

No.	Title	Year	DOI/ Link	Study Location	Marker	<i>Sargassum</i> species	Taxonomic Authority	Taxonomic Status (A = Accepted; NA = Not Accepted)	Revision (if NA)
1	Evaluation of antioxidant activity of brown macroalgae found in Lampung Bay, Indonesia and molecular identification using DNA barcode cox1 BLAST	2025	https://doi.org/10.1186/s13067-025-01488-1	Indonesia	cox1	<i>S. plagiophyllum</i>	C.Agardh 1824: 304	A	
						<i>S. ilicifolium</i>	(Turner) C.Agardh 1820: 11	A	
2	Phylogeny and molecular identification of brown macroalgae <i>Sargassum aquifolium</i> and <i>Sargassum henslowianum</i> in the coastal waters of Kora-Kora, North Sulawesi, Indonesia	2025	https://bioflux.com/doi/10.1007/s10841-025-00988-1	Indonesia	COI	<i>S. aquifolium</i>	(Turner) C.Agardh 1820: 12	A	
						<i>S. henslowianum</i>	J.Agardh 1848: 315	A	
3	Insights into trophic interactions: DNA metabarcoding reveals species composition in black-tailed gull fecal samples in coastal environments of South Korea	2024	https://doi.org/10.1186/s13067-024-01488-1	South Korea	18S	<i>S. cristaefolium</i>	C.Agardh 1820: 13	NA	<i>S. ilicifolium</i> (Turner C. Agardh)
4	The diversity of <i>Sargassum</i> spp. from the south coast of Yogyakarta, Indonesia, based on morphological characters and DNA Barcoding ITS2 nrDNA	2024	https://doi.org/10.1186/s13067-024-01488-1	Indonesia	ITS2	<i>S. aquifolium</i>	(Turner) C.Agardh 1820: 12	A	
						<i>S. yinggehaiense</i>	Tseng & Lu (2002: 14, 15, 17, 18, 20)	A	
						<i>S. polycystum</i>	C. Agardh (1824: 304)	A	
5	Revision of the family Sargassaceae (Fucales, Phaeophyceae) from Kuwait (Arabian / Persian Gulf, NW Indian Ocean) based on analysis of morphology and ITS2 sequences	2023	https://doi.org/10.1186/s13067-023-01488-1	Kuwait	ITS2	<i>S. aquifolium</i>	(Turner) C.Agardh 1820: 12	A	
						<i>S. carpophyllum</i>	J. Agardh (1848: 304)	A	
						<i>S. ilicifolium</i> var. <i>acaraeocarpum</i>	Grunow 1915: 407	A	
						<i>S. yinggehaiense</i>	Tseng & Lu (2002: 14, 15, 17, 18, 20)	A	
6	<i>Sargassum</i> blooms in the East China Sea and Yellow Sea: Formation and management	2021	https://doi.org/10.1186/s13067-021-01488-1	China	ITS2, cox3	<i>S. horneri</i>	(Turner) C.Agardh 1820: 38	A	
7	Brown seaweed <i>Sargassum siliquosum</i> as an intervention for diet-induced obesity in male wistar rats	2021	https://doi.org/10.3390/foods13030437	Australia	COI	<i>S. siliquosum</i>	J.Agardh 1848: 316	A	
8	DNA-barcoding and Species Identification for some Saudi Arabia Seaweeds using rbcL Gene	2019	https://doi.org/10.21961/2019.01.01.000001	Saudi Arabia	rbcL	<i>S. muticum</i>	(Yendo) Fensholt 1955: 306	A	
9	Molecular identification of macroalgal fragments in gut contents of the sea urchin	2017	https://doi.org/10.1186/s13067-017-01488-1	Japan	rbcL	<i>S. hemiphyllum</i>	(Turner) C.Agardh 1820: 39	A	

7	fragments in gut contents of the sea urchin <i>Hemicentrotus pulcherrimus</i>	2017	https://doi.org/10.1186/s12911-017-0381-1	Japan	1002	<i>S. horneri</i>	(Turner) C.Agardh 1820: 38	A	
				Réunion		<i>S. aquifolium</i>	(Turner) C.Agardh 1820: 12	A	
				Tulear, Madagascar		<i>S. carpophyllum</i>	J. Agardh (1848: 304)	A	
				Easter Island		<i>S. howeanum</i>	A.H.S.Lucas 1935: 207	A	
				Fiji		<i>S. ilicifolium</i>	(Turner) C.Agardh 1820: 11	A	
				French Polynesia		<i>S. obtusifolium</i>	J.Agardh 1848: 339	A	
				Hawaiian Island		<i>S. pacificum</i>	Bory 1828: 123	A	
				Kermadec		<i>S. polycystum</i>	C. Agardh (1824: 304)	A	
				New Caledonia		<i>S. polyphyllum</i>	J.Agardh 1848: 308	A	
				Tanzania		<i>S. scabridum</i>	J.D.Hooker & Harvey 1845: 522	A	
10	Assessment of five markers as potential barcodes for identifying <i>Sargassum</i> subgenus <i>Sargassum</i> species (Phaeophyceae, Fucales)	2010	https://sciencepress.scribner.com/doi/abs/10.1016/j.sbsbs.2010.06.001	Vanuatu	1. ITS2 2. Rub 3. mtsp 4. COI 5. cox3	<i>S. spinuligerum</i>	Sonder 1845: 51	A	
				New Zealand		<i>S. swartzii</i>	C.Agardh 1820: 11	A	
				Canary Island		<i>S. ilicifolium</i> var. <i>acaraeocarpum</i>	Grunow 1915: 407	A	
						<i>S. ilicifolium</i>	(Turner) C.Agardh 1820: 11	A	
						<i>S. asperifolium</i>	Hering & G.Martens ex J.Agardh 1848: 334	A	
						<i>S. aquifolium</i>	(Turner) C.Agardh 1820: 12	A	
11	Iodine and fluorine concentrations in seaweeds of the Arabian Gulf identified by morphology and DNA barcodes	2020	https://doi.org/10.1186/s12911-020-00811-1	Kuwait	1. nrSSU 2. ITS2 3. psaA 4. COI-3P 5. COI-5P				
12	New record of <i>Sargassum zhangii</i> (Sargassaceae, Fucales) in India based on nuclear and mitochondrial DNA barcodes	2016	http://dx.doi.org/10.1186/s12911-016-0281-1	India	ITS1, cox1	<i>S. zhangii</i>	Tseng et Lu (C.K.Tseng & Lu Baoren 1999)	A	
13	Phylogeographic Pattern of <i>Sargassum hemiphyllum</i> var. <i>chinense</i> (Phaeophyceae, Ochrophyta) in Chinese Coastal Waters	2025	https://doi.org/10.31233/osf.io/zt9qj	China	ITS, rbcL, cox3, cox1	<i>S. hemiphyllum</i> var. <i>chinense</i>	J.Agardh 1889: 61	NA	<i>S. hemiphyllum</i> (Turner) C.Agardh
14	Molecular assessment of the genus <i>Sargassum</i> (Fucales, Phaeophyceae) from the Mexican coasts of the Gulf of Mexico and Caribbean, with the description of <i>S. xochitlae</i> sp. nov.	2020	https://doi.org/10.1186/s12911-020-00811-1	Mexico	1. COI-5P 2. rbcL_S 3. ITS2	<i>S. xochitlae</i> sp. nov.	González-Nieto, M.C. Oliveira & Mateo-Cid (2020: 259)	A	
				Brazil		<i>S. platycarpum</i>	Montagne 1842: 248	A	
						<i>S. vulgare</i>	C.Agardh, nom. illeg. 1820: 3	Unresolved, requires further investigation	
						<i>S. cymosum</i>	C. Agardh (1820: 20)	A	
						<i>S. fluitans</i>	(Børgesen) Børgesen 1914: 66	A	
						<i>S. polyceratium</i>	Montagne 1837: 356	A	
						<i>S. polyceratium</i> var. <i>ovatum</i>	(Collins) W.R.Taylor 1928: 129	A	
						<i>S. furcatum</i>	Kützinger 1843: 362	A	
						<i>S. bermudense</i>	Grunow 1916: 147	A	

