

# Depth Influences Symbiodiniaceae Associations Among *Montastraea cavernosa* Corals on the Belize Barrier Reef

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## Supplementary Materials

**Supplementary Table S1.** Oligonucleotide sequences used for *ITS2* typing Symbiodiniaceae communities. Unique indices in barcoding primers are bolded in the sequence and listed under “Index”.

Name	Sequence (5'–3')	Index	Use
ITS2-F-miseq	TCGTCGGCAGCGTCAGATGTGTATAAGAGACAGGTGAATTGCAGAACTCCGTG	n/a	ITS2 PCR
ITS2-R-miseq	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAGCCTCCGCTTACTTATATGCTT	n/a	ITS2 PCR
Hyb_F1_i5	AATGATACGGCGACCACCGAGATCTACAC <b>ATCACG</b> TCGTCGGCAGCGTC	ATCACG	Indexing PCR
Hyb_F2_i5	AATGATACGGCGACCACCGAGATCTACAC <b>CGATGT</b> TCGTCGGCAGCGTC	CGATGT	Indexing PCR
Hyb_F3_i5	AATGATACGGCGACCACCGAGATCTACAC <b>TTAGGC</b> TCGTCGGCAGCGTC	TTAGGC	Indexing PCR
Hyb_F4_i5	AATGATACGGCGACCACCGAGATCTACAC <b>TGACCA</b> TCGTCGGCAGCGTC	TGACCA	Indexing PCR
Hyb_F5_i5	AATGATACGGCGACCACCGAGATCTACAC <b>ACAGTG</b> TCGTCGGCAGCGTC	ACAGTG	Indexing PCR
Hyb_F6_i5	AATGATACGGCGACCACCGAGATCTACAC <b>GCCAAT</b> TCGTCGGCAGCGTC	GCCAAT	Indexing PCR
Hyb_F7_i5	AATGATACGGCGACCACCGAGATCTACAC <b>CAGATC</b> TCGTCGGCAGCGTC	CAGATC	Indexing PCR
Hyb_F8_i5	AATGATACGGCGACCACCGAGATCTACAC <b>ACTTGA</b> TCGTCGGCAGCGTC	ACTTGA	Indexing PCR
Hyb_F9_i5	AATGATACGGCGACCACCGAGATCTACAC <b>GATCAG</b> TCGTCGGCAGCGTC	GATCAG	Indexing PCR
Hyb_R1_i7	CAAGCAGAAGACGGCATAACGAGAT <b>GGCTAC</b> GTCTCGTGGGCTCGG	GGCTAC	Indexing PCR
Hyb_R2_i7	CAAGCAGAAGACGGCATAACGAGAT <b>CTTGTA</b> GTCTCGTGGGCTCGG	CTTGTA	Indexing PCR
Hyb_R3_i7	CAAGCAGAAGACGGCATAACGAGAT <b>AGTCAA</b> GTCTCGTGGGCTCGG	AGTCAA	Indexing PCR
Hyb_R4_i7	CAAGCAGAAGACGGCATAACGAGAT <b>AGTTCC</b> GTCTCGTGGGCTCGG	AGTTCC	Indexing PCR

Hyb_R5_i7	CAAGCAGAAGACGGCATAACGAGAT <b>ATGTCA</b> GTCTCGTGGGCTCGG	ATGTCA	Indexing PCR
Hyb_R6_i7	CAAGCAGAAGACGGCATAACGAGAT <b>CCGTCC</b> GTCTCGTGGGCTCGG	CCGTCC	Indexing PCR
Hyb_R7_i7	CAAGCAGAAGACGGCATAACGAGAT <b>GTAGAG</b> GTCTCGTGGGCTCGG	GTAGAG	Indexing PCR
Hyb_R8_i7	CAAGCAGAAGACGGCATAACGAGAT <b>GTCCGC</b> GTCTCGTGGGCTCGG	GTCCGC	Indexing PCR
Hyb_R9_i7	CAAGCAGAAGACGGCATAACGAGAT <b>GTGAAA</b> GTCTCGTGGGCTCGG	GTGAAA	Indexing PCR
Hyb_R10_i7	CAAGCAGAAGACGGCATAACGAGAT <b>GTGGCC</b> GTCTCGTGGGCTCGG	GTGGCC	Indexing PCR
III_Lib1	AATGATACGGCGACCACCGA	n/a	qPCR
III_Lib2	CAAGCAGAAGACGGCATAACGA	n/a	qPCR

