Tabla 1.- Listado de especies por ambiente en la zona costera Norte de Yucatán.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Arrecifal | Costero | Lagunar | Referencia |
| **CLOROPHYTA** |
| UlvophyceaeBryopsidalesBryopsidaceae |
| *Bryopsis hypnoides* J. V. Lamouroux  |  |  | X | 6 |
| *Bryopsis pennata* J. V. Lamouroux  | X |  |  | 6 |
| *Bryopsis plumosa* (Hudson) C. Agardh  |  | X |  | 6 |
| Caulerpaceae |
| *Caulerpa ambigua* Okamura  | X |  |  | 6 |
| *Caulerpa ashmeadii* Harvey  | X | X | X | 9 |
| *Caulerpa brachypus* Harvey  | X |  |  | 13 |
| *Caulerpa chemnitzia* (Esper) J. V . Lamouroux  | X | X |  | 2 (como *Caulerpa peltata*) |
| *Caulerpa cupressoides* (Vahl) C. Agardh var. *cupressoides* | X | X | X | 2 |
| *Caulerpa cupressoides var flabellata* Børgesen  | X |  | X | 9 |
| *Caulerpa cupressoides var lycopodium* Weber Bosse  | X |  |  | 7 |
| *Caulerpa cupressoides var mamillosa* (Montagne) Weber Bosse  | X |  |  | 7 |
| *Caulerpa cupressoides var turneri* Weber Bosse  | X |  |  | 9 |
| *Caulerpa fastigiata* Montagne  | X | X | X | 2 |
| *Caulerpa floridana* W. R. Tylor  |  | X |  | \*UADY 933 |
| *Caulerpa lamourouxii* (Turner) C. Agardh  |   | X |  | \*UADY 1791 |
| *Caulerpa lanuginosa* J. Agardh  |  | X |  | 15 |
| *Caulerpa mexicana* Sonder ex Kûtzing  | X | X |  | 2 |
| *Caulerpa microphysa* (Weber Bosse) Feldmann  | X | X |  | 18 |
| *Caulerpa ollivieri* Dostál | X | X |  | 16 |
| *Caulerpa paspaloides* (Bory) Greville |  | X | X | 6 |
| *Caulerpa paspaloides var compressa* (Weber Bosse) M. Howe  |  | X |  | \*ENCB 18512 |
| *Caulerpa paspaloides var wurdemannii* Weber Bosse  |  | X |  | 9 |
| *Caulerpa prolifera* (Forsskål) J. V. Lamouroux  |  | X | X | 2 |
| *Caulerpa prolifera* f*. obovata* (J. Agardh) Weber Bosse |  | X |  | 2 |
| *Caulerpa prolifera* f*. zosterifolia* Børgesen  |  | X |  | 9 |
| *Caulerpa racemosa* (Forsskål) J. Agardh var. *racemosa* | X | X |  | 9 |
| *Caulerpa racemosa var macrophysa* (Sonder ex Kützing) W. R. Taylor  | X | X |  | 7 |
| *Caulerpa sertularioides* (S. G. Gmelin) M. Howe f. *sertularioides* | X | X | X | 9 |
| *Caulerpa sertularioides* f. *longipes* (J. Agardh) Collins. | X |  |  | 7 (como *C.sertularioides* f. *farlowii*) |
| *Caulerpa sertularioides* f. *longiseta* (Bory) Svedeius  |  | X |  | 2 |
| *Caulerpa verticillata* J. Agardh  | X | X | X | 9 |
| *Caulerpa webbiana* Montagne  | X |  |  | 13 |
| *Caulerpa wysorii* T. Sauvage & M. J. Wynne  |  | X |  | 21 |
| Codiaceae |
| *Codium decorticatum* (Woodward) M. Howe  |  | X | X | \*UADY 116 |
| *Codium fragile* (Suringar) Hariot  |  |  | X | \*UADY 877 |
| *Codium isthmocladum* Vickers | X | X | X | 6 |
| *Codium taylorii* P. C. Silva |  | X | X | 6 |
| Derbesiaceae |
| *Derbesia marina* (Lyngbye) Solier  |  |  | X | 6 |
| *Derbesia osterhoutii* (L. R. Blinks & A. C. H. Blinks) J. Z. Page |  | X |  | 6 |
| *Derbesia vauecheriiformis* (Harvey) J.Agardh  | X |  |  | 6 |
| *Pedobesia simplex* (Meneghini ex Kützing) M. J. Wynne & Leliaert | X |  |  | 6 |
| Dichotomosiphonaceae |  |  |  |  |
| *Avrainvillea elliottii* A. Gepp & E. S. Gepp  |  | X |  | 9 |
| *Avrainvillea levis* M. Howe | X |  |  | 6 |
| *Avrainvillea longicaulis* (Kützing) G. Murray & Boodle  | X | X |  | 6 |
| *Avrainvillea nigricans* Decaisne  | X | X | X | 6 |
| Halimedaceae |  |  |  |  |
| *Boodleopsis pusilla* (Collins) W. R. Taylor *et al.* | X |  |  | 9 |
| *Halimeda discoidea* Decaisne  | X | X |  | 13 |
| *Halimeda favulosa* M. Howe  |  | X |  | \*UADY 775 |
| *Halimeda goreaui* W. R. Taylor  | X | X |  | \*ENCB 16515 |
| *Halimeda incrassata* (J. Ellis) J. V. Lamouroux  | X | X | X | 6 |
| *Halimeda lacrimosa* M. Howe  |  | X | X | 6 |
| *Halimeda monile* (J. Ellis & Solander) J. V. Lamouroux  | X | X |  | 6 |
| *Halimeda opuntia* (Linnaeus) J. V. Lamouroux  | X | X | X | 6 |
| *Halimeda scabra* M. Howe  | X | X |  | 6 |
| *Halimeda simulans* M. Howe  | X | X |  | 6 |
| *Halimeda tuna* (J. Ellis & Solander) J. V. Lamouroux | X | X |  | 6 |
| *Penicillus capitatus* Lamarck | X | X | X | 6 |
| *Penicillus dumetosus* (J. V. Lamouroux) Blainville  | X | X | X | 6 |
| *Penicillus lamourouxii* Decaisne  | X | X |  | 6 |
| *Penicillus pyriformis* A. Gepp & E. S. Gepp  | X | X | X | 6 |
| *Rhipocephalus oblongus* (Decaisne) Kützing  | X |  |  | 6 |
