

Table S2. List of taxa and corresponding number of specimens in all Dinard Herbarium (Total), at the three periods of intensive collection (T1+T2+T3), at T1 (1843-1866), at T2 (1910-1931) and at T3 (1949-1967); taxa are ordered by increasing total number of specimens. Bold font indicates taxa for which all specimens were carefully re-examined by experts of our laboratory (*continued*).

| <i>Taxon name</i>                        | <i>Authority</i>                               | <i>Phylum</i> | <i>Class</i>    | <i>Order</i>   | <i>Family</i>   | <i>Total</i> | <i>T1+T2+T3</i> | <i>T1</i> | <i>T2</i> | <i>T3</i> |
|--|--|---------------|-----------------|----------------|-----------------|--------------|-----------------|-----------|-----------|-----------|
| <i>Cryptopleura ramosa</i>               | (Hudson) L.Newton, 1931                        | Rhodophyta    | Florideophyceae | Ceramiales     | Delesseriaceae  | 37           | 28              | 3         | 22        | 3         |
| <b><i>Chondrus crispus</i></b>           | Stackhouse, 1797                               | Rhodophyta    | Florideophyceae | Gigartinales   | Gigartiniaceae  | 29           | 20              | 1         | 19        | 0         |
| <b><i>Plocamium cartilagineum</i></b>    | (Linnaeus) P.S.Dixon, 1967                     | Rhodophyta    | Florideophyceae | Plocamiales    | Plocamiaceae    | 28           | 22              | 2         | 20        | 0         |
| <i>Fucus vesiculosus</i>                 | Linnaeus, 1753                                 | Ochrophyta    | Phaeophyceae    | Fucales        | Fucaceae        | 25           | 20              | 0         | 17        | 3         |
| <b><i>Palmaria palmata</i></b>           | (Linnaeus) Weber & Mohr, 1805                  | Rhodophyta    | Florideophyceae | Palmariales    | Palmariaceae    | 25           | 22              | 1         | 19        | 2         |
| <b><i>Phycodrys rubens</i></b>           | (Linnaeus) Batters, 1902                       | Rhodophyta    | Florideophyceae | Ceramiales     | Delesseriaceae  | 24           | 16              | 2         | 14        | 0         |
| <i>Rhodophyllis divaricata</i>           | (Stackhouse) Papenfuss, 1950                   | Rhodophyta    | Florideophyceae | Gigartinales   | Cystocloniaceae | 23           | 22              | 3         | 15        | 4         |
| <b><i>Hypoglossum hypoglossoides</i></b> | (Stackhouse) F.S.Collins & Hervey, 1917        | Rhodophyta    | Florideophyceae | Ceramiales     | Delesseriaceae  | 21           | 13              | 1         | 11        | 1         |
| <i>Ulva clathrata</i>                    | (Roth) C.Agardh, 1811 (Kützing)                | Chlorophyta   | Ulvophyceae     | Ulvales        | Ulvaceae        | 21           | 16              | 7         | 2         | 7         |
| <i>Gayralia oxysperma</i>                | K.L.Vinogradova ex Scagel <i>et al.</i> , 1989 | Chlorophyta   | Ulvophyceae     | Ulvales        | Gayraliaceae    | 20           | 17              | 2         | 0         | 15        |
| <b><i>Membranoptera alata</i></b>        | (Hudson) Stackhouse, 1809                      | Rhodophyta    | Florideophyceae | Ceramiales     | Delesseriaceae  | 20           | 14              | 0         | 14        | 0         |
| <i>Griffithsia corallinoides</i>         | (Linnaeus) Trevisan, 1845                      | Rhodophyta    | Florideophyceae | Ceramiales     | Wrangeliaceae   | 19           | 15              | 2         | 12        | 1         |
| <b><i>Halurus flosculosus</i></b>        | (J.Ellis) Maggs & Hommersand, 1993             | Rhodophyta    | Florideophyceae | Ceramiales     | Wrangeliaceae   | 18           | 12              | 2         | 9         | 1         |
| <i>Monosporus pedicellatus</i>           | (Smith) Solier, 1845                           | Rhodophyta    | Florideophyceae | Ceramiales     | Wrangeliaceae   | 18           | 15              | 2         | 12        | 1         |
| <b><i>Callophyllis laciniata</i></b>     | (Hudson) Kützing, 1843                         | Rhodophyta    | Florideophyceae | Gigartinales   | Kallymeniaceae  | 17           | 13              | 3         | 9         | 1         |
| <b><i>Cladostephus spongiosus</i></b>    | (Hudson) C.Agardh, 1817                        | Ochrophyta    | Phaeophyceae    | Sphacelariales | Cladostephaceae | 17           | 10              | 3         | 6         | 1         |
| <b><i>Plumaria plumosa</i></b>           | (Hudson) Kuntze, 1891                          | Rhodophyta    | Florideophyceae | Ceramiales     | Wrangeliaceae   | 17           | 15              | 4         | 10        | 1         |
| <b><i>Apoglossum ruscifolium</i></b>     | (Turner) J.Agardh, 1898                        | Rhodophyta    | Florideophyceae | Ceramiales     | Delesseriaceae  | 16           | 12              | 2         | 10        | 0         |
| <b><i>Calliblepharis ciliata</i></b>     | (Hudson) Kützing, 1843                         | Rhodophyta    | Florideophyceae | Gigartinales   | Cystocloniaceae | 16           | 12              | 1         | 11        | 0         |

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|--|--|---------------|-----------------|------------------|---------------------|--------------|-----------------|-----------|-----------|-----------|
| <b><i>Dictyopteris polypodoides</i></b>    | (A.P.De Candolle)<br>J.V.Lamouroux, 1809                       | Ochrophyta    | Phaeophyceae    | Dictyotales      | Dictyotaceae        | 16           | 9               | 2         | 6         | 1         |
| <i>Dictyota dichotoma</i>                  | (Hudson) J.V.Lamouroux,<br>1809                                | Ochrophyta    | Phaeophyceae    | Dictyotales      | Dictyotaceae        | 16           | 16              | 1         | 15        | 0         |
| <b><i>Dumontia contorta</i></b>            | (S.G.Gmelin) Ruprecht,<br>1850                                 | Rhodophyta    | Florideophyceae | Gigartinales     | Dumontiaceae        | 16           | 11              | 2         | 9         | 0         |
| <b><i>Heterosiphonia plumosa</i></b>       | (J.Ellis) Batters, 1902  | Rhodophyta    | Florideophyceae | Ceramiales       | Dasyaceae           | 16           | 12              | 1         | 11        | 0         |
| <b><i>Kallymenia reniformis</i></b>        | (Turner) J.Agardh, 1842  | Rhodophyta    | Florideophyceae | Gigartinales     | Kallymeniaceae      | 16           | 13              | 1         | 6         | 6         |
| <i>Nitophyllum punctatum</i>               | (Stackhouse) Greville,<br>1830                                 | Rhodophyta    | Florideophyceae | Ceramiales       | Delesseriaceae      | 16           | 11              | 2         | 6         | 3         |
| <b><i>Padina pavonica</i></b>              | (Linnaeus) Thivy, 1960   | Ochrophyta    | Phaeophyceae    | Dictyotales      | Dictyotaceae        | 16           | 12              | 2         | 10        | 0         |
| <i>Pterothamnion plumula</i>               | (J.Ellis) Nägeli, 1855   | Rhodophyta    | Florideophyceae | Ceramiales       | Ceramiaceae         | 16           | 13              | 4         | 9         | 0         |
| <b><i>Sphaerococcus coronopifolius</i></b> | Stackhouse, 1797   | Rhodophyta    | Florideophyceae | Gigartinales     | Sphaerococcaceae    | 16           | 11              | 1         | 9         | 1         |
| <b><i>Bonnemaisonia asparagoides</i></b>   | (Woodward) C.Agardh,<br>1822                                   | Rhodophyta    | Florideophyceae | Bonnemaisoniales | Bonnemaisoniaceae   | 15           | 12              | 1         | 9         | 2         |
| <b><i>Delesseria sanguinea</i></b>         | (Hudson) J.V.Lamouroux,<br>1813                                | Rhodophyta    | Florideophyceae | Ceramiales       | Delesseriaceae      | 15           | 12              | 3         | 9         | 0         |
| <b><i>Gastroclonium ovatum</i></b>         | (Hudson) Papenfuss, 1944                                       | Rhodophyta    | Florideophyceae | Rhodymeniales    | Champiaceae         | 15           | 9               | 2         | 7         | 0         |
| <i>Gracilariopsis longissima</i>           | (S.G.Gmelin) M.Steentoft,<br>L.M.Irvine &<br>W.F.Farnham, 1995 | Rhodophyta    | Florideophyceae | Gracilariales    | Gracilariaceae      | 15           | 9               | 1         | 8         | 0         |
| <i>Lomentaria clavellosa</i>               | (Lightfoot ex Turner)<br>Gaillon, 1828                         | Rhodophyta    | Florideophyceae | Rhodymeniales    | Lomentariaceae      | 15           | 10              | 2         | 4         | 4         |
| <i>Pyropia leucosticta</i>                 | (Thuret) Neefus &<br>J.Brodie, 2011                            | Rhodophyta    | Bangiophyceae   | Bangiales        | Bangiaceae          | 15           | 6               | 1         | 3         | 2         |
| <i>Rhodothamniella floridula</i>           | (Dillwyn) Feldmann, 1978                                       | Rhodophyta    | Florideophyceae | Palmariales      | Rhodothamniellaceae | 15           | 9               | 2         | 7         | 0         |
| <i>Ulva intestinalis</i>                   | Linnaeus, 1753   | Chlorophyta   | Ulvophyceae     | Ulvaes           | Ulvaceae            | 15           | 5               | 1         | 1         | 3         |

