

## REPORT ATTACHMENT 1

**Activity.** Update the inventory of the marine macroalgae species in Hispabiota Marina databases.

**Description.** 1. Review and update the inventory from 2001: “Algas marinas bentónicas (Rhodophyta, Phaeophyta y Chlorophyta) conocidas para Hispaniola” published in *Moscosa*, the scientific journal of the National Botanic Garden of Dominican Republic. 3. Review the information on marine macroalgae species from Dominican Republic or Haiti hosted in the collections of national and international museums. 4. Taxonomically update the list of species following the criteria of the World Register of Marine Species: WoRMS.

**Verification source.** 2022 draft updated list of macroalgae species (includes the results of 2001 inventory review, catalog numbers of museums in each species and scientific names updated using WoRMS).

Table 1. Draft list of Hispaniolan macroalgae species updated to 2022 [v1.0 January 31, 2022]<sup>1</sup>. D. Dominican Republic, H. Haiti.

### Kingdom Plantae

#### Phylum Rhodophyta

Class Compsopogonophyceae

Order Compsopogonales

Family Compsopogonaceae

*Compsopogon caeruleus* (Balbis ex C.Agardh) Montagne, 1846 D[Krishnamutrthy, 1961<sup>2</sup>; MICH 649190<sup>3</sup>]

Order Erythropeltales

Family Erythrotrichiaceae

*Erythrotrichia carnea* (Dillwyn) J.Agardh, 1883 D[Børgesen, 1924]/ H[Taylor, 1960]

*Sahlingia subintegra* (Rosenvinge) Kornmann, 1989 H[Taylor & Arndt, 1929<sup>4</sup>]

Class Florideophyceae

Order Acrochaetiales

Family Acrochaetiaceae

*Acrochaetium caespitiforme* Børgesen, 1920 D[MICH 640617]

*Acrochaetium flexuosum* Vickers, 1905 D[Díaz-Piferrer, 1978; HJBSD 11456; UC 1463320]

*Acrochaetium crassipes* (Børgesen) Børgesen, 1915 D[Børgesen, 1924]/ H[Taylor, 1960<sup>5</sup>]

*Acrochaetium unipes* Børgesen, 1915 D[Børgesen, 1924]/ H[Taylor, 1960]

Order Bonnemaisoniales

Family Bonnemaisoniaceae

*Asparagopsis taxiformis* (Delile) Trevisan de Saint-Léon, 1845 D[Williams *et al.*, 1983<sup>6</sup>]

Orden Ceramiales

Family Callithamniaceae

*Aglaothamnion tenuissimum* (Bonnemaison) Feldmann-Mazoyer, 1941 D[Almodóvar & Bonnelly, 1977]

*Crouania attenuata* (C.Agardh) J.Agardh, 1842 D[Williams *et al.*, 1983; HJBSD 11377]/H[Taylor & Arndt, 1929]

*Crouania elisiae* C.W.Schneider, 2004 H[Schneider, 2004; MICH 649454]

*Gymnothamnion elegans* (Schousboe ex C.Agardh) J.Agardh, 1892 D[Williams *et al.*, 1983]

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<sup>1</sup> The name of each species has been updated according to WoRMS. Each species contains the reference of the first record and the catalog numbers of all the museums in which it is found. In the footnotes, the scientific name of the original record is included if it has been updated, as well as relevant notes or clarifications.

<sup>2</sup> As *Compsopogon aeruginosus*.

<sup>3</sup> As *Compsopogonopsis leptoclados*.

<sup>4</sup> As *Erythrocladia subintegra*.

<sup>5</sup> As *Kylinia crassipes*.

<sup>6</sup> As *Falkenbergia hillebrandii*.

<sup>7</sup> As *Callithamnion byssoides*.

Family Ceramiaceae

*Antithamnion antillanum* Børgesen, 1917 D[MICH 641900]<sup>8</sup>

*Centroceras clavulatum* (C.Agardh) Montagne, 1846 D[Børgesen, 1924; DUKE 135105; FMNH C0515009F; HJBSD 11461; MICH 645696, 645734; NBC L.4045712; L.4045769, L.4045770; NY 2157706, 3561334; USNM 60327; YPM:YU.243199]/H[Taylor & Arndt, 1929; BISH1078435; FH00789485, 00789486, 00789487, 00789488<sup>9</sup>; FMNH C0515004F, C0515005F, C0515006F, C0515007F, C0515008F; MICH 645629, 645630, 645631, 645632, 645685, 645686, 645687, 645763, 645764; NBC L.4045817; NCU-A-0032683, 0032684; NRM A18389; NY 2157671, 2157673, 2157702, 3561329, 3561330, 3561331, 3561332, 3561333; USNM 3416, 3420, 3421, 72415, 72681, 162219; WNC-A-0006657]

*Ceramium brevizonatum* H.E.Petersen, 1918 D[Børgesen, 1924]

*Ceramium brevizonatum* var. *caraibicum* H.E.Petersen & Børgesen, 1924 D<sup>10</sup>[Børgesen, 1924]/ H[Taylor, 1960]<sup>11</sup>

*Ceramium cimbricum* H.E.Petersen, 1924 D[Almodóvar & Bonnelly, 1977]/ H[Taylor, 1960]<sup>12</sup>; DUKE 135258; MICH 646305, 646311, 646325]

*Ceramium cimbricum* f. *flaccidum* (H.E.Petersen) G.Furnari & Serio, 1996 H[Taylor & Arndt, 1929; USNM 3505<sup>13</sup>, 72638<sup>14</sup>; USCH-A-0002227]

*Ceramium codii* (H.Richards) Mazoyer, 1938 D[Børgesen, 1924<sup>15</sup>]/ H[Taylor, 1960]

*Ceramium comptum* Børgesen, 1924 D<sup>16</sup>[Børgesen, 1924]/ H[Taylor, 1960]

*Ceramium cruciatum* Collins & Hervey, 1917 D[Williams *et al.*, 1983]/ H[BISH1078615; FH00789417; NBC L.4040175; NCU-A-0004445; NRM A18625; NY 02115245; USNM 42490, 164969]

*Ceramium deslongchampsii* Chauvin ex Duby, 1830 H[USCH-A-0000654<sup>17</sup>]

*Ceramium nitens* (C.Agardh) J.Agardh, 1851 D[Almodóvar & Bonnelly, 1977; DUKE 135281; MICH 646675, 646679; NBC L.4040605; NY 02115788, 02115789; USNM 60326]/ H[Taylor & Arndt, 1929; BISH 1078652; DUKE 135276; FH00789836, 00789835; F C0515482F, C0515483F, C0515481F; MICH 646613, 646614, 646634, 646636, 646637, 646638, 646653, 646654; NBC L.4040641; NY 02115826, 02115802, 03561754, 03561755, 03561756; PH00215911; UC1843057, 677132; USCH-A-0000558; USNM 3527, 3529, 72654, 72945, 72946, 72947]

*Ceramium subtile* J. Agardh, 1851 D[HJBSD 11326; NBC L.4050480, L.4050481; NY 02158042; UC1463362, 1463360, 1463361; USF-A07319; USNM 60579]/ H[Taylor & Arndt, 1929; BISH 1078770; FH00789900, 00789901; F C0515495F, C0515494F; MICH 646785, 646786; NBC L.4050484; NY 02158047, 02158048, 03596629, 03596630; UC 949900, 677079, 1843235, 1843238; USNM 3705, 72835, 72891; WNC-A-0006685]

*Dohrnella antillara* (W.R.Taylor) Feldmann-Mazoyer, 1941 H<sup>18</sup>[Taylor & Arndt, 1929; NY 00937481; MICH 1306144]<sup>19</sup>

*Gayliella flaccida* (Harvey ex Kützing) T.O.Cho & L.J.McIvor, 2008 D[MICH 622976]

*Gayliella mazoyerae* T.O.Cho, Fredericq & Hommersand, 2008 D[Williams *et al.*, 1983]/ H[Taylor & Arndt, 1929; PH 00215785; USCH-A-0002215; USNM 72462]<sup>20</sup>

*Gayliella transversalis* (F.S.Collins & Hervey) T.O.Cho & Fredericq, 2008 D[Børgesen, 1924<sup>21</sup>]/ H[MICH 653612, 653613]

*Haloplegma duperreyi* Montagne, 1842 D[Williams *et al.*, 1983; MICH 657305]/ H[USNM 204553]

Family Dasyaceae

<sup>8</sup> The genus is reported by Williams *et al.* (1983).

<sup>9</sup> As *Ceramium clavulatum* in FH.

<sup>10</sup> Type locality: Beata Island, Dominican Republic.

<sup>11</sup> As *Ceramium brevizonatum* var. *caraibica*.

<sup>12</sup> As *Ceramium fastigiatum*.

<sup>13</sup> As *Ceramium fastigiatum* var. *flaccidum*

<sup>14</sup> As *Ceramium fastigiatum* f. *flaccida*.

<sup>15</sup> As *Ceramothamnion codii*.

<sup>16</sup> Type locality: Beata Island, Dominican Republic.

<sup>17</sup> As *Ceramium strictum*.

<sup>18</sup> Type locality: Baie Anglais, Aquin, Haiti.

<sup>19</sup> As *Actinothamnion antillarum* in all records.

<sup>20</sup> As *Ceramium byssoideum* in all records.

<sup>21</sup> As *Ceramium transversale*.

*Dasya baillouviana* (S.G.Gmelin) Montagne, 1841 D[Almodóvar & Bonnelly, 1977<sup>22</sup>; NY 02208246]/H[USCH-A-0000651<sup>23</sup>]  
*Dasya corymbifera* J.Agardh, 1841 H[Taylor, 1933; MICH 622707]  
*Dasya haitiana* S.Fredericq & J.N.Norris, 1986 H<sup>24</sup>[Fredericq and Norris, 1986; USNM 93577]  
*Dasya harveyi* Ashmead, 1858 D[Chiappone *et al.*, 2001]  
*Dasya ramosissima* Harvey, 1853 D[Almodóvar & Álvarez, 1978]  
*Dasya rigidula* (Kützing) Ardissonne, 1878 D[Díaz-Piferrer, 1978; MICH 650663, 650680; HJBSD 11374]  
*Dictyurus occidentalis* J.Agardh, 1847 D[Almodóvar & Bonnelly, 1977; DUKE 136306, 136309; NBC L.4042180, L.4042182; NY, 02179237, 02179238; UC1260964, 1462598; USNM 60314; 60481]  
*Halydictyon mirabile* Zanardini, 1843 D[Williams *et al.*, 1983]  
*Heterosiphonia crispella* (C.Agardh) M.J.Wynne, 1985 D[Almodóvar & Bonnelly, 1977; NY 02214229<sup>25</sup>]/H[Taylor & Arndt, 1929; FH01171737; F Co511615F; MICH 658292, 658320, 658321; NY 03532064; USNM 75233]<sup>26</sup>  
*Heterosiphonia gibbesii* (Harvey) Falkenberg, 1901 D[Almodóvar & Bonnelly, 1977; DUKE 203816, 203815; MICH 658412; NY 02214114, 02214115, 02214140; NBC L.4067223, L.4067224, L.4067226; UC1260961, 1462584, 1462585; USNM 60339, 60494, 60495]

#### Family Delesseriaceae

*Caloglossa leprieurii* (Montagne) G.Martens, 1869 D[Almodóvar & Álvarez, 1978]/H[Taylor & Arndt, 1929; BISH 1078273; FH00789100; MICH 645033; NY 02157387; PH00215574]  
*Caloglossa stipitata* Post, 1936 D[MICH 645114]  
*Hypoglossum heterocystideum* (J.Agardh) J.Agardh, 1898 H[USNM 204570<sup>27</sup>]  
*Hypoglossum tenuifolium* (Harvey) J.Agardh, 1898 D[Williams *et al.*, 1983]  
*Martensia pavonia* (J.Agardh) J.Agardh, 1863 D[Williams *et al.*, 1983; MICH 662306; USNM 204591]/H[USNM 14284]

#### Family Rhodomelaceae

*Acanthophora muscoides* (Linnaeus) Bory de Saint-Vincent, 1828 D[Almodóvar & Bonnelly, 1977; DUKE 133924; HJBSD 11434; NY 02141131, 02141141; UC1463318, 1260959; USF-A09599; USNM 60310, 60573]/H[Taylor, 1933; FH00777553, 00777554; F Co505555F, Co505554F, Co505556F; MICH 640257, 640266, 640267, 640285, 640286; NY 02141163, 03558958, 03558959, 03558960; UC1834842, 677083; USNM 71653, 71654, 71657]  
*Acanthophora spicifera* (Vahl) Børgesen, 1910 D[Almodóvar & Bonnelly, 1977; DUKE 133884; FH00777601, 00777602, 00777603; F Co505580F; HJBSD 09699; INat 36844004; MICH 640422, 640438; NBC L.4036578, L.4036580, L.4036581, L.4036583, L.4037530; NY 02141210, 02141214, 02141274, 02141296, 02141297, 02141384, 02141419, 03559009; UC1457554, 1462590, 1460905, 1460906, 1463319; USNM 48563, 55374, 60317, 60320, 60331, 60464, 94519; YPM: YU.243641]<sup>28</sup>/H[Taylor & Arndt, 1929; BISH 525898, 525899, 525900; DUKE 133949; FH00777598, 00777599, 00777600; F Co505564F, Co505565F, Co505567F, Co505566F; MICH 640393, 640395, 640416, 640417, 640418, 640420, 640421, 640426, 640428, 640429, 640430; MNHN-PC-PC0045865<sup>29</sup>; NBC L.4037671, L.4037672, L.4037673; NY 02141241, 02141245, 02141366, 02141368, 02141384, 03558980, 03558981, 03558982, 03558983; PH00214292; UC677016, 677015, 677013, 1834918, 1834920, 1834934; USCH-A-0000653; USNM 14150, 207212, 2751, 2753, 2770, 2774, 2776]  
*Alsidium seaforthii* (Turner) J.Agardh, 1841 D[Almodóvar & Bonnelly, 1977; DUKE 134797; USNM 60347]/H[Taylor, 1943; BISH 527321; FH00778703; F Co508032F, Co508031F; MICH 644051, 644052, 644075; NBC L.4033424; NY 02155376, 03560149, 03560150; UC677010, 677009, 1838039; USNM 72826; WNC-A-0006815]<sup>30</sup>

<sup>22</sup> As *Dasya pedicellata*.

<sup>23</sup> As *Dasya elegans*.

<sup>24</sup> Type locality: Caracol Bay, Haiti.

<sup>25</sup> As *Heterosiphonia wurdemannii* in NY 02214229.

<sup>26</sup> As *Heterosiphonia wurdemanni* var. *laxa* in Taylor & Arndt (1929); *Heterosiphonia wurdemannii* in F Co511615F and USNM 75233.

<sup>27</sup> As *Hypoglossum hypoglossoides*.

<sup>28</sup> *Acanthophora thierii* in NY 02141384, 02141419, 03559009; *Acanthophora thierii* in F and YPM.

<sup>29</sup> As *Chondria acanthophora*.

<sup>30</sup> As *Bryothamnion seaforthii*; *Bryothamnion seaforthii* f. *distichum* in NBC L.4033424.

*Alsidium triquetrum* (S.G.Gmelin) Trevisan, 1845 D[Almodóvar & Bonnelly, 1977; DUKE 134815, 134816, 134817; FH00778727, 00778731; HJBSD 014361; MICH 644141; NBC L.4034620, L.4034621, L.4034651; NY 02155428, 02155438, 02155516, 02155517, 02155518; UC1460315, UC1460817, UC1460916, UC1463342; USNM2888, 34352, 42752, 60335, 60337, 60350]/ H[Taylor & Arndt, 1929; BISH 527326; FH00778741, 00778742; F Co508045F, Co508046F, Co508047F; MICH 644111, 644113, 644125, 644131, 644164, 644186, 644187, 644188; NBC L.4033445; NY 02155475, 02155476, 02155477, 02155478, 02155479, 02155480, 02155481, 03560194, 03560195, 03560196; PH00215344; UC677043, 677044, 1838053; USCH-A-0002216; USNM 3232, 3234, 3240, 3241; WNC-A-0006814]<sup>31</sup>

*Amansia multifida* J.V.Lamouroux, 1809 D[Almodóvar & Bonnelly, 1977; DUKE 134166, 134167, 134168, 134170; NY 00937534, 02142273, 02142274, 02142302, 02142304, 02142305; HJBSD 11353; NBC L.4037689, L.4037694, L.4037695, L.4037699, L.4037700; PH00214625; UC 1460922, 1460923, 1462569, 1462570, 1450570; USNM 48513, 60344, 60354, 60465, 60466]/ H<sup>32</sup>[Taylor, 1943; BISH 526604, 526605; FH00777383, 00777384; F Co505635F, Co505636F, Co505637F, Co505638F; MICH 641737, 641738, 641745; NBC L.4037722, L.4037723; NY 02142259, 02142260, 03559307, 03559308, 03559309, 03559310; UC677085, 677087, 1835863, 1835865; USNM 72011, 72012; WNC-A-0006686, WNC-A-0006687]

*Bostrychia binderi* Harvey, 1849 H[Post, 1936; FH00778278; F Co507921F; NY 2143949; USNM 3137]

*Bostrychia montagnei* Harvey, 1853 D[Almodóvar & Álvarez, 1978; DUKE 134620; MICH 643316; NY 02143987; UC 1462591; USNM 60467]

*Bostrychia moritziana* (Sonder ex Kützing) J.Agardh, 1863 D[MICH 643385] H[Taylor & Arndt, 1929<sup>33</sup>; MICH 643355]

*Bostrychia radicans* (Montagne) Montagne, 1842 H[Taylor, 1960; FH00778342<sup>34</sup>]

*Bostrychia tenella* (J.V.Lamouroux) J.Agardh, 1863 D[Almodóvar & Bonnelly, 1977; DUKE 134671; HJBSD 11437; NBC L.4029970, L.4029972; NY 02144224, 02155218; UC1260967, 1463332; USNM 60312]/ H[Taylor, 1933<sup>35</sup>; BISH 527219; FH00778430; MICH 643529, 643533, 643538; NY 02155228; USNM 3171]

*Bryocladia thyrsigera* (J.Agardh) F.Schmitz, 1901 D[Díaz-Piferrer, 1978; HJBSD 11436; NBC L.4033508; UC1463327]

*Chondria atropurpurea* Harvey, 1853 H[Taylor, 1933; BISH 528571; FH00788604, 00788605; MASS 00382845; NCU-A-0006223; NRM A20245; NY 02176966; USNM 73072, 165017]

*Chondria capillaris* (Hudson) M.J.Wynne, 1991 H[Taylor, 1933; F Co508289F; MICH 648218; NY 03597031; USNM 3908]<sup>36</sup>

*Chondria curvilineata* F.S.Collins & Hervey, 1917 D[Børgesen, 1924]/H[Taylor, 1960]

*Chondria dasyphylla* (Woodward) C.Agardh, 1817 D[Børgesen, 1924]/H[Taylor, 1960; MNHN-PC-PC0059460<sup>37</sup>]

*Chondria leptacremom* (Melvill ex G.Murray) De Toni, 1903 D[Almodóvar & Bonnelly, 1977; DUKE 135549; NY 02177172]

*Chondria littoralis* Harvey, 1853 D[Børgesen, 1924; DUKE 135616; NBC L.4042536, L.4042537; NY 02177244, 02177218, 02177217; UC1462573, 1462574; USNM 60469, 60470]/ H[Taylor, 1933; FH00788784; MICH 648465; NRM A20355; NY 02177247; USNM 73467]

*Chondria sedifolia* Harvey, 1853 H[MICH 648536]

*Digenia simplex* (Wulfen) C.Agardh, 1822 D[Børgesen, 1924<sup>38</sup>; DUKE 136367, 136370, 136371, 136369, 136368; HJBSD 11274; MICH 651455; NBC L.4042048, L.4042053, L.4042054, L.4042055, L.4042056; NY 02179372, 02179373, 02179380, 02179381, 02179382, 02179383; USNM 60334, 60482, 60483, 74334]/H[Taylor & Arndt, 1929; FH00624651, 00624653; MICH 621518, 651427,

<sup>31</sup> *Bryothamnion triangulare* in FH 00778727, 00778731 and NY 02155428, 02155438; *Bryothamnion triquetrum* in the other records.

