| scientific\_name | cluster | size\_cm | thickness | position\_to\_benthos | articulated | stipe | midrib | branching | branch\_shape | blades | blade\_category | coenocyte | attachment | tissue\_complexity | growth | calcification |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Amphiroa beauvoisii | 1 | 6 | 4 | upright or crustose | y | n | n | dichotomous | varied | not leaflike | none | n | crustose | pseudoparenchymatous | intercalary or diffuse | y |
| Bossiella orbigniana | 1 | 21 | 4 | upright or crustose | y | n | y | dichotomous | flattened | not leaflike | none | n | crustose | pseudoparenchymatous | apical | y |
| Calliarthron cheilosporioides | 1 | 30 | 4 | upright or crustose | y | n | n | pinnate | flattened | not leaflike | none | n | crustose | pseudoparenchymatous | intercalary or diffuse | y |
| Corallina officinalis | 1 | 20 | 4 | upright or crustose | y | n | n | pinnate | flattened | not leaflike | none | n | crustose | pseudoparenchymatous | apical | y |
| Lithothrix aspergillum | 1 | 13 | 4 | upright | y | n | n | dichotomous | terete | not leaflike | none | n | crustose | pseudoparenchymatous | apical | y |
| Anisocladella pacifica | 2 | 5 | 1 | upright | n | y | y | irregular | flattened | leaflike | many small | n | stolon | pseudoparenchymatous | apical | n |
| Acrosorium ciliolatum | 2 | 20 | 1 | upright | n | n | n | irregular | flattened | not leaflike | many small | n | rhizoidal | pseudoparenchymatous | apical | n |
| Chondracanthus corymbiferus; Chondracanthus exasperatus | 2 | 100 | 4 | upright | n | y | n | irregular | flattened | leaflike | many small | n | discoid | pseudoparenchymatous | apical | n |
| Callophyllis flabellulata | 2 | 18 | 4 | upright | n | n | n | irregular | flattened | leaflike | many small | n | discoid | pseudoparenchymatous | apical | n |
| Cryptopleura spp. | 2 | 35 | 4 | upright | n | n | n | irregular | flattened | leaflike | many small | n | discoid | pseudoparenchymatous | apical | n |
| Chondracanthus spinosus | 2 | 40 | 4 | upright | n | y | n | irregular | flattened | leaflike | single | n | discoid | pseudoparenchymatous | multiaxial | n |
| Desmarestia ligulata | 2 | 100 | 1 | flexible | n | n | y | irregular | flattened | leaflike | many small | n | discoid | pseudoparenchymatous | trichothallic | n |
| Gloiocladia fryeana | 2 | 34 | 4 | upright or prostrate | n | n | n | irregular | flattened | leaflike | many small | n | discoid | pseudoparenchymatous | apical | n |
| Mazzaella spp. | 2 | 140 | 4 | upright | n | y | n | irregular | varied | leaflike | few large | n | discoid | pseudoparenchymatous | apical | n |
| Osmundea spectabilis | 2 | 30 | 4 | flexible | n | n | n | branching off main axis | flattened | leaflike | many small | n | discoid | pseudoparenchymatous | apical | n |
| Nienburgia andersoniana | 2 |  | 4 | upright or prostrate | n | n | y | irregular | flattened | leaflike | many small | n | discoid | pseudoparenchymatous | apical | n |
| Polyneura latissima | 2 | 45 | 4 | upright | n | y | n | irregular | flattened | leaflike | many small | n | discoid | pseudoparenchymatous | apical | n |
| Cryptopleura ruprechtiana | 3 | 50 | 4 | upright | n | n | n | dichotomous | flattened | leaflike | many small | n | discoid | pseudoparenchymatous | apical | n |
| Dictyota binghamiae; Dictyota flabellata; Dictyota coriacea | 3 | 35 | 4 | upright | n | n | n | dichotomous | flattened | leaflike | many small | n | stolon | parenchymatous | apical | n |
| Gymnogongrus spp. | 3 | 25 | 4 | upright | n | n | n | dichotomous | varied | leaflike | many small | n | discoid | parenchymatous | apical | n |
| Phycodrys setchellii | 3 | 20 | 4 | upright | n | n | y | dichotomous | flattened | leaflike | many small | n | rhizoidal | pseudoparenchymatous | apical | n |
| Prionitis lanceolata | 3 | 30 | 4 | upright | n | y | n | dichotomous | flattened | leaflike | many small | n | discoid | pseudoparenchymatous | apical | n |
