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Supplement of

Reviews and syntheses: Calculating the global contribution of coralline algae to total carbon burial

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Supplementary material

Table S1. The surface covered (in %) of coralline algae at multiple sites. The fringing reefs, columnar reefs and coastal reefs in the study of Figueiredo et al., (2008) consist of *Porolithon pachydermum* and *Lithophyllum congestum*.

Sort of surface	Coverage	Area/location	Reference
Crustose coralline algae	52.5 %		
Reef platform (deeper zones)	50 – 70 %	Fernando de Noronha, Brazil	(Eston et al., 1986)
Reef flats	50 – 60 %	Discovery coast, Brazil	(Costa et al., 2000)
Reef walls	30 %	Discovery coast, Brazil	(Costa et al., 2000)
Fringing reefs	80 %	Abrolhos Archipelago, Brazil	(Figueiredo, 2006)
Columnar reefs	50 %	Abrolhos Archipelago, Brazil	(Figueiredo, 2006)
Coastal reefs	< 30 %	Abrolhos Archipelago, Brazil	(Figueiredo, 2006)
Fringing reef	41 %	Hawaii, USA	(Littler and Doty, 1975)
Fringing reef	41 %	Barbados	(Stearn et al., 1977)
Reef area	90 %		(Sheveiko, 1981)
Barrier reef	90 %	Lizard Island, Australia	(Chisholm, 1988)
Reef flat	60 %	French Frigate Shoals, Hawaii	(Atkinson and Grigg, 1984)
Lagoon site	5 %	French Frigate Shoals, Hawaii	(Atkinson and Grigg, 1984)
Free-living algae	45.0 %		
Reef flats	45 %	Atol das Rocas, Brazil	(Gherardi and Bosence, 2001)
Reef walls	70 %	Atol das Rocas, Brazil	(Gherardi and Bosence, 2001)
Coralline-algal bank	20 – 40 %	Arvoredo Island, south Brazil	(Gherardi, 2004)
Continental shelf	45 %	Abrolhos Bank, eastern Brazil	(Amado-Filho et al., 2012)

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Table S2. The global distribution of different coralline algae species worldwide. Coralline algae species are divided in the three Families known for *Corallinales* (Order): *Corallinaceae*, *Hapalidiaceae* and *Sporolithaceae*.

No. #	Country/region	Global region	<i>Corallinaceae</i> species	<i>Hapalidiaceae</i> species	<i>Sporolithaceae</i> species	References
1	Spitsbergen	Arctic	<i>Lithophyllum fasciculatum</i> , <i>Pneophyllum fragile</i> , <i>Titanoderma pustulatum</i>	<i>Clathromorphum compactum</i> , <i>Lithothamnion flavescens</i> , <i>Lithothamnion glaciale</i> , <i>Phymatolithon calcareum</i> , <i>Phymatolithon lenormandii</i> , <i>Phymatolithon tenue</i> , <i>Phymatolithon tenuissimum</i>		Vinogradova, 1995; Teichert et al., 2012
2	Iceland	Arctic	<i>Corallina officinalis</i> , <i>Lithophyllum orbiculatum</i> , <i>Titanoderma pustulatum</i>	<i>Clathromorphum circumscriptum</i> , <i>Kvaleya epilaeve</i> , <i>Lithothamnion glaciale</i> , <i>Lithothamnion tophiforme</i> , <i>Phymatolithon calcareum</i> , <i>Phymatolithon laevigatum</i> , <i>Phymatolithon lamii</i> , <i>Phymatolithon lenormandii</i>		Caram and Jonsson, 1972
3	Greenland,	Arctic		<i>Clathromorphum compactum</i> ,		Lund, 1959; Pedersen,

	east			<i>Lithothamnion glaciale f. boreale, Lithothamnion glaciale, Lithothamnion tophiforme, Phymatolithon investiens, Phymatolithon lenormandii</i>	1976
4	Greenland	Arctic	<i>Corallina officinalis</i>	<i>Clathromorphum circumscriptum, Clathromorphum compactum, Lithothamnion circumscriptum f. areolatum, Lithothamnion glaciale, Lithothamnion tophiforme, Phymatolithon tenue</i>	Athanasiadis, 1996; Pedersen, 2011; Brodie et al., 2013
5	Canada, Arctic	Arctic		<i>Clathromorphum compactum, Lithothamnion glaciale, Phymatolithon calcareum, Phymatolithon laevigatum</i>	Lee, 1980
6	Canada, Labrador	North America		<i>Lithothamnion tophiforme</i>	Adey et al., 2005
7	Canada, Newfoundland	North America		<i>Lithothamnion glaciale, Lithothamnion tophiforme</i>	Adey et al., 2005; Gagnon et al., 2012
8	Canada, New Brunswick	North America	<i>Corallina officinalis</i>		Bates et al., 2005
9	Canada, Nova	North	<i>Corallina officinalis</i>		Brodie et al., 2013

	Scotia	America			
10	USA, Aleutian Islands, Alaska	North America	<i>Corallina vancouveriensis</i> , <i>Pachyarthron cretaceum</i>	<i>Mesophyllum aemulans</i>	Mondragon and Mondragon, 2003; Athanasiadis, Lebednik and Adey, 2004; Woelkerling et al., 2008
11	USA, Alaska	North America	<i>Bossiella chiloensis</i> , <i>Bossiella orbigniana</i> , <i>Bossiella plumosa</i> , <i>Calliarthron tuberculosum</i> , <i>Chiharaea silvae</i> , <i>Corallina officinalis</i> var. <i>chilensis</i> , <i>Corallina pilulifera</i> , <i>Corallina vancouveriensis</i> , <i>Johansenia macmillanii</i> , <i>Lithophyllum dispar</i> , <i>Lithophyllum impressum</i> , <i>Lithotrix aspergillum</i> , <i>Pachyarthron cretaceum</i> , <i>Pneophyllum zostericola</i> , <i>Pseudolithophyllum muricatum</i> , <i>Pseudolithophyllum neofarlowii</i> , <i>Pseudolithophyllum whidbeyense</i> , <i>Spongites yendoii</i>	<i>Clathromorphum circumscriptum</i> , <i>Clathromorphum compactum</i> , <i>Clathromorphum loculosum</i> , <i>Clathromorphum nereostratum</i> , <i>Clathromorphum reclinatum</i> , <i>Lithothamnion californicum</i> , <i>Lithothamnion glaciale</i> , <i>Lithothamnion phymatodeum</i> , <i>Mesophyllum aemulans</i> , <i>Mesophyllum conchatum</i> , <i>Mesophyllum lamellatum</i> , <i>Mesophyllum tenue</i> , <i>Mesophyllum vancouveriense</i> , <i>Phymatolithon calcareum</i>	Lindstrom, 1977; Scagel et al., 1989; Konar et al., 2006; Woelkerling et al., 2008; Martone et al., 2012
12	Revillagigedo Islands, USA	North America	<i>Amphiroa annulata</i> , <i>Jania capillacea</i> , <i>Lithophyllum brachiatum</i> , <i>Lithophyllum divaricatum</i> , <i>Mastophora pacifica</i> ,	<i>Lithothamnion crispatum</i> , <i>Lithothamnion validum</i> , <i>Melobesia accola</i>	Setchell and Gardner, 1930; Taylor, 1945

13	Canada, British Columbia	North America	<i>Neogoniolithon trichotomum</i> <i>Bossiella chiloensis</i> , <i>Bossiella orbigniana</i> , <i>Bossiella plumosa</i> , <i>Calliarthron tuberculosum</i> , <i>Chiharaea americana</i> , <i>Chiharaea bodegensis</i> , <i>Chiharaea silvae</i> , <i>Corallina officinalis</i> var. <i>chilensis</i> , <i>Corallina pilulifera</i> , <i>Corallina vancouveriensis</i> , <i>Johansenia macmillanii</i> , <i>Lithophyllum dispar</i> , <i>Lithophyllum impressum</i> , <i>Lithotrix aspergillum</i> , <i>Pachyarthron cretaceum</i> , <i>Pneophyllum zostericola</i> , <i>Pseudolithophyllum muricatum</i> , <i>Pseudolithophyllum neofarlowii</i> , <i>Pseudolithophyllum whidbeyense</i>	<i>Clathromorphum circumscriptum</i> , <i>Clathromorphum parcum</i> , <i>Clathromorphum reclinatum</i> , <i>Lithothamnion phymatodeum</i> , <i>Melobesia marginata</i> , <i>Melobesia mediocris</i> , <i>Mesophyllum conchatum</i> , <i>Mesophyllum lamellatum</i> , <i>Mesophyllum vancouveriense</i>	Lindstrom, 1977; Scagel et al., 1989; Woelkerling et al., 2008
14	Canada, Queen Charlotte Islands	North America		<i>Melobesia mediocris</i>	Mondragon and Mondragon, 2003
15	USA, Washington	North America	<i>Bossiella chiloensis</i> , <i>Bossiella orbigniana</i> , <i>Bossiella plumosa</i> , <i>Calliarthron tuberculosum</i> , <i>Chiharaea americana</i> , <i>Chiharaea bodegensis</i> , <i>Chiharaea silvae</i> , <i>Corallina officinalis</i> var. <i>chilensis</i> ,	<i>Clathromorphum parcum</i> , <i>Clathromorphum reclinatum</i> , <i>Melobesia marginata</i> , <i>Melobesia mediocris</i> , <i>Mesophyllum conchatum</i> , <i>Mesophyllum lamellatum</i> ,	Scagel et al., 1989; Woelkerling et al., 2008

			<i>Corallina vancouveriensis</i> , <i>Johansenia macmillanii</i> , <i>Lithophyllum dispar</i> , <i>Lithophyllum</i> <i>impressum</i> , <i>Lithotrix aspergillum</i> , <i>Pachyarthron cretaceum</i> , <i>Pseudolithophyllum muricatum</i> , <i>Pseudolithophyllum neofarlowii</i> , <i>Pseudolithophyllum whidbeyense</i> , <i>Titanoderma pustulatum</i>	<i>Mesophyllum vancouveriense</i>	
16	USA, Oregon	North America	<i>Bossiella chiloensis</i> , <i>Bossiella</i> <i>orbigniana</i> , <i>Bossiella plumosa</i> , <i>Calliarthron tuberculosum</i> , <i>Chiharaea silvae</i> , <i>Corallina</i> <i>officinalis</i> var. <i>chilensis</i> , <i>Corallina</i> <i>vancouveriensis</i> , <i>Lithophyllum</i> <i>dispar</i> , <i>Lithophyllum grumosum</i> , <i>Lithotrix aspergillum</i> , <i>Pseudolithophyllum neofarlowii</i> , <i>Titanoderma pustulatum</i>	<i>Clathromorphum parcum</i> , <i>Lithothamnion phymatodeum</i> , <i>Melobesia marginata</i> , <i>Melobesia mediocris</i> , <i>Mesophyllum conchatum</i> , <i>Mesophyllum lamellatum</i>	Hansen, 1997
17	USA, California	North America	<i>Amphiroa beauvoisii</i> , <i>Bossiella</i> <i>chiloensis</i> , <i>Bossiella orbigniana</i> , <i>Bossiella plumosa</i> , <i>Calliarthron</i> <i>cheilosporiodes</i> , <i>Calliarthron</i> <i>tuberculosum</i> , <i>Chiharaea americana</i> , <i>Chiharaea bodegensis</i> , <i>Chiharaea</i>	<i>Choreonema thuretii</i> , <i>Clathromorphum parcum</i> , <i>Clathromorphum reclinatum</i> , <i>Lithothamnion australe</i> , <i>Lithothamnion californicum</i> , <i>Lithothamnion crassiusculum</i> ,	Scagel et al., 1989; Stewart, 1991; Athanasiadis, 2007; Miller, 2012; Brodie et al., 2013

silvae, *Corallina caespitosa*,
Corallina officinalis var. *chilensis*,
Corallina polysticha, *Corallina*
vancouveriensis, *Dermatolithon*
ascripticum, *Fosliella paschalis*,
Jania adhaerens, *Jania rosea*, *Jania*
tenella, *Jania verrucosa*, *Johansenia*
macmillanii, *Lithophyllum dispar*,
Lithophyllum grumosum,
Lithophyllum imitans, *Lithophyllum*
lichenare, *Lithophyllum*
proboscideum, *Lithotrix aspergillum*,
Neogoniolithon setchellii,
Pneophyllum nicholsii,
Pseudolithophyllum decipens,
Pseudolithophyllum muricatum,
Pseudolithophyllum neofarlowii,
Spongites decipiens, *Titanoderma*
pustulatum

Lithothamnion giganteum,
Lithothamnion montereyicum,
Lithothamnion phymatodeum,
Lithothamnion vulcanum,
Melobesia marginata,
Melobesia mediocris,
Mesophyllum conchatum,
Mesophyllum crassiusculum,
Mesophyllum lamellatum,
Mesophyllum megagastri

- | | | | | | |
|----|----------------------------------|---------------|--|--|--|
| 18 | USA, Channel Islands, California | North America | <i>Johansenia macmillanii</i> | | Mondragon and Mondragon, 2003 |
| 19 | Mexico, Baja California | North America | <i>Amphiroa beauvoisii</i> , <i>Bossiella californica</i> , <i>Bossiella gardneri</i> , <i>Bossiella pachyclada</i> , <i>Corallina</i> | <i>Melobesia marginata</i> ,
<i>Melobesia mediocris</i> ,
<i>Mesophyllum crassiusculum</i> , | Taylor, 1945;
Athanasiadis, 2007;
Miller, 2012 |

			<i>officinalis</i> var. <i>chilensis</i> , <i>Corallina vancouveriensis</i> , <i>Jania rosea</i> , <i>Lithotrix aspergillum</i>	<i>Mesophyllum stenopon</i>	
20	Mexico, Isla Guadalupe	North America	<i>Fosliella paschalis</i> , <i>Jania adhaerens</i> , <i>Jania cubensis</i> , <i>Jania rubens</i>	<i>Choreonema thuretii</i> , <i>Lithothamnion validum</i> , <i>Melobesia accola</i> , <i>Mesophyllum stenopon</i>	Setchell and Gardner, 1930; Athanasiadis, 2007
21	USA, Gulf of California	North America	<i>Amphiroa beauvoisii</i> , <i>Amphiroa pusilla</i> , <i>Amphiroa rigida</i> , <i>Corallina pilulifera</i> , <i>Dermatolithon veleroae</i> , <i>Heteroderma gibbsii</i> , <i>Lithophyllum hancockii</i> , <i>Lithophyllum lithophylloides</i> , <i>Lithophyllum veleroae</i> , <i>Porolithon sonorensis</i>	<i>Lithothamnion diguetii</i>	Dawson, 1944
22	USA, Maine	North America	<i>Corallina officinalis</i> , <i>Lithophyllum corallinae</i> , <i>Pneophyllum fragile</i> , <i>Titanoderma pustulatum</i>	<i>Clathromorphum circumscriptum</i> , <i>Lithothamnion glaciale</i> , <i>Phymatolithon laevigatum</i> , <i>Phymatolithon lamii</i>	Mathieson et al., 2001
23	USA, New Hampshire	North America	<i>Corallina officinalis</i> , <i>Lithophyllum corallinae</i> , <i>Pneophyllum fragile</i> , <i>Titanoderma pustulatum</i>	<i>Clathromorphum circumscriptum</i> , <i>Lithothamnion glaciale</i> , <i>Phymatolithon laevigatum</i> , <i>Phymatolithon lamii</i> , <i>Phymatolithon lenormandii</i>	Mathieson and Hehre, 1986

24	USA, Connecticut	North America	<i>Corallina officinalis</i>		Brodie et al., 2013
25	USA, Virginia	North America	<i>Corallina officinalis, Hydrolithon farinosum, Jania capillacea, Pneophyllum fragile</i>	<i>Melobesia membranacea</i>	Humm, 1979
26	USA, North Carolina	North America	<i>Amphiroa beauvoisii, Amphiroa brasiliiana, Amphiroa fragilissima, Corallina officinalis, Hydrolithon farinosum, Jania adhaerens, Jania capillacea, Jania cubensis, Jania rubens, Lithophyllum corallinae, Lithophyllum intermedium, Neogoniolithon caribaeum, Pneophyllum fragile, Titanoderma pustulatum</i>	<i>Lithothamnion occidentale, Mesophyllum floridanum, Phymatolithon tenuissimum</i>	Taylor, 1960; Schneider and Searles, 1991
27	USA, South Carolina	North America	<i>Amphiroa beauvoisii, Corallina officinalis, Pneophyllum fragile</i>	<i>Lithothamnion occidentale, Lithothamnion phymatodeum</i>	Schneider and Searles, 1991
28	USA, Florida	North America	<i>Amphiroa beauvoisii, Amphiroa brasiliiana, Amphiroa fragilissima, Amphiroa tribulus, Hydrolithon boergesenii, Hydrolithon farinosum, Jania adhaerens, Jania capillacea, Jania cubensis, Jania pumila, Jania rubens, Lithophyllum intermedium, Lithophyllum prototypum,</i>	<i>Lithothamnion occidentale, Melobesia membranacea, Mesophyllum floridanum</i>	Taylor, 1960; Schneider and Searles, 1991; Littler, Littler and Hanisak, 2008

			<i>Neogoniolithon accretum,</i> <i>Neogoniolithon fosliei,</i> <i>Neogoniolithon mamillare,</i> <i>Neogoniolithon spectabile,</i> <i>Neogoniolithon strictum,</i> <i>Pneophyllum fragile, Titanoderma</i> <i>pustulatum</i>		
29	USA, Texas	North America	<i>Amphiroa fragilissima, Amphiroa</i> <i>rigida, Amphiroa tribulus, Corallina</i> <i>officinalis, Hydrolithon farinosum,</i> <i>Jania adhaerens, Jania capillacea,</i> <i>Jania cubensis, Jania rubens, Jania</i> <i>subulata, Pneophyllum fragile,</i> <i>Titanoderma pustulatum</i>		Wynne, 2009
30	Mexico	North America	<i>Amphiroa annulata, Amphiroa</i> <i>beauvoisii, Amphiroa compressa var.</i> <i>tenuis, Amphiroa dimorpha,</i> <i>Amphiroa foliacea, Amphiroa</i> <i>franciscana, Amphiroa</i> <i>magdalenensis, Amphiroa</i> <i>misakiensis, Amphiroa subcylindrica,</i> <i>Amphiroa taylorii, Amphiroa</i> <i>tribulus, Amphiroa valonioides,</i> <i>Bossiella chiloensis, Bossiella</i> <i>cooperi, Bossiella gardneri,</i>	<i>Choreonema thuretii,</i> <i>Lithothamnion australe,</i> <i>Lithothamnion californicum,</i> <i>Lithothamnion diguetii,</i> <i>Lithothamnion giganteum,</i> <i>Lithothamnion guadalupense,</i> <i>Lithothamnion phymatodeum,</i> <i>Lithothamnion validum,</i> <i>Lithothamnion vulcanum,</i> <i>Melobesia accola, Melobesia</i> <i>marginata, Melobesia</i>	Taylor, 1945; Dawson, 1953; Dawson, 1960; Taylor, 1960; Johansen, 1971; Castaneda- Fernandez de Lara et al., 2010; Gabrielson et al., 2011; Martone et al., 2012

Bossiella ligulata, *Bossiella orbigniana*, *Bossiella pachyclada*, *Bossiella sagittata*, *Calliarthron cheilosporiodes*, *Calliarthron tuberculosum*, *Chiharaea americana*, *Chiharaea silvae*, *Corallina officinalis* var. *chilensis*, *Corallina polysticha*, *Corallina vancouveriensis*, *Dermatolithon veleroae*, *Fosliella paschalis*, *Heteroderma gibbsii*, *Heteroderma parvicarpa*, *Heteroderma subtilissimum*, *Hydrolithon arenicola*, *Hydrolithon farinosum*, *Hydrolithon reinboldii*, *Hydrolithon samoense*, *Jania adhaerens*, *Jania capillacea*, *Jania cubensis*, *Jania longiarthra*, *Jania pacifica*, *Jania rosea*, *Jania subpinnata*, *Jania tenella*, *Jania tenella* var. *zacaе*, *Jania verrucosa*, *Lithophyllum brachiatum*, *Lithophyllum corallinae*, *Lithophyllum dispar*, *Lithophyllum divaricatum*, *Lithophyllum grumosum*, *Lithophyllum hancockii*, *mediocris*, *Melobesia membranacea*, *Melobesia polystromatica*, *Mesophyllum crassiusculum*, *Mesophyllum engelhartii*, *Mesophyllum lamellatum*, *Phymatolithon lenormandii*

Lithophyllum imitans, *Lithophyllum*
lichenare, *Lithophyllum*
lithophylloides, *Lithophyllum*
margaritae, *Lithophyllum pallescens*,
Lithophyllum proboscideum,
Lithophyllum proboscideum var.
delicatulum, *Lithophyllum reesei*,
Lithophyllum veleroae, *Lithotrix*
aspergillum, *Neogoniolithon*
setchellii, *Neogoniolithon*
trichotomum, *Pneophyllum*
confervicola, *Pneophyllum conicum*,
Pneophyllum fragile, *Pneophyllum*
nicholsii, *Porolithon sonorensis*,
Pseudolithophyllum neofarlowii,
Spongites decipiens, *Spongites*
fruticulosa, *Titanoderma pustulatum*

31 Belize

Central
America

Amphiroa beauvoisii, *Amphiroa*
fragilissima, *Amphiroa tribulus*,
Hydrolithon boergesenii,
Hydrolithon farinosum, *Hydrolithon*
pachydermum, *Jania adhaerens*,
Jania capillacea, *Jania pumila*,
Jania rubens, *Lithoporella atlantica*,
Neogoniolithon spectabile,

Norris and Bucher, 1982;
Littler and Littler, 1997

			<i>Neogoniolithon strictum,</i> <i>Pneophyllum fragile, Titanoderma</i> <i>pustulatum</i>			
32	Honduras	Central America	<i>Amphiroa hancockii</i>			Bailey, Gabel and Freshwater, 2004
33	El Salvador	Central America	<i>Amphiroa beauvoisii, Amphiroa</i> <i>foliacea, Amphiroa misakiensis,</i> <i>Amphiroa valonioides, Heteroderma</i> <i>subtilissimum, Hydrolithon</i> <i>gardineri, Jania capillacea, Jania</i> <i>tenella, Lithophyllum canescens,</i> <i>Lithophyllum imitans, Lithophyllum</i> <i>kotschyanum, Pneophyllum</i> <i>confervicola</i>	<i>Melobesia marginata,</i> <i>Melobesia polystromatica,</i> <i>Phymatolithon lenormandii</i>		Fernandez-Garcia et al., 2011
34	Nicaragua	Central America	<i>Amphiroa rigida</i>	<i>Lithothamnion californicum</i>		Fernandez-Garcia et al., 2011
35	Costa Rica	Central America	<i>Amphiroa annulata, Amphiroa</i> <i>beauvoisii, Amphiroa foliacea,</i> <i>Amphiroa fragilissima, Amphiroa</i> <i>minutissima, Amphiroa misakiensis,</i> <i>Amphiroa polymorpha, Amphiroa</i> <i>rigida, Amphiroa valonioides,</i> <i>Dermatolithon saxicola, Hydrolithon</i> <i>boergesenii, Hydrolithon farinosum,</i> <i>Jania capillacea, Jania longiarthra,</i>	<i>Choreonema thuretii,</i> <i>Lithothamnion crispatum,</i> <i>Lithothamnion heteromorphum,</i> <i>Lithothamnion validum,</i> <i>Melobesia marginata,</i> <i>Mesophyllum crassiusculum</i>	<i>Sporolithon</i> <i>pacificum</i>	Taylor, 1945; Taylor, 1960; Fernandez-Garcia et al., 2011

Jania tenella, *Jania tenella* var.
zaca, *Jania unguolata*, *Lithophyllum*
canescens, *Lithophyllum fetum*,
Lithophyllum lividum,
Neogoniolithon fosliei,
Neogoniolithon trichotomum,
Porolithon coccosicum, *Spongites*
decepiens, *Spongites fruticulosa*,
Titanoderma pustulatum

36	Panama	Central America	<p> <i>Amphiroa beauvoisii</i>, <i>Amphiroa</i> <i>foliacea</i>, <i>Amphiroa fragilissima</i>, <i>Amphiroa hancockii</i>, <i>Amphiroa</i> <i>misakiensis</i>, <i>Amphiroa subcylindrica</i>, <i>Amphiroa tribulus</i>, <i>Amphiroa</i> <i>valonioides</i>, <i>Fosliella fertilis</i>, <i>Fosliella minuta</i>, <i>Hydrolithon</i> <i>farinosum</i>, <i>Jania capillacea</i>, <i>Lithophyllum alternans</i>, <i>Lithophyllum brachiatum</i>, <i>Lithophyllum coibense</i>, <i>Lithophyllum</i> <i>divaricatum</i>, <i>Lithophyllum fetum</i>, <i>Lithophyllum lividum</i>, <i>Lithophyllum</i> <i>pallescens</i>, <i>Lithophyllum</i> <i>prototypum</i>, <i>Neogoniolithon</i> <i>trichotomum</i>, <i>Porolithon coccosicum</i>, </p>	<p> <i>Lithothamnion australe</i>, <i>Lithothamnion crispatum</i>, <i>Melobesia membranacea</i> </p>	<p> <i>Sporolithon</i> <i>episporum</i>, <i>Sporolithon howei</i> </p>	<p> Taylor, 1960; Fernandez- Garcia et al., 2011 </p>
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37	Cuba	Caribbean Islands	<p><i>Titanoderma pustulatum</i></p> <p><i>Amphiroa beauvoisii</i>, <i>Amphiroa brasiliensis</i>, <i>Amphiroa fragilissima</i>, <i>Amphiroa rigida</i>, <i>Amphiroa tribulus</i>, <i>Amphiroa valonioides</i>, <i>Corallina officinalis</i>, <i>Hydrolithon farinosum</i>, <i>Hydrolithon onkodes</i>, <i>Hydrolithon pachydermum</i>, <i>Jania adhaerens</i>, <i>Jania capillacea</i>, <i>Jania cubensis</i>, <i>Jania pumila</i>, <i>Jania rubens</i>, <i>Jania subulata</i>, <i>Lithophyllum congestum</i>, <i>Neogoniolithon accretum</i>, <i>Neogoniolithon fosliei</i>, <i>Neogoniolithon strictum</i>, <i>Pneophyllum confervicola</i>, <i>Pneophyllum fragile</i>, <i>Titanoderma pustulatum</i></p>	<p><i>Lithothamnion occidentale</i>, <i>Melobesia membranacea</i>, <i>Mesophyllum floridanum</i>, <i>Mesophyllum incertum</i></p>	<p>Womersley, 1996; Suarez, 2005</p>	
38	Bahamas	Caribbean Islands	<p><i>Amphiroa fragilissima</i>, <i>Amphiroa tribulus</i>, <i>Fosliella chamaedoris</i>, <i>Hydrolithon boergesenii</i>, <i>Hydrolithon farinosum</i>, <i>Hydrolithon improcerum</i>, <i>Hydrolithon pachydermum</i>, <i>Jania adhaerens</i>, <i>Jania capillacea</i>, <i>Jania cubensis</i>, <i>Jania rubens</i>, <i>Lithophyllum</i></p>	<p><i>Mesophyllum ornatum</i></p>	<p><i>Sporolithon ptychoides</i></p>	<p>Taylor, 1960; Athanasiadis, 1999</p>

