

Table S3. Genbank accession numbers for sequences concatenated with Phylocatenator into the data set used to build the species tree. Note that some taxa listed in this table were removed in downstream analysis.

Species	1	2	3	4	5
Partition:	12S	16S	18S	28S	COI
Model:	GTR	GTR	GTR	GTR	GTR
Abietinaria_abietina		AY787898.1	FJ550554.1	FJ550411.1	
Abietinaria_filicula		FJ550485.1	EU272600.1	FJ550412.1	
Abyssoprimnoa_gemina		KX384626.1	KX384618.1		
Acanthogorgia_granulata			FJ643593.1		FJ264903.1
Acanthogorgia_sp		FJ389253.1	FJ389259.1	FJ642927.1	FJ264902.1
Acanthopathes_thyoides		FJ376986.1	FJ389896.1	FJ626238.1	FJ381654.1
Acraspedanthus_ferax	KC700002.1		KC700005.1		
Acraspedanthus_sp	KC700001.1	KC700003.1	KC700004.1		
Acromitus_sp		JX845346.1	HM194780.1		EU363347.1
Acropora_cervicornis	EF597094.1				AY451340.1
Acropora_cytherea	AF333054.1	L75995.1			
Acropora_digitifera	AF333051.1				LC029006.1
Acropora_formosa	AF177042.1				JQ920462.1
Acropora_humilis	NC022823.1	L75996.1			NC022823.1
Acropora_hyacinthus	AF333053.1				LC187992.1
Acropora_palifera	AF333047.1	AF265593.1			
Acropora_palmata	EF597092.1				AY451341.1
Acropora_robusta	JQ347837.1	JQ347814.1			JQ920461.1
Acropora_sp	JQ347838.1	JQ347815.1	KP774815.1		JQ920466.1
Acrozoanthus_australiae		HM171918.1			HM171912.1
Acrozoanthus_sp	AY995919.1	AY995946.1			
Actinauge_richardi	EU190719.1	EU190761.1	EU190850.1	KJ483055.1	
Actinernus_elongatus	KJ482930.1	KJ482966.1	KJ483023.1	KJ483126.1	
Actinia_fragacea	EU190714.1	EU190756.1	EU190845.1	KJ483085.1	
Actinia_tenebrosa	KT852045.1	KT852111.1	KT852174.1		
Actinoscyphia_plebeia	EU190712.1	EU190754.1	FJ489437.1	KJ483067.1	
Actinostephanus_haeckeli	KJ482936.1	EU190762.1			
Actinostola_crassicornis		EU190753.1	EU190843.1	KJ483098.1	
Actinostola_georgiana	KJ482928.1	KJ482952.1	KJ483032.1	KJ483099.1	
Actinothoe_sphyrodeta	FJ489401.1	FJ489421.1	FJ489440.1		
Actinotryx_sanctithomae		EF589056.1	EF589070.1		
Adamsia_palliata	FJ489398.1	FJ489419.1	FJ489436.1	KJ483101.1	
Adelopora_crassilabrum		EU645356.1	EU272642.1	EU272541.1	
Adelopora_sp		EU645354.1	EU645474.1		
Aegina_citrea			AF358058.1	AY920789.1	
Aeginura_grimaldii		KJ866195.1			GQ120081.1
Aequorea_aequorea		AY512518.1	AF358076.1	EU305505.1	

Aequorea_australis		JQ716011.1	KF962200.1		KF962054.1
Aequorea_conica		JQ715988.1			JQ353764.1
Aequorea_papillata		JQ716033.1			JQ716056.1
Aequorea_sp		KT982731.1			JQ353725.1
Aequorea_victoria		EU305469.1	AF358077.1	AY920799.1	
Agalma_clausi		AY935270.1	AY937312.1		
Agalma_elegans		AY935271.1	AY937340.1	EU272542.1	AY937363.1
Agalma_okeni		AY935272.1	AY937314.1		GQ119944.1
Agaricia_agaricites	EF597080.1				AF112120.1
Agaricia_fragilis	EF597077.1				AY451368.1
Agaricia_humilis	EF597082.1				AB441219.1
Agaricia_lamarcki	EF597076.1				AY451369.1
Agaricia_tenuifolia	EF597081.1				AY451370.1
Aglantha_digitale		EU999230.1	EU247821.1	AY920791.1	
Aglaophenia_elongata		FJ550508.1	FJ550593.1	FJ550450.1	
Aglaophenia_harpago		FJ550506.1	FJ550592.1	FJ550449.1	
Aglaophenia_octodonta		DQ855915.1	FJ550541.1	FJ550397.1	
Aglaophenia_pluma		JN560132.1	FJ550542.1	FJ550398.1	
Aglaophenia_rhynchocarpa		KT266601.1	KT722382.1	KT757157.1	
Aglaophenia_tubiformis		AY787914.1	EU272601.1	EU272543.1	
Aglaura_hemistoma			EU247818.1	EU247803.1	GQ120074.1
Aglauropsis_aeora		EU293973.1	AY920754.1	AY920793.1	
Aiptasia_couchii	KP761205.1	KP761246.1	KP761299.1		
Aiptasia_mutabilis	FJ489408.1	KP761256.1	FJ489438.1	KJ483115.1	
Aiptasia_pulchella	EU190715.1	AY345875.1	EU190846.1		
Aiptasiogeton_hyalinus		KP761257.1	KR704268.1		
Alaskagorgia_aleutiana			KF856014.1		FJ264907.1
Alatina_mordens		GQ506986.1	GQ849082.1	GQ849058.1	
Alcyonium_sp		U40297.1			GU355951.1
Alicia_mirabilis	KP761213.1		KP761310.1	KP761329.1	
Alicia_sansibarensis	KP761214.1	KJ482953.1	KP761309.1	KP761328.1	
Allantactis_parasitica	FJ489399.1	FJ489420.1	FJ489439.1	KJ483056.1	
Alveopora_sp	EF597088.1	AF265592.1			AB907090.1
Alvinactis_chessi	GU473278.1	GU473296.1	GU473312.1		
Amphianthus_sp	FJ489413.1	FJ489432.1	FJ489450.1		
Amphimedon_queenslandica	DQ915601.1	DQ915601.1	EF654521.1	EF654518.1	DQ915601.1_3309-4901
Amphinema_dinema		JQ715888.1			JQ716057.1
Amphinema_sp		JX965912.1			JX965906.1
Amphisbetia_minima		AY787903.1	FJ550556.1	FJ550413.1	
Amphisbetia_operculata		FJ550489.1	FJ550561.1	FJ550418.1	

Amphogona_apicata		EU293994.1		EU247801.1	
Amplexidiscus_fenestrafer	KP315997.1	EF589053.1	EF589071.1		AB441267.1
Anacropora_sp	AF333046.1	L75992.1			
Andvakia_boniensis	EU190717.1		EU190848.1	KJ483053.1	
Andvakia_discipulorum	GU473273.1	GU473287.1	GU473316.1		
Anemonia_viridis	EU190718.1	EU190760.1	EU190849.1	KJ483095.1	
Antarctoscyphus_spiralis			KT722384.1	KT757141.1	
Antennella_ansini		FJ550470.1	FJ550533.1	FJ550388.1	
Antennella_kiwiana		DQ855918.1	FJ550534.1	FJ550389.1	
Antennella_secundaria		FJ550467.1	FJ550575.1	FJ550432.1	
Anthemiphyllia_spinifera	EF597038.1	AF265596.1			
Anthohebella_parasitica		AY787918.1	EU272603.1	EU272545.1	
Antholoba_achates	GU473269.1	GU473284.1	GU473301.1	KJ483128.1	
Anthomastus_ritteri		GQ377455.1			JX203824.1
Anthopleura_artemisia	KT852015.1	KT852081.1	KT852148.1		
Anthopleura_atodai	KT851993.1	KT852055.1	KT852123.1	KT852247.1	
Anthopleura_elegantissima	EU190713.1	U40292.1	EU190844.1	KJ483104.1	KM611880.1
Anthopleura_handi	KT852013.1		KT852146.1		
Anthopleura_krebsi	EU190716.1	EU190758.1	EU190847.1		
Anthopleura_kurogane	EU190737.1	EU190783.1			
Anthopleura_rosea	KT852039.1	KT852104.1	KT852168.1		
Anthosactis_janmayeni	KJ482938.1	GU473292.1	GU473308.1	KJ483091.1	
Anthosactis_pearseae	EU190751.1	EU190798.1	EU190878.1		
Anthostella_stephensoni	JQ810719.1	JQ810721.1		KJ483132.1	
Anthothela_nuttingi		U40298.1	AF052922.1		FJ264908.1
Anthothoe_chilensis	FJ489397.1	FJ489416.1	FJ489434.1		
Antillogorgia_bipinnata			KJ411642.1	KJ411643.1	GQ342423.1
Antipathes_atlantica		FJ376985.1	FJ389895.1	FJ626239.1	FJ381652.1
Antipathes_galapagensis			AF100943.1	AY026365.1	
Antipathes_griggi		FJ376997.1	FJ389904.1	FJ429304.1	FJ381661.1
Antipathozoanthus_macaronesicus		HM130467.1	KC218411.1		
Antipodactis_awii	GU473271.1		GU473303.1	KJ483074.1	
Aphanipathes_verticillata			KF054359.1	KF054361.1	KF054457.1
Apolemia_lanosa		KF214712.1	KF214714.1		KF214718.1
Apolemia_rubrivorsa		KF214713.1	KF214715.1		KF214719.1
Apolemia_sp		AY935289.1	AY937332.1	EU272546.1	AY937365.1
Armadillologorgia_sp			KP324691.1		KP677971.1
Arntzia_gracilis			KP324644.1		KP677919.1
Astreopora_myriophthalma	AF177046.1				AB441253.1
Astreopora_sp	EF597095.1	AF265591.1			AB907076.1
Astrohydra_japonica		EU293975.1		AY920794.1	