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|--|---|---------------|-----------------|-----------------|------------------|--------------|-----------------|-----------|-----------|-----------|
| <i>Callithamnion corymbosum</i>            | (Smith) Lyngbye, 1819                   | Rhodophyta    | Florideophyceae | Ceramiales      | Callithamniaceae | 14           | 10              | 6         | 4         | 0         |
| <i>Chylocladia verticillata</i>            | (Lightfoot) Bliding, 1928               | Rhodophyta    | Florideophyceae | Rhodymeniales   | Champiaceae      | 14           | 5               | 3         | 2         | 0         |
| <b><i>Halurus equisetifolius</i></b>       | (Lightfoot) Kützing, 1843               | Rhodophyta    | Florideophyceae | Ceramiales      | Wrangeliaceae    | 14           | 10              | 1         | 9         | 0         |
| <i>Lomentaria articulata</i>               | (Hudson) Lyngbye, 1819                  | Rhodophyta    | Florideophyceae | Rhodymeniales   | Lomentariaceae   | 14           | 10              | 1         | 8         | 1         |
| <i>Polysiphonia elongata</i>               | (Hudson) Harvey                         | Rhodophyta    | Florideophyceae | Ceramiales      | Rhodomelaceae    | 14           | 8               | 1         | 7         | 0         |
| <i>Porphyra umbilicalis</i>                | Kützing, 1843                           | Rhodophyta    | Bangiophyceae   | Bangiales       | Bangiaceae       | 14           | 9               | 2         | 7         | 0         |
| <i>Brongniartella byssoides</i>            | (Goodenough & Woodward) F.Schmitz, 1893 | Rhodophyta    | Florideophyceae | Ceramiales      | Rhodomelaceae    | 13           | 8               | 1         | 6         | 1         |
| <b><i>Colpomenia peregrina</i></b>         | Sauvageau, 1927                         | Ochrophyta    | Phaeophyceae    | Scytosiphonales | Scytosiphonaceae | 13           | 7               | 0         | 7         | 0         |
| <b><i>Desmarestia aculeata</i></b>         | (Linnaeus) J.V.Lamouroux, 1813          | Ochrophyta    | Phaeophyceae    | Desmarestiales  | Desmarestiaceae  | 13           | 9               | 1         | 7         | 1         |
| <b><i>Mastocarpus stellatus</i></b>        | (Stackhouse) Guiry, 1984                | Rhodophyta    | Florideophyceae | Gigartinales    | Phylloporaceae   | 13           | 11              | 2         | 9         | 0         |
| <i>Punctaria latifolia</i>                 | Greville, 1830                          | Ochrophyta    | Phaeophyceae    | Ectocarpales    | Chordariaceae    | 13           | 10              | 2         | 6         | 2         |
| <b><i>Rhodymenia pseudopalmata</i></b>     | (J.V.Lamouroux) P.C.Silva, 1952         | Rhodophyta    | Florideophyceae | Rhodymeniales   | Rhodymeniaceae   | 13           | 11              | 1         | 9         | 1         |
| <b><i>Scytosiphon lomentaria</i></b>       | (Lyngbye) Link, 1833                    | Ochrophyta    | Phaeophyceae    | Scytosiphonales | Scytosiphonaceae | 13           | 10              | 2         | 8         | 0         |
| <i>Ulva</i>                                | Linnaeus, 1753                          | Chlorophyta   | Ulvophyceae     | Ulvales         | Ulvaceae         | 13           | 13              | 0         | 0         | 13        |
| <i>Ulva lactuca</i>                        | Linnaeus, 1753                          | Chlorophyta   | Ulvophyceae     | Ulvales         | Ulvaceae         | 13           | 7               | 1         | 2         | 4         |
| <b><i>Calliblepharis jubata</i></b>        | (Goodenough & Woodward) Kützing, 1843   | Rhodophyta    | Florideophyceae | Gigartinales    | Cystocloniaceae  | 12           | 9               | 1         | 8         | 0         |
| <i>Cladophora pellucida</i>                | (Hudson) Kützing, 1843                  | Chlorophyta   | Ulvophyceae     | Cladophorales   | Cladophoraceae   | 12           | 4               | 1         | 2         | 1         |
| <b><i>Dilsea carnosa</i></b>               | (Schmidel) Kuntze, 1898                 | Rhodophyta    | Florideophyceae | Gigartinales    | Dumontiaceae     | 12           | 7               | 1         | 6         | 0         |
| <i>Gracilaria bursa-pastoris</i>           | (S.G.Gmelin) P.C.Silva, 1952            | Rhodophyta    | Florideophyceae | Gracilariales   | Gracilariaceae   | 12           | 10              | 2         | 6         | 2         |
| <b><i>Sphondylothamnion multifidum</i></b> | (Hudson) Nägeli, 1862                   | Rhodophyta    | Florideophyceae | Ceramiales      | Wrangeliaceae    | 12           | 10              | 2         | 8         | 0         |

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|---|---|---------------|------------------|------------------|-------------------|--------------|-----------------|-----------|-----------|-----------|
| <i>Fucus ceranoides</i>                 | Linnaeus, 1753  | Ochrophyta    | Phaeophyceae     | Fucales          | Fucaceae          | 11           | 5               | 1         | 4         | 0         |
| <b><i>Halarachnion ligulatum</i></b>    | (Woodward) Kützing, 1843                                | Rhodophyta    | Floriideophyceae | Gigartinales     | Furcellariaceae   | 11           | 10              | 1         | 7         | 2         |
| <b><i>Halopteris scoparia</i></b>       | (Linnaeus) Sauvageau, 1904                              | Ochrophyta    | Phaeophyceae     | Sphacelariales   | Stypocaulaceae    | 11           | 6               | 2         | 4         | 0         |
| <i>Sphacelaria cirrosa</i>              | (Roth) C.Agardh, 1824                                   | Ochrophyta    | Phaeophyceae     | Sphacelariales   | Sphacelariaceae   | 11           | 7               | 4         | 2         | 1         |
| <i>Ahnfeltia plicata</i>                | (Hudson) E.M.Fries, 1836                                | Rhodophyta    | Floriideophyceae | Ahnfeltiales     | Ahnfeltiaceae     | 10           | 5               | 2         | 3         | 0         |
| <i>Bryopsis plumosa</i>                 | (Hudson) C.Agardh, 1823                                 | Chlorophyta   | Ulvophyceae      | Bryopsidales     | Bryopsidaceae     | 10           | 8               | 3         | 2         | 3         |
| <i>Champia parvula</i>                  | (C.Agardh) Harvey, 1853                                 | Rhodophyta    | Floriideophyceae | Rhodymeniales    | Champiaceae       | 10           | 9               | 2         | 7         | 0         |
| <b><i>Chondracanthus acicularis</i></b> | (Roth) Fredericq, 1993                                  | Rhodophyta    | Floriideophyceae | Gigartinales     | Gigartinaceae     | 10           | 8               | 2         | 6         | 0         |
| <b><i>Dudresnaya verticillata</i></b>   | (Withering) Le Jolis, 1863                              | Rhodophyta    | Floriideophyceae | Gigartinales     | Dumontiaceae      | 10           | 6               | 1         | 5         | 0         |
| <i>Fucus guiryi</i>                     | G.I.Zardi, K.R.Nicastro, E.S.Serrão & G.A.Pearson, 2011 | Ochrophyta    | Phaeophyceae     | Fucales          | Fucaceae          | 10           | 8               | 0         | 8         | 0         |
| <i>Gelidium pulchellum</i>              | (Turner) Kützing, 1868                                  | Rhodophyta    | Floriideophyceae | Gelidiales       | Gelidiaceae       | 10           | 2               | 1         | 1         | 0         |
| <i>Polysiphonia stricta</i>             | (Dillwyn) Greville, 1824                                | Rhodophyta    | Floriideophyceae | Ceramiales       | Rhodomelaceae     | 10           | 7               | 4         | 3         | 0         |
| <i>Pylaiella littoralis</i>             | (Linnaeus) Kjellman, 1872                               | Ochrophyta    | Phaeophyceae     | Ectocarpales     | Acinetosporaceae  | 10           | 7               | 4         | 3         | 0         |
| <i>Rhizoclonium riparium</i>            | (Roth) Harvey, 1849                                     | Chlorophyta   | Ulvophyceae      | Cladophorales    | Cladophoraceae    | 10           | 9               | 5         | 2         | 2         |
| <i>Scinaia furcellata</i>               | (Turner) J.Agardh, 1851                                 | Rhodophyta    | Floriideophyceae | Nemaliales       | Sciniaiceae       | 10           | 6               | 1         | 3         | 2         |
| <i>Spyridia filamentosa</i>             | (Wulfen) Harvey, 1833                                   | Rhodophyta    | Floriideophyceae | Ceramiales       | Spyridiaceae      | 10           | 8               | 1         | 7         | 0         |
| <b><i>Stenogramma interruptum</i></b>   | (C.Agardh) Montagne, 1846                               | Rhodophyta    | Floriideophyceae | Gigartinales     | Phylloporaceae    | 10           | 5               | 0         | 5         | 0         |
| <i>Boergeseniella fruticulosa</i>       | (Wulfen) Kylin, 1956                                    | Rhodophyta    | Floriideophyceae | Ceramiales       | Rhodomelaceae     | 9            | 8               | 2         | 6         | 0         |
| <b><i>Bonnemaisonia hamifera</i></b>    | Hariot, 1891  | Rhodophyta    | Floriideophyceae | Bonnemaisoniales | Bonnemaisoniaceae | 9            | 9               | 0         | 7         | 2         |
| <b><i>Bornetia secundiflora</i></b>     | (J.Agardh) Thuret, 1855                                 | Rhodophyta    | Floriideophyceae | Ceramiales       | Ceramiaceae       | 9            | 8               | 1         | 2         | 5         |

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|--------------------------------------|--|---------------|------------------|----------------|------------------|--------------|-----------------|-----------|-----------|-----------|
| <i>Callithamnion tetricum</i>        | (Dillwyn) S.F.Gray, 1821                 | Rhodophyta    | Floriideophyceae | Ceramiales     | Callithamniaceae | 9            | 8               | 2         | 6         | 0         |
| <i>Ceramium diaphanum</i>            | (Lightfoot) Roth, 1806                   | Rhodophyta    | Floriideophyceae | Ceramiales     | Ceramiaceae      | 9            | 9               | 0         | 6         | 3         |
| <b><i>Chondracanthus teedei</i></b>  | (Mertens ex Roth)<br>Kützing, 1843       | Rhodophyta    | Floriideophyceae | Gigartinales   | Gigartinaceae    | 9            | 8               | 0         | 7         | 1         |
| <i>Chondria dasyphylla</i>           | (Woodward) C.Agardh,<br>1817             | Rhodophyta    | Floriideophyceae | Ceramiales     | Rhodomelaceae    | 9            | 7               | 1         | 6         | 0         |
| <i>Cystoclonium purpureum</i>        | (Hudson) Batters, 1902<br>(Stackhouse)   | Rhodophyta    | Floriideophyceae | Gigartinales   | Cystocloniaceae  | 9            | 8               | 0         | 8         | 0         |
| <b><i>Desmarestia ligulata</i></b>   | J.V.Lamouroux, 1813                      | Ochrophyta    | Phaeophyceae     | Desmarestiales | Desmarestiaceae  | 9            | 4               | 1         | 3         | 0         |
| <i>Monostroma grevillei</i>          | (Thuret) Wittrock, 1866                  | Chlorophyta   | Ulvophyceae      | Ulotrichales   | Gomontiaceae     | 9            | 9               | 3         | 2         | 4         |
| <i>Myrionema strangulans</i>         | Greville, 1827                           | Ochrophyta    | Phaeophyceae     | Ectocarpales   | Chordariaceae    | 9            | 6               | 4         | 2         | 0         |
| <b><i>Osmundea hybrida</i></b>       | (A.P.de Candolle)<br>K.W.Nam, 1994       | Rhodophyta    | Floriideophyceae | Ceramiales     | Rhodomelaceae    | 9            | 9               | 4         | 5         | 0         |
| <i>Polysiphonia fibrata</i>          | (Dillwyn) Harvey, 1833                   | Rhodophyta    | Floriideophyceae | Ceramiales     | Rhodomelaceae    | 9            | 9               | 3         | 3         | 3         |
| <b><i>Rhodomela confervoides</i></b> | (Hudson) P.C.Silva, 1952                 | Rhodophyta    | Floriideophyceae | Ceramiales     | Rhodomelaceae    | 9            | 8               | 1         | 7         | 0         |
| <i>Schizymenia dubyi</i>             | (Chauvin ex Duby)<br>J.Agardh, 1851      | Rhodophyta    | Floriideophyceae | Nemastomatales | Schizymeniaceae  | 9            | 8               | 3         | 4         | 1         |
| <i>Ulothrix flacca</i>               | (Dillwyn) Thuret, 1863                   | Chlorophyta   | Ulvophyceae      | Ulotrichales   | Ulotrichaceae    | 9            | 6               | 2         | 1         | 3         |
| <i>Vertebrata lanosa</i>             | (Linnaeus)<br>T.A.Christensen, 1967      | Rhodophyta    | Floriideophyceae | Ceramiales     | Rhodomelaceae    | 9            | 8               | 2         | 4         | 2         |
| <i>Aglaothamnion tenuissimum</i>     | (Bonnemaison) Feldmann-<br>Mazoyer, 1941 | Rhodophyta    | Floriideophyceae | Ceramiales     | Callithamniaceae | 8            | 8               | 2         | 5         | 1         |
| <b><i>Arthrocladia villosa</i></b>   | (Hudson) Duby, 1830                      | Ochrophyta    | Phaeophyceae     | Desmarestiales | Arthrocladiaceae | 8            | 6               | 0         | 5         | 1         |
| <b><i>Bifurcaria bifurcata</i></b>   | R.Ross, 1958                             | Ochrophyta    | Phaeophyceae     | Fucales        | Sargassaceae     | 8            | 4               | 0         | 4         | 0         |
| <i>Boergeseniella thuyoides</i>      | (Harvey) Kylin, 1956                     | Rhodophyta    | Floriideophyceae | Ceramiales     | Rhodomelaceae    | 8            | 7               | 1         | 6         | 0         |
| <i>Bryopsis duplex</i>               | De Notaris, 1844                         | Chlorophyta   | Ulvophyceae      | Bryopsidales   | Bryopsidaceae    | 8            | 8               | 0         | 0         | 8         |
| <i>Callithamnion tetragonum</i>      | (Withering) S.F.Gray, 1821               | Rhodophyta    | Floriideophyceae | Ceramiales     | Callithamniaceae | 8            | 7               | 2         | 5         | 0         |

