Cladocarpus paradiseus E Florida, 778-744 m - SE USA
Cladocarpus paradiseus - lineage 1
Cladocarpus paradiseus E Florida, 760-732 m - SE USA
Cladocarpus paradiseus South Georgia, 532 m - SE USA
Cladocarpus paradiseus South Carolina, 507 m - SE USA
Cladocarpus paradiseus E Florida, 726-730 m - SE USA
Cladocarpus paradiseus - lineage 2
Cladocarpus paraformosus Canyon, ca.2000 m - Greenland
Cladocarpus paraformosus Canyon, ca. 2000 m - Greenland
Cladocarpus paraformosus
Cladocarpus integer Raunefjord - Norway
Cladocarpus integer
Cladocarpus sigma Bay of Biscay, 119 m - N Spain
Cladocarpus sigma - lineage 1
Cladocarpus sigma NE Florida, 625-585 m - SE USA
Cladocarpus sigma - lineage 2
Aglaophenopsis hirsuta E Florida, 407 m - SE USA
Aglaophenopsis hirsuta N Carolina, 423 m - SE USA
Aglaophenopsis hirsuta S Georgia, 532 m - SE USA
Aglaophenopsis hirsuta E Florida, 726-730 m - SE USA
Aglaophenopsis hirsuta S Carolina - Florida, 760-240 m - SE USA (4)
Aglaophenopsis hirsuta NE Florida, 625-585 m - SE USA
Aglaophenopsis hirsuta S Carolina, 656 m - SE USA
Aglaophenopsis hirsuta
Aglaophenopsis cornuta 2302 m - Greenland
Aglaophenopsis cornuta
Cladocarpus carinatus off Georgia, 568-564 m - SE USA
Cladocarpus carinatus
Aglaophenopsis cartieri P. Alice Bank, 417-512 m - Azores
Aglaophenopsis cartieri Azores Bank, 402 m - Azores
Aglaophenopsis cartieri Azores Bank, 307 m - Azores
Aglaophenopsis cartieri
Macrorhynchia sp1 Georgia, 67 m - SE USA
Macrorhynchia sp1
Macrorhynchia sp2 Glovers atoll, 30-17 m - Belize
Macrorhynchia sp2
Macrorhynchia furcata Isla Uvita, 24-16 m - E Costa Rica
Macrorhynchia furcata Bocas del Toro, 25-10 m - NW Panama
Macrorhynchia furcata Bocas del Toro + off Guaira, 15-23 m - NW & NE Panama (2)
Macrorhynchia furcata
Macrorhynchia sp3 Carrie Bow Cay, 40-20 m - Belize
Macrorhynchia sp3
Macrorhynchia cf. clarkei Escudo, 28-18 m - N Panama
Macrorhynchia cf. clarkei
Lytocarpia nigra Okinawa, 93-101 m - Japan
Lytocarpia nigra Europa Island + Juan de Nova Island - SW Indian Ocean (2)
Lytocarpia nigra Europa Island - SW Indian Ocean
Lytocarpia nigra Europa Island + Juan de Nova Island - SW Indian Ocean (3)
Lytocarpia nigra Okinawa, 96-123 m - Japan
Lytocarpia nigra New Caledonia
Lytocarpia nigra
cf. Macrorhynchia sp. La Cornuda, 20-10 m - W Costa Rica
cf. Macrorhynchia sp.
Taxella eximia Moorea (2)
Taxella eximia Moorea
Taxella eximia Moorea
Taxella eximia - lineage 1
Taxella eximia Mayotte - SW Indian Ocean
Taxella eximia Geyser bank - SW Indian Ocean (2)
Taxella eximia Geyser bank - SW Indian Ocean
Taxella eximia Geyser bank + Mayotte - SW Indian Ocean (2)
Taxella eximia Reunion Island
Taxella gracilicaulis Europa Island - SW Indian Ocean
Taxella gracilicaulis Europa Island - SW Indian Ocean (3)
Taxella gracilicaulis Nosy Ranj - Madagascar
Taxella gracilicaulis Glorieuses Islands - SW Indian Ocean
Taxella eximia Europa Island - SW Indian Ocean
Taxella eximia Europa Island - SW Indian Ocean
Taxella eximia Mayotte - SW Indian Ocean
Taxella gracilicaulis Reunion Island
Taxella eximia Juan de Nova Island (4)
Taxella eximia Juan de Nova Island
Taxella gracilicaulis Juan de Nova Island (2)
Taxella eximia Europa Island - SW Indian Ocean
Taxella eximia Europa Island - SW Indian Ocean
Taxella gracilicaulis + T. eximia (lineage 2)
Macrorhynchia sp. n. Europa Island - SW Indian Ocean (2)
Macrorhynchia sp. n. Glorieuses Islands + Geyser bank - SW Indian Ocean (2)
Macrorhynchia sp. n. Geyser bank - SW Indian Ocean
Macrorhynchia sp. n. Mayotte - SW Indian Ocean
Macrorhynchia sp4
Macrorhynchia balei Okinawa, 142-149 m - Japan
Macrorhynchia balei
Macrorhynchia philippina Porto Santo, 14 m - Madeira
Macrorhynchia philippina 3-25 m - S Panama & W Costa Rica (9)
Macrorhynchia philippina 4-28 m - Panama (Caribbean and Pacific) + Brazil + Madeira + Sierra Lione (18)
Macrorhynchia philippina Alagoas - Brazil
Macrorhynchia philippina Bocas del Toro, 23-20 m - NW Panama
Macrorhynchia philippina Moorea + Europa Island - SW Indian Ocean & W Pacific (4)
Macrorhynchia philippina Juan de Nova Island - SW Indian Ocean
Macrorhynchia philippina Três Penedos & Bone de Joca, 5-25 m - Príncipe (2)
Macrorhynchia philippina Mosteiros, 12-6 m - Príncipe
Macrorhynchia philippina - lineage 1
Macrorhynchia philippina Europa Island - SW Indian Ocean (5)
Macrorhynchia philippina Nouméa, 18 m - New Caledonia
Macrorhynchia philippina - lineage 2
Macrorhynchia sibogae Nosy Ranj - Madagascar
Macrorhynchia sibogae Mayotte - SW Indian Ocean
Macrorhynchia phoenicea Voh, 6 m - New Caledonia
Macrorhynchia phoenicea New Caledonia
Macrorhynchia phoenicea New Caledonia
Macrorhynchia phoenicea New Caledonia
Macrorhynchia sp. 1 Mayotte - SW Indian Ocean
Macrorhynchia phoenicea Sakatia, 10 m - Madagascar
Macrorhynchia spectabilis Glorieuses Islands - SW Indian Ocean
Macrorhynchia phoenicea Juan de Nova Island - SW Indian Ocean
Macrorhynchia phoenicea Reunion Island
Macrorhynchia phoenicea Mayotte - SW Indian Ocean
Macrorhynchia phoenicea Mayotte - SW Indian Ocean
Macrorhynchia phoenicea Europa Island - SW Indian Ocean (3)
Macrorhynchia spectabilis E Bali, 15 m - Indonesia
Macrorhynchia crestata Okinawa, 142-149 m - Japan
Macrorhynchia fulva Okinawa, 141-168 m - Japan (3)
Macrorhynchia crestata Okinawa, 115 m - Japan
Macrorhynchia crestata Okinawa, 90 m - Japan
Macrorhynchia phoenicea Mayotte - SW Indian Ocean
Macrorhynchia phoenicea + M. sibogae + M. spectabilis + M. fulva + M. crestata
