1922 as Gellius)
microtoxa (Lundbeck, 1909)
microxifer (Topsent, 1925 as Reniera)
mollicula (Lundbeck, 1902)
mollis (Schmidt, 1868 as Siphonochalina)
mollis (Lambe, 1900)
mucosa (Griessinger, 1971 as Reniera)
neens (Topsent, 1918)
nigricans (Czerniavsky, 1880 as Reniera)
oculata (Pallas, 1766 as Spongia)
omissa (Griessinger, 1971 as Reniera)
palmata (?Ellis & Solander, 1791 as Spongia)

palmonensis Carballo & Garcia-Gomez, 1995
papillifera (Schwartzschevski, 1905)
Haliclona?
parasitica (Bowerbank, 1866 as *Isodictya*)
Haliclona
parenchyma Lundbeck, 1902
parietalis (Topsent, 1893 as *Reniera*)
perlucida (Griessinger, 1971 as *Reniera*)
pocilliformis (Griessinger, 1971 as *Reniera*)
poecillastroides (Vacelet, 1969 as *Reniera*)
pons (Schmidt, 1870 as *Reniera*)
primitiva (Lundbeck, 1902)
protochalina (Czerniavsky, 1880 as *Amorphina*)
proxima (Lundbeck, 1909)
pulcherrima (Fristedt, 1885)
pulchra (Schwartzschevski, 1905)
Haliclona?
pyrrhi (Hanitsch, 1895 as *Gellius*)
Haliclona
rava (Stephens, 1912, 1917 as *Gellius*)
Haliclona?
rectangularis (Ridley & Dendy, 1886)
Haliclona
reptans (Griessinger, 1971 as *Adocia*)
rhopidiophora (Brøndsted, 1933 as *Gellius*)
rosea (Bowerbank, 1866 as *Isodictya*)
rossica (Hentschel, 1929 as *Reniera*)
sarai (Pulitzer-Finali, 1969 as *Reniera*)
schmidti (Czerniavsky, 1880 as *Pellinula*)
Schwartzschevski, 1905ji (Hentschel, 1929)
semitubulosa sensu Lieberkühn, 1859 as *Halichondria*
simplex (Czerniavsky, 1880 as *Protoschmidtia*, incl. s. caucasica & taurica)
simulans (Johnston, 1842 as *Halichondria*)
solowetzkaja (Hentschel, 1929 as *Reniera*)
spatula (Lundbeck, 1902 as *Chalina*)
spissa (Topsent, 1892 as *Thrinacophora*)
spitzbergensis Hentschel, 1916
spongiosa (Topsent, 1904)
steueri Burton, 1936
stirpescens (Topsent, 1925 as *Reniera*)
subtilis Griessinger, 1971
tenera (Marenzeller)
tenuisigma (Sarà & Siribelli, 1960 as *Gellius*)
transitans (Czerniavsky, 1880 as *Protoschmidtia*)
Haliclona?
tromsoica (Hentschel, 1929 as *Reniera*)
Haliclona
uncinata (Topsent, 1892 as *Gellius*)
urceola (Rathke & Vahl, 1806 as *Spongia*)
utricula (Topsent, 1904)
valliculata Griessinger, 1971
varia (Bowerbank, 1875)
varia (Sarà, 1958 as *Adocia*)
variatabulata (Sarà, 1958 as *Adocia*)
vega (Fristedt, 1887 as *Chalina*)
venata (Sarà, 1960 as *Adocia*)
ventilabrum (Fristedt, 1887 as *Reniera*)
viridis (Keller, 1881)
viscosa (Topsent, 1887 as *Reniera*)
voeringii Lundbeck, 1909
xena De Weerd, 1986
Metschnikowia
intermedia Grimm, 1885
tuberculata Grimm, 1885
Rhizoniera
pedunculata Boury-Esnault *et al.*, 1994
rhizophora (Vacelet, 1969 as *Reniera*)

Order Dictyoceratida

Family Spongiidae

Coscinoderma
confragosum Polejaeff, 1884
sporadense Voultiadou-Koukoura *et al.*, 1991
Hippospongia
communis (Lamarck, 1814 as *Spongia*)

Hyattella
intestinalis (Lamarck, 1814 as *Spongia*)
Spongia
agaricina Pallas, 1766
Spongia?
aurea Montagu, 1818
conus Montagu, 1818
Spongia
irregularis subsp. *mollior* (Von Lendenfeld, 1889 as *Euspongia*)
Spongia?
laevigata Montagu, 1818
Spongia
mollissima Schmidt, 1862
nitens (Schmidt, 1862 as *Ditela*)
officinalis Linnaeus, 1759
officinalis subsp. *adriatica* Schmidt, 1862 as *S. adriatica*
quarnerensis Schmidt, 1862
virgultosa Schmidt, 1868
zimocca Schmidt, 1862