Asyncoryne_ryniensis		EU876552.1	EU876578.1	GQ424289.1	
Athorybia_rosacea		AY935310.1	AY937352.1		AY937364.1
Atolla_vanhoeffeni			JX393273.1	AY026368.1	GQ120085.1
Atolla_wyvillei			JX393274.1		GQ120088.1
Auerbachia_pulchra			DQ377703.1	FJ417047.1	
Aulactinia_incubans	KT852014.1	KT852080.1	KT852147.1	KT852256.1	
Aulactinia_marplatensis	KT851999.1	KT852061.1	KT852129.1		
Aulactinia_sp	KT310187.1	KT310197.1	KT852164.1		
Aulactinia_stella	KT852044.1	KT310200.1	KT852173.1	KT852263.1	
Aulactinia_vancouverensis	KT852019.1	KT852085.1	KT852151.1		
Aulactinia_veratra	KT852001.1	KT852063.1	KT852131.1		
Aulactinia_verrucosa	EU190723.1	EU190766.1	EU190854.1	KJ483084.1	
Aurelia_aurita	HQ694729.1	KP144282.1	JX393275.1		HQ694729.1
Aurelia_labiata		JX393253.1	JX393278.1		
Aurelia_limbata		JX393254.1	JX393277.1		
Aurelia_sp		KT982715.1	AY920770.1	EU276014.1	AY903096.1
Balanophyllia_regia	EF597047.1	AF265587.1			
Balanophyllia_sp	EF597048.1				HM018606.1
Bargmannia_amoena		AY935292.1	AY937333.1		
Bargmannia_elongata		AY935321.1	AY937334.1		
Bartholomea_annulata	EU190721.1	KR186046.1	EU190851.1	KJ483068.1	
Bathypathes_patula			KF054355.1	KF054362.1	KF054369.1
Bathypathes_sp			AF052901.1		GQ200621.1
BathypHELLIA_australis	FJ489402.1	FJ489422.1	EF589063.1		
Bellactis_ilkalyseae		KR186036.1	KR186052.1		
Billardia_subrufa		KT266603.1	KT722385.1	KT757130.1	
Bimeria_vestita		KT266604.1	EU272605.1	EU272548.1	
Blackfordia_polytentaculata		JQ715950.1			JQ716117.1
Blackfordia_virginica		KC507371.1	AF358078.1	KT757145.1	KC507385.1
Bolocera_kerguelensis	KJ482925.1	KJ482965.1	KJ483029.1	KJ483133.1	
Boloceroides_mcmurrici	GU473270.1	EU190764.1	EU190852.1	KJ483103.1	
Bonneviella_regia		AY789805.1	AY789740.1		AY789890.1
Bonneviella_sp		AY789808.1	AY789742.1		AY789891.1
Botrynema_brucei			EU247822.1	EU247798.1	GQ120075.1
Bougainvillia_carolinensis			EU272606.1	EU272549.1	
Bougainvillia_fulva		EU305470.1	EU305490.1	EU305507.1	
Bougainvillia_musculus		EU999220.1	KT722388.1	FJ550439.1	KT981907.1
Bougainvillia_sp		KF962413.1	KF962204.1	KF962316.1	KC440116.1
Bougainvillia_triestina		KJ660344.1	KJ660341.1		KJ660340.1
Bouillonactinia_carcinicola			JQ407370.1	JQ410725.1	

Bouillonactinia_hooperi			JQ407395.1	JQ410726.1	
Branchiocerianthus_imperator			JN594046.2	JN594035.2	JX121580.1
Briareum_asbestinum			KF992837.1	KF992839.1	GQ342405.1
Brinckmannia_hexactinellidophila			EU272607.1	EU272550.1	
Buddenbrockia_plumatellae			AY074914.1	FJ981817.1	
Bullagummizoanthus_emilyacadiaarum		KC218434.1	KC218403.1		KC218390.1
Bunodactis_reynaudi	KT852041.1	KT852106.1	KT852170.1	KT852260.1	
Bunodosoma_grandis	EU190722.1	EU190765.1	EU190853.1	KJ483083.1	
Cactosoma_sp	GU473279.1	GU473297.1	GU473313.1		
Calcigorgia_sp			FJ389255.1	FJ642928.1	
Calliactis_japonica	FJ489403.1	FJ489423.1	FJ489441.1	KJ483057.1	
Calliactis_parasitica	EU190711.1	EU190752.1	EU190842.1	KJ483102.1	
Calliactis_polypus	FJ489404.1	FJ489424.1	FJ489445.1	KJ483058.1	
Calliactis_tricolor	FJ489405.1	FJ489425.1	FJ489443.1	KJ483059.1	
Callogorgia_sp			KP324656.1		KP677952.1
Calvadosia_campanulata		KU257508.1	KU308570.1		KU257483.1
Calvadosia_corbini		KU257502.1	KU308565.1	KU308596.1	
Calvadosia_cruciformis		KU257514.1	KU308576.1	KU308608.1	KU257487.1
Calvadosia_cruxmelitensis		KU257509.1	KU308571.1	KU308604.1	KU257484.1
Calvadosia_sp		KU257518.1	KU308584.1	KU308612.1	KU257490.1
Calvadosia_vanhoeffeni		KU257511.1	KU308573.1	KU308605.1	KU257485.1
Calycella_syringa		FJ550460.1	FJ550519.1	FJ550372.1	AY789916.1
Calyptopora_sinuosa		EU645296.1	EU645434.1		
Calyptopora_sp		EU645298.1	EU645435.1		
Calyptrophora_microdentata		FJ526211.1	FJ358840.1		FJ268634.1
Calyptrophora_persephone		KX384627.1	KX384619.1		
Calyptrophora_wyvillei			HM590863.1		GQ868317.1
Campanularia_hincksii		KP776784.1	AY789729.1		AY789882.1
Campanularia_sp		KM405572.1	KT722389.1		KM405570.1
Campanularia_subantarctica		KM405575.1			KM405568.1
Campanularia_volubilis		AY789804.1	AY789739.1		AY789889.1
Campanulina_panicula		FJ550511.1	FJ550596.1	FJ550452.1	
Candelabrum_cocksii		EU876529.1	AY920758.1	AY920796.1	GU812438.1
Candelabrum_sp		EU876530.1	EU876557.1		JX121579.1
Capnea_georgiana		KJ482951.1	KJ483022.1		
Carukia_barnesi		GQ849098.1	AF358107.1	GQ849059.1	
Carybdea_arborifera		GQ849096.1	GQ849091.1	GQ849068.1	
Carybdea_branchi			GQ849089.1	GQ849066.1	
Carybdea_marsupialis		AF360118.1	AF358106.1	GQ849072.1	
Carybdea_mora		GQ849125.1	GQ849093.1	GQ849069.1	
Carybdea_rastonii		GQ849112.1	AF358108.1	AY920787.1	

Carybdea_sp		GQ849117.1	GQ849094.1	GQ849071.1	
Carybdea_xaymacana		GQ849115.1	GQ849090.1	GQ849067.1	JN700978.1
Caryophyllia_inornata	EF597042.1	AF265599.1			
Cassiopea_andromeda			HM194818.1		AB563739.1
Cassiopea_ornata			HM194785.1		KF683387.1
Cassiopea_sp		U19374.1	AF099675.1		GQ120100.1
Cassiopea_xamachana			AY920771.1		AY319463.1
Catalaphyllia_jardinei	EF596997.1	L76000.1			
Catostylus_mosaicus			HM194779.1		AY737184.1
Catostylus_sp		KT982718.1	AF358100.1	AY920777.1	
Caulastraea_furcata	EF597035.1	L75997.1			HQ203248.1
Ceratomyxa_shasta			GQ358729.1	FJ981818.1	
Ceratomyxa_sp			JF820292.1	FJ417048.1	
Cereus_herpetodes	JF832956.1	JF832969.1	JF832983.1		
Cereus_pedunculatus	EU190724.1	EU190767.1	EU190855.1		
Ceriantheomorphe_brasiliensis			AB859823.1	AB859831.1	JF915195.1
Ceriantheopsis_americana			AF052898.1		AB859839.1
Cerianthus_membranaceus			AB859824.1		AB859843.1
Charisea_saxicola	KT852020.1	KT852086.1	KT852152.1		
Chirodropida_sp		KT982729.1	LC033480.1		
Chirodropidae_sp		GQ849104.1	GQ849077.1	GQ849054.1	
Chironex_fleckeri		GQ849102.1	AF358104.1	GQ849051.1	JN700964.1
Chironex_sp		KT982724.1			KT223648.1
Chironex_yamaguchii			GQ849076.1	GQ849053.1	
Chiropsalmus_quadrumanus		GQ849110.1	GQ849081.1	GQ849055.1	JN700970.1
Chiropsalmus_sp			AF358103.1	AY920786.1	
Chloromyxum_leydigi			AY604199.1	FJ417055.1	
Chondrophellia_sp	FJ489406.1	FJ489426.1	FJ489444.1		
Chrysaora_fuscescens		JX393256.1	HM194815.1		
Chrysaora_helvola		JX393257.1	JX393280.1		
Chrysaora_hysoscella		KM651804.1			KM651796.1
Chrysaora_melanaster		JX393258.1	HM194811.1	AY920780.1	KJ026148.1
Chrysaora_quinquecirrha		JX393259.1	JX393282.1		KP187616.1
Chrysaora_sp		KT982711.1	AY920769.1	AY920779.1	EU439431.1
Chrysogorgia_chryseis		U40306.1	AF052913.1		GQ868308.1
Chrysogorgia_monticola			JN227961.1		JN227955.1
Chrysogorgia_pinnata			JN227960.1		JN227956.1
Chrysogorgia_sp		FJ526209.1	FJ358835.1		FJ268640.1
Chrysogorgiidae_sp			KP324722.1		KP678004.1
Chuniphyes_multidentata			AY937335.1		GQ119964.1