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| <i>Taxon name</i>                    | <i>Authority</i>                               | <i>Phylum</i> | <i>Class</i>     | <i>Order</i>   | <i>Family</i>    | <i>Total</i> | <i>T1+T2+T3</i> | <i>T1</i> | <i>T2</i> | <i>T3</i> |
|--------------------------------------|--|---------------|------------------|----------------|------------------|--------------|-----------------|-----------|-----------|-----------|
| <i>Ceramium echinotum</i>            | J.Agardh, 1844                                 | Rhodophyta    | Floriideophyceae | Ceramiales     | Ceramiaceae      | 8            | 5               | 1         | 4         | 0         |
| <i>Chaetomorpha ligustica</i>        | (Kützing) Kützing, 1849                        | Chlorophyta   | Ulvophyceae      | Cladophorales  | Cladophoraceae   | 8            | 6               | 0         | 2         | 4         |
| <i>Chondria capillaris</i>           | (Hudson) M.J.Wynne, 1991                       | Rhodophyta    | Floriideophyceae | Ceramiales     | Rhodomelaceae    | 8            | 7               | 1         | 5         | 1         |
| <b><i>Desmarestia viridis</i></b>    | (O.F.Müller) J.V.Lamouroux, 1813               | Ochrophyta    | Phaeophyceae     | Desmarestiales | Desmarestiaceae  | 8            | 6               | 2         | 1         | 3         |
| <i>Elachista fucicola</i>            | (Vellay) Areschoug, 1842                       | Ochrophyta    | Phaeophyceae     | Ectocarpales   | Chordariaceae    | 8            | 5               | 3         | 1         | 1         |
| <i>Erythroglousum laciniatum</i>     | (Lightfoot) Maggs & Hommersand, 1993           | Rhodophyta    | Floriideophyceae | Ceramiales     | Delesseriaceae   | 8            | 3               | 0         | 1         | 2         |
| <i>Eudesme virescens</i>             | (Carmichael ex Berkeley) J.Agardh, 1882        | Ochrophyta    | Phaeophyceae     | Ectocarpales   | Chordariaceae    | 8            | 7               | 2         | 3         | 2         |
| <i>Gayliella flaccida</i>            | (Harvey ex Kützing) T.O.Cho & L.J.McIvor, 2008 | Rhodophyta    | Floriideophyceae | Ceramiales     | Ceramiaceae      | 8            | 6               | 1         | 5         | 0         |
| <b><i>Halopteris filicina</i></b>    | (Grateloup) Kützing, 1843                      | Ochrophyta    | Phaeophyceae     | Sphacelariales | Stypocaulaceae   | 8            | 7               | 1         | 5         | 1         |
| <b><i>Himantalia elongata</i></b>    | (Linnaeus) S.F.Gray, 1821                      | Ochrophyta    | Phaeophyceae     | Fucales        | Himantaliaceae   | 8            | 5               | 0         | 5         | 0         |
| <b><i>Meredithia microphylla</i></b> | (J.Agardh) J.Agardh, 1892                      | Rhodophyta    | Floriideophyceae | Gigartinales   | Kallymeniaceae   | 8            | 7               | 1         | 3         | 3         |
| <b><i>Nemalion helminthoides</i></b> | (Vellay) Batters, 1902                         | Rhodophyta    | Floriideophyceae | Nemaliales     | Liagoraceae      | 8            | 8               | 2         | 6         | 0         |
| <b><i>Phyllophora crispa</i></b>     | (Hudson) P.S.Dixon, 1964                       | Rhodophyta    | Floriideophyceae | Gigartinales   | Phyllophoraceae  | 8            | 8               | 2         | 6         | 0         |
| <i>Polyneura bonnemaisonii</i>       | (C.Agardh) Maggs & Hommersand, 1993            | Rhodophyta    | Floriideophyceae | Ceramiales     | Delesseriaceae   | 8            | 7               | 1         | 6         | 0         |
| <i>Ptilothamnion pluma</i>           | (Dillwyn) Thuret, 1863                         | Rhodophyta    | Floriideophyceae | Ceramiales     | Wrangeliaceae    | 8            | 6               | 1         | 4         | 1         |
| <b><i>Taonia atomaria</i></b>        | (Woodward) J.Agardh, 1848                      | Ochrophyta    | Phaeophyceae     | Dictyotales    | Dictyotaceae     | 8            | 6               | 1         | 5         | 0         |
| <i>Aglaothamnion sepositum</i>       | (Gunnerus) Maggs & Hommersand, 1993            | Rhodophyta    | Floriideophyceae | Ceramiales     | Callithamniaceae | 7            | 6               | 1         | 1         | 4         |
| <i>Antithamnionella ternifolia</i>   | (J.D.Hooker & Harvey) Lyle, 1922               | Rhodophyta    | Floriideophyceae | Ceramiales     | Ceramiaceae      | 7            | 5               | 0         | 4         | 1         |
| <i>Bangia fuscopurpurea</i>          | (Dillwyn) Lyngbye, 1819                        | Rhodophyta    | Bangiophyceae    | Bangiales      | Bangiaceae       | 7            | 4               | 0         | 4         | 0         |

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| <i>Taxon name</i>                      | <i>Authority</i>             | <i>Phylum</i> | <i>Class</i>    | <i>Order</i>  | <i>Family</i>     | <i>Total</i> | <i>T1+T2+T3</i> | <i>T1</i> | <i>T2</i> | <i>T3</i> |
|--|------------------------------|---------------|-----------------|---------------|-------------------|--------------|-----------------|-----------|-----------|-----------|
| <i>Bryopsis hypnoides</i>              | J.V.Lamouroux, 1809          | Chlorophyta   | Ulvophyceae     | Bryopsidales  | Bryopsidaceae     | 7            | 5               | 2         | 1         | 2         |
| <i>Ceramium tenuicorne</i>             | (Kützing) Waern, 1952        | Rhodophyta    | Florideophyceae | Ceramiales    | Ceramiaceae       | 7            | 5               | 3         | 2         | 0         |
| <i>Chaetomorpha linum</i>              | (O.F.Müller) Kützing, 1845   | Chlorophyta   | Ulvophyceae     | Cladophorales | Cladophoraceae    | 7            | 3               | 2         | 0         | 1         |
| <i>Cystoseira foeniculacea</i>         | (Linnaeus) Greville, 1830    | Ochrophyta    | Phaeophyceae    | Fucales       | Sargassaceae      | 7            | 5               | 1         | 4         | 0         |
| <i>Ectocarpus siliculosus</i>          | (Dillwyn) Lyngbye, 1819      | Ochrophyta    | Phaeophyceae    | Ectocarpales  | Ectocarpaceae     | 7            | 4               | 2         | 2         | 0         |
| <i>Fucus serratus</i>                  | Linnaeus, 1753               | Ochrophyta    | Phaeophyceae    | Fucales       | Fucaceae          | 7            | 6               | 0         | 6         | 0         |
| <b><i>Furcellaria lumbriicalis</i></b> | (Hudson) J.V.Lamouroux, 1813 | Rhodophyta    | Florideophyceae | Gigartinales  | Furcellariaceae   | 7            | 5               | 1         | 4         | 0         |
| <b><i>Gloiosiphonia capillaris</i></b> | (Hudson) Carmichael, 1833    | Rhodophyta    | Florideophyceae | Gigartinales  | Gloiosiphoniaceae | 7            | 4               | 1         | 3         | 0         |
| <b><i>Helminthora divaricata</i></b>   | (C.Agardh) J.Agardh, 1852    | Rhodophyta    | Florideophyceae | Nemaliales    | Liagoraceae       | 7            | 5               | 1         | 3         | 1         |
| <b><i>Osmundea pinnatifida</i></b>     | (Hudson) Stackhouse, 1809    | Rhodophyta    | Florideophyceae | Ceramiales    | Rhodomelaceae     | 7            | 6               | 0         | 6         | 0         |
| <i>Polysiphonia fibrillosa</i>         | (Dillwyn) Sprengel, 1827     | Rhodophyta    | Florideophyceae | Ceramiales    | Rhodomelaceae     | 7            | 4               | 2         | 1         | 1         |
| <i>Pterothamnion crispum</i>           | (Ducluzeau) Nägeli, 1862     | Rhodophyta    | Florideophyceae | Ceramiales    | Ceramiaceae       | 7            | 7               | 2         | 5         | 0         |
| <i>Spermothamnion repens</i>           | (Dillwyn) Rosenvinge, 1924   | Rhodophyta    | Florideophyceae | Ceramiales    | Wrangeliaceae     | 7            | 3               | 1         | 1         | 1         |
| <i>Spongomorpha aeruginosa</i>         | (Linnaeus) Hoek, 1963        | Chlorophyta   | Ulvophyceae     | Ulotrichales  | Ulotrichaceae     | 7            | 7               | 3         | 1         | 3         |
| <b><i>Spongonema tomentosum</i></b>    | (Hudson) Kützing, 1849       | Ochrophyta    | Phaeophyceae    | Ectocarpales  | Ectocarpaceae     | 7            | 4               | 1         | 3         | 0         |
| <i>Stilophora tenella</i>              | (Esper) P.C.Silva, 1996      | Ochrophyta    | Phaeophyceae    | Ectocarpales  | Chordariaceae     | 7            | 5               | 3         | 2         | 0         |
| <i>Ulva compressa</i>                  | Linnaeus, 1753               | Chlorophyta   | Ulvophyceae     | Ulvales       | Ulvaceae          | 7            | 4               | 1         | 1         | 2         |
| <i>Ulva flexuosa</i>                   | Wulfen, 1803                 | Chlorophyta   | Ulvophyceae     | Ulvales       | Ulvaceae          | 7            | 5               | 1         | 1         | 3         |
| <i>Anotrichium barbatum</i>            | (C.Agardh) Nägeli, 1862      | Rhodophyta    | Florideophyceae | Ceramiales    | Wrangeliaceae     | 6            | 5               | 1         | 4         | 0         |
| <b><i>Ascophyllum nodosum</i></b>      | (Linnaeus) Le Jolis, 1863    | Ochrophyta    | Phaeophyceae    | Fucales       | Fucaceae          | 6            | 4               | 0         | 4         | 0         |