Family Thorectidae

Aplysinopsis
schmidti (Marenzeller, 1877)
Cacospongia
carduelis Schmidt, 1864
mollior Schmidt, 1862
proficiens Pulitzer-Finali & Pronzato, 1980
scalaris Schmidt, 1862
Fasciospongia?
aspergillum (Von Lendenfeld, 1889 as *Stelospongia*)
Fasciospongia
cavernosa (Schmidt, 1862 as *Cacospongia*)
coerulea Vacelet, 1959
Hyrtios
collectrix (Schulze, 1879 as *Oligoceras*)
erecta (Keller, 1889 as *Heteronema*)
dendyi (Ferrer-Hernandez, 1922 as *Collospongia*)
Thorectandra?
diversispiculifera Ferrer-Hernandez, 1918

Family Irciniidae

Ircinia
chevreuxi (Topsent, 1894 as *Hircinia*)
Ircinia?
collectrix (Von Lendenfeld, 1889 as *Hircinia*)
condensa (Topsent, 1891 as *Hircinia*)
Ircinia
dendroides Schmidt, 1862
Ircinia?
digitata (Topsent, 1894 as *Hircinia*)
Ircinia
fasciculata (Esper, 1794 as *Spongia*)
flavescens Schmidt, 1862
foetida (Schmidt, 1862 as *Sarcotragus*)
Ircinia?
hebes Schmidt, 1862
Ircinia
hirsuta Schmidt, 1862
lingua Schmidt, 1868
muscarum (Schmidt, 1862 as *Sarcotragus*)
oros (Schmidt, 1864 as *Hircinia*)
Ircinia?
panicea Schmidt, 1862
Ircinia
paucifilamentosa Vacelet, 1961
pipetta (Schmidt, 1868)
procumbens (Polejaeff, 1884 as *Cacospongia*)
retidermata Pulitzer-Finali & Pronzato, 1980
spinosula (Schmidt, 1862 as *Sarcotragus*)
Ircinia?
stipitata (Topsent, 1894 as *Hircinia*)
Ircinia
variabilis (Pallas, 1766 as *Spongia*)
variabilis subsp. *fistulata* Szymanski, 1904
Ircinia?
verrucosa (Ferrer-Hernandez, 1914 as *Hircinia*)