Lytocarpia canepa Argentina
Lytocarpia canepa
Aglaophenia sinuosa New Caledonia
Aglaophenia sinuosa New Caledonia
Aglaophenia sinuosa New Caledonia
Aglaophenia sinuosa New Caledonia
Aglaophenia sinuosa
Lytocarpia brevirostris Europa Island - SW Indian Ocean (4)
Lytocarpia brevirostris Geyser bank + Glorieuses Islands - SW Indian Ocean (2)
Lytocarpia brevirostris - lineage 1
Lytocarpia brevirostris Nouméa, 5-25 m - New Caledonia
Lytocarpia brevirostris - lineage 2
Lytocarpia brevirostris New Caledonia
Lytocarpia brevirostris New Caledonia
Lytocarpia brevirostris - lineage 3
Lytocarpia brevirostris New Caledonia
Lytocarpia brevirostris - lineage 4
Lytocarpia brevirostris Europa Island - SW Indian Ocean
Lytocarpia brevirostris Europa Island - SW Indian Ocean
Lytocarpia brevirostris Europa Island - SW Indian Ocean
Lytocarpia brevirostris - lineage 5
Lytocarpia brevirostris Geyser bank - SW Indian Ocean
Lytocarpia brevirostris Geyser bank - SW Indian Ocean
Lytocarpia brevirostris Mayotte - SW Indian Ocean
Lytocarpia brevirostris Reunion Island
Lytocarpia brevirostris Reunion Island
Lytocarpia brevirostris Reunion Island
Lytocarpia brevirostris Reunion Island (2)
Lytocarpia brevirostris - lineage 6
Aglaophenia latecarinata Isla Uvita, 14-24 m - E Costa Rica
Aglaophenia latecarinata Key Biscayne (E Florida), 0.5 m - SE USA
Aglaophenia latecarinata Carrie Bow Cay + Fort Pierce, 0-6 m - Belize & E Florida (2)
Aglaophenia latecarinata Isla Tambor, 27-15 m - NE Panama
Aglaophenia latecarinata - lineage 1
Aglaophenia latecarinata São Sebastião - Brazil
Aglaophenia latecarinata - lineage 2
Lytocarpia orientalis Okinawa, 165-141 m - Japan
Lytocarpia orientalis Okinawa, 126-136 m - Japan
Lytocarpia orientalis
Aglaophenia rhynchocarpa Carrie Bow Cay, 40-20 m - Belize
Aglaophenia rhynchocarpa Isla Grande, 25-14 m - NE Panama
Aglaophenia rhynchocarpa off Guaira, 27-8 m - NE Panama (3)
Aglaophenia rhynchocarpa Isla Grande, 25-15 m - NE Panama
Aglaophenia rhynchocarpa Alagoas - Brazil
Aglaophenia rhynchocarpa Alagoas - Brazil
Aglaophenia rhynchocarpa Isla Uvita, 16-13 m - E Costa Rica
Aglaophenia rhynchocarpa Isla Uvita, 16-13 m - E Costa Rica
Aglaophenia rhynchocarpa Isla Uvita, 24-16 m - E Costa Rica
Aglaophenia rhynchocarpa Isla Uvita, 16-13 m - E Costa Rica
Aglaophenia rhynchocarpa Bocas del Toro, 17 m - NW Panama
Aglaophenia rhynchocarpa Bocas del Toro, 26-15 m - NW Panama (2)
Aglaophenia rhynchocarpa
Aglaophenia cupressina Gili Trawagan, 20 m - Indonesia
Aglaophenia cupressina Europa Island - SW Indian Ocean (2)
Aglaophenia cupressina Europa Island - SW Indian Ocean
Aglaophenia cupressina Mayotte - SW Indian Ocean
Aglaophenia cupressina Mayotte - SW Indian Ocean
Aglaophenia cupressina Glorieuses Islands - SW Indian Ocean
Aglaophenia cupressina Geyser bank - SW Indian Ocean (2)
Aglaophenia cupressina Geyser bank - SW Indian Ocean
Aglaophenia cupressina
Aglaophenia posdentata Glovers atoll + Carrie Bow Cay, 30-5 m - Belize (2)
Aglaophenia postdentata Reunion Island
Aglaophenia postdentata Mayotte - SW Indian Ocean
Aglaophenia postdentata Príncipe, 3-25 m - São Tomé and Príncipe (2)
Aglaophenia postdentata Reunion Island
Aglaophenia postdentata Coiba, 20-7 m - SW Panama
Aglaophenia postdentata
Lytocarpia delicatula Okinawa, 86-186 m - Japan (2)
Lytocarpia delicatula
Aglaophenia tubulifera Cabo Espichel + Viana do Castelo, 25-45 m - W + NW Portugal (4)
Aglaophenia tubulifera Berlengas, 30-38 m - W Portugal (2)
Aglaophenia tubulifera Ibérico, 1021 m - Gulf of Cadiz
Aglaophenia tubulifera Berlengas, 35-25 m - W Portugal
Aglaophenia tubulifera Lundy, 5-40 m - UK
Aglaophenia tubulifera Portimão, 48 m - S Portugal
Aglaophenia tubulifera Condor Bank, 189 m - Azores
Aglaophenia tubulifera Princess Alice Bank, 201 m - Azores
Aglaophenia tubulifera Pico-Faial, 548 m - Azores
Aglaophenia tubulifera Azores Bank, 368 m - Azores
Aglaophenia tubulifera Princess Alice Bank, 165-219 m - Azores
Aglaophenia tubulifera Azores Bank, 261 -731 m - Azores
Aglaophenia tubulifera Cavala Bank, 435 m - Azores
Aglaophenia tubulifera Gigante Bank, 292 m - Azores
Aglaophenia tubulifera Terceira, 60 m - Azores
Aglaophenia tubulifera E S. Miguel, 117 m - Azores
Aglaophenia tubulifera Mar da Prata, 218 m - Azores
Aglaophenia tubulifera Voador Bank, 225 m - Azores
Aglaophenia tubulifera Mar da Prata, 210 m - Azores (2)
Aglaophenia tubulifera Pico-Faial - Azores
Aglaophenia tubulifera Pico, 311 m - Azores
Aglaophenia tubulifera Pico, 437 m - Azores
Aglaophenia tubulifera Condor Bank, 189-222 m - Azores (3)
Aglaophenia tubulifera Condor Bank, 244 m - Azores
Aglaophenia tubulifera
Aglaophenia trifida Isla Uvita, 16-24 m - E Costa Rica
Aglaophenia trifida - lineage 1
Aglaophenia trifida Isla Tambor, 15-10 m - NE Panama
Aglaophenia trifida Isla Grande, 25-15 m - NE Panama
Aglaophenia trifida Isla Tambor, 27-15 m - NE Panama
Aglaophenia trifida Isla Tambor, 27-15 m - NE Panama
Aglaophenia trifida - lineage 2
Aglaophenia trifida Bastimentos, Bocas del Toro, 17 m - NW Panama
Aglaophenia trifida Bocas del Toro, 26-8 m - NW Panama (2)
Aglaophenia trifida Escudo Veraguas, 30-18 m - N Panama (2)
Aglaophenia trifida - lineage 3
Aglaophenia prominens Galapagos, 25 m - Ecuador
Aglaophenia prominens Pedasí, 15 m - S Panama
Aglaophenia prominens Islas Pelonas, 6-3 m - NW Costa Rica
Aglaophenia prominens Bahia Culebra, 14-7 m - NW Costa Rica
Aglaophenia prominens