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| <i>Taxon name</i>                           | <i>Authority</i>                          | <i>Phylum</i> | <i>Class</i>    | <i>Order</i>    | <i>Family</i>    | <i>Total</i> | <i>T1+T2+T3</i> | <i>T1</i> | <i>T2</i> | <i>T3</i> |
|---|---|---------------|-----------------|-----------------|------------------|--------------|-----------------|-----------|-----------|-----------|
| <i>Asperococcus fistulosus</i>              | (Hudson) W.J.Hooker, 1833                 | Ochrophyta    | Phaeophyceae    | Ectocarpales    | Chordariaceae    | 6            | 4               | 0         | 4         | 0         |
| <b><i>Bostrychia scorpioides</i></b>        | (Hudson) Montagne, 1842                   | Rhodophyta    | Florideophyceae | Ceramiales      | Rhodomelaceae    | 6            | 5               | 2         | 3         | 0         |
| <i>Callithamnion granulatum</i>             | (Ducluzeau) C.Agardh, 1828                | Rhodophyta    | Florideophyceae | Ceramiales      | Callithamniaceae | 6            | 5               | 3         | 2         | 0         |
| <b><i>Catenella caespitosa</i></b>          | (Withering) L.M.Irvine, 1976              | Rhodophyta    | Florideophyceae | Gigartinales    | Caulacanthaceae  | 6            | 3               | 1         | 2         | 0         |
| <i>Ceramium ciliatum</i>                    | (J.Ellis) Ducluzeau, 1806                 | Rhodophyta    | Florideophyceae | Ceramiales      | Ceramiaceae      | 6            | 3               | 0         | 1         | 2         |
| <i>Ceramium shuttleworthianum</i>           | (Kützing) Rabenhorst, 1847                | Rhodophyta    | Florideophyceae | Ceramiales      | Ceramiaceae      | 6            | 5               | 1         | 4         | 0         |
| <i>Ceramium virgatum</i>                    | Roth, 1797                                | Rhodophyta    | Florideophyceae | Ceramiales      | Ceramiaceae      | 6            | 3               | 0         | 3         | 0         |
| <i>Chondria coerulescens</i>                | (J.Agardh) Falkenberg, 1901               | Rhodophyta    | Florideophyceae | Ceramiales      | Rhodomelaceae    | 6            | 5               | 1         | 1         | 3         |
| <b><i>Chorda filum</i></b>                  | (Linnaeus) Stackhouse, 1797               | Ochrophyta    | Phaeophyceae    | Laminariales    | Chordaceae       | 6            | 5               | 2         | 3         | 0         |
| <i>Codium fragile</i>                       | (Suringar) Hariot, 1889                   | Chlorophyta   | Ulvophyceae     | Bryopsidales    | Codiaceae        | 6            | 6               | 0         | 0         | 6         |
| <i>Ectocarpus fasciculatus</i>              | Harvey, 1841                              | Ochrophyta    | Phaeophyceae    | Ectocarpales    | Ectocarpaceae    | 6            | 6               | 6         | 0         | 0         |
| <i>Elachista flaccida</i>                   | (Dillwyn) Fries, 1835                     | Ochrophyta    | Phaeophyceae    | Ectocarpales    | Chordariaceae    | 6            | 3               | 3         | 0         | 0         |
| <i>Gelidium spinosum</i>                    | (S.G.Gmelin) P.C.Silva, 1996              | Rhodophyta    | Florideophyceae | Gelidiales      | Gelidiaceae      | 6            | 5               | 2         | 3         | 0         |
| <i>Grateloupia filicina</i>                 | (J.V.Lamouroux) C.Agardh, 1822            | Rhodophyta    | Florideophyceae | Halymeniales    | Halymeniaceae    | 6            | 6               | 0         | 4         | 2         |
| <i>Litosiphon laminariae</i>                | (Lyngbye) Harvey, 1849                    | Ochrophyta    | Phaeophyceae    | Ectocarpales    | Chordariaceae    | 6            | 6               | 0         | 5         | 1         |
| <i>Myriotrichia claviformis</i>             | Harvey, 1834                              | Ochrophyta    | Phaeophyceae    | Ectocarpales    | Chordariaceae    | 6            | 3               | 2         | 1         | 0         |
| <b><i>Pelvetia canaliculata</i></b>         | (Linnaeus) Decaisne & Thuret, 1845        | Ochrophyta    | Phaeophyceae    | Fucales         | Fucaceae         | 6            | 3               | 0         | 3         | 0         |
| <i>Petalonia fascia</i>                     | (O.F.Müller) Kuntze, 1898                 | Ochrophyta    | Phaeophyceae    | Scytosiphonales | Scytosiphonaceae | 6            | 5               | 1         | 1         | 3         |
| <b><i>Phyllophora pseudoceranioides</i></b> | (S.G.Gmelin) Newroth & A.R.A.Taylor, 1971 | Rhodophyta    | Florideophyceae | Gigartinales    | Phylloporaceae   | 6            | 4               | 1         | 3         | 0         |



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|------------------------------------|---|---------------|------------------|------------------|-------------------|--------------|-----------------|-----------|-----------|-----------|
| <b><i>Polypides rotunda</i></b>    | (Hudson) Gaillon, 1828                            | Rhodophyta    | Florideophyceae  | Gigartinales     | Polyidaceae       | 6            | 5               | 0         | 5         | 0         |
| <i>Polysiphonia fucooides</i>      | (Hudson) Greville, 1824                           | Rhodophyta    | Florideophyceae  | Ceramiales       | Rhodomelaceae     | 6            | 2               | 0         | 2         | 0         |
| <i>Porphyra linearis</i>           | Greville, 1830                                    | Rhodophyta    | Bangiophyceae    | Bangiales        | Bangiaceae        | 6            | 3               | 1         | 2         | 0         |
| <i>Prasiola stipitata</i>          | Suhr ex Jessen, 1848                              | Chlorophyta   | Trebouxiophyceae | Prasiolales      | Prasiolaceae      | 6            | 4               | 0         | 1         | 3         |
| <i>Sauvageaugloia divaricata</i>   | (Clemente) Cremades, 1990                         | Ochrophyta    | Phaeophyceae     | Ectocarpales     | Chordariaceae     | 6            | 6               | 4         | 1         | 1         |
| <b><i>Schottera nicaeensis</i></b> | (J.V. Lamouroux ex Duby) Guiry & Hollenberg, 1975 | Rhodophyta    | Florideophyceae  | Gigartinales     | Phylloporaceae    | 6            | 4               | 0         | 0         | 4         |
| <i>Aglaothamnion hookeri</i>       | (Dillwyn) Maggs & Hommersand, 1993                | Rhodophyta    | Florideophyceae  | Ceramiales       | Callithamniaceae  | 5            | 4               | 3         | 1         | 0         |
| <b><i>Asparagopsis armata</i></b>  | Harvey, 1855                                      | Rhodophyta    | Florideophyceae  | Bonnemaisoniales | Bonnemaisoniaceae | 5            | 3               | 0         | 0         | 3         |
| <i>Blidingia minima</i>            | (Nägeli ex Kützing) Kylin, 1947                   | Chlorophyta   | Ulvophyceae      | Ulvales          | Kornmanniaceae    | 5            | 3               | 0         | 0         | 3         |
| <i>Chaetomorpha aerea</i>          | (Dillwyn) Kützing, 1849                           | Chlorophyta   | Ulvophyceae      | Cladophorales    | Cladophoraceae    | 5            | 4               | 1         | 2         | 1         |
| <i>Cladophora coelothrix</i>       | Kützing, 1843                                     | Chlorophyta   | Ulvophyceae      | Cladophorales    | Cladophoraceae    | 5            | 4               | 1         | 1         | 2         |
| <i>Cladophora flexuosa</i>         | (O.F.Müller) Kützing, 1843                        | Chlorophyta   | Ulvophyceae      | Cladophorales    | Cladophoraceae    | 5            | 5               | 4         | 1         | 0         |
| <i>Cladophora lehmanniana</i>      | (Lindenberg) Kützing, 1843                        | Chlorophyta   | Ulvophyceae      | Cladophorales    | Cladophoraceae    | 5            | 4               | 1         | 3         | 0         |
| <i>Codium tomentosum</i>           | Stackhouse, 1797                                  | Chlorophyta   | Ulvophyceae      | Bryopsidales     | Codiaceae         | 5            | 4               | 0         | 1         | 3         |
| <i>Compsothamnion thuyoides</i>    | (Smith) Nägeli, 1862                              | Rhodophyta    | Florideophyceae  | Ceramiales       | Wrangeliaceae     | 5            | 3               | 0         | 2         | 1         |
| <b><i>Cutleria multifida</i></b>   | (Turner) Greville, 1830                           | Ochrophyta    | Phaeophyceae     | Cutleriales      | Cutleriaceae      | 5            | 4               | 1         | 2         | 1         |
| <i>Cystoseira tamariscifolia</i>   | (Hudson) Papenfuss, 1950                          | Ochrophyta    | Phaeophyceae     | Fucales          | Sargassaceae      | 5            | 2               | 0         | 2         | 0         |
| <i>Dasya corymbifera</i>           | J.Agardh, 1841                                    | Rhodophyta    | Florideophyceae  | Ceramiales       | Dasyaceae         | 5            | 4               | 0         | 4         | 0         |
| <i>Dermocorynus dichotomus</i>     | (J.Agardh) Gargiulo, M.Morabito & Manghisi, 2013  | Rhodophyta    | Florideophyceae  | Halymeniales     | Halymeniaceae     | 5            | 4               | 0         | 3         | 1         |