*Ircinia**vestibulata* Szymanski, 1904**Order Dendroceratida****Family Dysideidae***Dysidea**avara* (Schmidt, 1862 as Spongelia)*elastica* (VonLendenfeld, 1889 as Spongelia e. massa + lobosa + irregularis + incrustans + tubulosa)*elegans* subsp. *pontica* (Czerniavsky, 1880 as Spongelia)*fragilis* (Montagu, 1818 as Spongia)*incrustans* (Schmidt, 1862 as Spongelia)*incrustans adriatica & suchumensis* (Czerniavsky, 1880 as Spongelia)*pallescens* (Schmidt, 1862 as Spongelia)*pallescens* subsp. *pontica* (Czerniavsky, 1880 as Spongelia)*Dysidea?**papillosa* Johnston, 1842*Dysidea**perforulata* Pulitzer-Finali & Pronzato, 1980*tupha* (Martens, 1824 as Spongia)*Spongionella**gracilis* (Vosmaer, 1883)*pulchella* (Sowerby, 1804 as Spongia)*ramodigitata* (Topsent, 1901)*repens* (Topsent, 1928)*zelandica* (Bowerbank, 1866 as Verongia)**Family Darwinellidae***Aplysilla**glacialis* (Merejkowski, 1877)*rosea* (Barrois, 1876)*sulfurea* Schulze, 1878*Chelonaplysilla**arenosa* Hentschel, 1929*erecta* (Row, 1911)*noevus* (Carter, 1874 as Aplysina)*psammophila* (Topsent, 1928)*Darwinella**aurea* (Von Lendenfeld, 1889)*australiensis* Carter, 1885*corneostellata* (Carter, 1872 as Aplysina)*dalmatica* Topsent, 1905*gardineri* Topsent, 1905*duplex* Topsent, 1905*intermedia* Topsent, 1893*simplex* Topsent, 1892*viscosa* Boury-Esnault, 1971*Dendrilla**acantha* Vacelet, 1958*cirsioides* Topsent, 1893*Hexadella**detritifera* Topsent, 1904*racovitzai* Topsent, 1896*Pleraplysilla**minchini* Topsent, 1905*spinifera* (Schulze, 1878 as Aplysilla)*Psammopemma**commune* Carter, 1876*finmarchicum* Hentschel, 1929*finmarchicum* subsp. *spiculosum* Hentschel, 1929*nicaense* Pulitzer-Finali & Pronzato, 1980**Order Halisarcida****Family Halisarcidae***Halisarca**dujardini* Johnston, 1842*Halisarca?**guttula* Schmidt, 1864*Halisarca**metchnikowi* Lévi, 1953*sputum* Topsent, 1893*Myceliospongia**araneosa* Vacelet & Perez, 1998?**Order Verongida****Family Aplysinidae***Aplysina**aerophoba* Nardo, 1843*carnosa* Schmidt, 1862*cavernicola* (Vacelet, 1959 as Verongia)*massa* (Szymanski, 1904 as Aplysinopsis)*tuberosa* (Szymanski, 1904 as Aplysinopsis)**Class Calcarea****Subclass Calcinea****Order Clathrinida****Family Clathrinidae***Clathrina**ascandroides* Borojevic, 1971*biscayae* Borojevic & Boury-Esnault, 1987*canariensis* (Miklucho-Maclay, 1870 as Leucosolenia)*cancellata* (Verrill, 1873 as Leucosolenia)*cerebrum* (Haeckel, 1870 as Ascaltis)*clathrus* (Schmidt, 1864 as Grantia)*contorta* (Bowerbank, 1866 as Leucosolenia)*olynthus* Borojevic & Boury-Esnault, 1987*coriacea* (Montagu, 1818 as Spongia)*multiformis* (Breitfuss, 1898 as Leucosolenia)*nanseni* (Breitfuss, 1896 as Leucosolenia)*reticulum* (Schmidt, 1862 as Nardo)*rubra* Sarà, 1958 as *C. coriacea* var. r.*Guancha**blanca* Miklucho-Maclay, 1868*lacunosa* (Bean in Johnston, 1842 as Grantia)*Leucetta**nausicaa* (Schuffner, 1877)*solida* (Schmidt, 1862)**Family Leucaltidae***Ascandra**falcata* Haeckel, 1870*Leucaltiis**clathria* Haeckel, 1870*Leuclathrina**asconoides* Borojevic & Boury-Esnault, 1987**Family Leucascidae***Ascaltis**lamarcki* Haeckel, 1870**Family Levinellidae***Levinella**thalassae* Borojevic & Boury-Esnault, 1987**Subclass Calcaronea****Order Leucosolenida****Family Amphoriscidae***Amphoriscus**buccichi* Von Ebner, 1887*cylindricus* (Haeckel, 1870)*gregorii* (Von Lendenfeld, 1891)*oviparus* (Haeckel, 1870 as Sycaltis and Sycurus)*Leucilla**echinus* (Haeckel, 1870 as Leuculmis)**Family Grantiidae***Amphiute**paulini* Hanitsch, 1894*Aphroceras**ensata* (Bowerbank, 1858 as Grantia)*corticata* (Von Lendenfeld, 1891)*Ebnerella**schulzei* Breitfuss, 1896*Grantia**canadensis* Lambe, 1896*capillosa* (Schmidt, 1862 as Ute)*compressa* (Fabricius, 1780 as Spongia)*singularis* (Breitfuss, 1896 as Sphenoporina)*Leuconia**ananas* (Montagu, 1818 as Spongia)*aspera* (Schmidt, 1862 as Sycon)*balearica* (Lakschewitz, 1886 as Leucandra)

bolivari Ferrer-Hernandez, 1916
bulbosa (Hanitsch, 1895 as *Leucandra*)
caespitosa (Haeckel, 1870)
caminus (Haeckel, 1872)
fistulosa (Johnston, 1842 as *Grantia*)
gosseii (Bowerbank, 1862, 1864, 1866, 1874, 1882 as *Leucogypsia*)
johnstoni Carter, 1871
nivea (Grant, 1826 as *Leucandra*)
polejaevi (Breitfuss, 1896 as *Pericharax*)
pumila Bowerbank, 1866
rodriguezii (Lakschewitz, 1886 as *Leucandra*)
Sycyssa
huxleyi Haeckel, 1870
Trichogypsia
villosa Carter, 1871
Ute
gladiata Borojevic, 1967

Family Heteropiidae

Heteropia
ramosa (Carter, 1886 in Higgin as *Aphroceras*)

Family Leucosoleniidae

Ascyssa
acufera Haeckel, 1870
trogodytes Haeckel, 1870
Leucosolenia
botryoides (Ellis & Solander, 1786 as *Spongia*)
complicata (Montagu, 1818 as *Spongia*)
darwinii (Haeckel, 1870)
echinoides (Haeckel, 1870)
fragilis (Haeckel, 1870 as *Ascortis*)
gegenbauri (Haeckel, 1870)
goethei (Haeckel, 1870)
hermesi (Haeckel, 1870)
lieberkuehni (Schmidt, 1862)
minoricensis Lakschewitz, 1886
primordialis (Haeckel, 1870)
variabilis (Haeckel, 1870 as *Ascandra*)