Cirripathes_anguina			FJ389905.1	FJ626243.1	FJ381662.1
Cladocarpus_integer		FJ550512.1	FJ550597.1	FJ550453.1	
Cladocora_caespitosa	EF597017.1	AF265612.1			KR297263.1
Cladocoryne_floccosa		KT266607.1	EU272608.1	EU272551.1	
Cladonema_radiatum		KP776805.1		GQ424290.1	
Clausophyes_ovata			AY937336.1	EU305508.1	JX121606.1
Clausophyid_sp		AY935305.1	AY937347.1		
Clava_multicornis		FJ214442.1	EU272609.1	JQ410722.1	KT981914.1
Clavactinia_gallensis		EU448101.1	JQ407373.1	JQ410728.1	
Clavactinia_serrata			JQ407376.1	JQ410729.1	
Clavularia_rudis			FJ389266.1		FJ264909.1
Clavularia_sp			AF052938.1		JX203834.1
Clytia_elsaeoswaldae		DQ064793.1	DQ064796.1		DQ064800.1
Clytia_folleata		KF962422.1	KF962213.1		KF962081.1
Clytia_gracilis		DQ068063.1	AY789749.1		AY789898.1
Clytia_hemisphaerica		EU999221.1	FJ550601.1	FJ550457.1	JQ353729.1
Clytia_hummelincki		AY346363.1	AY789744.1		AY789894.1
Clytia_linearis		AY346362.1	DQ064794.1		AY789897.1
Clytia_noliformis		DQ064792.1	EU272611.1	EU272554.1	
Clytia_paulensis		AY346361.1	AY789746.1		AY789896.1
Clytia_sp		KF962433.1	KF962238.1	KF962323.1	AY789903.1
Clytia_xiamenensis		JQ716037.1	KF962252.1	KF962343.1	JQ716198.1
Cnidoscyphus_marginatus		FJ550495.1	FJ550573.1	FJ550430.1	
Codonium_proliferum		KP776763.1			KC440095.1
Colpophyllia_natans	EF596998.1				AY451346.1
Conopora_anthohelia		EU645268.1	EU645429.1	EU305509.1	
Conopora_candelabrum		EU645275.1	EU645432.1		
Conopora_sp		EU645276.1	EU645430.1		
Convexella_magelhaenica			KP324690.1		KP677970.1
Convexella_sp			KP324708.1		KP677991.1
Copula_sivickisi		GQ849113.1	GQ849087.1	GQ849064.1	
Corallimorphus_pilatus		EF589060.1	EF589066.1		
Corallimorphus_profundus	KJ482941.1	KJ482972.1	KJ483027.1	KJ483129.1	
Corallium_ducale		U40300.1			JX472108.1
Corallium_kishinouyei		U40313.1	AF052918.1		FJ264896.1
Corallium_niobe		FJ389250.1	FJ643592.1		KC788233.1
Corallium_sp			AF052919.1		KC788230.1
Corallizoanthus_tsukaharai		EU035626.1	KC218410.1		KC218396.1
Cordagalma_cordiforme		AY935275.1	AY937317.1	EU272555.1	AY937366.1
Cordylophora_caspia		KC489508.1	EU272612.1	EU272556.1	KC489509.1
Cordylophora_sp		EF540812.1			EF540778.1

Corydendrium_sp			EU272613.1	EU272557.1	
Corymorpha_bigelowi		EU448099.1	EU876564.1	EU272563.1	JQ353731.1
Corymorpha_glacialis			JN594047.2	JN594036.2	JX121584.1
Corymorpha_groenlandica			JN594048.2	JN594037.2	
Corymorpha_intermedia		EU876531.1	AY920759.1	EU879930.1	GU812436.1
Corymorpha_nutans		EU876532.1	EU876558.1	EU879931.1	GQ120054.1
Corymorpha_pendula		EU448098.1	EU305494.1	EU879936.1	
Corymorpha_sarsii		KP776787.1	JN594049.2	JN594038.2	
Corynactis_californica		EF589059.1	EF589064.1		AB441256.1
Corynactis_viridis	EF597099.1	EF589058.1	EF589065.1	KJ483041.1	
Coryne_cliffordi		GQ395313.1	GQ424324.1	GQ424294.1	
Coryne_epizoica		GQ395314.1		GQ424295.1	
Coryne_eximia		KP776758.1	GQ424325.1		KT981902.1
Coryne_muscoides		KP776757.1	GQ424328.1	GQ424298.1	
Coryne_nipponica		GQ395316.1	EU448096.1	GQ424299.1	
Coryne_pintneri		AY512542.1	GQ424330.1	GQ424300.1	
Coryne_producta		AY512543.1	GQ424331.1	GQ424301.1	
Coryne_prolifera		GQ395318.1		GQ424302.1	
Coryne_pusilla		AY787874.1		GQ424304.1	KT981904.1
Coryne_sp		KP776786.1			KF962104.1
Coryne_uchidai		KP776809.1	GQ424332.1	GQ424306.1	
Coscinaraea_sp	EF596992.1	L76001.1			
Crambionella_orsini			HM194776.1		EU363344.1
Craseoa_lathetica		AY935297.1	AY937339.1		
Craspedacusta_sinensis		AY512507.1	EU247815.1		
Craspedacusta_sowerbyi		EU293971.1	FJ897540.1		FJ423613.1
Crassostrea_gigas	EU672831.1	EU672831.1	AB064942.1		EU672831.1_1-1617
Craterolophus_convolvulus		JX393269.1	AY845344.1	AY920781.1	KU257472.1
Cricophorus_nutrix		KT852066.1	KT852134.1		
Crispatotrochus_rugosus	EF597041.1	AF265600.1			
Crossota_rufobrunnea		EU293987.1	EU247824.1	EU247799.1	
Crypthelia_cryptotrema		EU645281.1	EU272641.1	EU272558.1	
Crypthelia_trophostega		EU645278.1	EU645433.1		
Ctenocella_schmitti		FJ358832.1	FJ526217.1		FJ268628.1
Cyananthea_hourdezi	GU473275.1	GU473293.1	GU473309.1	KJ483081.1	
Cyanea_capillata		KM114282.1	KM280874.1		AY902911.1
Cyanea_nozakii		JX845345.1	KT445894.1		JQ353734.1
Cyanea_sp		JX393222.1	KM280872.1		GQ120092.1
Cyclohelia_lamellata		EU645353.1	EU645473.1		
Cyphastrea_ocellina	EF596996.1	L76132.1			

Cytaeis_sp		KR233812.1	KR233813.1		KT326191.1
Dactylanthus_antarcticus	GU473272.1	AY345877.1	AF052896.1	KJ483086.1	
Dasystenella_acanthina			KP324706.1		KP677925.1
Dasystenella_austasensis			KP324638.1		KP677909.1
Dendrobathypathes_boutillieri		FJ376992.1	FJ389900.1	FJ626236.1	FJ381651.1
Dendrogyra_cylindrus	EF597024.1				AB117299.1
Dendronephthya_sinaiensis			KF992836.1	KF992838.1	GQ342433.1
Dendronephthya_sp			KT900333.1		KF955059.1
Dendropathes_bacotaylorae			KF054360.1	KF054366.1	JX560760.1
Dendrophyllia_sp		JX629248.1			AB441239.1
Dentitheca_bidentata		DQ855942.1	KT722390.1	KT757143.1	
Depastromorpha_africana		AY845341.1	AY845347.1	KU308587.1	KU257474.1
Depastromorpha_sp		KU257516.1	KU308578.1	KU308610.1	KU257489.1
Desmophyllum_dianthus	GQ868666.1	GQ868690.1			JQ611362.1
Desmophyllum_pertusum		AF550367.1			JQ611389.1
Diadumene_cincta	EU190725.1	EU190769.1	EU190856.1	KJ483106.1	
Diadumene_leucolena	JF832957.1	JF832977.1	JF832986.1		KT959395.1
Diadumene_sp	JF832960.1	JF832976.1	KF962257.1	KJ483130.1	
Dichocoenia_stokesi	EF597021.1	AF265607.1			AY451360.1
Dicoryne_conybearei			EU272614.1	EU272559.1	
Digitogorgia_kuekenthali			KP324707.1		KP677990.1
Diphasia_fallax		AY787901.1	EU305491.1	EU305511.1	
Diploria_clivosa	EF597001.1				AB117226.1
Diploria_labyrinthiformis	EF597002.1				AY451348.1
Diploria_strigosa	EF597003.1				AF108716.1
Dipurena_gemmifera		EU876547.1	EU876573.1	EU879945.1	
Dipurena_halterata			EU883544.1	EU883550.1	
Dipurena_ophiogaster		EU305473.1	GQ424335.1	GQ424307.1	
Dipurena_reesi		GQ395321.1	GQ424334.1	GQ424308.1	
Discosoma_neglecta		EF589052.1	EF589068.1		
Discosoma_nummiforme		EF589051.1	EF589069.1		AB441266.1
Discosoma_sp			AF052894.1		AB441269.1
Distichopora_anceps		EU645341.1	EU645465.1		
Distichopora_asulcata		EU645343.1	EU645467.1		
Distichopora_borealis		EU645342.1	EU645466.1		
Distichopora_irregularis		EU645344.1	EU645468.1		
Distichopora_robusta		EU645339.1	EU645464.1		
Distichopora_sp		EU645350.1	EU645469.1		
Distichopora_violacea		EU645349.1	EU645470.1		
Drymonema_dalmatinum		HQ234629.1	HQ234657.1		
Drymonema_larsoni		HQ234625.1	HQ234655.1		HQ234610.1

Dynamena_crisioides		KT266609.1	KT722391.1	KT757177.1	
Dynamena_pumila		AY787902.1	FJ550558.1	FJ550415.1	
Echinophyllia_orpheensis	AF333065.1				AB117253.1
Echinopora_lamellosa	EF597052.1	AF265586.1			FJ345419.1
Ectopleura_crocea		EU883543.1	EU876559.1	EU883554.1	JX121589.1
Ectopleura_dumortierii		EU305474.1	EU876560.1	EU879933.1	KC440096.1
Ectopleura_larynx		KT266611.1	KT722392.1	EU879943.1	GU812435.1
Ectopleura_marina		EU883542.1	EU883547.1	EU883553.1	JX121592.1
Ectopleura_obypa		KT266612.1	KT722393.1	KT757156.1	
Ectopleura_wrighti		AY512524.1	JN594055.2	JN594044.2	JX121593.1
Edwardsia_elegans	EU190726.1	EU190770.1	AF254376.2	KJ483087.1	
Edwardsia_japonica	GU473274.1	GU473288.1	GU473304.1		
Edwardsia_timida	GU473281.1	GU473299.1	GU473315.1	KJ483088.1	
Edwardsianthus_gilbertensis	EU190728.1	EU190772.1	EU190859.1		
Edwardsiidae_sp	GQ464973.1	GQ464875.1			
Eirene_brevistylus		JQ715961.1	KF962258.1	KF962351.1	KF962116.1
Eirene_ceylonensis		JQ715970.1	FJ418669.1		HM053526.1
Eirene_hexanemalis		FJ418648.1			JQ716147.1
Eirene_kambara		KF962464.1	KF962267.1	KF962355.1	KF962121.1
Eirene_lacteoides		FJ418650.1	FJ418671.1		
Eirene_menoni		JQ715976.1	FJ418672.1		JQ716132.1
Eirene_pyramidalis		FJ418652.1	FJ418673.1		JQ716144.1
Eirene_viridula		FJ550502.1	FJ550588.1	FJ550445.1	KC440010.1
Elatopathes_abietina		FJ376989.1	FJ389894.1	FJ626233.1	FJ381653.1
Eleutheria_dichotoma		KP776766.1	GQ424321.1		
Eleutherobia_aurea		GQ377454.1		GQ377456.1	
Ellisella_sp		FJ626229.1	FJ642933.1		FJ642932.1
Enallopsammia_rostrata		U40294.1	AF052885.1		HM018632.1
Enteromyxum_leei			LC155258.1	FJ428227.1	
Epiactis_australiensis	KT852000.1	KT852062.1	KT852130.1		
Epiactis_fernaldi	KT852005.1	KT852068.1	KT852136.1	KT852252.1	
Epiactis_georgiana	KT852007.1	KT852070.1	KT852138.1	KT852254.1	
Epiactis_handi	KT852009.1	KT852072.1	KT852172.1	KT852262.1	
Epiactis_japonica	KT852048.1	KT310205.1	KT852171.1		
Epiactis_lisbethae	KT852006.1	EU190771.1	KT852137.1	KT852259.1	
Epiactis_prolifera	KT852038.1	KT852071.1	KT852119.1	KT852246.1	
Epiactis_ritteri	KT852022.1	KT852088.1	KT852124.1		
Epiactis_thompsoni	KT852011.1	KT852073.1	KT852141.1		
Epizoanthus_arenaceus		AY995926.1	KC218428.1		AB247348.1
Epizoanthus_californicus	GQ464957.1	GQ464860.1			