						<i>S. filipendula</i>	C.Agardh 1824: 300	A	
						<i>S. buxifolium</i>	(Chauvin) M.J.Wynne 2011: 110	A	
						<i>S. natans</i>	(Linnaeus) Gaillon 1828: 355	A	
15	Limited Genetic Connectivity Among <i>Sargassum horneri</i> (Phaeophyceae) Populations in the Chinese Marginal Seas Despite Their high Dispersal Capacity	2020	https://doi.org/10.1111/j.1365-3113.2020.00751.x	China	RNL, COB	<i>S. horneri</i>	(Turner) C.Agardh 1820: 38	A	
16	Phylogeography and genetic connectivity of the marine macro-alga <i>Sargassum</i>	2018	https://doi.org/10.1111/j.1365-3113.2018.00611.x	China Japan	ITS2, COI	<i>S. ilicifolium</i>	(Turner) C.Agardh 1820: 11	A	
						<i>S. schnetteri</i> comb. nov.	(Bula-Meyer) Camacho, Mattio & Diaz-Pulido 2015: [9]	A	
						<i>S. cf. cymosum</i>	C. Agardh		
						<i>S. filipendula</i>	C.Agardh 1824: 300	A	
17	Morphological and molecular assessment of <i>Sargassum</i> (Fucales, Phaeophyceae) from Caribbean Colombia, including the proposal of <i>Sargassum giganteum</i> sp. nov., <i>Sargassum schnetteri</i> comb. nov. and <i>Sargassum</i> section <i>Cladophyllum</i> sect. nov.	2014	http://dx.doi.org/10.1111/j.1365-3113.2014.00511.x	Caribbean Colombia	1. ITS2 2. rbcLS 3. cox3 4. mtsp	<i>S. fluitans</i> <i>S. giganteum</i> sp. nov. <i>S. hystrix</i> <i>S. natans</i> <i>S. polyceratium</i> <i>S. pteropleuron</i> <i>S. stenophyllum</i>	(Børgesen) Børgesen 1914: 66 Camacho & Diaz-Pulido (2015: 122) J. Agardh (1847: 7) (Linnaeus) Gaillon 1828: 355 Montagne 1837: 356 Grunow (1868: 55) C.Martius 1828: 8	A A A A A A A	
18	Homogeneous Population of the Brown Alga <i>Sargassum polycystum</i> in Southeast Asia: Possible Role of Recent Expansion and Asexual Propagation	2013	https://doi.org/10.1111/j.1365-3113.2013.00411.x	Philippines China Thailand Cambodia Malaysia Indonesia Guam	1. ITS2 2. Rub spacer 3. cox3	<i>S. polycystum</i>	C. Agardh (1824: 304)	A	
19	A morphological and molecular study of austral <i>Sargassum</i> (Fucales, Phaeophyceae) supports the recognition of <i>Phyllotricha</i> at genus level, with further additions to the genus <i>Sargassopsis</i>	2012	https://doi.org/10.1111/j.1365-3113.2012.00311.x	Australia New Zealand	1. ITS2 2. cox3 3. rbcLS	<i>S. peronii</i> <i>S. heteromorphum</i>	(Mertens ex Turner) C.Agardh 1820: 43 J. Agardh (1873: 60)	NA NA	<i>Sargassopsis decurrens</i> (R.Brown ex Turner) Trevisan <i>Sargassopsis heteromorpha</i> (J.Agardh) R.R.M. Dixon & Huisman

						<i>S. decipiens</i>	(R. Brown ex Turner) C. Agardh (1873: 63)	NA	<i>Phyllotricha decipiens</i> (R.Brown ex Turner) R.R.M. Dixon & Huisman
						<i>S. sonderi</i>	(J. Agardh) J. Agardh (1873: 59)	NA	<i>Phyllotricha sonderi</i> (J. Agardh) Areschoug
						<i>S. varians</i>	Sonder (1845: 51)	NA	<i>Phyllotricha varians</i> (Sonder) R.R.M. Dixon & Huisman
						<i>S. verruculosum</i>	C. Agardh (1820: 26)	NA	<i>Phyllotricha verruculosa</i> (C. Agardh) R.R.M. Dixon & Huisman
						<i>S. lacerifolium</i>	(Turner) C. Agardh (1820: 15)	A	
						<i>S. vestitum</i>	(R. Brown ex Turner) C. Agardh (1820: 24)	A	
						<i>S. paradoxum</i>	(R. Brown ex Turner) Gaillon (1828: 355)	A	
						<i>S. spinuligerum</i>	Sonder 1845: 51	A	
						<i>S. carpophyllum</i>	J. Agardh (1848: 304)	A	
						<i>S. aquifolium</i>	(Turner) C.Agardh 1820: 12	A	
						<i>S. ilicifolium</i>	(Turner) C.Agardh 1820: 11	A	
						<i>S. polycystum</i>	C. Agardh (1824: 304)	A	
20	Phylogeography of the marine macroalga <i>Sargassum hemiphyllum</i> (Phaeophyceae, Heterokontophyta) in northwestern Pacific	2010	https://doi.org/10.1111/j.1365-3113.2010.00411.x	China Japan South Korea Taiwan French Polynesia Easter Island Hawaii	1. ITS2 2. Rbc 3. Trn	<i>S. hemiphyllum</i>	(Turner) C.Agardh 1820: 39	A	
						<i>S. aquifolium</i>	(Turner) C.Agardh 1820: 12	A	
						<i>S. ilicifolium</i>	(Turner) C.Agardh 1820: 11	A	
21	Taxonomic revision of <i>Sargassum</i> sect. <i>Acanthocarpicae</i> (Fucales, Phaeophyceae)	2010	https://doi.org/10.1111/j.1365-3113.2010.00411.x	Hawaii Fiji Vanuatu Solomon Islands New Caledonia New Zealand	1. ITS2 2. rbcLS 3. cox3	<i>S. swartzii</i> <i>S. turbinarioides</i>	C.Agardh 1820: 11 Grunow (1915: 395)	A A	
						<i>S. sp.</i>			
				New Caledonia		<i>S. decurrens</i>	(R. Brown ex Turner) C. Agardh 1820: 42	NA	<i>Sargassopsis decurrens</i> (R.Brown ex Turner) Trevisan

