| Scientific name | Traits in analysis |
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| Pterygophora californica | 200 cm, upright posture, stipate, irregular branching, terete branch shape, many large blades, not calcified, perennial, hapterous attachment, 13.4 C:N, Pmax = 1.473, α = 0.011 |
| Stephanocystis osmundacea | 800 cm, upright posture, stipate, branching off main axis, terete branch shape, many small blades, not calcified, perennial, discoid attachment, 19.9 C:N, Pmax = 2.281, α = 0.033 |
| Corallina officinalis | 20 cm, upright or crustose posture, no stipe, pinnate branching, flattened branch shape, no blades, calcified, perennial, crustose, 8.8 C:N, Pmax = 2.991, α = 0.148 |
| Desmarestia ligulata | 100 cm, flexible posture, no stipe, irregular branching, flattened branch shape, many small blades, not calcified, annual or perennial, discoid attachment, 10.5 C:N, Pmax = 3.414, α = 0.045 |
| Rhodymenia californica | 11 cm, upright posture, stipate, dichotomous branching, flattened branch shape, many small blades, not calcified, perennial, stoloniferous attachment, 7.8 C:N, Pmax = 1.735, α = 0.068 |
| Chondracanthus corymbiferus; Chondracanthus exasperatus | 100 cm, upright posture, stipate, irregular branching, flattened branch shape, many small blades, not calcified, perennial, discoid attachment, 11.9 C:N, Pmax = 1.532, α = 0.013 |
| Bossiella orbigniana | 21 cm, upright or crustose posture, no stipe, dichotomous branching, flattened branch shape, no blades, calcified, perennial, crustose, 6.9 C:N, no Pmax data, no α data |
| Acrosorium ciliolatum | 20 cm, upright posture, no stipe, irregular branching, flattened branch shape, many small blades, not calcified, perennial, rhizoidal attachment, no C:N data, no Pmax data, no α data |
| Nienburgia andersoniana | no size data, upright or prostrate posture, no stipe, irregular branching, flattened branch shape, many small blades, not calcified, annual, discoid attachment, no C:N data, no Pmax data, no α data |
| Calliarthron cheilosporioides | 30 cm, upright or crustose posture, no stipe, pinnate branching, flattened branch shape, no blades, calcified, perennial, crustose, no C:N data, no Pmax data, no α data |
| Gymnogongrus spp. | 25 cm, upright posture, no stipe, dichotomous branching, varied branch shape, many small blades, not calcified, perennial, discoid attachment, 10.3 C:N, no Pmax data, no α data |
| Gracilaria spp. | 200 cm, upright posture, no stipe, irregular branching, varied branch shape, no blades, not calcified, perennial, discoid attachment, 7.7 C:N, Pmax = 2.351, α = 0.025 |
| Dictyota binghamiae; Dictyota flabellata; Dictyota coriacea | 35 cm, upright posture, no stipe, dichotomous branching, flattened branch shape, many small blades, not calcified, annual, stoloniferous attachment, no C:N data, Pmax = 3.212, α = 0.066 |
| Gelidium spp. | 30 cm, upright posture, no stipe, irregular branching, terete branch shape, no blades, not calcified, perennial, rhizoidal attachment, no C:N data, no Pmax data, no α data |
| Taonia lennebackerae | 90 cm, upright posture, no stipe, unbranched, no branch shape (because no branching), many small blades, not calcified, perennial, rhizoidal attachment, no C:N data, no Pmax data, no α data |
| Prionitis linearis | 20 cm, upright posture, no stipe, dichotomous branching, terete branch shape, no blades, not calcified, perennial, discoid attachment, no C:N data, no Pmax data, no α data |
| Laurencia spp. | 30 cm, upright posture, no stipe, pinnate branching, varied branch shape, many small blades, not calcified, perennial, rhizomal attachment, no C:N data, Pmax = 3.738, α = 0.094 |
| Laminaria farlowii | 500 cm, flexible posture, stipate, unbranched, no branch shape (because no branching), single blade, not calcified, perennial, hapterous attachment, 12.3 C:N, Pmax = 1.125, α = 0.005 |
| Colpomenia peregrina | 10 cm, upright posture, no stipe, unbranched, no branch shape (because no branching), no blades, not calcified, annual, discoid attachment, no C:N data, no Pmax data, no α data |
| Scinaia confusa | 15 cm, upright posture, no stipe, dichotomous branching, terete branch shape, no blades, not calcified, perennial, discoid attachment, no C:N data, no Pmax data, no α data |