| *Rhipocephalus phoenix* (J. Ellis & Solander) Kützing f. *phoenix* | X | X | X | 6 |
| *Rhipocephalus phoenix* f. *brevifolius* A. Gepp & E. S. Gepp  | X | X |  | 9 |
| *Rhipocephalus phoenix* f. *longifolius* A. Gepp & E. S. Gepp  |  | X | X | 15 |
| *Udotea caribaea* D. S. Littler & Littler  |  | X |  | 15 |
| *Udotea conglutinata* (J. Ellis & Solander) J. V. Lamouroux | X | X |  | 6 |
| *Udotea cyathiformis* Decaisne  | X |  |  | 6 |
| *Udotea dixonii* D. S. Littles &. Littler  |  | X |  | 9 |
| *Udotea flabellum* (J. Ellis & Solander) M. Howe  | X | X | X | 6 |
| *Udotea luna* D. S. Littler & Littler  |  | X |  | \*PAPIME1804 |
| *Udotea occidentalis* A. Gepp & E. S. Gepp | X | X |  | 6 |
| *Udotea spinulosa* M. Howe  | X | X | X | 6 |
| *Udotea unistratea* D. S. Littler & Littler  | X |  |  | \*PAPIME219 |
| Ostreobiaceae |
| *Ostreobium quekettii* Bornet & Flahault  | X |  |  | 6 |
| CladophoralesAnadyomenaceae |
| *Anadyomene stellata* (Wulfen) C. Agardh  | X |  |  | 6 |
| *Anadyomene menziesii* (J. E. Gray) J. Agardh |  | X |  | 9 |
| *Microdictyon marinum* (Bory) P. C. Silva | X |  |  | \*UADY S/N |
| Boodleaceae |
| *Boodlea composita* (Harvey) F. Brand  | X |  |  | 6 |
| *Cladophoropsis macromeres* W. R. Taylor  | X |  | X | 6 |
| *Cladophoropsis membranacea* (Hofman Bang ex C. Agardh) Børgesen  | X | X | X | 6 |
| Cladophoraceae |
| *Chaetomorpha aérea* (Dillwyn) Kützing  |  | X |  | 14 |
| *Chaetomorpha antennina* (Bory) Kützing  |  | X |  | 9 |
| *Chaetomorpha brachygona* Harvey  |  |  | X | 6 |
| *Chaetomorpha gracilis* Kützing  | X | X |  | 6 |
| *Chaetomorpha linum* (O. F. Müller) Kützing  | X | X | X | 6 |
| *Chaetomorpha mínima* Collins y Hervey | X |  |  | 6 |
| *Cladophora albida* (Nees) Kützing  |  | X |  | 6 |
| *Cladophora brasiliana*  G.Martens  |  | X |  | 6 |
| *Cladophora catenata* Kützing  | X | X |  | 6 |
| *Cladophora coelothrix* Kützing  | X |  |  | 6 |
| *Cladophora corallicola* Børgesen  |  | X |  | 6 |
| *Cladophora fuliginosa* Kützing  |  | X |  | 20 |
| *Cladophora glomerata var crassior* (C. Agardh) Hoek  | X |  |  | 11 (como *C.crispata)* |
| *Cladophora intertexta* Collins | X |  |  | 6 |
| *Cladophora laetevirens* (Dillwyn) Kützing  | X | X | X | 6 |
| *Cladophora lehmanniana* (Lindenberg) Kützing  |  | X |  | 9 |
| *Cladophora liebetruthii* Grunow  |  | X |  | 9 |
| *Cladophora liniformis* Kützing  |  | X |  | 9 |
| *Cladophora prolifera* (Roth) Küitzing  |  | X |  | 20 |
| *Cladophora serícea* (Hudson) Kützing | X | X |  | 6 |
| *Cladophora vadorum* (Areschoug) Kützing  |  | X |  | 9 |
| *Cladophora vagabunda* (Linnaeus) Hoek  | X | X | X | 6 |
| *Willeella brachyclados* (Montagne) M. J. Wynne  |  | X | X | 7 (como *Cladophora delicatula*) |
| *Pseudorhizoclonium africanum* (Kützing) Boedeker  |  |  | X | 6 |
| *Rhizoclonium crassipellitum* West y G. S. West var. *crassipellitum*  |  | X |  | \*UADY 227 |
| *Rhizoclonium crassipellitum var robustum* G. S. West |  |  | X | \*FCME109380 |
| *Rhizoclonium riparium* (Roth) Harvey  | X | X | X | 6 |
| Siphonocladaceae |
| *Chamaedoris peniculum* (J.Ellis & Solander) Kuntze  |  | X |  | \*PAPIME 419 |
| *Dictyosphaeria cavernosa* (Forsskål) Børgesen  | X |  |  | 6 |
| *Dictyosphaeria ocellata* (M. Howe) Olsen-Stojkovich  | X |  |  | 6 |
| *Siphonocladus rigidus* M. Howe  | X |  |  | 6 |
| *Petrosiphon adhaerens* M. Howe  | X |  |  | 6 |
| Valoniaceae |
| *Valonia utricularis* (Roth) C.Agardh | X |  |  | 6 |
| *Valonia ventricosa* J. Agardh  | X |  |  | 6 |
| DasycladalesDasycladaceae |
| *Batophora oerstedii* J. Agardh  |  | X | X | 6 |
| *Dasycladus vermicularis* (Scopoli) Krasser |  | X |  | \*ENCB 8662 |
| *Neomeris annulata* Dickie  | X |  |  | 6 |
| Polyphysaceae |  |  |  |  |
| *Acetabularia crenulata* J. V. Lamouroux  |  | X | X | 6 |
| UlotrichalesGayraliaceae |
| *Gayralia oxysperma* (Kützing) K. L. Vinogradova ex Scagel *et al*.  |  |  | X | \*FCME109380 |
| Gomontiaceae |
| *Gomontia polyrhiza* (Lagerheim) Bornet & Flahault  | X |  |  | 6 |
| UlvalesKornmanniaceae |
| *Blidingia marginata* (J.Agardh) P. J. L. Dangeard ex Bliding  |  | X |  | 6 |
| *Blidingia mínima* (Nägeli ex Kützing) Kylin |  | X |  | 6 |
| *Pseudendoclonium marinum* (Reinke) Aleem y E. Schulz  | X |  |  | 6 |
| Phaeophilaceae |