22	DNA sequence data demonstrate the polyphyly of the genus <i>Cystoseira</i> and other Sargassaceae genera (Phaeophyceae)	2010	https://doi.org/10.1111/j.1365-3113.2010.00411.x	Canary Islands	1. mt23S 2. tRNAys 3. psbA	<i>S. desfontainesii</i>	(Turner) C. Agardh 1820: 25	A	
				South Africa		<i>S. elegans</i>	Suhr 1840: 257	A	
				Japan		<i>S. fusiforme</i>	(Harvey) Setchell 1931: 248	A	
				Indonesia		<i>S. horneri</i>	(Turner) C. Agardh 1820: 38	A	
				Netherlands		<i>S. ilicifolium</i>	(Turner) C. Agardh 1820: 11	A	
				New Zealand		<i>S. muticum</i>	(Yendo) Fensholt 1955: 306	A	
						<i>S. ringgoldianum</i>	Harvey 1860: 327	A	
						<i>S. sinclairii</i>	J.D. Hooker & Harvey 1845: 522	A	
				Mexico		<i>S. sp.</i>			
						<i>S. aquifolium</i>	(Turner) C. Agardh 1820: 12	A	
23	Molecular analysis of <i>Sargassum</i> from the Northern China seas	2017	https://doi.org/10.1111/j.1365-3113.2017.00511.x	China	1. ITS2 2. cox3 3. rbcL	<i>S. confusum</i>	C. Agardh (1824: 301)	A	<i>S. hemiphyllum</i> (Turner) C. Agardh
						<i>S. fusiforme</i>	(Harvey) Setchell 1931: 248	A	
						<i>S. hemiphyllum</i> var. <i>chinense</i>	J. Agardh 1889: 61	NA	
						<i>S. horneri</i>	(Turner) C. Agardh 1820: 38	A	
						<i>S. muticum</i>	(Yendo) Fensholt 1955: 306	A	
						<i>S. siliquastrum</i>	(Mertens ex Turner) C. Agardh (1820: 22)	A	
						<i>S. thunbergii</i>	(Mertens ex Roth) Kuntze (1880: 215, 228)	A	
						<i>S. piluliferum</i>	(Turner) C. Agardh (1820: 27)	A	
						<i>S. qingdaoense</i>	C.K. Tseng & B. Lu 2000: 126	NA	
						<i>S. shandongense</i>	C.K. Tseng, Z.F. Zhang & B. Lu 2000: 195	NA	
24	A revision of the genus <i>Sargassum</i> (Fucales, Phaeophyceae) in South Africa	2015	http://dx.doi.org/10.1111/j.1365-3113.2015.00411.x	South Africa	1. ITS2 2. rbcL 3. cox3 4. mt23S	<i>S. yendoii</i>	Okamura & Yamada (1938: 121)	A	<i>S. vachellianum</i> Greville <i>S. vachellianum</i> Greville
						<i>S. vachellianum</i>	Greville (1848: 204)	A	
						<i>S. elegans</i>	Suhr 1840: 257	A	
						<i>S. cymosum</i> var. <i>scabriusculum</i>	Grunow 1916: 142 ('scabriuscula')	A	
						<i>S. ilicifolium</i>	(Turner) C. Agardh 1820: 11	A	
						<i>S. ilicifolium</i> var. <i>acaraeocarpum</i>	Grunow 1915: 407	A	
						<i>S. incisifolium</i>	(Turner) C. Agardh (1820: 14-15)	A	
						<i>S. obovatum</i>	Harvey 1834: 148	A	
						<i>S. polycystum</i>	C. Agardh (1824: 304)	A	
25	Phylogeographic heterogeneity of the brown macroalga <i>Sargassum horneri</i> (Fucales) in the northwestern Pacific in	2011	https://doi.org/10.1111/j.1365-3113.2011.00411.x	Japan	cox3, rbcL	<i>S. horneri</i>	(Turner) C. Agardh 1820: 38	A	

25	(Fucales) in the northwestern Pacific in relation to late Pleistocene glaciation and tectonic configurations	2011	https://doi.org/10.1186/1471-2164-11-10	China	cox3, rbcL	<i>S. horneri</i>	(Turner) C.Agardh 1820: 38	A	
						<i>S. confusum</i>	C. Agardh (1824: 301)	A	
						<i>S. coreanum</i>	J.Agardh 1889: 58	A	
						<i>S. filicinum</i>	Harvey 1860: 327	NA	<i>S. horneri</i> (Turner) C.Agardh
						<i>S. hemiphyllum</i>	(Turner) C.Agardh 1820: 39	A	
						<i>S. horneri</i>	(Turner) C.Agardh 1820: 38	A	
26	Utility of rbcS gene as a novel target DNA region for brown algal molecular systematics	2011	https://doi.org/10.1186/1471-2164-11-10	Japan South Korea	rbcS	<i>S. macrocarpum</i>	C.Agardh 1820: 36	A	
						<i>S. micracanthum</i>	(Kützinger) Endlicher 1843: 31	A	
						<i>S. muticum</i>	(Yendo) Fensholt 1955: 306	A	
						<i>S. serratifolium</i>	(C.Agardh) C.Agardh 1820: 16	A	
						<i>S. thunbergii</i>	(Mertens ex Roth) Kuntze (1880: 215, 228)	A	
						<i>S. yendoii</i>	Okamura & Yamada (1938: 121)	A	
						<i>S. yezoense</i>	(Yamada) T.Yoshida & T.Konno 1983: 151	A	
						<i>S. aquifolium</i>	(Turner) C.Agardh 1820: 12	A	
						<i>S. howeanum</i>	A.H.S.Lucas 1935: 207	A	
						<i>S. ilicifolium</i>	(Turner) C.Agardh 1820: 11	A	
27	Taxonomic revision of <i>Sargassum</i> species (Fucales, Phaeophyceae) from New Caledonia based on morphological and molecular analyses	2009	https://doi.org/10.1186/1471-2164-9-10	New Caledonia	1. ITS2 2. rbcLS 3. cox3	<i>S. polycystum</i>	C. Agardh (1824: 304)	A	
						<i>S. spinuligerum</i>	Sonder 1845: 51	A	
						<i>S. spinuligerum</i> var. <i>crispata</i>	Kützinger 1849: 610	A	
						<i>S. scabridum</i>	J.D.Hooker & Harvey 1845: 522	A	
						<i>S. sinclairii</i>	J.D. Hooker & Harvey 1845: 522	A	
						<i>S. polyphyllum</i>	J.Agardh 1848: 308	A	
						<i>S. aquifolium</i>	(Turner) C.Agardh 1820: 12	A	
						<i>S. ilicifolium</i>	(Turner) C.Agardh 1820: 11	A	
						<i>S. polycystum</i>	C. Agardh (1824: 304)	A	
						<i>S. carpophyllum</i>	J. Agardh (1848: 304)	A	
						<i>S. cristaeefolium</i>	C.Agardh 1820: 13	NA	<i>S. ilicifolium</i> (Turner C. Agardh)
28	Taxonomic revision and geographic distribution of the subgenus <i>Sargassum</i> (Fucales, Phaeophyceae) in the western and central Pacific islands based on morphological and molecular analyses	2009	https://doi.org/10.1186/1471-2164-9-10	Solomon Islands Vanuatu Fiji Hawaiian Islands	1. ITS2 2. rbcLS 3. cox3	<i>S. decurrens</i>	(R. Brown ex Turner) C. Agardh 1820: 42	NA	<i>Sargassopsis decurrens</i> (R.Brown ex Turner) Trevisan
						<i>S. echinocarpum</i>	J. Agardh (1848: 327)	NA	<i>S. aquifolium</i> (Turner) C. Agardh
						<i>S. obtusifolium</i>	J.Agardh 1848: 339	A	

