

Biogeography and molecular diversity of coral symbionts around the Arabian Peninsula

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Population genetics of reef coral endosymbionts (<i>Symbiodinium</i> , Dinophyceae). <i>Molecular Ecology</i> , 2017, 26, 2640-2659.	2.0	127
2	Stable mucus-associated bacterial communities in bleached and healthy corals of <i>Porites lobata</i> from the Arabian Seas. <i>Scientific Reports</i> , 2017, 7, 45362.	1.6	70
3	Exploratory analysis of <i>Symbiodinium</i> transcriptomes reveals potential latent infection by large dsDNA viruses. <i>Environmental Microbiology</i> , 2017, 19, 3909-3919.	1.8	25
4	Heritability of the <i>Symbiodinium</i> community in vertically- and horizontally-transmitting broadcast spawning corals. <i>Scientific Reports</i> , 2017, 7, 8219.	1.6	89
5	Symbiotic Dinoflagellate Functional Diversity Mediates Coral Survival under Ecological Crisis. <i>Trends in Ecology and Evolution</i> , 2017, 32, 735-745.	4.2	167
6	Sibling species of mutualistic <i>Symbiodinium</i> clade G from bioeroding sponges in the western Pacific and western Atlantic oceans. <i>Journal of Phycology</i> , 2017, 53, 951-960.	1.0	35
7	Introduction to virtual issue on Red Sea and Western Indian Ocean biogeography. <i>Journal of Biogeography</i> , 2017, 44, 1923-1926.	1.4	8
8	Comparative analysis of the genomes of <i>Stylophora pistillata</i> and <i>Acropora digitifera</i> provides evidence for extensive differences between species of corals. <i>Scientific Reports</i> , 2017, 7, 17583.	1.6	121
9	Marine Invertebrate Larvae Associated with <i>Symbiodinium</i> : A Mutualism from the Start?. <i>Frontiers in Ecology and Evolution</i> , 2017, 5, .	1.1	32
10	Physiological and Biogeochemical Responses of Super-Corals to Thermal Stress from the Northern Gulf of Aqaba, Red Sea. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	57
11	Temperature-Driven Local Acclimatization of <i>Symbiodinium</i> Hosted by the Coral <i>Galaxea fascicularis</i> at Hainan Island, China. <i>Frontiers in Microbiology</i> , 2017, 8, 2487.	1.5	27
12	Quantification of dimethyl sulfide (DMS) production in the sea anemone <i>Aiptasia</i> sp. to simulate the sea-to-air flux from coral reefs. <i>Biogeosciences</i> , 2017, 14, 5765-5774.	1.3	2
13	How does an animal behave like a plant? Physiological and molecular adaptations of zooxanthellae and their hosts to symbiosis. <i>Comptes Rendus - Biologies</i> , 2018, 341, 276-280.	0.1	29
14	Unexpected mixed-mode transmission and moderate genetic regulation of <i>Symbiodinium</i> communities in a brooding coral. <i>Heredity</i> , 2018, 121, 524-536.	1.2	53
15	Dominance of <i>Endozoicomonas</i> bacteria throughout coral bleaching and mortality suggests structural inflexibility of the <i>Pocillopora verrucosa</i> microbiome. <i>Ecology and Evolution</i> , 2018, 8, 2240-2252.	0.8	130
16	Patterns of <i>Symbiodinium</i> (Dinophyceae) diversity and assemblages among diverse hosts and the coral reef environment of Lizard Island, Australia. <i>Journal of Phycology</i> , 2018, 54, 447-460.	1.0	11
17	<i>Symbiodinium thermophilum</i> symbionts in <i>Porites harrisoni</i> and <i>Cyphastrea micropthalma</i> in the northern Persian Gulf, Iran. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2018, 98, 2067-2073.	0.4	11
18	Thermal refugia against coral bleaching throughout the northern Red Sea. <i>Global Change Biology</i> , 2018, 24, e474-e484.	4.2	177