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| <i>Taxon name</i>                     | <i>Authority</i>                              | <i>Phylum</i> | <i>Class</i>        | <i>Order</i>      | <i>Family</i>      | <i>Total</i> | <i>T1+T2+T3</i> | <i>T1</i> | <i>T2</i> | <i>T3</i> |
|---------------------------------------|---|---------------|---------------------|-------------------|--------------------|--------------|-----------------|-----------|-----------|-----------|
| <i>Dictyota implexa</i>               | (Desfontaines)<br>J.V.Lamouroux, 1809         | Ochrophyta    | Phaeophyceae        | Dictyotales       | Dictyotaceae       | 5            | 2               | 1         | 1         | 0         |
| <i>Elachista scutulata</i>            | (Smith) Areschoug, 1843                       | Ochrophyta    | Phaeophyceae        | Ectocarpales      | Chordariaceae      | 5            | 2               | 1         | 1         | 0         |
| <i>Erythrotrichia bertholdii</i>      | Batters, 1900                                 | Rhodophyta    | Compsopogonophyceae | Erythropeltidales | Erythrotrichiaceae | 5            | 5               | 0         | 1         | 4         |
| <b><i>Halopithys incurva</i></b>      | (Hudson) Batters, 1902                        | Rhodophyta    | Florideophyceae     | Ceramiales        | Rhodomelaceae      | 5            | 5               | 1         | 4         | 0         |
| <b><i>Halymenia latifolia</i></b>     | P.L.Crouan & H.M.Crouan<br>ex Kützing, 1866   | Rhodophyta    | Florideophyceae     | Halymeniales      | Halymeniaceae      | 5            | 3               | 0         | 3         | 0         |
| <b><i>Laurencia obtusa</i></b>        | (Hudson) J.V.Lamouroux,<br>1813               | Rhodophyta    | Florideophyceae     | Ceramiales        | Rhodomelaceae      | 5            | 4               | 1         | 3         | 0         |
| <i>Leathesia marina</i>               | (Lyngbye) Decaisne, 1842                      | Ochrophyta    | Phaeophyceae        | Ectocarpales      | Chordariaceae      | 5            | 3               | 1         | 2         | 0         |
| <i>Lomentaria orcadensis</i>          | (Harvey) F.S.Collins, 1937                    | Rhodophyta    | Florideophyceae     | Rhodymeniales     | Lomentariaceae     | 5            | 2               | 0         | 0         | 2         |
| <b><i>Microcladia glandulosa</i></b>  | (Solander ex Turner)<br>Greville, 1830        | Rhodophyta    | Florideophyceae     | Ceramiales        | Ceramiaceae        | 5            | 4               | 1         | 3         | 0         |
| <i>Myriactula stellulata</i>          | (Harvey) Levring, 1937                        | Ochrophyta    | Phaeophyceae        | Ectocarpales      | Chordariaceae      | 5            | 4               | 3         | 0         | 1         |
| <b><i>Osmundea osmunda</i></b>        | (S.G.Gmelin) K.W.Nam &<br>Maggs, 1994         | Rhodophyta    | Florideophyceae     | Ceramiales        | Rhodomelaceae      | 5            | 5               | 0         | 5         | 0         |
| <i>Petrospongium berkeleyi</i>        | (Greville) Nägeli ex<br>Kützing, 1858         | Ochrophyta    | Phaeophyceae        | Ectocarpales      | Petrosongiaceae    | 5            | 4               | 1         | 1         | 2         |
| <i>Pleonosporium borrieri</i>         | (Smith) Nägeli, 1862                          | Rhodophyta    | Florideophyceae     | Ceramiales        | Wrangeliaceae      | 5            | 4               | 1         | 1         | 2         |
| <i>Polysiphonia nigra</i>             | (Hudson) Batters, 1902                        | Rhodophyta    | Florideophyceae     | Ceramiales        | Rhodomelaceae      | 5            | 4               | 2         | 1         | 1         |
| <i>Pterocladiaella capillacea</i>     | (S.G.Gmelin) Santelices &<br>Hommersand, 1997 | Rhodophyta    | Florideophyceae     | Gelidiales        | Pterocladiaaceae   | 5            | 2               | 1         | 1         | 0         |
| <i>Punctaria plantaginea</i>          | (Roth) Greville, 1830                         | Ochrophyta    | Phaeophyceae        | Ectocarpales      | Chordariaceae      | 5            | 2               | 2         | 0         | 0         |
| <b><i>Sporochnus pedunculatus</i></b> | (Hudson) C.Agardh, 1820                       | Ochrophyta    | Phaeophyceae        | Sporochnales      | Sporochnaceae      | 5            | 4               | 0         | 3         | 1         |
| <b><i>Striaria attenuata</i></b>      | (Greville) Greville, 1828                     | Ochrophyta    | Phaeophyceae        | Ectocarpales      | Chordariaceae      | 5            | 5               | 1         | 0         | 4         |
| <i>Ulva linza</i>                     | Linnaeus, 1753                                | Chlorophyta   | Ulvophyceae         | Ulvales           | Ulvaceae           | 5            | 3               | 1         | 1         | 1         |
| <i>Acrochaetium virgatulum</i>        | (Harvey) Batters, 1902                        | Rhodophyta    | Florideophyceae     | Acrochaetiales    | Acrochaetiaceae    | 4            | 2               | 1         | 1         | 0         |

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| <i>Taxon name</i>                        | <i>Authority</i>                                  | <i>Phylum</i> | <i>Class</i>    | <i>Order</i>    | <i>Family</i>    | <i>Total</i> | <i>T1+T2+T3</i> | <i>T1</i> | <i>T2</i> | <i>T3</i> |
|--|---|---------------|-----------------|-----------------|------------------|--------------|-----------------|-----------|-----------|-----------|
| <i>Acrosiphonia arcta</i>                | (Dillwyn) Gain, 1912                              | Chlorophyta   | Ulvophyceae     | Ulotrichales    | Ulotrichaceae    | 4            | 1               | 1         | 0         | 0         |
| <i>Asperococcus bullosus</i>             | J.V.Lamouroux, 1813                               | Ochrophyta    | Phaeophyceae    | Ectocarpales    | Chordariaceae    | 4            | 4               | 1         | 3         | 0         |
| <b><i>Callocolax neglectus</i></b>       | F.Schmitz ex Batters, 1895                        | Rhodophyta    | Florideophyceae | Gigartinales    | Kallymeniaceae   | 4            | 3               | 0         | 3         | 0         |
| <i>Cladophora albida</i>                 | (Nees) Kutzing, 1843                              | Chlorophyta   | Ulvophyceae     | Cladophorales   | Cladophoraceae   | 4            | 4               | 3         | 1         | 0         |
| <i>Cladophora hutchinsiae</i>            | (Dillwyn) Kützing, 1845                           | Chlorophyta   | Ulvophyceae     | Cladophorales   | Cladophoraceae   | 4            | 3               | 2         | 1         | 0         |
| <i>Cladophora rupestris</i>              | (Linnaeus) Kützing, 1843                          | Chlorophyta   | Ulvophyceae     | Cladophorales   | Cladophoraceae   | 4            | 1               | 1         | 0         | 0         |
| <i>Cladophora sericea</i>                | (Hudson) Kützing, 1843                            | Chlorophyta   | Ulvophyceae     | Cladophorales   | Cladophoraceae   | 4            | 3               | 3         | 0         | 0         |
| <i>Codium vermilara</i>                  | (Oliv.) Delle Chiaje, 1829                        | Chlorophyta   | Ulvophyceae     | Bryopsidales    | Codiaceae        | 4            | 4               | 0         | 1         | 3         |
| <i>Colaconema caespitosum</i>            | (J.Agardh) Jackelman, Stegenga & J.J.Bolton, 1991 | Rhodophyta    | Florideophyceae | Colaconematales | Colaconemataceae | 4            | 3               | 0         | 0         | 3         |
| <i>Compsothamnion gracillimum</i>        | De Toni, 1903                                     | Rhodophyta    | Florideophyceae | Ceramiales      | Wrangeliaceae    | 4            | 3               | 1         | 2         | 0         |
| <b><i>Crouania attenuata</i></b>         | (C.Agardh) J.Agardh, 1842                         | Rhodophyta    | Florideophyceae | Ceramiales      | Callithamniaceae | 4            | 3               | 1         | 1         | 1         |
| <i>Cruoria pellita</i>                   | (Lyngbye) Fries, 1835                             | Rhodophyta    | Florideophyceae | Gigartinales    | Cruoriaceae      | 4            | 4               | 2         | 0         | 2         |
| <i>Cystoseira baccata</i>                | (S.G.Gmelin) P.C.Silva, 1952                      | Ochrophyta    | Phaeophyceae    | Fucales         | Sargassaceae     | 4            | 4               | 0         | 4         | 0         |
| <i>Dasya punicea</i>                     | (Zanardini) Meneghini ex Zanardini, 1841          | Rhodophyta    | Florideophyceae | Ceramiales      | Dasyaceae        | 4            | 3               | 0         | 2         | 1         |
| <i>Dictyosiphon foeniculaceus</i>        | (Hudson) Greville, 1830                           | Ochrophyta    | Phaeophyceae    | Ectocarpales    | Chordariaceae    | 4            | 3               | 2         | 0         | 1         |
| <i>Dictyota spiralis</i>                 | Montagne, 1846                                    | Ochrophyta    | Phaeophyceae    | Dictyotales     | Dictyotaceae     | 4            | 2               | 1         | 1         | 0         |
| <i>Gracilaria multipartita</i>           | (Clemente) Harvey, 1846                           | Rhodophyta    | Florideophyceae | Gracilariales   | Gracilariaceae   | 4            | 3               | 0         | 2         | 1         |
| <b><i>Halidrys siliquosa</i></b>         | (Linnaeus) Lyngbye, 1819                          | Ochrophyta    | Phaeophyceae    | Fucales         | Sargassaceae     | 4            | 2               | 0         | 2         | 0         |
| <b><i>Helminthocladia calvadosii</i></b> | (J.V.Lamouroux ex Duby) Setchell, 1915            | Rhodophyta    | Florideophyceae | Nemaliales      | Liagoraceae      | 4            | 4               | 1         | 3         | 0         |
| <i>Hincksia hincksiae</i>                | (Harvey) P.C.Silva, 1987                          | Ochrophyta    | Phaeophyceae    | Ectocarpales    | Acinetosporaceae | 4            | 4               | 4         | 0         | 0         |

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|---|--|---------------|-----------------|-----------------|------------------|--------------|-----------------|-----------|-----------|-----------|
| <i>Liebmannia leveillei</i>             | J.Agardh, 1842                             | Ochrophyta    | Phaeophyceae    | Ectocarpales    | Chordariaceae    | 4            | 3               | 2         | 1         | 0         |
| <i>Myriogramme minuta</i>               | Kylin, 1924                                | Rhodophyta    | Florideophyceae | Ceramiales      | Delesseriaceae   | 4            | 2               | 0         | 0         | 2         |
| <b><i>Peyssonnelia atropurpurea</i></b> | P.L.Crouan & H.M.Crouan, 1867              | Rhodophyta    | Florideophyceae | Peyssonneliales | Peyssonneliaceae | 4            | 4               | 2         | 1         | 1         |
| <i>Polysiphonia brodiei</i>             | (Dillwyn) Sprengel, 1827                   | Rhodophyta    | Florideophyceae | Ceramiales      | Rhodomelaceae    | 4            | 4               | 3         | 1         | 0         |
| <i>Rhodochorton purpureum</i>           | (Lightfoot) Rosenvinge, 1900               | Rhodophyta    | Florideophyceae | Acrochaetiales  | Acrochaetiaceae  | 4            | 3               | 1         | 2         | 0         |
| <b><i>Rhodymenia holmesii</i></b>       | Ardissonne, 1893                           | Rhodophyta    | Florideophyceae | Rhodymeniales   | Rhodymeniaceae   | 4            | 3               | 0         | 2         | 1         |
| <b><i>Saccorhiza polyschides</i></b>    | (Lightfoot) Batters, 1902                  | Ochrophyta    | Phaeophyceae    | Tilopteridales  | Phyllariaceae    | 4            | 3               | 0         | 2         | 1         |
| <b><i>Solieria chordalis</i></b>        | (C.Agardh) J.Agardh, 1842                  | Rhodophyta    | Florideophyceae | Gigartinales    | Solieriaceae     | 4            | 4               | 0         | 3         | 1         |
| <b><i>Tilopteris mertensii</i></b>      | (Turner) Kützing, 1849                     | Ochrophyta    | Phaeophyceae    | Tilopteridales  | Tilopteridaceae  | 4            | 3               | 1         | 2         | 0         |
| <i>Titanoderma pustulatum</i>           | (J.V.Lamouroux) Nägeli, 1858               | Rhodophyta    | Florideophyceae | Corallinales    | Corallinaceae    | 4            | 1               | 0         | 1         | 0         |
| <i>Ulva ralfsii</i>                     | (Harvey) Le Jolis, 1863                    | Chlorophyta   | Ulvophyceae     | Ulvales         | Ulvaceae         | 4            | 3               | 1         | 0         | 2         |
| <i>Umbraulva dangeardii</i>             | M.J.Wynne & G.Furnari, 2014                | Chlorophyta   | Ulvophyceae     | Ulvales         | Ulvaceae         | 4            | 4               | 0         | 0         | 4         |
| <i>Acrochaetium secundatum</i>          | (Lyngbye) Nägeli, 1858                     | Rhodophyta    | Florideophyceae | Acrochaetiales  | Acrochaetiaceae  | 3            | 3               | 3         | 0         | 0         |
| <i>Aglaothamnion roseum</i>             | (Roth) Maggs & L'Hardy-Halos, 1993         | Rhodophyta    | Florideophyceae | Ceramiales      | Callithamniaceae | 3            | 2               | 1         | 0         | 1         |
| <i>Anotrichium furcellatum</i>          | (J.Agardh) Baldock, 1976                   | Rhodophyta    | Florideophyceae | Ceramiales      | Wrangeliaceae    | 3            | 3               | 0         | 0         | 3         |
| <i>Blidingia marginata</i>              | (J.Agardh) P.J.L.Dangeard ex Bliding, 1963 | Chlorophyta   | Ulvophyceae     | Ulvales         | Kornmanniaceae   | 3            | 2               | 0         | 0         | 2         |
| <i>Ceramium circinatum</i>              | (Kützing) J.Agardh, 1851                   | Rhodophyta    | Florideophyceae | Ceramiales      | Ceramiaceae      | 3            | 2               | 2         | 0         | 0         |
| <i>Ceramium gaditanum</i>               | (Clemente) Cremades, 1990                  | Rhodophyta    | Florideophyceae | Ceramiales      | Ceramiaceae      | 3            | 2               | 1         | 1         | 0         |
| <i>Chaetomorpha melagonium</i>          | (F.Weber & Mohr) Kützing, 1845             | Chlorophyta   | Ulvophyceae     | Cladophorales   | Cladophoraceae   | 3            | 3               | 0         | 1         | 2         |