**Supplementary Table S2.** *Montastraea cavernosa* Symbiodiniaceae *ITS2* sequencing information. Site = sampling site (Fig 1.1); Depth zone = depth zone colony from which colony was sampled (Fig 1.2); *ITS2* PCR cycles = number of PCR cycles to amplify Symbiodiniaceae *ITS2*; Sequencing pool = random sequencing pool assignment; i5 index = forward index; i7 index = reverse complement of reverse index.

Sample ID	Sampling date	Site	Depth zone (m)	<i>ITS2</i> PCR cycles	Sequencing pool	i5 Index	i7 Index
CBC_MCAV_001	03/23/17	RW	25	24	3	CAGATC	GCGGAC
CBC_MCAV_002	03/23/17	RW	25	24	1	CGATGT	GGAAC
CBC_MCAV_003	03/23/17	RW	25	24	2	ACTTGA	TTTCAC
CBC_MCAV_004	03/23/17	RW	25	24	1	CGATGT	TTGACT
CBC_MCAV_005	03/23/17	RW	25	22	1	ACAGTG	GCGGAC
CBC_MCAV_006	03/23/17	RW	25	24	3	ACAGTG	GTAGCC
CBC_MCAV_007	03/23/17	RW	25	24	2	TTAGGC	GCGGAC
CBC_MCAV_008	03/23/17	RW	25	24	3	ACTTGA	GGCCAC
CBC_MCAV_009	03/23/17	RW	25	24	2	ACAGTG	GGACGG
CBC_MCAV_010	03/23/17	RW	25	24	1	ATCACG	CTCTAC
CBC_MCAV_011	03/23/17	RW	25	28	2	CGATGT	TGACAT
CBC_MCAV_012	03/23/17	RW	25	28	3	ACAGTG	CTCTAC
CBC_MCAV_013	03/23/17	RW	25	28	2	ACAGTG	TTTCAC

CBC_MCAV_014	03/23/17	RW	25	24	1	TGACCA	GTAGCC
CBC_MCAV_015	03/23/17	RW	25	22	3	CGATGT	TGACAT
CBC_MCAV_016	03/23/17	RW	25	24	2	CAGATC	TACAAG
CBC_MCAV_017	03/23/17	RW	16	28	1	TGACCA	CTCTAC
CBC_MCAV_018	03/23/17	RW	16	24	3	ATCACG	GTAGCC
CBC_MCAV_019	03/23/17	RW	16	24	2	CGATGT	GCGGAC
CBC_MCAV_020	03/23/17	RW	16	28	3	ATCACG	CTCTAC
CBC_MCAV_021	03/23/17	RW	16	28	1	ACTTGA	TGACAT
CBC_MCAV_022	03/23/17	RW	16	26	3	CAGATC	TTTCAC
CBC_MCAV_023	03/23/17	RW	16	22	3	ACAGTG	TTGACT
CBC_MCAV_024	03/23/17	RW	16	22	3	CGATGT	GGCCAC
CBC_MCAV_025	03/23/17	RW	16	26	3	CGATGT	TTGACT
CBC_MCAV_026	03/23/17	RW	16	24	1	CGATGT	TACAAG
CBC_MCAV_027	03/23/17	RW	16	24	1	ACAGTG	CTCTAC
CBC_MCAV_028	03/23/17	RW	16	22	3	GCCAAT	GGAACT
CBC_MCAV_029	03/23/17	RW	10	22	1	CAGATC	TTGACT
CBC_MCAV_030	03/23/17	RW	10	24	1	ATCACG	GTAGCC
CBC_MCAV_031	03/23/17	RW	10	24	1	TTAGGC	GTAGCC
CBC_MCAV_032	03/23/17	RW	10	28	1	GCCAAT	GCGGAC
CBC_MCAV_033	03/23/17	RW	10	28	1	GCCAAT	CTCTAC
CBC_MCAV_034	03/23/17	RW	10	28	2	CGATGT	GGACGG
CBC_MCAV_035	03/23/17	RW	10	22	3	TGACCA	TGACAT
CBC_MCAV_036	03/23/17	RW	10	23	2	GCCAAT	TACAAG
CBC_MCAV_037	03/23/17	RW	10	22	3	ACTTGA	TACAAG
CBC_MCAV_038	03/23/17	RW	10	23	3	CGATGT	TTTCAC
CBC_MCAV_039	03/23/17	RW	10	22	2	CGATGT	TTTCAC
CBC_MCAV_040	03/23/17	RW	10	23	2	TGACCA	TTTCAC
CBC_MCAV_041	03/23/17	RW	10	23	3	ACAGTG	TACAAG
CBC_MCAV_042	03/23/17	RW	10	22	3	ACTTGA	GGAACT