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19	Rare symbionts may contribute to the resilience of coral algal assemblages. <i>ISME Journal</i> , 2018, 12, 161-172.	4.4	174
20	An improved primer set and amplification protocol with increased specificity and sensitivity targeting the <i>Symbiodinium</i> ITS2 region. <i>PeerJ</i> , 2018, 6, e4816.	0.9	102
21	Experimental Evolution in Coral Photosymbionts as a Tool to Increase Thermal Tolerance. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	91
22	Intra- and interspecific variation and phenotypic plasticity in thylakoid membrane properties across two <i>Symbiodinium</i> clades. <i>Coral Reefs</i> , 2018, 37, 841-850.	0.9	20
23	Bleaching Resistance and the Role of Algal Endosymbionts. <i>Ecological Studies</i> , 2018, , 111-151.	0.4	34
24	In situ observations of coral bleaching in the central Saudi Arabian Red Sea during the 2015/2016 global coral bleaching event. <i>PLoS ONE</i> , 2018, 13, e0195814.	1.1	82
25	Healthy and diverse coral reefs in Djibouti – A resilient reef system or few anthropogenic threats?. <i>Marine Pollution Bulletin</i> , 2019, 148, 182-193.	2.3	9
26	Unique quantitative <i>Symbiodiniaceae</i> signature of coral colonies revealed through spatio-temporal survey in Moorea. <i>Scientific Reports</i> , 2019, 9, 7921.	1.6	32
27	Diversity of <i>Symbiodiniaceae</i> in 15 Coral Species From the Southern South China Sea: Potential Relationship With Coral Thermal Adaptability. <i>Frontiers in Microbiology</i> , 2019, 10, 2343.	1.5	49
28	Latitudinal Variation in the Molecular Diversity and Community Composition of <i>Symbiodiniaceae</i> in Coral From the South China Sea. <i>Frontiers in Microbiology</i> , 2019, 10, 1278.	1.5	58
29	Differences in <i>Symbiodiniaceae</i> communities and photosynthesis following thermal bleaching of massive corals in the northern part of the South China Sea. <i>Marine Pollution Bulletin</i> , 2019, 144, 196-204.	2.3	17
30	Diversity and shifts of the bacterial community associated with Baikal sponge mass mortalities. <i>PLoS ONE</i> , 2019, 14, e0213926.	1.1	45
31	Ecophysiology of Reef-Building Corals in the Red Sea. <i>Coral Reefs of the World</i> , 2019, , 33-52.	0.3	8
32	The Red Sea: Environmental Gradients Shape a Natural Laboratory in a Nascent Ocean. <i>Coral Reefs of the World</i> , 2019, , 1-10.	0.3	32
33	<i>Symbiodiniaceae</i> Diversity in Red Sea Coral Reefs & Coral Bleaching. <i>Coral Reefs of the World</i> , 2019, , 69-89.	0.3	6
34	Marine heatwaves reveal coral reef zones susceptible to bleaching in the Red Sea. <i>Global Change Biology</i> , 2019, 25, 2338-2351.	4.2	61
35	SymPortal: A novel analytical framework and platform for coral algal symbiont next-generation sequencing <i>ITS2</i> profiling. <i>Molecular Ecology Resources</i> , 2019, 19, 1063-1080.	2.2	205
36	What™s in a name? How organelles of endosymbiotic origin can be distinguished from endosymbionts. <i>Microbial Cell</i> , 2019, 6, 123-133.	1.4	8

