Veron, J.E.N.; Stafford-Smith, M.G.; DeVantier, L.M.; Turak, E. Review of Coral Taxonomy, Evolution and Diversity. *Diversity* **2025**, *17*, 823. https://doi.org/10.3390/d17120823.

Supplementary Table S1. Species which are readily separated where they co-occur but may not be otherwise.

Acanthastrea bowerbanki - A. hillae
Acanthastrea echinata - A. subechinata
Acropora floresensis - A. acuminata
Acropora appressa - A. dendrum
Acropora azurea - A. nana
Acropora akajimensis - A. donei
Acropora schmitti - A. digitifera
Acropora japonica - A. digitifera
Acropora efflorescens - A. cytherea
Acropora eurystoma - A. tenuis
Acropora bifurcata - A. hyacinthus
Acropora exquisita - A. akajimensis
Acropora fenneri - A. horrida
Acropora lianae - A. valida
Acropora navini - A. longicyathus
Acropora minuta - A. palmerae
Acropora parilis - A. horrida
Acropora pinguis - A. robusta
Acropora orbicularis - A. clathrata
Acropora parahemprichii - A. austera
Acropora rosaria - A. loripes
Acropora rufa - A. variolosa
Acropora sekiseiensis - A. horrida
Acropora subulata - A. lamarcki
Acropora massawensis - A. polystoma
Acropora ocellata - A. lutkeni
Acropora tizardi - A. cerealis
Acropora torresiana - A. samoensis
Acropora tortuosa - A. horrida
Acropora tutuilensis - A. abrotanoides
Acropora wallaceae - A. samoensis
Agaricia grahamae - A. lamarcki - A. agaricites
Astreopora suggesta - A. gracilis
Astraeosmilia vietnamensis - A. maxima
Blastomussa loyae - B. merleti
Diploria strigosa - D. clivosa
Galaxea lawisiana - G. fascicularis
Isopora elizabethensis - I. palifera
Isopora palifera - I. cuneata
Acropora meridiana - Isopora brueggemanni
Leptastrea pruinosa - L. purpurea
Leptastrea transversa - L. purpurea
Lobophyllia hemprichii - L. robusta
Montipora delicatula - M. foliosa
Montipora confusa - M. undata
Orbicella species from each-other
Oulophyllia crispa - O. levis
Pocillopora setchelli - P. kelleheri
Pocillopora brevicornis - P. damicornis
Pocillopora acuta - P. damicornis
Pocillopora capitata - P. elegans
Pocillopora woodjonesi - P. grandis
Pocillopora verrucosa - P. meandrina
Porites divaricata – P. porites
Seriatopora caliendrum - S. hystrix

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Supplementary Table S2. Records of *Acropora hyacinthus* from the Western and central Indian Ocean.

Regions of the Western - Central Indian Ocean	**Authors**
Red Sea	Scheer and Pillai (1983) [1]; Sheppard (1987) [2]; Sheppard and Sheppard (1991) [3]; Riegl and Velimirov (1994) [4]; Abo-Hegab, Mikhail and Ammar (1999) [5]; Turak, Brodie and DeVantier (2007) [6]; Wallace (1999) [7]; Wallace, Done and Muir (2012) [8]; Berumen, Arrigoni, Bouwmeester et al. (2019) [9]
Gulf of Aden and southern Arabia	Sheppard and Sheppard (1991) [3]; Pichon, Benzoni, Chaineau et al. (2010) [10]; Obura (2012) [11] and pers. comm.
Somalia, Kenya, Tanzania and Mozambique	Wijsman-Best, Faure and Pichon (1980) [12]; Hamilton and Brakel (1984) [13]; Sheppard (1987) [2]; Carbone, Matteucci, Rosen et al. (1994) [14]; Riegl (1995b, 1996a) [15,16]; Obura (2012) [11]; Wallace et al. (2012) [8]; Veron unpubl.