| *Phaeophila dendroides* (P. Crouan & H. Crouan) Betters  |  | X |  | 9 |
| Ulvaceae |
| *Ulva chaetomorphoides* (Børgesen) Hayden *et al.* | X | X | X | 6 |
| *Ulva clathrata* (Roth) C. Agardh  | X | X |  | 6 |
| *Ulva compressa* Linnaeus  | X |  |  | 6 |
| *Ulva flexuosa* Wulfen  | X | X | X | 9 |
| *Ulva intestinalis* Linnaeus  |  | X |  | 9 |
| *Ulva lactuca* Linnaeus | X | X | X | 6 |
| *Ulva linza* Linnaeus  | X |  |  | 6 |
| *Ulva prolifera* O. F. Müller | X | X | X | 6 |
| *Ulva rígida* C. Agardh  | X | X | X | \*ENCB 5746 |
| Ulvellaceae |
| *Epicladia ventriculosa* (Børgesen) M. J. Wynne |  | X |  | 9 |
| *Ulvella lens* P. Crouan & H. Crouan  | X |  |  | 9 |
| *Ulvella scutata* (Reinke) R. Nielsen *et al.* | X |  |  | 8 |
| *Ulvella viridis* (Reinke) R. Nielsen *et al.* | X | X |  | 9 |
| **PHAEOPHYCEAE** |
| DictyotalesDictyotaceae |
| *Canistrocarpus cervicornis* (Kützing) De Paula & De Clerck  | X | X | X | 5 |
| *Dictyopteris delicatula* J. V. Lamouroux  | X | X |  | 5 |
| *Dictyopteris jamaicensis* W. R. Taylor  | X | X |  | 5 |
| *Dictyopteris justii* J. V. Lamouroux  |  | X |  | 5 |
| *Dictyopteris plagiogramma* (Montagne) Vickers  | X | X | X | 5 |
| *Dictyopteris polypodioides* (De Candolle) J. V. Lamouroux | X | X |  | 5 |
| *Dictyota bartayresiana* J. V. Lamouroux  | X | X |  | 5 |
| *Dictyota ciliolata* Sonder *ex* Kützing |  | X | X | 5 |
| *Dictyota dichotoma* (Hudson) J. V. Lamouroux  | X | X | X | 5 |
| *Dictyota guineënsis* (Kützing) P. Crouan & H. Crouan  | X | X |  | 5 |
| *Dictyota implexa* (Desfontaines) J. V. Lamouroux  | X |  |  | 5 |
| *Dictyota menstrualis* (Hoyt) Schnetter *et al.* | X | X | X | 5 |
| *Dictyota mertensii* (C. Martius) Kützing  | X |  |  | 5 |
| *Dictyota pinnatifida* Kützing  | X | X |  | 5 |
| *Dictyota pulchella* Hörning & Schnetter  | X | X |  | 5 |
| *Lobophora variegata* (J. V. Lamouroux) Womersley  |  | X |  | 5 |
| *Padina boergesenii* Allender y Kraft  | X | X | X | 5 |
| *Padina gymnospora* (Kützing) Sonder  | X | X | X | 5 |
| *Padina pavonica* (Linnaeus) Thivy  | X | X | X | 5 |
| *Padina perindusiata* Thivy  | X |  |  | \*PAPIME 607 |
| *Padina sanctae-crucis* Børgesen  | X | X |  | 5 |
| *Spatoglossum schroederi* (C. Agardh) Kützing | X | X |  | 5 |
| *Stypopodium zonale* (J. V. Lamouroux) Papenfuss  | X |  |  | 5 |
| *Zonaria tournefortii* (J. V. Lamouroux) Montagne | X | X |  | 5 |
| Ectocarpales Acinetosporaceae |  |  |  |  |
| *Acinetospora crinita* (Carmichael) Sauvageau | X |  |  | 5 |
| *Feldmannia duchassaingiana* (Grunow) Aisha & M. Shameel 2011 |  | X |  | 9 |
| *Feldmannia indica* (Sonder) Womersley & A. Bailey  |  | X |  | 5 |
| *Feldmannia mitchelliae* (Harvey) H.-S. Kim 2010 | X | X |  | 5 |
| Chordariaceae |  |  |  |  |
| *Cladosiphon occidentalis* Kylin | X | X | X | 5 |
| *Cladosiphon zosterae* (J. Agardh) Kylin  | X |  |  | 5 |
| *Levringia brasiliensis* (Montagne) Joly |  |  | X | 9 |
| *Nemacystus howei* (W. R. Taylor) Kylin | X | X |  | 17 |
| Ectocarpaceae |  |  |  |  |
| *Ectocarpus commensalis* Setchell & N. L. Gardner  | X |  |  | 10 (como *E. variabilis*) |
| *Ectocarpus confervoides* Harvey. |  | X |  | 9 |
| *Ectocarpus rallsiae* Vickers. |  | X |  | 5 |
| *Ectocarpus siliculosus* (Dillwyn) Lyngbye var. *siliculosus* |  | X | X | 5 |
| *Ectocarpus siliculosus var. dasycarpus* (Kuckuck) Gallardo. |  | X |  | 9 |
| Scytosiphonaceae |  |  |  |  |
| *Chnoospora mínima* (Hering) Papenfuss  |  | X |  | \*PAPIME 152 |
| *Colpomenia sinuosa* (Mertens ex Roth) Derbès & Solier | X |  |  | 5 |
| *Hydroclathrus clathratus* (C. Agardh) M. Howe | X |  |  | 5 |
| *Rosenvingea endiviifolia* (Martius) M. J. Wynne  |  | X |  | 5 |
| FucalesSargassaceae |  |  |  |  |
| *Sargassum natans* (Linnaeus) Gaillon  | X | X | X | 19 |
| *Sargassum ramifolium* Kützing  |  | X |  | 19 |
| *Turbinaria turbinata* (Linnaeus) Kuntze  | X | X |  | 5 |
| *Turbinaria tricostata* E. S. Barton  | X |  |  | 5 |
| RalfsialesNeoralfsiaceae |  |  |  |  |
| *Neoralfsia expansa* (J. Agardh) P.-E. Lim *et al.* | X |  |  | 5 |
| ScytothammalesAsteronemataceae |  |  |  |  |
| *Asteronema breviarticulatum* (J.Agardh) Ouriques & Bouzon | X |  |  | 5 |
| SphacelarialesSphacelariaceae |
| *Halopteris filicina* (Grateloup) Kützing  |  | X |  | 3 |
| *Sphacelaria brachygonia* Montagne. | X | X |  | 5 |