			<i>prototypum, Neogoniolithon accretum, Neogoniolithon acropetum, Neogoniolithon caribaeum, Neogoniolithon dispalatum, Neogoniolithon fosliei, Neogoniolithon spectabile, Neogoniolithon strictum, Pneophyllum fragile, Titanoderma pustulatum</i>			
39	Caicos Islands	Caribbean Islands	<i>Jania cubensis, Jania rubens, Neogoniolithon spectabile</i>			Taylor, 1960
40	Jamaica	Caribbean Islands	<i>Amphiroa fragilissima, Hydrolithon farinosum, Hydrolithon improcerum, Hydrolithon pachydermum, Jania adhaerens, Jania capillacea, Jania cubensis, Jania pumila, Jania rubens, Lithophyllum intermedium, Lithophyllum prototypum, Neogoniolithon caribaeum, Neogoniolithon fosliei, Neogoniolithon strictum, Pneophyllum fragile, Titanoderma pustulatum</i>	<i>Melobesia membranacea</i>	<i>Sporolithon ptychoides</i>	Taylor, 1960
41	Hispaniola, Dominican	Caribbean Islands	<i>Amphiroa brasiliana, Amphiroa fragilissima, Amphiroa hancockii,</i>	<i>Lithothamnion occidentale, Melobesia membranacea,</i>	<i>Sporolithon ptychoides</i>	Taylor, 1960; Betancourt and Herrera-Moreno,

Republic	<p><i>Amphiroa rigida</i>, <i>Amphiroa tribulus</i>, <i>Fosliella atlantica</i>, <i>Hydrolithon boergesenii</i>, <i>Hydrolithon farinosum</i>, <i>Jania adhaerens</i>, <i>Jania capillacea</i>, <i>Jania cubensis</i>, <i>Jania pumila</i>, <i>Jania rubens</i>, <i>Jania subulata</i>, <i>Lithophyllum congestum</i>, <i>Lithophyllum prototypum</i>, <i>Lithophyllum stictaeforme</i>, <i>Lithoporella atlantica</i>, <i>Lithoporella bermudensis</i>, <i>Neogoniolithon caribaeum</i>, <i>Neogoniolithon fosliei</i>, <i>Neogoniolithon spectabile</i>, <i>Neogoniolithon strictum</i>, <i>Pneophyllum fragile</i>, <i>Titanoderma pustulatum</i></p>	<p><i>Mesophyllum floridanum</i>, <i>Mesophyllum mesomorphum</i></p>	2001			
42	Puerto Rico	Caribbean Islands	<p><i>Amphiroa fragilissima</i>, <i>Amphiroa tribulus</i>, <i>Hydrolithon abyssophila</i>, <i>Hydrolithon chamaedoris</i>, <i>Hydrolithon farinosum</i>, <i>Hydrolithon pachydermum</i>, <i>Jania adhaerens</i>, <i>Jania pumila</i>, <i>Jania rubens</i>, <i>Lithophyllum congestum</i>, <i>Lithophyllum incrustans</i>, <i>Lithophyllum intermedium</i>,</p>	<p><i>Lithothamnion carpoklonion</i>, <i>Lithothamnion occidentale</i>, <i>Lithothamnion ruptile</i>, <i>Melobesia membranacea</i>, <i>Mesophyllum ornatum</i></p>	<p><i>Sporolithon ptychoides</i></p>	<p>Taylor, 1960; Ballantine, Ruiz and Aponte, 2004; Athanasiadis and Ballentine, 2011; Ballentine et al., 2011; Athanasiadis, Ballantine and Ruiz, 2013</p>

Lithophyllum prototypum,
Neogoniolithon accretum,
Neogoniolithon acropetum,
Neogoniolithon affine,
Neogoniolithon caribaeum,
Neogoniolithon fosliei,
Neogoniolithon spectabile,
Neogoniolithon strictum, *Porolithon*
antillarum

43	Virgin Islands, USA	Caribbean Islands	<p><i>Amphiroa fragilissima</i>, <i>Fosliella</i> <i>affinis</i>, <i>Fosliella atlantica</i>, <i>Fosliella</i> <i>chamaedoris</i>, <i>Hydrolithon</i> <i>boergesenii</i>, <i>Hydrolithon farinosum</i>, <i>Hydrolithon pachydermum</i>, <i>Jania</i> <i>adhaerens</i>, <i>Jania capillacea</i>, <i>Jania</i> <i>cubensis</i>, <i>Jania pumila</i>, <i>Litholepsis</i> <i>affinis</i>, <i>Lithophyllum congestum</i>, <i>Lithophyllum intermedium</i>, <i>Lithophyllum prototypum</i>, <i>Neogoniolithon accretum</i>, <i>Neogoniolithon caribaeum</i>, <i>Neogoniolithon erosum</i>, <i>Neogoniolithon fosliei</i>, <i>Neogoniolithon mamillare</i>, <i>Neogoniolithon strictum</i>,</p>	<p><i>Melobesia membranacea</i></p>	<p>Taylor, 1960; Woelkerling, 1998</p>
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			<i>Titanoderma pustulatum</i>		
44	Saints Kitts	Caribbean Islands	<i>Amphiroa tribulus</i>		Harvey et al., 2013
45	Martinique	Caribbean Islands	<i>Amphiroa fragilissima, Amphiroa tribulus, Hydrolithon farinosum, Jania adhaerens, Jania capillacea, Jania subulata</i>	<i>Melobesia membranacea</i>	Rodriguez-Prieto, Michanek and Ivon, 1999
46	Barbados	Caribbean Islands	<i>Amphiroa fragilissima, Amphiroa tribulus, Fosliella chamaedoris, Hydrolithon boergesenii, Hydrolithon farinosum, Hydrolithon improcerum, Hydrolithon pachydermum, Jania adhaerens, Jania capillacea, Jania cubensis, Jania rubens, Lithophyllum prototypum, Neogoniolithon accretum, Neogoniolithon acropetum, Neogoniolithon caribaeum, Neogoniolithon dispalatum, Neogoniolithon fosliei, Neogoniolithon spectabile, Neogoniolithon strictum, Pneophyllum fragile, Titanoderma pustulatum</i>	<i>Lithothamnion ruptile</i>	Taylor, 1960; Wynne, Bradshaw and Carrington, 2014
47	Saint Thomas,	Caribbean Islands	<i>Hydrolithon abyssophila</i>		Athanasiadis, Ballantine

	Barbados	n Islands			and Ruiz, 2013
48	Lesser Antilles	Caribbean Islands	<i>Amphiroa brasiliana</i> , <i>Amphiroa fragilissima</i> , <i>Amphiroa hancockii</i> , <i>Amphiroa rigida</i> , <i>Amphiroa tribulus</i> , <i>Corallina officinalis</i> , <i>Hydrolithon boreale</i> , <i>Hydrolithon farinosum</i> , <i>Jania adhaerens</i> , <i>Jania capillacea</i> , <i>Jania cubensis</i> , <i>Jania pumila</i> , <i>Jania rubens</i> , <i>Lithophyllum congestum</i> , <i>Pneophyllum fragile</i> , <i>Titanoderma pustulatum</i>	<i>Melobesia membranacea</i>	Taylor, 1960; Taylor, 1969
49	Trinidad	Caribbean Islands	<i>Amphiroa tribulus</i> , <i>Corallina officinalis</i> , <i>Lithophyllum congestum</i>		Richardson, 1975; Duncan and Lee Lum, 2003
50	Tobago	Caribbean Islands	<i>Hydrolithon farinosum</i> , <i>Jania rubens</i> , <i>Pneophyllum fragile</i>	<i>Melobesia membranacea</i>	Taylor, 1960
51	Trinidad and Tobago	Caribbean Islands	<i>Amphiroa brasiliana</i> , <i>Amphiroa fragilissima</i> , <i>Amphiroa rigida</i> , <i>Amphiroa tribulus</i> , <i>Lithophyllum congestum</i>		Duncan and Lee Lum, 2003
52	Curacao	Caribbean Islands	<i>Hydrolithon farinosum</i> , <i>Jania capillacea</i>		Fricke et al., 2011
53	Netherlands Antilles	Caribbean Islands	<i>Amphiroa fragilissima</i> , <i>Hydrolithon farinosum</i> , <i>Neogoniolithon spectabile</i>		Taylor, 1960
54	Tropical and	Caribbean	<i>Amphiroa anceps</i> , <i>Amphiroa</i>	<i>Lithothamnion brasiliense</i> , <i>Sporolithon</i>	Wynne, 2011

Subtropical	n Islands	<i>beauvoisii</i> , <i>Amphiroa</i>	<i>Lithothamnion crispatum</i> ,	<i>africanum</i> ,
Western		<i>breviarticulata</i> , <i>Amphiroa currae</i> ,	<i>Lithothamnion occidentale</i> var.	<i>Sporolithon</i>
Atlantic		<i>Amphiroa ephedraea</i> , <i>Amphiroa</i>	<i>effusum</i> , <i>Lithothamnion</i>	<i>australasicum</i> ,
		<i>fragilissima</i> , <i>Amphiroa fragilissima</i>	<i>glaciale</i> , <i>Lithothamnion</i>	<i>Sporolithon durum</i> ,
		<i>f. cuspidata</i> , <i>Amphiroa hancockii</i> ,	<i>muelleri</i> , <i>Lithothamnion</i>	<i>Sporolithon</i>
		<i>Amphiroa misakiensis</i> , <i>Amphiroa</i>	<i>occidentale</i> , <i>Lithothamnion</i>	<i>episporum</i> ,
		<i>nodulosa</i> , <i>Amphiroa rigida</i> ,	<i>ruptile</i> , <i>Lithothamnion</i>	<i>Sporolithon</i>
		<i>Amphiroa tribulus</i> , <i>Amphiroa</i>	<i>scabiosum</i> , <i>Lithothamnion</i>	<i>erythraeum</i> ,
		<i>vanbosseae</i> , <i>Corallina officinalis</i> ,	<i>sejunctum</i> , <i>Melobesia</i>	<i>Sporolithon howei</i> ,
		<i>Corallina panizzoi</i> , <i>Hydrolithon</i>	<i>membranacea</i> , <i>Mesophyllum</i>	<i>Sporolithon</i>
		<i>boergesenii</i> , <i>Hydrolithon boreale</i> ,	<i>aemulans</i> , <i>Mesophyllum</i>	<i>pacificum</i> ,
		<i>Hydrolithon chamaedoris</i> ,	<i>engelhartii</i> , <i>Mesophyllum</i>	<i>Sporolithon</i>
		<i>Hydrolithon farinosum</i> , <i>Hydrolithon</i>	<i>erubescens</i> , <i>Mesophyllum</i>	<i>ptychoides</i>
		<i>farinosum</i> var. <i>chalicodictya</i> ,	<i>floridanum</i> , <i>Mesophyllum</i>	
		<i>Hydrolithon improcerum</i> ,	<i>incertum</i> , <i>Mesophyllum</i>	
		<i>Hydrolithon munitum</i> , <i>Hydrolithon</i>	<i>mesomorphum</i> , <i>Mesophyllum</i>	
		<i>onkodes</i> , <i>Hydrolithon pachydermum</i>	<i>ornatum</i> , <i>Mesophyllum</i>	
		<i>f. nexile</i> , <i>Hydrolithon reinboldii</i> ,	<i>syntrophicum</i> , <i>Phymatolithon</i>	
		<i>Hydrolithon samoense</i> , <i>Jania</i>	<i>calcareum</i> , <i>Phymatolithon</i>	
		<i>adhaerens</i> , <i>Jania capillacea</i> , <i>Jania</i>	<i>purpureum</i> , <i>Phymatolithon</i>	
		<i>cultrata</i> , <i>Jania prolifera</i> , <i>Jania</i>	<i>tenuissimum</i>	
		<i>pumila</i> , <i>Jania rosea</i> , <i>Jania rubens</i> ,		
		<i>Jania sagittata</i> , <i>Jania sanctae-</i>		
		<i>marthae</i> , <i>Jania subulata</i> , <i>Jania</i>		
		<i>tenella</i> , <i>Jania unguolata</i> , <i>Jania</i>		

ungulata f. brevior, Jania verrucosa,
Lithophyllum brachiatum,
Lithophyllum congestum,
Lithophyllum corallinae,
Lithophyllum depressum,
Lithophyllum intermedium,
Lithophyllum johansenii,
Lithophyllum prototypum,
Lithophyllum stictaeforme,
Lithophyllum subtenellum,
Lithoporella atlantica, Lithoporella
bermudensis, Neogoniolithon
accretum, Neogoniolithon
acropetum, Neogoniolithon affine,
Neogoniolithon brassica-florida,
Neogoniolithon caribaeum,
Neogoniolithon dispalatum,
Neogoniolithon erosum,
Neogoniolithon mamillare,
Neogoniolithon propinquum,
Neogoniolithon rhizophorae,
Neogoniolithon spectabile,
Neogoniolithon strictum,
Neogoniolithon trichotomum,
Pneophyllum confervicola,

			<i>Pneophyllum fragile</i> , <i>Porolithon antillarum</i> , <i>Spongites absimile</i> , <i>Spongites fruticulosa</i> , <i>Spongites yendoi</i> , <i>Titanoderma polyclonum</i> , <i>Titanoderma pustulatum</i>			
55	Guyana	South America	<i>Pneophyllum fragile</i>			Taylor, 1960
56	Aves, island of Venezuela	South America	<i>Jania adhaerens</i> , <i>Pneophyllum fragile</i>			Taylor, 1960
57	Venezuela	South America	<i>Amphiroa beauvoisii</i> , <i>Amphiroa brasiliiana</i> , <i>Amphiroa currae</i> , <i>Amphiroa fragilissima</i> , <i>Amphiroa nodulosa</i> , <i>Amphiroa rigida</i> , <i>Corallina officinalis</i> , <i>Corallina panizzoi</i> , <i>Hydrolithon farinosum</i> , <i>Jania adhaerens</i> , <i>Jania cubensis</i> , <i>Jania pumila</i> , <i>Jania rubens</i> , <i>Jania subulata</i> , <i>Lithophyllum corallinae</i> , <i>Neogoniolithon strictum</i> , <i>Pneophyllum fragile</i> , <i>Titanoderma pustulatum</i>	<i>Lithothamnion occidentale</i> , <i>Melobesia membranacea</i>	<i>Sporolithon episporum</i>	Taylor, 1960; Ganesan, 1990
58	Colombia	South America	<i>Amphiroa beauvoisii</i> , <i>Amphiroa brasiliiana</i> , <i>Amphiroa fragilissima</i> , <i>Amphiroa hancockii</i> , <i>Amphiroa misakiensis</i> , <i>Amphiroa nodulosa</i> ,	<i>Lithothamnion occidentale</i> , <i>Mesophyllum mesomorphum</i> , <i>Mesophyllum ornatum</i> , <i>Phymatolithon calcareum</i>		Diaz-Pulido and Diaz-Ruiz, 2003; Albis-Salas and Gavio, 2011

Amphiroa rigida, *Amphiroa tribulus*,
Corallina officinalis, *Corallina*
panizzoi, *Hydrolithon boergesenii*,
Hydrolithon farinosum, *Hydrolithon*
farinosum var. *chalicodictya*,
Hydrolithon pachydermum, *Jania*
adhaerens, *Jania capillacea*, *Jania*
cubensis, *Jania pumila*, *Jania*
rubens, *Jania sanctae-marthae*,
Jania subulata, *Lithophyllum*
brachiatum, *Lithophyllum*
congestum, *Lithophyllum*
prototypum, *Lithophyllum*
stictaeforme, *Neogoniolithon fosliei*,
Neogoniolithon mamillare,
Neogoniolithon rhizophorae,
Neogoniolithon spectabile,
Neogoniolithon strictum,
Pneophyllum fragile, *Titanoderma*
pustulatum

59	Ecuador	South America	<i>Amphiroa beauvoisii</i> , <i>Amphiroa</i> <i>compressa</i> var. <i>tenuis</i> , <i>Amphiroa</i> <i>franciscana</i> , <i>Corallina officinalis</i> var. <i>chilensis</i> , <i>Fosliella minuta</i> , <i>Jania adhaerens</i> , <i>Jania arborescens</i> ,	<i>Melobesia marginata</i>	Taylor, 1945; Miller, 2012
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60	Galapagos Islands	South America	<p><i>Jania capillacea</i>, <i>Jania ungulata</i> <i>Amphiroa anceps</i>, <i>Amphiroa</i> <i>annulata</i>, <i>Amphiroa beauvoisii</i>, <i>Amphiroa compressa</i>, <i>Amphiroa</i> <i>crustiformis</i>, <i>Amphiroa dimorpha</i>, <i>Amphiroa galapagensis</i>, <i>Amphiroa</i> <i>peruana</i>, <i>Amphiroa polymorpha</i>, <i>Amphiroa valonioides</i>, <i>Amphiroa</i> <i>vanbosseae</i>, <i>Corallina berteroi</i>, <i>Corallina officinalis</i>, <i>Corallina</i> <i>officinalis var. chilensis</i>, <i>Corallina</i> <i>vancouveriensis</i>, <i>Jania capillacea</i>, <i>Jania ungulata</i>, <i>Lithophyllum</i> <i>alternans</i>, <i>Lithophyllum</i> <i>amplostratum</i>, <i>Lithophyllum</i> <i>canescens</i>, <i>Lithophyllum complexum</i>, <i>Lithophyllum decussatum</i>, <i>Lithophyllum divaricatum</i>, <i>Lithophyllum duckerae</i>, <i>Lithophyllum</i> <i>frutescens</i>, <i>Lithophyllum</i> <i>intermedium</i>, <i>Lithophyllum</i> <i>moluccense var. geminostratum</i>, <i>Lithophyllum prototypum</i>, <i>Lithophyllum rileyi</i>, <i>Lithophyllum</i> <i>sancti-georgei</i>, <i>Neogoniolithon</i></p>	<p><i>Choreonema thuretii</i>, <i>Lithothamnion cottonii</i>, <i>Lithothamnion fragiissimum</i>, <i>Lithothamnion phymatodeum</i>, <i>Melobesia accola</i>, <i>Melobesia</i> <i>galapagensis</i>, <i>Melobesia</i> <i>marginata</i>, <i>Melobesia</i> <i>membranacea</i>, <i>Mesophyllum</i> <i>laxum</i></p>	<p><i>Sporolithon</i> <i>pacificum</i></p>	<p>Taylor, 1945; Ruiz and Ziemmeck, 2011</p>
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			<i>brassica-florida</i> , <i>Neogoniolithon trichotomum</i> , <i>Pseudolithophyllum decipens</i> , <i>Spongites decipiens</i> , <i>Tenarea erecta</i> , <i>Titanoderma mutabile</i> , <i>Titanoderma pustulatum</i>		
61	Peru	South America	<i>Amphiroa dimorpha</i> , <i>Amphiroa pacifica</i> , <i>Amphiroa peruana</i> , <i>Amphiroa setacea</i> , <i>Corallina ferreyrai</i> , <i>Corallina officinalis</i> var. <i>chilensis</i> , <i>Jania verrucosa</i> , <i>Lithophyllum imitans</i>	<i>Lithothamnion fuegianum</i> , <i>Melobesia marginata</i>	Ramirez and Santelices, 1991
62	Chile	South America	<i>Amphiroa beauvoisii</i> , <i>Amphiroa crassa</i> , <i>Amphiroa fragilissima</i> , <i>Bossiella chiloensis</i> , <i>Corallina armata</i> , <i>Corallina berteroi</i> , <i>Corallina officinalis</i> var. <i>chilensis</i> , <i>Corallina pilulifera</i> , <i>Fosliella paschalis</i> , <i>Hydrolithon craspedium</i> , <i>Hydrolithon falklandicum</i> , <i>Hydrolithon farinosum</i> , <i>Hydrolithon gardineri</i> , <i>Hydrolithon onkodes</i> , <i>Hydrolithon samoense</i> , <i>Jania rosea</i> , <i>Jania rubens</i> , <i>Jania subulata</i> , <i>Jania tenella</i> , <i>Lithophyllum accedens</i> , <i>Lithophyllum aequum</i> , <i>Lithophyllum</i>	<i>Choreonema thuretii</i> , <i>Lithothamnion carolii</i> , <i>Lithothamnion fuegianum</i> , <i>Lithothamnion granuliferum</i> , <i>Lithothamnion heterocladum</i> , <i>Lithothamnion muelleri</i> , <i>Lithothamnion pauciporosum</i> , <i>Lithothamnion peruvienne</i> , <i>Lithothamnion sonderi</i> , <i>Lithothamnion validum</i> , <i>Melobesia accola</i> , <i>Mesophyllum exasperatum</i> , <i>Mesophyllum siamense</i> , <i>Phymatolithon calcareum</i> ,	Ramirez and Santelices, 1991

almanense, *Lithophyllum atalayense*, *Phymatolithon lenormandii*,
Lithophyllum decussatum, *Synarthrophyton neglectum*,
Lithophyllum fernandezianum, *Synarthrophyton patena*
Lithophyllum fetum, *Lithophyllum*
racemus, *Lithophyllum skottsbergii*,
Lithophyllum stictaeforme,
Lithophyllum subantarcticum,
Neogoniolithon mamillare,
Neogoniolithon oblimans,
Pachyarthron cretaceum,
Pneophyllum amplexifrons,
Pneophyllum nicholsii,
Pseudolithophyllum discoideum,
Titanoderma conspectum,
Titanoderma pustulatum,
Titanoderma rasile

63	Brazil	South America	<i>Amphiroa anastomosans</i> , <i>Amphiroa</i> <i>beauvoisii</i> , <i>Amphiroa brasiliiana</i> , <i>Amphiroa fragilissima</i> , <i>Amphiroa</i> <i>rigida</i> , <i>Amphiroa vanbosseae</i> , <i>Arthrocardia anceps</i> , <i>Arthrocardia</i> <i>flabellata</i> , <i>Corallina officinalis</i> , <i>Hydrolithon boergesenii</i> , <i>Hydrolithon farinosum</i> , <i>Hydrolithon</i> <i>pachydermum</i> , <i>Hydrolithon</i>	<i>Lithothamnion brasiliense</i> , <i>Lithothamnion crispatum</i> , <i>Lithothamnion heteromorphum</i> , <i>Lithothamnion occidentale</i> , <i>Lithothamnion scabiosum</i> , <i>Lithothamnion sejunctum</i> , <i>Lithothamnion steneckii</i> , <i>Melobesia membranacea</i> , <i>Mesophyllum engelhartii</i> ,	<i>Sporolithon</i> <i>africanum</i> , <i>Sporolithon</i> <i>australasicum</i> , <i>Sporolithon</i> <i>episporum</i> , <i>Sporolithon</i> <i>erythraeum</i> , <i>Sporolithon howei</i> ,	Taylor, 1930; Oliveira Filho, 1977; Creed et al., 2010; Villaca et al., 2010; Mariath, Riosmena- Rodriguez and Figueiredo, 2012; Bahia et al., 2014
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			<i>samoense, Jania adhaerens, Jania capillacea, Jania cubensis, Jania cultrata, Jania fastigiata, Jania prolifera, Jania pumila, Jania rubens, Jania sagittata, Jania subulata, Jania ungulata, Jania verrucosa, Lithophyllum congestum, Lithophyllum corallinae, Lithophyllum depressum, Lithophyllum fasciculatum, Lithophyllum johansenii, Lithophyllum margaritae, Lithophyllum stictaeforme, Neogoniolithon accretum, Neogoniolithon fosliei, Neogoniolithon mamillare, Neogoniolithon mamillosum, Pneophyllum conicum, Pneophyllum fragile, Titanoderma pustulatum</i>	<i>Mesophyllum erubescens, Mesophyllum lichenoides, Phymatolithon calcareum, Phymatolithon lenormandii, Phymatolithon masonianum</i>	<i>Sporolithon molle, Sporolithon pacificum, Sporolithon ptychoides</i>	
64	Uruguay	South America	<i>Amphiroa beauvoisii, Amphiroa brasiliiana, Corallina officinalis, Jania rubens</i>			Taylor, 1960; Coll and Oliveira, 1999
65	Argentina	South America	<i>Bossiella orbigniana, Corallina officinalis, Hydrolithon falklandicum, Hydrolithon</i>	<i>Clathromorphum obtectulum, Lithothamnion granuliferum, Lithothamnion heterocladum,</i>		Boraso de Zaixso, 2013