CBC_MCAV_043	03/23/17	RW	10	22	2	ATCACG	CTCTAC
CBC_MCAV_044	03/23/17	RW	16	23	1	TTAGGC	TTTCAC
CBC_MCAV_045	03/23/17	RW	16	22	3	ACTTGA	GCGGAC
CBC_MCAV_046	03/23/17	RW	16	22	3	CAGATC	GTAGCC
CBC_MCAV_047	03/24/17	SR	16	22	1	TGACCA	GGCCAC
CBC_MCAV_048	03/24/17	SR	16	22	3	GCCAAT	TGACAT
CBC_MCAV_049	03/24/17	SR	16	23	2	CAGATC	TTGACT
CBC_MCAV_050	03/24/17	SR	16	22	1	GCCAAT	GGAACT
CBC_MCAV_051	03/24/17	SR	16	22	3	GCCAAT	TTTCAC
CBC_MCAV_052	03/24/17	SR	16	26	1	ATCACG	GCGGAC
CBC_MCAV_053	03/24/17	SR	16	23	2	CGATGT	GTAGCC
CBC_MCAV_054	03/24/17	SR	16	24	1	GCCAAT	TTGACT
CBC_MCAV_055	03/24/17	SR	16	22	1	TTAGGC	GGCCAC
CBC_MCAV_056	03/24/17	SR	16	22	2	GCCAAT	GCGGAC
CBC_MCAV_057	03/24/17	SR	16	22	3	GCCAAT	TTGACT
CBC_MCAV_058	03/24/17	SR	16	23	1	ACAGTG	GTAGCC
CBC_MCAV_059	03/24/17	SR	16	22	2	GCCAAT	GGACGG
CBC_MCAV_060	03/24/17	SR	16	23	1	ACTTGA	GGACGG
CBC_MCAV_061	03/24/17	SR	25	22	2	TGACCA	GCGGAC
CBC_MCAV_062	03/24/17	SR	25	28	2	ATCACG	TTTCAC
CBC_MCAV_063	03/24/17	SR	25	22	1	ACAGTG	TGACAT
CBC_MCAV_064	03/24/17	SR	25	23	2	CGATGT	GGCCAC
CBC_MCAV_065	03/24/17	SR	25	23	1	CGATGT	TGACAT
CBC_MCAV_066	03/24/17	SR	25	22	1	TGACCA	TGACAT
CBC_MCAV_067	03/24/17	SR	25	24	3	CAGATC	CTCTAC
CBC_MCAV_068	03/24/17	SR	25	24	1	GCCAAT	TTTCAC
CBC_MCAV_069	03/24/17	SR	25	22	2	ATCACG	GCGGAC
CBC_MCAV_070	03/24/17	SR	25	24	2	GCCAAT	CTCTAC
CBC_MCAV_071	03/24/17	SR	25	24	1	GCCAAT	TACAAG