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37	Elevated Symbiodiniaceae richness at Atauro Island (Timor-Leste): a highly biodiverse reef system. <i>Coral Reefs</i> , 2019, 38, 123-136.	0.9	15
38	Carbohydrate composition of mucus from scleractinian corals from the central Red Sea. <i>Coral Reefs</i> , 2019, 38, 21-27.	0.9	23
39	Physicochemical Dynamics, Microbial Community Patterns, and Reef Growth in Coral Reefs of the Central Red Sea. <i>Springer Oceanography</i> , 2019, , 401-418.	0.2	1
40	Extremophile symbionts in extreme environments; a contribution to the diversity of Symbiodiniaceae across the northern Persian Gulf and Gulf of Oman. <i>Journal of Sea Research</i> , 2019, 144, 105-111.	0.6	9
41	Status of coral-Symbiodiniaceae research in Western Indian Ocean. <i>Symbiosis</i> , 2019, 77, 207-215.	1.2	3
42	Symbiodiniaceae probiotics for use in bleaching recovery. <i>Restoration Ecology</i> , 2020, 28, 282-288.	1.4	36
43	A framework for in situ molecular characterization of coral holobionts using nanopore sequencing. <i>Scientific Reports</i> , 2020, 10, 15893.	1.6	9
44	Corals in the hottest reefs in the world exhibit symbiont fidelity not flexibility. <i>Molecular Ecology</i> , 2020, 29, 899-911.	2.0	67
45	<i>Leptoria phrygia</i> in Southern Taiwan shuffles and switches symbionts to resist thermal-induced bleaching. <i>Scientific Reports</i> , 2020, 10, 7808.	1.6	13
46	Resistance and robustness of the global coralâ€™symbiont network. <i>Ecology</i> , 2020, 101, e02990.	1.5	8
47	Symbiodiniaceae diversity of <i>Palythoa tuberculosa</i> in the central and southern Red Sea influenced by environmental factors. <i>Coral Reefs</i> , 2020, 39, 1619-1633.	0.9	2
48	<i>Cladocopium infistulum</i> sp. nov. (Dinophyceae), a thermally tolerant dinoflagellate symbiotic with giant clams from the western Pacific Ocean. <i>Phycologia</i> , 2020, 59, 515-526.	0.6	14
49	Adaptation to Bleaching: Are Thermotolerant Symbiodiniaceae Strains More Successful Than Other Strains Under Elevated Temperatures in a Model Symbiotic Cnidarian?. <i>Frontiers in Microbiology</i> , 2020, 11, 822.	1.5	12
50	Thermal acclimation increases heat tolerance of the scleractinian coral <i>Acropora pruinosa</i> . <i>Science of the Total Environment</i> , 2020, 733, 139319.	3.9	35
51	Low Symbiodiniaceae diversity in a turbid marginal reef environment. <i>Coral Reefs</i> , 2020, 39, 545-553.	0.9	19
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53	Robustness to extinction and plasticity derived from mutualistic bipartite ecological networks. <i>Scientific Reports</i> , 2020, 10, 9783.	1.6	16
54	Endosymbiont diversity and community structure in <i>Porites lutea</i> from Southeast Asia are driven by a suite of environmental variables. <i>Symbiosis</i> , 2020, 80, 269-277.	1.2	25

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55	Coral microbiome composition along the northern Red Sea suggests high plasticity of bacterial and specificity of endosymbiotic dinoflagellate communities. <i>Microbiome</i> , 2020, 8, 8.	4.9	75
56	Dispersal, genetic variation, and symbiont interaction network of heat-tolerant endosymbiont <i>Durusdinium trenchii</i> : Insights into the adaptive potential of coral to climate change. <i>Science of the Total Environment</i> , 2020, 723, 138026.	3.9	31
57	Unlocking the phylogenetic diversity, primary habitats, and abundances of free-living Symbiodiniaceae on a coral reef. <i>Molecular Ecology</i> , 2021, 30, 343-360.	2.0	33
58	Microbiome community and complexity indicate environmental gradient acclimatisation and potential microbial interaction of endemic coral holobionts in the South China Sea. <i>Science of the Total Environment</i> , 2021, 765, 142690.	3.9	29
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60	Using form II ribulose-1,5-bisphosphate carboxylase/oxygenase to estimate the phototrophic potentials of Symbiodinium, Cladocopium and Durusdinium in various organs of the fluted giant clam, <i>Tridacna squamosa</i> , and to evaluate their responses to light upon isolation from the host. <i>Coral Reefs</i> , 2021, 40, 233-250.	0.9	9
61	Symbiodiniaceae conduct under natural bleaching stress during advanced gametogenesis stages of a mesophotic coral. <i>Coral Reefs</i> , 2021, 40, 959-964.	0.9	3
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64	Dinoflagellate Endosymbiont of the Soft Coral <i>Stichodactyla haddoni</i> Saville-Kent Collected from the Coast of Hormuz Island, Strait of Hormuz. <i>Russian Journal of Marine Biology</i> , 2021, 47, 126-133.	0.2	1
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66	The enhanced expression of heat stress-related genes in scleractinian coral <i>Porites harrisoni</i> during warm episodes as an intrinsic mechanism for adaptation in the Persian Gulf. <i>Coral Reefs</i> , 2021, 40, 1013-1028.	0.9	7
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71	Contrasting heat stress response patterns of coral holobionts across the Red Sea suggest distinct mechanisms of thermal tolerance. <i>Molecular Ecology</i> , 2021, 30, 4466-4480.	2.0	68
72	Different responses of scleractinian coral <i>Acropora pruinosa</i> from Weizhou Island during extreme high temperature events. <i>Coral Reefs</i> , 2021, 40, 1697-1711.	0.9	16
73	Heat stress destabilizes symbiotic nutrient cycling in corals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	179