Epizoanthus_couchii		AB247343.1	KC218429.1		
Epizoanthus_cutressi	GQ464950.1	EU828759.1			
Epizoanthus_fiordicus		EF687814.1			EF672674.1
Epizoanthus_illoricatus	AY995901.1	AY995929.1	KC218424.1		AB247349.1
Epizoanthus_incrustatus	GQ464962.1	GQ464865.1			
Epizoanthus_lindhali		EF687816.1	KC218426.1		EF672677.1
Epizoanthus_minutus	GQ464958.1	GQ464861.1			
Epizoanthus_paguricola	AY995902.1	AY995928.1	KC218427.1	KJ483042.1	AB247347.1
Epizoanthus_patagonichus	GQ464956.1	GQ464859.1			
Epizoanthus_scotinus	GQ464967.1	GQ464870.1	KC218425.1	KJ483043.1	
Epizoanthus_sp	GQ464963.1	GQ464863.1			EF672676.1
Epizoanthus_vagus	AY995904.1	AY995927.1			
Erenna_sp		AY935319.1	AY937361.1	EU305512.1	GQ119976.1
Errinopora_nanneca		JN572403.1	EU645475.1		
Erythropodium_caribaeorum			AF052915.1		GQ342401.1
Eucheilota_bakeri		AY789831.1	AY789774.1		
Eucheilota_maculata		FJ550501.1	KT722394.1	KT757148.1	KC440060.1
Eucheilota_menoni		FJ550493.1	FJ550570.1	FJ550427.1	KT981899.1
Eucheilota_sp		KF962468.1	KF962269.1	KF962358.1	KF962126.1
Eudendrium_californicum		EU305475.1	EU305492.1	EU305513.1	
Eudendrium_capillare		EU305476.1		EU305514.1	JX121602.1
Eudendrium_caraiuru			KT722395.1	KT757160.1	
Eudendrium_carneum		KT266614.1	KT722396.1	KT757158.1	
Eudendrium_glomeratum		KP776750.1	KT722397.1	KT757162.1	
Eudendrium_racemosum		KP776820.1	AF358094.1	EU272562.1	JN109192.1
Eugymnanthea_inquilina		AY285164.1	AY789775.1		AY789915.1
Eugymnanthea_japonica		AY285162.1	FJ418674.1		JQ716171.1
Euphyllia_ancora	EF597098.1	AF265598.1			AB441204.1
Euphysa_aurata		EU876536.1	EU876562.1	EU879934.1	JX121587.1
Euphysa_japonica		KP776802.1	EU301605.1	JX122505.1	JX121577.1
Euphysa_tentaculata		EU876537.1	EU876563.1	EU879935.1	JX121588.1
Eusmilia_fastigiata	EF597019.1				AB117294.1
Eutima_curva		FJ550514.1	FJ550599.1	FJ550455.1	
Eutima_gegenbauri		FJ550515.1	FJ550600.1	FJ550456.1	KC440032.1
Eutima_gracilis		EU999229.1			KC440041.1
Eutima_krampi		JQ716004.1	FJ418675.1		JQ716158.1
Eutima_levuka		JQ716007.1	FJ418676.1		JQ716156.1
Eutima_sapinha			EU305493.1	EU305515.1	
Eutima_sp			KJ707240.1		KJ707241.1
Eutonina_indicans		KT266615.1			GQ120070.1
Exaiptasia_pallida	KP761183.1	KP761240.1	KR186056.1		

Exocoelactis_actinostoloides	KP793003.1	KP793004.1			
Fabienna_sphaerica			AY920767.1	AY920797.1	KT981900.1
Fanellia_euthyeia			KP324676.1		KP677956.1
Fanellia_korema			KP324679.1		KP677954.1
Fanellia_medialis			KP324675.1		KP677955.1
Fanellia_sp			KP324677.1		KP677957.1
Fannyella_rossii			KP324654.1		KP677922.1
Fannyella_spinosa			KP324651.1		KP677920.1
Favia_favus	AF177048.1				EU371664.1
Favia_fragum	EF597005.1	U40295.1			AY451350.1
Favites_abdita	AF333060.1				EU371687.1
Favites_sp	JQ347843.1	JQ347821.1			
Flabellum_deludens		AB510171.1			HM018638.1
Forskalia_asymmetrica		AY935277.1	AY937319.1		
Forskalia_edwardsi		AY935312.1	AY937354.1	EU305516.1	AY937369.1
Forskalia_formosa		AY935302.1	AY937344.1		
Forskalia_tholoides		AY935279.1	AY937321.1		
Fungia_scutaria	DQ320497.1	L76005.1	AF052884.1		
Fungia_sp	EF596986.1				EU149913.1
Fungiacyathus_marenzelleri	EF597074.1	L76004.1	EF589074.1		
Funiculina_sp			JN227965.1		JN227949.1
Galatheanthemum_profundale	KJ482919.1	KJ482954.1	KJ483011.1		
Galatheanthemum_sp	KJ482918.1	KJ482955.1	KJ483012.1	KJ483065.1	
Galaxea_astreata	AF333056.1	JQ347819.1			JQ920457.1
Galaxea_fascicularis	JQ347841.1	JQ347818.1			AB441201.1
Galaxea_sp		JQ347820.1	KP774818.1		
Gangliostoma_guangdongensis		JQ716023.1			JQ716189.1
Gardineria_hawaiiensis	GQ868657.1	GQ868699.1			GQ868677.1
Gardineria_paradoxa	GQ868656.1	GQ868698.1			GQ868681.1
Gardineroseris_planulata	EF597084.1				AB441218.1
Garveia_annulata		KP776796.1		EU272564.1	
Garveia_grisea			EU272632.1	EU272588.1	
Geryonia_proboscidalis		EU293979.1	EU247816.1	EU247807.1	GQ120078.1
Glyphoperidium_bursa	KJ482923.1	KJ482961.1	KT852143.1	KJ483136.1	
Gonactinia_prolifera	KJ482935.1	KJ482969.1	KJ483009.1	KJ483077.1	
Goniastrea_retiformis	EF597033.1				EU371700.1
Gonionemus_sp		KF962473.1			KF962130.1
Goniopora_columna	JQ347835.1	JQ347812.1			AB907031.1
Goniopora_gracilis	JQ911529.1				JQ920449.1
Goniopora_minor	JQ911531.1				AB907037.1

Goniopora_planulata	JQ347834.1	JQ347811.1			JQ920456.1
Goniopora_sp	JQ347836.1	JQ347813.1			AB907030.1
Goniopora_stokesi	EF597060.1				AB907050.1
Gonothyraea_loveni		FJ550480.1	KT722398.1	KT757149.1	
Gymnangium_gracilicaule		DQ855934.1	FJ550585.1	FJ550442.1	
Gymnopraia_lapislazula		AY935317.1	AY937359.1		
Gyractis_sesere	KT852012.1	KT852078.1	KT852145.1		
Halammohydra_sp		EU293991.1	EU301622.1		
Halcampa_duodecimcirrata	JF832966.1		AF254375.1		
Halcampoides_purpurea	EU190735.1	EU190780.1	AF254380.1	KJ483100.1	
Halcurias_pilatus	KJ482931.1	KJ482967.1	KJ483020.1	KJ483109.1	
Halecium_beanii		FJ550477.1	FJ550560.1		
Halecium_halecinum		KT266617.1	KT722399.1	KT757152.1	JN109194.1
Halecium_incertus			KT722400.1	KT757191.1	
Halecium_labrosum		AY787916.1	FJ550550.1	FJ550407.1	
Halecium_lenticulare		FJ550469.1	FJ550532.1	FJ550387.1	
Halecium_mediterraneum		FJ550492.1	FJ550566.1		
Halecium_muricatum		AY787915.1	EU272619.1	FJ550408.1	
Halecium_pusillum		FJ550499.1	FJ550580.1	FJ550437.1	
Haliclystus_antarcticus		FJ874775.1		KU308588.1	
Haliclystus_borealis		KU257500.1	KU308559.1	KU308590.1	
Haliclystus_californiensis		GU201828.1	KU308560.1	KU308591.1	GU201830.1
Haliclystus_inabai		KU257515.1	KU308577.1	KU308609.1	KU257488.1
Haliclystus_octoradiatus		AY845338.1	AY845346.1	AH014894.2	KU257476.1
Haliclystus_sanjuanensis		HM022151.1	AF358102.1	AY920782.1	KU257477.1
Haliclystus_sp		AY845340.1	AY845348.1	KU308617.1	KU257496.1
Haliclystus_stejnegeri		HM022153.1	KU308563.1	KU308594.1	KU257478.1
Haliclystus_tenuis		HM022154.1	KU308564.1	KU308595.1	KU257479.1
Haliplanella_lineata	JF832965.1	JF832973.1	EU190860.1	KJ483108.1	
Haliscera_conica			EU247825.1	EU247797.1	
Halistemma_rubrum		AY935281.1	AY937358.1	EU272566.1	AY937372.1
Haloclava_producta	EU190734.1	EU190779.1	AF254379.1	KJ483097.1	
Haloclava_sp	KJ482924.1	KJ482963.1	AF052891.1	KJ483138.1	
Halopteris_carinata		KT266619.1	KT722401.1	KT757139.1	
Halopteris_catharina		DQ855920.1	FJ550517.1	FJ550370.1	
Halopteris_diaphana		KT266620.1	KT722402.1	KT757138.1	
Halopteris_liechtensternii		AY787888.1	FJ550526.1	FJ550379.1	
Halopteris_minuta		AY787912.1	EU272620.1	EU272567.1	
Halopteris_sp			FJ550577.1	FJ550434.1	
Harenactis_argentina	KJ482926.1	KJ482964.1	KJ483026.1		
Hataia_parva		JN594033.1	JN594045.2		JX121608.1