29	Phylogenetic relationships within the genus <i>Sargassum</i> (Fucales, Phaeophyceae), inferred from ITS-2 nrDNA, with an emphasis on the taxonomic subdivision of the genus	2003	https://doi.org/10.1007/s12237-003-9000-0	ITS2	<i>S. pacificum</i>	Bory 1828: 123		
					<i>S. sp.</i>			
					<i>S. ammophilum</i>	T.Yoshida & T.Konno 1982: 289	A	
					<i>S. boreale</i>	T.Yoshida & Horiguchi 2000: 126	A	
					<i>S. confusum</i>	C. Agardh (1824: 301)	A	
					<i>S. fulvellum</i>	(Turner) C.Agardh 1820: 34	A	
					<i>S. hemiphyllum</i>	(Turner) C.Agardh 1820: 39	A	
					<i>S. microceratium</i>	(Mertens ex Turner) C.Agardh 1820: 35	A	
					<i>S. miyabei</i>	Yendo 1907: 112	A	
					<i>S. muticum</i>	(Yendo) Fensholt 1955: 306	A	
					<i>S. pallidum</i>	(Turner) C.Agardh 1820: 39	A	
					<i>S. thunbergii</i>	(Mertens ex Roth) Kuntze (1880: 215, 228)	A	
					<i>S. autumnale</i>	T.Yoshida 1983: 203	A	
					<i>S. giganteifolium</i>	Yamada 1925: 105	A	
					<i>S. macrocarpum</i>	C.Agardh 1820: 36	A	
					<i>S. micracanthum</i>	(Kützinger) Endlicher 1843: 31	A	
					<i>S. ringgoldianum</i>	Harvey 1860: 327	A	
					<i>S. serratifolium</i>	(C.Agardh) C.Agardh 1820: 16	A	
					<i>S. siliquastrum</i>	(Mertens ex Turner) C. Agardh (1820: 22)	A	
					<i>S. trichophyllum</i>	(Kützinger) Kuntze 1880: 228	A	
					<i>S. yamamotoi</i>	T.Yoshida 1983: 171	A	
					<i>S. filicinum</i>	Harvey 1860: 327	NA	<i>S. horneri</i> (Turner) C.Agardh
					<i>S. horneri</i>	(Turner) C.Agardh 1820: 38	A	
					<i>S. nigrifolium</i>	Yendo 1907: 127	A	
					<i>S. okamurae</i>	T.Yoshida & T.Konno 1983: 153	A	
					<i>S. yamadae</i>	T.Yoshida & T.Konno 1983: 148	A	
					<i>S. yezoense</i>	(Yamada) T.Yoshida & T.Konno 1983: 151	A	
					<i>S. mcclurei</i>	Setchell 1933: 45	A	
					<i>S. quinhonense</i>	Nguyen Huu Dai 2002: 109	A	
					<i>S. carpophyllum</i>	J. Agardh (1848: 304)	A	
					<i>S. myriocystum</i>	J.Agardh 1848: 314	NA	<i>S. polycystum</i> C. Agardh
					<i>S. polycystum</i>	C. Agardh (1824: 304)	A	

30

Phylogenetic relationships of *Sargassum* (Sargassaceae, Phaeophyceae) with reference to a taxonomic revision of the section *Phyllocystae* based on ITS-2 nrDNA sequences

2000

<https://doi.org/10.1111/j.1365-3113.2000.00381.x>

Japan
Vietnam
Malaysia
French Polynesia
Fiji
New Caledonia

ITS2

<i>S. duplicatum</i>	Bory 1828: 127	NA	<i>S. ilicifolium</i> (Turner C. Agardh)
<i>S. cristaefolium</i>	C.Agardh 1820: 13	NA	<i>S. ilicifolium</i> (Turner C. Agardh)
<i>S. binderi</i>	Sonder ex J.Agardh 1848: 328	NA	<i>S. aquifolium</i> (Turner) C. Agardh
<i>S. alternato-pinnatum</i>	Yamada 1942: 559	A	
<i>S. mangarevense</i>	(Grunow) Setchell 1926: 96	NA	<i>S. pacificum</i> Bory
<i>S. sociale</i>	(Grunow) Setchell 1926: 95	NA	<i>S. pacificum</i> Bory
<i>S. patens</i>	C.Agardh 1820: 27	A	
<i>S. boryii</i>	C.Agardh 1824: 308	NA	<i>S. decurrens</i> (R.Brown ex Turner) C.Agardh
<i>S. piluliferum</i>	(Turner) C. Agardh (1820: 27)	A	
<i>S. yendoi</i>	Okamura & Yamada (1938: 121)	A	
<i>S. stolonifolium</i>	S.-M.Phang & T.Yoshida 1997: 63	NA	<i>S. bacciferum</i> (Turner) C. Agardh
<i>S. miyabei</i>	Yendo 1907: 112	A	
<i>S. confusum</i>	C. Agardh (1824: 301)	A	
<i>S. siliquastrum</i>	(Mertens ex Turner) C. Agardh (1820: 22)	A	
<i>S. yamamotoi</i>	T.Yoshida 1983: 171	A	
<i>S. filicinum</i>	Harvey 1860: 327	NA	<i>S. horneri</i> (Turner) C.Agardh
<i>S. horneri</i>	(Turner) C.Agardh 1820: 38	A	
<i>S. nigrifolium</i>	Yendo 1907: 127	A	
<i>S. mcclurei</i>	Setchell 1933: 45	A	
<i>S. quinhonense</i>	Nguyen Huu Dai 2002: 109	A	
<i>S. carpophyllum</i>	J. Agardh (1848: 304)	A	
<i>S. myriocystum</i>	J.Agardh 1848: 314	NA	<i>S. polycystum</i> C. Agardh
<i>S. polycystum</i>	C. Agardh (1824: 304)	A	
<i>S. crassifolium</i>	J.Agardh 1848: 326	NA	<i>S. aquifolium</i> (Turner) C. Agardh
<i>S. binderi</i>	Sonder ex J.Agardh 1848: 328	NA	<i>S. aquifolium</i> (Turner) C. Agardh
<i>S. mangarevense</i>	(Grunow) Setchell 1926: 96	NA	<i>S. pacificum</i> Bory
<i>S. sociale</i>	(Grunow) Setchell 1926: 95	NA	<i>S. pacificum</i> Bory

					<i>S. boryii</i>	C.Agardh 1824: 308	NA	<i>S. decurrens</i> (R.Brown ex Turner) C.Agardh
31	The phylogenetic affinities of <i>Myagropsis myagroides</i> (Fucales, Phaeophyceae) as determined from 18S rDNA sequences	1998	https://doi.org/10.2323/journal.18S	Japan	18S	<i>S. horneri</i> <i>S. confusum</i> <i>S. macrocarpum</i> <i>S. sp.</i>	(Turner) C.Agardh 1820: 38 C. Agardh (1824: 301) C.Agardh 1820: 36	A A A
32	Phylogenetic relationships within the Fucales (Phaeophyceae) based on combined partial SSU + LSU rDNA sequence data	1999	https://doi.org/10.1111/j.1365-3113.1999.00111.x	(France	SSU & LSU rDNA	<i>S. muticum</i>	(Yendo) Fensholt 1955: 306	A
33	Phylogenetic Study of <i>Sargassum polycystum</i> (Sargassaceae, Ochrophyta) in Eastern Samar, Philippines Based on the Nuclear rDNA Sequences	2022	https://doi.org/10.51203/scienceasia.67.2022.0011	(Philippines	1. ITS1 2. partial ITS2 3. 5.8S	<i>S. polycystum</i>	C. Agardh (1824: 304)	A
34	Eukaryotic diversity in late Pleistocene marine sediments around a shallow methane hydrate deposit in the Japan Sea	2017	https://doi.org/10.1111/j.1365-3113.2017.00511.x	Japan	18S	<i>S. vachellianum</i>	Greville (1848: 204)	A
35	Molecular Identification of Brown Algae <i>Sargassum</i> sp. from the Lombok Coastal Waters	2022	https://doi.org/10.1111/j.1365-3113.2022.00511.x	Indonesia	ITS2	<i>S. cf. granuliferum</i> <i>S. polycystum</i> <i>S. oligocystum</i>	C. Agardh (1820) C. Agardh (1824: 304) Montagne 1845: 67	 A A
36	Application of polymerase chain reaction (PCR) using Random Amplified Polymorphic DNA (RAPD) primers in the molecular identification of selected <i>Sargassum</i> species (Phaeophyceae, Fucales)	1995	https://doi.org/10.1111/j.1365-3113.1995.00111.x	Malaysia Singapore	RAPD; 1. OPA02 2. OPA03 3. OPA04 4. OPA10 5. OPA13	<i>S. baccularia</i> <i>S. glaucescens</i> <i>S. oligocystum</i> <i>S. polycystum</i> <i>S. siliquosum</i> <i>S. cymosum</i> <i>S. desfontainesii</i> <i>S. filipendula</i> <i>S. flavifolium</i> <i>S. furcatum</i>	(Mertens) C. Agardh (1824: 304) J. Agardh (1848: 306) Montagne 1845: 67 C. Agardh (1824: 304) J.Agardh 1848: 316 C. Agardh (1820: 20) (Turner) C. Agardh 1820: 25 C.Agardh 1824: 300 Kützing 1849: 615 Kützing 1843: 362 T.Díaz-Villa, J.Afonso-Carrillo & M.Sansón 2004: 479	A A A A A A A A A A
37	Multigene phylogenetics of <i>Sargassum</i> (Phaeophyceae) revealed low molecular diversity in contrast to high morphological variability in the NE Atlantic Ocean	2024	https://doi.org/10.1111/j.1365-3113.2024.00511.x	Canary Islands	1. cox3 2. ITS2 3. rbcLS 4. cox2 5. mtsp 6. nad6 7. atpB 8. clbC	<i>S. orotavicum</i> <i>S. ramifolium</i>	Kützing (1843: 362)	A