Family Sycettidae

Grantessa
glacialis (Haeckel, 1870 as *Sycaltis*)
kuekenhali (Breitfuss, 1896 as *Ebnerella*)
lanceolata (Breitfuss, 1898 as *Ebnerella*)
murmanensis (Breitfuss, 1898 as *Amphoricus*)
nitida (Arnesen, 1900 as *Ebnerella*)

Sycandra
utriculus (Schmidt, 1869 as *Ute*)

Sycetta
asconooides Breitfuss, 1896
conifera (Haeckel, 1870)

Sycodorus
hystrix Haeckel, 1870

Sycon
abyssale Borojevic & Graat-Kleeton, 1965
arcticum (Haeckel, 1870 as *Sycum*)
boreale (Schuffner, 1877)
ciliatum (Fabricius, 1780 as *Spongia*)
elegans (Bowerbank, 1845 as *Dunstervillia*)
helleri (Von Lendenfeld, 1891)
humboldtii Risso, 1826
lingua (Haeckel, 1870 as *Sycortis*)
quadrangulata (Schmidt, 1868 as *Syconella*)
raphanus Schmidt, 1862
scaldiense (Van Koolwijk, 1982 as *Scypha*)
schmidti (Haeckel, 1870)
schuffneri Dendy & Row, 1913
sycandra (Von Lendenfeld, 1895 as *Homoderma*)
tenellum (Von Lendenfeld, 1891)
tuba (Von Lendenfeld, 1891)
villosum (Haeckel, 1870 as *Sycandra*)
Vosmaeropsis
gardineri Ferrer-Hernandez, 1916

Order Lithonida**Family Minchinellidae**

Plectroninia
norvegica Könnecker, 1989

Class Hexactinellida**Subclass Amphidiscophora****Order Amphidiscophora****Family Pheronematidae**

Pheronema
carpenteri (Thomson, 1869 as *Holtenia*)

Family Hyalonematidae

Hyalonema
infundibulum Topsent, 1896
lusitanicum Du Bocage, 1864
thomsoni Marshall, 1875

Subclass Hexasterophora**Order Hexactinosa****Family Farreidae**

Farrea
foliascens Topsent, 1904
laminaris Topsent, 1904
occa (Bowerbank, 1862)
weltmeri Topsent, 1901
Sarostegia
oculata Topsent, 1904

Family Euretidae

Chonelasma
ijimai Topsent, 1901
Dactylocalyx
potatorum Schmidt, 1880
Eurete
alicei Topsent, 1901
Periphragella
lusitanica Topsent, 1890
Pityrete
azoricum (Topsent, 1904 as *Aphrocallistes*)

Family Tretodictyidae

Auloplax
filholi (Topsent, 1904)
Hexactinella
grimaldii Topsent, 1890
Tretodictyum
tubulosum (Schulze, 1886 as *Hexactinella*)

Family Aulocalycidae

Fieldingia
lagettooides Kent, 1870
Rhabdodictyum
delicatum Schmidt, 1880

Family Aphrocallistidae

Aphrocallistes
beatrice Gray, 1858
bocagei Schulze, 1886

Order Lyssacinosa**Family Euplectellidae**

Euplectella
suberea Thomson, 1877
Hertwigia
falcifera Schmidt, 1880
Malacosaccus
floricomatus Topsent, 1901
unguiculatus Schulze, 1886
Regadrella
phoenix Schmidt, 1880
Rhabdoplectella
tintinnus Schmidt, 1880

Family Caulophacidae

Caulophacus
arcticus (Hansen, 1885 as *Hyalonema*)
Sympagella
nux Schmidt, 1870

Family Rossellidae

Anoxycalyx
laceratus Koltun, 1967
Asconema
setubalense Kent, 1870
Bathydorus
servatus Topsent, 1927, 1928
Doconesthes
sessilis Topsent, 1928
Lanuginella
pupa Scgmidt, 1870
Mellonympha
velata (Thomson, 1873 as Rossella)
Rossella
nodastrella Topsent, 1915
Schaudinnia
arctica Schulze, 1900
rosea (Fristedt, 1887)
Scyphidium
septentrionale Schulze, 1900
Trichasterina
borealis Schulze, 1900
sagittaria Topsent, 1913
Family Leucopsacidae
Leucopsacus
scoliodocus subsp. *retroscissus* Topsent, 1903
Opsacas
minuta Topsent, 1927, 1928

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Compiled by Jacob van der Land

The European list was derived from URMO.

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Family Trichoplacidae

<i>Trichoplax</i>	
<i>adhaerens</i> Schulze, 1883	AM
<i>Treptoplax</i>	
<i>reptans</i> Monticelli, 1896	M

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