Seychelles and Comoros and Mayotte	Wijsman-Best, Faure and Pichon (1980) [12]; Latypov (2009) [17]; Obura (2012) [11]; Wallace et al. (2012) [8]
Madagascar	Pichon (1978) [18]; Sheppard (1987) [2]; Obura (2012) [11]; Veron and Turak (2005) [19]; Chabanet, Bigot, Nicet et al. (2016) [20]
Mascarene Islands	Faure (1982) [21]; Pillay, Terashima, Venkatasami et al. (2002) [22]; Faure, Pichon and Geynet (2008) [23]; Wallace et al. (2012) [8]; Chabanet, Bigot, Nicet et al. (2016) [20]; Obura (2012) [11]
Lakshadweep, Maldives and Chagos	Pillai (1971, 1972, 1983) [24-26]; Pillai and Scheer (1976) [27]; Pillai and Jasmine (1989) [28]; Ciarapica and Passeri (1993) [29]; Sheppard (1999) [30]; Venkataraman et al. (2003) [31]; Pichon and Benzoni (2007) [32]; Sreenath, Jasmine, George et al. (2015) [33]; Obura (2012) [11]
India and Sri Lanka	Pillai (1971, 1972, 1973, 1983, 1986) [24-26,34,35]; Mergner and Scheer (1974) [36]; Pillai and Jasmine (1995) [37]; Venkataraman et al. (2003) [31]; Marimuthu et al. (2010) [38]; Wallace et al. (2012) [8]
Cocos Keeling Islands	Veron (1994) [39]
South Africa	Riegl (1995, 1996) [15,16]

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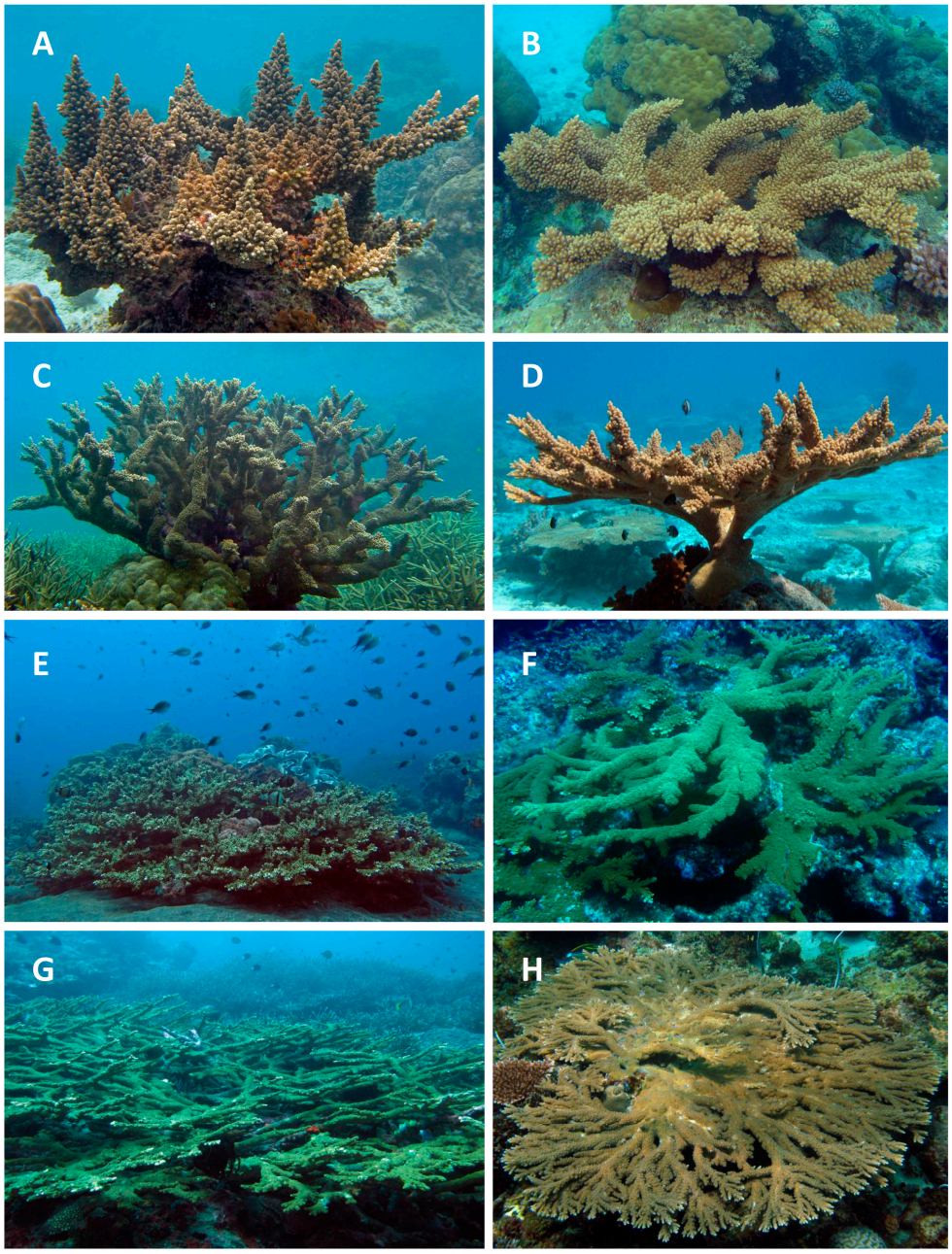