Hebella_venusta		FJ550496.1	FJ550574.1	FJ550431.1	
Helgicirrha_brevistyla		FJ418655.1	FJ418677.1		JQ716163.1
Helgicirrha_malayensis		FJ418645.1	FJ418668.1		JQ716161.1
Helicogorgia_flagellata			JN227971.1		JN227953.1
Heliofungia_actiniformis	EF596995.1				EU149876.1
Henneguya_doneci			LC011456.1	JQ690376.1	
Henneguya_salminicola			AF031411.1	FJ417051.1	
Henneguya_sp			JQ690355.1	FJ417052.1	
Henneguya_zschokkei			AF378344.1	FJ417053.1	
Heptaprimnoa_patagonica			KP324738.1		KP678023.1
Heteractis_aurora	EU190729.1	EU190773.1			JX502834.1
Heteractis_magnifica	EU190732.1	EU190777.1	EU190862.1	KJ483093.1	JQ839150.1
Hippopodius_hippopus			AY937356.1	EU305517.1	
Hormathia_armata	EU190731.1	EU190775.1	EU190861.1	KJ483062.1	
Hormathia_lacunifera	FJ489409.1	FJ489428.1	FJ489446.1	KJ483063.1	
Hormathia_pectinata	FJ489415.1	FJ489430.1	FJ489448.1		
Hormosoma_scotti	EU190733.1	EU190778.1	EU190863.1	KJ483090.1	
Hurlizoanthus_parrishi		KC218433.1	KC218402.1		KC218389.1
Hurlizoanthus_sp	KJ459388.1	KJ459379.1			
Hybocodon_chilensis		EU876539.1	EU876566.1	EU879937.1	JX121594.1
Hybocodon_prolifer		EU876540.1	EU876567.1	EU879938.1	JX121595.1
Hydnophora_exesa	JQ347846.1	JQ347824.1			HE654621.1
Hydnophora_rigida	EF597000.1	L76009.1			
Hydra_canadensis		GU722792.1		JN594039.2	GU722878.1
Hydra_carnea		EF059929.1			AB565124.1
Hydra_circumcincta		GU722768.1	EU876568.1	EU879939.1	GU722850.1
Hydra_hymanae		GU722759.1	JN594051.2	JN594040.2	GU722848.1
Hydra_magnipapillata		EF059926.1	HQ392522.1		
Hydra_oligactis		GU722784.1	JN594052.2		GU722865.1
Hydra_oxycnida		GU722789.1			GU722876.1
Hydra_polymorphus		HM369417.1	HQ392523.1		
Hydra_robusta		KP895108.1	HQ392524.1		AB565092.1
Hydra_sinensis		HM369419.1	HM369420.1		JF951861.1
Hydra_sp		GU111737.1	DQ683368.1		EU683624.1
Hydra_utahensis		GU722774.1	JN594053.2	JN594042.2	GU722861.1
Hydra_viridis		EF059933.1	AF358081.1		
Hydra_viridissima		GU722757.1	EU876569.1	EU879940.1	GU722840.1
Hydra_vulgaris		GU722799.1	JN594054.2	EU879941.1	GU722885.1
Hydractinia_echinata		FJ214556.1	JQ407378.1		JN109196.1
Hydractinia_serrata		FJ214594.1	AY920764.1		

Hydractinia_sp		FJ214382.1	EU305495.1	EU305518.1	KF962140.1
Hydractinia_symbiolongicarpus		FJ214552.1	JQ407377.1	EU272568.1	
Hydrallmania_falcata		AY787900.1	FJ550559.1	EU305519.1	
Hydranthea_margarica		DQ855932.1	FJ550567.1	FJ550424.1	
Hydrichthella_epigorgia		EU305478.1	EU272622.1	EU272569.1	JX121601.1
Hydrichthys_boycei		EU448102.1	EU305496.1	EU272570.1	
Hydrissa_sodalis			JQ407362.1	JQ410716.1	
Hydrodendron_mirabile		DQ855933.1	FJ550568.1	FJ550425.1	
Hydrozoanthidae_sp		EF687831.1			EF672666.1
Hydrozoanthus_gracilis		KF499686.1			KF499722.1
Idiellana_pristis		KT266622.1	KT722404.1		
Ifalukella_yanii			JN874924.1		GQ342427.1
Inferiolabiata_lowei		EU645361.1	EU645476.1		
Iridogorgia_magnispiralis		FJ358830.1	FJ526216.1		FJ268639.1
Iridogorgia_splendens			JN227968.1		GQ868313.1
Isactinernus_quadrilobatus	KJ482932.1	KJ482968.1	KJ483024.1	KJ483105.1	
Isactinia_olivacea		KT852077.1	KT852144.1		
Isanthus_capensis	JF832967.1	GU473291.1	GU473307.1	KJ483096.1	
Isarachnanthus_maderensis			AB859825.1		JX128313.1
Isarachnanthus_nocturnus			AB859826.1	AB859832.1	JX128315.1
Isaurus_sp	AY995922.1	EF452244.1			AB247361.1
Isaurus_tuberculatus	KP176692.1	EF452250.1			KF840069.1
Isidella_sp		U40308.1	GU188958.1		GQ868319.1
Isididae_sp		KX384631.1	KX384622.1		JN227950.1
Isidoides_armata			JN227972.1		JN227951.1
Isopora_palifera	EF597091.1				AB441248.1
Isosicyonis_alba		KJ482959.1	KJ483030.1	KJ483134.1	
Isosicyonis_striata	EU190736.1	EU190781.1	EU190864.1	KJ483137.1	
Isotealia_antarctica	JQ810720.1	JQ810722.1			
Isotealia_sp		GU473290.1	GU473306.1		
Isozoanthus_giganteus	GQ464964.1	GQ464867.1			
Isozoanthus_sp	GQ464965.1	EU828761.1			
Janaria_mirabilis		FJ214555.1	JQ407363.1	JQ410717.1	
Junceella_fragilis			AY962533.1		KF955083.1
Kadosactis_antarctica	FJ489410.1	EU190782.1	EU190865.1	KJ483080.1	
Kauluzoanthus_kerbyi		KC218436.1	KC218404.1		KC218391.1
Keratoisidinae_sp			FJ358837.1		KC788225.1
Keratoisis_sp		AY351666.1	GU188957.1		FJ268629.1
Kirchenpaueria_pinnata		FJ550497.1	FJ550578.1	FJ550435.1	
Kirchenpaueria_similis		DQ855923.1	FJ550581.1	FJ550438.1	
Koellikerina_fasciculata			EU272623.1	EU272571.1	

Korsaranthus_sp	KJ482920.1	KJ482958.1	KJ483017.1	KJ483117.1	
Kudoa_crumena			KC142196.1	FJ417057.1	
Kudoa_dianae			AF414692.1	FJ417058.1	
Kudoa_hexapunctata			AB902956.1	AB902957.1	
Kudoa_islandica			KJ451388.1	KJ857071.1	
Kudoa_iwatai			AB553295.1	AB553301.1	
Kudoa_lateolabracis			AY382606.1	JQ302298.1	
Kudoa_musculoliquefaciens			LC097083.1	LC097084.1	
Kudoa_neothunni			AB902958.1	AB902959.1	
Kudoa_pleurogrammi			LC097085.1	LC097087.1	
Kudoa_septempunctata			AB731754.1	JQ302299.1	
Kudoa_shiomitsui			GU124635.1	LC128646.1	
Kudoa_sp			EU041621.1	KR140015.1	
Kudoa_thyrsites			AY078430.1	JQ302300.1	
Kulamanamana_haumeaee		KC218431.1	KC218399.1		KC218386.1
Lafoea_dumosa		AY787917.1		EU305520.1	
Laomedea_calceolifera		FJ550504.1	FJ550590.1	FJ550447.1	AY789914.1
Laomedea_flexuosa		AY789825.1	AY789763.1		AY789910.1
Laomedea_inornata		AY789822.1	AY789761.1		
Laviactis_lucida	KP761196.1	KR186038.1	KP761297.1		
Leiopathes_sp		FJ376990.1	FJ389898.1	FJ626241.1	FJ381663.1
Lemnalia_sp			AF052924.1		JX203859.1
Lensia_conoidea		KJ866201.1	AY937360.1		
Lepidisis_olapa		U40311.1			AY351662.1
Lepidisis_sp		AY351665.1	GU188959.1		GQ868304.1
Lepidopora_microstylus		EU645329.1	EU272644.1	EU272572.1	JX121603.1
Lepidopora_polystichopora		EU645332.1	EU645458.1		
Lepidopora_sp		EU645331.1	EU645457.1		
Lepidotheca_chauliostylus		EU645362.1	EU645477.1		
Lepidotheca_sp		EU645335.1	EU645461.1		
Leptastrea_bottae		L76010.1			HE654601.1
Leptogorgia_capverdensis		FJ389254.1	FJ389267.1	FJ642931.1	
Leptogorgia_chilensis			AF052928.1		KF874214.1
Leptogorgia_virgulata		U19371.1			AY268441.1
Leptohelia_flexibilis		KM886597.1	KM886598.1		
Leptopsammia_pruvoti	EF597068.1	AF265579.1			
Leptoria_phrygia	EF597051.1	L76011.1			HE654611.1
Leptoseris_sp	EF597089.1				AY451373.1
Letepsammia_formosissima	GQ868663.1	GQ868697.1			GQ868684.1
Leuckartiara_octona		EU999224.1	EU272624.1	EU272573.1	GQ120057.1