				9. psbC	<i>S. stenophyllum</i>	C.Martius 1828: 8	A	
					<i>S. sp.</i>			
				1. tRNA ^{Lys}	<i>S. fluitans III</i>	(Børgesen) Børgesen 1914: 66	A	
				2. cox2	<i>S. natans I</i>	(Linnaeus) Gaillon 1828: 355	A	
				3. cox3	<i>S. natans VIII</i>	(Linnaeus) Gaillon 1828: 355	A	
38	Morphological and Molecular Characters Differentiate Common Morphotypes of Atlantic Holopelagic <i>Sargassum</i>	2024	https://doi.org/10.3113/atlantic-ocean	4. Sarg-mt16S	<i>S. hystrix</i>	J. Agardh (1847: 7)	A	
				5.Sarg-nad6	<i>S. furcatum</i>	Kützing 1843: 362	A	
				6. psbA	<i>S. polyceratium</i> var.	(Collins) W.R.Taylor 1928: 129	A	
				7. rbcL	<i>ovatum</i>			
					<i>S. cymosum</i> f.	Grunow (1916: 138)	A	
					<i>borbonicum</i>			
				1. ITS2	<i>S. obovatum</i>	Harvey 1834: 148	A	
39	<i>Sargassum</i> (Fucales, Phaeophyceae) in Mauritius and Reunion, western Indian Ocean: taxonomic revision and biogeography using hydrodynamic dispersal models	2013	https://doi.org/10.21203/rs.3.rs-2611111/v1	2. rbcL	<i>S. pfeifferae</i>	Grunow (1874: 27)	A	
				3. cox3	<i>S. polycystum</i>	C. Agardh (1824: 304)	A	
				4. mt23S	<i>S. portierianum</i>	Zanardini (1858: 232)	A	
					<i>S. obovatum</i> var.	Grunow (1915: 392)	A	
					<i>robillardii</i>			
					<i>S. swartzii</i>	C.Agardh 1820: 11	A	
				1. ITS2	<i>S. aquifolium</i>	(Turner) C.Agardh 1820: 12	A	
40	Diversity and phylogeny of <i>Sargassum</i> (Fucales, Phaeophyceae) in Singapore	2018	https://doi.org/10.1186/1475-2875-1-1	2. rbcLS	<i>S. polycystum</i>	C. Agardh (1824: 304)	A	
				3. cox3	<i>S. cf. granuliferum</i>	C. Agardh (1820)	A	
					<i>S. ilicifolium</i>	(Turner) C.Agardh 1820: 11	A	
					<i>S. sp.</i>			
41	Molecular systematic reassessment of <i>Sargassum</i> (Fucales, Phaeophyceae) in Korea using four gene regions	2012	https://doi.org/10.1186/1475-2875-1-1	1. ITS2	<i>S. autumnale</i>	T.Yoshida 1983: 203	A	
				2. rbcL	<i>S. confusum</i>	C. Agardh (1824: 301)	A	
				3. psaA	<i>S. coreanum</i>	J.Agardh 1889: 58	A	
				4. cox3	<i>S. fallax</i>	Sonder (1845: 52)	A	
					<i>S. filicinum</i>	Harvey 1860: 327	NA	<i>S. horneri</i> (Turner) C.Agardh
					<i>S. fulvellum</i>	(Turner) C.Agardh 1820: 34	A	
					<i>S. fusiforme</i>	(Harvey) Setchell 1931: 248	A	
					<i>S. hemiphyllum</i>	(Turner) C.Agardh 1820: 39	A	
					<i>S. horneri</i>	(Turner) C.Agardh 1820: 38	A	
					<i>S. macrocarpum</i>	C.Agardh 1820: 36	A	
					<i>S. micracanthum</i>	(Kützing) Endlicher 1843: 31	A	
					<i>S. miyabei</i>	Yendo 1907: 112	A	
					<i>S. muticum</i>	(Yendo) Fensholt 1955: 306	A	
					<i>S. nigrifolium</i>	Yendo 1907: 127	A	
					<i>S. sagamianum</i>	Yendo (1907: 151)	A	
					<i>S. serratifolium</i>	(C.Agardh) C.Agardh 1820: 16	A	

						<i>S. siliquastrum</i>	(Mertens ex Turner) C. Agardh (1820: 22)	A	
						<i>S. sinclairii</i>	J.D. Hooker & Harvey 1845: 522	A	
						<i>S. thunbergii</i>	(Mertens ex Roth) Kuntze (1880: 215, 228)	A	
						<i>S. yamadae</i>	T.Yoshida & T.Konno 1983: 148	A	
						<i>S. yezoense</i>	(Yamada) T.Yoshida & T.Konno 1983: 151	A	
						<i>S. aquifolium</i>	(Turner) C.Agardh 1820: 12	A	
						<i>S. carpophyllum</i>	J. Agardh (1848: 304)	A	
						<i>S. howeanum</i>	A.H.S.Lucas 1935: 207	A	
						<i>S. ilicifolium</i>	(Turner) C.Agardh 1820: 11	A	
						<i>S. obtusifolium</i>	J.Agardh 1848: 339	A	
						<i>S. pacificum</i>	Bory 1828: 123		
						<i>S. patens</i>	C.Agardh 1820: 27	A	
						<i>S. piluliferum</i>	(Turner) C. Agardh (1820: 27)	A	
						<i>S. polycystum</i>	C. Agardh (1824: 304)	A	
						<i>S. polyphyllum</i>	J.Agardh 1848: 308	A	
						<i>S. scabridum</i>	J.D.Hooker & Harvey 1845: 522	A	
						<i>S. spinuligerum</i>	Sonder 1845: 51	A	
						<i>S. swartzii</i>	C.Agardh 1820: 11	A	
						<i>S. turbinarioides</i>	Grunow (1915: 395)	A	
						<i>S. yendoii</i>	Okamura & Yamada (1938: 121)	A	
42	The establishment of the invasive non-native macroalga <i>Sargassum muticum</i> in the north of Scotland	2023	https://doi.org/10.1007/s10801-023-00985-1	Scotland	COI	<i>S. muticum</i>	(Yendo) Fensholt 1955: 306	A	
43	Identifying seaweeds species of Chlorophyta, Phaeophyta and Rhodophyta using DNA barcodes	2021	https://doi.org/10.1007/s10801-021-00985-1	India	rbcL	<i>S. tenerrimum</i> <i>S. swartzii</i> <i>S. linearifolium</i> <i>S. polycystum</i>	J. Agardh, 1848 (: 305) C.Agardh 1820: 11 (Turner) C.Agardh 1820: 24 C. Agardh (1824: 304)	A A A A	
44	On the utility of DNA barcoding for species differentiation among brown macroalgae (Phaeophyceae) including a novel extraction protocol	2009	https://doi.org/10.1007/s10801-009-00985-1	Canada	1. COI 2. ITS	<i>S. muticum</i>	(Yendo) Fensholt 1955: 306	A	
						<i>S. horridum</i>	Setchell & Gardner (1924 : 734)	A	
						<i>S. brandegeii</i>	Setchell & Gardner (1924: 736)	NA	<i>S. herporhizum</i> Setchell & N.L. Gardner
45	Morphological reassessment and molecular assessment of <i>Sargassum</i> (Fucales: Phaeophyceae) species from the Gulf of Mexico	2014	http://dx.doi.org/10.1007/s10801-014-00985-1	Mexico	1. ITS2 2. cox3	<i>S. herporhizum</i> <i>S. howellii</i>	Setchell & Gardner (1924: 739) Setchell (1937: 132)	A A	

