

TUNICATA

Compiled by Claude Monniot

The list has been prepared from a personal database of the Ascidiacea and Sorberacea of the world, held in Muséum National d'Histoire Naturelle, Paris. The original database includes synonyms as well as subsequent usage of the names in the literature and the geographical distribution of species. The ERMS list represents the state-of-the-art of Ascidiacean systematics and nomenclature, and this may occasionally deviate from common usage; in cases where a commonly accepted name is no longer valid, it appears in the ERMS list as a synonym. The author thanks David Connor for comparing an earlier draft of the European list with the British List and for pointing out a number of inconsistencies and omissions. P. Lozouet and J. Marmayou checked and edited the list.

Superclass Tunicata

Class Ascidiacea

Order Plebobranchia

Family Agneziidae

Adagnesia

- charcotti* Monniot C. & Monniot F., 1973
- rimosa* Monniot C. & Monniot F., 1974

Agnezia

- atlantica* (Monniot C. & Monniot F., 1973)
- celtica* (Monniot C. & Monniot F., 1974)

Proagnesia

- depressa* (Millar, 1955)

Family Ascidiidae

Ascidia

- callosa* Stimpson, 1852
- celtica* Monniot, C., 1969
- conchilega* Müller, 1776
- correi* Monniot C., 1970
- dijmphiana* Templeton, 1834
- iberica* Monniot C. & Monniot F., 1988
- interrupta* Heller, 1878
- involuta* Heller, 1875
- malaca* (Traustedt, 1883)
- mediterranea* Pérès, 1959
- mentula* Müller, 1776
- molguloides* Monniot, C., 1975
- muricata* Heller, 1874
- obliqua* Alder, 1863
- prunum* Müller, 1776
- salvatoris* (Traustedt, 1885)
- tritonis* Herdman, 1883
- virginea* Müller, 1776

Ascidiella

- aspersa* (Müller, 1776)
- scabra* (Müller, 1776)

Phallusia

- arabica* Savigny, 1816
- colleta* Monniot C. & Monniot F., 1970
- fumigata* Grube, 1864
- ingeria* Traustedt, 1883
- mammillata* (Cuvier, 1815)
- nigra* Savigny, 1816

Psammascidia

- teissieri* Monniot F., 1962

Family Cionidae

Araneum

- sigma* Monniot C. & Monniot F., 1973

Ciona

- edwardsi* (Roule, 1886)
- fascicularis* Hancock, 1870
- gelatinosa* Bonnevie, 1896
- imperfecta* Monniot C. & Monniot F., 1977

intestinalis (Linnaeus, 1758)

Diazona

violacea Savigny, 1816

Pseudodiazona

abyssa Monniot C. & Monniot F., 1974

Rhopalaea

hartmeyeri (Salfi, 1927)

neapolitana (Philippi, 1843)

orientalis ? Pérès, 1958

Tylobranchion

nordgaardi (Hartmeyer, 1922)

Family Corellidae

Abyssascidia

millari Monniot F., 1971

Chelyosoma

macleayanum Broderip & Sowerby, 1830

Corella

borealis Traustedt, 1886

halli Kott, 1951

parallelogramma (Müller, 1876)

Corellopsis

pedunculata Hartmeyer, 1903

Corynascidia

hartmeyeri Monniot C. & Monniot F., 1994

suhmi Herdman, 1882

translucida (Monniot, C., 1969)

Rhodosoma

callensis (Lacaze-Dutbiers, 1865)

turcicum (Savigny, 1816)

Xenobranchion

tenue Monniot F. & Monniot C., 1976

Family Octacnemidae

Dicopia

antirrhinum Monniot, C., 1972

Octacnemus

ingolfi Madsen, 1947

Situla

lanosa Monniot C. & Monniot F., 1973

Family Perophoridae

Ecteinascidia

herdmani (Lahille, 1887)

styeloides (Traustedt, 1882)

turbinata Herdman, 1880

Perophora

bermudensis Berrill, 1932

japonica Oka, 1927

listeri Wiegman, 1835

multicltrata (Sluiter, 1904)

viridis Verrill, 1871

Order Aplousobranchia

Family Clavelinidae

Archidistoma

aggregatum Garstang, 1891

productum (Milne-Edwards, 1841)