Aglaophenia picardi Faial, 33-8 m - Azores
Aglaophenia picardi S. Miguel, 18-23 m - Azores
Aglaophenia picardi Pico + Faial, 3-18 m - Azores (2)
Aglaophenia picardi Mallorca - S Spain
Aglaophenia picardi Faial + S. Miguel + Flores + Madeira, 3-30 m - Azores & Madeira (8)
Aglaophenia picardi S. Miguel, 15-19 m - Azores
Aglaophenia picardi Mallorca, 0.5 m - S Spain
Aglaophenia picardi Faial & Flores, 33-8 m - Azores (2)
Aglaophenia picardi
Aglaophenia cf. octodonta Formigas, 40-20 m - Azores
Aglaophenia cf. octodonta (lineage 1)
Aglaophenia tubiformis Chioggia - Italy
Aglaophenia cf. octodonta /pluma Sagres + Sines, 10-25 m - S & SW Portugal (3)
Aglaophenia octodonta Villefranche-sur-Mer, 1 m - S France
Aglaophenia cf. octodonta (lineage 2) + A. tubiformis (lineage 1) + A. pluma (lineage 1)
Aglaophenia kirchenpaueri Algarve + Berlengas + Gorringe + UK, 2-39 m - S and W Portugal, Gorringe, UK (19)
Aglaophenia kirchenpaueri Berlenga, 5-14 m - W Portugal
Aglaophenia kirchenpaueri Sagres, 2-18 m - S Portugal
Aglaophenia kirchenpaueri Berlenga, 22-18 m - W Portugal
Aglaophenia kirchenpaueri Mljet Island, 16 m - Croatia
Aglaophenia kirchenpaueri Mljet Island, 3 m - Croacia
Aglaophenia kirchenpaueri Giglio Island, 30 m - Italy
Aglaophenia kirchenpaueri
Aglaophenia sp2 Lido + Machico, 3-13 m - Madeira (3)
Aglaophenia sp2 Caniçal + Machico, 4-18 m - Madeira (2)
Aglaophenia sp2
Aglaophenia sp1 Condor bank, 240 m - Azores
Aglaophenia sp1 Azores bank (35 miles), 468 m - Azores
Aglaophenia sp1 Condor bank, 238 m - Azores
Aglaophenia sp1 Condor bank - Azores
Aglaophenia sp1
Aglaophenia acacia + A. elongata Giglio Island - Italy (2)
Aglaophenia acacia (lineage 1) + A. elongata
Aglaophenia lophocarpa Azores Bank, 256 m - Azores
Aglaophenia lophocarpa Princess Alice Bank, 188 m - Azores
Aglaophenia lophocarpa Azores Bank, 229 m - Azores
Aglaophenia acacia Baixa do Sul, Pico, 60 m - Azores
Aglaophenia acacia Faial, 33-8 m - Azores
Aglaophenia acacia Galicia, Ferrol, 12 m - Spain
Aglaophenia lophocarpa Meknes MV, 700 m - Gulf of Cadiz
Aglaophenia lophocarpa Melilla Carb. Mound , 300 m - Alboran Sea
Aglaophenia lophocarpa Kidd MV, 489 m - Gulf of Cadiz
Aglaophenia lophocarpa Pen Duick escarp. + Mercator MV + Dakha MV + Carb. Prov., 444-473 m - Gulf of Cadiz (5)
Aglaophenia lophocarpa NE Mercator MV, 432 m - Gulf of Cadiz
Aglaophenia lophocarpa Mercator MV, 355 m - Gulf of Cadiz
Aglaophenia lophocarpa Formigas, 60 m - Azores
Aglaophenia lophocarpa Formigas, ca. 70 m - Azores
Aglaophenia lophocarpa + A. acacia (lineage 2)
Aglaophenia parvula Cape Hope - South Africa
Aglaophenia parvula False Bay - South Africa
Aglaophenia parvula Sagres, 2-22 m - S Portugal
Aglaophenia parvula Praia Amado, 2-11 m - SW Portugal
Aglaophenia parvula Cascais + Ericeira + Berlengas + Vigo, 0-15 m - W Portugal & NW Spain (4)
Aglaophenia parvula
Aglaophenia struthionides Monterey (N California), 15-3 m - W USA
Aglaophenia latirostris Carmel Meadows (N California), 16-6 m - W USA (2)
Aglaophenia struthionides Near Monterey Breakwater - W USA
Aglaophenia struthionides Monterey (N California), 10 m - W USA
Aglaophenia latirostris + A. struthionides
Aglaophenia acacia Sagres, 2-22 m - S Portugal
Aglaophenia acacia - lineage 3
Aglaophenia pluma Sta Cesarea, 5-0 m - S Italy
Aglaophenia octodonta Graciosa, 15-9 m - Azores
Aglaophenia pluma Madalena do Mar, 5-9 m - Madeira
Aglaophenia octodonta Madalena do Mar, 5-9 m - Madeira
Aglaophenia octodonta Sagres, 1-15 m - S Portugal
Aglaophenia pluma Porto Covo, 12-20 m - SW Portugal
Aglaophenia pluma Algarve + Sines + Berlengas, 4-26 m - S, SW & W Portugal (7)
Aglaophenia pluma Sagres, 10-25 m - S Portugal
Aglaophenia pluma Pto Santo + Algarve, 5-25 m - Madeira & S Portugal (4)
Aglaophenia cf. octodonta Sagres, 5-15 m - S Portugal
Aglaophenia cf. pluma Tavira, 10-25 m - S Portugal
Aglaophenia pluma Faro, 10-25 m - S Portugal (2)
Aglaophenia tubiformis Banyuls-sur-mer - S France
Aglaophenia tubiformis Mallorca, 1 m - S Spain
Aglaophenia octodonta Banyuls-sur-mer, 3-4 m - S France
Aglaophenia pluma Benidorm, 8-26 m - S Spain
Aglaophenia tubiformis Plymouth, 2-17 m - UK
Aglaophenia octodonta Albufeira, 2-3 m - S Portugal
Aglaophenia pluma Gettysburg + Sagres + Berlengas + Vigo + Lundy, 0.2-39 m - Gorringe, S & W Portugal, NW Spain, UK (5)
Aglaophenia pluma Villefranche-Sur-Mer - S France
Aglaophenia octodonta Mallorca + Lagos + Gettysburg + Plymouth, 0.2-33 m - S Spain, S Portugal, Gorringe, UK (7)
Aglaophenia tubiformis Roscoff - NW France
Aglaophenia harpago Mljet Island + Cirkewwa, 16-25 m - Croacia & Malta (2)
Aglaophenia harpago Chioggia, 2 m - Italy
Aglaophenia harpago Giglio Island - Italy
Aglaophenia cf. pluma 5-15 m - Selvagens (5)
Aglaophenia pluma Selvagem Pequena, 15 m - Selvagens
Aglaophenia pluma Pico, 17 m - Azores
Aglaophenia cf. octodonta Pico-Faial, 46 m - Azores
Aglaophenia pluma Pto Santo, 41 m - Madeira
Aglaophenia pluma S. Miguel + Formigas + D.J.Castro bank, 5-40 m - Azores (5)
Aglaophenia cf. octodonta Terceira, 23-7 m - Azores
Aglaophenia octodonta S. Miguel + Terceira, 26-6 m - Azores (2)
Aglaophenia octodonta Faial, 15-40 m - Azores
Aglaophenia pluma Formigas + Faial + Pico + Flores, 5-40 m - Azores (5)
Aglaophenia octodonta VilleFranche-Sur-Mer, 1-2 m - S France (3)
Aglaophenia pluma (lineage 2) + A. tubiformis (lineage 2) + A. octodonta (lineage 3) + A. harpago
Lytocarpia sp. Mayotte - SW Indian Ocean
Lytocarpia sp.