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77	Symbiont community diversity is more variable in corals that respond poorly to stress. <i>Global Change Biology</i> , 2020, 26, 2220-2234.	4.2	34
78	Homogenization of Endosymbiont Communities Hosted by Equatorial Corals during the 2016 Mass Bleaching Event. <i>Microorganisms</i> , 2020, 8, 1370.	1.6	7
79	Using high-throughput sequencing of ITS2 to describe <i>Symbiodinium</i> metacommunities in St. John, US Virgin Islands. <i>PeerJ</i> , 2017, 5, e3472.	0.9	88
80	Gene clusters for biosynthesis of mycosporine-like amino acids in dinoflagellate nuclear genomes: Possible recent horizontal gene transfer between species of Symbiodiniaceae (Dinophyceae). <i>Journal of Phycology</i> , 2022, 58, 1-11.	1.0	5
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88	Spatial and interspecific differences in coral-associated bacterial diversity in Hainan, China. <i>Marine Pollution Bulletin</i> , 2022, 175, 113321.	2.3	7
89	Bleaching physiology: who's the "weakest link" host vs. symbiont?. <i>Emerging Topics in Life Sciences</i> , 2022, 6, 17-32.	1.1	6
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91	Endosymbiont Communities in <i>Pachyseris speciosa</i> Highlight Geographical and Methodological Variations. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	3
92	Ammonia transporter 2 as a molecular marker to elucidate the potentials of ammonia transport in phylotypes of <i>Symbiodinium</i> , <i>Cladocopium</i> and <i>Durusdinium</i> in the fluted giant clam, <i>Tridacna squamosa</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2022, 269, 111225.	0.8	2
135	Molecular diversity and assemblages of coral symbionts (Symbiodiniaceae) in diverse scleractinian coral species. <i>Marine Environmental Research</i> , 2022, 179, 105706.	1.1	5
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137	Lagoon coral microbiomes and their potential relationship with adaptation of coral holobionts to extreme high-temperature environments. <i>Marine Ecology - Progress Series</i> , 2022, 699, 19-32.	0.9	1
138	Stable Symbiodiniaceae composition in three coral species during the 2017 natural bleaching event in subtropical Hong Kong. <i>Marine Pollution Bulletin</i> , 2022, 184, 114224.	2.3	3

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139	Adaptive changes of coral <i>Galaxea fascicularis</i> holobiont in response to nearshore stress. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	7
140	The reef-building coral <i>Galaxea fascicularis</i> : a new model system for coral symbiosis research. <i>Coral Reefs</i> , 2023, 42, 239-252.	0.9	6
141	Environmental and geographical factors structure cauliflower coral's algal symbioses across the Indo-Pacific. <i>Journal of Biogeography</i> , 2023, 50, 669-684.	1.4	1
142	Coral Reefs in the Face of Their Fate. <i>Coral Reefs of the World</i> , 2023, , 145-158.	0.3	0
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