			<i>farinosum, Jania rubens,</i> <i>Lithophyllum rugosum,</i> <i>Pseudolithophyllum consociatum,</i> <i>Titanoderma pustulatum</i>	<i>Lithothamnion muelleri,</i> <i>Lithothamnion philippii,</i> <i>Mesophyllum lichenoides,</i> <i>Synarthrophyton neglectum,</i> <i>Synarthrophyton patena</i>	
66	Falkland Islands	South America	<i>Lithophyllum falkanicum,</i> <i>Metagoniolithon radiatum</i>	<i>Clathromorphum obtectulum,</i> <i>Epilithon vallentinae,</i> <i>Synarthrophyton patena</i>	Papenfuss, 1964; Wiencke and Clayton, 2002
67	Gough Island	Atlantic Islands	<i>Corallina goughensis, Corallina</i> <i>officinalis, Dermatolithon nodulosum</i>	<i>Synarthrophyton neglectum</i>	Chamberlain, 1965
68	Saint Helena	Atlantic Islands	<i>Amphiroa beauvoisii, Amphiroa</i> <i>fragilissima, Arthrocardia carinata,</i> <i>Hydrolithon farinosum, Jania</i> <i>adhaerens, Jania pumila,</i> <i>Neogoniolithon brassica-florida,</i> <i>Neogoniolithon mamillare,</i> <i>Neogoniolithon mamillosum</i>	<i>Mesophyllum brachycladum</i>	Price, John and Lawson, 1986; John et al., 2004
69	Ascension	Atlantic Islands	<i>Amphiroa fragilissima, Amphiroa</i> <i>rigida, Jania capillacea, Jania</i> <i>pumila, Jania rubens</i>	<i>Phymatolithon calcareum</i>	Price, John and Lawson, 1986; John et al., 2004
70	Cape Verde Islands	Atlantic Islands	<i>Amphiroa fragilissima, Amphiroa</i> <i>rigida, Corallina officinalis,</i> <i>Hydrolithon farinosum, Hydrolithon</i> <i>onkodes, Hydrolithon samoense,</i> <i>Jania adhaerens, Jania capillacea,</i>	<i>Lithothamnion corallioides,</i> <i>Lithothamnion esperi,</i> <i>Melobesia membranacea,</i> <i>Mesophyllum capense,</i> <i>Mesophyllum ectocarpon,</i>	<i>Sporolithon</i> <i>africanum</i> John et al., 2004; Prud'homme van Reine, Haroun and Kostermans, 2005

Jania cubensis, *Jania cultrata*, *Jania rubens*, *Jania tenella*, *Jania verrucosa*, *Jania virgata*, *Lithophyllum aninae*, *Lithophyllum byssoides*, *Lithophyllum esperi*, *Lithophyllum gracile*, *Lithophyllum incrustans*, *Lithophyllum polycephalum*, *Lithophyllum retusum*, *Lithophyllum simile*, *Lithoporella melobesioides*, *Lithoporella sauvageaui*, *Neogoniolithon caribaeum*, *Neogoniolithon mamillare*, *Neogoniolithon mamillosum*, *Pneophyllum amplexifrons*, *Pseudolithophyllum mildbraedii*, *Spongites absimile*, *Spongites africana*, *Spongites fruticulosa*, *Titanoderma mediterraneum*

Mesophyllum erubescens, *Mesophyllum lichenoides*, *Phymatolithon lenormandii*, *Phymatolithon purpureum*

Amphiroa beauvoisii, *Amphiroa cryptarthrodia*, *Amphiroa fragilissima*, *Amphiroa rigida*, *Corallina caespitosa*, *Corallina millegrana*, *Corallina officinalis*, *Dermatolithon polycephalum*, *Choreonema thuretii*, *Lithothamnion corallioides*, *Lithothamnion esperi*, *Lithothamnion philippii*, *Lithothamnion sonderi*, *Melobesia membranacea*, *Sporolithon africanum*

71 Canary Islands Atlantic Islands

Gil-Rodriguez and Afonso-Carrillo, 1980; Price, John and Lawson, 1986; Woelkerling et al., 1998; John et al., 2004; Athanasidis and Neto,

Fosliella paschalis, *Hydrolithon boreale*, *Hydrolithon cruciatum*, *Hydrolithon farinosum*, *Hydrolithon onkodes*, *Hydrolithon samoense*, *Jania adhaerens*, *Jania capillacea*, *Jania cubensis*, *Jania longifurca*, *Jania micrathrodia*, *Jania pumila*, *Jania rubens*, *Jania rubens* var. *corniculata*, *Jania squamata*, *Jania virgata*, *Lithophyllum congestum*, *Lithophyllum corallinae*, *Lithophyllum cystoseirae*, *Lithophyllum decussatum*, *Lithophyllum esperi*, *Lithophyllum incrustans*, *Lithophyllum papillosum*, *Lithophyllum polycephalum*, *Lithophyllum racemus*, *Lithophyllum stictaeforme*, *Lithophyllum tortuosum*, *Lithoporella sauvageaui*, *Neogoniolithon accretum*, *Neogoniolithon caribaeum*, *Neogoniolithon hirtum*, *Pneophyllum confervicola*, *Pneophyllum fragile*, *Spongites absimile*, *Spongites africana*, *Spongites fruticulosa*, *Mesophyllum brachycladum*, *Mesophyllum canariense*, *Mesophyllum capense*, *Mesophyllum ectocarpon*, *Mesophyllum erubescens*, *Mesophyllum expansum*, *Mesophyllum lichenoides*, *Phymatolithon calcareum*, *Phymatolithon lenormandii*, *Phymatolithon tenuissimum*

2010; Anon, 2011; Brodie et al., 2013

72	Portugal, Salvage Islands	Atlantic Islands	<p><i>Titanoderma pustulatum</i></p> <p><i>Amphiroa cryptarthrodia</i>, <i>Amphiroa fragilissima</i>, <i>Corallina officinalis</i>, <i>Hydrolithon farinosum</i>, <i>Jania adhaerens</i>, <i>Jania capillacea</i>, <i>Jania pumila</i>, <i>Jania rubens</i>, <i>Jania virgata</i>, <i>Lithophyllum byssoides</i>, <i>Lithophyllum corallinae</i>, <i>Lithophyllum orbiculatum</i>, <i>Lithophyllum stictaeforme</i>, <i>Pneophyllum confervicola</i>, <i>Titanoderma pustulatum</i></p>	<p><i>Choreonema thuretii</i>, <i>Lithothamnion corallioides</i>, <i>Melobesia membranacea</i></p>	Price, John and Lawson, 1986; John et al., 2004
73	Madeira	Atlantic Islands	<p><i>Amphiroa beauvoisii</i>, <i>Amphiroa cryptarthrodia</i>, <i>Amphiroa fragilissima</i>, <i>Amphiroa rigida</i>, <i>Corallina officinalis</i>, <i>Hydrolithon farinosum</i>, <i>Jania adhaerens</i>, <i>Jania capillacea</i>, <i>Jania intermedia</i>, <i>Jania longifurca</i>, <i>Jania pumila</i>, <i>Jania rubens</i>, <i>Jania rubens var. corniculata</i>, <i>Jania squamata</i>, <i>Jania virgata</i>, <i>Lithophyllum corallinae</i>, <i>Lithophyllum incrustans</i>, <i>Lithophyllum orbiculatum</i>, <i>Lithophyllum stictaeforme</i>,</p>	<p><i>Choreonema thuretii</i>, <i>Lithothamnion corallioides</i>, <i>Lithothamnion sonderi</i>, <i>Melobesia membranacea</i>, <i>Mesophyllum canariense</i>, <i>Mesophyllum expansum</i>, <i>Phymatolithon calcareum</i>, <i>Phymatolithon lenormandii</i></p>	Levring, 1974; Neto, Cravo and Haroun, 2001; John et al., 2004

			<i>Pneophyllum confervicola</i> , <i>Pneophyllum fragile</i> , <i>Spongites fruticulosa</i> , <i>Titanoderma pustulatum</i>		
74	Azores	Atlantic Islands	<i>Amphiroa beauvoisii</i> , <i>Amphiroa cryptarthrodia</i> , <i>Amphiroa fragilissima</i> , <i>Amphiroa rigida</i> , <i>Corallina caespitosa</i> , <i>Corallina officinalis</i> , <i>Hydrolithon onkodes</i> , <i>Jania adhaerens</i> , <i>Jania longifurca</i> , <i>Jania rubens</i> , <i>Jania rubens</i> var. <i>corniculata</i> , <i>Jania squamata</i> , <i>Jania verrucosa</i> , <i>Jania virgata</i> , <i>Lithophyllum azorum</i> , <i>Lithophyllum bipartitum</i> , <i>Lithophyllum decussatum</i> , <i>Lithophyllum tortuosum</i> , <i>Neogoniolithon brassica-florida</i> , <i>Pneophyllum confervicola</i> , <i>Titanoderma pustulatum</i>	<i>Choreonema thuretii</i> , <i>Lithothamnion esperi</i> , <i>Melobesia membranacea</i> , <i>Mesophyllum expansum</i> , <i>Mesophyllum lichenoides</i> , <i>Phymatolithon calcareum</i> , <i>Phymatolithon lenormandii</i> , <i>Phymatolithon tenuissimum</i>	Neto, 1994; Tittey and Neto, 1994; Athanasidis and Neto, 2010; Couto et al., 2011; Brodie et al., 2013
75	Bermuda	Atlantic Islands	<i>Amphiroa fragilissima</i> , <i>Corallina officinalis</i> , <i>Hydrolithon farinosum</i> , <i>Hydrolithon farinosum</i> var. <i>chalicodictya</i> , <i>Jania adhaerens</i> , <i>Jania capillacea</i> , <i>Jania cubensis</i> , <i>Jania pumila</i> , <i>Jania rubens</i> , <i>Lithophyllum intermedium</i> ,	<i>Mesophyllum mesomorphum</i>	Taylor, 1960; Schneider and Searles, 1991; Ballantine et al., 2011

			<i>Lithophyllum stictaeforme</i> , <i>Lithoporella bermudensis</i> , <i>Neogoniolithon spectabile</i> , <i>Titanoderma pustulatum</i>		
76	Norway	Europe	<i>Corallina officinalis</i> , <i>Hydrolithon cruciatum</i> , <i>Jania rubens</i> , <i>Lithophyllum corallinae</i> , <i>Lithophyllum incrustans</i> , <i>Lithophyllum orbiculatum</i> , <i>Pneophyllum confervicola</i> , <i>Pneophyllum coronatum</i> , <i>Pneophyllum fragile</i> , <i>Pneophyllum limitatum</i> , <i>Pneophyllum myriocarpum</i> , <i>Titanoderma laminariae</i> , <i>Titanoderma pustulatum</i>	<i>Clathromorphum circumscriptum</i> , <i>Kvaleya epilaeve</i> , <i>Lithothamnion corallioides</i> , <i>Lithothamnion glaciale</i> , <i>Lithothamnion sonderi</i> , <i>Lithothamnion tophiforme</i> , <i>Melobesia membranacea</i> , <i>Phymatolithon laevigatum</i> , <i>Phymatolithon lenormandii</i> , <i>Phymatolithon purpureum</i>	Adey and Adey, 1973; Rueness, 1997
77	Sweden	Europe	<i>Corallina officinalis</i> , <i>Hydrolithon farinosum</i> , <i>Jania rubens</i> , <i>Lithophyllum corallinae</i> , <i>Lithophyllum orbiculatum</i> , <i>Pneophyllum confervicola</i> , <i>Pneophyllum fragile</i> , <i>Pneophyllum limitatum</i> , <i>Titanoderma pustulatum</i>	<i>Choreonema thuretii</i> , <i>Lithothamnion glaciale</i> , <i>Lithothamnion sonderi</i> , <i>Melobesia membranacea</i> , <i>Phymatolithon calcareum</i> , <i>Phymatolithon laevigatum</i> , <i>Phymatolithon lenormandii</i>	Kylin, 1944
78	Scandinavia	Europe	<i>Corallina officinalis</i> , <i>Corallina officinalis f. flexilis</i> , <i>Hydrolithon boreale</i> , <i>Jania rubens</i> , <i>Lithophyllum</i>	<i>Choreonema thuretii</i> , <i>Clathromorphum circumscriptum</i> ,	Athanasiadis, 1987; Athanasiadis, 1996

corallinae, Lithophyllum duckerae, Lithophyllum fasciculatum, Lithophyllum incrustans, Lithophyllum orbiculatum, Pneophyllum confervicola, Pneophyllum coronatum, Pneophyllum fragile, Pneophyllum limitatum, Pneophyllum subplanum, Titanoderma pustulatum

Clathromorphum compactum, Kvaleyia epilaeve, Lithothamnion fornicatum f. apiculatum, Lithothamnion glaciale f. boreale, Lithothamnion breviaxe, Lithothamnion apiculatum f. connatum, Lithothamnion corallioides, Lithothamnion fruticosum f. corymbiformis, Lithothamnion flavescens, Lithothamnion fornicatum, Lithothamnion glaciale, Lithothamnion grande, Lithothamnion intermedium, Lithothamnion murmanicum, Lithothamnion nodulosum, Lithothamnion norvegicum, Lithothamnion calcareum f. palmatifidum, Lithothamnion sonderi, Lithothamnion tophiforme, Lithothamnion tusterense, Lithothamnion ungeri, Melobesia membranacea, Phymatolithon

				<i>calcareum</i> , <i>Phymatolithon investiens</i> , <i>Phymatolithon laevigatum</i> , <i>Phymatolithon lamii</i> , <i>Phymatolithon lenormandii</i> , <i>Phymatolithon purpureum</i> , <i>Phymatolithon tenue</i>	
79	Baltic Sea	Europe	<i>Corallina officinalis</i> , <i>Hydrolithon farinosum</i> , <i>Jania rubens</i> , <i>Pneophyllum confervicola</i> , <i>Pneophyllum coronatum</i> , <i>Pneophyllum fragile</i> , <i>Pneophyllum limitatum</i> , <i>Pneophyllum subplanum</i>	<i>Choreonema thuretii</i> , <i>Lithothamnion glaciale</i> , <i>Lithothamnion sonderi</i> , <i>Melobesia membranacea</i> , <i>Phymatolithon calcareum</i> , <i>Phymatolithon laevigatum</i> , <i>Phymatolithon lenormandii</i> , <i>Phymatolithon purpureum</i>	Nielsen et al., 1995
80	Faroe Islands	Europe	<i>Corallina officinalis</i> , <i>Lithophyllum corallinae</i> , <i>Lithophyllum incrustans</i> , <i>Lithophyllum orbiculatum</i> , <i>Titanoderma laminariae</i> , <i>Titanoderma pustulatum</i>	<i>Clathromorphum circumscriptum</i> , <i>Lithothamnion glaciale</i> , <i>Melobesia membranacea</i> , <i>Phymatolithon calcareum</i> , <i>Phymatolithon laevigatum</i> , <i>Phymatolithon lenormandii</i> , <i>Phymatolithon purpureum</i> , <i>Phymatolithon tenue</i>	Nielsen and Gunnarsson, 2001
81	Great-Britain	Europe	<i>Corallina caespitosa</i> , <i>Corallina</i>	<i>Boreolithon van-heurckii</i> ,	Newton, 1930; Irvine and

			<i>officinalis, Hydrolithon boreale,</i>	<i>Choreonema thuretii,</i>	Chamberlain, 1994;
			<i>Hydrolithon cruciatum, Hydrolithon</i>	<i>Clathromorphum compactum,</i>	Harvey and Woelkerling,
			<i>farinosum, Hydrolithon samoense,</i>	<i>Exilicrusta parva,</i>	1995; Hardy and Guiry,
			<i>Hydrolithon sargassi, Jania rubens,</i>	<i>Lithothamnion corallioides,</i>	2003; Ballantine et al.,
			<i>Jania rubens var. corniculata, Jania</i>	<i>Lithothamnion glaciale,</i>	2011; Guiry, 2012;
			<i>squamata, Lithophyllum bathyporum,</i>	<i>Lithothamnion lemoineae,</i>	Brodie et al., 2013
			<i>Lithophyllum corallinae,</i>	<i>Lithothamnion sonderi,</i>	
			<i>Lithophyllum duckerae, Lithophyllum</i>	<i>Melobesia membranacea,</i>	
			<i>fasciculatum, Lithophyllum</i>	<i>Mesophyllum lichenoides,</i>	
			<i>incrustans, Lithophyllum nitorum,</i>	<i>Phymatolithon brunneum,</i>	
			<i>Lithophyllum orbiculatum,</i>	<i>Phymatolithon calcareum,</i>	
			<i>Pneophyllum confervicola,</i>	<i>Phymatolithon laevigatum,</i>	
			<i>Pneophyllum coronatum,</i>	<i>Phymatolithon lamii,</i>	
			<i>Pneophyllum fragile, Pneophyllum</i>	<i>Phymatolithon lenormandii,</i>	
			<i>limitatum, Pneophyllum lobescens,</i>	<i>Phymatolithon purpureum</i>	
			<i>Pneophyllum myriocarpum,</i>		
			<i>Pneophyllum zonale, Titanoderma</i>		
			<i>laminariae, Titanoderma pustulatum</i>		
82	Ireland	Europe	<i>Corallina caespitosa, Corallina</i>	<i>Choreonema thuretii,</i>	Foslie, 1899; Hanna,
			<i>officinalis, Hydrolithon boreale,</i>	<i>Clathromorphum compactum,</i>	1902; Newton, 1931;
			<i>Hydrolithon cruciatum, Hydrolithon</i>	<i>Lithothamnion glaciale f.</i>	Guiry, 1978; Irvine and
			<i>farinosum, Hydrolithon samoense,</i>	<i>boreale, Lithothamnion</i>	Chamberlain, 1994;
			<i>Jania rubens, Jania rubens var.</i>	<i>corallioides, Lithothamnion</i>	Ballantine et al., 2011;
			<i>corniculata, Jania squamata, Jania</i>	<i>glaciale, Lithothamnion</i>	Guiry, 2012
			<i>virgata, Lithophyllum bathyporum,</i>	<i>norvegicum, Lithothamnion</i>	

			<i>Lithophyllum byssoides,</i>	<i>sonderi, Lithothamnion</i>	
			<i>Lithophyllum calcareum f. eunatum,</i>	<i>tophiforme, Melobesia</i>	
			<i>Lithophyllum corallinae,</i>	<i>membranacea, Mesophyllum</i>	
			<i>Lithophyllum dentatum,</i>	<i>lichenoides, Phymatolithon</i>	
			<i>Lithophyllum fasciculatum,</i>	<i>brunneum, Phymatolithon</i>	
			<i>Lithophyllum fasciculatum f.</i>	<i>calcareum, Phymatolithon</i>	
			<i>compressum, Lithophyllum</i>	<i>laevigatum, Phymatolithon</i>	
			<i>hibernicum, Lithophyllum incrustans,</i>	<i>lamii, Phymatolithon</i>	
			<i>Lithophyllum nitorum, Lithophyllum</i>	<i>lenormandii, Phymatolithon</i>	
			<i>orbiculatum, Pneophyllum</i>	<i>purpureum</i>	
			<i>confervicola, Pneophyllum</i>		
			<i>coronatum, Pneophyllum fragile,</i>		
			<i>Pneophyllum limitatum,</i>		
			<i>Pneophyllum myriocarpum,</i>		
			<i>Pneophyllum zonale, Titanoderma</i>		
			<i>laminariae, Titanoderma pustulatum</i>		
83	Netherlands	Europe	<i>Corallina officinalis, Hydrolithon</i>	<i>Lithothamnion sonderi,</i>	Stegenga and Mol, 1983;
			<i>farinosum, Jania rubens,</i>	<i>Melobesia membranacea,</i>	Bartsch and Kuhlenkamp,
			<i>Lithophyllum orbiculatum,</i>	<i>Mesophyllum lichenoides,</i>	2000
			<i>Pneophyllum confervicola,</i>	<i>Phymatolithon calcareum,</i>	
			<i>Pneophyllum fragile, Pneophyllum</i>	<i>Phymatolithon laevigatum,</i>	
			<i>myriocarpum, Titanoderma</i>	<i>Phymatolithon lenormandii,</i>	
			<i>pustulatum</i>	<i>Phymatolithon purpureum</i>	
84	France	Europe	<i>Amphiroa cryptarthrodia, Amphiroa</i>	<i>Boreolithon van-heurckii,</i>	<i>Sporolithon</i>
			<i>fragilissima, Amphiroa rigida,</i>	<i>Choreonema thuretii,</i>	<i>ptychoides</i>
					Feldmann, 1954; Babbini and Bressan, 1997;

<i>Corallina caespitosa</i> , <i>Corallina</i>	<i>Lithothamnion corallioides</i> ,	Cabioch and Mendoza, 1998; Bressan and Babbini, 2003; Dizerbo and Herbe, 2007; Ballantine et al., 2011; Aguirre et al., 2012; Anon, 2012; Brodie et al., 2013
<i>officinalis</i> , <i>Hydrolithon boreale</i> ,	<i>Lithothamnion crispatum</i> ,	
<i>Hydrolithon cruciatum</i> , <i>Hydrolithon</i>	<i>Lithothamnion glaciale</i> ,	
<i>farinosum</i> , <i>Hydrolithon farinosum</i>	<i>Lithothamnion hamelii</i> ,	
var. <i>chalicodictya</i> , <i>Hydrolithon</i>	<i>Lithothamnion minervae</i> ,	
<i>samoense</i> , <i>Hydrolithon sargassi</i> ,	<i>Lithothamnion moretii</i> ,	
<i>Jania longifurca</i> , <i>Jania nummulitica</i> ,	<i>Lithothamnion philippii</i> ,	
<i>Jania rubens</i> , <i>Jania rubens</i> var.	<i>Lithothamnion sonderi</i> ,	
<i>corniculata</i> , <i>Jania squamata</i> , <i>Jania</i>	<i>Lithothamnion valens</i> ,	
<i>virgata</i> , <i>Lithophyllum bathyporum</i> ,	<i>Melobesia membranacea</i> ,	
<i>Lithophyllum byssoides</i> ,	<i>Mesophyllum alternans</i> ,	
<i>Lithophyllum cabiochiae</i> ,	<i>Mesophyllum expansum</i> ,	
<i>Lithophyllum corallinae</i> ,	<i>Mesophyllum lichenoides</i> ,	
<i>Lithophyllum cystoseirae</i> ,	<i>Mesophyllum macroblastum</i> ,	
<i>Lithophyllum decussatum</i> ,	<i>Phymatolithon brunneum</i> ,	
<i>Lithophyllum dentatum</i> ,	<i>Phymatolithon calcareum</i> ,	
<i>Lithophyllum fasciculatum</i> ,	<i>Phymatolithon laevigatum</i> ,	
<i>Lithophyllum incrustans</i> ,	<i>Phymatolithon lamii</i> ,	
<i>Lithophyllum nitorum</i> , <i>Lithophyllum</i>	<i>Phymatolithon lenormandii</i> ,	
<i>orbiculatum</i> , <i>Lithophyllum</i>	<i>Phymatolithon purpureum</i> ,	
<i>papillosum</i> , <i>Lithophyllum racemus</i> ,	<i>Phymatolithon tenuissimum</i>	
<i>Lithophyllum stictaeforme</i> ,		
<i>Lithophyllum tortuosum</i> ,		
<i>Lithophyllum yessoense</i> ,		
<i>Neogoniolithon brassica-florida</i> ,		

			<i>Neogoniolithon mamillosum,</i> <i>Pneophyllum confervicola,</i> <i>Pneophyllum coronatum,</i> <i>Pneophyllum fragile, Pneophyllum limitatum, Pneophyllum lobescens,</i> <i>Pneophyllum myriocarpum,</i> <i>Pneophyllum zonale, Spongites fruticulosa, Titanoderma laminariae,</i> <i>Titanoderma mediterraneum,</i> <i>Titanoderma pustulatum</i>		
85	Spain	Europe	<i>Amphiroa beauvoisii, Amphiroa cryptarthrodia, Amphiroa rigida, Amphiroa vanbosseae, Corallina officinalis, Hydrolithon boreale, Hydrolithon farinosum, Hydrolithon farinosum var. chalicodictya, Hydrolithon samoense, Jania adhaerens, Jania longiarthra, Jania longifurca, Jania rubens var. corniculata, Jania squamata, Jania virgata, Lithophyllum bathyporum, Lithophyllum byssoides, Lithophyllum cabiochiae, Lithophyllum corallinae, Lithophyllum cystoseirae,</i>	<i>Boreolithon van-heurckii, Choreonema thuretii, Lithothamnion corallioides, Lithothamnion crispatum, Lithothamnion glaciale, Lithothamnion philippii, Lithothamnion sonderi, Lithothamnion valens, Melobesia membranacea, Mesophyllum alternans, Mesophyllum expansum, Mesophyllum lichenoides, Phymatolithon calcareum, Phymatolithon calcareum f. crassa, Phymatolithon</i>	Sauvageau, 1897; Ballesteros and Romero, 1982; Gomez-Menor Robles and Fuertes Lasala, 1982; Gallardo et al., 1985; Soto and Conde, 1989; Perez-Ruzafa et al., 1991; Conde et al., 1996; Babbini and Bressan, 1997; Barbara et al., 2005; Cires Rodriguez and Cuesta Moliner, 2010; Pinedo et al., 2013

Lithophyllum decussatum, *lenormandii*, *Phymatolithon*
Lithophyllum dentatum, *calcareum f. subvalida*,
Lithophyllum duckerae, *Lithophyllum Phymatolithon tenuissimum*
incrustans, *Lithophyllum incrustans*
f. flabellata, *Lithophyllum*
orbiculatum, *Lithophyllum*
papillosum, *Lithophyllum punctatum*,
Lithophyllum racemus, *Lithophyllum*
stictaeforme, *Lithophyllum*
tortuosum, *Lithophyllum tortuosum f.*
crassa, *Lithophyllum tortuosum f.*
decumbens, *Neogoniolithon*
brassica-florida, *Neogoniolithon*
mamillosum, *Pneophyllum*
confervicola, *Pneophyllum*
coronatum, *Pneophyllum fragile*,
Pneophyllum zonale, *Spongites*
absimile, *Spongites fruticulosa*,
Titanoderma laminariae,
Titanoderma mediterraneum,
Titanoderma pustulatum