<sup>32</sup> Type locality: Santo Domingo, Dominican Republic.

<sup>33</sup> As *Amphibia moritziana*.

<sup>34</sup> As *Bostrychia rivularis*.

<sup>35</sup> As *Amphibia tenella*.

<sup>36</sup> *Chondria tenuissima* in F, NY and USNM.

<sup>37</sup> As *Laurencia dasyphylla*.

<sup>38</sup> *Digenia simplex*.

651434, 651437, 651440, 651441, 651507; NRM A21691; NY 02179369, 02179370, 02179371, 03598617, 03598618; USNM 14204, 74338, 74342, 74343, 74344, 74345]

*Dipterosiphonia rigens* (C.Agardh) Falkenberg, 1901 H[Taylor, 1960]

*Herposiphonia pecten-veneris* (Harvey) Falkenberg, 1901 D[Díaz-Piferrer, 1978; HJBSD 11366]

*Herposiphonia secunda* (C.Agardh) Ambrohn, 1880 H[Taylor & Arndt, 1929]

*Herposiphonia tenella* (C.Agardh) Ambrohn, 1880 D[Díaz-Piferrer, 1978; HJBSD 11367; NBC L.4067460]

*Laurencia arbuscula* Sonder, 1845 D[NY 02418085<sup>39</sup>]

*Laurencia dendroidea* J.Agardh, 1852 D[HJBSD 11261; NBC L.4058861; UC1463453]<sup>40</sup>

*Laurencia intricata* J.V.Lamouroux, 1813 D[Luczkovich, 1991; HJBSD 11257; UC1463443; USNM 34350]/ H[Taylor & Arndt, 1929; MICH 660963, 660964; USNM 76293]

*Laurencia microcladia* Kützing, 1865 D[USF-A09479; UC1463445; USNM 00564505]/H[Taylor, 1933; DUKE 206626; MICH 622005, 622006; USCH-A-0002223; USNM 76363]

*Laurencia obtusa* (Hudson) J.V.Lamouroux, 1813 D[Børgesen, 1924; DUKE, 206323, 206324, 206325, 206326; HJBSD 11254; MNHN-PC-PC0495386; NBC L.4059143, L.4059149, L.4059150, L.4059151, L.4059152; NY 02216459; 02216660, 02216661, 02216662, 02216663, 02216706; UC1460932, 1460933, 1460934, 1460935, 1463446, 1463447; USNM 00683445, 00683446, 00683447, 00683449, 00683450, 00885512]/ H[Taylor & Arndt, 1929; F C0511939F; FH 01159995, 01159996; MICH 661238, 661255, 661265; NY 02216449, 02216559, 03374214; UC677027; USNM 00683491, 00880525, 00885505, 00885506]

*Lophocladia trichocladus* (C.Agardh) F.Schmitz, 1893 D[Børgesen, 1924; DUKE 206230; UC1462608; NBC L.4080627; NY 02183118; USNM 60505]/ H[Montagne, 1842; NY 02136559]<sup>41</sup>

*Lophosiphonia bermudensis* Collins & Hervey, 1917 D[Børgesen, 1924]

*Lophosiphonia obscura* (C.Agardh) Falkenberg, 1897 H[Taylor, 1933; F C0512297F; MICH 662160, 662161, 662174, 662176, 662178; NY 02183140, 02183141, 03355867; UC677067; USNM 66288, 77286, 77293]

*Melanothamnus ferulaceus* (Suhr ex J.Agardh) Díaz-Tapia & Maggs, 2017 D[Almodóvar & Bonnelly, 1977; DUKE 205177; HJBSD 11309; MICH 663964; NY 02186768, 02186803; PH 00220919; USNM 48501, 60321]/ H[Taylor, 1933; BISH 538496; F C0510520F, C0510519F; FH 00904710, 00904713; MICH 663943, 664013, 664017; NY 02186780, 03332931, 03332932; USNM 78184, 78185; WNC-A-0006674]<sup>42</sup>

*Melanothamnus sphaerocarpus* (Børgesen) Díaz-Tapia & Maggs, 2017 D[Børgesen, 1924]/ H[Taylor, 1960]<sup>43</sup>

*Murrayella pericladus* (C.Agardh) F.Schmitz, 1893 D[Álvarez & Bonnelly, 1978]

*Palisada corallopsis* (Montagne) Senties, Fujii & Díaz-Larrea, 2008 D[Almodóvar & Álvarez, 1978; NY 02216057; USNM 60498]/ H[NY 02216058; USNM 76220]<sup>44</sup>

*Palisada perforata* (Bory) K.W.Nam, 2007 D[Almodóvar & Bonnelly, 1977; DUKE 206402; 206421, 206420, 206422; HJBSD 11253; MICH 665356; NBC L.4043216, L.4043218, L.4043219, L.4043223; NY 02216880, 02216956, 02216957, 02216958, 02216967, 02217051, 02217054, 02217055, 03531674; PH 00218801; USNM 34351, 48505, 60315, 60329, 60346, 60595, 76511; WNC-A-0005216; YPM:YU.085325]<sup>45</sup>/ H[Taylor & Arndt, 1929; BISH 535907, 535909; DUKE 206407; FH 01165206; MICH 665316, 665322, 665323, 665324, 665358, 665359; MNHN-PC-PC0495323; NBC L.4043247; NY 02216832, 03531673; UC 677021, 1260958, 1450572, 1460930, 1460931, 1463450, 1855132, 1855133; USNM 76448, 76508, 76514]<sup>46</sup>

*Polysiphonia havanensis* Montagne, 1837 D[Børgesen, 1924]/ H[Taylor & Arndt, 1929; DUKE 205227; MICH 668241, 668244; USNM 78309]

<sup>39</sup> As *Laurencia obtusa* var. *regia*

<sup>40</sup> As *Laurencia scoparia* in NBC and UC.

<sup>41</sup> As *Dasya lophocladus* in all records, except DUKE.

<sup>42</sup> As *Polysiphonia ferulacea*, except MICH. *Neosiphonia ferulacea* in DUKE and BISH.

<sup>43</sup> As *Polysiphonia sphaerocarpa*.

<sup>44</sup> As *Laurencia corallopsis*.

<sup>45</sup> As *Laurencia papillosa* in all records, except MICH, NBC and WNC.

<sup>46</sup> As *Laurencia papillosa* in all records, except DUKE, MICH, NBC and UC. *Palisada papillosa* in UC 677021, 1855132 and 1855133.

*Polysiphonia macrocarpa* (C.Agardh) Sprengel, 1827 H<sup>47</sup>[C.A.Agardh, 1824]  
*Polysiphonia subtilissima* Montagne, 1840 D[DUKE 205377; NBC L.4083695; NY 02222856; PH 00221518; USNM 48502]  
*Wilsonosiphonia howei* (Hollenberg) D.Bustamante, Won & T.O.Cho, 2017 H[FH00904559, 00904560, 00904561]<sup>48</sup>  
*Wrightiella blodgettii* (Harvey) F.Schmitz, 1893 D[Rosenberg *et al.*, 1995]  
*Wrightiella tumanowiczi* (Gatty ex Harvey) F.Schmitz, 1893 D[Williams *et al.*, 1983]  
*Yuzurua poiteaui* (J.V.Lamouroux) Martin-Lescanne, 2010 D[Almodóvar & Bonnelly, 1977; DUKE 206473, 206474; MEL 0612115A; NBC L.4043126, L.4043127, L.4043129; NY 02182320, 02182321, 02182362, 02182363; UC1460920, 1460921, 1462588, 1462589<sup>49</sup>; USNM 60336, 60341, 60500, 60501]/ H<sup>50</sup>[Lamouroux, 1805; NY 00922402, 00922403]  
*Yuzurua poiteaui* var. *gemmifera* (Harvey) M.J.Wynne, 2011 D[Børgesen, 1924]/ H[Taylor, 1960; USNM 14260, 14261]<sup>51</sup>

#### Family Sarcomeniaceae

*Platysiphonia delicata* (Clemente) Cremades, 1990 D[Williams *et al.*, 1983]<sup>52</sup>

#### Family Spyridiaceae

*Spyridia clavata* Kützing, 1841 D[Almodóvar & Bonnelly, 1977; HJBSD 11365; NBC L.4079284; UC1463497]/ H[Taylor, 1933; FH00910571; F Co513196F; MICH 672666; NRM A35371; NY 2267038, 3279183; UC 1883136; USNM 79560]  
*Spyridia filamentosa* (Wulfen) Harvey, 1833 D[Børgesen, 1924; DUKE 204643, 402661, 402662; NBC L.4078942, L.4079179; NY 2267162, 2267330, 2267322; PH 00222313; USNM 55355, 60324]/ H[Taylor & Arndt, 1929; BISH 540182; FH 00910216, 00910217, 00910218, 00910219; F Co513207F, Co513206F, Co513208F, Co513205F, Co513209F; MICH 672761, 672762, 672763, 672770, 672771, 672772, 672789, 672792, 672821, 672823; NBC L.4078957; NRM A35427; NY 2267176, 2267177, 2267178, 2267175, 3279171, 3279172, 3279173, 3279174, 3279175; USCH-A-0000652, 0002217, 0002218; USNM 14298, 79620, 79621, 79622, 79623]  
*Spyridia hypnoides* (Bory de Saint-Vincent) Papenfuss, 1968 D[Børgesen, 1924; NY 02267021; UC1463495]/ H[Taylor, 1960; NY 2267004]<sup>53</sup>  
*Spyridia hypnoides* subsp. *complanata* (J.Agardh) M.J.Wynne, 1998 D[MICH 673063]

#### Family Wrangeliaceae

*Anotrichium tenue* (C.Agardh) Nägeli, 1862 H[Taylor & Arndt, 1929]<sup>54</sup>  
*Griffithsia globulifera* Harvey ex Kützing, 1862 D[Williams *et al.*, 1983]  
*Spermothamnion investiens* (P.L.Crouan & H.M.Crouan) Vickers, 1905 D[Williams *et al.*, 1983]  
*Tiffaniella gorgonea* (Montagne) Doty & Meñez, 1960 D[Williams *et al.*, 1983; HJBSD 11378; NBC L.4085613; UC 1463491; USNM 94773]/ H[Taylor, 1943; MICH 672487; 673364; NBC L.4085616; NY 02266615; UC677143, 1882410; USNM 79718]<sup>55</sup>  
*Tiffaniella saccorhiza* (Setchell & N.L.Gardner) Doty & Meñez, 1960 D[Almodóvar & Bonnelly, 1977; DUKE 204283, 204284; NBC L.4087041; NY 02267788, 02267789; UC1462614, 1260956; USNM 60345; 60510]  
*Wrangelia argus* (Montagne) Montagne, 1856 D[Almodóvar & Bonnelly, 1977; HJBSD 11410; MICH 674506, 674514, 674515; NBC L.4087926; NY 02268109; UC1463504]

<sup>47</sup> As *Hutchinsia macrocarpa*. The type locality of this species is described as “In mari Antillarum ad ‘Port au Pray’” (C. Agardh 1824). It seems likely that this name might refer to Port-au-Prince or Port-de-Paix, Haiti in the Greater Antilles (Kaprana and Norris, 1982). See also Mamoozadeha and Freshwater (2012).

<sup>48</sup> As *Polysiphonia howei*.

<sup>49</sup> As *Palisada poiteaui*.

<sup>50</sup> Type locality: “Sancti Dominici” as *Fucus poitei*. Also, in Taylor (1960) as *Laurencia poitei*.

<sup>51</sup> As *Laurencia gemmifera*.

<sup>52</sup> As *Platysiphonia miniata*.

<sup>53</sup> As *Spyridia aculeata*.

<sup>54</sup> As *Griffithsia tenuis*.

<sup>55</sup> As *Spermothamnion gorgoneum* in HJBSD and USNM.

*Wrangelia bicuspidata* Børgesen, 1916 D[Almodóvar & Bonnelly, 1977; DUKE 204391; NBC L.4087975; NY 02268198; UC1462615; USNM 60511]/ H[Taylor & Arndt, 1929; DUKE 204394; MICH 674368; USNM 79841]

*Wrangelia gordoniae* K.E.Bucher, D.L.Ballantine, C.Lozada-Troche & J.N.Norris, 2014 D[Bucher *et al.*, 2014; USNM 222981]/ H[Bucher *et al.*, 2014; MH 1155, 1264]

*Wrangelia penicillata* (C.Agardh) C.Agardh, 1828 D[Almodóvar & Bonnelly, 1977; DUKE 204418; MICH 674590; NBC L.4087915; NY 02268244, 02268243; USNM 60343]/ H[USNM 14312]

#### Order Colaconematales

##### Family Colaconemataceae

*Colaconema daviesii* (Dillwyn) Stegenga, 1985 D[Børgesen, 1924]/ H[Taylor, 1960]<sup>56</sup>

*Colaconema hallandicum* (Kylin) Afonso-Carillo, Sanson, Sangil & Diaz-Villa, 2007 D[Díaz-Piferrer, 1978]<sup>57</sup>

#### Order Corallinales

##### Family Corallinaceae

*Corallina officinalis* Linnaeus, 1758 H[MICH 737386]

*Harveylithon munitum* (Foslie & M.Howe) A.Rösler, Perfectti, V.Peña & J.C.Braga, 2016 H[Begin & Ste-neck, 2003]<sup>58</sup>

*Jania adhaerens* J.V.Lamouroux, 1816 D[Børgesen, 1924; DUKE 200643; HJBSD 11460; MICH 737502; NY 02215609; UC1463440; USNM 60355]/ H[Taylor & Arndt, 1929<sup>59</sup>; BISH 535332; FH01159532, 01159533; F Co516388F, Co516389F; Co516387F; MICH 675986, 675987, 675988, 675993, 675994, 675995, 675999, 737397, 737398; NBC L.4057019; NY 02215606, 02215607, 02285104, 03531381, 03531382, 03531383; UC677613, 677187, 1854091; USNM 75655, 75659, 75660, 204234]

*Jania capillacea* Harvey, 1853 D[HJBSD 11462]/ H[Taylor & Arndt, 1929; MICH 676089, 676090; USNM 33011, 75672, 204574]

*Jania cubensis* Montagne ex Kützing, 1849 D[Almodóvar & Bonnelly, 1977; DUKE 178432, 178436; NBC L.4066425; NY 02173928, 02173927; USNM 60348]/ H[Taylor & Arndt, 1929; DUKE 178425, 178426, 178429; MICH 676125, 676126; USNM 72973, 72974, 72975]<sup>60</sup>

*Jania pumila* J.V.Lamouroux, 1816 H[Taylor, 1933; BISH 735098, 735109; MICH 676199; USNM 14251; 75702]

*Jania rubens* (Linnaeus) J.V.Lamouroux, 1816 D[Chiappone *et al.*, 2001; HJBSD 11444]/ H[Taylor & Arndt, 1929; BISH 535466; FH01159630; F Co516404F; MICH 676338, 676339, 676368, 676369; NBC L.4057749; NY 02215706, 03531396; UC677030, 1854252; USNM 75824; WNC-A-0006658]

*Jania subulata* (Ellis & Solander) Sonder, 1848 H[Taylor, 1933; BISH 529120; MICH 676416, 676417, 676421, 676422; NBC L.4048120; NY 02174350, 03597801; USNM 73104]<sup>61</sup>

##### Family Lithophyllaceae

*Amphiroa brasiliiana* Decaisne, 1842 D[Luczkovich, 1991]/H[USNM 14153]

*Amphiroa fragilissima* (Linnaeus) J.V.Lamouroux, 1816 D[Børgesen, 1924; HJBSD 11458; FH 00777432; NY 02142466; USNM 2929]<sup>62</sup>/ H[Taylor & Arndt, 1929; BISH 532625; DUKE 134230; F Co516827F; FH00777463; MICH 675123, 675132, 675133, 675134; NBC L.4028222; NY 02142475, 02142477; PH00214579; UC1836013, 677060; USNM 2949, 2954, 33014, 71999, 72002, 72003, 204226]

*Amphiroa hancockii* W.R.Taylor, 1942 D[Almodóvar & Álvarez, 1978]/H[Taylor, 1943; MICH 737470, 737488; USNM 2936]

*Amphiroa rigida* J. V. Lamouroux, 1816 D[Luczkovich, 1991; HJBSD 11401]/ H[Taylor & Arndt, 1929; DUKE 134275; USNM 4065, 204487]<sup>63</sup>

<sup>56</sup> As *Acrochaetium daviesii*.