Clavelina

dellavallei (Zirpolo, 1825)

borealis Savigny, 1816

lepadiformis Müller, 1776

nana Lahille, 1890

oblonga Herdman, 1880

phlegraea Salfi, 1929

sabbadini Brunetti, 1987

Pycnoclavella

aurilucens Garstang, 1891

taureanensis Brunetti, 1991

Family Didemnidae

Didemnum

albidum (Verrill, 1871)

amourouxi Lafargue, 1976

coccineum (Drasche, 1883)

commune (Della Valle, 1877)

coriaceum (Drasche, 1883)

drachi Lafargue, 1975

- fulgens* Milne-Edwards, 1841
granulosum (Drasche, 1883)
lahillei Hartmeyer, 1909
maculosum (Milne-Edwards, 1841)
 = *Didemnum asperum* (Milne-Edwards, 1841)
perspicuum Giard, 1873
peyreffitense Brément, 1913
polare (Hartmeyer, 1903)
protectum (Daumézou, 1908)
pseudofulgens Médioni, 1970
romssae Marks, 1996
- Diplosoma**
- carinosum* Drasche, 1883
lafargueae Vazquez, 1993
listerianum (Milne-Edwards, 1841)
ponticum Romanov, 1989
singulare Lafargue, 1968
spongiforme Giard, 1872
- Leptoclinides**
- faeroensis* Bjerkan, 1905
- Lissoclinum**
- aureum* Verrill, 1871
perforatum (Giard, 1872)
rubrum Monniot F., 1975
weigelei Lafargue, 1968
- Polysyncraton**
- amethysteum* (Van Name, 1902)
asterix Monniot F., 1975
bilobatum Lafargue, 1968
canetense (Brément, 1913)
haranti Lafargue, 1975
lacazei (Giard, 1872)
- Trididemnum**
- cereum* (Giard, 1872)
delesseriae Lafargue, 1968
inarmatum (Drasche, 1883)
pedunculatum Lafargue *et al.*, 1993
tenerum (Verrill, 1871)
translucidum (Lafargue, 1968)
 = *Didemnoopsis translucidum*
- Family Polycitoridae**
- Archiascidia**
- neapolitana* Julin, 1904
- Cystodytes**
- dellechiajei* Della Valle, 1877
durus Drasche, 1883
guinensis Michaelsen, 1914
- Distaplia**
- bermudensis* Van Name, 1902
clavata (Sars, 1851)
corolla Monniot F., 1975
livida (Sars, 1851)
magnilarva (Della Valle, 1881)
 = *Distaplia stelligera* (Giard, 1899)
rosea Della Valle, 1881
- Eudistoma**
- angolanum* (Michaelsen, 1915)
banyulense (Brément, 1912)
clarum (Van Name, 1902)
costai (Della Valle, 1877)
magnum Médioni, 1968
mucosum (Drasche, 1883)
paesslerioides (Michaelsen, 1914)
planum Pérès, 1948
plumbeum (Della Valle, 1877)
posidonarium (Daumézou, 1908)
roseum Vazquez & Ramos-Espla, 1993
rubrum (Savigny, 1816)
tridentatum (Heiden, 1894)
vitreum (Sars, 1851)
- Polycitor**
- adriaticus* (Drasche, 1883)
crystallinus (Renier, 1804)
searli Kott, 1952
- Protoholozoa**
- pigra* Monniot F., 1975
- Rhombifera**
- caerulea* Pérès, 1956
- Sycozoa**
- melopepona* Monniot F., 1975
- Family Polyclinidae**
- Aplidiopsis**
- atlanticus* Monniot F., 1975
vitreum (Lahille, 1887)
- Aplidium**
- aegeaensis* Koukouras *et al.*, 1995
albicans (Milne-Edwards, 1841)
appendiculatum (Michaelsen, 1923)
argus (Milne-Edwards, 1841)
asperum Drasche, 1883
bermudae (Van Name, 1902)
bremonti (Harant, 1925)
caeruleum Lahille, 1890
conicum (Olivi, 1792)
densum (Giard, 1872)
elegans (Giard, 1872)
 = *Sidnyum elegans*
enigmaticum Monniot C. & Monniot F., 1973
fuscum (Drasche, 1883)
gibbulosum (Savigny, 1816)
glabrum (Verrill, 1871)
griseum Lahille, 1890
haouarianum (Pérès, 1956)
hyalinum (Pérès, 1956)
inversum (Pérès, 1959)
lobatum Savigny, 1816
mediterraneum (Hartmeyer, 1909)
mutabile (Sars, 1851)
nema Monniot F. & Monniot C., 1976
nordmani (Milne-Edwards, 1841)
ocellatum Monniot C. & Monniot F., 1987
pallidum (Verrill, 1871)
polytremum (Monniot C. & Monniot F., 1983)
proliferum (Milne-Edwards, 1841)
pseudolobatum (Pérès, 1956)
punctum (Giard, 1873)
radicosum (Monniot C. & Monniot F., 1979)
sagresensis Ramos-Espla, Turon & Vazquez, 1993
schaudinni Hartmeyer, 1903
spitzbergense Hartmeyer, 1903
tabarquensis Ramos-Espla, 1991
translucidum (Ritter, 1901)
tridentatum (Daumézou, 1909)
turbinatum (Savigny, 1816)
 = *Sydnium turbinatum*
urgorrii Vazquez, 1994
- Aplidium**
- punctum* (Giard, 1872)
- Polyclinella**
- azemai* Harant, 1930
- Polyclinum**
- aurantium* Milne-Edwards, 1841
saturnium Savigny, 1816
sibiricum Redikorzev, 1907
- Pseudodistoma**
- arnbacki* Pérès, 1959
crucigaster Gaill, 1972
cyrnusense Pérès, 1952
obscurum Pérès, 1959
- Ritterella**
- glareosa* Monniot F., 1975
- Sidneioidea**
- ivicense* Pérès, 1957
- Synocicum**
- beauchampi* (Harant, 1927)
blochmanni (Heiden, 1894)
daucum Monniot C. & Monniot F., 1977
diaphanum Sluiter, 1927
incrustedum (Sars, 1851)
lacazei (Pérès, 1957)