86	Portugal	Europe	<p> <i>Amphiroa rigida</i>, <i>Amphiroa</i> <i>vanbosseae</i>, <i>Corallina caespitosa</i>, <i>Corallina officinalis</i>, <i>Hydrolithon</i> <i>farinosum</i>, <i>Jania longifurca</i>, <i>Jania</i> </p>	<p> <i>Choreonema thuretii</i>, <i>Melobesia membranacea</i>, <i>Mesophyllum lichenoides</i>, <i>Phymatolithon calcareum</i>, </p>	<p> Ardre, 1970; Araujo et al., 2003; Araujo et al., 2009 ; Barbara et al., 2012; Araujo et al., in </p>
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			<i>rubens</i> , <i>Jania squamata</i> , <i>Lithophyllum byssoides</i> , <i>Lithophyllum incrustans</i> , <i>Lithophyllum orbiculatum</i> , <i>Lithophyllum tortuosum</i> , <i>Neogoniolithon brassica-florida</i> , <i>Pneophyllum fragile</i> , <i>Titanoderma laminariae</i> , <i>Titanoderma pustulatum</i>	<i>Phymatolithon lenormandii</i>		press; Brodie et al., 2013
87	Gibraltar	Europe	<i>Jania rubens</i>			Conde Poyales, 1992
88	Spain, Isla de Alboran	Europe	<i>Amphiroa beauvoisii</i> , <i>Hydrolithon cruciatum</i> , <i>Lithophyllum incrustans</i>	<i>Lithothamnion corallioides</i> , <i>Phymatolithon calcareum</i> , <i>Phymatolithon lenormandii</i>		Conde and Flores Moya, 2000; Bressan and Babbini, 2003
89	Balearic Islands, Spain	Europe	<i>Amphiroa beauvoisii</i> , <i>Amphiroa cryptarthrodia</i> , <i>Amphiroa exilis</i> , <i>Amphiroa kuetzingiana</i> , <i>Amphiroa rigida</i> , <i>Corallina officinalis</i> , <i>Hydrolithon boreale</i> , <i>Hydrolithon farinosum</i> , <i>Hydrolithon farinosum var. chalicodictya</i> , <i>Jania adhaerens</i> , <i>Jania longifurca</i> , <i>Jania rubens</i> , <i>Jania rubens var. corniculata</i> , <i>Jania virgata</i> , <i>Lithophyllum byssoides</i> , <i>Lithophyllum corallinae</i> , <i>Lithophyllum cystoseirae</i> , <i>Lithophyllum incrustans</i> ,	<i>Choreonema thuretii</i> , <i>Lithothamnion corallioides</i> , <i>Lithothamnion philippii</i> , <i>Lithothamnion sonderi</i> , <i>Lithothamnion valens</i> , <i>Melobesia membranacea</i> , <i>Mesophyllum expansum</i> , <i>Mesophyllum lichenoides</i> , <i>Phymatolithon calcareum</i> , <i>Phymatolithon lenormandii</i>	<i>Sporolithon ptychoides</i>	Piccone, 1889; Ribera Siguan and Gomez Garreta, 1984; Cremades, 1989; Babbini and Bressan, 1997

			<i>Lithophyllum papillosum,</i>		
			<i>Lithophyllum tortuosum,</i>		
			<i>Neogoniolithon brassica-florida,</i>		
			<i>Neogoniolithon mamillosum,</i>		
			<i>Pneophyllum confervicola,</i>		
			<i>Pneophyllum coronatum,</i>		
			<i>Pneophyllum fragile, Pneophyllum</i>		
			<i>zonale, Spongites fruticulosa,</i>		
			<i>Titanoderma pustulatum</i>		
90	Monaco	Europe	<i>Jania adhaerens</i>		Klein and Verlaque, 2011
91	Corsica	Europe	<i>Amphiroa beauvoisii, Amphiroa</i>	<i>Choreonema thuretii,</i>	Babbini and Bressan,
			<i>cryptarthrodia, Amphiroa rigida,</i>	<i>Lithothamnion corallioides,</i>	1997; Bressan and
			<i>Corallina officinalis, Hydrolithon</i>	<i>Lithothamnion crispatum,</i>	Babbini, 2003
			<i>boreale, Hydrolithon farinosum,</i>	<i>Lithothamnion philippii,</i>	
			<i>Hydrolithon farinosum var.</i>	<i>Lithothamnion sonderi,</i>	
			<i>chalicodictya, Jania adhaerens,</i>	<i>Lithothamnion valens,</i>	
			<i>Jania longifurca, Jania rubens, Jania</i>	<i>Melobesia membranacea,</i>	
			<i>rubens var. corniculata, Jania</i>	<i>Mesophyllum expansum,</i>	
			<i>virgata, Lithophyllum byssoides,</i>	<i>Mesophyllum lichenoides,</i>	
			<i>Lithophyllum cabiochiae,</i>	<i>Mesophyllum macroblastum,</i>	
			<i>Lithophyllum cystoseirae,</i>	<i>Phymatolithon lenormandii,</i>	
			<i>Lithophyllum decussatum,</i>	<i>Phymatolithon tenuissimum</i>	
			<i>Lithophyllum fasciculatum,</i>		
			<i>Lithophyllum incrustans,</i>		
			<i>Lithophyllum racemus, Lithophyllum</i>		

			<i>stictaeforme</i> , <i>Lithophyllum</i> <i>tortuosum</i> , <i>Neogoniolithon brassica-</i> <i>florida</i> , <i>Neogoniolithon mamillosum</i> , <i>Pneophyllum confervicola</i> , <i>Pneophyllum fragile</i> , <i>Spongites</i> <i>fruticulosa</i> , <i>Titanoderma pustulatum</i>		
92	Sardinia	Europe	<i>Amphiroa beauvoisii</i> , <i>Amphiroa</i> <i>cryptarthrodia</i> , <i>Amphiroa</i> <i>fragilissima</i> , <i>Amphiroa rigida</i> , <i>Corallina officinalis</i> , <i>Hydrolithon</i> <i>boreale</i> , <i>Hydrolithon farinosum</i> , <i>Jania adhaerens</i> , <i>Jania rubens</i> , <i>Jania</i> <i>squamata</i> , <i>Jania virgata</i> , <i>Lithophyllum byssoides</i> , <i>Lithophyllum cystoseirae</i> , <i>Lithophyllum dentatum</i> , <i>Lithophyllum incrustans</i> , <i>Lithophyllum papillosum</i> , <i>Lithophyllum racemus</i> , <i>Lithophyllum</i> <i>stictaeforme</i> , <i>Neogoniolithon</i> <i>brassica-florida</i> , <i>Neogoniolithon</i> <i>mamillosum</i> , <i>Pneophyllum</i> <i>confervicola</i> , <i>Pneophyllum fragile</i> , <i>Spongites fruticulosa</i> , <i>Titanoderma</i> <i>mediterraneum</i> , <i>Titanoderma</i>	<i>Boreolithon van-heurckii</i> , <i>Choreonema thuretii</i> , <i>Lithothamnion corallioides</i> , <i>Lithothamnion sonderi</i> , <i>Lithothamnion valens</i> , <i>Melobesia membranacea</i> , <i>Mesophyllum lichenoides</i> , <i>Phymatolithon lenormandii</i>	Babbini and Bressan, 1997; Furnari et al., 2003

93	Italy	Europe	<p><i>pustulatum</i>, <i>Titanoderma trochanter</i> <i>Amphiroa beauvoisii</i>, <i>Amphiroa</i> <i>cryptarthrodia</i>, <i>Amphiroa</i> <i>fragilissima</i>, <i>Amphiroa kuetzingiana</i>, <i>Amphiroa rigida</i>, <i>Corallina</i> <i>caespitosa</i>, <i>Corallina officinalis</i>, <i>Hydrolithon boreale</i>, <i>Hydrolithon</i> <i>cruciatum</i>, <i>Hydrolithon farinosum</i>, <i>Hydrolithon farinosum</i> var. <i>chalicodictya</i>, <i>Jania adhaerens</i>, <i>Jania longifurca</i>, <i>Jania rubens</i>, <i>Jania</i> <i>rubens</i> var. <i>corniculata</i>, <i>Jania</i> <i>squamata</i>, <i>Jania subulata</i>, <i>Jania</i> <i>virgata</i>, <i>Lithophyllum byssoides</i>, <i>Lithophyllum corallinae</i>, <i>Lithophyllum cystoseirae</i>, <i>Lithophyllum decussatum</i>, <i>Lithophyllum dentatum</i>, <i>Lithophyllum fasciculatum</i>, <i>Lithophyllum incrustans</i>, <i>Lithophyllum orbiculatum</i>, <i>Lithophyllum papillosum</i>, <i>Lithophyllum polycarpum</i>, <i>Lithophyllum racemus</i>, <i>Lithophyllum</i> <i>stictaeforme</i>, <i>Lithophyllum</i></p>	<p><i>Boreolithon van-heurckii</i>, <i>Choreonema thuretii</i>, <i>Lithothamnion corallioides</i>, <i>Lithothamnion fruticosum</i> f. <i>crassiusculum</i>, <i>Lithothamnion</i> <i>crispatum</i>, <i>Lithothamnion</i> <i>minervae</i>, <i>Lithothamnion</i> <i>philippii</i>, <i>Lithothamnion</i> <i>sonderi</i>, <i>Lithothamnion valens</i>, <i>Lithothamnion validum</i>, <i>Melobesia confervoides</i>, <i>Melobesia membranacea</i>, <i>Melobesia polycarpa</i>, <i>Mesophyllum alternans</i>, <i>Mesophyllum expansum</i>, <i>Mesophyllum lichenoides</i>, <i>Mesophyllum macroblastum</i>, <i>Phymatolithon calcareum</i>, <i>Phymatolithon lenormandii</i></p>	<p><i>Sporolithon</i> <i>ptychoides</i></p>	<p>Giaccone, 1969; Cinelli, 1971; Cinelli et al., 1976; Cecere et al., 1996; Babbini and Bressan, 1997; Cabioch and Mendoza, 1998; Furnari, Cormaci and Serio, 1999; Furnari et al., 2003; Brodie et al., 2013</p>
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			<i>tarentinum</i> , <i>Lithophyllum tortuosum</i> , <i>Neogoniolithon brassica-florida</i> , <i>Neogoniolithon mamillosum</i> , <i>Pneophyllum confervicola</i> , <i>Pneophyllum coronatum</i> , <i>Pneophyllum fragile</i> , <i>Pneophyllum</i> <i>zonale</i> , <i>Spongites fruticulosa</i> , <i>Titanoderma mediterraneum</i> , <i>Titanoderma pustulatum</i> , <i>Titanoderma trochanter</i>			
94	Sicily	Europe	<i>Hydrolithon boreale</i> , <i>Hydrolithon</i> <i>farinosum</i> , <i>Jania adhaerens</i> , <i>Jania</i> <i>rubens</i> , <i>Neogoniolithon brassica-</i> <i>florida</i> , <i>Pneophyllum fragile</i>	<i>Phymatolithon lenormandii</i>	Alongi et al., 2012	
95	Malta	Europe	<i>Amphiroa beauvoisii</i> , <i>Amphiroa</i> <i>cryptarthrodia</i> , <i>Amphiroa rigida</i> , <i>Corallina officinalis</i> , <i>Hydrolithon</i> <i>boreale</i> , <i>Hydrolithon cruciatum</i> , <i>Hydrolithon farinosum</i> , <i>Hydrolithon</i> <i>farinosum var. chalicodictya</i> , <i>Jania</i> <i>adhaerens</i> , <i>Jania rubens</i> , <i>Jania</i> <i>virgata</i> , <i>Lithophyllum bahrijense</i> , <i>Lithophyllum byssoides</i> , <i>Lithophyllum cystoseirae</i> , <i>Lithophyllum incrustans</i> ,	<i>Choreonema thuretii</i> , <i>Lithothamnion magnum</i> , <i>Lithothamnion</i> <i>praefruticulosum</i> , <i>Mesophyllum</i> <i>commune</i>	<i>Sporolithon</i> <i>ptychoides</i>	Bosence, 1983; Cormaci et al., 1997; Babbini and Bressan, 1997; Bressan and Babbini, 2003

			<i>Lithophyllum mgarrense,</i> <i>Lithophyllum stictaeforme,</i> <i>Lithoporella melobesioides,</i> <i>Neogoniolithon brassica-florida,</i> <i>Neogoniolithon mamillosum,</i> <i>Pneophyllum fragile, Pneophyllum</i> <i>zonale, Spongites albanensis,</i> <i>Titanoderma pustulatum</i>		
96	Italy, Pelagean Islands	Europe	<i>Hydrolithon boreale, Hydrolithon farinosum, Jania adhaerens, Lithophyllum stictaeforme, Pneophyllum fragile</i>	<i>Lithothamnion sonderi</i>	Alongi et al., 2012
97	Italy, Adriatic Sea	Europe	<i>Lithoporella melobesioides</i>		Furnari, Cormaci and Serio, 1999
98	Slovenia	Europe	<i>Hydrolithon farinosum, Neogoniolithon brassica-florida, Pneophyllum fragile, Titanoderma pustulatum</i>		Rindi and Battelli, 2005
99	Croatia	Europe	<i>Amphiroa beauvoisii, Amphiroa cryptarthrodia, Amphiroa rigida, Hydrolithon boreale, Jania virgata, Neogoniolithon racemosum</i>	<i>Choreonema thuretii, Lithothamnion crispatum</i>	Bressan and Babbini, 2003; Basso and Rodondi, 2006; Basso et al., 2011
100	Albania	Europe	<i>Spongites albanensis</i>	<i>Lithothamnion bourcartii, Lithothamnion corallinaeforme</i>	Aguirre et al., 2012
101	Greece	Europe	<i>Amphiroa beauvoisii, Amphiroa</i>	<i>Choreonema thuretii,</i>	Athanasiadis, 1987;

cryptarthrodia, Amphiroa rigida, Lithothamnion corallioides,
Corallina caespitosa, Corallina Lithothamnion crispatum,
officinalis, Hydrolithon boreale, Lithothamnion philippii,
Hydrolithon cruciatum, Hydrolithon Melobesia membranacea,
farinosum, Hydrolithon farinosum Mesophyllum expansum,
var. chalicodictya, Jania adhaerens, Mesophyllum lichenoides,
Jania longifurca, Jania rubens, Jania Mesophyllum macedonis,
rubens var. corniculata, Jania Phymatolithon calcareum,
squamata, Jania virgata, Phymatolithon lenormandii
Lithophyllum byssoides,
Lithophyllum corallinae,
Lithophyllum cystoseirae,
Lithophyllum dentatum,
Lithophyllum duckerae, Lithophyllum
fasciculatum, Lithophyllum
incrustans, Lithophyllum
orbiculatum, Lithophyllum
papillosum, Lithophyllum racemus,
Lithophyllum stictaeforme,
Lithophyllum subtenellum,
Lithophyllum tortuosum,
Neogoniolithon brassica-florida,
Neogoniolithon mamillosum,
Pneophyllum confervicola,
Pneophyllum coronatum,

Babbini and Bressan,
 1997; Brodie et al., 2013

			<i>Pneophyllum fragile</i> , <i>Pneophyllum zonale</i> , <i>Spongites fruticulosa</i> , <i>Titanoderma pustulatum</i> , <i>Titanoderma trochanter</i>		
102	Bulgaria	Europe	<i>Corallina officinalis</i> , <i>Jania virgata</i> , <i>Lithophyllum cystoseirae</i> , <i>Pneophyllum confervicola</i> , <i>Titanoderma pustulatum</i>	<i>Melobesia membranacea</i>	Dimitrova-Konaklieva, 1981
103	Romania	Europe	<i>Amphiroa maletractata</i> var. <i>constricta</i> , <i>Amphiroa maletractata</i> , <i>Corallina officinalis</i> , <i>Hydrolithon farinosum</i> , <i>Jania rubens</i> , <i>Jania rubrens</i> , <i>Lithophyllum cystoseirae</i> , <i>Lithophyllum papillosum</i> , <i>Titanoderma pustulatum</i>	<i>Melobesia phragmiticola</i>	Caraus, 2002; Caraus, 2012
104	Black Sea	Europe	<i>Amphiroa maletractata</i> var. <i>constricta</i>		BSPC Editorial Board, 2014
105	Turkey	Europe	<i>Amphiroa beauvoisii</i> , <i>Amphiroa cryptarthrodia</i> , <i>Amphiroa rigida</i> , <i>Corallina officinalis</i> , <i>Hydrolithon farinosum</i> , <i>Jania longifurca</i> , <i>Jania rosea</i> , <i>Jania rubens</i> , <i>Jania rubens</i> var. <i>corniculata</i> , <i>Jania squamata</i> , <i>Jania virgata</i> , <i>Lithophyllum byssoides</i> , <i>Lithophyllum corallinae</i> ,	<i>Choreonema thuretii</i> , <i>Lithothamnion propontidis</i> , <i>Melobesia membranacea</i> , <i>Mesophyllum expansum</i> , <i>Mesophyllum lichenoides</i> , <i>Phymatolithon lenormandii</i>	Babbini and Bressan, 1997; Bressan and Babbini, 2003; Taskin et al., 2008

			<i>Lithophyllum cystoseirae</i> , <i>Lithophyllum incrustans</i> , <i>Lithophyllum lithophylloides</i> , <i>Lithophyllum orbiculatum</i> , <i>Lithophyllum papillosum</i> , <i>Lithophyllum stictaeforme</i> , <i>Lithophyllum tortuosum</i> , <i>Neogoniolithon setchellii</i> , <i>Pneophyllum confervicola</i> , <i>Pneophyllum fragile</i> , <i>Spongites</i> <i>fruticulosa</i> , <i>Titanoderma pustulatum</i>		
106	Cyprus	Europe	<i>Amphiroa beauvoisii</i> , <i>Amphiroa</i> <i>cryptarthrodia</i> , <i>Amphiroa rigida</i> , <i>Corallina officinalis</i> , <i>Hydrolithon</i> <i>cruciatum</i> , <i>Hydrolithon farinosum</i> , <i>Jania longifurca</i> , <i>Jania rubens</i> , <i>Jania</i> <i>virgata</i> , <i>Lithophyllum corallinae</i> , <i>Lithophyllum cystoseirae</i> , <i>Lithophyllum stictaeforme</i> , <i>Neogoniolithon brassica-florida</i> , <i>Neogoniolithon mamillosum</i> , <i>Pneophyllum fragile</i> , <i>Titanoderma</i> <i>trochanter</i>	<i>Choreonema thuretii</i> , <i>Lithothamnion philippii</i> , <i>Melobesia membranacea</i> , <i>Mesophyllum lichenoides</i>	Taskin et al., 2013
107	Syria	South- west Asia	<i>Amphiroa beauvoisii</i> , <i>Amphiroa</i> <i>cryptarthrodia</i> , <i>Jania virgata</i>		Bressan and Babbini, 2003

108	Israel	South- west Asia	<i>Amphiroa beauvoisii</i> , <i>Amphiroa cryptarthrodia</i> , <i>Amphiroa rigida</i> , <i>Corallina officinalis</i> , <i>Hydrolithon farinosum</i> , <i>Hydrolithon onkodes</i> , <i>Jania adhaerens</i> , <i>Jania rubens</i> , <i>Jania virgata</i> , <i>Lithophyllum cystoseirae</i> , <i>Lithophyllum kotschyanum</i> , <i>Lithophyllum okamurae</i> , <i>Lithophyllum stictaeforme</i> , <i>Lithoporella indica</i> , <i>Metamastophora flabellata</i> , <i>Neogoniolithon brassica-florida</i> , <i>Neogoniolithon fosliei</i> , <i>Neogoniolithon myriocarpum f. confragosum</i> , <i>Neogoniolithon propinquum</i> , <i>Titanoderma mediterraneum</i>	<i>Mesophyllum siamense</i> , <i>Mesophyllum simulans</i>	Papenfuss, 1968; Bressan and Babbini, 2003; Einav, 2007	
109	Saudi Arabia	South- west Asia	<i>Amphiroa fragilissima</i> , <i>Hydrolithon farinosum</i> , <i>Hydrolithon onkodes</i> , <i>Jania rubens</i> , <i>Lithophyllum acrocampum</i> , <i>Lithophyllum cystoseirae</i> , <i>Lithophyllum kotschyanum</i> , <i>Lithophyllum kotschyanum f. affine</i> , <i>Lithophyllum okamurae</i> , <i>Neogoniolithon fosliei</i> , <i>Neogoniolithon myriocarpum f.</i>	<i>Lithothamnion indicum f. subtile</i> , <i>Mesophyllum funafutiense</i> , <i>Mesophyllum siamense</i> , <i>Mesophyllum simulans</i>	<i>Sporolithon molle</i>	Papenfuss, 1964; Papenfuss, 1968; De Clerck and Coppejans, 1996

			<i>confragosum, Spongites yendoi</i>		
110	Red Sea	South-west Asia	<i>Lithophyllum duckerae, Lithophyllum kotschyianum, Neogoniolithon brassica-florida</i>		Silva, Basson and Moe, 1996
111	Yemen	South-west Asia	<i>Amphiroa anceps, Jania capillacea, Jania lobata, Lithophyllum racemus</i>	<i>Melobesia membranacea</i>	Papenfuss, 1968; Silva, Basson and Moe, 1996
112	Oman	South-west Asia	<i>Amphiroa anceps, Amphiroa beauvoisii, Jania adhaerens</i>		Silva, Basson and Moe, 1996
113	Dubai	South-west Asia	<i>Hydrolithon farinosum</i>		Silva, Basson and Moe, 1996
114	Abu Dhabi	South-west Asia	<i>Hydrolithon farinosum, Hydrolithon improcerum, Neogoniolithon misakiense</i>	<i>Sporolithon ptychoides</i>	John, 2005; John and Al-Thani, 2014
115	Qatar	South-west Asia	<i>Amphiroa fragilissima</i>		Silva, Basson and Moe, 1996
116	Bahrain	South-west Asia	<i>Hydrolithon farinosum, Jania pumila, Jania rubens</i>		Silva, Basson and Moe, 1996
117	Kuwait	South-west Asia	<i>Hydrolithon farinosum, Jania pumila, Pneophyllum fragile</i>		Silva, Basson and Moe, 1996
118	Iran	South-west Asia	<i>Amphiroa fragilissima, Hydrolithon farinosum, Jania adhaerens, Jania pumila, Jania rubens, Pneophyllum fragile</i>		Silva, Basson and Moe, 1996
119	Persian Gulf	South-west Asia	<i>Amphiroa fragilissima, Hydrolithon boreale, Hydrolithon cruciatum,</i>	<i>Lithothamnion muelleri</i>	<i>Sporolithon molle, Sporolithon</i> Silva, Basson and Moe, 1996; John and Al-Thani,

			<i>Hydrolithon farinosum, Hydrolithon improcerum, Jania adhaerens, Jania pumila, Jania rubens, Jania ungulata, Lithophyllum kotschyanum, Lithophyllum prototypum, Neogoniolithon brassica-florida, Neogoniolithon misakiense, Pneophyllum fragile, Spongites tunicata, Titanoderma pustulatum</i>		<i>ptychoides</i>	2014
120	Djibouti	Africa	<i>Hydrolithon onkodes, Jania rubens, Neogoniolithon oblimans, Titanoderma pustulatum</i>	<i>Lithothamnion crispatum, Mesophyllum siamense</i>	<i>Sporolithon erythraeum, Sporolithon ptychoides</i>	Silva, Basson and Moe, 1996
121	Eritrea	Africa	<i>Amphiroa kuetzingiana, Hydrolithon farinosum, Jania adhaerens</i>			Penrose and Chamberlain, 1993; Lipkin and Silva, 2002
122	Sudan	Africa	<i>Jania rubens, Jania tenella, Lithophyllum fasciculatum, Lithophyllum kotschyanum f. affine, Neogoniolithon oblimans</i>	<i>Choreonema thuretii, Lithothamnion crispatum, Mesophyllum expansum</i>		Papenfuss, 1968
123	Egypt, Red Sea	Africa	<i>Amphiroa fragilissima, Dermatolithon steinitzii, Hydrolithon farinosum, Hydrolithon onkodes, Jania adhaerens, Jania</i>	<i>Choreonema thuretii, Melobesia membranacea</i>	<i>Sporolithon crassum, Sporolithon erythraeum</i>	Papenfuss, 1968

			<i>micrathrodia</i> , <i>Jania pumila</i> , <i>Jania rubens</i> , <i>Lithophyllum byssoides</i> , <i>Lithophyllum incrustans</i> , <i>Lithophyllum kotschyanum</i> , <i>Lithoporella melobesioides</i> , <i>Neogoniolithon assitum</i> , <i>Neogoniolithon brassica-florida</i> , <i>Neogoniolithon fosliei</i> , <i>Neogoniolithon oblimans</i> , <i>Titanoderma pustulatum</i>			
124	Egypt	Africa	<i>Amphiroa beauvoisii</i> , <i>Amphiroa rigida</i> , <i>Corallina officinalis</i> , <i>Hydrolithon farinosum</i> , <i>Jania adhaerens</i> , <i>Jania longifurca</i> , <i>Jania rubens</i> , <i>Jania virgata</i> , <i>Lithophyllum byssoides</i> , <i>Lithophyllum cystoseirae</i> , <i>Lithophyllum incrustans</i> , <i>Pneophyllum fragile</i> , <i>Titanoderma pustulatum</i>	<i>Mesophyllum expansum</i> , <i>Phymatolithon lenormandii</i>	<i>Sporolithon molle</i>	Aleem, 1993; Babbini and Bressan, 1997; Bahia et al., 2014
125	Libya	Africa	<i>Amphiroa rigida</i> , <i>Corallina officinalis</i> , <i>Hydrolithon farinosum</i> , <i>Jania rubens</i> , <i>Jania rubens</i> var. <i>corniculata</i> , <i>Jania virgata</i> , <i>Lithophyllum byssoides</i> , <i>Lithophyllum corallinae</i> ,	<i>Lithothamnion corallioides</i> , <i>Lithothamnion crispatum</i> , <i>Lithothamnion philippii</i> , <i>Mesophyllum lichenoides</i> , <i>Phymatolithon lenormandii</i>		Babbini and Bressan, 1997