<sup>57</sup> As *Acrochaetium sargassi*.

<sup>58</sup> As *Neogoniolithon munitum*.

<sup>59</sup> As *Jania adherens*.

<sup>60</sup> *Corallina cubensis* in all records except DUKE and MICH. *Haliptilon cubense* in NBC.

<sup>61</sup> As *Corallina subulata*.

<sup>62</sup> As *Amphiroa debilis* in FH 00777432 and USNM.

<sup>63</sup> As *Amphiroa rigida* var. *antillana* in Taylor and Arndt (1929) and HJBSD.

*Amphiroa tribulus* (J.Ellis & Solander) J.V.Lamouroux, 1816 D[Almodóvar & Bonnelly, 1977; USNM 210573]/ H[Taylor & Arndt, 1929; F Co516837F, Co516838F; FH00777527; MICH 737475, 737499; NBC L.4028122; NY 02142580, 02142585, 02285234, 03559474, 03559475; UC677616, 2051444; USNM 2968, 2970, 14155, 32977, 204227]  
*Goniolithon decutescens* (Heydrich) Foslie ex M.A.Howe, 1918 H[Taylor, 1943; MICH 737703; USNM 32987]  
*Lithophyllum kaiseri* (Heydrich) Heydrich, 1897 D[Rosenberg *et al.*, 1995<sup>64</sup>]  
*Lithophyllum prototypum* (Foslie) Foslie, 1905 D[MNHN-PC-PCo606915C, MNHN-PC-PCo607568<sup>65</sup>]/ H[Begin & Steneck, 2003<sup>66</sup>]  
*Titanoderma pustulatum* (J.V.Lamouroux) Nägeli, 1858 H[Taylor & Arndt, 1929<sup>67</sup>; MICH 676483]

#### Family Lithothamniaceae

*Lithothamnion corallioides* (P.Crouan & H.Crouan) P.Crouan & H.Crouan, 1867 D[Foslie, 1906]<sup>68</sup>  
*Lithothamnion floridanum* Foslie, 1906 H[Taylor, 1943]  
*Lithothamnion occidentale* (M. Foslie) M. Foslie, 1908 H[Taylor, 1960]  
*Lithothamnion occidentale* var. *effusum* (Foslie) Foslie, 1908 D[Woelkerling *et al.*, 2005; NTNU TRH:A:2139]  
*Lithothamnion ruptile* (Foslie) Foslie, 1907 D<sup>69</sup>[Foslie, 1907; NTNU TRH:A:2515]

#### Family Mastoporaceae

*Lithoporella atlantica* (Foslie) Foslie, 1909 H[Taylor, 1960<sup>70</sup>]  
*Lithoporella bermudensis* (Foslie) W.H.Adey, 1970 H[Taylor, 1933<sup>71</sup>; MICH 676489; NY 02180501<sup>72</sup>]  
*Pneophyllum fragile* Kützing, 1843 H[Taylor, 1960; MICH 676639; USNM 73192<sup>73</sup>]

#### Family Porolithaceae

*Porolithon antillarum* (Foslie & M.Howe) Foslie & M.Howe, 1909 D[Chiappone *et al.*, 2001<sup>74</sup>]/H[Littler *et al.*, 1999<sup>75</sup>]

#### Family Spongitaceae

*Neogoniolithon accretum* (Foslie & M.Howe) Setchell & L.R.Mason, 1943 H[Begin & Steneck, 2003<sup>76</sup>]  
*Neogoniolithon brassica-florida* (Harvey) Setchell & L.R.Mason, 1943 H[Segonzac, 1969<sup>77</sup>]  
*Neogoniolithon caribaeum* (M. Foslie) W. H. Adey, 1970 H[Taylor, 1933; NY 02182493; MICH 676466]<sup>78</sup>  
*Neogoniolithon dispalatum* (Foslie & M.Howe) W.H.Adey, 1970 H[Begin & Steneck, 2003]  
*Neogoniolithon fosliei* (Heydrich) Setchell & L.R.Mason, 1943 H[Taylor, 1933<sup>79</sup>; MICH 675771; 737712]  
*Neogoniolithon mamillare* (Harvey) Setchell & L.R.Mason, 1943 H[Begin & Steneck, 2003]  
*Neogoniolithon propinquum* (Foslie) Me.Lemoine, 1966 D[MNHN-PC-PCo606915B<sup>80</sup>]  
*Neogoniolithon spectabile* (Foslie) Setchell & L.R.Mason, 1943 D[Rosenberg *et al.*, 1995]  
*Neogoniolithon strictum* (Foslie) Setchell & L.R.Mason, 1943 D[Luczkovich, 1991; USNM 210576]/ H[Taylor, 1960<sup>81</sup>]

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<sup>64</sup> As *Lithophyllum congestum*.

<sup>65</sup> As *Dermatolithon prototypum*.

<sup>66</sup> As *Titanoderma prototypum*.

<sup>67</sup> As *Dermatolithon pustulatum*.

<sup>68</sup> As *Lithothamnion solutum* f. *effusa*

<sup>69</sup> Type locality: Puerto Plata, Dominican Republic.

<sup>70</sup> As *Fosliella atlantica*.

<sup>71</sup> As *Melobesia bermudensis*.

<sup>72</sup> As *Fosliella bermudensis*.

<sup>73</sup> As *Fosliella lejolisii* in Taylor (1960) and USNM. *Pneophyllum lejolisii* in MICH.

<sup>74</sup> As *Hydrolithon pachydermum*.

<sup>75</sup> As *Porolithon pachydermum*.

<sup>76</sup> As *Paragoniolithon accretum*.

<sup>77</sup> As *Goniolithon frutescens*.

<sup>78</sup> As *Lithophyllum caribaeum*.

<sup>79</sup> As *Goniolithon solubile*.

<sup>80</sup> As *Lithophyllum propinquum*.

<sup>81</sup> As *Goniolithon strictum*.



Order Gelidiales

Family Gelidiaceae

*Gelidium americanum* (W.R.Taylor) Santelices, 1976 H[Taylor, 1960<sup>82</sup>]

*Gelidium crinale* (Hare ex Turner) Gaillon, 1828 D[F C0502885F; HJBSD 11302; MICH 654293; NY 2209267, 2209265, 2209266, 2209269, 3588812; PH 00217358; USCH-A-0002229]/ H[Taylor & Arndt, 1929; USNM 75762]

*Gelidium pusillum* (Stackhouse) Le Jolis, 1863 D[Almodóvar & Bonnelly, 1977; DUKE 137017; HJBSD 11296; NBC L.4049220; NY 2209495; PH 00217384; UC1450558; USNM 48504]

*Gelidium rigidum* var. *radicans* (Bory) J.Agardh, 1851 D[F C0502910F; YPM: YU.245987]

Family Gelidiellaceae

*Gelidiella acerosa* (Forsskål) Feldmann & Hamel, 1934 D[Chiappone *et al.*, 2001; FH 00909775; HJBSD 11399; MICH 653744; NBC L.4043864; NY 02209613, 03588821; USNM 75291]<sup>83</sup>/ H[Taylor & Arndt, 1929; BISH 530837, 530838, 530839; DUKE 136882; FH00909820, 00909821, 00909832, 00909833; MICH 653720, 653721, 653722, 653748, 653749, 653766, 653767, 653768, 653802, 653808, 653809, 653813; NBC L.4043824, L.4043825, L.4043863; NY 02208530, 02208531, 03599072, 02209570, 02209571, 02209583; PH00217397; USCH-A-0002219; USNM 14214, 75259, 75260, 75264, 75288, 75289, 75290]<sup>84</sup>

Family Pterocladaceae

*Pterocladia bartlettii* (W.R.Taylor) Santelices, 1998 D[HJBSD 11372]/ H<sup>85</sup>[Taylor, 1943; BISH 1000187; FH00912501, 00912502; F C0503201F; MICH 1306688, 1306801, 669647, 669648, 669649, 669662; NBC L.4074765; NY 900692, 03273043; UC 1880513; USNM 56890; WNC-A-0006675]<sup>86</sup>

*Pterocladia caerulescens* (Kützinger) Santelices & Hommersand, 1997 H[FH00909885; F C0502944F; MICH 669684, 669686; NY 2208892, 3588811; UC677076; USNM 75312]<sup>87</sup>

*Pterocladia capillacea* (S.G.Gmelin) Santelices & Hommersand, 1997 D[NY 02224591<sup>88</sup>]/ H[Taylor, 1943<sup>89</sup>; MICH 669739]

Order Gigartinales

Family Cystocloniaceae

*Hypnea caribica* Nauer, Cassano & M.C.Oliveira, 2019 D[Nauer *et al.*, 2019; SPF 58310, 58313]

*Hypnea cervicornis* J.Agardh, 1851 D[Børgesen, 1924; NY 02214571]/ H[Taylor, 1933; MICH 659286, 659287, 659288; PH00218294; USCH-A-0002228; USNM 51397]

*Hypnea cornuta* (Kützinger) J.Agardh, 1851 D[Børgesen, 1924; DUKE 203898; NBC L.4069447; NY 02214601; UC1260948; USNM 60328]/ H[Taylor, 1933; F C0505079F; MICH 659403; USCH-A-0002231; USNM 75392]

*Hypnea musciformis* (Wulfen) J.V.Lamouroux, 1813 D[Børgesen, 1924; HJBSD 11359; DUKE 204084, 204086, 204087, 204088, 204089, 204090, 204091; FH01159179; F C0505202F; MICH 659632, 659661, 659662; NBC L.4068886, L.4068887, L.4068888, L.4068889, L.4069050, L.4069095, L.4069097, L.4069099; NY 02214774, 02215055, 02215056, 02215067, 02215068, 02215069, 02215070; SPF:57585; UC1460928, 1463439, 1462587, 1462586, 1497646, 1460926, 1460927, 1460929; USNM 60311, 60318, 60330, 60351, 60496, 60497, 75515; SPF 57585; YPM: YU.246630]/ H[Taylor & Arndt, 1929; BISH 534860, 534861, 534862, 534863; F C0505231F, C0505243F, C0505225F, C0505219F, C0505184F, C0505213F, C0505249F, C0505183F, C0505237F; FH01159160, 01159161, 01159162, 01159163, 01159164, 01159165, 01159167; NBC L.4068795, L.4068796, L.4068797, L.4068798, L.4068799; NY 02214734, 02214735, 02214736, 02214880,

<sup>82</sup> As *Pterocladia americana*.

<sup>83</sup> As *Gelidiopsis rigida* in FH. *Gelidium rigidum* in NY.

<sup>84</sup> As *Gelidiopsis rigida* in FH00909776. *Gelidium rigidum* in NY 2209570, 2209571, 2209583; PH, USCH and YPM.

<sup>85</sup> Type locality: Saint Louis du Sud, Haiti as *Pterocladia bartlettii*. Holotype in MICH 1306688.

<sup>86</sup> *Pterocladia bartlettii* in BISH, FH, F, NY, USNM and WNC.

<sup>87</sup> *Gelidium coerulescens* in FH, F and NY; *Pterocladia caerulescens* in USNM.

<sup>88</sup> As *Pterocladia capillacea*.

<sup>89</sup> As *Pterocladia capillacea*.

02214882, 02214883, 02214925, 02214926, 02214927, 02214950, 02214954; MICH 659511, 659512, 659605, 659606, 659607, 659608, 659609, 659610, 659611, 659612, 659614, 659615, 659616, 659617, 659618, 659673, 659675, 659677, 659678, 659679, 659680, 659681, 659682, 659683; NRM A25803; PH00218390, 00218394; UC677000, 677001, 677004, 677090, 677089, 1853556, 1853806, 1853808, 1853809, 1853810, 1853811; WNC-A-0006668, WNC-A-0006667, WNC-A-0006669; USNM 32995, 33890, 75427, 75428, 75504, 75505, 75506, 75507, 75508, 75509, 75510, 75511, 75512, 75513, 75514]

*Hypnea schneideri* Nauer, Cassano & M.C.Oliveira, 2019 D[Nauer *et al.*, 2019; SPF58312, 470501]<sup>90</sup>

*Hypnea spinella* (C.Agardh) Kützing, 1847 D[Børgesen, 1924; MICH 659949, 659951; NY 02215219; DUKE 203906]/ H[Taylor, 1943; DUKE 203904; F C0505227F; FH01159243; MICH 659963, 659965, 659974; USNM 75535, 75537, 75539, 75541]

*Hypnea valentiae* (Turner) Montagne, 1841 D[MICH 660027]

#### Family Gigartinaeae

*Chondracanthus acicularis* (Roth) Fredericq, 1993 D[HJBSD 11348]/ H[Taylor, 1943; FH 00907315; F C0501607F; NY 03589983; USNM 75941]<sup>91</sup>

*Chondracanthus saundersii* C.W.Schneider & C.E.Lane, 2005 H[Schneider & Lane, 2005; MICH 647602, 622655]

#### Family Kallymeniaceae

*Kallymenia limminghei* Montagne, 1861 D[Chiappone *et al.*, 2001]

#### Family Phylloporaceae

*Gymnogongrus griffithsiae* (Turner) C.Martius, 1833 D[Almodóvar & Bonnelly, 1977]

*Gymnogongrus tenuis* J.Agardh, 1849 D[Almodóvar & Bonnelly, 1977; DUKE 178597; NY 02181817; PH00218090; UC1450560; USNM 48503, 48503; WNC-A-0003469]/H[USNM 74947]

#### Family Rhizophyllidaceae

*Ochtodes secundiramea* (Montagne) M.A.Howe, 1920 D[Almodóvar & Bonnelly, 1977; HJBSD 11443; NBC L.4059394; NY 02221324, 02221313; UC1463470; USF-A10751; USNM 60602]/ H[Taylor & Arndt, 1929; DUKE 205866, 205867; FH00903038, 00903039; F C0577458F, C0577457F; MICH 664583, 664603, 664604, 664606, 664629, 664630; NBC L.4059415; NRM A28196; NY 02221295, 02221292, 03355141, 03355142, 03355143; UC 2052005, 949910, 677012; 1884409; USCH-A-0002241, 0002224; USNM 13545, 51379, 51410, 51411; 78073]

#### Family Solieriaceae

*Agardhiella ramosissima* (Harv.) Kylin, 1932 D[Almodóvar & Bonnelly, 1977; DUKE 205792, 205796; PH 00214411; UC1450559, 1260950, 1462610; USNM 48500; 60325, 60506]<sup>92</sup>

*Agardhiella subulata* (C.Agardh) Kraft & M.J.Wynne, 1979 D[Almodóvar & Bonnelly, 1977; HJBSD 11371; UC 1463321, 1260965; USNM 60349; NY 02141787]/ H[Taylor, 1933; BISH 526490; F C0506692F; NY 03559158; UC 677042]<sup>93</sup>

*Eucheumatopsis isiformis* (C.Agardh) Núñez-Resendiz, Dreckmann & Senties, 2019 H[Taylor, 1933; MICH 652288; USNM 74594]<sup>94</sup>

*Meristotheca gelidium* (J.Agardh) E.J.Faye & M.Masuda, 2004 D[Almodóvar & Bonnelly, 1977; DUKE 136527; FH 00911364; NBC L.4064468; NY 02180007; UC1260966; USNM 60352]<sup>95</sup>

*Solieria filiformis* (Kützing) P.W.Gabrielson, 1985 D[NBC L.4085681, L.4085682, L.4085708; NY 02266549]/ H[Agardh, 1851; FH00910750, 00910753; MICH 672355, 672397, 672401; NBC L.4085687; NY 02266563, 02266564; UC1883062; USNM 79697, 79698, 79699, 79709]<sup>96</sup>

<sup>90</sup> Type locality Dominican Republic, Bayahibe, Isla Saona.

<sup>91</sup> As *Gigartina acicularis* in FH, F, NY and USNM.

<sup>92</sup> *Neoagardhiella ramosissima* in USNM.

<sup>93</sup> *Agardhiella tenera* in all records except Almodóvar and Bonnelly (1977), HJBSD and NY 02141787.

<sup>94</sup> As *Eucheuma isiforme*.

<sup>95</sup> As *Meristiella gelidium* in FH. *Meristiella echinocarpum* in NBC. *Eucheuma echinocarpum* in NY.

<sup>96</sup> As *Rhabdonia tenera* in Agardh (1851); *Solieria tenera* in all records except MICH and UC. Gabrielson and Hommersand (1982) used Haitian material in the study of the genus.