Leuckartiara_sp		JX965913.1			JX965907.1
Lillipathes_wingi			KF054354.1	KF054363.1	JX560755.1
Lilyopsis_fluoracantha			AY919607.1		GQ120015.1
Limnocrnida_tanganyicae		EU293972.1	AY920755.1	AY920795.1	
Lipkea_ruspoliana		KU257503.1	KU308566.1	KU308598.1	KU257480.1
Lipkea_sp		KU257520.1	KU308582.1	KU308614.1	KU257493.1
Liponema_brevicornis	EU190738.1	EU190784.1	EU190866.1		
Liponema_multiporum	KJ482922.1	KJ482962.1			
Liriope_tetraphylla		KT266624.1	KF962284.1		KU364622.1
Lizzia_bloncina			EU272625.1	EU272574.1	KC440074.1
Lobophyllia_hemprichii	EF597013.1	L76013.1			HE654640.1
Lovenella_assimilis		KR263040.1	KR263047.1		HM053520.1
Lovenella_gracilis		AY789830.1	AY789773.1		
Lucernaria_bathyphila		KU257504.1	KU308567.1	KU308599.1	KU257481.1
Lucernaria_janetae		AY845342.1	AY845345.1	KU308600.1	
Lucernaria_quadricornis		KU257506.1	KU308568.1		
Lucernaria_sainthilairei		KU257507.1	KU308569.1	KU308602.1	KU257482.1
Lucernaria_sp		DQ465036.1	KU308583.1	KU308615.1	KU257494.1
Lytocarpia_canepa		KT266645.1	KT722406.1		
Lytocarpia_sp		FJ550505.1	FJ550591.1	FJ550448.1	
Macroductyla_doreenensis	EU190739.1	EU190785.1	EU190867.1		
Macrorhynchia_philippina		KT266625.1	KT722407.1	KT757153.1	
Macrorhynchia_phoenicea		DQ855935.1	FJ550584.1	FJ550441.1	
Macrorhynchia_sibogae		FJ550500.1	FJ550586.1		
Madracis_mirabilis			AY950684.1		AY451344.1
Madracis_pharensis	EF596984.1				JQ611400.1
Madrepora_oculata		AF550369.1			HM018659.1
Maeotias_marginata		AY512508.1	AF358056.1	EU247810.1	AF383926.1
Malagazzia_carolinae		KF962492.1			KF962150.1
Manania_gwilliami		KU257512.1	KU308574.1	KU308606.1	KU257486.1
Manania_uchidai		KU257513.1	KU308575.1	KU308607.1	
Manicina_areolata	EF597012.1				AB117227.1
Marrus_orthocanna		DQ080010.1			GQ120019.1
Mastigias_papua		KU901000.1	HM194796.1		
Meandrina_meandrites	EF597032.1				AY451361.1
Melicertissa_sp		AY512515.1	AF358075.1	AY920798.1	
Melicertum_octocostatum		FJ550510.1	AY920757.1	EU272575.1	GQ120071.1
Melithaea_ochracea			KT900330.1		KC802206.1
Merulina_ampliata	AF333058.1				HQ203280.1
Merulina_scabricula		L76014.1			HQ203281.1

Mesozoanthus_fossii		EF687823.1	KC218409.1		EF672653.1
Metafannyella_kuekenthali			KP324688.1		KP677968.1
Metallogorgia_macrospina			JN227966.1		JN227952.1
Metallogorgia_melanotrichos		FJ526207.1	FJ526214.1		FJ268630.1
Metarhodactis_sp	KP316006.1	EF589055.1	EF589073.1		
Metedwardsia_akkeshi	GU473276.1	GU473294.1	GU473310.1		
Metridium_senile	KJ482916.1	AY345876.1	JF832988.1	KJ483076.1	
Microhydrula_limopsicola		EU294003.1	EU247811.1		
Microzoanthus_kagerou		HQ912850.1			HQ912792.1
Microzoanthus_occultus		HQ912856.1			HQ912861.1
Millepora_sp		EU876551.1	AF358088.1	EU879950.1	
Mirostenella_articulata			KP324635.1		KP677905.1
Mirostenella_sp			KP324643.1		KP677918.1
Mitrocomella_brownei			FJ550521.1	FJ550374.1	
Mitrocomella_niwai		FJ550473.1	FJ550536.1	FJ550392.1	
Modeeria_rotunda		FJ550476.1	FJ550540.1	FJ550396.1	
Moerisia_inkermanica		KF962503.1	KT722408.1	KT757161.1	KF962159.1
Moerisia_sp		EU876555.1	AF358083.1	AY920801.1	
Monobrachium_parasiticum		EU293970.1	AY920752.1		
Monostaechas_quadridens		DQ855941.1	EU305497.1	KT757171.1	
Monotheca_obliqua		DQ855929.1	FJ550544.1	FJ550401.1	
Montastraea_annularis	EF597009.1		AF238267.1		AY451352.1
Montastraea_cavernosa	EF597007.1				AY451353.1
Montastraea_faveolata	EF597008.1				AY451357.1
Montastraea_franksi	EF597010.1		AY026382.1	AY026375.1	AY451358.1
Montastraea_sp		AF265610.1			JN248781.1
Montastraea_valenciennesi	AF333061.1				EU371713.1
Montipora_capitata		HQ246708.1			HQ246613.1
Montipora_digitata	AF177045.1	L75993.1	KC816696.1		KF492662.1
Montipora_dilatata		HQ246702.1			HQ246605.1
Montipora_flabellata		HQ246699.1			HQ246601.1
Montipora_patula		HQ246693.1			HQ246595.1
Montipora_sp	JQ347839.1	JQ347816.1			AB907075.1
Montipora_verrilli		HQ246697.1			HQ246598.1
Morbakka_virulenta		GQ849121.1	GQ849083.1	GQ849060.1	
Muggiaea_atlantica		AY935295.1	AY937337.1		
Muriceides_sp			KF856015.1		KC984622.1
Mussa_angulosa	EF597011.1				AY451363.1
Mycedium_elephantotus	AF333057.1				HQ203294.1
Mycedium_sp	EF597036.1	AF265608.1			

Mycetophyllia_aliciae	EF597039.1				AY451364.1
Myxidium_bergense			JN033231.1	FJ417059.1	
Myxidium_chelonarum			DQ377694.1	FJ417063.1	
Myxidium_coryphaenoideum			DQ377697.1	FJ417060.1	
Myxidium_cuneiforme			DQ377709.1	FJ417061.1	
Myxidium_gadi			DQ377711.1	FJ417062.1	
Myxidium_incurvatum			DQ377708.1	FJ417064.1	
Myxobolus_ampullicapsulatus			HM188545.1	JQ690363.1	
Myxobolus_cerebralis			EF370478.1	FJ981820.1	
Myxobolus_longisporus			AY364637.1	FJ417068.1	
Myxobolus_nielii			JQ690358.1	JQ690360.1	
Myxobolus_sp			AB469985.1	JN616264.1	
Nanomia_bijuga		AY935282.1	AY937324.1	EU272576.1	KF977305.1
Nanozoanthus_harenaceus		KF499602.1			KF499606.1
Narella_bowersi		U39786.1	AF052905.1		
Narella_clavata			KP324681.1		KP677961.1
Narella_dichotoma			AF052882.1		GQ868316.1
Narella_sp			KP324733.1		KP677936.1
Narella_versluysi		FJ358834.1	FJ358841.1		FJ268637.1
Nausithoe_atlantica			HM194793.1		GQ120089.1
Nausithoe_rubra			HM194817.1	AY920776.1	
Nausithoe_sp			HM194771.1		KX384614.1
Nectadamas_diomedeeae		AY935306.1	AY937348.1		
Nectopyramis_natans		AY935307.1	AY937349.1		GQ120031.1
Nectopyramis_sp		AY512512.1	AF358068.1	AY026377.1	
Nemalecium_lighti		KT266628.1	KT722410.1	KT757146.1	
Nemanthus_nitidus	EU190741.1	EU190787.1	EU190868.1	KJ483064.1	
Nematostella_vectensis	EU190750.1	AY169370.1	AF254382.1	KJ483089.1	DQ538492.1
Nemertesia_antennina		JN714581.1	EU305498.1	EU305523.1	
Nemopilema_nomurai		JX845343.1	JX845353.1		AB243416.1
Nemopsis_bachei		JQ715896.1			KC440111.1
Neoturris_breviconis		EU448103.1	EU448097.1	EU305524.1	
Neozoanthus_sp		KJ783932.1			KJ776756.1
Notocyathus_sp	EF597061.1	AF265584.1			
Obelia_bidentata		FJ550503.1	AY789754.1	FJ550446.1	AY789904.1
Obelia_dichotoma		KM603472.1	KT722411.1	KT757168.1	AY789913.1
Obelia_geniculata		AY530374.1	KT722412.1	KT757167.1	AY530379.1
Obelia_longissima		KM603468.1	KM603469.1	KT757159.1	AY789907.1
Obelia_sp		KF962509.1			JQ353750.1
Octophialucium_indicum		AY787897.1	EU272626.1	EU272577.1	
Octophialucium_medium		JQ715913.1			JQ716089.1