pomum (Sars, 1851)
pulmonaria (Ellis & Solander, 1786)
turgens Phipps, 1774
vibei Lützen, 1959

Order Stolidobranchia

Family Molgulidae

Anomopera

ingolfiana Hartmeyer, 1923

Eugyra

adriatica Drasche, 1884
arenosa (Alder & Hancock, 1848)
pedunculata Traustedt, 1886

Eugyrioides

borealis (Monniot C. & Monniot F., 1977)
glutinans (Müller, 1842)
islandica (Millar, 1974)

Gamaster

dakarensis Pizon, 1896

Molgula

amesophleba (Codreanu & Mack-Fira, 1956)
appendiculata Heller, 1877
bleizi (Lacaze-Duthiers, 1877)
caminae Monniot C. & Monniot F., 1988
celtica Monniot, C., 1970
citrina Alder & Hancock, 1848
complanata Alder & Hancock, 1870
crustosa Monniot C. & Monniot F., 1988
dextrocarpa Monniot C. & Monniot F., 1974
echinosiphonica Lacaze-Duthiers, 1877
euprocta Drasche, 1884
griffithsi (Mac Leay, 1825)
helleri Drasche, 1884
herdmani Bjerkan, 1905
hirta Monniot F., 1965
impura Heller, 1877
kiaeri Hartmeyer, 1901
kølaensis Årnbäck, 1928
manhattensis (De Kay, 1843)
mira (Årnbäck, 1931)
occidentalis Traustedt, 1882
occulta Kupffer, 1875
oculata Forbes, 1848
plana Monniot, C., 1971
platybranchia Monniot, 1970)
pumila Monniot F. & Monniot C., 1976
retortiformis Verrill, 1871
rheophila (Pérès, 1956)
romeri Hartmeyer, 1903
roulei Monniot C., 1970
satyrus Monniot C. & Monniot F., 1993
simplex Alder & Hancock, 1870
siphonalis Kiaer, 1896
siphonata Alder, 1850
socialis Alder, 1863
solenata (Lacaze-Duthiers, 1877)
tethys Monniot F. & Monniot C., 1974
tubifera Orsted, 1844
vara Monniot C. & Monniot F., 1979