*Wurdemannia miniata* (Sprengel) Feldmann & Hamel, 1934 D[Børgesen, 1924]/ H[Taylor, 1933; FH01033309, 01033310; MICH 674705, 674706; NBC L.4087815; NRM A35970; NY 02268470, 02268489, 02268490; USNM 14316, 79942, 79952, 79960; WNC-A-0006807]<sup>97</sup>

#### Order Gracilariales

##### Family Gracilariaceae

*Crassiphycus caudatus* (J.Agardh) Gurgel, J.N.Norris & Fredericq, 2018 D[DUKE 178154, 178155, 178156]/H[MICH 658611]<sup>98</sup>

*Crassiphycus corneus* (J.Agardh) Gurgel, J.N.Norris & Fredericq, 2018 H[Taylor & Arndt, 1929; MICH 658739, 658740, 658748, 658766]<sup>99</sup>

*Crassiphycus crassissimus* (P.Crouan & H.Crouan) Gurgel, J.N.Norris & Fredericq, 2018 D[Almodóvar & Bonnelly, 1977; NY 02197879; USNM 60487]/ H[Taylor & Arndt, 1929; DUKE 137315; MICH 658846, 658847; USNM 73731]<sup>100</sup>

*Gracilaria blodgettii* Harvey, 1853 H[Taylor & Arndt, 1929; DUKE 137266; MICH 655253, 655259; USCH-A-0000561; USNM 73534]

*Gracilaria bursa-pastoris* (S.G.Gmelin) P.C.Silva, 1952 D[Almodóvar & Bonnelly, 1977]<sup>101</sup>

*Gracilaria cervicornis* (Turner) J.Agardh, 1852 D<sup>102</sup>[Almodóvar & Bonnelly, 1977; DUKE 137453, 137452; F Co504765F; FH 01169794, 01170200; HJBSD 11352; NBC L.4061047, L.4061048, L.4061049; NY 02198135, 02198194, 03587478; UC 1462603, 1460924, 1460925; USNM 60332, 60357, 60490, 73551; YPM:YU.246170]<sup>103</sup>/ H[Taylor & Arndt, 1929; BISH 568176; DUKE 137446, 137447; F Co504805F, Co504804F; FH01170201; MICH 655355, 655461, 655462, 655463, 655509, 655511, 655513, 655518; NBC L.4061065; NY 02198184, 03587512, 03587513; UC677049, 1851200; USCH-A-0002222, A-0002221, A-0002220, A-0002225; USNM 73823, 73825, 73826]<sup>104</sup>

*Gracilaria damicornis* J.Agardh, 1852 H[Taylor, 1943; FH01170088, 01170089; MICH 655637, 655642; USNM 43405]<sup>105</sup>

*Gracilaria debilis* (Forsskål) Børgesen, 1932 D[Almodóvar & Bonnelly, 1977; DUKE 137433, 137443, 137444, 137445; FH01170104; NBC L.4061356, L.4061357, L.4061358NY; 02197968, 02197978, 02197965, 02197967; PH 00217677; UC1260970; USNM 48506, 60359, 60488, 60489; WNC-A-0003926]/H[Taylor, 1960; USNM 14219, 73763, 73764, 73765]

*Gracilaria domingensis* (Kützing) Sonder ex Dickie, 1874 D[DUKE 137365; HJBSD 11347; NBC L.4061257, L.4061261, L.4061262, L.4061263; NY 02198075; UC1460904, 1463529; USNM 60356, 94644]/ H<sup>106</sup>[Kützing, 1869<sup>107</sup>; Taylor, 1960, MICH 655671]

*Gracilaria foliifera* (Forsskål) Børgesen, 1932 D[NY 02198206; 02198207]/H[Taylor, 1943; BISH 561716; F Co504813F, Co504814F; FH01170145, 01170146; NBC L.4062321, L.4062322; NY 02198229, 02198230, 03587520, 03587521; UC1850567, 677048, 677059; USNM 73853, 163143]

*Gracilaria isabellana* Gurgel, Fredericq & J.N.Norris, 2004 H[MICH 655869, 655870, 655871, 655880, 655882, 655883, 655896; NY 02198275, 03587522; UC1850551; USNM 73961, 73964]<sup>108</sup>

*Gracilaria mammillaris* (Montagne) M.Howe, 1918 D[Almodóvar & Bonnelly, 1977; DUKE 178065, 178068, 178069; HJBSD 11350; NBC L.4062101, L.4062128; NY 02198319, 02198328; PH00217763; UC1463421, 1260971, 1450573; USNM 48498, 60319, 60333; WNC-A-0003915]/H[Taylor, 1943; BISH 562368; F Co504816F; FH01170235; MICH 655930, 655944; NBC L.4062130; NY 02198364, 03587523; UC1850633; USNM 73989; WNC-A-0006250]

*Gracilaria ornata* J.E. Areschoug, 1854 H[USNM 14220]

*Gracilariopsis andersonii* (Grunow) E.Y.Dawson, 1949 H[DUKE 137417]

<sup>97</sup> As *Wurdemannia setacea* in Taylor (1933), FH and NY 02268490, 02268489.

<sup>98</sup> As *Hydropuntia caudata*.

<sup>99</sup> As *Gracilaria cornea* in Taylor and Arndt (1929); *Hydropuntia cornea* in MICH.

<sup>100</sup> As *Gracilaria crassissima* in Taylor and Arndt (1929) and USNM. *Hydropuntia crassissima* in DUKE and MICH.

<sup>101</sup> As *Gracilaria compressa*.

<sup>102</sup> Dreckmann (2012) use Dominican material in the study of the genus *Gracilaria* e *Hydropuntia*.

<sup>103</sup> As *Gracilaria ferox* in FH01170200, NY 02198135, 02198194 and USNM 60332, 60357, 60490.

<sup>104</sup> As *Gracilaria ferox* in F, FH, NY, USCH-A-0002222, A-0002221, 0002220 and USNM 73823.

<sup>105</sup> As “*damaecornis*”.

<sup>106</sup> Type locality St. Domingo.

<sup>107</sup> As *Sphaerococcus domingensis*.

<sup>108</sup> As *Gracilaria lacinulata* in NY and USNM.

*Gracilariopsis longissima* (S.G.Gmelin) Steentoft, L.M.Irvine & Farnham, 1995 D[Almodóvar & Bonnelly, 1977; HJBSD 11351; NY 02198658, 02198659, 02198680, 02198697; UC1260969, 1462582, 1462583; USNM 60358, 60491, 60492]<sup>109</sup>/ H[Taylor, 1933; BISH 569970; FH01170031; F Co504783F; NY 02197710, 03587495; UC677025; USCH-A-0000560, A-0000564; USNM 73586]<sup>110</sup>  
*Gracilariopsis sjoestedtii* (Kyllin) E.Y.Dawson, 1949 D[Almodóvar & Bonnelly, 1977; NY 02198733, 02198594, 02198595; USNM 60338, 60342]/ H[Taylor, 1960; MICH 656340, 656343]<sup>111</sup>  
*Gracilariopsis tenuifrons* (C.J.Bird & E.C.Oliveira) Fredericq & Hommersand, 1989 H[USNM 73585]

#### Order Halymeniales

##### Family Halymeniaceae

*Cryptonemia bengryi* W.R.Taylor, 1960 D[Álvarez & Bonnelly, 1978]  
*Cryptonemia crenulata* (J.Agardh) J.Agardh, 1851 D[Børgesen, 1924; USNM 204513, AIOCK81; HJBSD 11307]/ H[Taylor, 1960; USNM 14187]  
*Cryptonemia seminervis* (C.Agardh) J.Agardh, 1846 D[Almodóvar & Bonnelly, 1977; DUKE 136052; UC1260968; USNM 60340; NBC L.4055296; NY 02174740]/ H[NY 02174744; USNM 77487]<sup>112</sup>  
*Grateloupia cuneifolia* J.Agardh, 1849 D[Almodóvar & Bonnelly, 1977; NY 02198785]  
*Grateloupia filicina* (J.V.Lamouroux) C.Agardh, 1822 D[Álvarez & Bonnelly, 1978; HJBSD 11210; MICH 656640, NBC L.4049308, L.4049312, L.4049317, L.4049408; NY 02213000, WNC-A-0003801]/ H[Taylor, 1933; BISH 533210; FH 01170533, 01170534; FHMN Co513493F, Co513495F, Co513494F; MICH 656561, 656563, 656564, 656568, 656586, 656588; NBC L.4049405; NRM A24168; NY 02198973, 02198970, 02212978, 03587924, 03587923; USNM 74638, 74639, 74650, 74651, 74660]  
*Grateloupia filiformis* Kützing, 1849 H[MICH 656728]  
*Halymenia floresii* (Clemente) C.Agardh, 1817 H[Taylor, 1933; FH01171433; F Co513577F; NY 02213627, 03532435; USNM 75025]<sup>113</sup>  
*Halymenia pseudofloresii* Collins & M.Howe, 1916 H[MICH 657768]

#### Order Hapalidiales

##### Family Hapalidiaceae

*Melobesia membranacea* (Esper) J.V.Lamouroux, 1812 H[Taylor, 1940; BISH 536789; F Co518636F; MICH 676581, 676582, 676589, 676591, 676595, 676596, 676597; NBC L.4081168; NY 02284759, 02183640, 03355583; UC1857315, 677086; USNM 51414, 51415, 77510; WNC-A-0006671]

##### Family Hydrolithaceae

*Hydrolithon boergesenii* (M. Foslie) M. Foslie, 1909 H[Taylor, 1933; F Co517270F; MICH 621100, 737699; NY 03588520; USNM 33012]<sup>114</sup>  
*Hydrolithon boreale* (Foslie) Y.M.Chamberlain, 1994 H[Taylor, 1940]<sup>115</sup>  
*Hydrolithon farinosum* (J.V.Lamouroux) Penrose & Y.M.Chamberlain, 1993 D[Williams *et al.*, 1983; HJBSD 11363]/H[Taylor & Arndt, 1929]<sup>116</sup>; MICH 675799, 675835; USNM 33896]<sup>117</sup>

##### Family Mesophyllaceae

*Mesophyllum mesomorphum* (Foslie) W.H.Adey, 1970 D[Rosenberg *et al.*, 1995]/ H[USNM D&ML 58529]<sup>118</sup>  
*Mesophyllum syntrophicum* (Foslie) W.H.Adey, 1970 H[Begin & Steneck, 2003]

#### Order Hildenbrandiales

##### Family Hildenbrandiaceae

<sup>109</sup> As *Gracilaria verrucosa* in HJBSD, UC, USNM and NY.

<sup>110</sup> As *Gracilaria verrucosa* in UC and USNM; *Gracilaria confervoides* in Taylor (1933), FH, F, NY and USCH-A-0000564.

<sup>111</sup> As *Gracilaria sjoestedtii* in all records, except NY 02198733.

<sup>112</sup> As *Cryptonemia luxurians* in UC, USNM, NBC and NY.

<sup>113</sup> As *Halymenia floresia* in all records, except F and FH.

<sup>114</sup> As *Goniolithon boergesenii*.

<sup>115</sup> As *Fosliella farinosa* var. *solmsiana*.

<sup>116</sup> As *Melobesia farinosa*.

<sup>117</sup> As *Fosliella farinosa*.

<sup>118</sup> USNM Collection Number.

*Hildenbrandia rubra* (Sommerfelt) Meneghini, 1841 D[Díaz-Piferrer, 1978<sup>119</sup>]

Order Nemaliales

Family Galaxauraceae

*Dichotomaria marginata* (J.Ellis & Solander) Lamarck, 1816 H[Taylor & Arndt, 1929; BISH 1080353, 1080354; DUKE 136715; FH00778594, 00899558, 00899559; MICH 651070, 651071, 651073, 651076, 651077, 651174, 651175; NBC L.4055750, NBC L.4055751; NY 02180931, 02180975, 02180976, 03598984, 03598985, 03598986; UC677006, 677002, 1847335, 1847336; USCH-A-0000568; USNM 73354, 73355, 73356]<sup>120</sup>

*Dichotomaria obtusata* (J.Ellis & Solander) Lamarck, 1816 D[Almodóvar & Bonnelly, 1977; DUKE 136737; NBC L.4055642, L.4055651; NY 02181097, 02181098; UC 1260960, 1462601; USNM 60353, 60486]/ H[Taylor, 1933; MICH 651182, 651215; USNM 14,211, 14212, 73378]<sup>121</sup>

*Galaxaura rugosa* (J.Ellis & Solander) J.V.Lamouroux, 1816 D[Børgesen, 1924; FH00909300, 00909301; HJBSD 11448; MICH 653015, 653017, 653023; NBC L.4056474, L.4056491, L.4056506; NY 03599035; UC1463415; USNM 73415]<sup>122</sup>/ H[Taylor & Arndt, 1929; BISH 530551; DUKE 136807, 136808; FH00889480, 00909271, 00909302, 00909303, 00909312, 00909313, 00909314, 00909315; MICH 621092, 652961, 652964, 653001, 653002, 653011, 653020, 653021, 653022, 653111, 653139, 653140, 653160, 653161, 653165, 653166, 653167, 653168, 653169, 653183, 653272, 653273, 653275, 653276, 653277; NBC L.4056392; NRM A22861; NY 02181192, 02181193, 02208397, 02208414, 03598967, 03599019, 03599020, 03599021, 03599022, 03599033, 03599034; USNM 14210, 73300, 73416, 73417, 73418, 73446, 73447, 73448, 73449, 73450, 74057, 74058]<sup>123</sup>

*Tricleocarpa cylindrica* (J.Ellis & Solander) Huisman & Borowitzka, 1990 D[Almodóvar & Bonnelly, 1977; DUKE 136672; HJBSD 11459; MICH 673812; NBC L.4086876, L.4086884; NY 02180726; UC1462600, 1463412; USNM 60485]/ H[Taylor, 1933; F C0502391F; FH00899453; MICH 673786, 673802, 673838; NBC L.4086886; NY 02180717, 03598961; UC677019, 1847302; USNM 73270, 73271; WNC-A-0006659]<sup>124</sup>

*Tricleocarpa fragilis* (Linnaeus) Huisman & R.A.Townsend, 1993 D[Børgesen, 1924<sup>125</sup>; NBC L.4086678]/ H[Taylor, 1933<sup>126</sup>; BISH 530429; FH00909227; MICH 673890, 673900, 673901, 673902, 673903, 673916; NRM A22830; NY 02181020, 03598996, 03598997; UC1847350; USCH-A-0000574; USNM 73323, 73324, 73325]

Family Liagoraceae

*Ganonema farinosum* (J.V.Lamouroux) K.C.Fan & Yung C.Wang, 1974 D[Almodóvar & Bonnelly, 1977; FH01165684]<sup>127</sup>/ H[Taylor & Arndt, 1929; F C0502089F; FH01165694; MICH 653313, 653314, 653351; NRM A22880; NY 02217623, 03355941; USNM 76803, 76807]<sup>128</sup>

*Ganonema megagynum* (Børgesen) Huisman, 2002 D[Williams *et al.*, 1983]<sup>129</sup>

*Ganonema pinnatum* (Harvey) Huisman, 2002 D[Chiappone *et al.*, 2001]<sup>130</sup>

*Gloiocallis dendroidea* (P.Crouan & H.Crouan) Showe M.Lin, Huisman & D.L.Ballantine, 2014 D[Almodóvar & Bonnelly, 1977<sup>131</sup>; HJBSD 11370]<sup>132</sup>

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<sup>119</sup> As *Hildenbrandia prototypus*.

<sup>120</sup> As *Galaxaura marginata* in Taylor & Arndt (1929), NY and USNM. *Brachycladia marginata* in FH00778594.

<sup>121</sup> As *Galaxaura obtusata* in Almodóvar and Bonnelly (1977), Taylor (1933), NY and USNM.

<sup>122</sup> As *Galaxaura flagelliformis* in Børgesen (1924); *Galaxaura squalida* in NY 03599035.

<sup>123</sup> *Galaxaura squalida* in Taylor and Arndt (1929); MICH 653139, 653140, 653160, 653161, 653165, 653166, 653167, 653168, 653169, 653183, 653272, 65327, 653275, 653276, 653277; NBC L.4056392; NY 02208397, 02208414, 03599033, 03599034 and USNM 73446, 73447, 73448, 73449, 73450. *Galaxaura flagelliformis* in FH00889480; NY 03598967 and USNM 73300. *Galaxaura subverticillata* in USNM 74057, 74058. *Galaxaura lapidescens* in USNM 14210.

<sup>124</sup> As *Galaxaura cylindrica* in Taylor (1933), F, NY and WNC.

<sup>125</sup> As *Galaxaura fragilis*.

<sup>126</sup> As *Galaxaura oblongata*.

<sup>127</sup> As *Liagora elongata*.

<sup>128</sup> As *Liagora farinosa* in all records, except MICH and NRM.

<sup>129</sup> As *Liagora megagyna*.

<sup>130</sup> As *Liagora pinnata*.

<sup>131</sup> As *Liagora mucosa*.