CBC_MCAV_072	03/24/17	SR	25	24	3	CGATGT	GGACGG
CBC_MCAV_073	03/24/17	SR	25	24	2	ATCACG	TACAAG
CBC_MCAV_074	03/24/17	SR	25	24	2	TTAGGC	GTAGCC
CBC_MCAV_075	03/24/17	SR	25	23	2	CAGATC	GGCCAC
CBC_MCAV_076	03/24/17	SR	10	23	2	ATCACG	TGACAT
CBC_MCAV_077	03/24/17	SR	10	22	3	TTAGGC	TTTCAC
CBC_MCAV_078	03/24/17	SR	10	23	1	ATCACG	TTTCAC
CBC_MCAV_079	03/24/17	SR	10	23	2	ACTTGA	GGACGG
CBC_MCAV_080	03/24/17	SR	10	24	1	TGACCA	TTGACT
CBC_MCAV_081	03/24/17	SR	10	22	1	ACTTGA	GGCCAC
CBC_MCAV_082	03/24/17	SR	10	22	2	TTAGGC	GGCCAC
CBC_MCAV_083	03/24/17	SR	10	22	3	TGACCA	CTCTAC
CBC_MCAV_084	03/24/17	SR	10	22	2	ACAGTG	TGACAT
CBC_MCAV_085	03/24/17	SR	10	22	1	TTAGGC	CTCTAC
CBC_MCAV_086	03/24/17	SR	10	22	1	TGACCA	GGACGG
CBC_MCAV_087	03/24/17	SR	10	22	3	ATCACG	GCGGAC
CBC_MCAV_088	03/24/17	SR	10	22	2	CAGATC	GGACGG
CBC_MCAV_089	03/24/17	SR	10	24	2	CAGATC	TGACAT
CBC_MCAV_090	03/24/17	SR	10	23	1	ACAGTG	GGCCAC
CBC_MCAV_091	03/24/17	SR	10	24	3	TGACCA	GCGGAC
CBC_MCAV_092	03/24/17	SR	16	23	2	ACTTGA	TGACAT
CBC_MCAV_093	03/24/17	TR	16	26	2	TGACCA	CTCTAC
CBC_MCAV_094	03/24/17	TR	16	22	3	CGATGT	GTAGCC
CBC_MCAV_095	03/24/17	TR	16	22	2	GCCAAT	TGACAT
CBC_MCAV_096	03/24/17	TR	16	23	3	GCCAAT	TACAAG
CBC_MCAV_097	03/24/17	TR	16	22	3	ACAGTG	GCGGAC
CBC_MCAV_098	03/24/17	TR	16	24	3	ACAGTG	GGCCAC
CBC_MCAV_099	03/24/17	TR	16	24	1	ATCACG	TTGACT
CBC_MCAV_100	03/24/17	TR	16	22	1	ACTTGA	GGA ACT

CBC_MCAV_101	03/24/17	TR	16	22	2	TGACCA	TACAAG
CBC_MCAV_102	03/24/17	TR	16	22	3	TTAGGC	GCGGAC
CBC_MCAV_103	03/24/17	TR	16	22	1	CAGATC	GGAACT
CBC_MCAV_104	03/24/17	TR	16	22	1	GCCAAT	GTAGCC
CBC_MCAV_105	03/24/17	TR	16	22	2	ACTTGA	GGCCAC
CBC_MCAV_106	03/24/17	TR	16	23	1	ATCACG	TGACAT
CBC_MCAV_107	03/25/17	TR	10	22	3	CAGATC	TGACAT
CBC_MCAV_108	03/25/17	TR	10	22	2	ACAGTG	TTGACT
CBC_MCAV_109	03/25/17	TR	10	22	3	CAGATC	GGACGG
CBC_MCAV_110	03/25/17	TR	10	22	1	ACTTGA	TTGACT
CBC_MCAV_111	03/25/17	TR	10	23	3	TGACCA	TTTCAC
CBC_MCAV_112	03/25/17	TR	10	22	1	TTAGGC	TACAAG
CBC_MCAV_113	03/25/17	TR	10	22	2	ATCACG	GTAGCC
CBC_MCAV_114	03/25/17	TR	10	22	2	TGACCA	GGAACT
CBC_MCAV_115	03/27/17	GR	10	22	2	ACAGTG	CTCTAC
CBC_MCAV_116	03/25/17	TR	10	22	1	CAGATC	TTTCAC
CBC_MCAV_117	03/25/17	TR	10	22	1	ACTTGA	GCGGAC
CBC_MCAV_118	03/25/17	TR	10	22	1	CAGATC	GGCCAC
CBC_MCAV_119	03/25/17	TR	10	22	3	ATCACG	TTGACT
CBC_MCAV_120	03/25/17	TR	10	22	1	TGACCA	GGAACT
CBC_MCAV_121	03/25/17	TR	10	22	3	ATCACG	GGAACT
CBC_MCAV_122	03/25/17	TR	25	22	2	TTAGGC	TTGACT
CBC_MCAV_123	03/25/17	TR	25	22	1	TGACCA	TACAAG
CBC_MCAV_124	03/25/17	TR	25	22	1	TGACCA	GCGGAC
CBC_MCAV_125	03/25/17	TR	25	22	1	TTAGGC	GCGGAC
CBC_MCAV_126	03/25/17	TR	25	22	2	ACTTGA	GTAGCC
CBC_MCAV_127	03/25/17	TR	25	22	1	GATCAG	GTAGCC
CBC_MCAV_128	03/25/17	TR	25	22	3	CGATGT	TACAAG
CBC_MCAV_129	03/25/17	TR	25	23	3	ACTTGA	TTGACT