Oculina_patagonica	EF597025.1	AF265601.1			
Odessia_maeotica		GQ395324.1	GQ424341.1	GQ424314.1	
Olindias_formosus		KF184031.1	KF184030.1		
Olindias_phosphorica		EU293978.1	AY920753.1	EU247808.1	JX121605.1
Olindias_sambaquiensis		KT266630.1	KT722413.1	KT757174.1	
Onogorgia_nodosa			KP324704.1		KP677907.1
Opercularella_lacerata		KT266631.1	KT722414.1		
Opercularella_pumila		AY789834.1	AY789777.1		
Ophidiogorgia_kuekenthali			KP324655.1		KP677932.1
Ophidiogorgia_sp			KP324663.1		KP677938.1
Orthopyxis_caliculata		KM405588.1			KM405563.1
Orthopyxis_crenata		KM405590.1			KM405558.1
Orthopyxis_everta		AY789793.1	AY789728.1		AY789881.1
Orthopyxis_integra		KP776812.1	AY789733.1		AY789884.1
Orthopyxis_mianzani		KM405597.1	KT722415.1	KT757151.1	KM405546.1
Orthopyxis_sargassicola		KT266633.1	KT722416.1	KT757155.1	AY789883.1
Oswaldella_grandis			KT722417.1	KT757140.1	
Oswaldella_laertesi			KT722418.1	KT757137.1	
Oswaldella_shetlandica		KT266634.1	KT722419.1	KT757134.1	
Oswaldella_stepanjantsae			KT722420.1	KT757133.1	
Oulactis_muscosa	KT852033.1	KT852097.1	KT852162.1		
Oulastrea_crispata	AF333062.1				FJ345435.1
Oulophyllia_sp	EF597004.1				HQ203297.1
Pachycerianthus_fimbriatus			AF358111.1		AB859842.1
Pachycerianthus_magnus			AB859828.1		AB859841.1
Pachycerianthus_sp			AB859829.1	AB859833.1	AB859840.1
Pachycordyle_pusilla			EU272627.1	EU272579.1	KT981898.1
Palliatu s_indecorus			DQ377712.1	FJ417069.1	
Palythoa_caribaeorum		HM130470.1			KT454365.1
Palythoa_grandiflora		JX119142.1			KT454366.1
Palythoa_grandis		JX119138.1			JX119163.1
Palythoa_heliodiscus	KP176690.1	AB219224.1			KF840070.1
Palythoa_mizigama		LC007006.1			LC006938.1
Palythoa_mutuki	KP176688.1	KP176678.1			KJ776757.1
Palythoa_sp	GQ464968.1	KJ783913.1	DQ831269.1		AB128895.1
Palythoa_tuberculosa	KP162104.1	KJ472919.1			AB219198.1
Palythoa_umbrosa		LC007000.1			LC006902.1
Palythoa_variabilis		KT454341.1	AF052892.1		KT454367.1
Pandea_sp			JQ407361.1	EU272580.1	
Pantachogon_haeckeli		EU293988.1	AF358062.1	AY920792.1	GQ120079.1

Pantachogon_sp		EU293990.1		EU247806.1	
Paracalliactis_sp	FJ489411.1	FJ489429.1	FJ489447.1		
Paracalyptrophora_sp			KP324668.1		KP677948.1
Paracyathus_pulchellus	EF597027.1	AF265603.1			
Paragorgia_arborea			HM437188.1		FJ264900.1
Paragorgia_johnsoni			AY838562.1		KC788232.1
Paragorgia_sp		FJ389251.1	FJ389264.1		KC984640.1
Paraiptasia_sp	EU190742.1		EU190869.1		
Paraisanthus_fabiani	JF832964.1	GU473283.1	GU473300.1		
Paramuricea_biscaya			KF856143.1		FJ264914.1
Paramuricea_nr			KF856151.1		GU563315.1
Paramuricea_placomus			KF856172.1		GU563316.1
Paramuricea_sp		U40304.1	KF856142.1		FJ264913.1
Paranthus_niveus	GU473277.1	GU473295.1	GU473311.1	KJ483072.1	
Parantipathes_sp		FJ376994.1	FJ389902.1	FJ626235.1	FJ381658.1
Paraphelliactis_sp	FJ489412.1	FJ489431.1	FJ489449.1		
Parastenella_sp			KP324721.1		KP678003.1
Parastenella_spinosa			KP324695.1		KP677975.1
Parazoanthid_sp	AY995918.1	AY995932.1	KC218413.1		AB247358.1
Parazoanthus_anguicomus	GQ464941.1	GQ464851.1			EF672660.1
Parazoanthus_axinellae	GQ464940.1	AY995935.2	KC218416.1	KJ483044.1	AB247355.2
Parazoanthus_capensis	GQ464942.1	GQ464852.1			
Parazoanthus_catenularis	GQ464949.1	EU828757.1			
Parazoanthus_elongatus		EU591603.1	KC218414.1		EF672661.1
Parazoanthus_gracilis	GQ464953.1	AB219194.1	KJ483003.1		AB214178.1
Parazoanthus_juanfernandezii	GQ464939.1	GQ464850.1			
Parazoanthus_parasiticus	GQ464947.1	EU828756.1			EF672663.1
Parazoanthus_puertoricense	GQ464948.1	EU828758.1	KC218418.1		AB247351.1
Parazoanthus_sp	GQ464944.1	HM130480.1	KC218415.1		AB247354.1
Parazoanthus_swiftii	GQ464945.1	EU828755.1	KC218417.1		AB247350.1
Parazoanthus_tunicans	GQ464955.1	EU828760.1	KJ483004.1		AB247353.1
Parvicapsula_petuniae			KF874230.1	KF874223.1	
Pavona_frondifera	AF333055.1	JQ347825.1			JQ920448.1
Pavona_varians	EF597083.1	L76016.1	AF052883.1		
Peachia_cylindrica	EU190743.1	EU190789.1	KJ483015.1		
Pectinia_alcicornis	EF597037.1	L76017.1			HQ203298.1
Pelagia_noctiluca		JX235410.1	HM194812.1		
Pennaria_disticha		KT984723.1	GQ424342.1	EU272581.1	
Pennaria_sp		KF962521.1	GQ424343.1	KF962371.1	KF962169.1
Perarella_schneideri			HM357626.1	HM357628.1	
Periphylla_periphylla			HM194775.1		JN700984.1

Perissogorgia_monile			KP324682.1		KP677962.1
Perissogorgia_vitrea			KP324673.1		KP677953.1
Peronanthus_sp	KJ482917.1	KJ482956.1	KJ483014.1	KJ483066.1	
Phacellophora_camtschatica		JX393261.1	HM194822.1	AY920778.1	GQ120098.1
Phacellophora_sp		JX393262.1	JX393293.1		
Phanopathes_expansa		FJ376987.1	FJ389897.1	FJ626242.1	FJ381655.1
Phellia_exlex	JF832958.1	JF832978.1	JF832984.1	KJ483121.1	
Phellia_gausapata	EU190744.1	EU190790.1	EU190870.1	KJ483054.1	
Phialella_quadrata		FJ550474.1	FJ550537.1	FJ550393.1	
Phyllangia_mouchezii	EF597022.1	AF265605.1	AF052887.1		
Phyllorhiza_punctata		KU901025.1	HM194770.1		GQ120101.1
Phymanthus_crucifer	KJ910343.1	KJ910345.1			
Phymanthus_loligo	EU190745.1	EU190791.1	EU190871.1		
Physalia_physalis		AY935284.1	AF358065.1	EU448095.1	AY937374.1
Physalia_utriculus		AY512511.1	AF358066.1		
Physogyra_lichtensteini	EF597030.1				KU762010.1
Physophora_hydrostatica		AY935300.1	AY937342.1	EU272582.1	GQ120035.1
Placogorgia_sp		FJ643599.1		FJ642929.1	FJ264915.1
Platygyra_daedalea		JQ347822.1			HE654617.1
Platygyra_sinensis	AF177047.1				HQ203305.1
Platygyra_sp		AF265611.1			EU371722.1
Plerogyra_sp	EF597031.1				HM018663.1
Plesiastrea_sp	EF597016.1	JQ347823.1			JQ920460.1
Pliobothrus_echinatus		EU645266.1	EU645428.1		
Plumarella_delicatissima			KP324709.1		KP677992.1
Plumarella_diadema			KP324685.1		KP677915.1
Plumarella_sp			KP324699.1		KP677982.1
Plumarella_undulata			KP324740.1		KP677966.1
Plumularia_duseni		KF982231.1			KF982180.1
Plumularia_filicaulis		KF982232.1	FJ550565.1	FJ550422.1	KF982159.1
Plumularia_habereri			FJ550571.1	FJ550428.1	
Plumularia_hyalina		AY787913.1	EU305499.1	EU305525.1	KF982152.1
Plumularia_lagenifera		DQ855928.1	FJ550527.1	FJ550380.1	KF982189.1
Plumularia_margaretta		JN714629.1	KT722423.1	KT757166.1	
Plumularia_mooreana		KF982224.1			KF982176.1
Plumularia_pulchella			FJ550562.1	FJ550419.1	
Plumularia_setacea		JN714607.1	EU272628.1	KT757170.1	KF982148.1
Plumularia_setaceoides		DQ855931.1	FJ550538.1	FJ550394.1	KF982156.1
Plumularia_sp		FJ550491.1	FJ550564.1	FJ550421.1	
Plumularia_spiralis		AY787920.1	FJ550569.1	FJ550426.1	

Plumularia_strictocarpa		KF982225.1	HM357627.1	HM357629.1	KF982175.1
Pocillopora_damicornis	AF333043.1	L76019.1			AY139813.1
Pocillopora_meandrina	EF596976.1	KJ482945.1	KJ483006.1		
Pocillopora_sp			KP774816.1		KM214845.1
Podocoryna_borealis		FJ214459.1	JQ407388.1		
Podocoryna_carnea		FJ214469.1	JQ407393.1		
Podocoryna_exigua		FJ214472.1	AF358092.1	AY920802.1	
Podocoryna_hayamaensis			JQ407369.1	JQ410724.1	
Podocoryna_pruvoti			JQ407368.1	JQ410723.1	
Podocoryna_sp		FJ214463.1	JQ407390.1		
Podocorynoides_minima		EU883541.1	EU883546.1	EU883552.1	
Polycyathus_muellerae	EF597026.1	AF265606.1			
Polyorchis_haplus		AY512549.1	GQ424344.1	GQ424317.1	
Polyorchis_penicillatus		AY512550.1	AF358090.1		
Poralia_sp		JX393265.1	JX393294.1		
Porites_astreoides	EF597055.1				AY451374.1
Porites_branneri	EF597059.1				AY451380.1
Porites_compressa	EF597054.1	L76020.1			FJ423970.1
Porites_cylindrica			KC816689.1		FJ423968.1
Porites_divaricata	EF597058.1				AY451381.1
Porites_lobata		AF550372.1			FJ423973.1
Porites_lutea	JQ911533.1				FJ423967.1
Porites_nigrescens	JQ911532.1				JQ920459.1
Porites_porites	EF597057.1				AY451383.2
Porites_sp	JQ347832.1	JQ347810.1			AB907073.1
Porpita_porpita		AY935322.1	DQ683367.1	EU883551.1	GQ120060.1
Porpita_sp		AY512529.1	AF358086.1	AY920803.1	
Praya_dubia		AY935285.1	AY937326.1	EU305526.1	AY937375.1
Praya_sp			AF358067.1		GQ120037.1
Preactis_millardae	KJ482921.1	KJ482957.1	KJ483018.1	KJ483118.1	
Primnoa_pacifica		FJ526210.1	FJ358842.1		FJ268638.1
Primnoa_sp			KP324731.1		KP678005.1
Primnoeides_sertularoides			KP324727.1		KP678006.1
Primnoeides_sp			KP324732.1		KP678012.1
Primnoella_antarctica			KP324702.1		KP677911.1
Primnoella_chilensis			KP324697.1		KP677977.1
Primnoella_divaricata			KP324715.1		KP677998.1
Primnoella_scotiae			KP324684.1		KP677964.1
Primnoella_sp			KP324710.1		KP677994.1
Primnoidae_gen			KP324669.1		KP677929.1
Primnoidae_sp			KP324692.1		KP677972.1