*Liagora ceranoides* J.V.Lamouroux, 1816 D[Almodóvar & Álvarez, 1978]/ H[Taylor & Arndt, 1929; BISH 536462; F C0501865F; FH01165632, 01165633, 01165634; MASS 00383925; MICH 661695, 661696, 661708, 661709; NCU-A-0017948, A-0017949; NRM A27144; NY 02217514, 02217515, 03355932; UC1855703, 949869; USNM 14275, 166730, 76770, 76778, 76781]  
*Liagoropsis schrammii* (P.L.Crouan & H.M.Crouan) Doty & I.A.Abbott, 1964 D[Almodóvar & Álvarez, 1978; DUKE 205586; NBC L.4063200; NY 02217959; UC1462607; USNM 60503]  
*Titanophycus validus* (Harvey) Huisman, G.W.Saunders & A.R.Sherwood, 2006 D[Almodóvar & Bonnelly, 1977; NBC L.4063450; NY 02217877, 02217849; UC1462606; USNM 60502]/ H[Taylor, 1943; MICH 673443, 673468; USNM 33901, 76859]<sup>133</sup>  
*Trichogloea requienii* (Montagne) Kützing, 1847 D[Luczkovich, 1991]  
*Trichogloeopsis pedicellata* (Howe) I.A.Abbott & Doty, 1960 H[USNM 14304]  
*Yamadaella caenomyce* (Decaisne) I.A.Abbott, 1970 D[Wynne & Huisman, 1998; MICH 674775; PERTH 8843600; USNM 164187]

#### Family Sciniaceae

*Scinia caribaea* (W.R.Taylor) Huisman, 1985 H<sup>134</sup>[Taylor, 1943; MICH 1306421; USNM 56486]

#### Order Peyssonneliales

##### Family Peyssonneliaceae

*Peyssonnelia dubyi* P.Crouan & H.Crouan, 1844 H[Taylor, 1943; F C0516663F; MICH 737416, 737452; NY 02189901, 03355096; UC677614; USNM 33013<sup>135</sup>; 204247]  
*Peyssonnelia rosenvingii* F.Schmitz, 1893 H[Taylor, 1960]  
*Peyssonnelia rubra* (Greville) J.Agardh, 1851 H[Taylor & Arndt, 1929; MICH 665956, 665952; USNM 78260]  
*Peyssonnelia simulans* Weber-van Bosse, 1916 D[NY 02185050; USNM 33897]  
*Polystrata fosliei* (Weber Bosse) Denizot, 1968 H[Segonzac, 1969]

#### Order Rhodymeniales

##### Family Champiaceae

*Champia compressa* Harvey, 1838 D[Díaz-Piferrer, 1978]  
*Champia parvula* (C.Agardh) Harvey, 1853 D[Børgesen, 1924; DUKE 135461; HJBSD 11305; MICH 647349, 647350; NY 02116440, 02176594]/ H[Taylor, 1933; DUKE 135448; FH00788496; MICH 647359, 647460, 647462; UC363993; USCH-A-0000559; USNM 73054, 73055]  
*Coelothrix irregularis* (Harvey) Børgesen, 1920 D[Børgesen, 1924; MICH 649112; NY 02173719]/ H[Taylor & Arndt, 1929; DUKE 135917; FH00618373; F C0505891F; MICH 649042, 649044, 649046, 649108, 649109; NY 03597450; USNM 3993, 3996]

#### Family Lomentariaceae

*Ceratodictyon planicaule* (W.R.Taylor) M.J.Wynne, 2011 H<sup>136</sup>[Taylor, 1943; MICH 647035, 1306817, 1306818]  
*Hooperia divaricata* (Durant) M.J.Wynne, C.W.Schneider & G.W.Saunders, 2019 D[Williams *et al.*, 1983<sup>137</sup>]

#### Order Sporolithales

##### Family Sporolithaceae

*Sporolithon dimotum* (Foslie & M.Howe) Yamaguishi-Tomita ex M.J.Wynne, 1986 D[MNHN-PC-PC0606915A]/ H[Taylor, 1960]<sup>138</sup>  
*Sporolithon episorum* (M.A.Howe) E.Y.Dawson, 1960 H[MICH 622093]

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<sup>132</sup> As *Liagora dendroidea*.

<sup>133</sup> As *Liagora valida*, except UC and MICH.

<sup>134</sup> Type locality: Trou Cochon, west of Jérémie, Haiti, *Gloiophloea caribaea* in Taylor (1943) and USNM.

<sup>135</sup> As *Cruoriella dubyi*.

<sup>136</sup> Type locality: Jérémie, Haiti. *Gelidiopsis planicaulis* in Taylor (1943). *Wurdemannia miniata* var. *planicaulis* in MICH 1306817, 1306818.

<sup>137</sup> As *Lomentaria baileyana*.

<sup>138</sup> As *Archaeolithothamnium dimotum*.

Class Stylonematophyceae

Order Stylonematales

Family Stylonemataceae

*Bangiopsis dumontioides* (P.Crouan & H.Crouan) V.Krishnamurthy, 1957 H[Taylor, 1933<sup>139</sup>; MICH 642582, 642583, 642584, 642585]

*Bangiopsis subsimplex* (Montagne) F.Schmitz, 1896 H[Taylor 1933; BISH 550412,550413; FH00777905, 00777906, 00777907, 00777908, 00777909, 00777910, 00777911, 00777912; F Co503600F, Co503601F, Co503602F, Co503603F, Co503604F; MASS 382487; MICH 642594, 642595, 642596, 642597; NBC L.4033302; NCU-A-0001782; NRM A16395, A16396, A16397, A16398, A16399; NY 2268604, 2268605, 2268606, 2268607, 2268608, 2268609, 2268610; UC949907, 949923; 1836659, 1836660, 2050672, USNM 3115, 3116, 42493, 72331, 164669, 198430]

*Chrodactylon ornatum* (C.Agardh) Basson, 1979 D[Børgesen, 1924]/H[Taylor & Arndt, 1929; ABRU 00005111; CHR B 0016667; F Co503401F; GB-0143517 0143518; MICH 642307, 642308; MNHN-PC-PC0108439; MU 210330; NBC L.4032609; NY 2344182, 2141086, 2141087; USNM 3068, 154787; YPM:YU.095579]<sup>140</sup>

*Stylonema alsidii* (Zanardini) K.M.Drew, 1956 D[Díaz-Piferrer, 1978<sup>141</sup>]

**Kingdom Chromista**

**Phylum Ochrophyta**

Class Phaeophyceae

Order Dictyotales

Family Dictyotaceae

*Canistrocarpus cervicornis* (Kützing) De Paula & De Clerck, 2006 H[BISH 556238, 556239; DUKE 210096, 210095, 210081, 210079; MICH 631030, 631110, 631111, 631112, 631113, 631115, 631119, 631120, 631121, 631122, 631123; NBC L.4016701, L.4016713, L.4016741, L.4016742; USCH-A-0000217]

Species	D	H
<i>Dictyota cervicornis</i>	Almodóvar & Bonnelly, 1977; BR5010122775583V; NY 02231818, USNM 219971	Taylor & Arndt, 1929; FC0523036F, Co523034F, Co523035F; NY 02231854, 02231846, 02231845; PH00223495, 00223508, 00223509; UC1830789, 1830790, 1830793, 677072, 677024; WNC-A-0000374, A-0000372, A-0000373, A-0000371, A-0000375; USNM 745, 71114, 71117, 71118, 71119, 14085, 14086; WNC-A-0006811
<i>Dictyota divaricata</i>	NBC L.3937458, L.3937469, L.3937507; NY 02232445, 02232369, 2232368; PH 00223585; UC1457552, 1462597, 1260927; USNM 55381, 60266, 60479, 220019	BISH 556469, 556470; F Co523078F, Co577521F; FH00804065, 00804066; NY 02232407, 02232408, 03206839, 03206841; PH00223591, 00223604; UC1830994, 1830995, 677046, 677053; USNM 835, 837, 14099, 71216; WNC-A-0006810, A-0006812
<i>Dictyota indica</i>	HJBSD 09710	
<i>Dictyota pardalis</i>	USNM 874	

*Dictyopteris delicatula* J.V.Lamouroux, 1809 D[Almodóvar & Bonnelly, 1977; DUKE 203561, 203560; HJBSD 11318; MICH 632852, 632887; NBC L.4001615, L.4001638, L.4001639; NY 02231013, 02231015; UC1460907, 1460908, 1463395; USNM 60276, 60278]/ H[Taylor & Arndt, 1929<sup>142</sup>; BISH 555606; DUKE 203557; F Co522873, Co522874, Co522874F, Co522872F, Co522873F; MICH 632779, 632786, 632811, 632871, 632881, 632882, 632888, 632891; NBC L.4001735; NY 02230994,

<sup>139</sup> As *Bangiopsis humphreyi*.

<sup>140</sup> As *Asterocytis ramosa* in all records, except CHR B; *A. ornata* in USNM.

<sup>141</sup> As *Goniotrichum alsidii*.

<sup>142</sup> As *Neurocarpus delicatulus*.

02230995, 03206283, 03206284; UC677045, 677058, 1830488; USCH-A-0000565; USNM 595, 599, 610, 32991, 71013]

*Dictyopteris jamaicensis* W.R.Taylor, 1960 D[Almodóvar & Bonnelly, 1977; NY 02231093, 02231091; PH00223378, 00223379; UC1450576; USNM 48508; WNC-A-0001567]

*Dictyopteris jolyana* E.C.Oliveira & R.P.Furtado, 1978 D[USNM 210502]/ H[USNM D&ML 58451<sup>143</sup>]

*Dictyopteris justii* J.V.Lamouroux, 1809 D[Almodóvar & Bonnelly, 1977; DUKE 203621, 203624, 203625; HJBSD 11321; NBC L.4001807, L.4001811, L.4001813; NY 02231173, 02231165, 02231135, 00887773, 00887771; PH00223380, 00223381; UC1450577, 1260953; USNM 32185, 48509, 60280; WNC-A-0001573]/ H[Taylor, 1933<sup>144</sup>; MICH 632971, 633004; NRM A17979; NY 02231153; USNM 591, 70993]

*Dictyopteris plagiogramma* (Montagne) Vickers, 1905 H[Taylor, 1943; F C0522893, C0522893F, C0522892F; MICH 633108, 633117; NBC L.4001533; NY 03206672, 03206673, 02231204; UC677070, 1830545; USNM 625]

*Dictyopteris polypodioides* (A.P.De Candolle) J.V.Lamouroux, 1809 D[Almodóvar & Bonnelly, 1977; DUKE 203602; NBC L.4001299; NY 02231176; UC1260929; USNM 60277]<sup>145</sup>

*Dictyota bartayresiana* J.V.Lamouroux, 1809 D[Børgesen, 1924; ENA JQ061009, JQ061010<sup>146</sup>; USNM 219941]<sup>147</sup>/ H[Taylor & Arndt, 1929<sup>148</sup>; DUKE 210052, 210053, 633639, 633681; MICH 633629; NY 03207018; USNM 33892, 71062, 71066]

*Dictyota ciliolata* Sonder ex Kützing, 1859 D[Almodóvar & Bonnelly, 1977; HJBSD 11447]/ H[Taylor & Arndt, 1929; BISH 556254; DUKE 210118; F C0577516F; MICH 633714, 633717, 633724, 633729, 633785, 633810, 633916; NY 02231919, 03207027; NBC L.4002058; UC1830806, 677017; USCH-A-0000562, A-0000623; USNM 715, 722, 14087]

*Dictyota crenulata* J.Agardh, 1847 D[ENA JQ061055, JQ061056, JQ061099, JQ061112<sup>149</sup>]/H[NY 03207003, 03207004, 03207005]

*Dictyota dichotoma* (Hudson) J.V.Lamouroux, 1809 D[Almodóvar & Bonnelly, 1977; HJBSD 11356; NBC L.3936404; NY 02232285; UC1260957; USNM 60270, 219995]/ H[Taylor, 1933; USNM 14098]

*Dictyota guineënsis* (Kützing) P.Crouan & H.Crouan, 1878 D[Almodóvar & Bonnelly, 1977; HJBSD 11273; DUKE 210460, 210464; NY 02232817, 02232816]/ H[Taylor & Arndt, 1929; CHR 0016256; DUKE 210458; MICH 634193, 634194, 634199, 634218, 634219, 634257, 634258; PH 00223663; USNM 32992, 60274, 71275, 71276]<sup>150</sup>

*Dictyota implexa* (Desfontaines) J.V.Lamouroux, 1809 D[Børgesen, 1924; NY 02232668; USNM 60480]<sup>151</sup>

*Dictyota jamaicensis* W.R.Taylor, 1960 D[Luczkovich, 1991; TFC Phyc 14596]<sup>152</sup>

*Dictyota mertensii* (C.Martius) Kützing, 1859 D[Børgesen, 1924; DUKE 210140, 210141, 210146, 210144, 210145; ENA GQ425114, GQ425180<sup>153</sup>, JQ061065; FH00804008, 00804009; HJBSD 08738; NBC L.3937115, L.3937119, L.3937121, L.3937125, L.3937130; NY 02231972, 02231981, 02231979, 02232060, 02232061; UC1260952, 1450582, 1462579, 1462578; USNM 779, 42703, 48510, 60279, 60477, 60478, 219982, 13597250, D&ML 51583<sup>154</sup>; WNC-A-0001727]/ H[Taylor, 1933; MICH 634413, 634479, 634489, 634490; USNM 791, 14088, 14089, 14090, 71158, 71159]<sup>155</sup>

*Dictyota pinnatifida* Kützing, 1859 D[ENA JQ061069, JQ061070, JQ061071, JQ061072<sup>156</sup>]/H[Taylor, 1960<sup>157</sup>]

<sup>143</sup> USNM Collection Number.

<sup>144</sup> As *Neurocarpus justii*.

<sup>145</sup> As *Dictyopteris membranacea* in NY and USNM.

<sup>146</sup> Sequences in The European Nucleotide Archive.

<sup>147</sup> As *Dictyota bartayresii*.

<sup>148</sup> As *Dictyota bartayresii*.

<sup>149</sup> Sequences in The European Nucleotide Archive.

<sup>150</sup> As *Dilophus guineensis* in all references except DUKE and MICH.

<sup>151</sup> As *Dictyota linearis*.

<sup>152</sup> Dominican material of this species was used in the taxonomy reassessment of dentate *Dictyota* species (Tronholm *et al.*, 2013) and the phylogenetic and molecular analyses of the genus (Lozano-Orozco *et al.*, 2016).

<sup>153</sup> Sequences in The European Nucleotide Archive of specimens from Catalina Island, Dominican Republic..

<sup>154</sup> USNM Collection Number.

<sup>155</sup> As *Dictyota dentata* in all records except USNM AIOCK83.

<sup>156</sup> Sequences in The European Nucleotide Archive.

<sup>157</sup> As *Dilophus alternans*.



- Dictyota pulchella* Hörnig & Schnetter, 1988 D[DUKE 210300, 210299, 210311, 210312]/ H[Taylor & Arndt, 1929; DUKE 210354; MICH 634668, 634669, 634722, 634723, 634724]
- Lobophora variegata* (J.V.Lamouroux) Womersley ex E.C.Oliveira, 1977 D[Børgesen, 1924; DUKE 211760, 211274, 211275, 211277; HJBSD 11330; MICH 636342; NBC L.4024750, L.4024780; NY 02257309, 02271303, 02271302; UC 1260930; USNM 48507, 60272, 60504]<sup>158</sup>/ H[Taylor & Arndt, 1929; DUKE 211319; F C0523628, C0523628F; MICH 636316, 636317, 636340, 636341; 636492; NY 03057654; PH00231438; UF 172-Ochrophyta; USNM 14109, 14110, 72603, 72604]<sup>159</sup>
- Padina boergesenii* Allender & Kraft, 1983 D[MICH 637115; NBC L.4019556]/ H[Taylor, 1960; MICH 637052, 637056, 637057]
- Padina gymnospora* (Kützing) Sonder, 1871 D[Børgesen, 1924; DUKE 211466, 211465; HJBSD; NBC L.4013338; NY 02268663, 02268664; UC1260954; USNM 60265, 60268]/ H[Taylor, 1940; DUKE 211462; F C0577267F; FH00870065; MICH 637356, 637357, 637358, 637561, 1306530; NBC L.4013403; NY 02268940, 03059411; UC677141, 1834736; USNM1697, 1789, 33899, 56786, 71688]<sup>160</sup>
- Padina haitiensis* Thivy, 1960 D[MICH 636878 ]/ H<sup>161</sup>[Taylor, 1960]
- Padina pavonica* (Linnaeus) Thivy, 1960 D[FH00870103; F C0523416F, C0523416; NY 03060065; USNM 1742; YPM:YU.085986]<sup>162</sup>
- Padina profunda* S.A.Earle, 1969 D[MICH 636894; USNM 210538, 13597253, D&ML 51592]<sup>163</sup>
- Padina sanctae-crucis* Børgesen, 1914 D[Almodóvar & Bonnelly, 1977; HJBSD 09722; MICH 637742, 637743; NBC L.4012778]/ H[Taylor & Arndt, 1929; BISH 558826, 558898; F C0523426, C0523426F; C0577264F; FH870149, 00870150, 00870152; MICH 637666, 637667, 637676, 637715, 637717, 637718, 637719, 637723; NBC L.4012794; NY 02268868, 02268848, 02268847; PH00230801; UC677081, 677011, 1834720, 1834719; USCH-A-0000357; USNM 1757, 1759, 1760, 1768, 71607, 163123]
- Spatoglossum schroederi* (C.Agardh) Kützing, 1859 D[Almodóvar & Bonnelly, 1977; DUKE 196282; HJBSD 11304; NBC L.4031225, L.4031226, L.4031227; NY 02274014; UC1463550, 1260951; USNM 60275]
- Styopodium zonale* (J.V.Lamouroux) Papenfuss, 1940 D[Almodóvar & Bonnelly, 1977; DUKE 196354; NBC L.4027595; NY 02283165, 02283166, 03057861; UC1260955, 1462613; USNM 43574, 60273, 60509, 220558; YU.091058]<sup>164</sup>/ H<sup>165</sup>[Lamouroux, 1805; DUKE 196332; FH00884787, 00884792; NY 02283824; USCH-A-0000360, A-0000358; USNM 2715, 2716, 72614; MICH 639862, 639863, 639864, 639874; USNM 14134, 51152, 204463, 204464]<sup>166</sup>
- Taonia pseudociliata* (J.V.Lamouroux) Nizamuddin & Godeh, 1993 D[NY 00922392, 00922393]/ H[Lamouroux, 1805]<sup>167</sup>

#### Order Ectocarpales

##### Family Acinetosporaceae

*Feldmannia duchassaingiana* (Grunow) Aisha & Shameel, 2011 D[Díaz-Piferrer, 1978]<sup>168</sup>

##### Family Chordariaceae

*Cladosiphon occidentalis* Kylin, 1940 H[USNM 14075]

##### Family Scytosiphonaceae

*Colpomenia sinuosa* (Mertens ex Roth) Derbès & Solier, 1851 D[Almodóvar & Bonnelly, 1977; DUKE 203333; HJBSD 11312; NBC L.4023455; NY 02228841; USNM 48512; WNC-A-0002540]

<sup>158</sup> *Zonaria variegata* in Børgesen (1924); *Pocockiella variegata* in HJBSD NY and UC. Vieira *et al.* (2020) in the review of *Lobophora* include material from el Portillo, Dominican Republic.