CBC_MCAV_130	03/25/17	TR	25	22	3	ACTTGA	CTCTAC
CBC_MCAV_131	03/25/17	TR	25	22	2	ATCACG	GGAACT
CBC_MCAV_132	03/25/17	TR	25	22	1	TGACCA	TTTCAC
CBC_MCAV_133	03/25/17	TR	25	22	2	ACTTGA	GGAACT
CBC_MCAV_134	03/25/17	TR	25	22	1	CAGATC	TGACAT
CBC_MCAV_135	03/25/17	TR	25	22	3	ACTTGA	GGACGG
CBC_MCAV_136	03/25/17	TR	25	22	3	TGACCA	GGAACT
CBC_MCAV_137	03/27/17	TR	16	22	1	CAGATC	GTAGCC
CBC_MCAV_138	03/27/17	GR	35	23	3	TTAGGC	GGAACT
CBC_MCAV_139	03/27/17	GR	35	22	3	ATCACG	GGACGG
CBC_MCAV_140	03/27/17	GR	35	22	1	ATCACG	GGACGG
CBC_MCAV_141	03/27/17	GR	35	22	3	CAGATC	TTGACT
CBC_MCAV_142	03/27/17	GR	35	22	2	TGACCA	GGACGG
CBC_MCAV_143	03/27/17	GR	35	22	2	CGATGT	TACAAG
CBC_MCAV_144	03/27/17	GR	35	22	1	CAGATC	GCGGAC
CBC_MCAV_145	03/27/17	GR	25	22	3	GCCAAT	CTCTAC
CBC_MCAV_146	03/27/17	GR	25	22	3	TTAGGC	TACAAG
CBC_MCAV_147	03/27/17	GR	25	22	2	TTAGGC	CTCTAC
CBC_MCAV_148	03/27/17	GR	16	22	1	GCCAAT	GGACGG
CBC_MCAV_149	03/27/17	GR	16	26	3	ATCACG	TACAAG
CBC_MCAV_150	03/27/17	GR	16	22	2	CAGATC	TTTCAC
CBC_MCAV_151	03/27/17	GR	16	22	2	CAGATC	GTAGCC
CBC_MCAV_152	03/27/17	GR	10	22	3	ACAGTG	TGACAT
CBC_MCAV_153	03/27/17	GR	10	22	2	GCCAAT	GTAGCC
CBC_MCAV_154	03/25/17	GR	10	22	1	ACTTGA	TTTCAC
CBC_MCAV_155	03/27/17	GR	10	22	2	ACAGTG	GTAGCC
CBC_MCAV_156	03/27/17	TR	10	22	1	CGATGT	GCGGAC
CBC_MCAV_157	03/27/17	GR	10	24	2	ATCACG	GGCCAC
CBC_MCAV_158	03/27/17	GR	10	22	1	ACTTGA	TACAAG