Lytocarpia myriophyllum Condor Bank, 191 m - Azores
Lytocarpia myriophyllum Condor Bank, 442 m - Azores
Lytocarpia myriophyllum Princess Alice Bank, 249-371 m - Azores
Lytocarpia myriophyllum Azores Bank, 228 m - Azores
Lytocarpia myriophyllum Princess Alice Bank, 399 m - Azores
Lytocarpia myriophyllum Princess Alice Bank, 470 m - Azores
Lytocarpia myriophyllum Azores Bank, 239 m - Azores
Lytocarpia myriophyllum Azores Bank + Princess Alice Bank, 202-434 m - Azores (8)
Lytocarpia myriophyllum Azores Bank + Princess Alice Bank, 279-239 m - Azores (2)
Lytocarpia myriophyllum Azores Bank, 202 m - Azores
Lytocarpia myriophyllum Princess Alice Bank, 265 m - Azores
Lytocarpia myriophyllum Azores Bank, 243 m - Azores
Lytocarpia myriophyllum Mellila carb. mound, 245 m - Alboran Sea
Lytocarpia myriophyllum Pen Duick Escarp., 494 m - Gulf of Cadiz
Lytocarpia myriophyllum off Caniçal, 600 m - Madeira
Lytocarpia myriophyllum Pen Duick Escarpm., 498 m - Gulf of Cadiz
Lytocarpia myriophyllum N Terceira, 163 m - Azores
Lytocarpia myriophyllum S. Miguel, 596-555 m - Azores
Lytocarpia myriophyllum S. Miguel, 555 m - Azores
Lytocarpia myriophyllum B.J.Valente, 101 m - Cape Verde
Lytocarpia myriophyllum S. Vicente, 329 m - Cape Verde
Lytocarpia myriophyllum
Lytocarpia phyteuma Mayotte - SW Indian Ocean (2)
Lytocarpia phyteuma E Bali, 15 m - Indonesia
Lytocarpia phyteuma - lineage 1
Lytocarpia sp. Sakatia - Madagascar
Lytocarpia phyteuma Bonin Islands, 9 m - Japan
Lytocarpia phyteuma - lineage 2
Lytocarpia phyteuma Europa Island + Mayotte - SW Indian Ocean (2)
Lytocarpia phyteuma Mayotte + Europa Island - SW Indian Ocean (2)
Lytocarpia phyteuma Geyser bank - SW Indian Ocean
Lytocarpia phyteuma Juan de Nova Island - SW Indian Ocean
Lytocarpia phyteuma Europa Island - SW Indian Ocean
Lytocarpia phyteuma Andaman Sea - Thailand
Lytocarpia phyteuma Geyser bank - SW Indian Ocean (2)
Lytocarpia phyteuma - lineage 3
Lytocarpia phyteuma New Caledonia (2)
Lytocarpia phyteuma New Caledonia
Lytocarpia phyteuma - lineage 4
Lytocarpia phyteuma Moorea
Lytocarpia phyteuma Moorea
Lytocarpia phyteuma Moorea (2)
Lytocarpia phyteuma - lineage 5
Lytocarpia phyteuma Moorea
Lytocarpia phyteuma Moorea
Lytocarpia phyteuma - lineage 6
Gymnangium expansum Okinawa, 141-165m - Japan
Gymnangium expansum
Gymnangium sibogae/allmani Europa Island - SW Indian Ocean
Gymnangium sibogae/allmani - lineage 1
Gymnangium insigne Moorea
Gymnangium insigne Moorea
Gymnangium insigne
Gymnangium sibogae/allmani New Caledonia
Gymnangium sibogae/allmani - lineage 2
Gymnangium hians Bangka Island, 10-15 m - Indonesia
Gymnangium hians Pee Pee Island - Thailand
Gymnangium hians E Bali, 15 m - Indonesia
Gymnangium hians Geyser bank + Mayotte - SW Indian Ocean (2)
Gymnangium hians Geyser bank - SW Indian Ocean
Gymnangium hians Sakatia, 10 m - Madagascar
Gymnangium hians Europa Island - SW Indian Ocean
Gymnangium hians Europa Island - SW Indian Ocean (3)
Gymnangium hians Reunion Island - SW Indian Ocean
Gymnangium hians Mayotte - SW Indian Ocean (2)
Gymnangium hians New Caledonia
Gymnangium hians New Caledonia (2)
Gymnangium hians Mayotte - SW Indian Ocean
Gymnangium hians
cf. Gymnangium sp. St Johns, 27-178 m - Antigua
cf. Gymnangium sp.
Gymnangium speciosum Escudo, 26-30 m - N Panama
Gymnangium sinuosum Escudo, 28-18 m - N Panama
Gymnangium speciosum (lineage 1) + G. sinuosum
Gymnangium montagui Berlengas + Sagres, 5-26 m - W Portugal (2)
Gymnangium montagui Algarve + Alentejo + Berlengas + V. Castelo + Lundy, 3-44 m - Portugal & UK (11)
Gymnangium montagui Sines, 15-20 m - SW Portugal
Gymnangium montagui Viana Castelo, 33-15 m - N Portugal
Gymnangium montagui
Gymnangium allmani Isla Grande, 25-15 m - NE Panama
Gymnangium allmani Isla Tambor, 15-10 m - NE Panama
Gymnangium allmani - lineage 3
Gymnangium allmani Bocas del Toro, 8-28 m - NW Panama (4)
Gymnangium speciosum Tairona Reserve, 3-15 m - NE Colombia
Gymnangium speciosum (lineage 2) + G. allmani (lineage 4)
Streptocaulus cf. multiseptatus Mercator MV, 353 m - Gulf of Cadiz
Streptocaulus cf. multiseptatus
Streptocaulus sp. NE Mercator MV, 376 m - Gulf of Cadiz
Streptocaulus sp.