<sup>159</sup> *Zonaria variegata* in Taylor and Arndt (1929), F, NY y PH.

<sup>160</sup> As *Padina vickersiae* in Taylor (1940), NY and USNM 1789, 33899, 71688

<sup>161</sup> Type locality: Tortuga Island, Haiti.

<sup>162</sup> As *Padina pavonia*.

<sup>163</sup> USNM Collection Number.

<sup>164</sup> As *Zonaria lobata* in NY 03057861 and YU.

<sup>165</sup> Type locality: "Sancti Dominici" as *Fucus zonalis*.

<sup>166</sup> As *Zonaria zonalis* in FH, NY, USCH, USNM. Also in Taylor (1933).

<sup>167</sup> As *Fucus pseudociliatus*.

<sup>168</sup> As *Giffordia duchassaingiana*.

*Hydroclathrus clathratus* (C.Agardh) M.A.Howe, 1920 D[Almodóvar & Álvarez, 1978]/ H[USNM 14108; NBC L.4024618]  
*Rosenvingea intricata* (J.Agardh) Børgesen, 1914 D[Williams *et al.*, 1983]

#### Order Fucales

##### Family Sargassaceae

*Sargassum buxifolium* (Chauvin) M.J.Wynne, 2011 D[BCN 2316]

*Sargassum cymosum* C.Agardh, 1820 D[Almodóvar & Bonnelly, 1977; DUKE 212138]/ H[Taylor & Arndt, 1929; DUKE 211943; MICH 610743, 610749, 610754, 610755, 610763; PH00231043]

*Sargassum filipendula* C.Agardh, 1824 D[FH00883045, FH00883046, FH00883047; USNM 2014]<sup>169</sup>/ H[Taylor & Arndt, 1929; F Co522463, Co522463F, Co522462F; FH00883267; MICH 610899, 610903; NY 03059819, 03059820; USNM 2112, 2114]

*Sargassum fluitans* (Børgesen) Børgesen, 1914 D[Luczkovich, 1991; INat 6833363, 30689889; MICH 610936, 610978, 610981; USNM 203125, 203126, 203140]/ H[Taylor, 1943; F Co522469, Co522468F, Co522469F; FH00883219; MICH 610991; NY 03059754, 02272701; UC677035; USNM 2127]

*Sargassum howellii* Setchell, 1937 D[FH00883362]

*Sargassum hystrix* J.Agardh, 1847 D[Almodóvar & Bonnelly, 1977; BCN 2321; DUKE 212420, 212419; FAUO 491<sup>170</sup>; FH00883364; HJBSD 11271; NY 02272835]/ H[Littler *et al.*, 1999; USNM 203175, 203176]

*Sargassum lendigerum* (Linnaeus) C.Agardh, 1820 H[Taylor, 1943; USNM 2193, 2194]

*Sargassum liebmannii* J.Agardh, 1847 D[BCN 2322]

*Sargassum natans* (Linnaeus) Gaillon, 1828 D[Almodóvar & Bonnelly, 1977; HJBSD 09715; MNHN-PC0535845; MICH 629309, 629315, 629316; NRM A13284, A13290; NY 02273041]/ H[Taylor & Arndt, 1929; BISH 560860; DUKE 212366; F Co522423, Co522423F; FH00883468, 00883469; MICH 629211, 629212, 629218, 629219, 629219, 629226, 629281; MNHN-PC0468373, PC0468374, PC0599541, PC0535846, PC0535858; NBC L.4025703; NY 03059202, 02273033; UC1837654, 677051; USCH-A-0000399, A-0000740; USNM 2245, 2247, 71646, 71647, 71648; WNC-A-0006662]

*Sargassum platycarpum* J.Agardh, 1889 D[Almodóvar & Bonnelly, 1977; DUKE 212323; FH00883532; NY 02273164; PH 00231127; UC1450580; USNM 48517; WNC-A-0002382]/ H[Taylor & Arndt, 1929; DUKE 212324; F Co522438, Co522438F; FH00883531; MICH 629378, 629379, 629380, 629383, 629391, 629401, 629402, 629403, 629404, 629405; MNHN-PC-PC0468378, PC-PC0459746; NBC L.4025464; NY 02273135, 02273136, 03059605, 02273149; USCH-A-0000377, A-0000376; USNM 2294, 2297, 14124, 71740, 71741]

*Sargassum polyceratium* Montagne, 1837 D[Almodóvar & Bonnelly, 1977; DUKE 211988, 212080, 212081; HJBSD 11266; NBC L.4025422, L.4025491; NY 02273247, 02273260, 02273192, 02273193; PH 00231141; PH00231141; UC1460909, 1460910; USNM 34353, 60269, 60267]/ H[Taylor & Arndt, 1929; BISH 560735; F Co522445, Co522446, Co522447, Co522446F, Co522447F, Co522445F; FH00883548, 00883550; MICH 629524, 629534, 629535, 629536, 629537, 629538, 629539, 629540, 629542, 629543; NBC L.4025437; NY 02273187, 02273186, 03059612, 03059613, 03059614, 02273175, 02273195, 02273194; UC1840310, 677028, 677029; USNM 2304, 2305, 2306, 71747, 71748]

*Sargassum polyceratium* var. *ovatum* (Collins) W.R.Taylor, 1928 D[Méndez-Tejeda y Rosado, 2019]/ H[DUKE 212082; MICH 629546, 629554]

*Sargassum pteropleuron* Grunow, 1868 H[USNM 2329]

*Sargassum ramifolium* Kützinger, 1861 D[Almodóvar & Álvarez, 1978; USNM 223319]/H[Taylor, 1960; MICH 610500]

*Sargassum rigidulum* Kützinger, 1849 D[NY 02273393; USF-A13225; USNM 60271]

*Sargassum vulgare* C.Agardh, 1820 D[Børgesen, 1924; FH00883735, 00883736; MICH 629696, 629697; USNM 2388]/ H[Taylor & Arndt, 1929; BISH 560916; F Co522481, Co522482, Co522481F, Co522480F; FH00883738, 00883739; MICH 629682, 629683, 629700, 629701; MNHN-PC-PC0459625; NBC L.4026140; NY 02273494, 03059853, 03059854, 02273553, 02273552, 02273495; UC1840412, 677052; USNM 14133, 2383, 2386, 71760]

<sup>169</sup> As *Sargassum affine*.

<sup>170</sup> Moreira and Cabrera (2011) include Dominican material from this herbarium in the study of the anatomy of the reproductive structures in two varieties of *Sargassum*.

*Sargassum vulgare* var. *foliosissimum* (J.V.Lamouroux) C.Agardh, 1820 H[USNM 2380; MICH 629777, 629778]

*Turbinaria tricostata* E.S.Barton, 1891 D[Almodóvar & Álvarez, 1978; NY 02283383; USNM 2640]/ H[F C0522785F; USNM 14143]

*Turbinaria turbinata* (Linnaeus) Kuntze, 1898 D[Almodóvar & Bonnelly, 1977; DUKE 196493, 196504; FH00884584, 00884587; HJBSD 09719; INat 19950870, 25193793, 35417205, 19271830, 4075867, 2613240; MGC 3165-1; MICH 630406, 630410, 630411; NBC L.4031362; NY 02283446, 02283447; UC1450581; USNM 48516]/ H[Taylor & Arndt, 1929; BISH 569378, 569377; F C0522785, C0577536F; FH00884578, 00884579, 00884581, 00884583; MICH 630383, 630384, 630385, 630396, 630397, 630398, 630401, 630403; NY 02283395, 02283396, 02283436, 02283461, 03057974, 03057978; UC1842434, 677061; USCH-A-0000575; USNM 2656, 72583, 72584, 72585, 72586, 72587, 14142, 14143; WNC-A-0006688]

#### Order Ralfsiales

##### Family Neoralfsiaceae

*Neoralfsia expansa* (J.Agardh) P.-E.Lim & H.Kawai ex Cormaci & G.Furnari, 2012 H[Taylor, 1943; MICH 737257<sup>171</sup>]

#### Order Sphacelariales

##### Family Sphacelariaceae

*Sphacelaria novae-hollandiae* Sonder, 1845 D[Williams *et al.*, 1983]

*Sphacelaria rigidula* Kützing, 1843 D[Díaz-Piferrer, 1978<sup>172</sup>]

*Sphacelaria tribuloides* Meneghini, 1840 H[Taylor & Arndt, 1929; MICH 639348]

### Kingdom Plantae

### Phylum Chlorophyta

#### Class Ulvophyceae

##### Order Bryopsidales

##### Family Bryopsidaceae

*Bryopsis halliae* W.R.Taylor, 1962 H[MICH 679328, 679342]

*Bryopsis hypnoides* J.V.Lamouroux, 1809 D[USNM 204694]

*Bryopsis pennata* J.V.Lamouroux, 1809 D[Almodóvar & Bonnelly, 1977; HJBSD 11323; MICH 679523; UC1463341]/ H[Taylor, 1943; MICH 679577]

*Trichosolen duchassaingii* (J.Agardh) W.R.Taylor, 1962 H[Taylor, 1933; F C0532327, C0532328, C0532328F, C0532327F; FH 00550354, 00550355, 00550356, 00550357, 00550358; MASS 00381361; MICH 679328, 732441; NBC L.4097894; NCU-A-0002255; NHM BM000688975; NRM A38778, A38779, A38780, A38781; NY 02024870, 02024872, 02024873, 03054899, 03054900; UC 949904, 949906; 1819865, 1819866, 2036714, 2036715; USNM 42491, 164769]<sup>173</sup>

##### Order Bryopsidales

##### Family Caulerpaceae

*Caulerpa chemnitzia* (Esper) J.V.Lamouroux, 1809 D[Rosenberg *et al.*, 1995; MICH 681532; NBC L.4128016]<sup>174</sup>/ H[MICH 681551, 681552, 681553, 681554, 681645; USCH-A-0000177; USNM 68500]<sup>175</sup>

*Caulerpa cupressoides* (Vahl) C.Agardh, 1817 D[Almodóvar & Bonnelly, 1977; DUKE 194582; HJBSD 014821; MEL 2054482A; NY 02116961, 02116962, 02116920; USNM 219642, 60468, 13597258]/ H[Taylor & Arndt, 1929; MICH 680248, 680250, 680312; USCH-A-0000178; USNM 51822<sup>176</sup>, 51824, 204701]

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<sup>171</sup> As *Ralfsia expansa*.

<sup>172</sup> As *Sphacelaria furcigera*.

<sup>173</sup> As *Bryopsis duchassaingii* in F, FH, MASS, NCU, NHM, NY, MICH 679328 and UC 2036714, 2036715.

<sup>174</sup> As *Caulerpa racemosa* var. *peltata*.

<sup>175</sup> *Caulerpa racemosa* f. *occidentalis* in USCH. *Caulerpa racemosa* var. *occidentalis* in USNM. *Caulerpa racemosa* var. *peltata* in MICH.

<sup>176</sup> As *Caulerpa cupressoides* var. *typica*.

*Caulerpa cupressoides* var. *flabellata* Børgesen, 1907 H[USNM 13931]  
*Caulerpa cupressoides* var. *lycopodium* Weber Bosse, 1898 D[MICH 680194; USNM 219629]/ H[MICH 680195]  
*Caulerpa cupressoides* var. *mamillosa* (Montagne) Weber-van Bosse, 1898 H[Taylor, 1943; MICH 680196; USNM 13930]  
*Caulerpa cupressoides* var. *turneri* Weber Bosse, 1898 D[NBC L.4135220]  
*Caulerpa elongata* Weber Bosse, 1898 D[USNM 13597252]  
*Caulerpa fastigiata* Montagne, 1837 H[Taylor, 1933; DUKE 194604; MICH 680473; USNM 51849]  
*Caulerpa lanuginosa* J.Agardh, 1873 D[Almodóvar & Bonnelly, 1977; NY 02117211; UC1110563; USNM 32186, 13597259]  
*Caulerpa mexicana* Sonder ex Kützing, 1849 D[Almodóvar & Álvarez, 1978; HJBSD 014906; NY 02117261; USNM 219684, 219685, 13597261]/ H[Taylor, 1940<sup>177</sup>; MICH 680742]  
*Caulerpa microphysa* (Weber Bosse) Feldmann, 1955 D[Williams *et al.*, 1983; BR5010097088725V]/ H[USNM 13940]  
*Caulerpa paspaloides* (Bory de Saint-Vincent) Greville, 1830 D[Almodóvar & Álvarez, 1978]  
*Caulerpa paspaloides* var. *compressa* (Weber Bosse) M.Howe, 1920 D[USNM 219707]  
*Caulerpa prolifera* (Forsskål) J.V.Lamouroux, 1809 D[Almodóvar & Álvarez, 1978; BR5010097428781V; NY 02117483; UC1462592; USNM 219737, 13597256]  
*Caulerpa racemosa* (Forsskål) J.Agardh, 1873 D[Børgesen, 1924; DUKE 194912; HJBSD 014823; INat 31598762; MICH 681718, 681759, 681760, 681761; NBC L.4109917, L.4128242; NY 02117554, 02117737, 02117562; USNM 55416, 51941, 60304]<sup>178</sup>/ H[Taylor & Arndt, 1929; DUKE 194839; MICH 681207, 681686, 681743, 681744, 681758; USCH-A-0000175, A-0000176; USNM 13953, 33893, 51937]<sup>179</sup>  
*Caulerpa serrulata* (Forsskål) J.Agardh, 1837 D[Williams *et al.*, 1983; USNM 219788]  
*Caulerpa sertularioides* (S.G.Gmelin) M.Howe, 1905 D[Børgesen, 1924<sup>180</sup>; DUKE 194959, 194960, 195002; F C0532980, FH00887529; HJBSD 014822; MICH 682108; NBC L.4120430, L.4128262, L.4128274; NY 02117392, 02117957, 02117895, 02117958; UC1260940, 1463358; USNM 52025, 219802, 227409]<sup>181</sup>/ H[Taylor & Arndt, 1929; F C0533027F, C0533028F; FH00887720, 00887721, 00887722, 00887723; LD 2005300; MICH 682009, 682032, 682033, 682076; NY 02117908, 02117915, 02117918; UC677078, 677018, 1820422; USNM 13954, 34990, 52038, 68830]<sup>182</sup>  
*Caulerpa sertularioides* f. *brevipes* (J.Agardh) Svedelius, 1906 H[BISH 543211; DUKE 194997; FH00887751, 00887752; MICH 682254, 682258, 682273, 682274; NBC L.4120585, L.4120586; NY 03055293, 03055294; USCH-A-0000563<sup>183</sup>; USNM 52030, 68787]  
*Caulerpa sertularioides* f. *farlowii* (Weber Bosse) Børgesen, 1907 D[USNM 60306]  
*Caulerpa taxifolia* (M.Vahl) C.Agardh, 1817 D[Almodóvar & Bonnelly, 1977; HJBSD 014824; MICH 622238; NY 02118112, 02118083; UC1462572, 1462571]/ H[FH00887794, 00887795, 00887796, 00887797, 00887802]  
*Caulerpa verticillata* J.Agardh, 1847 D[Almodóvar & Bonnelly, 1977; DUKE 200847; NY 02118196; UC1260933; USNM 60284]/ H[Taylor & Arndt, 1929; DUKE 200867; MICH 682607; USNM 52078]

#### Family Codiaceae

*Codium decorticatum* (Woodward) M.A.Howe, 1911 D[Almodóvar & Bonnelly, 1977]  
*Codium dichotomum* S.F.Gray, 1821 H[Taylor, 1943; USNM 33891, 41645; 70952; WNC-A-0006808, WNC-A-0006809]  
*Codium intertextum* Collins & Hervey, 1917 D[Almodóvar & Bonnelly, 1977; DUKE 195755; NY 02131027; NBC L.4121300; UC1450569, 1260942; USNM 60295]/ H[Taylor, 1933; MICH 726548; USNM 52682]  
*Codium isthmocladum* Vickers, 1965 D[Almodóvar & Bonnelly, 1977; DUKE 195759, 195760, 195817; HJBSD 014819; MICH 726742; NBC L.4121354, L.4121376; NY 02131053, 02131101, 02131049,

<sup>177</sup> As *Caulerpa crassifolia*.

<sup>178</sup> *Caulerpa racemosa* var. *clavifera* in USNM 51941; *Caulerpa racemosa* var. *racemosa* in MICH.

<sup>179</sup> *Caulerpa racemosa* var. *racemosa* in MICH except MICH 681207.

<sup>180</sup> As *Caulerpa plumosa*.

<sup>181</sup> As *Caulerpa plumaris* in F, NY 02117392 and USNM 52025.

<sup>182</sup> As *Caulerpa plumaris* in LD.

<sup>183</sup> As *Caulerpa sertularioides* var. *longipes*.