Molguloides

crenatum Monniot C. & Monniot F., 1974

Pareugyrioides

charayi Monniot C. & Monniot F., 1977

Protomolgula

bythia Monniot F., 1971
triangularis Millar, 1982

Family Pyuridae

Bathypyura

celata Monniot C. & Monniot F., 1973

Boltenia

echinata (Linnaeus, 1767)
ovifera (Linnaeus, 1767)
pilosa (Millar, 1955)

Bolteniopsis

prenanti Harant, 1927

sessilis Monniot C. & Monniot F., 1970

Cratostigma

gravellophila (Pérès, 1955)
intermedia Vazquez & Ramos-Espla, 1993
regularis Monniot, C., 1963
simplex Millar, 1982
singularis (Van Name, 1912)
vestigialis Turon, 1988

Culeolus

suhmi Herdman, 1881

Dextrogaster

suecica Monniot F., 1962

Halocynthia

papillosa (Linnaeus, 1767)
pyriformis (Rathke, 1806)
spinosa Sluiter, 1905

Herdmania

momus (Savigny, 1816)

Heterostigma

fagei Monniot C. & Monniot F., 1961
gonochorica Monniot F., 1965
mediterranea Pérès, 1958
melitensis Monniot F. & Monniot C., 1976
reptans Monniot C. & Monniot F., 1963
separ Årnbäck, 1924

Microcosmus

claudicans (Savigny, 1816)
exasperatus Heller, 1878.
glacialis (Sars, 1859)
hernius (Monniot C. & Monniot F., 1974)
nudistigma Monniot C, 1962
polymorphus Heller, 1877
pupa (Savigny, 1816)
sabatieri Roule, 1885
savignyi Monniot, 1962
vulgaris Heller, 1877

Minipera

papillosa Monniot C. & Monniot F., 1974
pedunculata Monniot C. & Monniot F., 1974

Pyura

dura Heller, 1877
gangelion (Savigny, 1816)
microcosmus (Savigny, 1816)
squamulosa (Alder, 1863)
tessellata (Forbes, 1848)

Family Styelidae

Alloecarpa

loculosa Monniot, C., 1975

Bathyoncus

mirabilis Herdman, 1882

Bathystyeloides

dubius Monniot C. & Monniot F., 1974
enderbyanus (Michaelsen, 1904)
laubieri Monniot C. & Monniot F., 1974

Botryllus

aureus Sars, 1851
leachi Savigny, 1816
 = *Botrylloides leachi*
schlosseri (Pallas, 1766)

Cnemidocarpa

annectens (Hartmeyer, 1921)
bathyphila Millar, 1955
bythia (Herdman, 1881)
cirrata Årnbäck, 1922
clipeata (Årnbäck, 1921)
devia Årnbäck, 1931
digonas Monniot C. & Monniot F., 1968
finmarkiensis (Kiaer, 1893)
hartmeyeri Michaelsen, 1918
margaritifera Hartmeyer, 1918
mollis (Stimpson, 1852)
mollispina Årnbäck, 1922
mortenseni Hartmeyer, 1912
platybranchia Millar, 1955
rhizopus (Redikorzev, 1907)