| *Sphacelaria fusca* (Hudson) S. F. Gray  | X |  |  | 5 |
| *Sphacelaria novae-hollandiae* Sonder |  | X |  | 5 |
| *Sphacelaria rigidula* Kützing  | X | X |  | 5 |
| *Sphacelaria tribuloides* Meneghini  | X | X |  | 5 |
| SporochnalesSporochnaceae |
| *Sporochnus pedunculatus* (Hudson) C. Agardh  | X | X |  | 5 |
| **RHODOPHYTA** |
| BangiophyceaeBangialesBangiaceae |
| *Bangia atropurpurea* (Mertens ex Roth) C. Agardh | X |  |  | 4 |
| ComposopogonophyceaeErythropeltalesErythrotrichiaceae |
| *Erythrotrichia carnea* (Dillwyn) J. Agardh  | X |  |  | 4 |
| *Erythrocladia pinnata* W. R. Taylor  | X |  |  | 4 |
| *Sahlingia subintegra* (Rosenvinge) Kornmann  | X | X |  | 4 |
| FlorideophyceaeAcrochaetialesAcrochaetiaceae |
| *Acrochaetium flexuosum* Vickers  |  | X |  | 12 |
| *Acrochaetium microscopicum* (Nägeli ex Kützing) Nägeli  |  | X |  | 9 |
| Bonnemaisoniales Bonnemaisoniaceae |
| *Asparagopsis taxiformis* (Delile) Trevisan | X |  |  | 14 |
| Ceramiales Callithamniaceae |  |  |  |  |
| *Aglaothamnion cordatum* (Børgesen) Feldmann-Mazoyer  |  | X |  | 4 |
| *Aglaothamnion halliae* (Collins) Aponte *et al.* | X |  |  | 4 |
| *Crouania attenuata* (C. Agardh) J. Agardh  | X |  |  | 4 |
| *Gymnothamnion elegans* (Schousboe ex C. Agardh) J. Agardh  | X |  |  | 4 |
| *Spyridia filamentosa* (Wulfen) Harvey  | X | X | X | 4 |
| *Spyridia hypnoides* (Bory) Papenfuss |  | X | X | 4 |
| Ceramiaceae |  |  |  |  |
| *Centroceras clavulatum* (C. Agardh) Montagne  | X | X | X | 4 |
| *Ceramium brasiliense* A. B. Joly  | X | X |  | 4 |
| *Ceramium brevizonatum var. caraibicum* H. E. Petersen y Børgesen  |  | X | X | 14 |
| *Ceramium cimbricum* H. E. Petersen f. *cimbricum* | X | X |  | 4 |
| *Ceramium cimbricum* f. *flaccidum* (H. E. Petersen) G. Furnari & D. Serio  | X | X | X | 4 |
| *Ceramium corniculatum* Montagne  | X | X | X | 14 |
| *Ceramium cruciatum* Collins y Hervey  | X | X | X | 14 |
| *Ceramium diaphanum* (Lightfoot) Roth  | X |  | X | 4 |
| *Ceramium nitens* (C. Agardh) J. Agardh  | X | X |  | 4 |
| *Ceramium virgatum* Roth  | X |  |  | 4 |
| *Gayliella flaccida* (Harvey ex Kützing) T. O. Cho & L. M. McIvor  | X |  |  | 12 |
| *Gayliella mazoyerae* T. O. Cho *et al.* | X | X | X | 4 |
| Delesseriaceae |
| *Caloglossa leprieurii* (Montagne) G. Martens  |  |  | X | 11 |
| *Dasya collinsiana* M. Howe  | X |  |  | 4 |
| *Dasya corymbifera* J. Agardh |  |  | X | 9 |
| *Dasya crouaniana* J. Agardh  |  | X |  | 9 |
| *Dasya hutchinsiae var. minor* (E. C. de Oliveira) M. J. Wynne |  | X |  | 4 |
| *Dasya rigidula* (Kützing) Ardissone  |  | X |  | 4 |
| *Dictyurus occidentalis* J. Agardh  | X |  |  | \*PAPIME 221 |
| *Heterosiphonia crispella* (C. Agardh) M. J. Wynne  |  | X | X | 14 |
| *Heterosiphonia gibbesii* (Harvey) Falkenberg  | X | X |  | 4 |
| *Martensia pavonia* (J. Agardh) J. Agardh  | X |  |  | 4 |
| *Taenioma nanum* (Kützing) Papenfuss  | X | X |  | 4 |
| *Taenioma perpusillum* (J. Agardh) J. Agardh.  | X |  |  | 4 |
| Lithophyllaceae |  |  |  |  |
| *Amphiroa beauvoisii* J. V. Lamouroux  | X |  |  | 4 |
| *Amphiroa rígida* J. V. Lamouroux  | X |  |  | 4 |
| *Amphiroa tribulus* (J. Ellis & Solander) J. V. Lamouroux  | X |  |  | 9 |
| Rhodomelaceae |  |  |  |  |
| *Acanthophora spicifera* (M. Vahl) Børgesen  | X | X | X | 4 |
| *Alsidium seaforthii* (Turner) J. Agardh  | X | X | X | 4 |
| *Alsidium triquetrum* (S. G. Gmelin) Trevisan  | X | X |  | 4 |
| *Bostrychia calliptera* (Montagne) Montagne  |  |  | X | 11 |
| *Bostrychia montagnei* Harvey  |  | X | X | 11 |
| *Bostrychia moritziana* (Sonder ex Kützing) J. Agardh  |  |  | X | 11 |
| *Bostrychia pilulifera* Montagne  |  |  | X | 11 |
| *Bostrychia radicans* (Montagne) Montagne  |  | X | X | 11 |
| *Bostrychia scorpioides* (Hudson) Montagne |  |  | X | 11 |
| *Bostrychia tenella* (J. V. Lamouroux) J. Agardh  |  | X | X | 11 |
| *Bryocladia cuspidata* (J. Agardh) De Toni  | X |  |  | 4 |
| *Chondria atropurpurea* Harvey  |  | X |  | 4 |
| *Chondria baileyana* (Montagne) Harvey,  |  | X |  | 9 |
| *Chondria capillaris* (Hudson) M. J. Wynne  |  | X | X | 14 |
| *Chondria cnicophylla* (Melvill) De Toni  |  | X | X | 9 |
| *Chondria curvilineata* Collins & Hervey  |  | X |  | 4 |
| *Chondria dasyphylla* (Woodward) C. Agardh  | X |  | X | 9 |
| *Chondria floridana* (Collins) M. Howe  | X |  |  | 4 |