	Phaeophyceae) species from the Gulf of California, Mexico				3. cox1	<i>S. ulixei</i> sp. nov.	G. Andrade-Sorcia & S.M. Boo (2014: 212)	A
						<i>S. johnstonii</i>	Setchell & Gardner (1924: 737)	A
						<i>S. lapazeanum</i>	Setchell & Gardner (1924: 733)	A
						<i>S. sinicola</i>	Setchell & Gardner (1924: 736)	A
			Red Sea		Table 1	<i>S. aspe (asperifolium?)</i>	Hering & G.Martens ex J.Agardh 1848: 334	A
46	A DNA mini-barcode for marine macrophytes	2020	https://doi.org/10.1111/mph.12511	Cyprus	1. 18S	<i>S. ilicifolium</i> (not sure)	(Turner) C.Agardh 1820: 11	A
				Finland	2. mini rbcL	<i>S. muticum</i> (not sure)	(Yendo) Fensholt 1955: 306	A
				Greenland	3. sgmatK1, sgmatK2	<i>S. natans</i> (not sure)	(Linnaeus) Gaillon 1828: 355	A
					4. COI	<i>S. aquifolium</i>	(Turner) C.Agardh 1820: 12	A
47	Molecular-Assisted Taxonomic Study on the <i>Sargassum</i> C.Agardh (Fucales, Phaeophyceae) in Northwestern Luzon, Philippines	2023	https://doi.org/10.5120/541111	Philippines	cox3	<i>S. ilicifolium</i>	(Turner) C.Agardh 1820: 11	A
						<i>S. polycystum</i>	C. Agardh (1824: 304)	A
48	Comparative mitochondrial and chloroplast genomics of a genetically distinct form of <i>Sargassum</i> contributing to recent “Golden Tides” in the Western Atlantic	2016	https://doi.org/10.1111/mph.12511	Atlantic Ocean	1. cox2	<i>S. natans</i>	(Linnaeus) Gaillon 1828: 355	A
					2. cox3	<i>S. fluitans</i>	(Børgesen) Børgesen 1914: 66	A
49	DNA metabarcoding reveals the diversity of small-sized macroalgae ignored by traditional monitoring in a coastal ecosystem	2024	https://doi.org/10.1111/mph.12511	China	18S	<i>S. fusiforme</i>	(Harvey) Setchell 1931: 248	A
50	DNA Barcoding and phylogography of brown seaweeds of coasts of Indian subcontinent	2013	https://kr.cup.edu.ir	India	1. ITS1	<i>S. zhangii</i>	Tseng et Lu (C.K.Tseng & Lu Baoren 1999)	A
					2. ITS2			
					3. ITS3			
					4. ITS4			
					1. ITS1	<i>S. zhangii</i>	Tseng et Lu (C.K.Tseng & Lu Baoren 1999)	A
					2. ITS2			
51	Sequence-based phygeography and conservation of seaweeds from Indian subcontinents	2014	https://kr.cup.edu.in	India	3. ITS3	<i>S. megalocystum</i>	C.K.Tseng & B.Lu 1997: 489	A
					4. ITS4			
					5. cox1			
					6. cox	<i>S. aquifolium</i>	(Turner) C.Agardh 1820: 12	A
					7. rbcL			
52	Consistent genetic divergence observed among pelagic <i>Sargassum</i> morphotypes in the western North Atlantic	2021	https://doi.org/10.1111/mph.12511	Atlantic Ocean	1. nad6	<i>S. fluitans</i>	(Børgesen) Børgesen 1914: 66	A
					2. cox3	<i>S. natans I</i>	(Linnaeus) Gaillon 1828: 355	A
					3. mt16S	<i>S. natans VIII</i>	(Linnaeus) Gaillon 1828: 355	A
						<i>S. elegans</i>	Suhr 1840: 257	A
						<i>S. ilicifolium</i>	(Turner) C.Agardh 1820: 11	A

53	Contribution to the Revision of the Genus <i>Sargassum</i> (Fucales, Phaeophyceae) in Madagascar Using Morphological and Molecular Data	2015	https://doi.org/10.7554/madagascar	1. ITS2 2. cox3 3. rbcLS 4. 23S	<i>S. ilicifolium</i> var. <i>acaraeocarpum</i>	Grunow 1915: 407	A	
					<i>S. incisifolium</i>	(Turner) C. Agardh (1820: 14-15)	A	
					<i>S. elegans</i>	Suhr 1840: 257	A	
					<i>S. cf. latifolium</i>	(Turner) C. Agardh		
					<i>S. latifolium</i>	(Turner) C. Agardh (1820: 13)	A	
54	An increase in new <i>Sargassum</i> (Phaeophyceae) blooms along the coast of the East China Sea and Yellow Sea	2019	https://doi.org/10.1007/s12237-019-09588-9	1. ITS2 2. cox1 3. cox3	<i>S. obovatum</i>	Harvey 1834: 148	A	
					<i>S. polycystum</i>	C. Agardh (1824: 304)	A	
					<i>S. portierianum</i>	Zanardini (1858: 232) (Grunow) Mattio, Zubia, Loveday, Crochelet, Duong, Payri, Bhagooli & Bolton 2013: 584	A	
					<i>S. robillardii</i>			
					<i>S. swartzii</i>	C. Agardh 1820: 11	A	
55	Marine macroalgal biodiversity of northern Madagascar: morpho-genetic systematics and implications of anthropic impacts for conservation	2021	https://doi.org/10.1007/s12237-021-09588-9	1. rbcL 2. tufA	<i>S. sp.</i>			
					<i>S. cf. obovatum</i>	Harvey		
					<i>S. cf. robillardii</i>	(Grunow) Mattio et al.		
					<i>S. cf. swartzii</i>	C. Agardh		
					<i>S. cymosum</i> var. <i>scabriusculum</i>	Grunow 1916: 142 ('scabriuscula')	A	
56	A deep-sea isopod that consumes <i>Sargassum</i> sinking from the ocean's surface	2024	https://doi.org/10.1007/s12237-024-09588-9	metagenome sequencing	<i>S. ilicifolium</i>	(Turner) C. Agardh 1820: 11	A	
					<i>S. fluitans</i>	(Børgesen) Børgesen 1914: 66	A	
57	The origin and population genetic structure of the 'golden tide' seaweeds, <i>Sargassum horneri</i> , in Korean waters	2019	https://doi.org/10.1007/s12237-019-09588-9	cox3	<i>S. horneri</i>	(Turner) C. Agardh 1820: 38	A	
58	Use of RAPD in differentiation of selected species of <i>Sargassum</i> (Sargassaceae, Phaeophyta)	2007	https://doi.org/10.1007/s12237-007-09588-9	RAPD: 1. OPA 2. OPL 3. OPN	<i>S. baccularia</i>	(Mertens) C. Agardh (1824: 304)	A	
					<i>S. binderi</i>	Sonder ex J. Agardh 1848: 328	NA	<i>S. aquifolium</i> (Turner) C. Agardh
					<i>S. oligocystum</i>	Montagne 1845: 67	A	
					<i>S. polycystum</i>	C. Agardh (1824: 304)	A	
					<i>S. stolonifolium</i>	S.-M. Phang & T. Yoshida 1997: 63	NA	<i>S. bacciferum</i> (Turner) C. Agardh