Streptocaulus dollfusi Granada MV + Mellila MV + NE Mercator MV + Carb. Prov., 300-600 m - W Mediterranean & Gulf of Cadiz (4)
Streptocaulus dollfusi
Streptocaulus pectiniferus Plato, 485 m - Azores
Streptocaulus pectiniferus
Cladocarpus bocki Okinawa, 88-105 m - Japan
Cladocarpus bocki
Streptocaulus unilateralis Okinawa, 179-192 m - Japan
Streptocaulus unilateralis
Schizotricha trinematotheca Balleny Islands - Antarctica
Schizotricha trinematotheca
Schizotricha nana Ross Sea - Antarctica
Schizotricha nana
Schizotricha crassa Low Island - Antarctica
Schizotricha crassa
Schizotricha falcata Low Island - Antarctica
Schizotricha falcata
Schizotricha turqueti Ross Sea - Antarctica
Schizotricha turqueti
Schizotricha unifurcata King George Island, 40 m - Antarctica
Schizotricha unifurcata
Schizotricha profunda E Florida, 732-778 m - SE USA (2)
Schizotricha profunda
Kirchenpaueria pinnata Monterey, 15-13 m - W USA
Kirchenpaueria pinnata Monterey Bay, 10 m - W USA
Kirchenpaueria pinnata - lineage 1
Kirchenpaueria pinnata Alvor + Sines, 9-13 m - S & SW Portugal (2)
Kirchenpaueria pinnata Voador Bank, 289 m - Azores
Kirchenpaueria pinnata Meknes carb. prov., 738 m - Gulf of Cadiz
Kirchenpaueria pinnata Sagres, 1-15 m - S Portugal
Kirchenpaueria pinnata Lagos + Cascais + Plymouth, 1-20 m - W Portugal (3)
Kirchenpaueria pinnata Roscoff - N France
Kirchenpaueria similis Roscoff - N France
Kirchenpaueria similis Faial, Horta, 7 m - Azores
Kirchenpaueria similis Faial + S. Miguel, 5-21 m - Azores (2)
Kirchenpaueria similis Sagres, PtaCaminhos, 18-2 m - S Portugal
Kirchenpaueria pinnata Tavira, 25-10 m - S Portugal
Kirchenpaueria pinnata/similis Aljezur + Ericeira, 1-11 m - SW & W Portugal (2)
Kirchenpaueria similis Lagoa + Milfontes + Sines, 1-15 m - SW Portugal (3)
Kirchenpaueria pinnata Flores + Sagres, 1-16 m - Azores + S Portugal (2)
Kirchenpaueria pinnata Berlengas, 25-38 m - W Portugal (2)
Kirchenpaueria pinnata Berlengas, 17-22 m - W Portugal
Kirchenpaueria similis Princess Alice Bank + D.J. Castro bank + S. Miguel + Lido, 5-42 m - Azores + Madeira (4)
Kirchenpaueria similis Formigas, S. Miguel, Pico, 5-30 m - Azores (3)
Kirchenpaueria pinnata Flores, 3-10 m - Azores
Kirchenpaueria pinnata (lineage 2) + K. similis
Pycnotheca mirabilis Wellington - New Zealand
Pycnotheca mirabilis Wellington - New Zealand
Pycnotheca mirabilis
Kirchenpaueria plumularioides Alaska, 330 m - NW USA
Kirchenpaueria plumularioides
Oswaldella shetlandica Low Island - Antarctica
Oswaldella shetlandica
Oswaldella grandis Livingston Island - Antarctica
Oswaldella grandis
Oswaldella stepanjantsae Ross Sea - Antarctica
Oswaldella stepanjantsae
Oswaldella laertesi Ross Sea - Antarctica
Oswaldella laertesi
Oswaldella incognita Balleny Islands - Antarctica
Oswaldella incognita
Kirchenpaueria halecioides Pto da Horta, Faial, 18-5 m - Azores
Kirchenpaueria halecioides - lineage 1
Kirchenpaueria halecioides Mallorca - S Spain
Kirchenpaueria halecioides Pto da Calheta, 0.5 m - Madeira
Kirchenpaueria halecioides Mar da Prata + S. Miguel + Madeira + Olhão + Sines, 0-8 m - Argentina, Azores, Madeira, S & SW Portugal (8)
Kirchenpaueria halecioides Madalena do Mar, 5-9 m - Madeira
Kirchenpaueria halecioides Santa Catarina - Brazil
Kirchenpaueria halecioides Key Biscayne, E Florida, 0.5 m - SE USA
Kirchenpaueria halecioides Glovers atoll, 0.5 m - Belize
Kirchenpaueria halecioides Glovers atoll, 30-17 m - Belize
Kirchenpaueria halecioides - lineage 2
Pseudoplumaria marocana Portimão + Sagres, 50-100 m - S Portugal (2)
Pseudoplumaria marocana
Polyplumaria flabellata Mar da Prata, 96 m - Azores
Polyplumaria flabellata Princesa Alice Bank + Azores Bank + Serreta + Terceira + Mar da Prata, 210-430 m - Azores (5)
Polyplumaria flabellata Azores Bank, 219-329 m - Azores
Polyplumaria flabellata Azores Bank, 354 m - Azores
Polyplumaria flabellata Condor Bank, 442 m - Azores
Polyplumaria flabellata Mar da Prata, 124 m - Azores
Polyplumaria flabellata Princesa Alice Bank, 182-365 m - Azores
Polyplumaria flabellata S. Miguel + Terceira + S. Jorge + Mar da Prata + P. Alice Bank + Condor Bank + Azores Bank, 170-1153 m - Azores (10)
Polyplumaria flabellata Azores Bank, 329 m - Azores
Polyplumaria flabellata Azores Bank, 263-475 m - Azores
Polyplumaria flabellata Condor Bank, 222-1153 m - Azores
Polyplumaria flabellata Condor Bank + Menez Gwen, 357-450 m - Azores (2)
Polyplumaria flabellata Flores island, 144 m - Azores
Polyplumaria flabellata Graciosa, 146 m - Azores
Polyplumaria flabellata Graciosa, 300-267 m - Azores
Polyplumaria flabellata Terceira, 76 m - Azores
Polyplumaria flabellata - lineage 1
Polyplumaria flabellata Bay of Biscay + Pen Duick escarp. + NE Mercator MV, 119-451 m - N Spain & Gulf of Cadiz (3)
Polyplumaria flabellata - lineage 2
Antennella secundaria Bone de Joca, 25-10 m - Príncipe
Antennella secundaria - lineage 1
Halopteris minuta Devonport - New Zealand (2)
Halopteris minuta
Halopteris schucherti Punta Huinay - Chile
Halopteris schucherti
Halopteris violae Panama City, 7-2 m - S Panama
Halopteris violae
Halopteris diaphana La Cornuda, 20-10 m - Costa Rica
Halopteris diaphana Pedasí, 15-5 m - S Panama
Halopteris diaphana - lineage 1
Halopteris diaphana Madalena do Mar + Machico, 5-9 m - Madeira (2)
Halopteris diaphana Garajau, 15-3 m - Madeira
Halopteris diaphana - lineage 2
Halopteris diaphana Ribeira Brava, 3-8 m - Madeira
Halopteris diaphana - lineage 3
Halopteris tenella Brazil
Halopteris tenella
Halopteris diaphana Benidorm, 8-26 m - S Spain
Halopteris diaphana Banyuls-sur-Mer - S France
Halopteris diaphana Faial + Lagos + Berlengas, 1-14 m - Azores & S,W Portugal (3)
Halopteris diaphana Algarve + Alentejo + Faial + Madeira, 1-37 m - S,SW Portugal & Madeira & Azores (7)
Halopteris diaphana Flores + Sines, 10-15 m - Azores & SW Portugal (2)
Halopteris diaphana Mallorca - S Spain
Halopteris diaphana Flores, 10-15 m - Azores
Halopteris diaphana Horta, Faial, 3-18 m - Azores
Halopteris diaphana Berlenga, 5-16 m - W Portugal
Halopteris diaphana - lineage 4
Antennella secundaria Bocas del Toro + Portobelo, 25-10 m - NW & NE Panama (2)
Antennella secundaria - lineage 2
Halopteris polymorpha Banyuls-sur-Mer - S France
Halopteris polymorpha
Halopteris alternata Bocas del Toro, 6-8 m - NW Panama
Halopteris alternata Bocas del Toro, 15-5 m - NW Panama
Halopteris alternata Bocas del Toro, 15-9 m - NW Panama
Halopteris alternata - lineage 1
Halopteris alternata Carrie Bow Cay, 6 m - Belize
Halopteris alternata Carrie Bow Cay, 40-20 m - Belize
Halopteris alternata - lineage 2
Halopteris alternata Mosteiros + Gale + Três Penedos + Boca de Joca, 12-6 m - Príncipe (5)
Halopteris alternata Coiba, 25-7 m - SW Panama
Halopteris alternata - lineage 3
Halopteris alternata Miami + Glovers atoll, 30-16 m - Belize & SE USA (2)
Halopteris alternata - lineage 4
Halopteris sp. Gili, 4 m - Indonesia
Halopteris sp.