| *Chondria leptacremon* (Melvill ex G. Murray) De Toni  |  | X |  | 9 |
| *Chondria littoralis* Harvey  |  |  | X | 14 |
| *Chondria polyrhiza* Collins y Hervey  | X |  |  | 9 |
| *Chondria sedifolia* Harvey  | X |  |  | 4 |
| *Digenea mexicana* G. H.Boo & D. Robledo | X | X | X | 4 |
| *Dipterosiphonia rigens* (C. Agardh) Falkenberg | X |  |  | 4 |
| *Herposiphonia pecten-veneris* (Harvey) Falkenberg  | X | X |  | 4 |
| *Herposiphonia secunda* (C. Agardh) Ambronn | X | X | X | 4 |
| *Herposiphonia tenella* (C. Agardh) Ambronn  | X | X | X | 4 |
| *Heterodasya mucronata* (Harvey) M. J. Wynne  | X |  |  | 4 |
| *Laurencia chondrioides* Børgesen  |  | X |  | 15 |
| *Laurencia corymbosa* J. Agardh  | X |  |  | 4 |
| *Laurencia filiformis* (C. Agardh) Montagne  |  | X |  | 9 |
| *Laurencia intricata* J. V. Lamouroux | X | X | X | 4 |
| *Laurencia microcladia* Kützing 1865 |  | X | X | 14 |
| *Laurencia obtusa* (Hudson) J. V. Lamouroux  | X | X |  | 4 |
| *Lophocladia trichoclados* (C. Agardh) F. Schmitz  |  | X |  | \*UADY 966 |
| *Lophosiphonia cristata* Falkenberg  | X | X |  | 4 |
| *Lophosiphonia obscura* (C. Agardh) Falkenberg  | X |  |  | 4 |
| *Melanothamnus ferulaceus* (Suhr ex J.Agardh) Díaz-Tapia & Maggs |  | X | X | 14 |
| *Melanothamnus gorgoniae* (Harvey) Díaz-Tapia & Maggs  | X | X |  | 4 |
| *Melanothamnus sphaerocarpus* (Børgesen) Díaz-Tapia & Maggs. | X | X | X | 12 |
| *Murrayella periclados* (C. Agardh) F. Schmitz |  | X | X | 12 |
| *Osmundaria obtusiloba* (C. Agardh) R. E. Norris  | X | X |  | \*PAPIME 604 |
| *Palisada corallopsis* (Montagne) Sentíes *et al.* | X |  |  | 10 |
| *Palisada perforata* (Bory) K. W. Nam  | X | X | X | 14 |
| *Polysiphonia atlántica* Kapraun y J. N. Norris |  | X | X | 14 |
| *Polysiphonia binneyi* Harvey  | X | X | X | 12 |
| *Polysiphonia decussata* Hollenberg  | X |  |  | 4 |
| *Polysiphonia havanensis* Montagne  | X |  | X | 12 |
| *Polysiphonia mollis* Hooker & Harvey |  |  | X | 12 |
| *Polysiphonia saccorhiza* (Collins & Hervey) Hollenberg | X |  | X | 12 |
| *Polysiphonia sertularioides* (Grateloup) J.Agardh 1863 |  | X |  | 9 |
| *Polysiphonia subtilissima* Montagne  | X |  | X | 14 |
| *Wilsonosiphonia howei* (Hollenberg) D. Bustamante *et al.* | X | X | X | 14 |
| *Yuzurua poiteaui* (J. V. Lamouroux) Martin-Lescanne var. *poiteaui* | X | X | X | 14 |
| *Yuzurua poiteaui var. gemmifera* (Harvey) M. J. Wynne  |  | X |  | 20 |
| Wrangeliaceae |  |  |  |  |
| *Anotrichium tenue* (C. Agardh) Nägeli  | X | X | X | 4 |
| *Spermothamnion investiens* (P. Crouan & H. Crouan) Vickers  | X |  |  | 4 |
| *Spermothamnion macromeres* Collins & Hervey | X |  |  | 4 |
| *Spongoclonium caribaeum* (Børgesen) M. J. Wynne  |  |  | X | \*UADY 827 |
| *Tiffaniella gorgonea* (Montagne) Doty & Meñez  |  |  | X | 9 |
| *Wrangelia argus* (Montagne) Montagne  | X |  |  | 4 |
| *Wrangelia bicuspidata* Børgesen | X |  |  | 4 |
| Colaconematales Colaconemataceae |  |  |  |  |
| *Colaconema daviesii* (Dillwyn) Stegenga  |  | X |  | 9 |
| *Colaconema hypneae* (Børgesen) A. A. Santos & C. W. N. Moura  |  | X |  | 9 |
| *Colaconema robustum* (Børgesen) Huisman & Woelkerling  | X |  |  | 4 |
| *Colaconema savianum*  (Meneghini) R.Nielsen  |  | X |  | 9 |
| Corallinales Corallinaceae |  |  |  |  |
| *Jania capillacea* Harvey  | X | X |  | 4 |
| *Jania cubensis* Montagne ex Kützing  | X | X |  | 4 |
| *Jania pedunculata var. adhaerens* (J. V. Lamouroux) A. S. Harvey *et al.* | X | X | X | 4 |
| *Jania pumila* J. V. Lamouroux  | X |  | X | 4 |
| *Jania rubens* (Linnaeus) J.V.Lamouroux  | X | X |  | 4 |
| *Jania subulata* (Ellis & Solander) Sonder  | X | X |  | 4 |
| *Pneophyllum confervicola* (Kützing) Y. M. Chamberlain |  | X |  | 9 |
| *Pneophyllum fragile* Kützing | X |  |  | 4 |
| Hapalidiaceae |  |  |  |  |
| *Lithothamnion occidentale* (Foslie) Foslie  | X |  |  | 4 |
| *Melobesia membranacea* (Esper) J. V. Lamouroux  |  | X |  | 9 |
| Hydrolithaceae |  |  |  |  |
| *Hydrolithon farinosum* (J. V. Lamouroux) Penrose & Y. M. Chamberlain | X |  |  | 4 |
| Lithophyllaceae |  |  |  |  |
| *Amphiroa beauvoisii* J. V. Lamouroux  | X |  |  | 4 |
| *Amphiroa fragilissima* (Linnaeus) J. V. Lamouroux  | X | X | X | 4 |
| *Amphiroa rígida* J.V.Lamouroux  | X | X | X | 4 |
| *Lithophyllum kaiseri* (Heydrich) Heydrich  | X |  |  | 4 |