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|---|---|---------------|-----------------|------------------|------------------|--------------|-----------------|-----------|-----------|-----------|
| <i>Chordaria flagelliformis</i>         | (O.F.Müller) C.Agardh, 1817                     | Ochrophyta    | Phaeophyceae    | Ectocarpales     | Chordariaceae    | 3            | 2               | 2         | 0         | 0         |
| <i>Cladophora prolifera</i>             | (Roth) Kützing, 1843                            | Chlorophyta   | Ulvophyceae     | Cladophorales    | Cladophoraceae   | 3            | 3               | 0         | 1         | 2         |
| <i>Cladophora vagabunda</i>             | (Linnaeus) Hoek, 1963                           | Chlorophyta   | Ulvophyceae     | Cladophorales    | Cladophoraceae   | 3            | 1               | 0         | 1         | 0         |
| <i>Colaconema daviesii</i>              | (Dillwyn) Stegenga, 1985                        | Rhodophyta    | Florideophyceae | Colaconematales  | Colaconemataceae | 3            | 2               | 1         | 1         | 0         |
| <i>Corallina officinalis</i>            | Linnaeus, 1758                                  | Rhodophyta    | Florideophyceae | Corallinales     | Corallinaceae    | 3            | 1               | 0         | 1         | 0         |
| <i>Cystoseira humilis</i>               | Schousboe ex Kützing, 1860                      | Ochrophyta    | Phaeophyceae    | Fucales          | Sargassaceae     | 3            | 2               | 0         | 2         | 0         |
| <b><i>Desmarestia dudresnayi</i></b>    | J.V.Lamouroux ex Léman, 1819                    | Ochrophyta    | Phaeophyceae    | Desmarestiales   | Desmarestiaceae  | 3            | 2               | 0         | 2         | 0         |
| <i>Gelidium crinale</i>                 | (Hare ex Turner) Gaillon, 1828                  | Rhodophyta    | Florideophyceae | Gelidiales       | Gelidiaceae      | 3            | 1               | 0         | 1         | 0         |
| <i>Gelidium pusillum</i>                | (Stackhouse) Le Jolis, 1863                     | Rhodophyta    | Florideophyceae | Gelidiales       | Gelidiaceae      | 3            | 3               | 2         | 1         | 0         |
| <b><i>Gigartina pistillata</i></b>      | (S.G.Gmelin) Stackhouse, 1809                   | Rhodophyta    | Florideophyceae | Gigartinales     | Gigartinaceae    | 3            | 3               | 1         | 1         | 1         |
| <b><i>Gymnogongrus griffithsiae</i></b> | (Turner) Martius, 1833                          | Rhodophyta    | Florideophyceae | Gigartinales     | Phylloporaceae   | 3            | 2               | 2         | 0         | 0         |
| <i>Haraldiophyllum bonnemaisonii</i>    | (Kyllin) A.D.Zinova, 1981                       | Rhodophyta    | Florideophyceae | Ceramiales       | Delesseriaceae   | 3            | 2               | 1         | 0         | 1         |
| <i>Hydrolithon farinosum</i>            | (J.V.Lamouroux) Penrose & Y.M.Chamberlain, 1993 | Rhodophyta    | Florideophyceae | Corallinales     | Corallinaceae    | 3            | 1               | 0         | 1         | 0         |
| <i>Jania rubens</i>                     | (Linnaeus) J.V.Lamouroux, 1816                  | Rhodophyta    | Florideophyceae | Corallinales     | Corallinaceae    | 3            | 1               | 1         | 0         | 0         |
| <b><i>Laminaria hyperborea</i></b>      | (Gunnerus) Foslie, 1884                         | Ochrophyta    | Phaeophyceae    | Laminariales     | Laminariaceae    | 3            | 1               | 0         | 1         | 0         |
| <i>Mesogloia vermiculata</i>            | (Smith) S.F.Gray, 1821                          | Ochrophyta    | Phaeophyceae    | Ectocarpales     | Chordariaceae    | 3            | 3               | 2         | 1         | 0         |
| <i>Microspora ficulinae</i>             | P.J.L.Dangeard, 1932                            | Chlorophyta   | Chlorophyceae   | Sphaeropleales   | Microsporaceae   | 3            | 2               | 0         | 1         | 1         |
| <i>Myriactula pulvinata</i>             | (Kützing) Kuntze, 1898                          | Ochrophyta    | Phaeophyceae    | Ectocarpales     | Chordariaceae    | 3            | 2               | 2         | 0         | 0         |
| <b><i>Naccaria wiggii</i></b>           | (Turner) Endlicher, 1836                        | Rhodophyta    | Florideophyceae | Bonnemaisoniales | Naccariaceae     | 3            | 3               | 1         | 2         | 0         |

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|-------------------------------------|--|---------------|------------------|----------------|------------------|--------------|-----------------|-----------|-----------|-----------|
| <i>Polysiphonia atlantica</i>       | Kapraun & J.N.Norris, 1982                         | Rhodophyta    | Floriideophyceae | Ceramiales     | Rhodomelaceae    | 3            | 3               | 2         | 1         | 0         |
| <i>Protohalopteris radicans</i>     | (Dillwyn) Draisma, Prud'homme & H.Kawai, 2010      | Ochrophyta    | Phaeophyceae     | Sphacelariales | Stypocaulaceae   | 3            | 3               | 2         | 0         | 1         |
| <i>Rubrointrusa membranacea</i>     | (Magnus) S.L.Clayden & G.W.Saunders, 2010          | Rhodophyta    | Floriideophyceae | Palmariales    | Meiodiscaceae    | 3            | 2               | 0         | 2         | 0         |
| <i>Seirospora interrupta</i>        | (Smith) F.Schmitz, 1893                            | Rhodophyta    | Floriideophyceae | Ceramiales     | Callithamniaceae | 3            | 3               | 0         | 2         | 1         |
| <i>Stictyosiphon griffithsianus</i> | (Le Jolis) Holmes & Batters, 1891                  | Ochrophyta    | Phaeophyceae     | Ectocarpales   | Chordariaceae    | 3            | 3               | 3         | 0         | 0         |
| <i>Acinetospora crinita</i>         | (Carmichael) Sauvageau, 1899                       | Ochrophyta    | Phaeophyceae     | Ectocarpales   | Acinetosporaceae | 2            | 2               | 2         | 0         | 0         |
| <i>Antithamnion cruciatum</i>       | (C.Agardh) Nägeli, 1847                            | Rhodophyta    | Floriideophyceae | Ceramiales     | Ceramiaceae      | 2            | 2               | 1         | 1         | 0         |
| <i>Ceramium deslongchampsii</i>     | Chauvin ex Duby, 1830                              | Rhodophyta    | Floriideophyceae | Ceramiales     | Ceramiaceae      | 2            | 1               | 1         | 0         | 0         |
| <i>Chondria</i>                     | C.Agardh, 1817                                     | Rhodophyta    | Floriideophyceae | Ceramiales     | Rhodomelaceae    | 2            | 2               | 0         | 2         | 0         |
| <i>Cladosiphon contortus</i>        | (Thuret) Kylin, 1940                               | Ochrophyta    | Phaeophyceae     | Ectocarpales   | Chordariaceae    | 2            | 2               | 2         | 0         | 0         |
| <i>Codium adhaerens</i>             | C.Agardh, 1822                                     | Chlorophyta   | Ulvophyceae      | Bryopsidales   | Codiaceae        | 2            | 1               | 0         | 0         | 1         |
| <i>Codium bursa</i>                 | (Olivi) C.Agardh, 1817                             | Chlorophyta   | Ulvophyceae      | Bryopsidales   | Codiaceae        | 2            | 1               | 0         | 1         | 0         |
| <i>Codium decorticatedum</i>        | (Woodward) M.A.Howe, 1911                          | Chlorophyta   | Ulvophyceae      | Bryopsidales   | Codiaceae        | 2            | 2               | 0         | 0         | 2         |
| <i>Codium effusum</i>               | (Rafinesque) Delle Chiaje, 1829                    | Chlorophyta   | Ulvophyceae      | Bryopsidales   | Codiaceae        | 2            | 2               | 0         | 2         | 0         |
| <b><i>Cordylecladia erecta</i></b>  | (Greville) J.Agardh, 1852                          | Rhodophyta    | Floriideophyceae | Rhodymeniales  | Rhodymeniaceae   | 2            | 2               | 2         | 0         | 0         |
| <i>Derbesia tenuissima</i>          | (Moris & De Notaris) P.L.Crouan & H.M.Crouan, 1867 | Chlorophyta   | Ulvophyceae      | Bryopsidales   | Derbesiaceae     | 2            | 1               | 1         | 0         | 0         |
| <i>Ectocarpus crouaniorum</i>       | Thuret, 1863                                       | Ochrophyta    | Phaeophyceae     | Ectocarpales   | Ectocarpaceae    | 2            | 1               | 1         | 0         | 0         |
| <i>Epicladia flustrae</i>           | Reinke, 1889                                       | Chlorophyta   | Ulvophyceae      | Ulvaes         | Ulvellaceae      | 2            | 0               | 0         | 0         | 0         |