Halopteris carinata Farallon + Escudo + Bocas del Toro, 5-28 m - NE & NW Panama (5)
Halopteris carinata Bocas del Toro, 12-7 m - Panama
Halopteris carinata Isla Tambor, 27-15 m - NE Panama
Halopteris carinata Carrie Bow Cay, 25-15 m - Belize
Halopteris carinata Carrie Bow Cay, 40-20 m - Belize
Halopteris carinata Jupiter (E Florida), 30 m - SE USA
Halopteris carinata West Palm Beach + Miami (E Florida), 27-15 m - SE USA (2)
Halopteris carinata Alagoas - Brazil
Halopteris carinata Honduras
Halopteris carinata Glovers atoll + Carrie Bow Cay, 15-30 m - Belize (3)
Halopteris carinata Pinacles, 40-20 m - Belize
Halopteris carinata
Halopteris liechtensternii Mallorca - S Spain
Halopteris liechtensternii Sagres, 1-15 m - S Portugal
Halopteris liechtensternii
Halopteris alternata Glovers atoll + S. Tomé + Ilhabela, 3-30 m - Belize, São Tomé and Príncipe & Brazil (3)
Halopteris alternata Alagoas - Brazil
Halopteris alternata S. Tomé, Selvagens, Lido, Portobelo, Isla del Coco, 6-24 m - S. Tomé & Selvagens & Madeira & NE Panama & W Costa Rica (5)
Halopteris alternata - lineage 5
Antennella kiwiana Devonport - New Zealand
Antennella kiwiana
Antennella siliquosa Roscoff + Berlengas, 17-75 m - N France & W Portugal (2)
Antennella siliquosa
Antennella sp. Isla Tambor, 27-15 m - NE Panama
Antennella sp.
Antennella ansini S. Miguel, 5-23 m - Azores (2)
Antennella ansini Mallorca - S Spain
Antennella ansini
Monostaechas sp. San Juan del Sur, 15 m - Nicaragua
Monostaechas sp.
Monostaechas quadridens La Cornuda, 20-10 m - NW Costa Rica
Monostaechas quadridens - lineage 1
Monostaechas quadridens Santa Catarina - Brazil
Monostaechas quadridens - lineage 2
Monostaechas quadridens Isla Uvita, 16-13 m - Costa Rica
Monostaechas quadridens Glovers atoll, 30-17 m - Belize
Monostaechas quadridens - lineage 3
Monostaechas quadridens Isla Uvita, 16-24 m - Costa Rica
Monostaechas quadridens - lineage 4
Monostaechas quadridens Lido, 10-15 m - Madeira
Monostaechas quadridens Funchal naval club, 13-3 m - Madeira
Monostaechas quadridens Madalena do Mar, 5-9 m - Madeira
Monostaechas quadridens - lineage 5
Antennella confusa Condor bank, 222 m - Azores
Antennella confusa Cavala Bank + Gigante Bank, 430-530 m - Azores (2)
Antennella confusa Gigante Bank + P. Alice Bank + Cavala Bank, 280-417 m - Azores (3)
Antennella confusa Azores Bank, 293 m - Azores
Antennella confusa São Jorge, 1102-1137 m - Azores
Antennella confusa Corvo, 735-727 m - Azores
Antennella confusa São Jorge, 1061-1100 m - Azores (2)
Antennella confusa Formigas + Mar da Prata, 60-124 m - Azores (2)
Antennella confusa Azores Bank, 229 m - Azores
Antennella confusa Azores Bank, 183 m - Azores
Antennella confusa Condor, Cavala, Azores and Gigante Banks + Faial Channel + Terceira, 129-1175 m - Azores (14)
Antennella confusa Condor Bank, 177 m - Azores
Antennella confusa
Antennella secundaria D. J. Castro Bank + Terceira, 4-32 m - Azores (3)
Antennella secundaria Graciosa + Formigas, 6-20 m - Azores (2)
Antennella secundaria Algarve + Alentejo, 1-20 m - S & SW Portugal (5)
Antennella secundaria Sagres, 5-25 m - S Portugal
Antennella secundaria Berlengas + Sagres, 3-38 m - W&S Portugal (6)
Antennella secundaria Monte da Guia, 33-8 m - Azores
Antennella secundaria Ormonde seamount, 35-37 m - Gorringe Bank
Antennella secundaria Morlaix, 24-28 m - N France
Antennella secundaria Roscoff - N France
Antennella secundaria Carbonate province unknown, 473 m - Gulf of Cadiz
Antennella secundaria Melilla Carbonate Mound, 300 m - Alboran Sea
Antennella secundaria Portimão + Banyuls-sur-Mer, 48-? m - S Portugal & S France (2)
Antennella secundaria - lineage 3
Antennella secundaria Ribeira Brava, 3-8 m - Madeira
Antennella secundaria - lineage 4
Antennella secundaria Carrie Bow Cay, ca. 6 m - Belize
Antennella similis Bocas del Toro, 15-9 m - NW Panama
Antennella similis (lineage 1) + A. secundaria (lineage 5)
Antennella secundaria Bahia Culebra, 14-7 m - Costa Rica
Antennella secundaria - lineage 6
Antennella secundaria Coiba, 20-6 m - SW Panama
Antennella secundaria Coiba, 20-7 m - SW Panama
Antennella secundaria - lineage 7
Antennella secundaria Gili Trawavan, 15 m - Indonesia
Antennella secundaria - lineage 8
Antennella similis Miami (E Florida), 30-24 m - SE USA
Antennella similis - lineage 2
Antennella secundaria Baixa Machico, 18-24 m - Madeira
Antennella secundaria - lineage 9
Antennella similis São Tomé + Príncipe + Escudo Veraguas, 0-30 m - S. Tomé and Príncipe & NW Panama (9)
Antennella similis Mosteiros, 12-6 m - Príncipe
Antennella similis - lineage 3
Halopteris geminata E Florida, 732-469 m - SE USA (2)
Halopteris geminata E Florida, 730-684 m - SE USA (2)
Halopteris geminata
Antennella secundaria Carbonate prov. unknown, ??? m - Gulf of Cadiz
Antennella secundaria Dhakan MV + Granada MV, 377-600 m - Alboran Sea (2)
Antennella secundaria - lineage 10
Halopteris catharina V. Castelo + Mercator MV, 25-355 m - N Portugal & Gulf of Cadiz (2)
Halopteris catharina Lundy Island, 5-35 m - UK
Halopteris catharina Roscoff - N France
Halopteris catharina
Monostaechas sp. off Panama City, 12-4 m - S Panama
Monostaechas sp.