| *Lithophyllum stictiforme* (Areschoug) Hauck. | X |  |  | 4 |
| Mastophoraceae |  |  |  |  |
| *Lithoporella atlantica* (Foslie) Foslie  | X |  |  | 4 |
| Porolithaceae |  |  |  |  |
| *Harveylithon munitum* (Foslie & M. Howe) A. Rösler *et al.* | X |  |  | 4 |
| Spongitidaceae |  |  |  |  |
| *Neogoniolithon spectabile* (Foslie) Setchell & L. R. Mason  | X |  |  | 4 |
| *Neogoniolithon strictum* (Foslie) Setchell & L. R. Mason  | X |  |  | 4 |
| Gelidiales Gelidiaceae |  |  |  |  |
| *Gelidium crinale* (Hare ex Turner) Gaillon  | X |  |  | 4 |
| *Gelidium pusillum* (Stackhouse) Le Jolis  | X |  |  | 4 |
| Gelidiellaceae |  |  |  |  |
| *Gelidiella acerosa* (Forsskål) Feldmann & Hamel  | X |  |  | 4 |
| *Gelidiella lubrica* (Kützing) Feldmann & Hamel | X |  |  | 4 |
| Pterocladiaceae |  |  |  |  |
| *Pterocladiella caerulescens* (Kützing) Santelices & Hommersand  | X |  |  | 4 |
| *Pterocladiella capillacea* (S. G. Gmelin) Santelices & Hommersand  |  | X |  | 18 |
| *Pterocladiella sanctarum* (Feldman & Hamel) Santelices | X | X |  | 10 (como *Gelidiellasanctarum*) |
| GigartinalesCaulacanthaceae |  |  |  |  |
| *Catenella caespitosa* (Withering) L. M. Irvine  | 0 |  | X | 11 |
| Cystocloniaceae |  |  |  |  |
| *Hypnea musciformis* (Wullfen) J. V. Lamouroux  | X | X | X | 4 |
| *Hypnea spinella* (C. Agardh) Kützing  | X | X | X | 4 |
| *Hypnea valentiae* (Turner) Montagne  |  | X |  | 18 |
| Rhizophyllidaceae |  |  |  |  |
| *Contarinia magdae* Weber Bosse |  | X |  | 4 |
| *Ochtodes secundiramea* (Montagne) M. Howe  |  | X |  | \*UADY 507 |
| Solieriaceae |  |  |  |  |
| *Agardhiella ramosissima* (Harvey) Kylin  |  | X |  | 4 |
| *Agardhiella subulata* (C. Agardh) Kraft & M. J. Wynne  |  | X |  | \*PAPIME 669 |
| *Eucheumatopsis isiformis* (C. Agardh) Núñez-Resendiz *et al.* | X | X | X | 4 |
| *Meristotheca gelidium* (J. Agardh) E. J. Faye & M. Masuda  |  | X | X | 4 |
| *Solieria filiformis* (Kützing) P. W. Gabrielson  |  | X | X | 4 |
| GracilarialesGracilariaceae |  |  |  |  |
| *Gracilaria armata* (C. Agardh) Greville  | X |  |  | 4 |
| *Gracilaria blodgettii* Harvey |  | X |  | 4 |
| *Gracilaria bursa-pastoris* (S. G. Gmelin) P. C. Silva |  | X |  | 18 |
| *Gracilaria caudata* J. Agardh  |  | X |  | \*PAPIME 871 |
| *Gracilaria cervicornis* (Turner) J. Agardh |  | X | X | 4 |
| *Gracilaria cornea* J. Agardh  |  | X |  | 4 |
| *Gracilaria crassissima* (P.Crouan & H.Crouan) P.Crouan & H.Crouan  |  | X |  | 4 |
| *Gracilaria crouaniorum* Lyra *et al.* |  | X |  | \*PAPIME 655 |
| *Gracilaria cuneata* Areschoug  |  | X |  | \*PAPIME 806 |
| *Gracilaria cylindrica* Børgesen  | X | X | X | 4 |
| *Gracilaria damicornis* J. Agardh  |  | X | X | 4 |
| *Gracilaria debilis* (Forsskal) Borgesen  |  | X | X | 1 |
| *Gracilaria domingensis* (Kützing) Sonder ex Dickie  |  | X |  | 4 |
| *Gracilaria foliifera* (Forsskål) Børgesen |  | X |  | 4 |
| *Gracilaria mammillaris* (Montagne) M. Howe |  | X |  | 4 |
| *Gracilaria tikvahiae* McLachlan  |  | X |  | 4 |
| *Gracilaria usneoides* (C.Agardh) J.Agardh  |  |  | X | 22 |
| *Gracilaria wrightii* (Turner) J. Agardh  |  | X |  | \*UADY 1019 |
| *Gracilariopsis longissima* (S. G. Gmelin) Steentoft *et al.* |  | X |  | \*UADY 428 (como *Gracilaria verrucosa*) |
| Halymeniales Halymeniaceae |  |  |  |  |
| *Corynomorpha clavata* (Harvey) J. Agardh | X |  |  | \*UADY S/N |
| *Cryptonemia crenulata* (J. Agardh) J. Agardh  | X |  |  | 10 |
| *Cryptonemia seminervis* (C. Agardh) J. Agardh  |  | X |  | \*UADY S/N |
| *Halymenia elongata* C. Agardh  |  | X | X | 4 |
| *Halymenia floresii* (Clemente) C. Agardh  | X | X | X | \*FCME:GM107 |
| *Halymenia floridana* J. Agardh  |  | X | X | 4 |
| *Halymenia pseudofloresii* Collins & M. Howe |  | X |  | 4 |
| *Grateloupia filicina* (J. V. Lamouroux) C. Agardh  |  | X |  | 4 |
| Nemaliales Galaxauraceae |  |  |  |  |
| *Galaxaura rugosa* (J. Ellis & Solander) J. V. Lamouroux | X |  |  | 4 |
| *Tricleocarpa cylindrica* (J. Ellis & Solander) Huisman & Borowitzka | X |  |  | 4 |
| Liagoraceae |  |  |  |  |
| *Gloiocallis dendroidea* (P. Crouan & H. Crouan) Showe M. Lin *et al.* | X |  |  | 4 |
| *Ganonema farinosum* (J. V. Lamouroux) K. C. Fan & Y. C. Wang  | X |  |  | 4 |
| *Ganonema megagynum* (Børgesen) Huisman | X |  |  | 4 |