			<i>Lithophyllum cystoseirae,</i>		
			<i>Lithophyllum decussatum,</i>		
			<i>Lithophyllum incrustans,</i>		
			<i>Lithophyllum racemus,</i>		
			<i>Neogoniolithon mamillosum,</i>		
			<i>Pneophyllum coronatum, Spongites</i>		
			<i>fruticulosa, Titanoderma pustulatum</i>		
126	Tunisia	Africa	<i>Amphiroa beauvoisii, Amphiroa</i>	<i>Lithothamnion corallioides,</i>	Ben Maiz, Boudouresque and Quahchi, 1987; Babbini and Bressan, 1997
			<i>cryptarthrodia, Amphiroa rigida,</i>	<i>Lithothamnion propontidis,</i>	
			<i>Corallina officinalis, Hydrolithon</i>	<i>Lithothamnion sonderi,</i>	
			<i>boreale, Hydrolithon farinosum,</i>	<i>Lithothamnion valens,</i>	
			<i>Jania adhaerens, Jania longifurca,</i>	<i>Melobesia membranacea,</i>	
			<i>Jania rubens, Jania rubens var.</i>	<i>Mesophyllum expansum,</i>	
			<i>corniculata, Jania squamata, Jania</i>	<i>Mesophyllum lichenoides,</i>	
			<i>virgata, Lithophyllum byssoides,</i>	<i>Phymatolithon calcareum,</i>	
			<i>Lithophyllum cabiochiaie,</i>	<i>Phymatolithon lenormandii</i>	
			<i>Lithophyllum corallinae,</i>		
			<i>Lithophyllum cystoseirae,</i>		
			<i>Lithophyllum dentatum,</i>		
			<i>Lithophyllum incrustans,</i>		
			<i>Lithophyllum orbiculatum,</i>		
			<i>Lithophyllum racemus,</i>		
			<i>Neogoniolithon brassica-florida,</i>		
			<i>Neogoniolithon mamillosum,</i>		
			<i>Pneophyllum confervicola,</i>		

			<i>Pneophyllum coronatum,</i> <i>Pneophyllum fragile, Pneophyllum</i> <i>zonale, Spongites fruticulosa,</i> <i>Titanoderma pustulatum</i>		
127	Algeria	Africa	<i>Amphiroa beauvoisii, Amphiroa</i> <i>cryptarthrodia, Amphiroa</i> <i>fragilissima, Amphiroa rigida,</i> <i>Corallina officinalis, Hydrolithon</i> <i>farinosum, Jania adhaerens, Jania</i> <i>longifurca, Jania rubens, Jania</i> <i>rubens var. corniculata, Jania</i> <i>virgata, Lithophyllum byssoides,</i> <i>Lithophyllum cystoseirae,</i> <i>Lithophyllum dentatum,</i> <i>Lithophyllum incrustans,</i> <i>Lithophyllum orbiculatum,</i> <i>Lithophyllum papillosum,</i> <i>Lithophyllum racemus,</i> <i>Neogoniolithon brassica-florida,</i> <i>Neogoniolithon mamillosum,</i> <i>Pneophyllum coronatum,</i> <i>Pneophyllum fragile, Spongites</i> <i>fruticulosa, Titanoderma</i> <i>mediterraneum, Titanoderma</i> <i>pustulatum</i>	<i>Choreonema thuretii,</i> <i>Lithothamnion crispatum,</i> <i>Lithothamnion philippii,</i> <i>Melobesia membranacea,</i> <i>Mesophyllum alternans,</i> <i>Mesophyllum lichenoides,</i> <i>Phymatolithon calcareum,</i> <i>Phymatolithon lenormandii</i>	Babbini and Bressan, 1997; Cabioch and Mendoza, 1998

128	Morocco	Africa	<i>Amphiroa beauvoisii</i> , <i>Amphiroa cryptarthrodia</i> , <i>Amphiroa fragilissima</i> , <i>Amphiroa rigida</i> , <i>Corallina officinalis</i> , <i>Hydrolithon farinosum</i> , <i>Jania adhaerens</i> , <i>Jania longifurca</i> , <i>Jania rubens</i> , <i>Jania rubens var. corniculata</i> , <i>Jania squamata</i> , <i>Jania virgata</i> , <i>Lithophyllum byssoides</i> , <i>Lithophyllum cystoseirae</i> , <i>Lithophyllum decussatum</i> , <i>Lithophyllum dentatum</i> , <i>Lithophyllum incrustans</i> , <i>Lithophyllum papillosum</i> , <i>Lithophyllum tortuosum</i> , <i>Neogoniolithon brassica-florida</i> , <i>Neogoniolithon mamillosum</i> , <i>Pneophyllum fragile</i> , <i>Spongites fruticulosa</i> , <i>Titanoderma mediterraneum</i> , <i>Titanoderma pustulatum</i>	<i>Choreonema thuretii</i> , <i>Lithothamnion philippii</i> , <i>Melobesia membranacea</i> , <i>Mesophyllum alternans</i> , <i>Mesophyllum expansum</i> , <i>Mesophyllum lichenoides</i> , <i>Phymatolithon calcareum</i> , <i>Phymatolithon lenormandii</i> , <i>Phymatolithon tenuissimum</i>	<i>Sporolithon africanum</i>	Dangeard, 1949; Babbini and Bressan, 1997
129	Western Sahara	Africa	<i>Corallina berteroi</i> , <i>Corallina officinalis</i> , <i>Jania squamata</i> , <i>Lithophyllum incrustans</i>	<i>Mesophyllum lichenoides</i>		John et al., 2004
130	Mauritania	Africa	<i>Amphiroa annulata</i> , <i>Amphiroa</i>	<i>Choreonema thuretii</i> ,	<i>Sporolithon</i>	Price, John and Lawson,

			<i>beauvoisii</i> , <i>Amphiroa fragilissima</i> , <i>Amphiroa subcylindrica</i> , <i>Amphiroa</i> <i>vanbosseae</i> , <i>Corallina berteroi</i> , <i>Corallina officinalis</i> , <i>Hydrolithon</i> <i>farinosum</i> , <i>Jania acutiloba</i> , <i>Jania</i> <i>adhaerens</i> , <i>Jania capillacea</i> , <i>Jania</i> <i>longifurca</i> , <i>Jania rubens</i> , <i>Jania</i> <i>subulata</i> , <i>Jania verrucosa</i> , <i>Lithophyllum byssoides</i> , <i>Lithophyllum corallinae</i> , <i>Lithophyllum cystoseirae</i> , <i>Lithophyllum incrustans</i> , <i>Lithophyllum papillosum</i> , <i>Lithophyllum subtenellum</i> , <i>Lithophyllum tortuosum</i> , <i>Neogoniolithon mamillosum</i> , <i>Pneophyllum confervicola</i> , <i>Pneophyllum fragile</i> , <i>Pneophyllum</i> <i>mauritanum</i> , <i>Spongites africana</i> , <i>Spongites fruticulosa</i> , <i>Titanoderma</i> <i>polyclonum</i> , <i>Titanoderma pustulatum</i>	<i>Lithothamnion corallioides</i> , <i>Lithothamnion crispatum</i> , <i>Lithothamnion philippii</i> , <i>Melobesia membranacea</i> , <i>Mesophyllum ectocarpon</i> , <i>Mesophyllum lichenoides</i> , <i>Phymatolithon calcareum</i> , <i>Phymatolithon tenuissimum</i>	<i>africanum</i>	1986; John et al., 2004
131	Senegal	Africa	<i>Amphiroa anceps</i> , <i>Amphiroa</i> <i>beauvoisii</i> , <i>Amphiroa cryptarthrodia</i> , <i>Amphiroa fragilissima</i> , <i>Corallina</i> <i>officinalis</i> , <i>Hydrolithon farinosum</i> ,	<i>Lithothamnion philippii</i> , <i>Melobesia membranacea</i> , <i>Mesophyllum ectocarpon</i> , <i>Mesophyllum erubescens</i>		Price, John and Lawson, 1986; John et al., 2004

			<i>Jania adhaerens</i> , <i>Jania longifurca</i> , <i>Jania rubens</i> , <i>Jania squamata</i> , <i>Lithophyllum byssoides</i> , <i>Lithophyllum corallinae</i> , <i>Lithophyllum stictaeforme</i> , <i>Neogoniolithon mamillare</i> , <i>Neogoniolithon mamillosum</i> , <i>Spongites africana</i> , <i>Spongites fruticulosa</i>	
132	Gambia	Africa	<i>Amphiroa beauvoisii</i> , <i>Amphiroa ephedraea</i> , <i>Amphiroa fragilissima</i> , <i>Corallina muscoides</i> , <i>Corallina officinalis</i> , <i>Corallina pilulifera</i> , <i>Hydrolithon farinosum</i> , <i>Jania adhaerens</i> , <i>Jania rubens</i>	Price, John and Lawson, 1986; John et al., 2004
133	Sierra Leone	Africa	<i>Jania adhaerens</i> , <i>Jania verrucosa</i>	John et al., 2004
134	Liberia	Africa	<i>Amphiroa beauvoisii</i> , <i>Amphiroa peruana</i> , <i>Corallina pilulifera</i> , <i>Jania adhaerens</i> , <i>Jania subulata</i> , <i>Jania verrucosa</i>	John et al., 2004
135	Cote d'Ivoire	Africa	<i>Amphiroa beauvoisii</i> , <i>Amphiroa peruana</i> , <i>Corallina pilulifera</i> , <i>Jania verrucosa</i>	John et al., 2004
136	Ghana	Africa	<i>Amphiroa beauvoisii</i> , <i>Amphiroa misakiensis</i> , <i>Amphiroa peruana</i> ,	Price, John and Lawson, 1986; John et al., 2004;

			<i>Amphiroa rigida</i> , <i>Corallina caespitosa</i> , <i>Corallina officinalis</i> , <i>Corallina pilulifera</i> , <i>Hydrolithon boreale</i> , <i>Hydrolithon farinosum</i> , <i>Hydrolithon onkodes</i> , <i>Jania adhaerens</i> , <i>Jania capillacea</i> , <i>Jania rubens</i> , <i>Jania subulata</i> , <i>Jania verrucosa</i> , <i>Lithophyllum pallescens</i> , <i>Pneophyllum fragile</i> , <i>Pseudolithophyllum mildbraedii</i>			Brodie et al., 2013
137	Nigeria	Africa	<i>Jania rubens</i> , <i>Jania verrucosa</i>			John et al., 2004
138	Cameroon	Africa	<i>Amphiroa rigida</i> , <i>Jania adhaerens</i> , <i>Jania rubens</i> , <i>Neogoniolithon mamillare</i> , <i>Pseudolithophyllum mildbraedii</i> , <i>Spongites africana</i>	<i>Sporolithon africanum</i>		John, Lawson and Ameka, 2003; John et al., 2004
139	Equatorial Guinea	Africa	<i>Lithophyllum cystoseirae</i> , <i>Lithophyllum kotschyannum</i> , <i>Lithophyllum leptothalloideum</i> , <i>Lithophyllum papillosum</i> , <i>Neogoniolithon mamillare</i> , <i>Pseudolithophyllum mildbraedii</i> , <i>Spongites africana</i>	<i>Sporolithon africanum</i>		John, Lawson and Ameka, 2003; John et al., 2004
140	Sao Tomé and Príncipe	Africa	<i>Amphiroa capensis</i> , <i>Hydrolithon boergesenii</i> , <i>Hydrolithon onkodes</i> , <i>Jania adhaerens</i> , <i>Jania rubens</i> ,	<i>Mesophyllum brachycladum</i> , <i>Mesophyllum canariense</i> , <i>Mesophyllum floridanum</i> ,	<i>Sporolithon africanum</i>	John, Lawson and Ameka, 2003; John et al., 2004

			<i>Lithophyllum incrustans,</i> <i>Lithophyllum simile, Lithophyllum</i> <i>subtenellum, Porolithon</i> <i>aequinoctiale, Pseudolithophyllum</i> <i>mildbraedii, Spongites africana</i>	<i>Phymatolithon tenuissimum</i>	
141	Gabon	Africa	<i>Amphiroa beauvoisii, Amphiroa</i> <i>rigida, Hydrolithon farinosum, Jania</i> <i>capillacea, Jania verrucosa</i>		John et al., 2004
142	Congo	Africa	<i>Amphiroa beauvoisii, Jania</i> <i>longifurca</i>		John et al., 2004
143	Angola	Africa	<i>Amphiroa beauvoisii, Corallina</i> <i>officinalis, Jania verrucosa,</i> <i>Pseudolithophyllum mildbraedii</i>	<i>Melobesia membranacea</i>	John et al., 2004
144	Namibia	Africa	<i>Arthrocardia carinata, Arthrocardia</i> <i>filicula, Arthrocardia palmata,</i> <i>Arthrocardia setchellii, Lithophyllum</i> <i>neoatalayense, Spongites discoidea</i>	<i>Melobesia membranacea,</i> <i>Mesophyllum engelhartii,</i> <i>Synarthrophyton munimentum</i>	<i>Heydrichia groeneri</i> Price, John and Lawson, 1986; John et al., 2004
145	South Africa	Africa	<i>Amphiroa anceps, Amphiroa</i> <i>beauvoisii, Amphiroa bowerbankii,</i> <i>Amphiroa capensis, Amphiroa</i> <i>ephedraea, Anthrocardia anceps,</i> <i>Arthrocardia carinata, Arthrocardia</i> <i>corymbosa, Arthrocardia duthieae,</i> <i>Arthrocardia filicula, Arthrocardia</i> <i>flabellata, Arthrocardia palmata,</i>	<i>Choreonema thuretii,</i> <i>Clathromorphum tubiforme,</i> <i>Lithothamnion crispatum,</i> <i>Melobesia membranacea,</i> <i>Mesophyllum capense,</i> <i>Mesophyllum engelhartii,</i> <i>Mesophyllum erubescens,</i> <i>Mesophyllum funafutiense,</i>	<i>Heydrichia</i> <i>cerasina,</i> <i>Heydrichia</i> <i>groeneri,</i> <i>Heydrichia</i> <i>woelkerlingii,</i> <i>Sporolithon</i> <i>episporum,</i> Chamberlain, 1994; Keats and Chamberlain, 1995; Silva, Basson and Moe, 1996; De Clerck, Trochin and Schils, 2005; Maneveldt, Chamberlain and Keats, 2008; Keats et al., 2009; Maneveldt and

Corallina berteroi, *Corallina officinalis*, *Corallina officinalis* var. *chilensis*, *Corallina pilulifera*, *Hydrolithon farinosum*, *Hydrolithon onkodes*, *Hydrolithon pellire*, *Hydrolithon samoense*, *Hydrolithon superficiale*, *Jania adhaerens*, *Jania capillacea*, *Jania cultrata*, *Jania fastigiata*, *Jania intermedia*, *Jania pygmaea*, *Jania rosea*, *Jania rubens*, *Jania rubens* var. *africana*, *Jania sagittata*, *Jania squamata*, *Jania subulata*, *Jania verrucosa*, *Lithophyllum acrocamptum*, *Lithophyllum byssoides*, *Lithophyllum corallinae*, *Lithophyllum incrustans*, *Lithophyllum neoatalayense*, *Lithophyllum polycephalum*, *Lithophyllum stephensonii*, *Mastophora pacifica*, *Metamastophora flabellata*, *Neogoniolithon brassica-florida*, *Neogoniolithon mamillare*, *Pneophyllum amplexifrons*, *Phymatolithon purpureum*, *Synarthrophyton patena*, *Sporolithon ptychoides* van der Merwe, 2012

			<i>Pneophyllum coronatum,</i> <i>Pneophyllum fragile, Pneophyllum keatsii, Spongites discoidea, Spongites impar, Spongites yendoi, Titanoderma pustulatum</i>			
146	Mozambique	Africa	<i>Arthrocardia carinata, Arthrocardia flabellata, Jania cubensis, Jania cultrata, Jania intermedia, Jania rosea, Lithophyllum corallinae, Lithophyllum kotschyanum f. subplicatum, Metamastophora flabellata, Neogoniolithon oblimans, Pneophyllum amplexifrons</i>	<i>Choreonema thuretii</i>		Chamberlain and Norris, 1994; Silva, Basson and Moe, 1996;
147	Madagascar	Africa	<i>Amphiroa anceps, Amphiroa bowerbankii, Amphiroa ephedraea, Amphiroa fragilissima, Amphiroa gracilis, Amphiroa tribulus, Amphiroa ungulata, Arthrocardia palmata, Arthrocardia wardii, Hydrolithon craspedium, Hydrolithon cymodoceae, Hydrolithon farinosum, Hydrolithon onkodes, Jania adhaerens, Jania cultrata, Jania longifurca, Jania pacifica, Jania pumila, Jania rosea,</i>	<i>Lithothamnion proliferum, Melobesia membranacea, Mesophyllum erubescens</i>	<i>Sporolithon crassiramosum, Sporolithon sibogae</i>	Silva, Basson and Moe, 1996;

Jania rubens, *Lithophyllum*
acrocampum, *Lithophyllum*
kotschyanum, *Lithophyllum*
kotschyanum f. subplicatum,
Lithophyllum pygmaeum,
Lithoporella melobesioides,
Mastophora variegata,
Neogoniolithon brassica-florida,
Neogoniolithon oblimans,
Pneophyllum amplexifrons,
Pneophyllum fragile, *Titanoderma*
rasile

148 Tanzania

Africa

Amphiroa anceps, *Amphiroa*
beauvoisii, *Amphiroa ephedraea*,
Amphiroa fragilissima, *Amphiroa*
rigida, *Amphiroa tribulus*,
Hydrolithon farinosum, *Hydrolithon*
onkodes, *Hydrolithon reinboldii*,
Jania acutiloba, *Jania adhaerens*,
Jania capillacea, *Jania*
micrathrodia, *Jania pumila*, *Jania*
pygmaea, *Jania rosea*, *Jania rubens*,
Jania subulatam, *Jania tenella*, *Jania*
ungulata, *Jania ungulata f. brevior*,
Lithophyllum kotschyanum,

Lithothamnion crispatum,
Mesophyllum erubescens

Sporolithon
episporum,
Sporolithon
erythraeum,
Sporolithon
ptychoides

Silva, Basson and Moe,
1996; Oliveira, Osterlund
and Mtolera, 2005

149	Kenya	Africa	<i>Lithophyllum stictaeforme</i> , <i>Neogoniolithon brassica-florida</i> <i>Amphiroa anceps</i> , <i>Amphiroa</i> <i>fragilissima</i> , <i>Amphiroa rigida</i> , <i>Amphiroa tribulus</i> , <i>Hydrolithon</i> <i>farinosum</i> , <i>Hydrolithon onkodes</i> , <i>Hydrolithon reinboldii</i> , <i>Jania</i> <i>acutiloba</i> , <i>Jania adhaerens</i> , <i>Jania</i> <i>capillacea</i> , <i>Jania pumila</i> , <i>Jania</i> <i>rosea</i> , <i>Jania rubens</i> , <i>Jania sagittata</i> , <i>Jania subulata</i> , <i>Jania ungulata f.</i> <i>brevior</i> , <i>Lithophyllum acrocampum</i> , <i>Lithophyllum kotschyanum</i> , <i>Lithophyllum pygmaeum</i> , <i>Neogoniolithon accretum</i> , <i>Neogoniolithon trichotomum</i>	<i>Choreonema thuretii</i> , <i>Mesophyllum crispescens</i> , <i>Mesophyllum erubescens</i>	<i>Sporolithon</i> <i>erythraeum</i>	Silva, Basson and Moe, 1996
150	Somalia	Africa	<i>Amphiroa anceps</i> , <i>Amphiroa</i> <i>fragilissima</i> , <i>Hydrolithon</i> <i>craspedium</i> , <i>Hydrolithon farinosum</i> , <i>Hydrolithon onkodes</i> , <i>Hydrolithon</i> <i>somaliae</i> , <i>Jania rubens</i> , <i>Jania</i> <i>sagittata</i> , <i>Jania subulata</i> , <i>Titanoderma pustulatum</i>		<i>Sporolithon</i> <i>stefaninii</i>	Silva, Basson and Moe, 1996
151	Ethiopia	Africa	<i>Hydrolithon farinosum</i> , <i>Jania</i> <i>adhaerens</i> , <i>Jania pumila</i> , <i>Jania</i>	<i>Lithothamnion indicum f.</i> <i>subtile</i> , <i>Melobesia</i>	<i>Sporolithon</i> <i>erythraeum</i>	Papenfuss, 1968

			<i>rubens</i> , <i>Jania tenella</i> , <i>Lithophyllum kotschyanum</i> , <i>Lithophyllum kotschyanum f. affine</i> , <i>Lithophyllum racemus</i> , <i>Lithophyllum subreduncum</i> , <i>Lithoporella indica</i> , <i>Neogoniolithon fosliei</i> , <i>Neogoniolithon oblimans</i> , <i>Pneophyllum fragile</i>	<i>membranacea</i> , <i>Phymatolithon lenormandii</i>		
152	Pakistan	South-west Asia	<i>Amphiroa anceps</i> , <i>Amphiroa fragilissima</i> , <i>Corallina officinalis</i> , <i>Jania adhaerens</i> , <i>Jania capillacea</i> , <i>Jania cubensis</i> , <i>Jania rubens</i> , <i>Spongites fruticulosa</i> , <i>Titanoderma pustulatum</i>		Silva, Basson and Moe, 1996	
153	India	South-west Asia	<i>Amphiroa anastomosans</i> , <i>Amphiroa anceps</i> , <i>Amphiroa brasiliiana</i> , <i>Amphiroa foliacea</i> , <i>Amphiroa fragilissima</i> , <i>Amphiroa rigida</i> , <i>Corallina berteroi</i> , <i>Corallina officinalis</i> , <i>Hydrolithon craspedium</i> , <i>Hydrolithon farinosum</i> , <i>Hydrolithon iyengarii</i> , <i>Hydrolithon krusadiense</i> , <i>Hydrolithon onkodes</i> , <i>Hydrolithon reinboldii</i> , <i>Hydrolithon samoense</i> , <i>Hydrolithon verrucosum</i> , <i>Jania</i>	<i>Lithothamnion esperi</i> , <i>Lithothamnion proliferum</i> , <i>Mesophyllum erubescens</i> , <i>Phymatolithon notatum</i>	<i>Sporolithon erythraeum</i> , <i>Sporolithon indicum</i>	Silva, Basson and Moe, 1996; Sahoo et al., 2001

acutiloba, *Jania adhaerens*, *Jania capillacea*, *Jania fastigiata*, *Jania iyengarii*, *Jania rubens*, *Jania spectabilis*, *Jania ungulata f. brevior*, *Lithophyllum kotschyanum*, *Lithophyllum kotschyanum f. subplicatum*, *Lithophyllum okamurae*, *Lithophyllum orbiculatum*, *Neogoniolithon affine*, *Neogoniolithon brassica-florida*, *Neogoniolithon caribaeum*, *Neogoniolithon crassifructum*, *Neogoniolithon desikacharyi*, *Neogoniolithon ganesanii*, *Neogoniolithon krusadii*, *Neogoniolithon misakiense*, *Neogoniolithon palkense*, *Neogoniolithon pudumamdamente*, *Neogoniolithon tiruchendureense*, *Pneophyllum amplexifrons*, *Pneophyllum confervicola*, *Pneophyllum extensum*, *Pneophyllum fragile*, *Pseudolithophyllum fosliei*, *Pseudolithophyllum lemoinei*, *Pseudolithophyllum mannareense*,

			<i>Pseudolithophyllum pambamense,</i> <i>Pseudolithophyllum setchellii,</i> <i>Pseudolithophyllum tuticorinense,</i> <i>Spongites decipiens, Spongites fruticulosa, Titanoderma pustulatum</i>			
154	Sri Lanka	South-west Asia	<i>Amphiroa anastomosans, Amphiroa anceps, Amphiroa bowerbankii, Amphiroa foliacea, Amphiroa foliacea f. procumbens, Amphiroa fragilissima, Corallina berteroi, Hydrolithon onkodes, Hydrolithon reinboldii, Hydrolithon samoense, Jania acutiloba, Jania adhaerens, Jania affinis, Jania cultrata, Jania intermedia, Jania micrathrodia, Jania spectabilis, Jania ungulata, Jania verrucosa, Lithophyllum acrocampum, Lithophyllum bamleri, Lithophyllum kotschyanum, Lithophyllum okamurae, Lithophyllum punctatum, Lithoporella melobesioides, Neogoniolithon caribaeum, Neogoniolithon ceylonense, Pneophyllum coronatum, Spongites</i>	<i>Melobesia membranacea, Mesophyllum erubescens</i>	<i>Sporolithon erythraeum</i>	Silva, Basson and Moe, 1996; Coppejans et al., 2009

			<i>fruticulosa, Titanoderma pustulatum</i>			
155	Bangladesh	South-west Asia	<i>Amphiroa fragilissima, Jania adhaerens, Jania unguolata, Pneophyllum confervicola</i>			Silva, Basson and Moe, 1996
156	Comores and Mayotte	Indian Ocean Islands	<i>Amphiroa anceps, Amphiroa foliacea, Amphiroa foliacea f. erecta, Amphiroa fragilissima, Fosliella fertilis, Hydrolithon farinosum, Hydrolithon improcerum var. tenue, Hydrolithon onkodes, Hydrolithon reinboldii, Jania rubens, Lithophyllum bamleri, Lithophyllum kotschyanum, Lithophyllum kotschyanum f. subplicatum, Lithophyllum prototypum, Lithophyllum pygmaeum, Lithoporella melobesioides, Neogoniolithon brassica-florida, Neogoniolithon caribaeum, Neogoniolithon megalocystum, Neogoniolithon propinquum, Pneophyllum mauritianum, Spongites yendoi</i>	<i>Lithothamnion australe, Mesophyllum funafutiense, Mesophyllum mesomorphum</i>	<i>Sporolithon erythraeum, Sporolithon lemoinei, Sporolithon ptychoides</i>	Silva, Basson and Moe, 1996;
157	Aldabra Islands	Indian Ocean	<i>Hydrolithon gardineri, Jania adhaerens, Jania capillacea, Jania</i>			Silva, Basson and Moe, 1996