| Rhodymenia californica | 3 | 11 | 4 | upright | n | y | n | dichotomous | flattened | leaflike | many small | n | stolon | pseudoparenchymatous | apical | n |
| Sarcodiotheca furcata | 3 | 25 | 4 | upright | n | y | n | dichotomous | flattened | leaflike | many small | n | discoid | pseudoparenchymatous | apical | n |
| Stenogramma californicum | 3 | 20 | 4 | upright | n | n | n | dichotomous | flattened | leaflike | many small | n | discoid | pseudoparenchymatous | apical | n |
| Cladophora graminea | 4 | 10 | 1 | upright | n | n | n | dichotomous | terete | not leaflike | none | y | rhizoidal | filamentous | intercalary or diffuse | n |
| Codium fragile | 4 | 41 | 1 | flexible | n | n | n | dichotomous | terete | not leaflike | none | y | discoid | unicellular | centripetal invagination | n |
| Colpomenia peregrina | 4 | 10 | 4 | upright | n | n | n | unbranched | none | not leaflike | none | n | discoid | parenchymatous | diffuse | n |
| Hildenbrandia spp. | 4 | 0 | 4 | crustose | n | n | n | unbranched | none | not leaflike | none | n | crustose | pseudoparenchymatous | apical | n |
| Gelidium spp. | 4 | 30 | 3 | upright | n | n | n | irregular | terete | not leaflike | none | n | rhizoidal | pseudoparenchymatous | apical | n |
| Gracilaria spp. | 4 | 200 | 3 | upright | n | n | n | irregular | varied | not leaflike | none | n | discoid | pseudoparenchymatous | apical | n |
| Halosaccion glandiforme | 4 | 25 | 4 | upright | n | y | n | unbranched | none | not leaflike | none | n | discoid | pseudoparenchymatous | apical | n |
| Agardhiella subulata | 4 | 40 | 4 | upright | n | n | n | alternate | terete | not leaflike | none | n | discoid | filamentous | apical | n |
| Prionitis linearis | 4 | 20 | 4 | upright | n | n | n | dichotomous | terete | not leaflike | none | n | discoid | pseudoparenchymatous | apical | n |
| Scinaia confusa | 4 | 15 | 4 | upright | n | n | n | dichotomous | terete | not leaflike | none | n | discoid | parenchymatous | apical | n |
| Stephanocystis osmundacea | 5 | 800 | 4 | upright | n | y | y | branching off main axis | terete | leaflike | many small | n | discoid | parenchymatous | apical | n |
| Egregia menziesii | 5 | 1,500 | 4 | flexible | n | y | y | irregular | flattened | leaflike | many small | n | hapterous | parenchymatous | apical | n |
| Sargassum horneri | 5 | 300 | 4 | flexible | n | y | n | branching off main axis | terete | leaflike | many small | n | discoid | parenchymatous | apical | n |
| Sargassum muticum | 5 | 200 | 4 | flexible | n | y | n | dichotomous | terete | leaflike | many small | n | discoid | parenchymatous | apical | n |
| Dictyopteris undulata | 6 | 24 | 3 | flexible | n | n | y | dichotomous | terete | leaflike | many small | n | rhizoidal | parenchymatous | apical | n |
| Laurencia spp. | 6 | 30 | 4 | upright | n | n | n | pinnate | varied | leaflike | many small | n | rhizomal | parenchymatous | apical | n |
| Scytosiphon lomentaria | 6 | 70 | 4 | upright | n | n | n | unbranched | none | not leaflike | none | n | discoid | parenchymatous | intercalary | n |
| Taonia lennebackerae | 6 | 90 | 4 | upright | n | n | n | unbranched | none | leaflike | many small | n | rhizoidal | parenchymatous | apical | n |
| Ulva spp. | 6 | 2 | 4 | upright | n | n | n | unbranched | none | leaflike | many small | n | rhizoidal | parenchymatous | diffuse | n |
| Eisenia arborea | 7 | 200 | 4 | upright | n | y | n | bifurcate | terete | leaflike | many large | n | hapterous | parenchymatous | intercalary | n |
| Laminaria farlowii | 7 | 500 | 4 | flexible | n | y | n | unbranched | none | leaflike | single | n | hapterous | parenchymatous | intercalary | n |
| Pterygophora californica | 7 | 200 | 4 | upright | n | y | n | irregular | terete | leaflike | many large | n | hapterous | parenchymatous | intercalary | n |