| *Ganonema pinnatum* (Harvey) Huisman  | X |  |  | 4 |
| *Liagora albicans* J.V.Lamouroux  | X |  |  | 4 |
| *Liagora ceranoides* J.V.Lamouroux  | X |  |  | 4 |
| *Titanophycus validus* (Harvey) Huisman *et al.* | X |  |  | 4 |
| *Trichogloeopsis pedicellata* (M. Howe) I. A. Abbott & Doty  | X |  |  | 4 |
| Scinaiaceae |  |  |  |  |
| *Scinaia complanata* (Collins) Cotton  |  | X | X | \*UADY 971 |
| Nemastomatales Schizymeniaceae |  |  |  |  |
| *Platoma gelatinosum* (M. Howe) C. W. Schneider *et al.* | X |  |  | \*UADY S/N |
| Peyssonneliales Peyssonneliaceae |  |  |  |  |
| *Rhodowynnea nordstedtii* (Weber Bosse) Pestana *et al.* | X |  |  | 4 |
| *Botryocladia enteromorpha* (Harvey) W. E. Schmidt *et al.* | X |  |  | 4 |
| *Botryocladia occidentalis* (Børgesen) Kylin  |  | X |  | \*PAPIME1217 |
| Lomentariaceae |  |  |  |  |
| *Ceratodictyon Intricatum* (C. Agardh) R. E. Norris  | X |  |  | 4 |
| *Ceratodictyon variabile* (J. Agardh) R. E. Norris  | X | X |  | 14 |
| Champiaceae |  |  |  |  |
| *Champia parvula* (C. Agardh) Harvey  | X | X | X | 4 |
| *Champia salicornioides* Harvey  | X |  |  | 4 |
| *Coelothrix irregularis* (Harvey) Børgesen  | X |  |  | 4 |
| Stylonematales Stylonemataceae |  |  |  |  |
| *Chroodactylon ornatum* (C. Agardh) Basson  | X |  |  | 4 |
| *Stylonema alsidii* (Zanardini) K. M. Drew  | X |  |  | 4 |
| **CYANOPROKARYOTA/CYANOBACTERIA** |
| NostocophycidaeNostocalesAphanizomenonaceae |
| *Nodularia harveyana* Thuret ex Bornet & Flahault  | X |  |  | +KT016 |
| Calotrichaceae |  |  |  |  |
| *Calothrix aeruginea* Thuret ex Bornet & Flahault  | X |  |  | 8 |
| *Calothrix confervicola* C. Agardh ex Bornet & Flahault  | X |  |  | 8 |
| Hapalosiphonaceae |  |  |  |  |
| *Fischerellopsis harrisii* F. E. Fritsch | X |  |  | 8 |
| *Mastigocoleus testarum* Lagerheim ex Bornet & Flahault  | X |  |  | 8 |
| Nostocaceae |  |  |  |  |
| *Anabaena oscillarioides* Bory ex Bornet & Flahault,  | X |  |  | 8 |
| *Hydrocoryne enteromorphoides* (Bornet & Flahault) Umezaki & M. Watanabe  | X |  |  | 8 |
| Rivulariaceae |  |  |  |  |
| *Dichothrix fucicola* Bornet & Flahault  | X |  |  | 8 |
| *Dichothrix penicillata* Zanardini ex Bornet & Flahault  | X |  |  | 8 |
| *Dichothrix rupícola* Collins  | X |  |  | 8 |
| *Isactis centrifuga* Bornet  | X |  |  | KT016 |
| *Isactis plana* Thuret ex Bornet & Flahault  | X |  |  | KT016 |
| *Microchaete vitiensis* Askenasy ex Bornet & Flahault  | X |  |  | KT016 |
| *Rivularia atra* Roth ex Bornet & Flahault  |  | X |  | 9 |
| Scytonemataceae |  |  |  |  |
| *Scytonema hofmannii* C.Agardh ex Bornet & Flahault  | X | X | X | KT016 |
| *Scytonematopsis crustacea* (Thuret ex Bornet & Flahault) Kovácik & Komárek  | X | X |  | KT016 |
| *Scytonematopsis pilosa* (Harveyex Bornet & Flahault) Umezaki y Watanabe  | X |  |  | KT016 |
| OscillatoriophycidaeChroococcales Aphanothecaceae |  |  |  |  |
| *Aphanothece elabens* (Bréb. in Menegh.) Elenkin  | X |  |  | +8 |
| *Aphanothece microscopica* Nageli  |  | X |  | +9 |
| *Aphanothece stagnina* (Spreng.) A. Braun  | X |  |  | +8 |
| Chroococcaceae |  |  |  |  |
| *Chroococcus turgidus* (Kützing) Nägeli  | X |  |  | KT016 |
| Entophysalidaceae |  |  |  |  |
| *Cyanoplacoma* violacea (Setchell & N. L. Gardner) Molinari & Guiry  |  | X |  | 9 Citada como *Placoma violacea* |
| *Chlorogloea microcystoides* Geitler  | X |  |  | 8 |
| *Entophysalis conferta* (Kützing) Drouet & Daily | X | X |  | KT016 |
| *Entophysalis deusta* (Meneghini) Drouet & Daily  | X |  |  | 8 |
| *Entophysalis granulosa* Kützing | X |  |  | 8 |
| Gomphosphaeriaceae |  |  |  |  |
| Gomphosphaeria *aponina* Kützing |  |  |  | +9 |
| Oscillatoriales Coleofasciculaceae |  |  |  |  |
| *Coleofasciculus chthonoplastes* (Gomont) M. Siegesmund *et al.* | X |  |  | 8 |
| Homoeotrichaceae |  |  |  |  |
| *Homoeothrix juliana* (Bornet & Flahault ex Gomont) Kirchner  | X |  |  | +8 |
| Microcoleaceae |  |  |  |  |
| *Arthrospira miniata* Gomont  | X |  |  | 8 |
| *Caldora penicillata* (Gomont) Engene, Tronholm & V. J. Paul | X |  |  | 8 |
| *Kamptonema laetevirens* (P. L. Crouan & H. M. Crouan ex Gomont) Strunecky *et al.* | X |  |  | +8 |
| *Microcoleus vaginatus* Gomont  |  | X |  | 9 |
| *Porphyrosiphon luteus* (Gomont) Anagnostidis & Komárek  | X |  |  | 8 |
| *Symploca atlantica* Gomont  | X |  |  | 8 |