59	Insights on the <i>Sargassum horneri</i> golden tides in the Yellow Sea inferred from morphological and molecular data	2018	https://doi.org/10.1111/j.1365-3113.2018.00611.x China	1. ml-atp9 2. rps12- rps7 3. cob-cox2	<i>S. horneri</i>	(Turner) C.Agardh 1820: 38	A	
60	Morphological and molecular characterisation and differentiation of <i>Sargassum baccularia</i> and <i>S. polycystum</i> (Phaeophyta)	2004	https://doi.org/10.1111/j.1365-3113.2004.00111.x Malaysia	RAPD: 20 OPA primers (1-20)	<i>S. baccularia</i> <i>S. polycystum</i>	(Mertens) C. Agardh (1824: 304) C. Agardh (1824: 304)	A A	
61	Identification and assessment of genetic diversity among <i>Sargassum</i> species from Egypt	2020	https://doi.org/10.1111/j.1365-3113.2020.00711.x Egypt	18S rRNA	<i>S. subrepandum</i> var. <i>rueppellii</i> <i>S. platycarpum</i> <i>S. latifolium</i>	(J.Agardh) J.Agardh 1889: 96 Montagne 1842: 248 (Turner) C. Agardh (1820: 13)	A A A	
					<i>S. subrepandum</i> var. <i>massauense</i>	Grunow 1886: 46	NA	<i>S. subrepandum</i> f. <i>massauense</i> (Grunow) Grunow
62	Population Genetic Structure of <i>Sargassum horneri</i> , the Dominant Species of Golden Tide in the Yellow Sea	2024	https://doi.org/10.31233/osf.io/zt9qj China South Korea	1. rbcL 2. ITS2 3. cox1 4. cox2 5. cox3	<i>S. horneri</i>	(Turner) C.Agardh 1820: 38	A	
63	Biodiversity of <i>Sargassum</i> (Fucales, Sargassaceae) from Eastern Samar (Philippines) inferred from nuclear ribosomal internal transcribed spacer (ITS) sequence data	2022	https://doi.org/10.1111/j.1365-3113.2022.00811.x Philippines	complete ITS: 18S rDNA, ITS1, 5.8S rDNA & ITS2	<i>S. corderoi</i> <i>S. polycystum</i> <i>S. sp. aff. siliquosum</i>	R.B.Modelo Jr, I.Umezaki & L.M. Liao (1998: 79) C. Agardh (1824: 304)	A A	
64	Low Genetic Variability of <i>Sargassum muticum</i> (Phaeophyceae) Revealed by a Global Analysis of Native and Introduced Populations	2010	https://doi.org/10.1111/j.1365-3113.2010.00411.x Japan South Korea China Canada USA Norway Germany France Spain	1. rbcL_S 2. TrnW_1 spacer 3. ITS2	<i>S. muticum</i>	(Yendo) Fensholt 1955: 306	A	
					<i>S. aquifolium</i>	(Turner) C.Agardh 1820: 12	A	
					<i>S. baccularia</i>	(Mertens) C. Agardh (1824: 304)	A	
65	Systematics of marine brown alga <i>Sargassum</i> from Thailand: A preliminary study based on morphological	2015	http://dx.doi.org/10.1111/j.1365-3113.2015.00511.x Thailand	complete ITS2	<i>S. cinereum</i> <i>S. ilicifolium</i>	J. Agardh (Turner) C.Agardh 1820: 11	A	

	data and nuclear ribosomal internal transcribed spacer 2 (ITS2) sequences					<i>S. oligocystum</i>	Montagne 1845: 67	A	
						<i>S. plagiophyllum</i>	C.Agardh 1824: 304	A	
						<i>S. polycystum</i>	C. Agardh (1824: 304)	A	
						<i>S. swartzii</i>	C.Agardh 1820: 11	A	
						<i>S. obtusifolium</i>	J.Agardh 1848: 339	A	
66	Taxonomic Revision of <i>Sargassum</i> (Fucales, Phaeophyceae) from French Polynesia based on Morphological and Molecular Analyses	2008	https://doi.org/ 10.1 French Polynesia	1. ITS2 2. cox3 3. rbcLS		<i>S. pacificum</i>	Bory 1828: 123		
						<i>S. mangarevense</i>	(Grunow) Setchell 1926: 96	NA	<i>S. pacificum</i> Bory
67	Intraspecific genetic analysis, gamete release performance, and growth of <i>Sargassum muticum</i> (Fucales, Phaeophyta) from China	2013	http://dx.doi.org/10 China	1. ITS2 2. cox3 3. rbcLS		<i>S. muticum</i>	(Yendo) Fensholt 1955: 306	A	
68	Historical biogeography of the widespread macroalga <i>Sargassum</i> (Fucales, Phaeophyceae)	2020	https://doi.org/10.1 This article is a review, the data used are secondary data hence not included in database list						
69	Geographical genetic structure and phylogeography of the <i>Sargassum horneri/filicinum</i> complex in Japan, based on the mitochondrial cox3 haplotype	2009	https://doi.org/10.1 Japan	cox3		<i>S. horneri</i>	(Turner) C.Agardh 1820: 38	A	
						<i>S. filicinum</i>	Harvey 1860: 327	NA	<i>S. horneri</i> (Turner) C.Agardh
70	The floating <i>Sargassum</i> (Phaeophyceae) of the South Atlantic Ocean – likely scenarios	2017	https://www.tandfonline.com/doi/10.1080/13642599.2017.1344444 Atlantic Ocean	ITS2		<i>S. sp.</i>			
71	Levels and distribution patterns of mitochondrial cox3 gene variation in brown seaweed, <i>Sargassum polycystum</i> C. Agardh (Fucales, Phaeophyceae) from Southeast Asia	2013	https://doi.org/10.1080/13642599.2013.824444 Indonesia Cambodia Thailand Singapore Australia Pacific Ocean Tanzania Japan	cox3		<i>S. polycystum</i>	C. Agardh (1824: 304)	A	
72	Historical isolation and contemporary gene flow drive population diversity of the brown alga <i>Sargassum thunbergii</i> along the coast of China	2017	https://doi.org/10.1080/13642599.2017.1344444 China	rbc		<i>S. thunbergii</i>	(Mertens ex Roth) Kuntze (1880: 215, 228)	A	
73	Oceanic currents drove population genetic connectivity of the brown alga <i>Sargassum</i>	2016	https://doi.org/10.1080/13642599.2016.1144444 China	cox3 ITS2		<i>S. thunbergii</i>	(Mertens ex Roth) Kuntze (1880: 215, 228)	A	

73	Connectivity of the brown alga <i>Sargassum thunbergii</i> in the north-west Pacific	2010	https://doi.org/10.1111/j.1365-3113.2010.04381.x	Japan Philippines Thailand Cambodia Singapore Malaysia Indonesia Guam Fiji Vietnam Solomon Islands Vanuatu New Caledonia	cox3, ITS2	<i>S. thunbergii</i>	215, 228)	A
74	Recent expansion led to the lack of genetic structure of <i>Sargassum aquifolium</i> populations in Southeast Asia	2014	https://doi.org/10.1111/mos.12111		1. ITS2 2. cox3 3. rbc	<i>S. aquifolium</i>	(Turner) C.Agardh 1820: 12	A
75	Phylogenetic Relationships of <i>Sargassum</i> Subgenus <i>Bactrophycus</i> (Sargassaceae, Phaeophyceae) Inferred from rDNA ITS Sequences	2002	https://koreascience.org/article/view/10.1007/s10841-002-0001-1	South Korea	ITS (ITS1, ITS2, 5.8S)	<i>S. horneri</i>	(Turner) C.Agardh 1820: 38	A
						<i>S. confusum</i>	C. Agardh (1824: 301)	A
						<i>S. pallidum</i>	(Turner) C.Agardh 1820: 39	A
						<i>S. muticum</i>	(Yendo) Fensholt 1955: 306	A
						<i>S. thunbergii</i>	(Mertens ex Roth) Kuntze (1880: 215, 228)	A
						<i>S. fulvellum</i>	(Turner) C.Agardh 1820: 34	A
						<i>S. hemiphyllum</i>	(Turner) C.Agardh 1820: 39	A
						<i>S. miyabei</i>	Yendo 1907: 112	A
						<i>S. coreanum</i>	J.Agardh 1889: 58	A
						<i>S. micracanthum</i>	(Kützinger) Endlicher 1843: 31	A
						<i>S. macrocarpum</i>	C.Agardh 1820: 36	A
						<i>S. autumnale</i>	T.Yoshida 1983: 203	A
						<i>S. siliquastrum</i>	(Mertens ex Turner) C. Agardh (1820: 22)	A
						<i>S. serratifolium</i>	(C.Agardh) C.Agardh 1820: 16	A
76	Marine conditions in Andaman Sea shape the unique genetic structure of <i>Sargassum plagiophyllum</i> C. Agardh	2024	https://doi.org/10.1111/mos.12111	Thailand Malaysia	1. cox1 2. ITS2	<i>S. plagiophyllum</i>	C.Agardh 1824: 304	A
77	Hidden diversity and phylogeographic history provide conservation insights for the	2016	https://doi.org/10.1111/mos.12111	Japan	1. cox3 2. trnW-F	<i>S. fusiforme</i>	(Harvey) Setchell 1931: 248	A