Antennella secundaria La Cornuda, 20-10 m - NW Costa Rica
Antennella secundaria - lineage 11
Antennella cf. peculiaris /similis Escudo Veraguas, 28-18 m - N Panama
Antennella peculiaris Portobelo, 17-10 m - NE Panama
Antennella cf. peculiaris / similis (lineage 4)
Dentitheca bidentata Alagoas - Brazil
Dentitheca bidentata Ilhabela - Brazil
Dentitheca bidentata
Plumularia spiralis Sulawesi, 15-20 m - Indonesia
Plumularia spiralis Bali - Indonesia
Plumularia spiralis
Dentitheca dendritica Bahamas + Providenciales Island, 15-39 m - SE USA & Turks and Caicos (2)
Dentitheca dendritica Grand Terre, 24 m - W Guadalupe
Dentitheca dendritica Bahamas, 8-36 m - SE USA (2)
Dentitheca dendritica Bahamas, Cat Island, 30 m - SE USA
Dentitheca dendritica Bocas del Toro, 14-8 m - NW Panama
Dentitheca dendritica Bahamas + Grover's atoll + Bocas del Toro, 6-44 m - SE USA & Belize & NW Panama (3)
Dentitheca dendritica Pinacles, 40-20 m - Belize
Dentitheca dendritica Roatan, 30 m - Honduras
Dentitheca dendritica W Palm Beach (Florida), 20-27 m - SE USA (2)
Dentitheca dendritica Off Guaira + Bocas del Toro, 7-26 m - NE&NW Panama & Venezuela (5)
Dentitheca dendritica Tairona Reserve, 3-15 m - Colombia
Dentitheca dendritica
Plumularia habereri Shikoku Island, 26 m - Japan
Plumularia habereri - lineage 1
Plumularia habereri Sulawesi - Indonesia
Plumularia habereri - lineage 2
Plumularia sp1 S Carolina + Georgia, 588-633 m - SE USA (2)
Plumularia sp1 Off Cape Lookout, 418-371 m - SE USA
Plumularia sp1
Plumularia sp2 Bahamas, 250 m - SE USA
Plumularia sp2
Kirchenpaueria bonnevieae Azores Bank, 202-239 m - Azores (3)
Kirchenpauria bonnevieae NE Mercator MV, 432 m - Gulf of Cadiz
Kirchenpaueria bonnevieae
Plumularia strictocarpa off Madagascar - Mayotte
Plumularia strictocarpa Baa Island - Maldives
Plumularia strictocarpa - lineage 1
Plumularia setacea Bocas del Toro, 14-8 m - NW Panama
Plumularia setacea Bocas del Toro, 12-7 m - NW Panama
Plumularia setacea - lineage 1
Plumularia setacea Lagoa, 1-8 m - S Portugal
Plumularia setacea Otranto + Lecce - Italy (2)
Plumularia setacea Berlenga, 3-7 m - W Portugal
Plumularia setacea Faial + S. Miguel + Mallorca + Otranto + Villefranche, 0-? m - Azores & W Mediterranean (5)
Plumularia setacea - lineage 2
Plumularia setacea Flores + Terceira + S. Miguel, 7-27 m - Azores (4)
Plumularia setacea Flores island, 10-27 m - Azores (2)
Plumularia setacea - lineage 3
Plumularia setacea Europa Island - SW Indian Ocean (3)
Plumularia setacea - lineage 4
Plumularia setacea Reunion Island
Plumularia setacea - lineage 5
Plumularia setacea Selvagem Grande, 15 m - Selvagens (3)
Plumularia setacea Selvagem Pequena, 15 m - Selvagens
Plumularia setacea Terceira island, 26-6 m - Azores
Plumularia setacea Gettysburg seamount, 37-39 m - Gorringe Bank
Plumularia setacea Selvagens - Madeira
Plumularia setacea Selvagem Pequena, 15 m - Selvagens
Plumularia setacea Desertas, 76 m - Madeira
Plumularia setacea Condor Bank, 180-194 m - Azores (2)
Plumularia setacea Condor Bank, 222 m - Azores
Plumularia setacea Algarve + Alentejo + Ericeira + Berlengas + Normandy + Britanny, 4-32 m - S,SW,W Portugal & NW France (13)
Plumularia setacea Roscoff + Cascais - N France & W Portugal (4)
Plumularia setacea Galicia + Roscoff + Berlengas - NW Spain & N France & W Portugal (3)
Plumularia setacea V. Castelo + Camaret near Brest, 29-33 - NW Portugal & N France (2)
Plumularia setacea Plymouth - UK
Plumularia setacea Portimão, 49 m - S Portugal
Plumularia setacea Berlengas, 28-32 m - W Portugal
Plumularia setacea Roscoff + Camaret near Brest - N France (2)
Plumularia setacea Lagos, 1-8 m - S Portugal
Plumularia setacea Ponta da Oliveira + S. Miguel + Faial, 5-16 m - Madeira (4)
Plumularia setacea Graciosa + Faial, 25-7 m - Azores (2)
Plumularia setacea Sagres + Vale de lobo + Berlengas, 5-25 m - S&W Portugal (3)
Plumularia setacea - lineage 6
Plumularia virginiae California, 16-6 m - W USA
Plumularia setacea Punta Canteras - Argentina
Plumularia duseni Mar del Plata - Argentina
Plumularia duseni Mar del Plata - Argentina (2)
Plumularia setacea San Juan Islands - W USA
Plumularia duseni Monterey Bay, 15-3 m - W USA
Plumularia cf. duseni Monterey Bay, ca. 20 m - W USA
Plumularia setacea Devonport + Army Bay - New Zealand (2)
Plumularia setacea Wellington - New Zealand
Plumularia setacea Army Bay - New Zealand
Plumularia setacea Long Bay + Army Bay - New Zealand (2)
Plumularia setacea Monterey, 12-6 m - W USA
Plumularia setacea Monterey, 22-3 m - W USA (2)
Plumularia setacea Punta Llonca - Chile
Plumularia setacea Punta Huinay - Chile (2)
Plumularia setacea Punta Huinay - Chile
Plumularia cf. duseni Monterey Bay, 22-3 m - W USA (2)
Plumularia lagenifera var. septifera Carmel Meadows (California), 16-6 m - W USA
Plumularia lagenifera Friday Harbour + San Juan Islands - NW USA (5)
Plumularia lagenifera Carmel Meadows (California), 16-6 m - W USA
Plumularia setacea (lineage 7) + P. virginiae + P. duseni + P. cf. duseni + P. lagenifera
Plumularia setacea False Bay - South Africa
Plumularia setacea False Bay - South Africa
Plumularia setacea False Bay - South Africa
Plumularia setacea - lineage 8
Plumularia strictocarpa São Sebastião - Brazil
Plumularia (cf.) setacea Bocas del Toro, 15-9 m - NW Panama
Plumularia (cf.) setacea Isla Uvita, 13-16 m - SE Costa Rica
Plumularia strictocarpa (lineage 2) + Plumularia (cf.) setacea (lineage 9)
Plumularia setacea Ponta da Oliveira - Madeira (2)
Plumularia setacea Ponta da Oliveira - Madeira
Plumularia setacea - lineage 10
Plumularia gaimardi Simons Town - South Africa
Plumularia gaimardi
Plumularia warreni La Reunion Island - SW Indian Ocean (2)
Plumularia warreni La Reunion Island - SW Indian Ocean
Plumularia warreni