		Islands	<i>ungulata f. brevior</i>			
158	Réunion	Indian Ocean Islands	<i>Amphiroa beauvoisii</i> var. <i>crassiuscula</i> , <i>Amphiroa fragilissima</i> , <i>Amphiroa rigida</i> , <i>Amphiroa ungulata</i> , <i>Hydrolithon farinosum</i> , <i>Hydrolithon onkodes</i> , <i>Hydrolithon reinboldii</i> , <i>Hydrolithon samoense</i> , <i>Jania acutiloba</i> , <i>Jania adhaerens</i> , <i>Jania capillacea</i> , <i>Jania rubens</i> , <i>Jania rubens</i> var. <i>concatenata</i> , <i>Jania tenella</i> , <i>Lithophyllum incrustans</i> , <i>Lithophyllum kotschyanum</i> , <i>Lithophyllum kotschyanum</i> f. <i>subplicatum</i> , <i>Lithoporella indica</i> , <i>Lithoporella melobesioides</i> , <i>Neogoniolithon brassica-florida</i> , <i>Neogoniolithon caribaeum</i> , <i>Neogoniolithon scabridum</i> , <i>Spongites yendoi</i>	<i>Melobesia membranacea</i>		Silva, Basson and Moe, 1996;
159	Mauritius	Indian Ocean Islands	<i>Amphiroa anastomosans</i> , <i>Amphiroa anceps</i> , <i>Amphiroa beauvoisii</i> , <i>Amphiroa crassa</i> f. <i>minuta</i> , <i>Amphiroa cryptarthrodia</i> , <i>Amphiroa fragilissima</i> , <i>Amphiroa rigida</i> , <i>Amphiroa tribulus</i> , <i>Arthrocardia</i>	<i>Choreonema thuretii</i> , <i>Lithothamnion crispatum</i> , <i>Lithothamnion indicum</i> f. <i>subtile</i> , <i>Melobesia farinosa</i> f. <i>mauritiana</i> , <i>Mesophyllum crispescens</i> , <i>Mesophyllum</i>	<i>Sporolithon erythraeum</i> , <i>Sporolithon ptychoides</i> , <i>Sporolithon schmidtii</i>	Borgensen, 1943; Silva, Basson and Moe, 1996; John et al., 2004

flabellata, *Hydrolithon farinosum*,
Hydrolithon improcerum var. *tenu*,
Hydrolithon onkodes, *Hydrolithon*
reinboldii, *Jania acutiloba*, *Jania*
adhaerens, *Jania capillacea*, *Jania*
cultrata, *Jania micrathrodia*, *Jania*
paniculata, *Jania pumila*, *Jania*
rosea, *Jania rubens*, *Jania sagittata*,
Jania subulata, *Jania tenella*, *Jania*
ungulata f. *brevior*, *Jania verrucosa*,
Lithophyllum acrocamptum,
Lithophyllum incrustans,
Lithophyllum kotschyanum,
Lithophyllum kotschyanum f.
subplicatum, *Lithophyllum*
pallescens, *Lithophyllum*
prototypum, *Lithophyllum*
pygmaeum, *Neogoniolithon brassica-*
florida, *Neogoniolithon caribaeum*,
Neogoniolithon spectabile, *Spongites*
yendoi, *Titanoderma pustulatum*

erubescens, *Mesophyllum*
funafutiense, *Phymatolithon*
lenormandii, *Phymatolithon*
repandum

160	Seychelles	Indian Ocean Islands	<i>Amphiroa anastomosans</i> , <i>Amphiroa</i> <i>foliacea</i> , <i>Amphiroa fragilissima</i> , <i>Hydrolithon breviclavium</i> , <i>Hydrolithon craspedium</i> ,	<i>Lithothamnion indicum</i> f. <i>subtile</i> , <i>Mesophyllum</i> <i>funafutiense</i> , <i>Mesophyllum</i> <i>mesomorphum</i> , <i>Phymatolithon</i>	<i>Sporolithon</i> <i>ptychoides</i> , <i>Sporolithon</i> <i>timorense</i>	Silva, Basson and Moe, 1996
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Hydrolithon farinosum, *Hydrolithon repandum*
gardineri, *Hydrolithon onkodes*,
Hydrolithon reinboldii, *Jania*
acutiloba, *Jania adhaerens*, *Jania*
capillacea, *Jania longiarthra*, *Jania*
pumila, *Jania spectabilis*, *Jania*
subulata, *Jania tenella*, *Jania*
ungulata, *Jania ungulata f. brevior*,
Lithophyllum kotschyanum,
Lithophyllum kotschyanum f.
subplicatum, *Lithophyllum*
prototypum, *Lithophyllum*
pygmaeum, *Metagoniolithon*
stelliferum, *Neogoniolithon brassica-*
florida, *Pneophyllum confervicola*,
Spongites sporolithon, *Spongites*
yendoi

161	Amirante Islands	Indian Ocean Islands		<i>Lithothamnion indicum f.</i> <i>subtile</i> , <i>Mesophyllum</i> <i>funafutiense</i>		Silva, Basson and Moe, 1996
162	Saya de Malha Bank	Indian Ocean Islands	<i>Pseudolithophyllum ptychoides</i>	<i>Lithothamnion australe</i> , <i>Lithothamnion gibbosum f.</i> <i>crassum</i> , <i>Lithothamnion</i> <i>gibbosum</i>	<i>Sporolithon</i> <i>erythraeum</i>	Silva, Basson and Moe, 1996
163	Cargados	Indian		<i>Lithothamnion australe</i> ,		Silva, Basson and Moe,

	Carajos	Ocean		<i>Lithothamnion indicum f.</i>		1996
		Islands		<i>subtile</i>		
164	Rodrigues Island	Indian Ocean	<i>Amphiroa fragilissima, Lithophyllum kotschyanum, Neogoniolithon</i>			Silva, Basson and Moe, 1996
		Islands	<i>mamillare</i>			
165	India, Laccadive Islands	Indian Ocean Islands	<i>Amphiroa anastomosans, Amphiroa foliacea, Amphiroa fragilissima, Amphiroa rigida, Hydrolithon onkodes, Hydrolithon reinboldii, Jania adhaerens, Jania capillacea, Jania spectabilis, Lithophyllum kotschyanum, Lithophyllum kotschyanum f. subplicatum, Neogoniolithon brassica-florida, Pneophyllum fragile, Spongites fruticulosa, Titanoderma rasile</i>			Silva, Basson and Moe, 1996
166	Maldives	Indian Ocean Islands	<i>Amphiroa anastomosans, Amphiroa fragilissima, Hydrolithon craspedium, Hydrolithon farinosum, Hydrolithon gardineri, Hydrolithon onkodes, Jania capillacea, Jania longiarthra, Jania unguolata, Lithophyllum kotschyanum, Lithophyllum kotschyanum f. subplicatum, Lithoporella</i>	<i>Lithothamnion maldivicum, Lithothamnion indicum f. subtile</i>	<i>Sporolithon erythraeum, Sporolithon schmidtii</i>	Silva, Basson and Moe, 1996;

			<i>melobesioides, Neogoniolithon</i>		
			<i>brassica-florida, Neogoniolithon</i>		
			<i>oblimans, Pneophyllum fragile,</i>		
			<i>Spongites fruticulosa</i>		
167	Chagos Archipelago	Indian Ocean Islands	<i>Amphiroa fragilissima, Hydrolithon</i> <i>craspedium, Hydrolithon gardineri,</i> <i>Hydrolithon onkodes, Jania tenella,</i> <i>Neogoniolithon brassica-florida,</i> <i>Pneophyllum confervicola</i>		Silva, Basson and Moe, 1996
168	Diego Garcia Atoll	Indian Ocean Islands	<i>Amphiroa anastomosans, Amphiroa</i> <i>fragilissima, Hydrolithon farinosum,</i> <i>Hydrolithon onkodes, Jania</i> <i>adhaerens, Jania capillacea, Jania</i> <i>tenella, Lithophyllum kotschyanum,</i> <i>Lithophyllum kotschyanum f.</i> <i>subplicatum, Neogoniolithon</i> <i>oblimans</i>	<i>Mesophyllum simulans</i>	Silva, Basson and Moe, 1996
169	Amsterdam Island	Indian Ocean Islands	<i>Corallina muscoides, Jania rubens</i>	<i>Lithothamnion islei</i>	Silva, Basson and Moe, 1996
170	Cocos (Keeling) Islands	Indian Ocean Islands	<i>Hydrolithon gardineri, Lithophyllum</i> <i>kotschyanum, Lithophyllum</i> <i>kotschyanum f. subplicatum,</i> <i>Lithophyllum okamurae,</i> <i>Neogoniolithon brassica-florida</i>	<i>Mesophyllum erubescens</i>	Silva, Basson and Moe, 1996

171	Andaman Islands, India	Indian Ocean Islands	<i>Amphiroa anceps</i> , <i>Amphiroa fragilissima</i> , <i>Amphiroa rigida</i> , <i>Jania adhaerens</i> , <i>Jania fastigiata</i> , <i>Jania rubens</i>				Silva, Basson and Moe, 1996
172	Nicobar Islands	Indian Ocean Islands	<i>Amphiroa anceps</i> , <i>Amphiroa fragilissima</i> , <i>Amphiroa rigida</i> , <i>Jania acutiloba</i>				Silva, Basson and Moe, 1996
173	Indian Ocean	Indian Ocean Islands		<i>Lithothamnion album</i>			Silva, Basson and Moe, 1996
174	Myanmar	South-east Asia	<i>Amphiroa tribulus</i> , <i>Jania tenella</i>	<i>Phymatolithon purpureum</i>			Silva, Basson and Moe, 1996
175	Thailand	South-east Asia	<i>Amphiroa fragilissima</i> , <i>Amphiroa rigida</i> , <i>Hydrolithon farinosum</i> , <i>Jania adhaerens</i> , <i>Jania unguolata</i>	<i>Mesophyllum simulans</i>	<i>Sporolithon ptychoides</i> , <i>Sporolithon schmidtii</i>		Verheij, 1993; Coppejans et al., 2011; Kaewsuralikhit et al., 2012; Tsutsui et al., 2012
176	Malaysia	South-east Asia	<i>Amphiroa foliacea</i> , <i>Jania rubens</i>	<i>Mesophyllum erubescens</i> , <i>Mesophyllum simulans</i>			Silva, Basson and Moe, 1996
177	Vietnam	South-east Asia	<i>Amphiroa anceps</i> , <i>Amphiroa beauvoisii</i> , <i>Amphiroa echigoensis</i> , <i>Amphiroa foliacea</i> , <i>Amphiroa fragilissima</i> , <i>Amphiroa valonioides</i> , <i>Corallina officinalis</i> , <i>Corallina pilulifera</i> , <i>Hydrolithon farinosum</i> , <i>Hydrolithon reinboldii</i> , <i>Hydrolithon</i>	<i>Mesophyllum erubescens</i> , <i>Mesophyllum simulans</i>			Pham-Hoang, 1969; Tsutsui et al., 2005; Nyugen et al., 2013

			<i>samoense, Jania acutiloba, Jania adhaerens, Jania capillacea, Jania longiarthra, Jania micrathrodia, Jania pumila, Jania rubens, Jania spectabilis, Jania unguata f. brevior, Lithophyllum okamurae, Mastophora pacifica, Mastophora rosea, Metagoniolithon stelliferum, Neogoniolithon oblimans, Neogoniolithon trichotomum, Pneophyllum confervicola, Titanoderma pustulatum</i>			
178	Singapore	South-east Asia	<i>Amphiroa anceps, Amphiroa foliacea, Amphiroa foliacea f. erecta, Amphiroa fragilissima, Amphiroa rigida, Amphiroa tribulus, Hydrolithon farinosum, Jania adhaerens, Jania capillacea, Jania verrucosa</i>	<i>Melobesia membranacea, Mesophyllum erubescens</i>	Silva, Basson and Moe, 1996; Pham et al., 2011	
179	Philippines	South-east Asia	<i>Amphiroa anastomosans, Amphiroa anceps, Amphiroa annulata, Amphiroa beauvoisii, Amphiroa cumingii, Amphiroa ephedraea, Amphiroa foliacea, Amphiroa foliacea f. erecta, Amphiroa</i>	<i>Lithothamnion australe f. brachiatum, Lithothamnion australe f. minutulum, Lithothamnion australe f. subtile, Lithothamnion australe f. ubianum, Mesophyllum</i>	<i>Sporolithon erythraeum, Sporolithon schmidtii, Sporolithon sibogae,</i>	Silva, Menez and Moe, 1987; Silva, Basson and Moe, 1996

		<i>fragilissima</i> , <i>Amphiroa hancockii</i> ,	<i>erubescens</i> , <i>Mesophyllum</i>	<i>Sporolithon</i>		
		<i>Amphiroa pacifica</i> , <i>Amphiroa rigida</i> ,	<i>imbricatum</i> , <i>Mesophyllum</i>	<i>timorense</i>		
		<i>Amphiroa subcylindrica</i> , <i>Amphiroa</i>	<i>pulchrum</i> , <i>Mesophyllum</i>			
		<i>tribulus</i> , <i>Amphiroa valonioides</i> ,	<i>siamense</i> , <i>Mesophyllum</i>			
		<i>Hydrolithon farinosum</i> , <i>Hydrolithon</i>	<i>simulans</i> , <i>Phymatolithon</i>			
		<i>onkodes</i> , <i>Hydrolithon reinboldii</i> ,	<i>calcareum</i>			
		<i>Jania acutiloba</i> , <i>Jania adhaerens</i> ,				
		<i>Jania capillacea</i> , <i>Jania cubensis</i> ,				
		<i>Jania cultrata</i> , <i>Jania longiarthra</i> ,				
		<i>Jania micrathrodia</i> , <i>Jania pacifica</i> ,				
		<i>Jania pumila</i> , <i>Jania rubens</i> , <i>Jania</i>				
		<i>sagittata</i> , <i>Jania spectabilis</i> , <i>Jania</i>				
		<i>tenella</i> , <i>Jania tenella</i> var. <i>zaca</i> ,				
		<i>Jania ungulata</i> , <i>Jania ungulata</i> f.				
		<i>brevior</i> , <i>Lithophyllum byssoides</i> ,				
		<i>Lithophyllum pallescens</i> ,				
		<i>Lithophyllum pygmaeum</i> ,				
		<i>Lithoporella indica</i> , <i>Lithoporella</i>				
		<i>melobesioides</i> , <i>Mastophora rosea</i> ,				
		<i>Neogoniolithon brassica-florida</i> ,				
		<i>Neogoniolithon megalocystum</i>				
180	Indonesia	South-	<i>Amphiroa anastomosans</i> , <i>Amphiroa</i>	<i>Choreonema thuretii</i> ,	<i>Sporolithon</i>	Silva, Basson and Moe,
		east Asia	<i>anceps</i> , <i>Amphiroa beauvoisii</i> ,	<i>Lithothamnion australe</i> ,	<i>episoredion</i> ,	1996; Atmadja and
			<i>Amphiroa bowerbankii</i> , <i>Amphiroa</i>	<i>Lithothamnion bandanum</i> ,	<i>Sporolithon</i>	Prud'Homme van Reine,
			<i>canaliculata</i> , <i>Amphiroa crassa</i> ,	<i>Lithothamnion australe</i> f.	<i>episporum</i> ,	2012

<i>Amphiroa crassa f. minuta,</i>	<i>brachiatum, Lithothamnion</i>	<i>Sporolithon</i>
<i>Amphiroa ephedraea, Amphiroa</i>	<i>crispatum, Lithothamnion</i>	<i>erythraeum,</i>
<i>foliacea, Amphiroa foliacea f. erecta,</i>	<i>esperii, Lithothamnion</i>	<i>Sporolithon</i>
<i>Amphiroa foliacea f. procumbens,</i>	<i>fragiissimum, Lithothamnion</i>	<i>lemoinei,</i>
<i>Amphiroa fragilissima, Amphiroa</i>	<i>occidentale, Lithothamnion</i>	<i>Sporolithon molle,</i>
<i>fragilissima f. cuspidata, Amphiroa</i>	<i>proliferum, Mesophyllum</i>	<i>Sporolithon</i>
<i>fragilissima f. cyathifera, Amphiroa</i>	<i>crispescens, Mesophyllum</i>	<i>ptychoides,</i>
<i>rigida, Amphiroa tribulus,</i>	<i>erubescens, Mesophyllum</i>	<i>Sporolithon</i>
<i>Heteroderma subtilissimum,</i>	<i>floridanum, Mesophyllum</i>	<i>schmidtii,</i>
<i>Hydrolithon boreale, Hydrolithon</i>	<i>funafutiense, Mesophyllum</i>	<i>Sporolithon</i>
<i>farinosum, Hydrolithon gardineri,</i>	<i>imbricatum, Mesophyllum</i>	<i>sibogae,</i>
<i>Hydrolithon onkodes, Hydrolithon</i>	<i>pulchrum, Mesophyllum</i>	<i>Sporolithon</i>
<i>reinboldii, Jania acutiloba, Jania</i>	<i>siamense, Mesophyllum</i>	<i>timorense</i>
<i>adhaerens, Jania cultrata, Jania</i>	<i>simulans, Mesophyllum</i>	
<i>pumila, Jania rubens, Jania</i>	<i>syrphetodes, Phymatolithon</i>	
<i>sagittata, Jania spectabilis, Jania</i>	<i>repandum</i>	
<i>tenella, Jania verrucosa,</i>		
<i>Lithophyllum bamleri, Lithophyllum</i>		
<i>kotschyanum, Lithophyllum</i>		
<i>okamurae, Lithophyllum papillosum,</i>		
<i>Lithophyllum pygmaeum,</i>		
<i>Lithoporella melobesioides,</i>		
<i>Mastophora pacifica, Mastophora</i>		
<i>rosea, Neogoniolithon brassica-</i>		
<i>florida, Neogoniolithon fosliei,</i>		

			<i>Neogoniolithon megalocystum,</i>		
			<i>Neogoniolithon oblimans,</i>		
			<i>Neogoniolithon strictum,</i>		
			<i>Pneophyllum coronatum, Spongites</i>		
			<i>fruticulosa, Spongites sulawesiensis,</i>		
			<i>Spongites yendoi, Titanoderma</i>		
			<i>pustulatum, Titanoderma rasile</i>		
181	Indonesia, New Guinea	South- east Asia	<i>Hydrolithon onkodes</i>		Penrose and Woelkerling, 1992
182	Taiwan	Asia	<i>Amphiroa anceps, Amphiroa</i>	<i>Melobesia membranacea,</i>	Lewis and Norris, 1987;
			<i>beauvoisii, Amphiroa bowerbankii,</i>	<i>Mesophyllum mesomorphum,</i>	Keats et al., 2009; Anon,
			<i>Amphiroa ephedraea, Amphiroa</i>	<i>Mesophyllum simulans</i>	2012
			<i>foliacea, Amphiroa fragilissima,</i>		
			<i>Amphiroa misakiensis, Amphiroa</i>		
			<i>pusilla, Amphiroa subcylindrica,</i>		
			<i>Amphiroa valonioides, Anthrocardia</i>		
			<i>anceps, Corallina confusa, Corallina</i>		
			<i>maxima, Corallina pilulifera,</i>		
			<i>Hydrolithon farinosum, Jania</i>		
			<i>acutiloba, Jania adhaerens, Jania</i>		
			<i>arborescens, Jania cultrata, Jania</i>		
			<i>longiarthra, Jania pacifica, Jania</i>		
			<i>radiata, Jania rubens, Jania</i>		
			<i>squamata, Jania tenella, Jania</i>		
			<i>ungulata, Lithophyllum perulatum,</i>		

			<i>Lithophyllum tumidulum,</i> <i>Marginisporum aberrans,</i> <i>Mastophora pacifica, Mastophora</i> <i>pygmaea, Mastophora rosea,</i> <i>Titanoderma pustulatum</i>			
183	China	Asia	<i>Amphiroa anastomosans, Amphiroa</i> <i>anceps, Amphiroa beauvoisii,</i> <i>Amphiroa ephedraea, Amphiroa</i> <i>foliacea, Amphiroa fragilissima,</i> <i>Amphiroa fragilissima f. cyathifera,</i> <i>Amphiroa pusilla, Amphiroa rigida,</i> <i>Amphiroa valonioides, Corallina</i> <i>crassisima, Corallina maxima,</i> <i>Corallina officinalis, Corallina</i> <i>pilulifera, Hydrolithon boergesenii,</i> <i>Hydrolithon farinosum, Hydrolithon</i> <i>onkodes, Hydrolithon reinboldii,</i> <i>Hydrolithon samoense, Jania</i> <i>acutiloba, Jania adhaerens, Jania</i> <i>capillacea, Jania rubens, Jania</i> <i>ungulata, Jania ungulata f. brevior,</i> <i>Jania verrucosa, Lithophyllum</i> <i>corallinae, Lithophyllum</i> <i>kotschyanum, Lithophyllum</i> <i>okamurae, Lithophyllum pygmaeum,</i>	<i>Lithothamnion intermedium,</i> <i>Lithothamnion japonicum,</i> <i>Lithothamnion phymatodeum,</i> <i>Mesophyllum crassiusculum,</i> <i>Mesophyllum crispescens,</i> <i>Mesophyllum erubescens,</i> <i>Mesophyllum mesomorphum,</i> <i>Mesophyllum simulans,</i> <i>Phymatolithon lenormandii,</i> <i>Phymatolithon repandum</i>	<i>Sporolithon</i> <i>erythraeum</i>	Tseng, 1984; Xia, 2013

Lithophyllum yessoense, *Lithoporella melobesioides*, *Marginisporum aberrans*, *Mastophora pacifica*, *Mastophora rosea*, *Neogoniolithon accretum*, *Neogoniolithon brassica-florida*, *Neogoniolithon fosliei*, *Neogoniolithon megalocystum*, *Neogoniolithon setchellii*, *Neogoniolithon trichotomum*, *Neogoniolithon variabile*, *Pachyarthron cretaceum*, *Pneophyllum conicum*, *Pneophyllum fragile*, *Pneophyllum zostericola*, *Pseudolithophyllum neofarlowii*, *Spongites yendoi*

184	Hong Kong	Asia	<i>Corallina pilulifera</i>			Wang et al., 2008
185	Japan	Asia	<i>Alatocadia molesta</i> , <i>Alatocadia yessoense</i> , <i>Amphiroa anastomosans</i> , <i>Amphiroa anceps</i> , <i>Amphiroa beauvoisii</i> , <i>Amphiroa echigoensis</i> , <i>Amphiroa ephedraea</i> , <i>Amphiroa foliacea</i> , <i>Amphiroa fragilissima</i> , <i>Amphiroa itonoi</i> , <i>Amphiroa pusilla</i> , <i>Amphiroa rigida</i> , <i>Amphiroa valonioides</i> , <i>Amphiroa yendoi</i> ,	<i>Choreonema thuretii</i> , <i>Clathromorphum circumscriptum</i> , <i>Clathromorphum compactum</i> , <i>Clathromorphum obtectulum</i> , <i>Clathromorphum reclinatum</i> , <i>Lithothamnion glaciale</i> , <i>Lithothamnion intermedium</i> , <i>Lithothamnion japonicum</i> ,	<i>Sporolithon durum</i> , <i>Sporolithon schmidtii</i>	Okamura, 1936; Adey, Masaki and Akioka, 1974; Yoshida, Nakajima and Nakata, 1990; Yoshida, 1998; Kim et al., 2004; Gabrielson et al., 2011; Brodie et al., 2013

Anthrocardia anceps, *Bossiella californica*, *Corallina aberrans*, *Corallina caespitosa*, *Corallina confusa*, *Corallina crassisima*, *Corallina declinata*, *Corallina maxima*, *Corallina melobesiodes*, *Corallina officinalis*, *Corallina pilulifera*, *Ezo epiyessoense*, *Fosliella paschalis*, *Hydrolithon boergesenii*, *Hydrolithon farinosum*, *Hydrolithon murakoshii*, *Hydrolithon onkodes*, *Hydrolithon reinboldii*, *Hydrolithon samoense*, *Hydrolithon sargassi*, *Jania acutiloba*, *Jania adhaerens*, *Jania arborescens*, *Jania capillacea*, *Jania nipponica*, *Jania pumila*, *Jania radiata*, *Jania rubens*, *Jania spectabilis*, *Jania squamata*, *Jania tenella*, *Jania ungulata*, *Jania ungulata f. brevior*, *Jania yenoshimensis*, *Lithophyllum acanthinum*, *Lithophyllum bamleri*, *Lithophyllum canescens*, *Lithophyllum caribaeum f. boreale*, *Lithophyllum corallinae*, *Lithothamnion nitidum*, *Lithothamnion phymatodeum*, *Lithothamnion sonderi*, *Lithothamnion spissum*, *Lithothamnion vescum*, *Melobesia membranacea*, *Melobesia tomataroi*, *Mesophyllum canariense*, *Mesophyllum crassiusculum*, *Mesophyllum cystocarpideum*, *Mesophyllum erubescens*, *Mesophyllum inconspicuum*, *Mesophyllum nitidum*, *Mesophyllum siamense*, *Mesophyllum simulans*, *Phymatolithon calcareum*, *Phymatolithon lenormandii*, *Phymatolithon notatum*, *Synarthrophyton chejeunse*

Lithophyllum dispar, *Lithophyllum fasciculatum*, *Lithophyllum grumosum*, *Lithophyllum incrustans*, *Lithophyllum insipidum*, *Lithophyllum kotschyanum*, *Lithophyllum neoatalayense*, *Lithophyllum okamurae*, *Lithophyllum prototypum*, *Lithophyllum pygmaeum*, *Lithophyllum racemus*, *Lithophyllum shioense*, *Lithophyllum tortuosum*, *Lithophyllum tumidulum*, *Lithophyllum yessoense*, *mAmphiroa misakiensis*, *Marginisporum aberrans*, *Marginisporum declinata*, *Mastophora pacifica*, *Mastophora pygmaea*, *Mastophora rosea*, *Neogoniolithon accretum*, *Neogoniolithon brassica-florida*, *Neogoniolithon fosliei*, *Neogoniolithon mamillare*, *Neogoniolithon megalocystum*, *Neogoniolithon misakiense*, *Neogoniolithon propinquum*, *Neogoniolithon tenuicrustaceum*,

