

Table S2. Coral samples included in the healthy- and disease-associated databases adapted from Mouchka et al. 2010*

Study	Domain	Method(s)	# of sequences per reef compartment			Coral spp. surveyed	What	Where	
			Coral						
			Healthy	Bleached	Diseased				
Allers et al. 2008	bacteria	16S rRNA surveys			22	Fungia	Mucus	Red Sea	
	archaea		13				ooocytes, eggs		
Aprill et al. 2009	bacteria	16S rRNA surveys	151			Pocillopora meandrina	planulae	Oahu	
Arotsker et al. 2009	bacteria	16S rRNA surveys	131						
	archaea	Cultivation-based survey	36			Favia	BBD/Vibrio	Red Sea, Eilat	
Ben-Dov et al. 2009	bacteria	Selected 16S rRNA survey of RFLP-selected OTUs**	2			Fungia granulosa	Mucus/culture	Red Sea	
	archaea	16S rRNA surveys	31						
Bourne et al. 2005	bacteria	Selected 16S rRNA survey of DGGE-selected OTUs	43						
	archaea	16S rRNA surveys	27		7	Pocillopora damicornis	Slurry	GBR	
Cervino et al. 2004	bacteria	Cultivation-based survey			4	Montastraea spp.	Mucus/ YBD	Bonaire/ Florida	
Chimetto et al. 2008	bacteria	Cultivation-based survey	95			Mussismilia hispida	culture/ Vibrio	Brazil	
	archaea	Selected 16S rRNA survey of ARDRA-selected OTUs	23		27	D. strigosa, M. annularis			
Cooney et al. 2002	bacteria	Selected 16S rRNA survey of DGGE-selected OTUs			10	C. natans	Core/ BBD	St. Croix, USVI	
Frias-Lopez et al. 2004	bacteria	Selected 16S rRNA survey of T-RFLP-selected OTUs			8	M. annularis and D. strigosa/ Porites lutea	tissue slurry/BBD	Curaçao/PNG- Indo-Pacific	
Garren et al. 2008	bacteria	16S rRNA surveys	48		89	Porites, Agaricia, Fungia	water/mucus/tissue	Phillipines	
Garren et al. 2009	bacteria	16S rRNA surveys	602		89	Porites cylindrica	water/mucus/tissue	Phillipines	
Ionescu et al. 2009	archaea	16S rRNA surveys			37	Archaea		Red Sea	
Jensen et al. 2008	bacteria	16S rRNA surveys			41	deep water reefs	sediment	deep water Norway reefs	
Kapely et al. 2007	bacteria	16S rRNA surveys	82			Porites spp.	mucus	Arabian Sea	
Kellogg et al. 2004	archaea	16S rRNA surveys	160			Diploria clivosa, Solenastrea sp. P. astrooides	mucus	Archaea/ Caribbean	
	archaea	16S rRNA surveys	508						
Kellogg et al. 2009	bacteria	Selected 16S rRNA survey of DGGE-selected OTUs	10			Lophelia pertusa	tissue/mucus/skeleton	Gulf of Mexico	
Klaus et al. 2007	bacteria	16S rRNA surveys	248			M. annularis	mucus/tissues/skeleton	Curaçao	
Kooperman et al. 2007	bacteria	16S rRNA surveys	125		22	Fungia granulosa	mucus	Red Sea	
Koren et al. 2006	bacteria	16S rRNA surveys	475			Oculina patagonica	mucus/tissues	Mediterranean	
Koren et al. 2008	bacteria	16S rRNA surveys	100	232		O. patagonica	bleached tissues	Mediterranean	
Lampert et al. 2008	bacteria	16S rRNA surveys	79			Fungia scutaria, Platygyra lamellina		Red Sea	
	archaea	16S rRNA surveys				Acropora tenuis	slurry	GBR	
Littman et al. 2009a	bacteria	16S rRNA surveys	329			A. tenuis, A. millepora juveniles	tissue	GBR	
Littman et al. 2009b	bacteria	16S rRNA surveys	155						
	archaea	Selected 16S rRNA survey of ARDRA-selected OTUs	32		44	M. annularis	mucus/tissue/skeleton	St. Croix USVI, Barbados	
Pantos et al. 2003	bacteria	Selected 16S rRNA survey of DGGE-selected OTUs	16		18		WP-like disease		
Pantos et al. 2006	bacteria	Selected 16S rRNA survey of ARDRA-selected OTUs	23		43	A. palmata - WBD	mucus/tissue/skeleton	Barbados	
	archaea	Cultivation-based survey	27						
Raina et al. 2009	bacteria	16S rRNA surveys	589		81	Montipora aequituberculata, A. millepora	water/tissues/mucus	GBR	
Reis et al. 2009	bacteria	16S rRNA surveys	232		143	221	Mussismilia braziliensis	mucus	Brazil
Ritchie et al. 2006	bacteria	Cultivation-based survey	34	21		33	Acropora palmata	mucus	Florida Keys
Sekar et al. 2006	bacteria	16S rRNA surveys	89		94	Siderastrea siderea BBD	BBD	Caribbean	
Siboni et al. 2008	archaea	16S rRNA surveys	212		69	Favia, Fungi, and Acanthastrea	Mucus	Red Sea	
Sunagawa et al. 2009	bacteria	16S rRNA surveys	317		340	M. faveolata WPD	mucus/tissues/skeleton	Panama/Puerto Rico	
Sussman et al. 2008	bacteria	Cultivation-based survey			23	White syndrome corals	mucus/tissue/skeleton	Palau/GBR/Marshall Islands	
Yakimov et al. 2006	bacteria	Selected 16S rRNA survey of RFLP-selected OTUs	12			Archaea	mucus/tissues/skeleton	Mediterranean	
Total number of sequences			5056	253	754	711			

*[Adapted from] Mouchka ME, Hewson I, Harvell CD. 2010. Coral-associated bacterial assemblages: current knowledge and the potential for climate-driven impacts. Integ. Compar. Biol. 50:662-674, by permission of Oxford University Press