| Callophyllis flabellulata | 18 cm, upright posture, no stipe, irregular branching, flattened branch shape, many small blades, not calcified, perennial, discoid attachment, 7.5 C:N, Pmax = 4.435, α = 0.24 |
| Cryptopleura ruprechtiana | 50 cm, upright posture, no stipe, dichotomous branching, flattened branch shape, many small blades, not calcified, perennial, discoid attachment, 8.5 C:N, Pmax = 1.471, α = 0.03 |
| Polyneura latissima | 45 cm, upright posture, stipate, irregular branching, flattened branch shape, many small blades, not calcified, annual, discoid attachment, 6.1 C:N, Pmax = 6.035, α = 0.138 |
| Cladophora graminea | 10 cm, upright posture, no stipe, dichotomous branching, terete branch shape, no blades, not calcified, unknown longevity, rhizoidal attachment, no C:N data, no Pmax data, no α data |
| Dictyopteris undulata | 24 cm, flexible posture, no stipe, dichotomous branching, terete branch shape, many small blades, not calcified, annual, rhizoidal attachment, no C:N data, no Pmax data, no α data |
| Hildenbrandia spp. | 0.045 cm, crustose posture, no stipe, unbranched, no branch shape (because no branching), no blades, not calcified, perennial, crustose, no C:N data, no Pmax data, no α data |
| Ulva spp. | 2 cm, upright posture, no stipe, unbranched, no branch shape (because no branching), many small blades, not calcified, perennate, rhizoidal attachment, no C:N data, no Pmax data, no α data |
| Sargassum muticum | 200 cm, flexible posture, stipate, dichotomous branching, terete branch shape, many small blades, not calcified, annual or perennial, discoid attachment, no C:N data, Pmax = 5.766, α = 0.171 |
| Egregia menziesii | 1500 cm, flexible posture, stipate, irregular branching, flattened branch shape, many small blades, not calcified, perennial, hapterous attachment, no C:N data, Pmax = 1.855, α = 0.008 |
| Sargassum horneri | 300 cm, flexible posture, stipate, branching off main axis, terete branch shape, many small blades, not calcified, unknown longevity, discoid attachment, no C:N data, Pmax = 3.758, α = 0.104 |
| Prionitis lanceolata | 30 cm, upright posture, stipate, dichotomous branching, flattened branch shape, many small blades, not calcified, annual, discoid attachment, no C:N data, no Pmax data, no α data |
| Lithothrix aspergillum | 13 cm, upright posture, no stipe, dichotomous branching, terete branch shape, no blades, calcified, perennial, crustose, no C:N data, no Pmax data, no α data |
| Halosaccion glandiforme | 25 cm, upright posture, stipate, unbranched, no branch shape (because no branching), no blades, not calcified, perennial, discoid attachment, no C:N data, no Pmax data, no α data |
| Gloiocladia fryeana | 34 cm, upright or prostrate posture, no stipe, irregular branching, flattened branch shape, many small blades, not calcified, perennial, discoid attachment, no C:N data, no Pmax data, no α data |
| Chondracanthus spinosus | 40 cm, upright posture, stipate, irregular branching, flattened branch shape, single blade, not calcified, perennial, discoid attachment, no C:N data, no Pmax data, no α data |
| Stenogramma californicum | 20 cm, upright posture, no stipe, dichotomous branching, flattened branch shape, many small blades, not calcified, perennial, discoid attachment, no C:N data, no Pmax data, no α data |
| Phycodrys setchellii | 20 cm, upright posture, no stipe, dichotomous branching, flattened branch shape, many small blades, not calcified, annual, rhizoidal attachment, no C:N data, no Pmax data, no α data |
| Codium fragile | 41 cm, flexible posture, no stipe, dichotomous branching, terete branch shape, no blades, not calcified, unknown longevity, discoid attachment, no C:N data, no Pmax data, no α data |
| Anisocladella pacifica | 5 cm, upright posture, stipate, irregular branching, flattened branch shape, many small blades, not calcified, perennial, stoloniferous attachment, no C:N data, no Pmax data, no α data |
| Sarcodiotheca furcata | 25 cm, upright posture, stipate, dichotomous branching, flattened branch shape, many small blades, not calcified, perennial, discoid attachment, no C:N data, no Pmax data, no α data |
| Osmundea spectabilis | 30 cm, flexible posture, no stipe, branching off main axis, flattened branch shape, many small blades, not calcified, perennial, discoid attachment, no C:N data, no Pmax data, no α data |