02131051; UC1462594, 1260944, 1463381, 1450585; USNM 48514, 60292, 60472]/ H[Taylor, 1933; BISH 544920, 544921, 544922; DUKE 195757; F Co533329F, Co533328F, Co533330F; FH00891266, 00891267, 00891268; MICH 726649, 726668, 726669, 726738, 726739, 726740; NBC L.4121368, L.4121370, L.4121371; NY 02131084, 02131122, 02131136, 02131137, 02131138, 03205977, 03205978, 03205979; UC677054, 677047, 1819442, 1819443, 1819444, 677050; USCH-A-0000737; USNM 52694, 52696, 52698, 52714<sup>184</sup>, 206434]

*Codium repens* P.Crouan & H.Crouan, 1905 D[Almodóvar & Bonnelly, 1977; DUKE 195925; NY 02131290]/ H[USNM 58440, 204764]

*Codium taylorii* P.C.Silva, 1960 D[Almodóvar & Bonnelly, 1977; DUKE 195945; HJBSD 014815; NBC L.4121539; NY 02131225; USNM 60473]

#### Family Derbesiaceae

*Derbesia vaucheriiformis* (Harvey) J.Agardh, 1887 D[Almodóvar & Álvarez, 1978; DUKE 196042; NBC L.4140982; NY 02131554; UC 1462596; USNM 60476]

#### Family Dichotomosiphonaceae

*Avrainvillea asarifolia* Børgesen, 1909 D[Littler & Littler, 1992; NY 02024248; UC1110561, 1260946; USNM 55405, 60296]

*Avrainvillea digitata* D.S.Littler & M.M.Littler, 1992 H[USNM 51616]

*Avrainvillea elliotii* A.Gepp & E.S.Gepp, 1911 D[Chiappone *et al.*, 2001; NY 02024268]

*Avrainvillea levis* M.A.Howe, 1905 D[NY 02024295]/ H[Taylor, 1943; FH00550133; MICH 678446; USNM 51604]

*Avrainvillea longicaulis* (Kützting) G.Murray & Boodle, 1889 D[Almodóvar & Álvarez, 1978; MICH 678546, 678553; NBC L.4123912, L.4123913]

*Avrainvillea nigricans* Decaisne, 1842 D[Almodóvar & Bonnelly, 1977; DUKE 206779; HJBSD 014708; NBC L.4123938, L.4123939; NY 02024363; USNM 218577]

*Avrainvillea rawsonii* (Dickie) M.A.Howe, 1907 D[Almodóvar & Bonnelly, 1977; DUKE 206791; NBC L.4123951; NY 02024455; UC1260945; USNM 60297]/ H[Taylor, 1933; BISH 541008; F Co533209F, Co533210F, Co549312F; FH00550174, 00550175, 00550178; MICH 678672, 678673, 678723, 678726, 678727; NBC L.4123985, L.4123986; NRM A38644; NY 03054724, 03054725, 03054726, 02024435, 02024459, 02024458; UC1819691, 677064; USNM 8716, 51613, 204682; WNC-A-0006679]

*Cladocephalus luteofuscus* (P.Crouan & H.Crouan) Børgesen, 1909 D[Luczkovich, 1991]

#### Family Halimedaceae

*Halimeda copiosa* Goreau & E.A.Graham, 1967 D[Williams *et al.*, 1983; USNM 219343]

*Halimeda discoidea* Decaisne, 1842 D[Williams *et al.*, 1983; USNM 219313, 219315]/ H[USNM 13981, 13982]

*Halimeda favulosa* M.A.Howe, 1905 D[Williams *et al.*, 1983; USNM 219098, 219314]

*Halimeda goreauii* W.R.Taylor, 1962 D[Rosenberg *et al.*, 1995; USNM 210054, 210055]/ H[UF 173-Chlorophyta; USNM 13992, 204791, 204792]

*Halimeda gracilis* Harvey ex J.Agardh, 1887 D[USNM 219073, 219074]/ H[USNM 13993, 13994]

*Halimeda incrassata* (J.Ellis) J.V.Lamouroux, 1816 D[Almodóvar & Bonnelly, 1977; DUKE 201713; FH 01027736; HJBSD 11282; MNHN-PC0597536, PC0548730, PC-PC0548730; NY 02132107, 02132108, 02132684, 02132701; YU.246474]<sup>185</sup>/ H[Taylor & Arndt, 1929; MICH 728728, 728730, 728731, 728736, 728739, 728805; MNHN-PC0608083, PC0608084, PC0548726; USNM 53445, 69896]

*Halimeda monile* (J.Ellis & Solander) J.V.Lamouroux, 1816 D[Almodóvar & Bonnelly, 1977; DUKE 201733; HJBSD 11283; NY 02132206, 02132250; USNM 60288, 60493, 219109]<sup>186</sup>/ H[Taylor & Arndt, 1929; F Co526874, Co526874F; FH01027773; MICH 729059, 729060, 729061, 729062, 729063, 729064; MNHN-PC0504495; NY 02346412, 03466739; UC677008; USCH-A-0000180; USNM 53484; 69169]

<sup>184</sup> As *Codium pilgeri*.

<sup>185</sup> *Halimeda tridens* in NY 02132684, 02132701.

<sup>186</sup> Verbruggen and Kooistra (2004) used Dominican specimens of *Halimeda monile* and also *Halimeda opuntia* in the morphological characterization of lineages within the genus.

*Halimeda opuntia* (Linnaeus) J.V.Lamouroux, 1816 D[Børgesen, 1924; DUKE 201849, 201863; F C0533486F; FH01027813, 01027823, 01027824; HJBSD 014746; MGC 2186-1; MICH 737279; MNHN-PC-PC0597575; NBC L.4091533, L.4091581; NY 02132321, 02132331, 02132371, 02132441, 02132451, 02132452, 02132511, 03466762; UC1457473; USNM 53496, 55417, 60294, 69200, 210264, 210265, 219155; YPM:YU.246488] / H[Taylor & Arndt, 1929; BISH 547801, 547791; DUKE 201811; F C0533484F, C0533485F; FH01027811, 01027812; MICH 729182, 729187, 729189, 729190, 729288, 729289, 729290, 729358, 729361; MNHN-PC0608070; NBC L.4091645, L.4128844, L.4128849; NY 02132461, 02132458, 03466760, 03466761; PH00205256; UC1827157, 1827159, 677066, 677065; USCH-A-0000567; USNM 14004, 53489, 53491, 69173, 69174; WNC-A-0006813]

*Halimeda simulans* M.A.Howe, 1907 D[Almodóvar & Álvarez, 1978; USNM 210272, 210273, 210274, 219143]/H[Taylor & Arndt, 1929; MICH 729617; USCH-A-0000179; USNM 14005, 14006]

*Halimeda tuna* (J.Ellis & Solander) J.V.Lamouroux, 1816 D[Børgesen, 1924; DUKE 201757, 201756; HJBSD 014787; INat 34794837; MICH 729753; NY 02132800, 02132799; UC 1260941; USNM 60301, 60302, 210308, 210309, 210310]<sup>187</sup>/ H[Taylor & Arndt, 1929; MICH 729715; USNM 14007, 53561, 204818, 204819, 204820]

#### Family Ostreobiaceae

*Ostreobium queckettii* Bornet & Flahault, 1889 D[Børgesen, 1924]/ H[Taylor, 1960]

#### Family Rhipiliaceae

*Rhipilia tomentosa* Kützing, 1858 D[Almodóvar & Álvarez, 1978; UC1462612; NY 02134127; USNM 60508]

*Rhipiliopsis profunda* (Eiseman & S.Earle) J.N.Norris & S.Blair, 1991 H[Little *et al.*, 1999]

#### Family Udoteaceae

*Penicillus capitatus* Lamarck, 1813 D[Almodóvar & Bonnelly, 1977; DUKE 202222; FH01033334, 01033349, 01033353; HJBSD 014747; INat 3818301; MGC 2190-1; NBC L.3997828; NY 02133702; UC1260943, 1497676; USNM 60300, 69727, 219042; YU.086008]/ H[Taylor, 1933; F C0532799, C0532799F, C0532800, C0532800F, C0532801, C0532801F; FH01033350, 01033351, 01033352; MICH 730712, 730716, 730744, 730745, 730748, 730752, 730785; NBC L.3997785; NY 02133669, 02133678, 02133695, 03467214, 03467215, 03467216; UC1827588, 1827603, 2037726, 677022, 677023, 949902; USNM 14024, 54048, 69725, 69726, 69754, 204842; WNC-A-0006680]

*Penicillus dumetosus* (J.V.Lamouroux) Blainville, 1830 D[Almodóvar & Bonnelly, 1977; DUKE 202148, 202147; NBC L.3997868; NY 02133770, 02133771; UC1462611; USNM 60507]/ H[; MICH 730961, 730963; USCH-A-0000739; USNM 14033]

*Penicillus dumetosus* f. *expansus* Børgesen, 1913 D[Williams *et al.*, 1983; USNM 219018]

*Penicillus pyriformis* A.Gepp & E.S.Gepp, 1905 D[Williams *et al.*, 1983; HJBSD 09812; USNM 219007, 219008]/H[Taylor & Arndt, 1929; DUKE 202372; MICH 731036, 731066; USCH-A-0000738; USNM 54017]

*Rhipocephalus phoenix* (J.Ellis & Solander) Kützing, 1843 D[Børgesen, 1924; INat 22511740, 22511764; USNM 218837, 218838]/H[Taylor, 1933; MICH 731517; USNM 54227, 204894]

*Udotea conglutinata* (J.Ellis & Solander) J.V.Lamouroux, 1816 D[Børgesen, 1924; USNM 218790]/ H[Taylor, 1960]

*Udotea cyathiformis* Decaisne, 1842 D[Almodóvar & Bonnelly, 1977; USNM 218770]/ H[Littler & Littler, 1990; USNM 14054, 14055]

*Udotea cyathiformis* f. *sublittoralis* (W.R.Taylor) D.S.Littler & Littler, 1990 D[Álvarez & Bonnelly, 1978]<sup>188</sup>

*Udotea dixonii* D.S.Littler & Littler, 1990 D[USNM 210410]/ H[Littler & Littler, 1990]

*Udotea dotyi* D.S.Littler & M.M.Littler, 1990 H[Littler & Littler, 1990; USNM 14068]

*Udotea fibrosa* D.S.Littler & M.M.Littler, 1990 H[Littler & Littler, 1990]

*Udotea flabellum* (J.Ellis & Solander) M.Howe, 1904 D[Børgesen, 1924; DUKE 202706; HJBSD 014785; MGC 2191-1; NBC L.3998807; NY 02112248; UC1450565; USNM 48511, 54747, 154497, 218746; WNC-A-0000506]/ H[Taylor & Arndt, 1929; DUKE 202687; F C0532718, C0532718F; MICH

<sup>187</sup> *Halimeda tuna* f. *platydisca* in NY and INat.

<sup>188</sup> As *Udotea sublittoralis*.

732702, 732779, 732794; NBC L.3998827; NY 02112153, 03557573; PH00212217; uC1828214, 677038; USNM 14067, 14070, 54749, 54750, 54752, 70153]  
*Udotea occidentalis* A.Gepp & E.S.Gepp, 1911 D[Luczkovich, 1991]  
*Udotea spinulosa* M.A.Howe, 1909 D[Chiappone *et al.*, 2001]  
*Udotea wilsonii* A.Gepp, E.S.Gepp & M.A.Howe, 1911 D[Chiappone *et al.*, 2001]

#### Order Cladophorales

##### Family Anadyomenaceae

*Anadyomene lacerata* D.S.Littler & M.M.Littler, 1991 H[USNM 8713; 204617]  
*Anadyomene saldanhae* A.B.Joly & E.C.Oliveira, 1969 D[Littler & Littler, 1991]/ H[USNM 13914]  
*Anadyomene stellata* (Wulfen) C.Agardh, 1823 D[Børgesen, 1924; BR5010091366676V, 5010091367703V; DUKE 206731; FH00550103, 00550119; HJBSD 014358; NBC L.4124736; NY 02024116, 02024162, 02024186, 02024187; UC 1260935; USNM 60287, 51549; YPM: YU.243682<sup>189</sup>]/ H[Taylor, 1933; BISH 540856; FH00550095; MICH678223, 678333, 678230, 678231, 678228, 678289, 678332; NBC L.4124719; NY 0704200, 02024200 03054694; UC 1819626, 1819628, 677077; USNM 8712, 8714, 51579, 68478, 68481; WNC-A-0006670]  
*Microdictyon umbilicatum* (Velley) Zanardini, 1862 D[Williams *et al.*, 1983; MICH 729979; USNM 218974, 218978]/ H[USNM 14015]<sup>190</sup>

##### Family Boodleaceae

*Boodlea* sp. D[USNM 13597266]

*Cladophoropsis membranacea* (Hofman Bang ex C.Agardh) Børgesen, 1905 D[Almodóvar & Bonnelly, 1977; DUKE 195422, 195689, 195690; FH 00891031; HJBSD 014728; MICH 725551, 725552; NBC L.4102416, L.4102423, L.4102424, L.4102427 NY 02129577, 02129599, 02129750, 02130542, 02130552, 02130554, 03205735, 03205736; USNM 48520, 52476, 60298, 60303, 60619, 70168; YU.244401]<sup>191</sup>/ H[Taylor & Arndt, 1929; BISH 544617, 544618, 544620; NBC L.4102463, L.4102464, L.4102465, L.4102467; MICH 725531, 725541, 725542, 725543, 725544, 725632, 725705, 725706, 725707, 725708, 725709, 725710; NY 02129594, 02129604, 02129669, 02129761, 03205729, 03205730, 03205731, 03205732, 03205733, 03205734; USNM 217060, 217061, 217069, 217070, 217071, 217072]<sup>192</sup>

*Phyllodictyon anastomosans* (Harvey) Kraft & M.J.Wynne, 1996 D[MICH 731151]

##### Family Cladophoraceae

*Chaetomorpha aerea* (Dillwyn) Kützing, 1849 H[Taylor, 1960; MICH 682886; NY 02118436]  
*Chaetomorpha antennina* (Bory) Kützing, 1847 D[Almodóvar & Bonnelly, 1977; DUKE 201041, 201042; HJBSD 11341; MICH 683053; NBC L.4109825, L.4140254, L.4140289; NY 02118992; USNM 60281]<sup>193</sup>/ H[Taylor, 1943; BISH 543607, 543609; F C0528658F, C0528658, C0528657F, C0528657; MICH 683079, 683067, 683080, 683068, 683078; NBC L.4140304, L.4140305; NY 02118553, 03056332, 02118575, 03056331; UC 677007, UC676997; USNM 01066514, 199152, 216943, 216944, 216945]  
*Chaetomorpha brachygona* Harvey, 1858 D[Almodóvar & Bonnelly, 1977; HJBSD 11339]/ H[Taylor & Arndt, 1929; BISH 543533; DUKE 200956; F C0528670F, C0528670; MICH 683094, 683092, 683099, 683093, 683128, 683132; NBC L.4129424; NY 02118628, 02118633, 03056453; UC 677142, 1820771; USNM 216949, 216950]  
*Chaetomorpha clavata* Kützing, 1847 D[Børgesen, 1924]/ H[Taylor & Arndt, 1929; BISH 543539; F C0528677F, C0528677; MICH 683177, 683180, 683185, 683188; NBC L.4129509; NRM A39370; NY 03056365; UC 1820802; USNM 216956, 51299; WNC-A-0006683]  
*Chaetomorpha crassa* (C.Agardh) Kützing, 1845 D[Almodóvar & Bonnelly, 1977]  
*Chaetomorpha geniculata* Montagne, 1856 H[Taylor, 1943; BISH 543575; MICH 682775, 682779; NBC L.4129674; UC1820831; USNM 216957]  
*Chaetomorpha gracilis* Kützing, 1845 D[HJBSD 11340]/H[Taylor & Arndt, 1929; MICH 683218, 683232; USNM 52114]

<sup>189</sup> As *Anadyomene flabellata*.

<sup>190</sup> As *Microdictyon boergesenii*.

<sup>191</sup> As *Cladophora membranacea* in NY 02129577, 02129599, 02129750, 03205735, 03205736 and YU.

<sup>192</sup> As *Cladophora membranacea* in NY.

<sup>193</sup> As *Chaetomorpha media* in Taylor (1943), NY 02118992 and USNM 60281.