Supplementary Table S3. Species in CoralsOfTheWorld.org (2016, 2026 in prep.) which are also used, albeit several with different generic names, in molecular studies. Names of each genus are given at first occurrence.

Acanthastrea brevis
A. echinata
A. faviaformis
A. hemprichii
A. rotundoflora
A. subechinata
Acropora aspera
A. bifurcata
A. cerealis
A. cervicornis
A. digitifera
A. florida
A. hemprichii
A. hyacinthus
A. millepora
A. palmata
A. prolifera
A. surculosa
A. tenuis
A. verweyi
Agaricia agaricites
A. fragilis
A. grahamae
A. lamarcki
Anomastraea irregularis
Astraeosmilia maxima
A. tumida
Astrea annuligera
A. curta
A. rotulosa
Bernardpora stutchburyi
Blastomussa merleti
B. omanensis
Calathiscus tantillus
Cantharellus jebbi
Caulastrea curvata
C. echinulata
C. furcata
Coeloseris mayeri
Coscinaraea columna
C. monile
Craterastrea levis
Ctenella chagius
Cycloseris cyclolites
C. hexagonalis
C. vaughani
Cynarina lacrymalis
C. macassarensis
Cyphastrea agassizi
C. chalcidicum
C. decadia
C. hexasepta
C. japonica
C. kausti
C. magna
C. microphthalma
C. ocellina
C. serailia
C. zhongjianensis
Diaseris distorta
Dipsastraea albida