Plumularia setacea La Martinique Island - Caribbean (2)
Plumularia setacea S. Tomé island + Príncipe island, 3-12 m - São Tomé and Príncipe (2)
Plumularia setacea Príncipe island, 6-3 m - S. Tomé and Príncipe
Plumularia setacea São Tomé island, 26-6 m - São Tomé and Príncipe
Plumularia setacea Glovers atoll, 30-16 m - Belize
Plumularia setacea Miami (Florida), 15 m - SE USA
Plumularia setacea Carrie Bow Cay, 40-20 m - Belize
Plumularia setacea - lineage 11
Plumularia setacea Coiba, 20-10 m - SW Panama
Plumularia setacea Frailes island, 14-9 m - S Panama
Plumularia setacea - lineage 12
Plumularia setacea Carrie Bow Cay, ca. 6 m - Belize
Plumularia setacea - lineage 13
Plumularia strictocarpa Moorea - French Polynesia
Plumularia strictocarpa Moorea - French Polynesia
Plumularia strictocarpa - lineage 3
Plumularia setacea Miami (E Florida), 30-24 m - SE USA
Plumularia setacea - lineage 14
Plumularia cf. hyalina Leigh - New Zealand
Plumularia cf. hyalina
Plumularia setaceoides Wellington - New Zealand
Plumularia setaceoides - lineage 1
Plumularia setaceoides Victoria - Australia
Plumularia setaceoides - lineage 2
Plumularia filicaulis False Bay - South Africa
Plumularia filicaulis Port Phillip Bay - Australia
Plumularia filicaulis
Nemertesia ramosa SE Yuma MV, 907 m - Gulf of Cadiz
Nemertesia ramosa Algarve, Berlengas, UK, Meknes MV, 10-736 m - S,W Portugal & UK & Gulf of Cadiz (9)
Nemertesia ramosa S. Vicente, 305 m - Cape Verde
Nemertesia ramosa S. Miguel + Terceira + Pico-Faial, 52-150 m - Azores (5)
Nemertesia ramosa Desertas, 30-91 m - Madeira
Nemertesia cf. ventriculiformis off Banyuls-sur-Mer, 62 m - S France
Nemertesia ramosa
Nemertesia new sp. Okinawa, 114-115 - Japan
Nemertesia sp1
Nemertesia ventriculiformis Mercator MV, 373-381 m - Gulf of Cadiz (2)
Nemertesia ventriculiformis Lagos + Carbonate Prov. + Mercator MV + Granada MV, 61-600 m - Gulf of Cadiz & Alboran Sea (10)
Nemertesia ventriculiformis Pen Duick Escarp., 416 m - Gulf of Cadiz
Nemertesia ventriculiformis
Nemertesia sp. NE Mercator MV, 426-432 m - Gulf of Cadiz (2)
Nemertesia sp. North Carolina, 423 m - SE USA
Nemertesia sp. Off South Carolina 507-633 m - SE USA (2)
Nemertesia antennina - cryptic lineage 1
Nemertesia sp. / cf. perrieri Off Terceira island + Unkn. location, 51-100 m - Azores (2)
Nemertesia sp. Pico-Faial + Azores Bank + P. Alice Bank, 205-640 m - Azores (6)
Nemertesia sp. Azores Bank, 452-492 m - Azores
Nemertesia sp. NE Mercator MV + Cadiz Channel, 376-1418 m - Gulf of Cadiz (2)
Nemertesia sp. Pen Duick Escarp. + Carbonate Provinces, 461-753 m - Gulf of Cadiz (5)
Nemertesia sp. Carbonate Province, 441 m - Gulf of Cadiz
Nemertesia sp. Pen Duick Escarp., 660 m - Gulf of Cadiz
Nemertesia sp. Granada MV + Mellila MV + Mulhacen MV + Bay of Biscay + Mercator MV, 119-600 m - Alboran Sea + Gulf of Cadiz + N Spain (7)
Nemertesia antennina - cryptic lineage 2
Nemertesia antennina + N. perrieri Algarve + Alentejo + Berlengas + Banyuls, 4-100 m - S Portugal (8)
Nemertesia antennina Sagres, 16-22 m - S Portugal
Nemertesia antennina Ria de Vigo, 10-40 m - NW Spain
Nemertesia antennina Roscoff + Plymouth + Lundy + V. Castelo, 5-40 m - NW France & UK & NW Portugal (7)
Nemertesia antennina + N. perrieri
Nemertesia sp2 E Florida, 450-425 m + S Carolina, 633-730 m - SE USA (2)
Nemertesia sp2 Deep waters - SE USA
Nemertesia sp2
Nemertesia belini Melilla Carbonate Mound, 300 m - Alboran Sea
Nemertesia belini - lineage 1
Nemertesia belini Off Garajau, 700 m - Madeira
Nemertesia belini São Jorge, 1062-1100 m - Azores
Nemertesia belini Princesa Alice Bank + Azores Bank, 175-307 m - Azores (3)
Nemertesia belini - lineage 2
Nemertesia norvegica Atlantis + Condor + Gamo + Cavala + Serreta + P. Alice + Azores banks, 210-1175 m - Azores (12)
Nemertesia norvegica
Plumularia mooreana Moorea - French Polynesia
Plumularia mooreana Moorea - French Polynesia
Plumularia mooreana Moorea - French Polynesia
Plumularia mooreana
Plumularia floridana Portobelo, 17-10 m - NE Panama
Plumularia floridana - lineage 1
Plumularia floridana Escudo Veraguas, 26-30 m - N Panama
Plumularia floridana Bocas del Toro,17 m - NW Panama
Plumularia floridana - lineage 2
Plumularia floridana Bahia Culebra, 14-7 m - NW Costa Rica
Plumularia floridana Bahia Culebra, 6-3 m - NW Costa Rica
Plumularia floridana - lineage 3
Plumularia micronema Bahia Junquillal, Bajo La Cornuda, 20-10 m - NW Costa Rica
Plumularia micronema Frailes, 30-20 m - S Panama
Plumularia floridana off Panama City, 12-4 m - S Panama
Plumularia cf. propinqua / micronema off Panama City, 17-5 m - S Panama
Plumularia micronema + P. cf. propinqua /micronema + P. floridana (lineage 4)
Monotheca pulchella False Bay - South Africa
Monotheca pulchella
Monotheca margaretta Funchal naval club, 3-13 m - Madeira
Monotheca margaretta - lineage 1
Monotheca margaretta Escudo Veraguas, 28-18 m - N Panama
Monotheca margaretta Isla Uvita, 16-24 m - E Costa Rica
Monotheca margaretta Mallorca - S Spain
Monotheca margaretta Faial island + Madeira island, 3-18 m - Azores & Madeira (2)
Monotheca margaretta - lineage 2
Monotheca obliqua Sagres, 2-18 m - S Portugal
Monotheca obliqua Ericeira, 4-8 m - W Portugal
Monotheca obliqua São Miguel Island, 18-23 m - Azores
Monotheca obliqua Sines, 10-15 m - SW Portugal (2)
Monotheca obliqua - lineage 1
Monotheca margaretta Alagoas - Brazil
Monotheca margaretta - lineage 3
Monotheca posidoniae Otranto, 2 m - Italy
Monotheca obliqua Banyuls-sur-Mer - S France
Monotheca posidoniae + Monotheca obliqua (lineage 2)
Monotheca obliqua Isla Tambor, 15-10 m - NE Panama
Monotheca obliqua - lineage 3
Sertularella gayi
Sertularella ellisii
Sertularella polyzonias
OUTGROUP
Eocene
Oligocene
Miocene
Plio
P.
-40
-30
-20
-10
0