| *Symploca hydnoides* Kützing ex Gomont  | X |  |  | 8 |
| Oscillatoriaceae |  |  |  |  |
| *Blennothrix comoides* (Gomont) Anagnostidis & Komárek  | X |  |  | 8 |
| *Blennothrix glutinosa* (Gomont) Anagnostidis & Komárek  | X |  |  | 8 |
| *Blennothrix lyngbyacea* (Kützing ex Gomont) Anagnostidis & Komárek  | X | X |  | KT016 |
| *Lyngbya aestuarii* Liebman ex Gomont  | X |  |  | 8 |
| *Lyngbya confervoides* C. Agardh ex Gomont  | X |  | X | KT016 |
| *Lyngbya majuscula* Harvey ex Gomont  | X |  |  | 8 |
| *Lyngbya semiplena* J. Agardh ex Gomont  | X |  |  | 8 |
| *Lyngbya sórdida* Gomont  | X |  | X | KT016 |
| *Oscillatoria corallinae* Gomont  | X |  |  | 8 |
| *Oscillatoria margaritifera* Kützing ex Gomont  | X |  |  | 8 |
| *Phormidium nigroviride* (Thwaites ex Gomont) Anagnostidis & Komárek  | X |  |  | 8 |
| *Phormidium submembranaceum* Kützing ex Gomont  | X |  |  | 8 |
| Pleurocapsales Hyellaceae |  |  |  |  |
| *Radaisia* epiphytica Setchell & N. L. Gardner  |  | X |  | +9 |
| *Solentia stratosa* Ercegovic  | X |  |  | 8 |
| Xenococcaceae |  |  |  |  |
| Xenococcus *pyriformis* Setchell & N. L. Gardner  |  | X |  | 9 |
| *Xenotholos kerneri* (Hansgirg) Gold-Morgan *et al.* | X |  |  | +KT016 |
| Spirulinales Spirulinaceae |  |  |  |  |
| *Spirulina major* Kützing ex Gomont  | X |  |  | 8 |
| *Spirulina meneghiniana* Zanardini ex Gomont  | X |  |  | 8 |
| *Spirulina princeps* West & G. S. West  | X |  |  | +8 |
| *Spirulina subsalsa* Oerstedt ex Gomont  | X |  |  | 8 |
| *Spirulina subtilissima* Kützing ex Gomont | X |  |  | 8 |
| *Spirulina tenerrima* Kützing ex Gomont  | X |  |  | 8 |
| *Spirulina versicolor* Cohn ex Gomont  | X |  |  | 8 |
| Synechococcophycidae Synechococcales Coelosphaeriaceae |  |  |  |  |
| *Coelosphaerium dubium* Grunow  | X |  |  | +8 |
| Heteroleibleiniaceae |  |  |  |  |
| *Heteroleibleinia infixa* (Frémy) Anagnostidis & Komárek  | X |  |  | 8 |
| Schizotrichaceae |  |  |  |  |
| *Schizothrix arenaria* Gomont | X |  |  | 8 |
| *Schizothrix calcicola* Gomont  |  | X |  | 9 |
| *Schizothrix mexicana* Gomont | X |  | X | KT016 |
| Leptolyngbyaceae |  |  |  |  |
| *Leibleinia gracilis* (Rabenhorst ex Gomont) Anagnostidis & Komárek  | X |  |  | KT016 |
| *Leptolyngbya crosbyana* (Tilden) Anagnostidis & Komárek  | X |  |  | KT016 |
| *Leptolyngbya gracilis* (Lindstedt) Anagnostidis & Komárek  | X |  |  | KT016 |
| *Leptolyngbya marina* (Gardner) Anagnostidis  |  | X |  | 9 |
| *Leptolyngbya mucicola* (Lemmermann) Anagnostidis & Komárek  | X |  |  | +KT016 |
| *Leptolyngbya nostocorum* (Bornet ex Gomont) Anagnostidis t Komárek | X |  |  | +KT016 |
| *Leptolyngbya perelegans* (Lemmermann) Anagnostidis & Komárek  | X |  |  | KT016 |
| *Leptolyngbya terebrans* (Bornet & Flahault ex Gomont) Anagnostidis & Komárek  | X |  |  | KT016 |
| Merismopediaceae |  |  |  |  |
| *Aphanocapsa marina* Hansgirg  | X |  |  | KT016 |
| *Merismopedia thermalis* Kützing | X |  |  | +KT016 |
| Pseudanabaenaceae |  |  |  |  |
| *Pseudanabaena persicina* (Reinke ex Gomont) Anagnostidis | X |  |  | KT016 |
| Trichocoleusaceae |  |  |  |  |
| *Trichocoleus tenerrimus* (Gomont) Anagnostidis | X |  |  | KT016 |

Referencias: 1.- Dreckmann, 2012; 2..-Espinoza -Avalos *et al.,* 2015; 3.- García Ferrer, *et al.,* 2019; 4.- García-García *et al.,* 2020; 5.- García-García et al., 2021; 6- Garduño et al., 2005; 7.- Huerta-Múzquiz et al., 1987; 8.- Kim, 1964; 9.- Mendoza-González et al., 2016; 10.- Ortega et al., 2001; 11.- Ortegón-Aznar y González-González, 2000; 12.-Ortegón-Aznar et al., 2001; 13.- Ortegón-Aznar et al., 2008, 14.- Ortegón-Aznar et al., 2009; 15.- Ortegón-Aznar y Aguilar-Perera, 2014; 16.- Ortegon et al., 2015; 17.- Ortegón-Aznar et al 2021; 18.- Rosado-Espinosa et al 2011;19.- Rosado-Espinosa et al 2020; 20.- Sanchez-Molina et al, 2007; 21.- Sauvage et al., 2021; 22.-Vilchis et al., 2020. Especímenes en Herbarios: ENCB y UADY, Especímenes de Colectas de Proyectos: PAPIME: Macroalgas, PAPIIT KT016: Cyanoprocariota/Cyanobacteria, registro \* Nuevos registros para el estado. + se han registrado como especie de agua continental o aguas de salinidad marina/salobre/ continental, o registrados en ambiente marino en base de datos Algaebase o en proyecto KT016 de CONABIO. S/N: Sin Número de herbario asignado en UADY. X: presencia