CBC_MCAV_159	03/27/17	GR	10	22	2	ACTTGA	TACAAG
CBC_MCAV_160	03/27/17	GR	10	22	1	CGATGT	GGACGG
CBC_MCAV_161	03/27/17	GR	10	22	2	CGATGT	TTGACT
CBC_MCAV_162	03/27/17	GR	10	22	3	TTAGGC	GTAGCC
CBC_MCAV_163	03/27/17	GR	10	22	3	GCCAAT	GCGGAC
CBC_MCAV_164	03/27/17	GR	10	22	1	TTAGGC	GGAACT
CBC_MCAV_165	03/27/17	GR	10	22	3	ATCACG	TGACAT
CBC_MCAV_166	03/27/17	GR	10	22	1	ATCACG	GGCCAC
CBC_MCAV_167	03/27/17	GR	25	22	2	CGATGT	GGAACT
CBC_MCAV_168	03/27/17	GR	25	22	2	TTAGGC	GGACGG
CBC_MCAV_169	03/27/17	GR	25	24	2	CAGATC	CTCTAC
CBC_MCAV_170	03/27/17	GR	25	23	2	ACAGTG	GGAACT
CBC_MCAV_171	03/27/17	GR	25	24	1	CGATGT	GTAGCC
CBC_MCAV_172	03/27/17	GR	25	22	3	CAGATC	GGCCAC
CBC_MCAV_173	03/27/17	GR	25	22	2	ATCACG	GGACGG
CBC_MCAV_174	03/27/17	GR	25	22	2	ACAGTG	GCGGAC
CBC_MCAV_175	03/27/17	GR	25	24	2	TGACCA	GTAGCC
CBC_MCAV_176	03/27/17	GR	16	22	3	CGATGT	CTCTAC
CBC_MCAV_177	03/27/17	GR	16	22	3	ACTTGA	GTAGCC
CBC_MCAV_178	03/27/17	GR	16	24	1	ACAGTG	GGACGG
CBC_MCAV_179	03/27/17	GR	16	23	1	ACAGTG	TTGACT
CBC_MCAV_180	03/27/17	GR	16	28	2	ACAGTG	GGCCAC
CBC_MCAV_181	03/27/17	GR	16	22	3	TTAGGC	TTGACT
CBC_MCAV_182	03/27/17	GR	16	22	1	ACTTGA	CTCTAC
CBC_MCAV_183	03/27/17	GR	16	24	2	ACTTGA	CTCTAC
CBC_MCAV_184	03/27/17	GR	25	22	2	TTAGGC	TACAAG
CBC_MCAV_185	03/27/17	GR	25	24	1	CAGATC	TACAAG
CBC_MCAV_186	03/27/17	GR	25	24	2	TTAGGC	TGACAT
CBC_MCAV_187	03/27/17	GR	16	22	3	ATCACG	TTTCAC



CBC_MCAV_188	03/27/17	GR	16	22	3	TGACCA	TTGACT
CBC_MCAV_189	03/27/17	GR	16	24	3	TGACCA	GGCCAC
CBC_MCAV_190	03/27/17	GR	35	23	2	TGACCA	TTGACT
CBC_MCAV_191	03/27/17	GR	35	22	2	CAGATC	GCGGAC
CBC_MCAV_192	03/27/17	GR	35	22	2	TGACCA	TGACAT
CBC_MCAV_193	03/27/17	GR	35	22	2	ACTTGA	GCGGAC
CBC_MCAV_194	03/27/17	GR	35	22	3	CAGATC	TACAAG
CBC_MCAV_195	03/27/17	GR	35	22	3	CGATGT	GCGGAC
CBC_MCAV_196	03/27/17	GR	35	22	2	GCCAAT	GGAACT
CBC_MCAV_197	03/05/16	GR	35	22	1	CGATGT	TTTCAC
CBC_MCAV_198	03/05/16	SR	35	22	2	ACTTGA	TTGACT
CBC_MCAV_199	03/05/16	SR	35	24	3	ATCACG	GGCCAC
CBC_MCAV_200	03/05/16	SR	35	24	3	TTAGGC	GGCCAC
CBC_MCAV_201	03/05/16	SR	35	24	1	GCCAAT	TGACAT
CBC_MCAV_202	03/05/16	SR	35	28	2	GCCAAT	TTTCAC
CBC_MCAV_203	03/05/16	SR	35	22	3	ACAGTG	GGACGG
CBC_MCAV_204	03/05/16	SR	35	22	2	ACAGTG	TACAAG
CBC_MCAV_205	03/05/16	SR	35	24	2	TTAGGC	TTTCAC
CBC_MCAV_206	03/05/16	SR	35	24	2	ATCACG	TTGACT
CBC_MCAV_207	03/06/16	SR	35	24	1	ACAGTG	GGAACT
CBC_MCAV_208	03/05/16	SR	35	24	2	TGACCA	GGCCAC
CBC_MCAV_209	03/05/16	SR	35	28	3	GCCAAT	GGCCAC
CBC_MCAV_210	03/05/16	SR	35	23	3	TGACCA	GTAGCC
CBC_MCAV_211	03/06/16	RW	35	26	3	TGACCA	TACAAG
CBC_MCAV_212	03/06/16	RW	35	28	3	TTAGGC	CTCTAC
CBC_MCAV_213	03/06/16	RW	35	26	1	ATCACG	GGAACT
CBC_MCAV_214	03/06/16	RW	35	24	2	CGATGT	CTCTAC
CBC_MCAV_215	03/06/16	RW	35	28	3	CAGATC	GGAACT
CBC_MCAV_216	03/06/16	RW	35	28	1	ACAGTG	TACAAG