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|-------------------------------------|---|---------------|---------------------|-------------------|--------------------|--------------|-----------------|-----------|-----------|-----------|
| <i>Erythrotrichia carnea</i>        | (Dillwyn) J.Agardh, 1883                                  | Rhodophyta    | Compsopogonophyceae | Erythropeltidales | Erythrotrichiaceae | 2            | 1               | 1         | 0         | 0         |
| <i>Feldmannia globifera</i>         | (Kützing) G.Hamel, 1939                                   | Ochrophyta    | Phaeophyceae        | Ectocarpales      | Acinetosporaceae   | 2            | 2               | 2         | 0         | 0         |
| <i>Feldmannia lebelii</i>           | (J.E. Areschoug ex P.L.Crouan & H.M.Crouan) G.Hamel, 1939 | Ochrophyta    | Phaeophyceae        | Ectocarpales      | Acinetosporaceae   | 2            | 1               | 1         | 0         | 0         |
| <i>Feldmannia simplex</i>           | (P.L.Crouan & H.M.Crouan) G.Hamel, 1939                   | Ochrophyta    | Phaeophyceae        | Ectocarpales      | Acinetosporaceae   | 2            | 1               | 1         | 0         | 0         |
| <b><i>Halosiphon tomentosus</i></b> | (Lyngbye) Jaasund, 1957                                   | Ochrophyta    | Phaeophyceae        | Tilopteridales    | Halosiphonaceae    | 2            | 0               | 0         | 0         | 0         |
| <i>Isthmoplea sphaerophora</i>      | (Carmichael) Gobi, 1878                                   | Ochrophyta    | Phaeophyceae        | Ectocarpales      | Chordariaceae      | 2            | 1               | 1         | 0         | 0         |
| <b><i>Laminaria digitata</i></b>    | (Hudson) J.V.Lamouroux, 1813                              | Ochrophyta    | Phaeophyceae        | Laminariales      | Laminariaceae      | 2            | 2               | 0         | 2         | 0         |
| <b><i>Laurencia pyramidalis</i></b> | Bory de Saint-Vincent ex Kützing, 1849                    | Rhodophyta    | Floriideophyceae    | Ceramiales        | Rhodomelaceae      | 2            | 2               | 2         | 0         | 0         |
| <i>Leblondiella densa</i>           | (Batters) G.Hamel, 1939                                   | Ochrophyta    | Phaeophyceae        | Ectocarpales      | Chordariaceae      | 2            | 2               | 0         | 0         | 2         |
| <i>Lophosiphonia obscura</i>        | (C.Agardh) Falkenberg, 1897                               | Rhodophyta    | Floriideophyceae    | Ceramiales        | Rhodomelaceae      | 2            | 2               | 1         | 1         | 0         |
| <i>Meiodiscus spetsbergensis</i>    | (Kjellman) G.W.Saunders & McLachlan, 1991                 | Rhodophyta    | Floriideophyceae    | Palmariales       | Meiodiscaceae      | 2            | 1               | 0         | 0         | 1         |
| <i>Melobesia membranacea</i>        | (Esper) J.V.Lamouroux, 1812                               | Rhodophyta    | Floriideophyceae    | Corallinales      | Hapalidiaceae      | 2            | 1               | 1         | 0         | 0         |
| <i>Neosiphonia elongella</i>        | (Harvey) M.S.Kim & I.K.Lee, 1999                          | Rhodophyta    | Floriideophyceae    | Ceramiales        | Rhodomelaceae      | 2            | 2               | 2         | 0         | 0         |
| <b><i>Osmundea oederi</i></b>       | (Gunnerus) G.Furnari, 2008                                | Rhodophyta    | Floriideophyceae    | Ceramiales        | Rhodomelaceae      | 2            | 1               | 0         | 1         | 0         |
| <b><i>Phyllophora sicula</i></b>    | (Kützing) Guiry & L.M.Irvine, 1976                        | Rhodophyta    | Floriideophyceae    | Gigartinales      | Phyllophoraceae    | 2            | 2               | 2         | 0         | 0         |

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| <i>Taxon name</i>                      | <i>Authority</i>  | <i>Phylum</i> | <i>Class</i>        | <i>Order</i>      | <i>Family</i>      | <i>Total</i> | <i>T1+T2+T3</i> | <i>T1</i> | <i>T2</i> | <i>T3</i> |
|--|---|---------------|---------------------|-------------------|--------------------|--------------|-----------------|-----------|-----------|-----------|
| <i>Pilinia rimosa</i>                  | Kützing, 1843   | Ochrophyta    | Phaeophyceae        | Ectocarpales      | Ectocarpaceae      | 2            | 2               | 0         | 2         | 0         |
| <i>Pneophyllum fragile</i>             | Kützing, 1843   | Rhodophyta    | Floriideophyceae    | Corallinales      | Corallinaceae      | 2            | 1               | 1         | 0         | 0         |
| <i>Polysiphonia denudata</i>           | (Dillwyn) Greville ex Harvey, 1833                        | Rhodophyta    | Floriideophyceae    | Ceramiales        | Rhodomelaceae      | 2            | 2               | 1         | 1         | 0         |
| <i>Polysiphonia foetidissima</i>       | Cocks ex Bornet, 1892                                     | Rhodophyta    | Floriideophyceae    | Ceramiales        | Rhodomelaceae      | 2            | 2               | 1         | 1         | 0         |
| <i>Polysiphonia furcellata</i>         | (C.Agardh) Harvey, 1833                                   | Rhodophyta    | Floriideophyceae    | Ceramiales        | Rhodomelaceae      | 2            | 2               | 1         | 0         | 1         |
| <i>Polysiphonia harveyi</i>            | Bailey, 1848  | Rhodophyta    | Floriideophyceae    | Ceramiales        | Rhodomelaceae      | 2            | 2               | 1         | 1         | 0         |
| <i>Porphyrostromium boryanum</i>       | (Montagne) P.C.Silva, 1996                                | Rhodophyta    | Compsopogonophyceae | Erythropeltidales | Erythrotrichiaceae | 2            | 1               | 1         | 0         | 0         |
| <b><i>Pterosiphonia parasitica</i></b> | (Hudson) Falkenberg, 1901                                 | Rhodophyta    | Floriideophyceae    | Ceramiales        | Rhodomelaceae      | 2            | 2               | 0         | 2         | 0         |
| <i>Punctaria crouanii</i>              | (Thuret) Bornet   | Ochrophyta    | Phaeophyceae        | Ectocarpales      | Chordariaceae      | 2            | 1               | 1         | 0         | 0         |
| <i>Ralfsia verrucosa</i>               | (Areschoug) Areschoug, 1845                               | Ochrophyta    | Phaeophyceae        | Ralfsiales        | Ralfsiaceae        | 2            | 2               | 2         | 0         | 0         |
| <b><i>Saccharina latissima</i></b>     | (Linnaeus) C.E.Lane, C.Mayes, Druehl & G.W.Saunders, 2006 | Ochrophyta    | Phaeophyceae        | Laminariales      | Laminariaceae      | 2            | 1               | 0         | 1         | 0         |
| <i>Ulothrix speciosa</i>               | (Carmichael) Kützing, 1849                                | Chlorophyta   | Ulvophyceae         | Ulotrichales      | Ulotrichaceae      | 2            | 2               | 2         | 0         | 0         |
| <i>Ulva incurvata</i>                  | Parriaud, 1959  | Chlorophyta   | Ulvophyceae         | Ulvales           | Ulvaceae           | 2            | 2               | 0         | 0         | 2         |
| <i>Vaucheria synandra</i>              | Woronin, 1869   | Ochrophyta    | Xanthophyceae       | Vaucheriales      | Vaucheriaceae      | 2            | 1               | 0         | 0         | 1         |
| <b><i>Zanardinia collaris</i></b>      | (Montagne) P.L.Crouan & H.M.Crouan, 1857                  | Ochrophyta    | Phaeophyceae        | Cutleriales       | Cutleriaceae       | 2            | 2               | 0         | 0         | 2         |
| <i>Acrochaetium</i>                    | (Darbishire) Batters, 1902                                | Rhodophyta    | Floriideophyceae    | Acrochaetiales    | Acrochaetiaceae    | 1            | 1               | 0         | 0         | 1         |
| <i>Acrochaetium endozoicum</i>         | (Darbishire) Batters, 1902                                | Rhodophyta    | Floriideophyceae    | Acrochaetiales    | Acrochaetiaceae    | 1            | 1               | 0         | 1         | 0         |
| <i>Acrochaetium subtilissimum</i>      | (Kützing) G.Hamel, 1927                                   | Rhodophyta    | Floriideophyceae    | Acrochaetiales    | Acrochaetiaceae    | 1            | 1               | 0         | 1         | 0         |



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| <i>Taxon name</i>                   | <i>Authority</i>                          | <i>Phylum</i> | <i>Class</i>     | <i>Order</i>      | <i>Family</i>     | <i>Total</i> | <i>T1+T2+T3</i> | <i>T1</i> | <i>T2</i> | <i>T3</i> |
|-------------------------------------|---|---------------|------------------|-------------------|-------------------|--------------|-----------------|-----------|-----------|-----------|
| <i>Acrosiphonia spinescens</i>      | (Kützing) Kjellman, 1893                  | Chlorophyta   | Ulvophyceae      | Ulotrichales      | Ulotrichaceae     | 1            | 1               | 0         | 0         | 1         |
| <i>Aglaothamnion scopulorum</i>     | (C.Agardh) Feldmann-Mazoyer, 1941         | Rhodophyta    | Floriideophyceae | Ceramiales        | Callithamniaceae  | 1            | 0               | 0         | 0         | 0         |
| <i>Aglaothamnion tripinnatum</i>    | (C.Agardh) Feldmann-Mazoyer, 1941         | Rhodophyta    | Floriideophyceae | Ceramiales        | Callithamniaceae  | 1            | 1               | 0         | 1         | 0         |
| <b><i>Alaria esculenta</i></b>      | (Linnaeus) Greville, 1830                 | Ochrophyta    | Phaeophyceae     | Laminariales      | Alariaceae        | 1            | 0               | 0         | 0         | 0         |
| <i>Asperococcus ensiformis</i>      | (Delle Chiaje) M.J.Wynne, 2003            | Ochrophyta    | Phaeophyceae     | Ectocarpales      | Chordariaceae     | 1            | 1               | 0         | 1         | 0         |
| <i>Bolbocoleon piliferum</i>        | N.Pringsheim, 1862                        | Chlorophyta   | Ulvophyceae      | Ulvales           | Bolbocoleonaceae  | 1            | 0               | 0         | 0         | 0         |
| <i>Boreolithon van-heurckii</i>     | (Heydrich) A.S.Harvey & Woelkerling, 1995 | Rhodophyta    | Floriideophyceae | Corallinales      | Hapalidiaceae     | 1            | 1               | 0         | 1         | 0         |
| <i>Callithamnion</i>                | Lyngbye, 1819                             | Rhodophyta    | Floriideophyceae | Ceramiales        | Callithamniaceae  | 1            | 1               | 0         | 0         | 1         |
| <i>Callithamnion dudresnayi</i>     | P.L.Crouan & H.M.Crouan                   | Rhodophyta    | Floriideophyceae | Ceramiales        | Callithamniaceae  | 1            | 1               | 0         | 1         | 0         |
| <i>Capsosiphon fulvescens</i>       | (C.Agardh) Setchell & N.L.Gardner, 1920   | Chlorophyta   | Ulvophyceae      | Ulvales           | Capsosiphonaceae  | 1            | 1               | 1         | 0         | 0         |
| <i>Carpomitra costata</i>           | (Stackhouse) Batters, 1902                | Ochrophyta    | Phaeophyceae     | Sporochnales      | Sporochnaceae     | 1            | 1               | 0         | 0         | 1         |
| <i>Chaetomorpha capillarlis</i>     | (Kützing) Borgesen, 1925                  | Chlorophyta   | Ulvophyceae      | Cladophorales     | Cladophoraceae    | 1            | 0               | 0         | 0         | 0         |
| <i>Chlorochytrium lemnae</i>        | Cohn, 1872                                | Chlorophyta   | Chlorophyceae    | Chlamydomonadales | Chlorochytriaceae | 1            | 1               | 0         | 0         | 1         |
| <i>Cladophora fracta</i>            | (O.F.Müller ex Vahl) Kützing, 1843        | Chlorophyta   | Ulvophyceae      | Cladophorales     | Cladophoraceae    | 1            | 0               | 0         | 0         | 0         |
| <i>Cladosiphon zosteriae</i>        | (J.Agardh) Kylin, 1940                    | Ochrophyta    | Phaeophyceae     | Ectocarpales      | Chordariaceae     | 1            | 1               | 1         | 0         | 0         |
| <i>Colaconema infestans</i>         | (M.A.Howe & Hoyt) Woelkerling, 1973       | Rhodophyta    | Floriideophyceae | Colaconematales   | Colaconemataceae  | 1            | 0               | 0         | 0         | 0         |
| <b><i>Cutleria</i></b>              | Greville, 1830                            | Ochrophyta    | Phaeophyceae     | Cutleriales       | Cutleriaceae      | 1            | 1               | 1         | 0         | 0         |
| <i>Cylindrocarpus microscopicus</i> | P.L.Crouan & H.M.Crouan, 1851             | Ochrophyta    | Phaeophyceae     | Ectocarpales      | Chordariaceae     | 1            | 1               | 1         | 0         | 0         |
| <i>Cystoseira nodicaulis</i>        | (Withering) M.Roberts, 1967               | Ochrophyta    | Phaeophyceae     | Fucales           | Sargassaceae      | 1            | 0               | 0         | 0         | 0         |