D. danai
D. helianthoides
D. laddi
D. lizardensis
D. maritima
D. matthaii
D. pallida
D. stelligera
D. truncata
Duncanopsammia axifuga
Echinophyllia aspera
E. bulbosa
E. costata
E. echinata
E. echinoporoides
E. orpheensis
E. patula
E. pectinata
E. tarae
Echinopora ashmorensis
E. forskaliana
E. fruticulosa
E. gemmacea
E. hirsutissima
E. horrida
E. lamellosa
E. mammiformis
E. pacifica
E. taylorae
Erythrastrea wellsi
Euphyllia baliensis
E. cristata
E. glabrescens
E. paraglabrescens
Favia fragum
F. gravida
Favites abdita
F. chinensis
F. complanata
F. flexuosa
F. halicora
F. micropentagonus
F. pentagona
F. russelli
F. spinosa
F. vasta
Fimbriaphyllia ancora
F. divisa
F. paraancora
F. paradivisa
F. yaeyamaensis
Fungia fralinae
F. granulosa
F. horrida
F. repanda
F. scabra
F. scruposa
F. spinifer
Galaxea acrhelia
G. alta
G. astreata
G. fascicularis
G. horrescens
G. longisepta
G. paucisepta
G. longisepta
G. paucisepta
Gardineroseris planulata
Goniastrea aspera
G. australensis
G. columella
G. edwardsi
G. favulus
G. minuta
G. palauensis
G. pectinata
G. peresi
G. ramosa
G. retiformis
Goniopora djiboutiensis
G. lobata

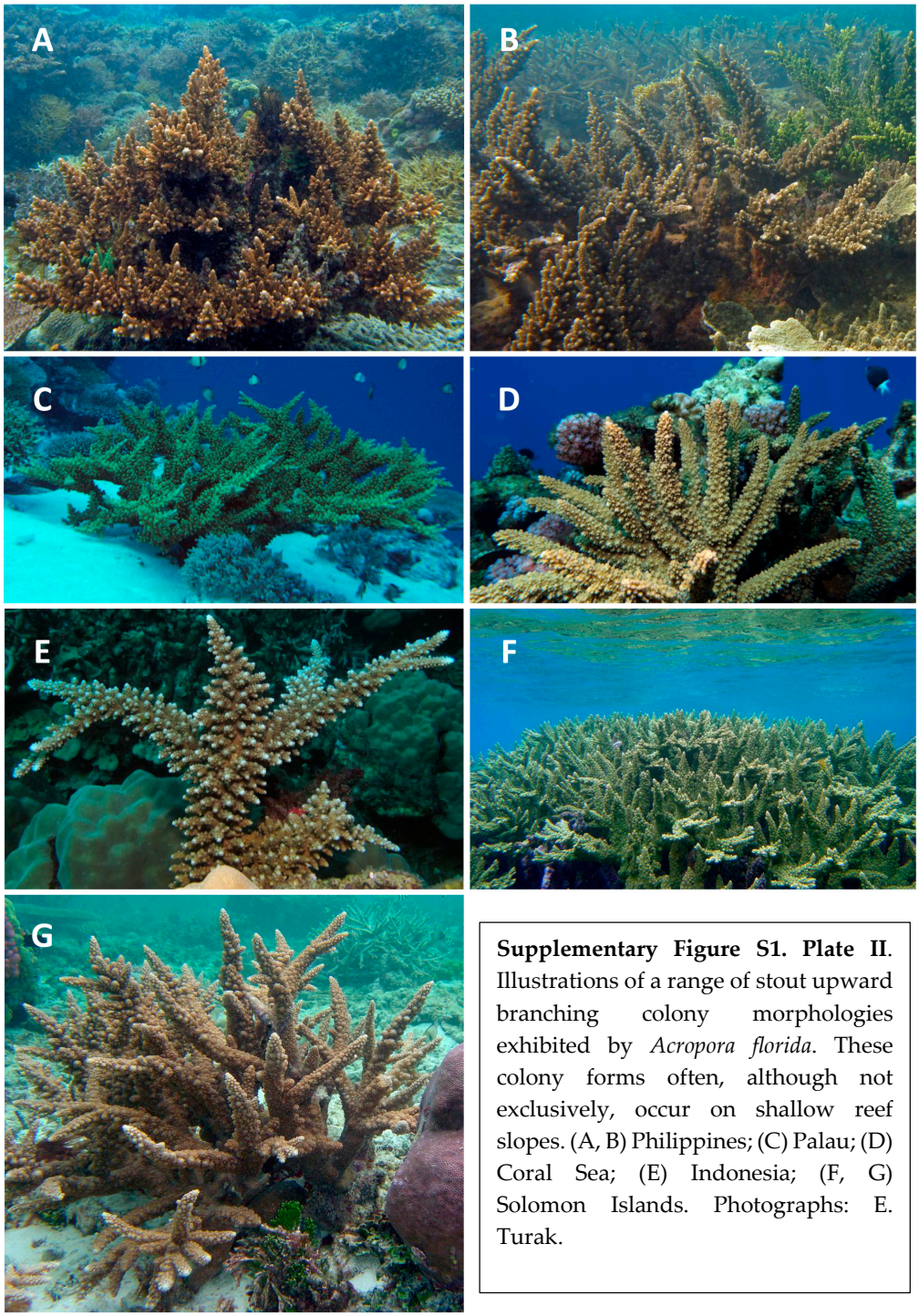
Halomitra pileus