			<i>Pachyarthron cretaceum,</i>		
			<i>Pneophyllum amplexifrons,</i>		
			<i>Pneophyllum confervicola,</i>		
			<i>Pneophyllum conicum, Pneophyllum</i>		
			<i>fragile, Pneophyllum zostericola,</i>		
			<i>Porolithon colliculosum, Porolithon</i>		
			<i>orbiculatum, Pseudolithophyllum</i>		
			<i>decipens, Pseudolithophyllum</i>		
			<i>neofarlowii, Spongites absimile,</i>		
			<i>Spongites fruticulosa, Spongites</i>		
			<i>yendoii, Titanoderma pustulatum</i>		
186	Korea	Asia	<i>Alatocadia molesta, Amphiroa</i>	<i>Choreonema thuretii,</i>	Lee and Kang, 2001; Lee,
			<i>anastomosans, Amphiroa anceps,</i>	<i>Lithothamnion corallioides,</i>	2008; Hind and Saunders,
			<i>Amphiroa beauvoisii, Amphiroa</i>	<i>Lithothamnion crispatum,</i>	2013
			<i>echigoensis, Amphiroa ephedraea,</i>	<i>Lithothamnion giganteum,</i>	
			<i>Amphiroa foliacea, Amphiroa</i>	<i>Lithothamnion lemoineae,</i>	
			<i>galapagensis, Amphiroa itonoi,</i>	<i>Lithothamnion muelleri,</i>	
			<i>Amphiroa misakiensis, Amphiroa</i>	<i>Lithothamnion phymatodeum,</i>	
			<i>pusilla, Amphiroa valonioides,</i>	<i>Melobesia tomataroi,</i>	
			<i>Amphiroa zonalis, Corallina</i>	<i>Mesophyllum crassiusculum,</i>	
			<i>caespitosa, Corallina confusa,</i>	<i>Mesophyllum cystocarpideum,</i>	
			<i>Corallina maxima, Corallina</i>	<i>Mesophyllum erubescens,</i>	
			<i>melobesiodes, Corallina officinalis,</i>	<i>Mesophyllum mesomorphum,</i>	
			<i>Corallina pilulifera, Hydrolithon</i>	<i>Mesophyllum simulans,</i>	
			<i>craspedium, Hydrolithon farinosum,</i>	<i>Phymatolithon repandum,</i>	

Hydrolithon gardineri, *Hydrolithon reinboldii*, *Hydrolithon samoense*,
Hydrolithon sargassi, *Jania adhaerens*, *Jania arborescens*, *Jania nipponica*, *Jania radiata*, *Jania rubens*, *Jania squamata*, *Jania ungulata*, *Jania yenoshimensis*,
Lithophyllum canescens,
Lithophyllum corallinae,
Lithophyllum dispar, *Lithophyllum okamurae*, *Lithophyllum okamurae f. japonicum*, *Lithophyllum shioense*,
Lithophyllum tumidulum,
Lithophyllum yessoense,
Marginisporum aberrans,
Mastophora pacifica, *Pachyarthron cretaceum*, *Pneophyllum fragile*,
Pneophyllum zostericola, *Porolithon colliculosum*, *Pseudolithophyllum whidbeyense*, *Spongites fruticulosa*,
Spongites yendoii

187 Russia, east Asia *Alatocadia molesta*, *Bossiella compressa*, *Bossiella plumosa*, *Corallina officinalis*, *Corallina officinalis f. flexilis*, *Corallina*

Synarthrophyton chejeunse
Clathromorphum circumscriptum,
Clathromorphum compactum,
Clathromorphum loculosum,

Perestenko, 1980;
 Perestenko, 1994;
 Kozhenkova, 2009

			<p><i>pilulifera</i>, <i>Ezo epiyessoense</i>, <i>Hydrolithon farinosum</i>, <i>Hydrolithon sargassi</i>, <i>Lithophyllum tumidulum</i>, <i>Lithophyllum yessoense</i>, <i>Masakiella bossiellae</i>, <i>Pneophyllum elegans</i>, <i>Pneophyllum fragile</i>, <i>Pneophyllum japonicum</i>, <i>Pneophyllum zostericola</i>, <i>Spongites decipiens</i></p>	<p><i>Clathromorphum nereostratum</i>, <i>Clathromorphum reclinatum</i>, <i>Lithothamnion phymatodeum</i>, <i>Lithothamnion sonderi</i>, <i>Melobesia tomataroi</i>, <i>Mesophyllum erubescens</i>, <i>Phymatolithon calcareum</i>, <i>Phymatolithon lamii</i>, <i>Phymatolithon lenormandii</i>, <i>Phymatolithon purpureum</i></p>	
188	Russia, Kamtchatka	Asia	<p><i>Corallina pilulifera</i>, <i>Pachyarthron cretaceum</i></p>	<p><i>Clathromorphum circumscriptum</i>, <i>Clathromorphum compactum</i>, <i>Clathromorphum loculosum</i>, <i>Clathromorphum reclinatum</i>, <i>Lithothamnion phymatodeum</i></p>	Selivanova and Zhigadlova, 2009
189	Russia, Commander Islands	Asia	<p><i>Corallina pilulifera</i>, <i>Pachyarthron cretaceum</i></p>	<p><i>Clathromorphum circumscriptum</i>, <i>Clathromorphum compactum</i>, <i>Clathromorphum loculosum</i>, <i>Clathromorphum nereostratum</i>, <i>Clathromorphum reclinatum</i>, <i>Lithothamnion phymatodeum</i>, <i>Phymatolithon lenormandii</i></p>	Selivanova and Zhigadlova, 1997
190	Saint Paul	Pacific	<p><i>Corallina muscoides</i>, <i>Lithophyllum</i></p>		Silva, Basson and Moe,

	Island	Islands	<i>pinguiense, Lithophyllum prototypum</i>			1996
191	Easter Island	Pacific Islands	<i>Amphiroa fragilissima, Amphiroa yendoi, Fosliella paschalis, Hydrolithon gardineri, Hydrolithon onkodes, Hydrolithon samoense, Jania tenella, Neogoniolithon oblimans, Porolithon praetextatum, Titanoderma rasile</i>	<i>Choreonema thuretii, Melobesia accola, Mesophyllum siamense</i>		Borgesen, 1924; Santelices and Abbott, 1987
192	Northwestern Hawaiian Islands, USA	Pacific Islands	<i>Amphiroa beauvoisii, Amphiroa fragilissima, Amphiroa rigida, Amphiroa valonioides, Hydrolithon farinosum, Hydrolithon reinboldii, Jania adhaerens, Jania micrathrodia, Jania pumila, Jania subulata, Jania verrucosa, Mastophora rosea, Neogoniolithon brassica-florida</i>	<i>Choreonema thuretii</i>		Tsuda, 2014
193	Hawaiian Islands, USA	Pacific Islands	<i>Amphiroa beauvoisii, Amphiroa foliacea, Amphiroa fragilissima, Amphiroa rigida, Amphiroa valonioides, Hydrolithon breviclavium, Hydrolithon farinosum, Hydrolithon gardineri, Hydrolithon onkodes, Hydrolithon reinboldii, Jania adhaerens, Jania</i>	<i>Choreonema thuretii, Mesophyllum erubescens, Mesophyllum mesomorphum, Mesophyllum syrphetodes</i>	<i>Sporolithon episoredion, Sporolithon erythraeum</i>	Magruder and Hunt, 1979; Adey, Townsend and Boyksin, 1982; Abbott, 1999; Huisman, Abbott and Smith, 2007; Vroom and Timmers, 2009

			<i>micrathrodia, Jania pumila, Jania subulata, Jania verrucosa, Lithophyllum insipidum, Lithophyllum kotschyanum, Lithophyllum prototypum, Mastophora pacifica, Neogoniolithon brassica-florida, Pneophyllum conicum</i>			
194	Wake Atoll	Pacific Islands	<i>Hydrolithon farinosum, Jania adhaerens, Jania pumila</i>			Ysuda et al., 2010
195	Ryukyu Islands	Pacific Islands	<i>Jania spectabilis</i>			Srimanobhas et al., 1990
196	Mariana Islands	Pacific Islands	<i>Amphiroa foliacea, Amphiroa fragilissima, Amphiroa tribulus, Corallina maxima, Hydrolithon craspedium, Hydrolithon farinosum, Hydrolithon gardineri, Hydrolithon reinboldii, Jania adhaerens, Jania capillacea, Jania cultrata, Jania radiata, Jania tenella, Lithophyllum insipidum, Lithophyllum kotschyanum, Lithophyllum pygmaeum, Lithoporella melobesioides, Mastophora pacifica, Mastophora rosea, Metagoniolithon</i>	<i>Lithothamnion philippii, Mesophyllum erubescens, Mesophyllum funafutiense, Mesophyllum mesomorphum, Mesophyllum simulans, Phymatolithon repandum</i>	<i>Sporolithon schmidtii</i>	Tsuda, 2003

			<i>chara, Metagoniolithon radiatum, Metamastophora flabellata, Neogoniolithon brassica-florida, Neogoniolithon megalocystum, Pneophyllum conicum</i>			
197	Guam	Pacific Islands	<i>Jania adhaerens, Lithophyllum kotschyannum, Mastophora rosea</i>		<i>Sporolithon schmidtii</i>	Gordon, Masaki and Akioka, 1987; Skelton and South, 2007; Keats et al., 2009
198	Republic of Palau	Pacific Islands	<i>Amphiroa foliacea, Amphiroa fragilissima, Hydrolithon craspedium, Hydrolithon onkodes, Hydrolithon reinboldii, Lithophyllum okamurae, Lithophyllum pygmaeum, Mastophora rosea</i>			Ohba et al., 2007
199	Federated States of Micronesia	Pacific Islands	<i>Amphiroa anastomosans, Amphiroa beauvoisii, Amphiroa foliacea, Amphiroa fragilissima, Amphiroa misakiensis, Amphiroa taylorii, Amphiroa valonioides, Corallina maxima, Heteroderma subtilissimum, Hydrolithon craspedium, Hydrolithon farinosum, Hydrolithon gardineri, Hydrolithon megacystum, Hydrolithon onkodes,</i>	<i>Choreonema thuretii, Lithothamnion philippii, Mesophyllum erubescens, Mesophyllum funafutiense, Mesophyllum mesomorphum, Mesophyllum simulans, Phymatolithon repandum</i>	<i>Sporolithon erythraeum, Sporolithon schmidtii</i>	Lobban and Tsuda, 2003

Hydrolithon reinboldii, *Jania adhaerens*, *Jania capillacea*, *Jania cultrata*, *Jania micrathrodia*, *Jania pumila*, *Jania radiata*, *Jania rubens*, *Jania spectabilis*, *Jania tenella*, *Jania ungulata*, *Lithophyllum insipidum*, *Lithophyllum kotschyanum*, *Lithoporella melobesioides*, *Mastophora pacifica*, *Mastophora rosea*, *Metamastophora flabellata*, *Neogoniolithon brassica-florida*, *Neogoniolithon fosliei*, *Neogoniolithon megalocystum*, *Pneophyllum conicum*, *Porolithon aequinoctiale*

200 Marshall Islands

Pacific Islands

Hydrolithon boreale, *Hydrolithon craspedium*, *Hydrolithon gardineri*, *Hydrolithon onkodes*, *Jania capillacea*, *Jania micrathrodia*, *Jania rubens*, *Neogoniolithon brassica-florida*, *Porolithon aequinoctiale*, *Porolithon marshallense*

Choreonema thuretii

Taylor, 1950

201 Tuvalu

Pacific Islands

Hydrolithon onkodes

Womersley, 1996

202	Samoa Archipelago	Pacific Islands	<i>Amphiroa anceps</i> , <i>Amphiroa crassa</i> , <i>Amphiroa foliacea</i> , <i>Amphiroa</i> <i>fragilissima</i> , <i>Amphiroa tribulus</i> , <i>Hydrolithon craspedium</i> , <i>Hydrolithon farinosum</i> , <i>Hydrolithon</i> <i>onkodes</i> , <i>Hydrolithon reinboldii</i> , <i>Hydrolithon samoense</i> , <i>Jania</i> <i>acutiloba</i> , <i>Jania adhaerens</i> , <i>Jania</i> <i>pumila</i> , <i>Jania tenella</i> , <i>Lithophyllum</i> <i>byssoides</i> , <i>Lithophyllum</i> <i>kotschyanum</i> , <i>Lithophyllum</i> <i>pygmaeum</i> , <i>Lithoporella</i> <i>melobesioides</i> , <i>Neogoniolithon</i> <i>brassica-florida</i> , <i>Pneophyllum</i> <i>fragile</i>	<i>Choreonema thuretii</i> , <i>Lithothamnion proliferum</i> , <i>Mesophyllum simulans</i>	<i>Sporolithon</i> <i>erythraeum</i> , <i>Sporolithon sibogae</i>	Skelton and South, 1999; Skelton and South, 2007
203	American Samoa	Pacific Islands	<i>Jania rubens</i> , <i>Jania spectabilis</i> , <i>Neogoniolithon brassica-florida</i> , <i>Neogoniolithon clavacymosum</i>	<i>Mesophyllum funafutiense</i>		Littler and Littler, 2003; Tsuda et al., 2011
204	Central Polynesia	Pacific Islands	<i>Amphiroa anceps</i> , <i>Amphiroa crassa</i> , <i>Amphiroa foliacea</i> , <i>Amphiroa</i> <i>fragilissima</i> , <i>Amphiroa gracilis</i> , <i>Amphiroa rigida</i> , <i>Amphiroa tribulus</i> , <i>Amphiroa valonioides</i> , <i>Heteroderma</i> <i>subtilissimum</i> , <i>Hydrolithon</i> <i>craspedium</i> , <i>Hydrolithon farinosum</i> ,	<i>Choreonema thuretii</i> , <i>Lithothamnion proliferum</i> , <i>Mesophyllum erubescens</i> , <i>Mesophyllum mesomorphum</i> , <i>Mesophyllum simulans</i>	<i>Sporolithon</i> <i>erythraeum</i> , <i>Sporolithon sibogae</i>	Tsuda and Walsch, 2013

Hydrolithon gardineri, *Hydrolithon murakoshii*, *Hydrolithon onkodes*,
Hydrolithon reinboldii, *Hydrolithon rupestre*, *Hydrolithon samoense*,
Jania acutiloba, *Jania adhaerens*,
Jania articulata, *Jania capillacea*,
Jania micrathrodia, *Jania pacifica*,
Jania pumila, *Jania rosea*, *Jania rubens*, *Jania spectabilis*, *Jania subulata*, *Jania tenella*, *Jania verrucosa*, *Jania virgata*,
Lithophyllum byssoides,
Lithophyllum flavescens,
Lithophyllum insipidum,
Lithophyllum kotschyanum,
Lithophyllum pygmaeum,
Lithoporella melobesioides,
Mastophora pacifica, *Neogoniolithon brassica-florida*, *Pneophyllum conicum*, *Pneophyllum fragile*,
Titanoderma pustulatum

205	French Polynesia	Pacific Islands	<i>Amphiroa anceps</i> , <i>Amphiroa foliacea</i> , <i>Amphiroa fragilissima</i> , <i>Amphiroa tribulus</i> , <i>Amphiroa valonioides</i> , <i>Hydrolithon boreale</i> ,	<i>Mesophyllum erubescens</i> , <i>Mesophyllum funafutiense</i>	<i>Sporolithon episoredion</i>	Payri, N'Yeurt and Orempuller, 2000; Keats et al., 2009; N'Yeurt and Payri, 2010
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			<p><i>Hydrolithon farinosum, Hydrolithon gardineri, Hydrolithon murakoshii, Hydrolithon onkodes, Hydrolithon reinboldii, Hydrolithon rupestre, Hydrolithon samoense, Jania acutiloba, Jania adhaerens, Jania articulata, Jania pumila, Jania rubens, Jania spectabilis, Jania subulata, Lithophyllum flavescens, Lithophyllum insipidum, Lithophyllum kotschyanum, Mastophora pacifica, Neogoniolithon brassica-florida, Neogoniolithon fosliei, Neogoniolithon megalocystum, Pneophyllum conicum, Titanoderma pustulatum</i></p>			
206	Tahiti	Pacific Islands	<p><i>Hydrolithon braganum, Lithophyllum cuneatum, Mastophora pacifica</i></p>			Keats et al., 2009
207	Fiji	Pacific Islands	<p><i>Amphiroa anceps, Amphiroa annulata, Amphiroa beauvoisii, Amphiroa crassa, Amphiroa ephedraea, Amphiroa foliacea, Amphiroa fragilissima, Amphiroa rigida, Amphiroa tribulus,</i></p>	<p><i>Lithothamnion australe, Lithothamnion proliferum, Mesophyllum cystocarpideum, Mesophyllum erubescens, Mesophyllum funafutiense</i></p>	<p><i>Sporolithon episporum</i></p>	N'Yeurt, South and Keats, 1996; Littler and Littler, 2003; South and Skelton, 2003; Keats et al., 2009

Hydrolithon boreale, *Hydrolithon*
breviclavium, *Hydrolithon*
craspedium, *Hydrolithon farinosum*,
Hydrolithon gardineri, *Hydrolithon*
murakoshii, *Hydrolithon onkodes*,
Hydrolithon reinboldii, *Hydrolithon*
samoense, *Jania acutiloba*, *Jania*
adhaerens, *Jania capillacea*, *Jania*
pumila, *Jania rubens*, *Jania*
spectabilis, *Jania tenella*, *Jania*
ungulata, *Lithophyllum bamleri*,
Lithophyllum cuneatum,
Lithophyllum flavescens,
Lithophyllum insipidum,
Lithophyllum kotschyanum,
Lithophyllum okamurae,
Lithophyllum prototypum,
Lithophyllum pygmaeum,
Mastophora multistrata, *Mastophora*
pacifica, *Neogoniolithon brassica-*
florida, *Neogoniolithon fosliei*,
Neogoniolithon rugulosum,
Pneophyllum conicum, *Titanoderma*
pustulatum

	Islands	Islands	<i>anceps</i> , <i>Amphiroa foliacea</i> , <i>Amphiroa fragilissima</i> , <i>Hydrolithon farinosum</i> , <i>Hydrolithon onkodes</i> , <i>Jania acutiloba</i> , <i>Jania capillacea</i> , <i>Jania rubens</i> , <i>Jania spectabilis</i> , <i>Lithophyllum okamurae</i> , <i>Lithophyllum pygmaeum</i> , <i>Lithoporella melobesioides</i> , <i>Neogoniolithon fosliei</i> , <i>Neogoniolithon oblimans</i>	<i>erythraeum</i>	1970
209	Papua New Guinea	Australia and NZ	<i>Amphiroa anceps</i> , <i>Amphiroa foliacea</i> , <i>Amphiroa fragilissima</i> , <i>Corallina berteroi</i> , <i>Hydrolithon onkodes</i> , <i>Hydrolithon reinboldii</i> , <i>Jania acutiloba</i> , <i>Jania adhaerens</i> , <i>Jania micrathrodia</i> , <i>Jania spectabilis</i> , <i>Jania unguolata f. brevior</i> , <i>Lithophyllum pygmaeum</i> , <i>Mastophora pacifica</i> , <i>Mastophora rosea</i>	<i>Sporolithon episporum</i>	Woelkerling, 1998; Coppejans and Millar, 2000; Littler and Littler, 2003
210	Christmas Island, Australia	Australia and NZ	<i>Jania micrathrodia</i>		Silva, Basson and Moe, 1996
211	Australia, western	Australia and NZ	<i>Amphiroa anceps</i> , <i>Amphiroa crassa</i> , <i>Amphiroa exilis</i> , <i>Amphiroa foliacea</i> ,	<i>Choreonema thuretii</i> , <i>Lithothamnion muelleri</i> ,	<i>Sporolithon durum</i> Huisman and Walker, 1990; Penrose, 1996;

Amphiroa fragilissima, *Amphiroa gracilis*, *Amphiroa klochkovana*, *Amphiroa tribulus*, *Corallina officinalis*, *Hydrolithon cymodoceae*, *Hydrolithon farinosum*, *Hydrolithon gardineri*, *Hydrolithon munitum*, *Hydrolithon onkodes*, *Hydrolithon reinboldii*, *Hydrolithon rupestre*, *Jania adhaerens*, *Jania affinis*, *Jania micrathrodia*, *Jania pusilla*, *Jania rosea*, *Jania sagittata*, *Jania verrucosa*, *Lesueuria minderiana*, *Lithophyllum chamberlainianum*, *Lithophyllum corallinae*, *Lithophyllum insipidum*, *Lithophyllum irvineanum*, *Lithophyllum kotschyanum*, *Lithophyllum prototypum*, *Lithophyllum pygmaeum*, *Lithophyllum stictaeforme*, *Mastophora pacifica*, *Metagoniolithon chara*, *Metagoniolithon radiatum*, *Metagoniolithon stelliferum*, *Metamastophora flabellata*, *Lithothamnion proliferum*, *Melobesia membranacea*, *Mesophyllum engelhartii*, *Mesophyllum incisum*, *Phymatolithon repandum*, *Synarthrophyton patena*

Womersley, 1996;
Womersley and Johansen,
1996; Huisman, 2000;
Huisman et al., 2009;
Harvey et al., 2013

			<i>Neogoniolithon brassica-florida</i> , <i>Pneophyllum fragile</i> , <i>Pneophyllum submersiporum</i> , <i>Rhizolamiella collum</i> , <i>Spongites fruticulosa</i> , <i>Titanoderma pustulatum</i>		
212	Australia, Houtman Abrolhos	Australia and NZ	<i>Amphiroa anceps</i> , <i>Amphiroa foliacea</i> , <i>Amphiroa gracilis</i> , <i>Hydrolithon farinosum</i> , <i>Hydrolithon onkodes</i> , <i>Jania rosea</i> , <i>Metagoniolithon radiatum</i> , <i>Metagoniolithon stelliferum</i> , <i>Metamastophora flabellata</i> , <i>Pneophyllum fragile</i>	<i>Mesophyllum engelhartii</i> , <i>Mesophyllum erubescens</i> , <i>Mesophyllum funafutiense</i>	Huisman, 1997
213	Australia, Northern Territory	Australia and NZ	<i>Amphiroa anceps</i> , <i>Amphiroa foliacea</i> , <i>Amphiroa fragilissima</i> , <i>Jania rubens</i> , <i>Pneophyllum coronatum</i>		Lewis, 1984; Harvey et al., 2013
214	Australia, Queensland	Australia and NZ	<i>Amphiroa anastomosans</i> , <i>Amphiroa anceps</i> , <i>Amphiroa beauvoisii</i> , <i>Amphiroa crassa</i> , <i>Amphiroa foliacea</i> , <i>Amphiroa fragilissima</i> , <i>Amphiroa gracilis</i> , <i>Amphiroa klochkovana</i> , <i>Amphiroa rigida</i> , <i>Amphiroa tribulus</i> , <i>Arthrocardia wardii</i> , <i>Corallina berteroi</i> , <i>Corallina officinalis</i> ,	<i>Choreonema thuretii</i> , <i>Lithothamnion glaciale</i> , <i>Lithothamnion proliferum</i> , <i>Melobesia leptura</i> , <i>Melobesia membranacea</i> , <i>Mesophyllum erubescens</i> , <i>Mesophyllum mesomorphum</i> , <i>Mesophyllum simulans</i> , <i>Phymatolithon</i>	<i>Sporolithon molle</i> Lewis, 1984; Bostock and Holland, 2010; Harvey et al., 2013; Bahia et al., 2014

Hydrolithon farinosum, *Hydrolithon repandum*
farinosum var. *chalicodictya*,
Hydrolithon gardineri, *Hydrolithon*
munitum, *Hydrolithon onkodes*,
Hydrolithon reinboldii, *Hydrolithon*
samoense, *Jania acutiloba*, *Jania*
adhaerens, *Jania fastigiata*, *Jania*
micrathrodia, *Jania rosea*, *Jania*
rubens, *Jania spectabilis*, *Jania*
ungulata, *Jania verrucosa*,
Lithophyllum chamberlainianum,
Lithophyllum corallinae,
Lithophyllum kotschyanum,
Lithophyllum pallescens,
Lithophyllum pygmaeum,
Lithophyllum stictaeforme,
Lithoporella melobesioides,
Mastophora pacifica, *Mastophora*
rosea, *Metagoniolithon chara*,
Neogoniolithon brassica-florida,
Neogoniolithon fosliei,
Neogoniolithon megalocystum,
Neogoniolithon oblimans,
Neogoniolithon orthoblastum,
Pneophyllum confervicola,

			<i>Pneophyllum coronatum,</i> <i>Pneophyllum fragile, Spongites</i> <i>fruticulosa, Titanoderma pustulatum</i>			
215	Australia, New South Wales	Australia and NZ	<i>Amphiroa anceps, Amphiroa beauvoisii, Amphiroa klochkovana, Arthrocardia wardii, Corallina berteroi, Corallina caespitosa, Corallina officinalis, Hydrolithon farinosum, Hydrolithon onkodes, Hydrolithon rupestre, Jania micrathrodia, Jania rosea, Jania sagittata, Jania verrucosa, Lithophyllum stictaeforme, Metagoniolithon chara, Pachyarthron cretaceum, Titanoderma pustulatum</i>	<i>Epulo multipedes, Lithothamnion crispatum, Synarthrophyton patena</i>	<i>Heydrichia homalopasta, Sporolithon durum</i>	Miller and Kraft, 1993; Penrose, 1996; Womersley and Johansen, 1996; Womersley, 1996; Townsend and Borowitzka, 2001; Townsend and Huisman, 2004; Woelkerling et al., 2008; Basso et al., 2011; Brodie et al., 2013; Harvey et al., 2013
216	Australia, Lord Howe Island	Australia and NZ	<i>Amphiroa fragilissima, Amphiroa howensis, Corallina officinalis, Corallina officinalis var. chilensis, Jania rosea, Jania rubens, Mastophora pacifica, Titanoderma pustulatum</i>			Lewis, 1984; Millar and Kraft, 1993; Harvey et al., 2013
217	Australia, Norfolk Island	Australia and NZ	<i>Amphiroa anceps, Corallina officinalis, Corallina officinalis var. chilensis, Jania affinis, Jania</i>	<i>Mesophyllum lichenoides, Synarthrophyton patena</i>		Lewis, 1984; Millar, 1999