77	edible seaweed <i>Sargassum fusiforme</i> in the Northwest Pacific	2010	https://doi.org/10.1016/j.sbsbs.2010.05.001	South Korea China	2. rbcL 3. rbcL-S	<i>S. fusiforme</i>	(Harvey) Setchell 1931: 248	A	
	Asymmetric genetic exchange in the brown seaweed <i>Sargassum fusiforme</i> (Phaeophyceae) driven by	2013	https://doi.org/10.1016/j.sbsbs.2013.05.001	South Korea China	cox1	<i>S. fusiforme</i>	(Harvey) Setchell 1931: 248	A	
79	A late Pleistocene marine glacial refugium in the south-west of Hainan Island, China: Phylogeographical insights from the brown alga <i>Sargassum polycystum</i>	2017	https://doi.org/10.1016/j.sbsbs.2017.05.001	Japan China Cambodia Thailand Singapore Indonesia	1. cox1 2. cox3 3. ITS2	<i>S. polycystum</i>	C. Agardh (1824: 304)	A	
	Biogeographic and Phylogenetic Investigations of the Pantropical Genus <i>Sargassum</i> (Fucales, Phaetophyceae) with Respect to Gulf of Mexico Species	2000	https://aquila.usm.edu/theses/1000	USA	rbcLS	<i>S. fallax</i> <i>S. muticum</i> <i>S. thunbergii</i> <i>S. palmeri</i> <i>S. piluliferum</i> <i>S. patens</i> <i>S. polycystum</i> <i>S. myriocystum</i> <i>S. obtusifolium</i> <i>S. polyporum</i> <i>S. polyphyllum</i> <i>S. siliquosum</i> <i>S. filipendula</i> <i>S. mathiesonii</i> <i>S. acinarium</i> <i>S. binderi</i> <i>S. echinocarpum</i> <i>S. cristaefolium</i> <i>S. duplicatum</i> <i>S. platycarpum</i> <i>S. polyceratium</i> <i>S. natans</i> <i>S. fluitans</i>	Sonder (1845: 52) (Yendo) Fensholt 1955: 306 (Mertens ex Roth) Kuntze (1880: 215, 228) Grunow (1915: 338) (Turner) C. Agardh (1820: 27) C. Agardh 1820: 27 C. Agardh (1824: 304) J. Agardh 1848: 314 J. Agardh 1848: 339 Montagne (1842: 250) J. Agardh 1848: 308 J. Agardh 1848: 316 C. Agardh 1824: 300 Kilar (1992: 115-121) Linnaeus Setchell 1933 Sonder ex J. Agardh 1848: 328 J. Agardh (1848: 327) C. Agardh 1820: 13 J. Agardh Montagne 1842: 248 Montagne 1837: 356 (Linnaeus) Gaillon 1828: 355 (Børgesen) Børgesen 1914: 66	A A A A A A A NA A A A A A A A NA NA NA NA A A A A	<i>S. polycystum</i> C. Agardh <i>S. aquifolium</i> (Turner) C. Agardh <i>S. aquifolium</i> (Turner) C. Agardh <i>S. ilicifolium</i> (Turner) C. Agardh <i>S. ilicifolium</i> (Turner) C. Agardh

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						<i>S. piluliferum</i>	(Turner) C. Agardh (1820: 27)	A
						<i>S. polyphyllum</i>	J.Agardh 1848: 308	A
						<i>S. spinuligerum</i>	Sonder 1845: 51	A
						<i>S. yendoi</i>	Okamura & Yamada (1938: 121)	A
						<i>S. carpophyllum</i>	J. Agardh (1848: 304)	A
82	Reassessment of <i>Sargassum glaucescens</i> (Phaeophyceae: Fucales) using both morphological and molecular methods and a description of the species' distribution in Japan	2015	https://www.jstage.j	Japan	ITS2	<i>S. glaucescens</i>	J. Agardh (1848: 306)	A
83	Mitochondrial cox3 and trnW-I sequence diversity of <i>Sargassum muticum</i>	2013	http://dx.doi.org/10.	South Korea Japan UK France USA	1. cox3 2. trnW-I	<i>S. muticum</i>	(Yendo) Fensholt 1955: 306	A
84	A Reassessment of Phylogenetic Relationships within the Phaeophyceae based on Rubisco Large Subunit and Ribosomal DNA Sequences	2001	https://onlinelibrary	Netherlands	1. rbcLS 2. 18S 3. 26S	<i>S. muticum</i>	(Yendo) Fensholt 1955: 306	A
85	Haplotypic differentiation between seasonal populations of <i>Sargassum horneri</i> (Fucales, Phaeophyceae) in Japan	2018	https://doi.org/10.1	Japan	cox3	<i>S. horneri</i>	(Turner) C.Agardh 1820: 38	A
86	New Record of Two <i>Marine Algal Species in Korea: Bryopsis triploramosa and Sargassum polyporum</i>	2016	http://dx.doi.org/10	South Korea	rbcL	<i>S. polyporum</i>	Montagne (1842: 250)	A
87	Development of Quantitative Real-Time PCR for Detecting Environmental DNA Derived from Marine Macrophytes and Its Application to a Field Survey in Hiroshima Bay, Japan	2022	https://doi.org/10.3	Japan	ITS	<i>S. horneri</i>	(Turner) C.Agardh 1820: 38	A
						<i>S. muticum</i>	(Yendo) Fensholt 1955: 306	A
						<i>S. serratifolium</i>	(C.Agardh) C.Agardh 1820: 16	A
						<i>S. macrocarpum</i>	C.Agardh 1820: 36	A
						<i>S. autumnale</i>	T.Yoshida 1983: 203	A
						<i>S. confusum</i>	C. Agardh (1824: 301)	A
						<i>S. fusiforme</i>	(Harvey) Setchell 1931: 248	A
88	DNA metabarcoding analysis of macroalgal seed banks on shell surface of the limpet <i>Niveotectura pallida</i>	2020	https://doi.org/10.1	Japan	rbcL	<i>S. horneri</i>	(Turner) C.Agardh 1820: 38	A
						<i>S. miyabei</i>	Yendo 1907: 112	A

89	Epizoans on Floating Golden Tide Macroalgae in the Southern Yellow Sea	2023	https://doi.org/10.31233/osf.io/zt9qj China	COI	<i>S. zhangii</i>	Tseng et Lu (C.K.Tseng & Lu Baoren 1999)	A
					<i>S. muticum</i>	(Yendo) Fensholt 1955: 306	A
					<i>S. sp.</i>		
					<i>S. horneri</i>	(Turner) C.Agardh 1820: 38	A