Heliofungia actiniformis
Heteropsammia cochlea
Homophyllia australis
Hydnophora bonsai
H. exesa
H. microconos
H. pilosa
H. rigida
Leptastrea bottae
L. inaequalis
L. purpurea
L. transversa
Leptoria irregularis
L. phrygia
Leptoseris amitoriensis
L. explanata
L. foliosa
L. fragilis
L. gardineri
L. hawaiiensis
L. mycetoseroides
L. scabra
Lithophyllon mokai
Lobophyllia corymbosa
L. diminuta
L. flabelliformis
L. grandis
L. hataii
L. hemprichii
L. pachysepta
L. robusta
L. serrata
Madracis asperula
Merulina ampliata
M. scabricula
Micromussa amakusensis
M. diminuta
M. lordhowensis
M. regularis
Montastraea cavernosa
Montipora capitata
M. capricornis
M. foliosa
M. hoffmeisteri
M. maeandrina
M. turgescens
M. verrilli
M. verrucosa
Mycedium elephantotus
M. robokaki
M. spina
M. steeni
M. umbra
Mycetophyllia danaana
M. ferox
Nemenzophyllia turbida
Orbicella annularis
O. faveolata
O. franksi
Oulophyllia bennettae
O. crispa
O. levis
Oxypora convoluta
O. crassispinosa
O. egyptensis
O. glabra
O. lacera
Pachyseris speciosa
Paragoniastrea deformis
P. variabilis
Paramontastraea salebrosa
P. serageldini
Parascolymia vitiensis
Pavona cactus
P. chiriquiensis
P. danai
P. decussata