			<i>micrathrodia</i> , <i>Jania rosea</i> , <i>Jania verrucosa</i> , <i>Neogoniolithon brassica-florida</i> , <i>Titanoderma pustulatum</i>			
218	Australia, Victoria	Australia and NZ	<i>Amphiroa anceps</i> , <i>Amphiroa beauvoisii</i> , <i>Arthrocardia wardii</i> , <i>Corallina officinalis</i> , <i>Hydrolithon cymodoceae</i> , <i>Hydrolithon farinosum</i> , <i>Hydrolithon rupestre</i> , <i>Jania affinis</i> , <i>Jania micrathrodia</i> , <i>Jania pusilla</i> , <i>Jania rosea</i> , <i>Jania sagittata</i> , <i>Jania verrucosa</i> , <i>Lesueuria minderiana</i> , <i>Lithophyllum chamberlainianum</i> , <i>Lithophyllum corallinae</i> , <i>Lithophyllum johansenii</i> , <i>Lithophyllum stictaeforme</i> , <i>Lithoporella melobesioides</i> , <i>Mastophora pacifica</i> , <i>Metagoniolithon chara</i> , <i>Metagoniolithon radiatum</i> , <i>Metagoniolithon stelliferum</i> , <i>Metamastophora flabellata</i> , <i>Neogoniolithon brassica-florida</i> , <i>Pneophyllum coronatum</i> , <i>Pneophyllum fragile</i> , <i>Pneophyllum submersiporum</i> , <i>Spongites</i>	<i>Austrolithon intumescens</i> , <i>Choreonema thuretii</i> , <i>Lithothamnion crispatum</i> , <i>Lithothamnion muelleri</i> , <i>Mastophoropsis canaliculata</i> , <i>Melobesia membranacea</i> , <i>Melobesia rosanoffii</i> , <i>Mesophyllum engelhartii</i> , <i>Mesophyllum incisum</i> , <i>Mesophyllum macroblastum</i> , <i>Mesophyllum printzianum</i> , <i>Phymatolithon masonianum</i> , <i>Phymatolithon repandum</i> , <i>Synarthrophyton patena</i>	<i>Sporolithon durum</i>	Penrose, 1996; Womersley, 1996; Womersley and Johansen, 1996; Huisman, 2000; Harvey et al., 2013

			<i>fruticulosa, Spongites hyperella,</i>			
			<i>Spongites tunicata, Spongites yendoi</i>			
219	Australia, Bass Strait	Australia and NZ	<i>Metagoniolithon chara</i>			Womersley and Johansen, 1996
220	Australia, South	Australia and NZ	<i>Amphiroa anceps, Amphiroa gracilis, Arthrocardia wardii, Corallina officinalis, Hydrolithon cymodoceae, Hydrolithon farinosum, Hydrolithon improcerum, Hydrolithon munitum, Hydrolithon rupestre, Hydrolithon samoense, Jania affinis, Jania micrathrodia, Jania parva, Jania pusilla, Jania rosea, Jania sagittata, Jania verrucosa, Lesueuria minderiana, Lithophyllum chamberlainianum, Lithophyllum corallinae, Lithophyllum irvineanum, Lithophyllum johansenii, Lithophyllum prototypum, Lithophyllum stictaeforme, Lithoporella melobesioides, Metagoniolithon chara, Metagoniolithon radiatum, Metagoniolithon stelliferum, Metamastophora flabellata,</i>	<i>Austrolithon intumescens, Choreonema thuretii, Lithothamnion muelleri, Mastophoropsis canaliculata, Melobesia membranacea, Melobesia rosanoffii, Mesophyllum engelhartii, Mesophyllum incisum, Mesophyllum macroblastum, Mesophyllum printzianum, Phymatolithon masonianum, Phymatolithon repandum, Synarthrophyton patena</i>	<i>Sporolithon durum</i>	Harvey and Woelkerling, 1995; Penrose, 1996; Womersley, 1996; Womersley and Johansen, 1996; Huisman, 2000

			<i>Neogoniolithon brassica-florida</i> , <i>Pneophyllum coronatum</i> , <i>Pneophyllum fragile</i> , <i>Pneophyllum submersiporum</i> , <i>Spongites fruticulosa</i> , <i>Titanoderma pustulatum</i>		
221	Tasmania	Australia and NZ	<i>Arthrocardia wardii</i> , <i>Corallina officinalis</i> , <i>Hydrolithon improcerum</i> , <i>Jania micrathrodia</i> , <i>Jania pusilla</i> , <i>Jania sagittata</i> , <i>Jania verrucosa</i> , <i>Lithophyllum chamberlainianum</i> , <i>Lithophyllum corallinae</i> , <i>Lithophyllum johansenii</i> , <i>Lithophyllum stictaeforme</i> , <i>Lithoporella melobesioides</i> , <i>Metagoniolithon chara</i> , <i>Metagoniolithon radiatum</i> , <i>Metagoniolithon stelliferum</i> , <i>Metamastophora flabellata</i> , <i>Pachyarthron cretaceum</i> , <i>Pneophyllum coronatum</i> , <i>Pneophyllum fragile</i> , <i>Pneophyllum submersiporum</i> , <i>Spongites hyperella</i> , <i>Spongites tunicata</i>	<i>Austrolithon intumescens</i> , <i>Choreonema thuretii</i> , <i>Lithothamnion muelleri</i> , <i>Mastophoropsis canaliculata</i> , <i>Melobesia membranacea</i> , <i>Melobesia rosanoffii</i> , <i>Mesophyllum engelhartii</i> , <i>Mesophyllum incisum</i> , <i>Mesophyllum macroblastum</i> , <i>Mesophyllum printzianum</i> , <i>Phymatolithon masonianum</i> , <i>Phymatolithon repandum</i> , <i>Synarthrophyton patena</i>	Harvey and Woelkerling, 1995; Penrose, 1996; Womersley, 1996; Womersley and Johansen, 1996; Woelkerling et al., 2008
222	New Zealand	Australia and NZ	<i>Amphiroa anceps</i> , <i>Arthrocardia corymbosa</i> , <i>Arthrocardia wardii</i> ,	<i>Choreonema thuretii</i> , <i>Lithothamnion chathamense</i> ,	<i>Heydrichia homalopasta</i> , Chapman and Parkinson, 1974; Adams, 1994;

<i>Corallina armata</i> , <i>Corallina</i>	<i>Lithothamnion crispatum</i> ,	<i>Heydrichia</i>	Penrose, 1996; Nelson,
<i>berteroi</i> , <i>Corallina hombronii</i> ,	<i>Lithothamnion geppiorum</i> ,	<i>woelkerlingii</i> ,	2012
<i>Corallina officinalis</i> , <i>Corallina</i>	<i>Lithothamnion haptericola</i> ,	<i>Sporolithon durum</i>	
<i>pilulifera</i> , <i>Heteroderma jugatum</i> ,	<i>Lithothamnion muelleri</i> ,		
<i>Hydrolithon farinosum</i> , <i>Hydrolithon</i>	<i>Lithothamnion novae-</i>		
<i>improcerum</i> , <i>Hydrolithon onkodes</i> ,	<i>zelandiae</i> , <i>Lithothamnion</i>		
<i>Hydrolithon rupestre</i> , <i>Hydrolithon</i>	<i>proliferum</i> , <i>Melobesia leptura</i> ,		
<i>samoense</i> , <i>Jania affinis</i> , <i>Jania</i>	<i>Melobesia membranacea</i> ,		
<i>cultrata</i> , <i>Jania micrathrodia</i> , <i>Jania</i>	<i>Melobesia rosanoffii</i> ,		
<i>novae-zelandiae</i> , <i>Jania pistillaris</i> ,	<i>Mesophyllum engelhartii</i> ,		
<i>Jania rosea</i> , <i>Jania sagittata</i> , <i>Jania</i>	<i>Mesophyllum erubescens</i> ,		
<i>ungulata</i> f. <i>brevior</i> , <i>Jania verrucosa</i> ,	<i>Mesophyllum incisum</i> ,		
<i>Lithophyllum carpophylli</i> ,	<i>Mesophyllum insigne</i> ,		
<i>Lithophyllum corallinae</i> ,	<i>Mesophyllum macroblastum</i> ,		
<i>Lithophyllum detrusum</i> ,	<i>Mesophyllum printzianum</i> ,		
<i>Lithophyllum johansenii</i> ,	<i>Phymatolithon calcareum</i> ,		
<i>Lithophyllum riosmenae</i> ,	<i>Phymatolithon repandum</i> ,		
<i>Lithophyllum stictaeforme</i> ,	<i>Synarthrophyton patena</i> ,		
<i>Lithophyllum tuberculatum</i> ,	<i>Synarthrophyton schielianum</i>		
<i>Lithoporella melobesioides</i> ,			
<i>Mastophora pacifica</i> , <i>Neogoniolithon</i>			
<i>brassica-florida</i> , <i>Pneophyllum</i>			
<i>coronatum</i> , <i>Pneophyllum fragile</i> ,			
<i>Spongites tunicata</i> , <i>Spongites yendoi</i>			
223 New Zealand, Australia	<i>Corallina officinalis</i> , <i>Jania</i>		Nelson, 2013

	Stewart Islands/Rakiur a	and NZ	<i>micrathrodia, Jania rosea</i>			
224	New Zealand, Snares Islands/Tini Heke	Australia and NZ	<i>Jania rosea</i>	<i>Mesophyllum incisum</i>		Womersley, 1996; Nelson, 2013
225	New Zealand, Auckland Islands	Australia and NZ	<i>Arthrocardia filicula, Corallina hombronii, Corallina officinalis</i>	<i>Mesophyllum engelhartii, Mesophyllum incisum, Synarthrophyton patena</i>		Papenfuss, 1964; Chapman and Parkinson, 1974; Nelson, 2013
226	New Zealand, Kermadec Islands	Australia and NZ	<i>Amphiroa anceps, Corallina officinalis, Jania rosea, Jania sagittata</i>			Nelson, 2013
227	New Zealand, Chatman Islands	Australia and NZ	<i>Corallina officinalis, Jania rosea, Lithophyllum carpophylli, Spongites yendoii</i>	<i>Mesophyllum cystocarpideum, Mesophyllum engelhartii, Mesophyllum incisum, Phymatolithon repandum, Synarthrophyton patena, Synarthrophyton schielianum</i>	<i>Heydrichia homalopasta</i>	Chapman and Parkinson, 1974; Nelson, 2013
228	New Zealand, Bounty Island	Australia and NZ	<i>Jania rosea</i>			Nelson, 2013
229	New Zealand, Antipodes Islands	Australia and NZ	<i>Corallina officinalis</i>			Nelson, 2013
230	Antarctica,	Antarctic	<i>Corallina berteroi, Jania rosea</i>	<i>Melobesia leptura</i>		Levring, 1945; Papenfuss,

	Campbell Islands	a			1964
231	Antarctica, Macquarie Island	Antarctic a	<i>Pseudolithophyllum consociatum</i> , <i>Pseudolithophyllum discoideum</i>	<i>Clathromorphum obteculum</i> , <i>Melobesia membranacea</i> , <i>Phymatolithon lenormandii</i> , <i>Synarthrophyton patena</i> , <i>Synarthrophyton schmitzii</i> <i>Synarthrophyton patena</i>	Ricker, 1987; Wiencke and Clayton, 2002
232	Antarctica, Heard Island	Antarctic a			Wiencke and Clayton, 2002
233	Antarctica, Kerguelen	Antarctic a	<i>Pseudolithophyllum consociatum</i>	<i>Clathromorphum obteculum</i> , <i>Lithothamnion kerguelenum</i> , <i>Phymatolithon lenormandii</i> <i>Lithothamnion granuliferum</i>	Papenfuss, 1964; Wiencke and Clayton, 2002
234	Antarctica, Crozet Islands	Antarctic a			Wiencke and Clayton, 2002
235	Antarctica, South Georgia	Antarctic a	<i>Plectoderma minus</i>	<i>Clathromorphum obteculum</i>	Papenfuss, 1964; Wiencke and Clayton, 2002
236	Antarctica, South Orkney Islands	Antarctic a	<i>Lithophyllum subantarcticum</i>	<i>Clathromorphum obteculum</i>	Wiencke and Clayton, 2002
237	Antarctica, South Shetland Islands	Antarctic a	<i>Lithophyllum subantarcticum</i>	<i>Clathromorphum obteculum</i> , <i>Lithothamnion granuliferum</i> , <i>Synarthrophyton patena</i>	Wiencke and Clayton, 2002
238	Antarctica, Fuegia	Antarctic a	<i>Amphiroa beauvoisii</i> , <i>Amphiroa crassa</i> , <i>Bossiella orbigniana</i> ,	<i>Lithothamnion muelleri</i> , <i>Phymatolithon calcareum</i>	Papenfuss, 1964

			<i>Corallina armata, Hydrolithon farinosum, Lithophyllum decussatum, Lithophyllum racemus, Neogoniolithon mamillare, Pachyarthron cretaceum, Pneophyllum amplexifrons, Titanoderma conspectum</i>		
239	Antarctica, Tierra del Fuego	Antarctic a	<i>Lithophyllum subantarcticum</i>	<i>Clathromorphum obtectulum, Lithothamnion granuliferum</i>	Wiencke and Clayton, 2002
240	Antarctica, Peninsula	Antarctic a	<i>Lithophyllum atalayense, Lithophyllum subantarcticum</i>	<i>Clathromorphum obtectulum, Lithothamnion granuliferum, Synarthrophyton patena</i>	Papenfuss, 1968; Hommersand et al., 2009
241	Antarctica, Subantarctic Islands	Antarctic a	<i>Corallina officinalis, Corallina officinalis var. chilensis, Jania rosea, Lithophyllum subantarcticum, Pseudolithophyllum discoideum</i>	<i>Clathromorphum obtectulum, Lithothamnion fuegianum, Lithothamnion granuliferum, Lithothamnion heterocladum, Lithothamnion manginii, Phymatolithon lenormandii, Synarthrophyton neglectum</i>	Papenfuss, 1964; Wiencke and Clayton, 2002

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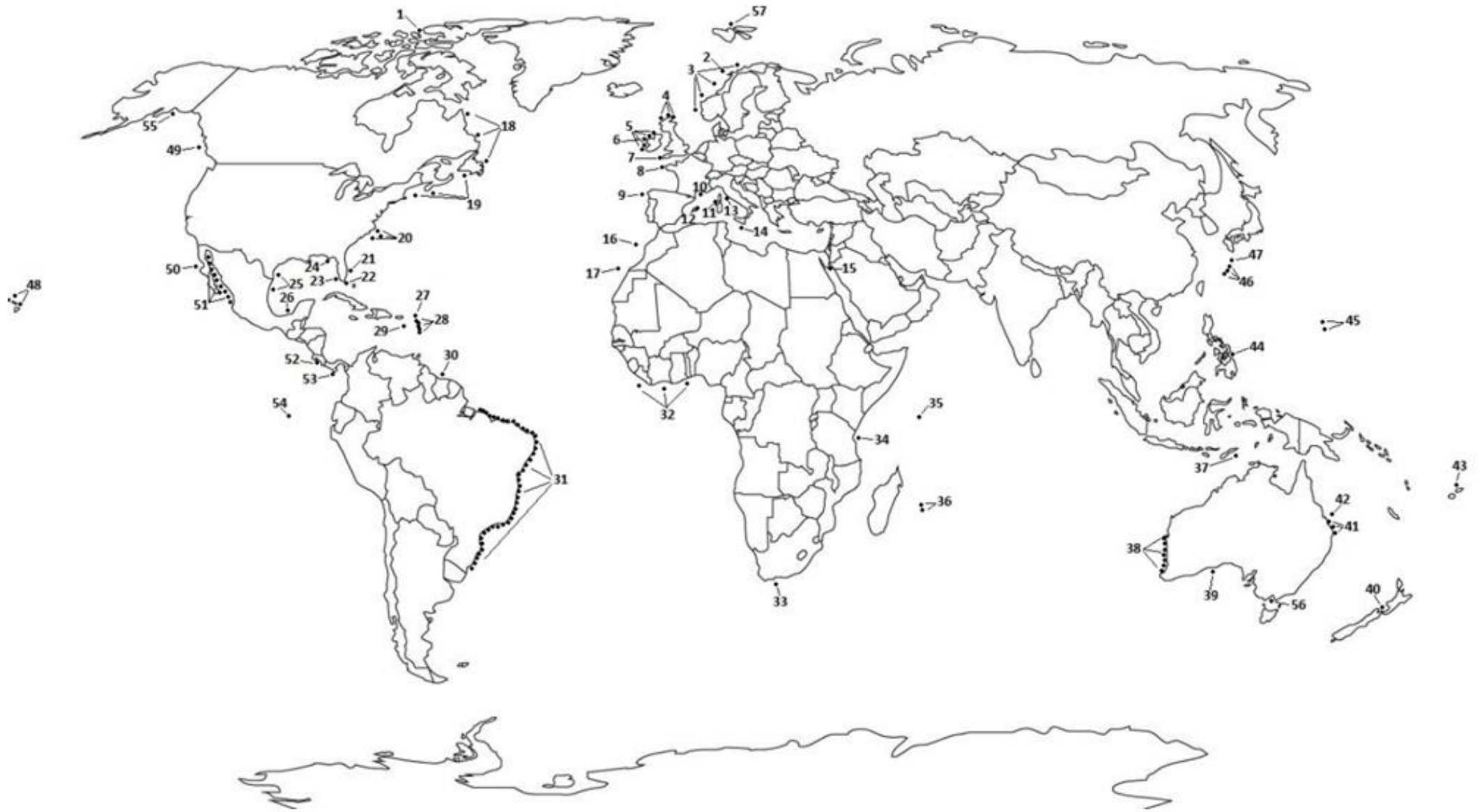
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Table S3. The global distribution and presence of rhodoliths and rhodolith beds. Data from Bosence (1983) and Foster (2001) and supplemented with more studies.

No. #	Global region	Region	Sort of construction	Reference
1	Arctic	Devon Island, Canada	Rhodolith bed	Foster, 2001
2	Arctic	northwest of Norway	Rhodolith bed	Freiwald and Henrich, 1994
3	Arctic	west of Norway	Maerl rhodoliths	Foslie, 1894
4	North Atlantic	northern and western coast of Scotland	Rhodolith bed and maerl rhodoliths	Foster, 2001
5	North Atlantic	west coast of Ireland, Ireland	Rhodolith bed	Grave et al., 2000
6	North Atlantic	west of Ireland	Maerl rhodoliths	Bosence, 1979
7	North Atlantic	south-east of Engeland, UK	Rhodolith bed	Farnham and Bischof, 1985
8	North Atlantic	west of Bretagne, France	Maerl rhodoliths	Lemoine, 1910
9	North Atlantic	west of Spain	Maerl rhodoliths	Adey and McKibbin, 1970
10	Mediterranean	south of France	Rocky slope rhodoliths	Laborel, 1961
11	Mediterranean	Corsica, France	Deep water rhodoliths	Blanc, 1968
12	Mediterranean	Mallorca, Spain	Maerl rhodoliths	Jacquotte, 1962
13	Mediterranean	west coast of Italy	Rhodolith bed	Basso, 1998
14	Mediterranean	Malta	Rhodolith bed	Borg et al., 1998
15	Red Sea	Red Sea, east of Egypt	Rhodolith bed	Piller and Rasser, 1996
16	North Atlantic	west of Maroc	Maerl rhodoliths	Summerhayes et al., 1976
17	North Atlantic	Canaric Islands	Deep water rhodoliths	McMaster and Conover, 1966
18	North Atlantic	east of Nova Scotia, Canada	Maerl rhodoliths	Adey, 1966
19	North Atlantic	south of Nova Scotia, Canada	Rocky slope rhodoliths	Adey, 1966
20	North Atlantic	east of South Carolina, USA	Relic rhodoliths and back reef rhodoliths	Thompson, 1877; Macintyre and Milliman, 1970; Bosellini and Ginsburg, 1971
21	North Atlantic	east of Florida, USA	Rhodolith bed, relic rhodoliths	Bosence, 1983; Littler et al., 1991

			and fore reef rhodoliths	
22	North Atlantic	south-east of Florida, USA	Rhodolith bed	Prager and Ginsburg, 1989
23	Tropical Caribbean	south-west of Florida, USA	Back reef rhodoliths	Bosence, 1983
24	Tropical Caribbean	west of Florida, USA	Rhodolith bed	McClintock et al., 1993
25	Tropical Caribbean	east of Mexico	Relic rhodoliths	Parker and Curray, 1956
26	Tropical Caribbean	north of Honduras	Relic rhodoliths and back reef rhodoliths	Logan et al., 1969
27	Tropical Caribbean	north of Antigua and Barbuda	Fore reef rhodoliths	Bosence, 1983
28	Tropical Caribbean	east of Antigua and Barbuda	Rhodolith bed	Reid and Macintyre, 1988
29	Tropical Caribbean	west of Antigua and Barbuda	Back reef rhodoliths	Adey, 1966
30	Tropical Caribbean	north of Suriname	Back reef rhodoliths	Zanevald, 1958
31	South Atlantic	east coast of Brazil	Rhodolith bed	Kempf, 1970; Milliman, 1977
32	South Atlantic	Gulf of Guinea, Guinea	Rhodolith bed and relic rhodoliths	John and Lawson, 1991
33	South Atlantic	south of South Africa	Relic rhodoliths	Siesser, 1972
34	Indian Ocean	east of Zanzibar	Rhodolith bed	Foster, 2001
35	Indian Ocean	Seychelles	Back reef rhodoliths	Montaggioni, 1979
36	Indian Ocean	Mauritius	Fore reef rhodoliths + reef flat	Montaggioni, 1979

			channel rhodoliths	
37	Indian Ocean	south of east-Timor, Indonesia	Reef flat and channel rhodoliths	Weber von Bosse and Foslie, 1904
38	Indian Ocean	western Australia	Rhodolith bed	James et al., 1999
39	Southern Ocean	Great Australian Bight, Australia	Rhodolith bed	Foster, 2001
40	Southern Ocean	Kapiti Island, New Zealand	Rhodolith bed	Foster, 2001
41	South Pacific	east coast of Australia	Rhodolith bed	Harris et al., 1996
42	South Pacific	One Tree Reef, east of Australia	Rhodolith bed	Ringeltaube and Harvey, 2000
43	South Pacific	Fiji Islands	Rhodolith bed	Scoffin et al., 1985
44	North Pacific	Camiguin Island, Philippines	Rhodolith bed	Foster, 2001
45	North Pacific	Mariana Islands	Reef flat and channel rhodoliths	Johnson, 1961
46	North Pacific	east of Okinawa, Japan	Rhodolith bed	Tsuji, 1993
47	North Pacific	north of Okinawa, Japan	Reef flat and channel rhodoliths	Konishi, 1975
48	North Pacific	Hawaiian Islands, USA	Fore reef rhodoliths	Adey et al., 1982
49	North Pacific	Queen Charlotte Islands, Canada	Rhodolith bed	Foster, 2001
50	North Pacific	Isla Cedros, west of California, USA	Rhodolith bed	Foster, 2001
51	North Pacific	western Gulf of California, USA	Rhodolith bed	Foster, 2001
52	Tropical Pacific	west of Costa Rica	Rhodolith bed	Foster, 2001
53	Tropical Pacific	west of Panama	Rhodolith bed	Glynn, 1974
54	South Pacific	Galapagos Islands	Rhodolith bed	Foster 2001
55	North Pacific	Prince William Sound, Alaska, USA	Rhodolith bed	Konar et al., 2006
56	Southern Ocean	Western Port, Victoria, Australia	Rhodolith bed	Harvey and Bird, 2006
57	Arctic	Kaap Rubin, Spitsbergen	Rhodolith bed	Büdenbender et al., 2011



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2 Figure S1. Global distribution and presence of living rhodoliths and rhodolith beds. The data is from (Bosence, 1983) and (Foster, 2001) and
 3 supplemented with more data available. 1. Devon Island, Canada, 2. northwest of Norway, 3. west of Norway, 4. northern and western coast of
 4 Scotland, 5. west coast of Ireland, Ireland, 6. west of Ireland, 7. south-east of England, UK, 8. west of Bretagne, France, 9. west of Spain, 10. south of

1 France, 11. Corsica, France, 12. Mallorca, Spain, 13. west coast of Italy, 14. Malta, 15. Red Sea, east of Egypt, 16. west of Morocco, 17. Canaric
2 Islands, 18. east of Nova Scotia, Canada, 19. south of Nova Scotia, Canada, 20. east of South Carolina, USA, 21. east of Florida, USA, 22. south-east of
3 Florida, USA, 23. south-west of Florida, USA, 24. west of Florida, USA, 25. east of Mexico, 26. north of Honduras, 27. north of Antigua and Barbuda,
4 28. east of Antigua and Barbuda, 29. west of Antigua and Barbuda, 30. north of Suriname, 31. east coast of Brazil, 32. Gulf of Guinea, Guinea, 33.
5 South Africa, 34. east of Zanzibar, 35. Seychelles, 36. Mauritius, 37. south of east-Timor, Indonesia, 38. western Australia, 39. Great Australian Bight,
6 Australia, 40. Kapiti Island, New Zealand, 41. east coast of Australia, 42. One Tree Reef, east of Australia, 43. Fiji Islands, 44. Camiguin Island,
7 Philippines, 45. Mariana Islands, 46. east of Okinawa, Japan, 47. north of Okinawa, Japan, 48. Hawaiian Islands, USA, 49. Queen Charlotte Islands,
8 Canada, 50. Isla Cedros, west of California, USA, 51. western Gulf of California, USA, 52. west of Costa Rica, 53. west of Panama, 54. Galapagos
9 Islands, 55. Prince William Sound, Alaska, USA, 56. Western Port, Victoria, Australia, and 57. Kaap Rubin, Spitsbergen. Data is described fully with
10 references in Supplementary material, Table S3.

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