CBC_MCAV_217	03/06/16	RW	35	28	1	CGATGT	CTCTAC
CBC_MCAV_218	03/06/16	RW	35	22	1	GCCAAT	GGCCAC
CBC_MCAV_219	03/06/16	RW	35	28	3	TTAGGC	TGACAT
CBC_MCAV_220	03/06/16	RW	35	28	1	CAGATC	CTCTAC
CBC_MCAV_221	03/06/16	RW	35	27	2	GCCAAT	TTGACT
CBC_MCAV_222	03/06/16	RW	35	28	1	CGATGT	GGCCAC
CBC_MCAV_223	03/07/16	RW	35	28	1	TTAGGC	TGACAT
CBC_MCAV_224	03/06/16	RW	35	28	3	ACTTGA	TGACAT
CBC_MCAV_225	03/06/16	RW	35	28	3	ACAGTG	TTTCAC
CBC_MCAV_226	03/07/16	TR	35	28	3	TGACCA	GGACGG
CBC_MCAV_227	03/07/16	TR	35	28	1	TTAGGC	GGACGG
CBC_MCAV_228	03/07/16	TR	35	26	1	ACAGTG	TTTCAC
CBC_MCAV_229	03/07/16	TR	35	28	3	GCCAAT	GGACGG
CBC_MCAV_230	03/07/16	TR	35	22	3	ACAGTG	GGA ACT
CBC_MCAV_231	03/08/16	TR	35	28	1	CAGATC	GGACGG
CBC_MCAV_232	03/08/16	TR	35	25	2	GCCAAT	GGCCAC
CBC_MCAV_233	03/25/17	TR	35	28	1	TTAGGC	TTGACT
CBC_MCAV_234	03/08/16	TR	35	28	3	ACTTGA	TTTCAC
CBC_MCAV_235	03/08/16	TR	35	N/A	N/A	N/A	N/A
CBC_MCAV_236	03/08/16	TR	35	24	2	TTAGGC	GGA ACT
CBC_MCAV_237	03/08/16	TR	35	24	3	GCCAAT	G TAGCC
CBC_MCAV_238	03/08/16	TR	35	24	1	ATCACG	TACAAG
CBC_MCAV_239	03/08/16	TR	35	24	2	CAGATC	GGA ACT
CBC_MCAV_240	03/08/16	TR	35	24	1	ACTTGA	G TAGCC
CBC_MCAV_241	03/08/16	SR	35	24	3	CGATGT	GGA ACT
CBC_MCAV_242	03/08/16	SR	35	24	3	TTAGGC	GGACGG

**Supplementary Table S3.** Test results from permutational multivariate analysis of variance (PERMANOVA; 9,999 permutations) of Symbiodiniaceae *ITS2* type profiles from *M. cavernosa* colonies and pairwise comparisons between all depth zones (FDR corrected) without 35 m samples. Non-significant tests are listed as “ns”.

<b>Test</b>	<b>Comparison</b>	<b>Pseudo-<i>F</i></b>	<b><i>p</i>-value</b>
Overall	Depth	5.6348	0.0002
	Site	1.4764	ns
	Depth:Site	1.2106	ns
Depth	10 m vs 16 m	0.9838	ns
	10 m vs 25 m	9.0844	0.0006
	16 m vs 25 m	9.4051	0.0006