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|--------------------------------------|---|---------------|---------------------|-------------------|--------------------|--------------|-----------------|-----------|-----------|-----------|
| <i>Dasya ocellata</i>                | (Grateloup) Harvey, 1833                    | Rhodophyta    | Florideophyceae     | Ceramiales        | Dasyaceae          | 1            | 1               | 0         | 1         | 0         |
| <i>Derbesia marina</i>               | (Lyngbye) Solier, 1846                      | Chlorophyta   | Ulvophyceae         | Bryopsidales      | Derbesiaceae       | 1            | 1               | 0         | 0         | 1         |
| <i>Erythrodermis traillii</i>        | (Holmes ex Batters) Guiry & Garbary, 1990   | Rhodophyta    | Florideophyceae     | Gigartinales      | Phylloporaceae     | 1            | 1               | 0         | 0         | 1         |
| <i>Erythrotrichia wehwitschii</i>    | (Ruprecht) Batters, 1902                    | Rhodophyta    | Compsopogonophyceae | Erythropeltidales | Erythrotrichiaceae | 1            | 0               | 0         | 0         | 0         |
| <i>Feldmannia mitchelliae</i>        | (Harvey) H.-S.Kim, 2010                     | Ochrophyta    | Phaeophyceae        | Ectocarpales      | Acinetosporaceae   | 1            | 1               | 1         | 0         | 0         |
| <b><i>Gastroclonium reflexum</i></b> | (Chauvin) Kützing, 1849                     | Rhodophyta    | Florideophyceae     | Rhodymeniales     | Champiaceae        | 1            | 1               | 0         | 0         | 1         |
| <i>Giraudia sphacelarioides</i>      | Derbès & Solier, 1851                       | Ochrophyta    | Phaeophyceae        | Ectocarpales      | Chordariaceae      | 1            | 1               | 1         | 0         | 0         |
| <b><i>Hildenbrandia</i></b>          | Nardo, 1834                                 | Rhodophyta    | Florideophyceae     | Hildenbrandiales  | Hildenbrandiaceae  | 1            | 1               | 1         | 0         | 0         |
| <i>Hincksia granulosa</i>            | (Smith) P.C.Silva, 1987                     | Ochrophyta    | Phaeophyceae        | Ectocarpales      | Acinetosporaceae   | 1            | 1               | 1         | 0         | 0         |
| <i>Hincksia secunda</i>              | (Kützing) P.C.Silva, 1987                   | Ochrophyta    | Phaeophyceae        | Ectocarpales      | Acinetosporaceae   | 1            | 0               | 0         | 0         | 0         |
| <i>Jania squamata</i>                | (Linnaeus) J.H.Kim, Guiry & H.-G.Choi, 2007 | Rhodophyta    | Florideophyceae     | Corallinales      | Corallinaceae      | 1            | 1               | 1         | 0         | 0         |
| <i>Lemanea fluviatilis</i>           | (Linnaeus) C.Agardh, 1811                   | Rhodophyta    | Florideophyceae     | Batrachospermales | Lemaneaceae        | 1            | 1               | 0         | 0         | 1         |
| <i>Monostroma</i>                    | Thuret, 1854                                | Chlorophyta   | Ulvophyceae         | Ulotrichales      | Gomontiaceae       | 1            | 1               | 0         | 0         | 1         |
| <i>Myrionema magnusii</i>            | (Sauvageau) Loiseaux, 1967                  | Ochrophyta    | Phaeophyceae        | Ectocarpales      | Chordariaceae      | 1            | 0               | 0         | 0         | 0         |
| <i>Neosiphonia sertularioides</i>    | (Grateloup) K.W.Nam & P.J.Kang, 2012        | Rhodophyta    | Florideophyceae     | Ceramiales        | Rhodomelaceae      | 1            | 1               | 1         | 0         | 0         |
| <b><i>Osmundea</i></b>               | Stackhouse, 1809                            | Rhodophyta    | Florideophyceae     | Ceramiales        | Rhodomelaceae      | 1            | 1               | 1         | 0         | 0         |
| <i>Percursaria percursa</i>          | (C.Agardh) Rosenvinge, 1893                 | Chlorophyta   | Ulvophyceae         | Ulvaes            | Ulvaceae           | 1            | 1               | 1         | 0         | 0         |
| <i>Petalonia zosterifolia</i>        | (Reinke) Kuntze, 1898                       | Ochrophyta    | Phaeophyceae        | Scytosiphonales   | Scytosiphonaceae   | 1            | 0               | 0         | 0         | 0         |
| <b><i>Peyssonnelia dubyi</i></b>     | P.L.Crouan & H.M.Crouan, 1844               | Rhodophyta    | Florideophyceae     | Peyssonneliales   | Peyssonneliaceae   | 1            | 1               | 0         | 1         | 0         |

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|--|--|---------------|---------------------|-------------------|--------------------|--------------|-----------------|-----------|-----------|-----------|
| <i>Phymatolithon calcareum</i>         | (Pallas) W.H.Adey & D.L.McKibbin, 1970       | Rhodophyta    | Florideophyceae     | Corallinales      | Hapalidiaceae      | 1            | 1               | 1         | 0         | 0         |
| <i>Phymatolithon lenormandii</i>       | (Areschoug) W.H.Adey, 1966                   | Rhodophyta    | Florideophyceae     | Corallinales      | Hapalidiaceae      | 1            | 1               | 1         | 0         | 0         |
| <i>Polysiphonia rhunensis</i>          | Thuret, 1878                                 | Rhodophyta    | Florideophyceae     | Ceramiales        | Rhodomelaceae      | 1            | 1               | 1         | 0         | 0         |
| <i>Polysiphonia simulans</i>           | Harvey, 1849                                 | Rhodophyta    | Florideophyceae     | Ceramiales        | Rhodomelaceae      | 1            | 1               | 1         | 0         | 0         |
| <i>Polysiphonia subulifera</i>         | (C.Agardh) Harvey, 1834                      | Rhodophyta    | Florideophyceae     | Ceramiales        | Rhodomelaceae      | 1            | 1               | 0         | 0         | 1         |
| <i>Porphyropsis coccinea</i>           | (J.Agardh ex Areschoug) Rosenvinge, 1909     | Rhodophyta    | Compospogonophyceae | Erythropeltidales | Erythrotrichiaceae | 1            | 1               | 0         | 0         | 1         |
| <i>Prasiola crispa</i>                 | (Lightfoot) Kützing, 1843                    | Chlorophyta   | Trebouxiophyceae    | Prasiolales       | Prasiolaceae       | 1            | 1               | 0         | 0         | 1         |
| <b><i>Pterosiphonia complanata</i></b> | (Clemente) Falkenberg, 1897                  | Rhodophyta    | Florideophyceae     | Ceramiales        | Rhodomelaceae      | 1            | 1               | 0         | 1         | 0         |
| <b><i>Rhodomela lycopodioides</i></b>  | (Linnaeus) C.Agardh, 1822                    | Rhodophyta    | Florideophyceae     | Ceramiales        | Rhodomelaceae      | 1            | 1               | 0         | 0         | 1         |
| <i>Rosenvingiella polyrhiza</i>        | (Rosenvinge) P.C.Silva, 1957                 | Chlorophyta   | Trebouxiophyceae    | Prasiolales       | Prasiolaceae       | 1            | 1               | 0         | 0         | 1         |
| <b><i>Sargassum muticum</i></b>        | (Yendo) Fensholt, 1955                       | Ochrophyta    | Phaeophyceae        | Fucales           | Sargassaceae       | 1            | 0               | 0         | 0         | 0         |
| <i>Sphacelaria plumula</i>             | Zanardini, 1864                              | Ochrophyta    | Phaeophyceae        | Sphacelariales    | Sphacelariaceae    | 1            | 1               | 0         | 0         | 1         |
| <i>Stilophora nodulosa</i>             | (C.Agardh) P.C.Silva, 1996                   | Ochrophyta    | Phaeophyceae        | Ectocarpales      | Chordariaceae      | 1            | 0               | 0         | 0         | 0         |
| <i>Stilopsis lejolisii</i>             | (Thuret) Kuckuck & Nienburg ex G.Hamel, 1937 | Ochrophyta    | Phaeophyceae        | Ectocarpales      | Chordariaceae      | 1            | 1               | 1         | 0         | 0         |
| <i>Streblonema collinsii</i>           | E.Taskin, M.J.Wynne & M.Ä-ztürk, 2001        | Ochrophyta    | Phaeophyceae        | Ectocarpales      | Chordariaceae      | 1            | 1               | 1         | 0         | 0         |
| <i>Ulothrix subflaccida</i>            | Wille, 1901                                  | Chlorophyta   | Ulvophyceae         | Ulotrichales      | Ulotrichaceae      | 1            | 1               | 1         | 0         | 0         |
| <i>Ulva rigida</i>                     | C.Agardh, 1823                               | Chlorophyta   | Ulvophyceae         | Ulvales           | Ulvaceae           | 1            | 0               | 0         | 0         | 0         |

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|-------------------------------|---|---------------|---------------|--------------|---------------|--------------|-----------------|-----------|-----------|-----------|
| <i>Ulve</i>                   | (Reinke) R.Nielsen,<br>C.J.O'Kelly & B.Wysor,<br>2013 | Chlorophyta   | Ulvophyceae   | Ulvales      | Ulvellaceae   | 1            | 1               | 0         | 0         | 1         |
| <i>Urospora wormskioldii</i>  | (Mertens ex Hornemann)<br>Rosenvinge, 1893            | Chlorophyta   | Ulvophyceae   | Ulotrichales | Ulotrichaceae | 1            | 0               | 0         | 0         | 0         |
| <i>Vaucheria fontinalis</i>   | (Linnaeus)<br>T.A.Christensen, 1868                   | Ochrophyta    | Xanthophyceae | Vaucheriales | Vaucheriaceae | 1            | 1               | 1         | 0         | 0         |
| <i>Vaucheria piloboloides</i> | Thuret, 1854  | Ochrophyta    | Xanthophyceae | Vaucheriales | Vaucheriaceae | 1            | 0               | 0         | 0         | 0         |
| <i>Vaucheria velutina</i>     | C.Agardh, 1824  | Ochrophyta    | Xanthophyceae | Vaucheriales | Vaucheriaceae | 1            | 1               | 0         | 1         | 0         |