*Chaetomorpha linum* (O.F.Müller) Kützing, 1845 D[Álvarez & Bonnelly, 1978]/ H[Taylor & Arndt, 1929; F Co528686F, Co528686, Co528685F, Co528685; MICH 682886, 683360; NY 02118436, 02118864, 03056374, 02118862, 03056373; USNM 216965]

*Cladophora albida* (Nees) Kützing, 1843 H[Taylor, 1933]

*Cladophora catenata* (Linnaeus) Kützing, 1843 D[DUKE 195347, 195348, 195360; NBC L.4121046, L.4121071, L.4121072, L.4121076; NY 02025524; UC1462593, 1260934, 1110562, 1450563]/ H[MICH 684372, 684373, 684387, 684405, 684454, 684460; NBC L.4121052; UC677039, 1822407; USNM 216999, 217000, 217001]

*Cladophora coelothrix* Kützing, 1843 D[FH 00889785<sup>194</sup>]

*Cladophora crispula* Vickers, 1905 D[Børgesen, 1924]/H[Taylor & Arndt, 1929; MICH 684569]

*Cladophora dalmatica* Kützing, 1843 H[MICH 684581, 684582]

*Cladophora fracta* (O.F.Müller ex Vahl) Kützing, 1843 H[USNM 52351, 52352]

*Cladophora fuliginosa* Kützing, 1849 D[Børgesen, 1924; FH 00893910; HJBSD 08729; NY 02026282, 02026272, 02026274; USNM 48518, 60289, 60471, 150518; WNC-A-0000779]/ H[Taylor & Arndt, 1929; USNM 33006]

*Cladophora glomerata* (Linnaeus) Kützing, 1843 D[USNM 150647]/ H[NBC L.4122312, L.4132637; NY 02128915, 02128925, 02129150; USNM 69817, 69818, 69819]

*Cladophora glomerata* var. *crassior* (C.Agardh) C.Hoek, 1963 H[Taylor, 1960; ABRU00005106; LD.2015267; MICH 684049; 684798, 684875; MSC 0181914; MU 000210324; NY 02344176; USNM 43687; USP 5911; YU.095573]<sup>195</sup>

*Cladophora lehmanniana* (Lindenberg) Kützing, 1843 H[Taylor, 1960<sup>196</sup>; MICH 684944, 684945]

*Cladophora prolifera* (Roth) Kützing, 1843 D[Rosenberg *et al.*, 1995]

*Cladophora sericea* (Hudson) Kützing, 1843 H[FH00889098; MICH 684776, 684784; NY 02026296; USNM 217042, 52363]<sup>197</sup>

*Cladophora socialis* Kützing, 1849 H[NY 02130391]

*Cladophora submarina* P.Crouan & H.Crouan, 1865 H[Taylor, 1943<sup>198</sup>; MICH 684249; USNM 217043]

*Cladophora vagabunda* (Linnaeus) Hoek, 1963 D[Almodóvar & Bonnelly, 1977; DUKE 195548, 195489, 195498; HJBSD 11407; NBC L.4103161; NY 02025934, 02025938, 02026034, 02026056; UC1450562, 1260938; USNM 48519, 60282, 60299]<sup>199</sup>/ H[Taylor & Arndt, 1929; BISH 544525, 544581; DUKE 195497; F FC0530355, FC0530355F; MICH 725286, 725287, 725288, 725289, 725309, 725417, 725418, 725419, 725420, 725421, 725447; NBC L.4103147, L.4103168; NY 02025893, 02025897, 02025900, 02025902, 02025911, 03056881, 03060512, 03060513, 03060514; UC677040, 677062, 1822442, 1822441, 1822416; USNM 52337, 52338, 52342, 52344, 60299, 69476, 69477, 69480, 69481, 69482, 69483, 217050, 217051, 217052]<sup>200</sup>

*Pseudorhizoclonium africanum* (Kützing) Boedeker, 2016 D[Almodóvar & Bonnelly, 1977; DUKE 202343; NY 02134417]<sup>201</sup>

*Rhizoclonium hieroglyphicum* (C.Agardh) Kützing, 1845 D[UC689104; USNM 153144]

*Rhizoclonium riparium* (Roth) Harvey, 1849 D[Børgesen, 1924]/ H[Taylor, 1960]<sup>202</sup>

*Willella brachyclados* (Montagne) M.J.Wynne, 2016 H[FH00893749; NY 02025876, 02025883]<sup>203</sup>

#### Family Siphonocladaceae

*Chamaedoris peniculum* (J.Ellis & Solander) Kuntze, 1898 D[Almodóvar & Bonnelly, 1977; DUKE 201076; FH 00893379<sup>204</sup>; NY 02137386; USNM 52222, 60285; YPM: YU.243543]<sup>205</sup>/ H[Taylor & Arndt, 1929; MICH 683673; USNM 52221, 68928]

<sup>194</sup> As *Cladophora repens*.

<sup>195</sup> As *Cladophora crispata* in Taylor (1960), ABRU, LD, MICH 684049, NY 02344176; USNM, USP 5911 and YPM.

<sup>196</sup> As *Cladophora utriculosa*.

<sup>197</sup> As *Cladophora glaucescens* in FH, MICH, NY and USNM 52363.

<sup>198</sup> As *Cladophora howei*.

<sup>199</sup> As *Cladophora fascicularis* in Almodóvar and Bonnelly (1977) HJBSD, NY and USNM.

<sup>200</sup> As *Cladophora fascicularis* in Taylor and Arndt (1929), BISH, NY and USNM 52337, 52338, 52342, 52344, 60299, 69476, 69477, 69480, 69481, 69482, 69483; *Cladophora mauritiana* in F and NY 03056881.

<sup>201</sup> As *Rhizoclonium hookeri* in Almodóvar and Bonnelly (1977) and NY; *Rhizoclonium africanum* in DUKE.

<sup>202</sup> As *Rhizoclonium kernerii*.

<sup>203</sup> As *Cladophora delicatula*.

<sup>204</sup> As *Chamaedoris annulata*.



*Dictyosphaeria cavernosa* (Forsskål) Børgesen, 1932 D[Almodóvar & Bonnelly, 1977; DUKE 201278, 201279; HJBSD 014761; MICH 621468, 621469, 621471, 621472; NBC L.3941322, L.3941323; NY 02131683, 02131679; UC1460913, 1460914; USNM 60305, 60307, 209942]/ H[Taylor & Arndt, 1929; F Co577203F; FH00891605; MICH 727472, 727473, 727474, 727475, 727476, 727500, 727501, 727564, 727578; NBC L.0276832; NY 02131625, 03242139; UC1826192, 677069; USNM 13971, 52970, 52974, 52990, 68990, 68991, 68994]<sup>206</sup>

*Dictyosphaeria ocellata* (M.A.Howe) Olsen-Stojkovich, 1985 D[BR5010098881769V; MICH 727704]/ H[Taylor & Arndt, 1929; MICH 727701, 727702, 727703, 727714; NBC L.4136142; NY 03558426, 02140887; UC 677068, 1828834; USNM 70860, 70867, 70868]<sup>207</sup>

*Dictyosphaeria versluysii* Weber-van Bosse, 1905 H[MICH 727743]

*Siphonocladus tropicus* (P.Crouan & H.Crouan) J.Agardh, 1887 D[Almodóvar & Bonnelly, 1977; DUKE 202430; HJBSD 09705; NY 02134689; UC 1450566; USNM 48515, 153450, 218865; WNC-A-0000734]<sup>208</sup>

#### Family Valoniaceae

*Ernodesmis verticillata* (Kützing) Børgesen, 1912 D[Díaz-Piferrer, 1978; BR5010098613698V; HJBSD 014820; MICH 727971; NBC L.4088397]/ H[FH01027548; MICH 728010; NY 02131832; USNM 13977, 53355]

*Valonia aegagropila* C.Agardh, 1823 D[Børgesen, 1924]/ H[Taylor & Arndt, 1929; MICH 735461, 735462; USNM 70801, 70797]

*Valonia macrophysa* Kützing, 1843 D[Børgesen, 1924; HJBSD 09813]/ H[Taylor & Arndt, 1929; F Co528382F; MICH 735605, 735645]

*Valonia ventricosa* J.Agardh, 1887 D[Børgesen, 1924; HJBSD 014811; INat 25852038, 27862544, 31600223, 31600372, 33664816, 34797490, 36847700, 39839160; MICH 735807]/ H[Taylor & Arndt, 1929; DUKE 202958; F Co528392F; INat 36826597; MICH 735731, 735734, 735739; NY 02140949, 03558409; UC2038802, 949905, 1828855; USNM 70891, 70892, 70893, 70897]

*Valoniopsis pachynema* (G.Martens) Børgesen, 1934 H[Taylor, 1933]<sup>209</sup>; MICH 735836]

#### Order Dasycladales

##### Family Dasycladaceae

*Batophora oerstedii* J.Agardh, 1854 D[Almodóvar & Álvarez, 1978]/H[Taylor, 1960; ABRU00005108; CHR0012712; GMS8321; NBC L.4124030; MICH 678787, 678790, 678802; NY 02024499, 02024500, 02024501, 02024542, 02344178; USNM 34062, 68551, 68552, 68544; YU.095575]

*Batophora occidentalis* (Harvey) S.Berger & Kaever ex M.J.Wynne, 1998 H[F Co535807F; MICH 678844, 678850]<sup>210</sup>

*Cymopolia barbata* J.V.Lamouroux, 1816 D[Murray, 1889; BR5010098883824V, 5010098885880V, 5010098884852V; DUKE 196001; FH00891482, 00891488; HJBSD 014827; MICH 727181; NY 02131361, 02131371; UC1260936; USNM 52927, 60286]/ H[Taylor, 1933; DUKE 195977; F Co535656F; FH00891491; MICH 727211, 727158, 727183, 727182, 727212; NY 03206166, 02131385; USCH-A-0000569; USNM 71577, 71563, 52926, 52929]

*Dasycladus vermicularis* (Scopoli) Krasser, 1898 D[Almodóvar & Bonnelly, 1977; BR5010098934830V; DUKE 196004, 196005, 196006; NBC L.4098231, L.4098232, L.4098233; NY 02131480, 02131479, 02131481, 02131475; UC1260924, 1462577, 1462576, 1452575; USNM 60290, 60474, 60475, 219373]/ H[Taylor, 1933; MICH 727266; USNM 52945]

*Neomeris annulata* Dickie, 1874 D[Børgesen, 1924]/ H[Taylor, 1960]

#### Family Polyphysaceae

*Acetabularia calyculus* J.V.Lamouroux, 1824 D[Almodóvar & Álvarez, 1978]

<sup>205</sup> Leliaert *et al.* (2007) in their review of the genus *Chamaedoris* include samples from Puerto Plata and Río San Juan, Dominican Republic.

<sup>206</sup> As *Dictyosphaeria favulosa* in Taylor and Arndt (1929) and USNM 52970, 52974, 68990, 68991, 68994.

<sup>207</sup> As *Valonia ocellata* in Taylor and Arndt (1929), NBC, NY, UC and USNM.

<sup>208</sup> Leliaert *et al.* (2003) use Dominican material in the study of the phylogeny of the Cladophorophyceae.

<sup>209</sup> As *Valonia pachynema*.

<sup>210</sup> As *Batophora oerstedii* var. *occidentalis*.

*Acetabularia* subg. *Acicularia crenulata* J.V. Lamouroux, 1816 D[Børgesen, 1924<sup>211</sup>; DUKE 206675; HJBSD 014825; INat 14857951; MICH 677834, 677851; NY 02023875; USNM 51582]/ H[Taylor & Arndt, 1929<sup>212</sup>; FH00550032, 00550031; MICH 677761, 677799, 677808; NY 02023891, 02023890; USNM 51581, 51583, 68464, 68465]

*Acetabularia schenckii* Möbius, 1889 D[Børgesen, 1924]/ H[Taylor, 1960]<sup>213</sup>

#### Order Ulvales

##### Family Kornmanniaceae

*Blidingia marginata* (J.Agardh) P.J.L.Dangeard ex Bliding, 1963 D[USNM 151372; MICH 622181]/ H[Taylor, 1960]<sup>214</sup>

*Pseudendoclonium marinum* (Reinke) Aleem & E.Schulz, 1952 H[Taylor, 1933]<sup>215</sup>

##### Family Phaeophilaceae

*Phaeophila dendroides* (P.Crouan & H.Crouan) Batters, 1902 D[Børgesen, 1924<sup>216</sup>]/ H[Taylor, 1960]

*Phaeophila vagans* (Børgesen) R.Nielsen, 1972 D[Børgesen, 1924<sup>217</sup>]

##### Family Ulvaceae

*Ulva chaetomorphoides* (Børgesen) H.S.Hayden, Blomster, Maggs, P.C.Silva, Stanhope & Waaland, 2003 D[Almodóvar & Bonnelly, 1977]<sup>218</sup>

*Ulva clathrata* (Roth) C.Agardh, 1811 H[Taylor, 1933; MICH 733316; USNM 53074]<sup>219</sup>

*Ulva compressa* Linnaeus, 1753 D[NY 02138925, 02138921; USNM 69110]<sup>220</sup>

*Ulva fenestrata* Postels & Ruprecht, 1840 H[MICH 733730]

*Ulva flexuosa* Wulfen, 1803 D[Luczkovich, 1991; MICH 733885]/ H[Taylor & Arndt, 1929; BISH 545633, 546090, 546094; DUKE 201566; MICH 733932, 733939, 733974, 734092, 734096; NBC L.4139509, L.4155175, L.4155176; NY 02139114, 02139036, 02139035, 03242236, 03242244, 03242245; USNM 53122; 53216, 53217, 69125, 69292, 69293, 69294, 69295, 69296]<sup>221</sup>

*Ulva flexuosa* subsp. *paradoxa* (C.Agardh) M.J.Wynne, 2005 D[Børgesen, 1924<sup>222</sup>]/ H[Taylor & Arndt, 1929]<sup>223</sup>; MICH 733892, 733909, 733910, 733911, 733928, 733930, 733931]

*Ulva intestinalis* Linnaeus, 1753 D[Almodóvar & Álvarez, 1978; NY 02139593; USNM 60484]<sup>224</sup>

*Ulva lactuca* Linnaeus, 1753 D[Børgesen, 1924; DUKE 202648, 202649, 202683, 202885; HJBSD 014763; MICH 734622; NBC L.3935679, L.4144129; NY 02140053, 02139963; UC1460911, 1460912, 1450588; USNM 48499, 60283, 60291, 60293, 154594; WNC-A-0001218]<sup>225</sup>/ H[Taylor, 1933; DUKE 202900; F C0527133, C0527133F; MICH 734616, 734619; NBC L.3935665; NY 02139941, 03558146; UC677034, 1828367; USNM 54911]<sup>226</sup>

*Ulva linza* Linnaeus, 1753 D[UC 1450588, 1460911, 1460912]

*Ulva prolifera* O.F.Müller, 1778 H[MICH 735028]

*Ulva rigida* C.Agardh, 1823 H[Taylor & Arndt, 1929; DUKE 202894; MICH 735234, 735263; NY 02140584; USNM 54995]<sup>227</sup>

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<sup>211</sup> *Acetabularia crenulata*.

<sup>212</sup> As *Acetabulum crenulatum*.

<sup>213</sup> As *Acicularia schenckii*.

<sup>214</sup> As *Enteromorpha marginata*.

<sup>215</sup> As *Protoderma marinum*.

<sup>216</sup> As *Phaeophila floridearum*.

<sup>217</sup> As *Endoderma vagans*.

<sup>218</sup> As *Enteromorpha chaetomorphoides*.

<sup>219</sup> As *Enteromorpha clathrata* in Taylor (1933) and USNM.

<sup>220</sup> As *Enteromorpha compressa*.

<sup>221</sup> As *Enteromorpha flexuosa* in Taylor and Arndt (1929) and USNM69125. *Enteromorpha lingulata* in nbc L.4155175, L.4155176 NY 03242244, 03242245; USNM 53216, 69292, 69293, 69294, 69295, 69296. *Enteromorpha flexuosa* var. *flexuosa* in NBC. See also Taylor (1933).

<sup>222</sup> As *Enteromorpha plumosa*.

<sup>223</sup> As *Enteromorpha plumosa*.

<sup>224</sup> As *Enteromorpha intestinalis*.

<sup>225</sup> As *Ulva fasciata* in UC, USNM and WNC.

<sup>226</sup> As *Ulva fasciata* in F, UC, NY 03558146 and USNM 54911.

<sup>227</sup> As *Ulva lactuca* var. *rigida*.

*Ulva torta* (Mertens) Trevisan, 1842 H[Taylor, 1933<sup>228</sup>]

Family Ulvellaceae

*Ulvella lens* P.L.Crouan & H.M.Crouan, 1859 D[Díaz-Piferrer, 1978]

*Ulvella udoteae* (Borgesen) R.Nielsen, C.J.O'Kelly & B.Wysor, 2013 H[Taylor & Arndt, 1929; MICH 731346<sup>229</sup>]

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<sup>228</sup> As *Enteromorpha torta*.

<sup>229</sup> As *Pringsheimia udoteae*.

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### **Appendix 1. Museum collections**

ABRU. Brown University, Providence, Rhode Island, United States [MHCP]  
BCN. CeDoc of Plant Biodiversity (CeDocBIV), University of Barcelona, Spain  
BISH. Herbarium Pacificum, Bernice P. Bishop Museum, Honolulu, Hawaii [MHP]  
BR. Meise Botanic Garden, Belgium  
CHRB. Rutgers University, Chrysler Herbarium- Macroalgae Collection, United States [MHCP]  
DUKE. Duke University Herbarium Alga Collection, Durham, North Carolina, United States [MHCP]  
F. Field Museum of Natural History, Chicago, Illinois, United States [MHCP]  
FAUO. Ficoteca Antillana de Oriente, Academy of Sciences, Cuba  
FH. Farlow Herbarium, Harvard University, United States [MHCP]  
GB. Herbarium GB, University of Gothenburg, Sweden  
GMS. Hopkins Marine Station, Stanford University, California, United States [MHCP]  
HJBSD. Herbario del Jardín Botánico Nacional, Santo Domingo, Dominican Republic  
INat. iNaturalist Research-grade Observations [GBIF]  
LD. Lund Botanical Museum, Sweden  
MASS. University of Massachusetts [MHCP]  
MEL. Australia's Virtual Herbarium  
MGC. Herbarium of University of Málaga, Spain  
MH. M. Hay & S. Fredericq Haiti collections, Smithsonian's R/V Marsys Resolute Caribbean expeditions.  
MICH. University of Michigan Herbarium, Michigan, United States [MHCP]  
MNHN. Muséum National d'Histoire Naturelle, Paris  
MSC. Michigan State University [MHCP]  
MU. Miami University, United States [MHCP]  
NBC. Naturalis Biodiversity Center, Leiden, Netherlands [GBIF]  
NCU. University of North Carolina at Chapel Hill Herbarium [MHCP]  
NHM Natural History Museum, London, United Kingdom  
NRM. Swedish Museum of Natural History  
NTNU. Algae Herbarium TRH, NTNU University Museum, Norway  
NY. The New York Botanical Garden Herbarium, United States [MHCP]  
PERTH. Australasian Virtual Herbarium (AVH) data from the Western Australian Herbarium  
PH. Drexel University, Academy of Natural Sciences, Philadelphia, United States [MHCP]  
SPF. Herbarium of University of São Paulo, Botanical Institute, Brazil  
TFC Herbaria of Universidad de La Laguna, Canary Islands, Spain  
UC University Herbarium, University of California, Berkeley, United States [MHCP]  
UF. Florida Museum of Natural History, United States  
USCH. University of South Carolina, A. C. Moore Herbarium, United States MHCP]  
USNM. National Museum of Natural History, Smithsonian Institution, Washington, United States  
YPM:YU. Yale University Herbarium, Peabody Museum, New Haven, United States [MHCP]