P. diffluens
P. explanulata
P. frondifera
P. maldivensis
P. varians
P. venosa
Pectinia africana
P. alcicornis
P. paeonia
P. ayleni
P. elongata
P. lactuca
P. maxima
P. pygmaea
P. teres
Phymastrea magnistellata
P. multipunctata
Platygyra acuta
P. carnosa
P. contorta
P. crosslandi
P. daedalea
P. lamellina
P. pini
P. ryukyuensis
P. sinensis
P. tenuis
P. yaeyamaensis
Plerogyra sinuosa
Plesiastrea versipora
Pleuractis gravis
P. moluccensis
P. paumotensis
P. scutaria
P. seychellensis
P. taiwanensis
Pocillopora acuta
P. aliciae
P. brevicornis
P. damicornis
P. danae
P. effusa
P. grandis
P. meandrina
P. molokensis
P. verrucosa
Podabacia crustacea
Porites aranetai
P. compressa
P. lobata
Psammocora profundacella
Scapophyllia cylindrica
Sclerophyllia margariticola
Sclerophyllia simplex
Siderastrea savignyana
S. siderea
Simplastrea vesicularis
Stylaraea punctata
Stylophora kuehlmanni
S. madagascarensis
S. mamillata
S. pistillata
S. subseriata
S. wellsi
Symphyllia agaricia
S. erythraea
S. hassi
S. radians
S. recta
S. valenciennesi
Trachyphyllia geoffroyi
Turbinaria bifrons
T. heronensis
T. mesenterina
T. patula
T. peltata
T. reniformis