sabulosa Glémarec & Monniot C., 1966
squamata Lützen, 1970
Dendrodoa
aggregata Müller, 1776
carnea (Rathke, 1806)
grossularia (Van Beneden, 1846)
lineata (Traustedt, 1880)
minuta (Bonnievie, 1896)
pulchella (Rathke, 1806)
uniplicata (Bonnievie, 1896)
Dicarpa
atlantica Millar, 1964
Distomus
fuscus (Delle Chiaje, 1841)
hupferi (Michaelsen, 1904)
variolosus Gaertner, 1774
Eusynstyela
beuziti (Monniot C., 1970)
hartmeyeri Michaelsen, 1904
Kukenthalia
borealis (Gottschaldt, 1894)
Peloniaia
corrugata Goodsir & Forbes, 1841
Polyandrocarpa
zorritensis (Van Name, 1931)
Polycarpa
arnbackae Monniot F., 1964
biscayensis Monniot C. & Monniot F., 1974
caudata Monniot C. & Monniot F., 1975
comata (Alder, 1863)
discoidea Heller, 1877
errans Hartmeyer, 1909-1911
fibrosa (Stimpson, 1852)
gracilis Heller, 1877
itera Monniot C. & Monniot F., 1977
kornogi Glémarec & Monniot C., 1966
mamillaris (Gaertner, 1774)
offa Monniot C. & Monniot F., 1988
pentarhiza Monniot F., 1965
pomaria (Savigny, 1816)
porculus Monniot C. & Monniot F., 1979
pseudoalbatrossi Monniot C. & Monniot F., 1968
pusilla Herdman, 1884
rockallensis Millar, 1982
scuba Monniot C., 1971
tenera Lacaze-Duthiers & Delage, 1892
violacea (Alder, 1863)
Protostyela
heterobranchia Millar, 1954
longicauda Monniot, Vazquez, White, 1995
Psammostyela
delamarei Weinstein, 1961
Seriocarpa
rhizoides Dielh, 1969
Stolonica
socialis Hartmeyer, 1903
Styela
adriatica Monniot F. & Monniot C., 1976
atlantica (Van Name, 1912)
bathybia Bonnievie, 1896
calva Monniot C., Monniot F. & Millar, 1976
canopus (Savigny, 1816)
= *Styela partita* (Stimpson, 1852)
chaini Monniot C. & Monniot F., 1970
churcoti Monniot C. & Monniot F., 1973
clava Herdman, 1881
coriacea (Alder & Hancock, 1848)
crinita Monniot C. & Monniot F., 1973
gelatinosa Traustedt, 1886
gibbsii Stimpson, 1864
loculosa Monniot C. & Monniot F., 1969
plicata (Lesueur, 1823)
rustica Linnaeus, 1767
sigma (Van Name, 1912)
similis Monniot, C., 1970

thalassae Monniot, C., 1969
Tibitin
probatus Monniot C. & Monniot F., 1987

Class Sorberacea

Gasterascidia
lyra Monniot C. & Monniot F., 1973
sandersi Monniot C. & Monniot F., 1968
Hexadactylus
arcticus (Hartmeyer, 1923)
eunuchus (Monniot F. & Monniot C., 1976)
ledanoisi (Monniot F. & Monniot C., 1990)
Sorbera
unigonas Monniot C. & Monniot F., 1974

Thaliacea

Compiled by Jacob van der Land and R. W. M. van Soest

The European list was derived from URMO, which is based on Godeaux (1998) and van Soest (1981).

References

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Class Thaliacea

Family Doliolidae

Anchinia
savigniana Rathke, 1851 M
= *Doliopsis rubescens* Vogt
Dolioletta
gegenbauri (Uljanin, 1884) A M
Doliolina
intermedium Neumann A M
krohni Herdman, 1888) M
mulleri (Krohn, 1852) A M
Dolioloides
rarum Gegenbaur A M
Doliolum
denticulatum Quoy & Gaimard, 1834 A M
nationalis Borgert, 1894 A M

Family Pyrosomatidae

Pyrosoma
aherniosum Seeliger, 1895 A
atlanticum Péron, 1804 A M
= *Pyrosoma benthica* Monniot & Monniot, 1966
Pyrostremma
agassizi (Ritter & Byxbee, 1905) A
spinosum (Herdman, 1888) A M
= *Pyrosoma sedentarium*
= *Pyrosoma spinosum*

Family Salpidae

Brooksia
rostrata (Traustedt, 1893)
Cyclosalpa
affinis (Chamisso, 1819) A
floridana (Apstein, 1894) A
foxtoni van Soest, 1974 A
pinnata (Forskål, 1775) A M
polae Sigl, 1912 A
Helicosalpa
virgula (Vogt, 1854) A
Ihlea
punctata (Forskål, 1775) A M
Pegea
bicaudata (Quoy & Gaimard, 1826) A
confederata (Forskål, 1775) A M
= *Pegea socia*