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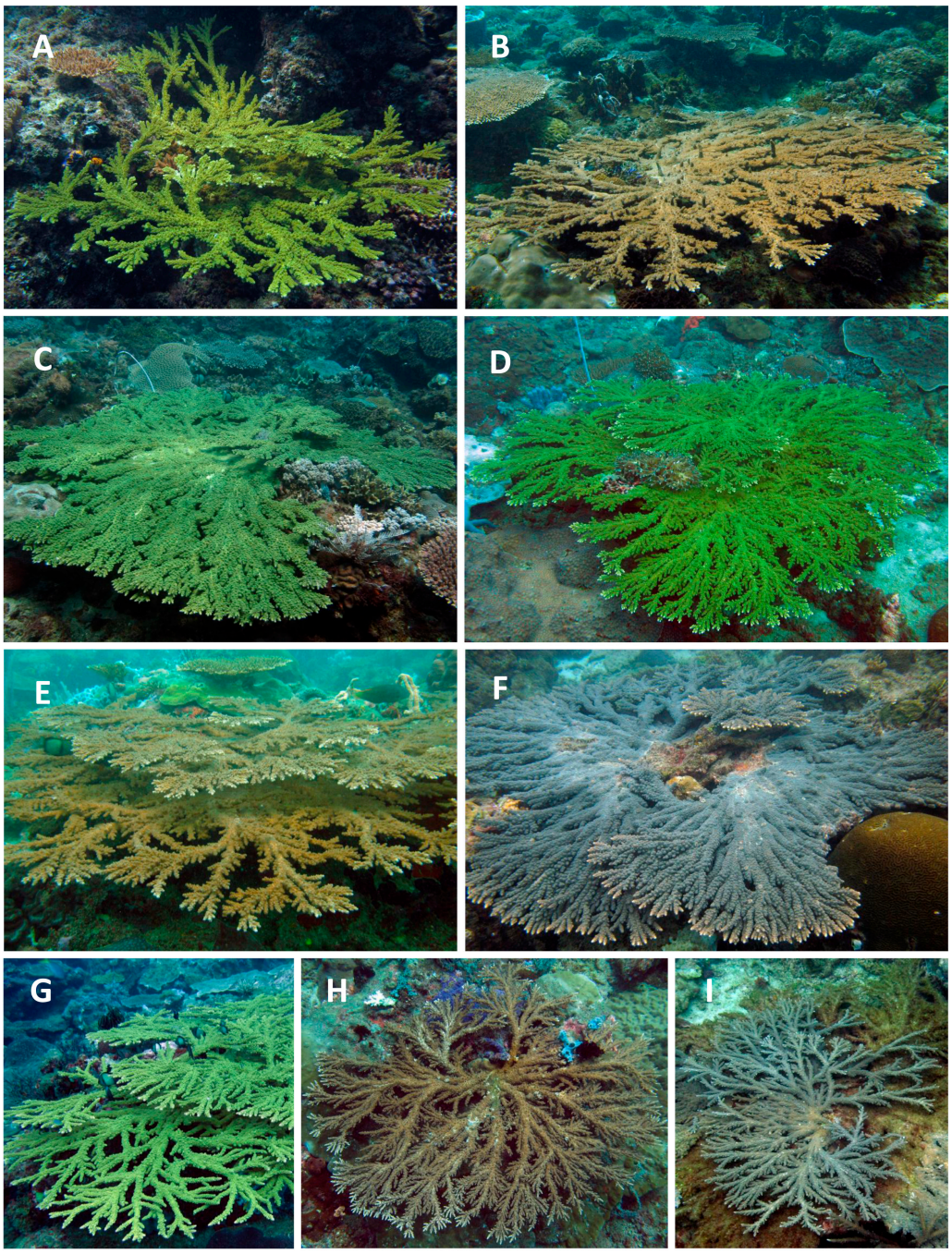
Supplementary Figure S1: Plates I-IV illustrating variation in *Acropora florida*



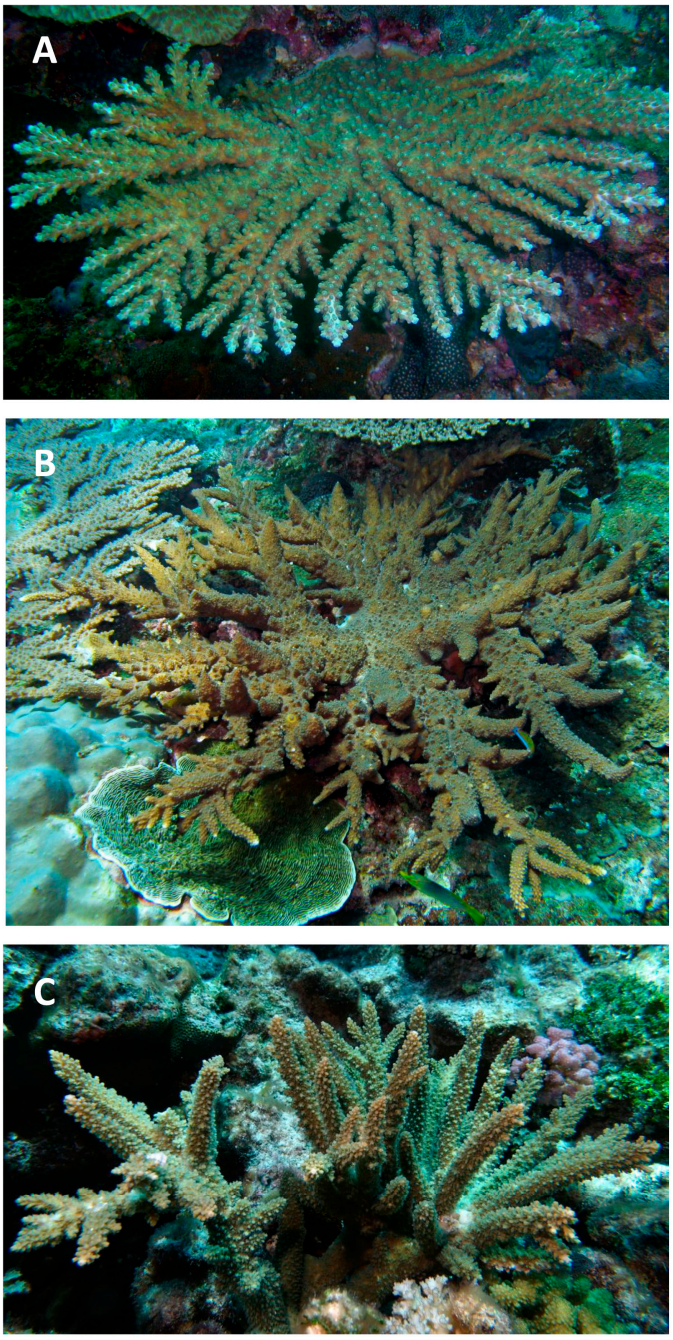
Supplementary Figure S1, Plate I. Illustrations of a range of colony morphologies exhibited by *Acropora florida*. (A) Philippines; (B, D) Palau; (C) Solomon Islands; (E, G) Bali; (F, H) Brunei. Photographs: E. Turak, (F) L. DeVantier. Despite the broad range in colony forms, corallites are characteristic of *A. florida.*



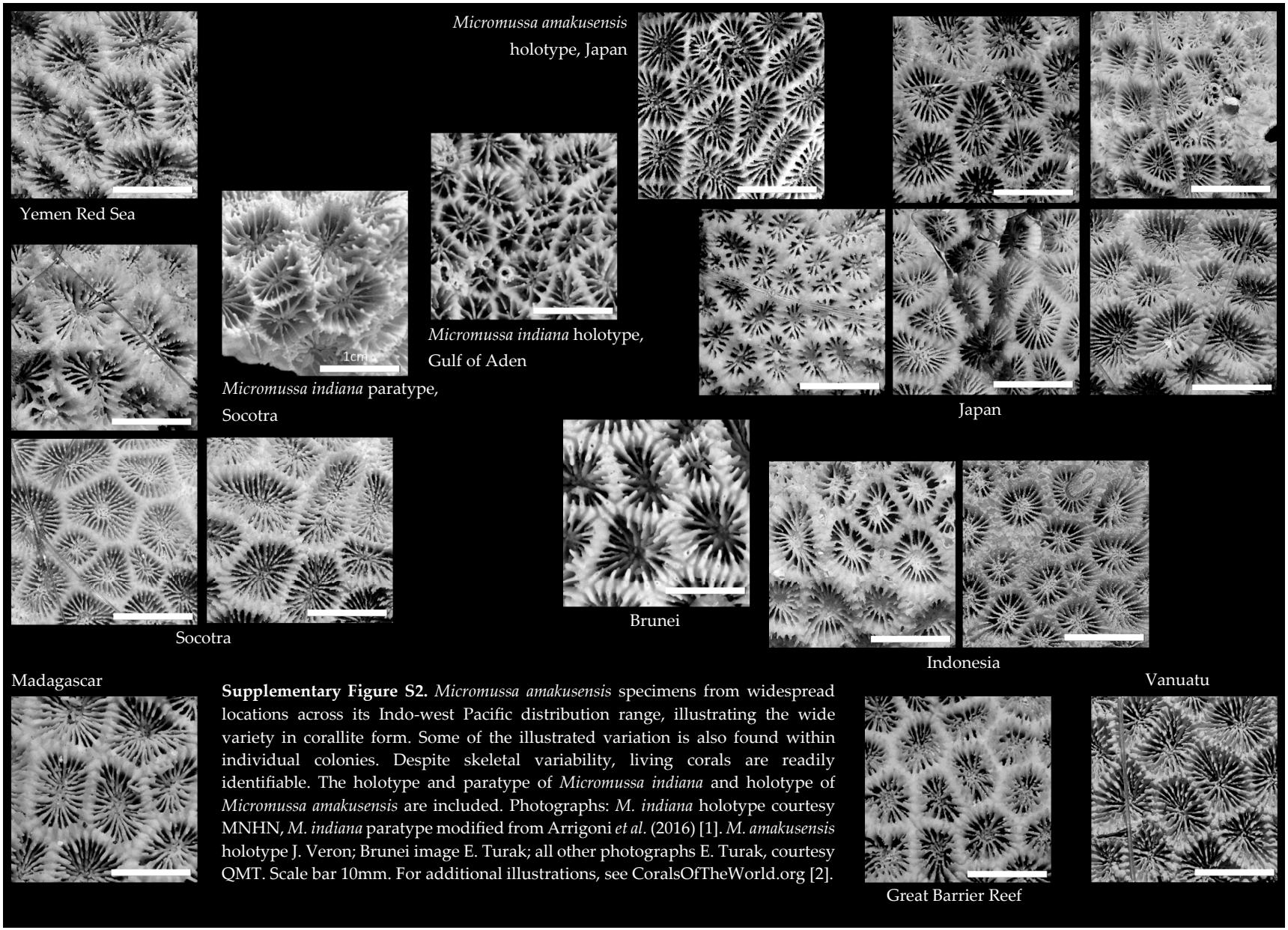
Supplementary Figure S1. Plate II. Illustrations of a range of stout upward branching colony morphologies exhibited by *Acropora florida*. These colony forms often, although not exclusively, occur on shallow reef slopes. (A, B) Philippines; (C) Palau; (D) Coral Sea; (E) Indonesia; (F, G) Solomon Islands. Photographs: E. Turak.



Supplementary Figure S1, Plate III. Illustrations of a range of flattened branching colony morphologies exhibited by *Acropora florida*. (A,F) Philippines; (B-E,G-I) Brunei. The flattened forms often, although not exclusively, occur in biotopes of low illumination, as for example with increasing depth, turbidity or chlorophyll. Photographs: E. Turak.



Supplementary Figure S1, Plate IV. Illustrations of colony morphologies exhibited by putative *Acropora florida* hybrids. (A, B) Brunei; (C) Coral Sea. Corallite form appears intermediate between *A. florida* and (A) *A. plumosa*, (B) *A. samoensis*, and (C) *A. intermedia*. Photographs: (A) L. DeVantier; (B, C) E. Turak.



Supplementary Figure S2. *Micromussa amakusensis* specimens from widespread locations across its Indo-west Pacific distribution range, illustrating the wide variety in corallite form. Some of the illustrated variation is also found within individual colonies. Despite skeletal variability, living corals are readily identifiable. The holotype and paratype of *Micromussa indiana* and holotype of *Micromussa amakusensis* are included. Photographs: *M. indiana* holotype courtesy MNHN, *M. indiana* paratype modified from Arrigoni *et al.* (2016) [1]. *M. amakusensis* holotype J. Veron; Brunei image E. Turak; all other photographs E. Turak, courtesy QMT. Scale bar 10mm. For additional illustrations, see CoralsOfTheWorld.org [2].

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