Proboscidactyla_flavicirrata		EU305480.1	EU305500.1	EU305527.1	JX121600.1
Proboscidactyla_ornata		EU305481.1	EU272631.1	EU272587.1	JQ716077.1
Protanthea_simplex	KJ482939.1	KJ482970.1	KJ483010.1	KJ483078.1	
Protodendron_sp		U40296.1	AF052921.1		
Pseudochrysogorgia_bellona			HM590865.1		GQ868310.1
Pseudocrypthelia_pachypoma		EU645280.1	EU272643.1	EU272589.1	
Pycnotheca_mirabilis		FJ550465.1	FJ550529.1		
Radicipes_gracilis			HM590864.1		HM590861.1
Radicipes_sp		FJ526208.1	FJ526212.1		FJ268641.1
Ralpharia_gorgoniae		EU305482.1	EU272633.1	EU272590.1	GU812437.1
Rathkea_octopunctata		EU305483.1	EU272634.1	EU272591.1	KC440079.1
Relicanthus_daphneae	KJ482934.1	KJ482971.1	KJ483028.1	KJ483131.1	
Rhacostoma_atlantica			EU305501.1	EU305528.1	
Rhacostoma_atlanticum		KT266638.1	KT722425.1	KT757181.1	
Rhizocaulus_verticillatus		AY789803.1	AY789738.1		AY789888.1
Rhizogeton_nudus		AY787883.1	EU272635.1	EU272592.1	
Rhizophysa_eysenhardti		AY935309.1	AY937351.1		GQ120038.1
Rhizophysa_filiformis		AY935286.1	AY937327.1		AY937377.1
Rhizorhagium_arenosum		KP776792.1			KT981916.1
Rhizosmilia_maculata	EF597023.1	AF265602.1			
Rhodactis_mussoides	AF177049.1				AB441263.1
Rhodactis_rhodostoma		EF589054.1	EF589072.1		
Rhodactis_sp	KP315993.1				AB441265.1
Rhodaniridogorgia_fragilis			JN247405.1		GQ868326.1
Rhodaniridogorgia_sp			JN227973.1		GQ868322.1
Rhombopsammia_niphada	GQ868661.1	GQ868695.1			GQ868683.1
Rhopalonema_velatum		EU293993.1	EU247819.1	EU247804.1	GQ120080.1
Rhopilema_esculentum		JX845342.1	HM194794.1		KF840718.1
Rhopilema_sp		JX393266.1	JX393295.1		
Rhopilema_verrilli		JX393271.1	HM194797.1		
Ricordea_florida	KJ482913.1	EF589057.1	EF589067.1	KJ483045.1	AB441260.1
Rosacea_flaccida		AY935287.1	AY937328.1	EU305529.1	AY937376.1
Sagartia_elegans		JF832970.1	JF832989.1		
Sagartia_ornata	JF832959.1	JF832975.1	JF832985.1	KJ483069.1	
Sagartia_troglodytes	EU190746.1	EU190792.1	EU190872.1	KJ483073.1	
Sagartiogeton_erythraios		GU473289.1	GU473305.1		
Sagartiogeton_laceratus	EU190748.1	EU190794.1	EU190874.1	KJ483071.1	
Sagartiogeton_undatus	FJ489400.1	FJ489417.1	FJ489435.1	KJ483070.1	
Salacia_desmoides		FJ550464.1	FJ550528.1		
Sanderia_malayensis		JX393267.1	JX393296.1		

Sarcophyton_sp			HM067606.1		KF955144.1
Sarcophyton_trocheliophorum		JQ347826.1			GQ342398.1
Sarsia_apicula		GQ395330.1	GQ424336.1		
Sarsia_lovenii		AY787876.1	GQ424337.1	GQ424310.1	KT981910.1
Sarsia_princeps		EU876549.1	EU876575.1	EU879947.1	GQ120061.1
Sarsia_striata		GQ395328.1	GQ424338.1	GQ424311.1	KT981905.1
Sarsia_tubulosa		AY512545.1	GQ424339.1	EU879946.1	JQ353758.1
Savalia_savaglia	AY995905.1	HQ110948.1	HM044299.1	HM044298.1	HQ110947.1
Savalia_sp	AY995906.1	AY995930.1			EF672657.1
Schizopathes_affinis			KF054358.1	KF054367.1	
Schizotricha_crassa			KT722426.1	KT757136.1	
Schizotricha_falcata			KT722427.1	KT757135.1	
Schizotricha_nana			KT722428.1	KT757132.1	
Schizotricha_turqueti			KT722429.1	KT757142.1	
Schuchertinia_altispina			JQ407364.1	JQ410718.1	
Schuchertinia_conchicola			JQ407365.1	JQ410719.1	
Schuchertinia_milleri		KP776800.1	JQ407380.1		
Schuchertinia_sp			JQ407366.1	JQ410720.1	
Scolionema_suvaense		AB720909.1	AB231884.1		
Scrippsia_pacifica		AY512551.1	AF358091.1	AY920804.1	
Sertularella_africana		FJ550490.1	FJ550563.1	FJ550420.1	
Sertularella_cylindritheca		KT266640.1	KT722433.1		
Sertularella_diaphana		KT266639.1	KT722430.1	KT757131.1	
Sertularella_ellisii		FJ550478.1	FJ550545.1		
Sertularella_gayi		JF898033.1	FJ550579.1		
Sertularella_mediterranea		FJ550479.1	FJ550546.1	FJ550403.1	
Sertularella_sanmatiasensis			KT722431.1	KT757202.1	
Sertularia_argentea		FJ550461.1	FJ550520.1	FJ550373.1	
Sertularia_cupressina		FJ550475.1	FJ550539.1	EU305531.1	
Sertularia_distans		KT266641.1	KT722434.1	KT757163.1	
Sertularia_marginata		KT266642.1	KT722435.1	KT757150.1	
Sertularia_moluccana		FJ550494.1	FJ550572.1	FJ550429.1	
Sertularia_perpusilla		AY787894.1		EU305532.1	
Sertularia_tumida		KT266643.1	KT722436.1	KT757154.1	
Sertularia_turbinata		KT266644.1	KT722437.1	KT757147.1	
Siderastrea_radians	EF597066.1				AY451385.1
Siderastrea_siderea	EF597067.1		KJ483007.1		AY451386.1
Sigiweddellia_sp		EU293996.1		EU247796.1	
Silicularia_rosea		KM405636.1	FJ550549.1	FJ550406.1	
Sinuolinea_arctica			KF874232.1	KF874227.1	
Siphonogorgia_sp			AF052927.1		KF955243.1

Siphonophorae_sp			KX384625.1		KX384615.1
Solanderia_ericopsis		AY787881.1	EU272636.1	EU272593.1	
Solanderia_secunda		EU305484.1	EU305502.1	EU305533.1	JX121599.1
Solmissus_marshalli			AF358060.1	AY920790.1	
Solmundella_bitentaculata			EU247812.1	EU247795.1	JQ353759.1
Sphaerocoryne_agassizii		GQ395323.1		GQ424318.1	
Sphaeromyxa_balbianii			KF135225.1	FJ417070.1	
Sphaeromyxa_hellandi			DQ377692.1	FJ417071.1	
Sphaeromyxa_longa			KM201344.1	FJ417072.1	
Sphaeromyxa_sp			KM201336.1	FJ417073.1	
Sphaeronectes_gracilis			AY937343.1		GQ120046.1
Sphaerospora_angulata			JQ801530.1	JQ801534.1	
Sphaerospora_dicentrarchi			KT970639.1	FJ417074.1	
Sphaerospora_dykovae			JQ801531.1	JQ801540.1	
Sphaerospora_ranae			EF211975.2	FJ417075.2	
Sphaerospora_sp			JX286626.1	JX286635.1	
Sphaerospora_sparidarum			JX286620.1	JX286629.1	
Sphaerospora_sparis			JX286624.1	JX286634.1	
Sphenopus_marsupialis		JQ323163.1			AB441277.1
Staurocladia_vallentini		GQ395332.1	GQ424322.1		
Staurocladia_wellingtoni		AY787882.1	AF358084.1	FJ550376.1	
Staurodiscus_gotoi		FJ550472.1	FJ550535.1	FJ550391.1	
Staurodiscus_sp		JX965916.1			JX965910.1
Stauropathes_sp		FJ376993.1	FJ389901.1	FJ626237.1	FJ381657.1
Staurotheca_antarctica		KT824435.1	KT722438.1	KT757203.1	
Stegopoma_plicatile		FJ550513.1	FJ550598.1	FJ550454.1	JN109191.1
Stephalia_dilata		AY935315.1	AY937357.1	EU305534.1	
Stephanocoenia_michelinii	EF597073.1	AF265581.1			AY451343.1
Stephanogorgia_faulkneri			JN227967.1		GQ342406.1
Stephanohelia_sp		EU645364.1	EU645478.1		
Stephanomia_amphytridis		AY935280.1	AY937322.1	EU305535.1	AY937371.1
Stephanthus_antarcticus	KJ482927.1	KJ482960.1	KJ483019.1	KJ483092.1	
Stichodactyla_gigantea	KR812363.1	EU190793.1	EU190873.1		
Stichodactyla_haddoni		FJ417090.1	FJ417089.1		JX502836.1
Stichodactyla_sp	KR812377.1	AY345874.1			AB441275.1
Stichopathes_sp		FJ376995.1	FJ389903.1	FJ626234.1	FJ381659.1
Stichopathes_spiessi		U40286.1	AF052899.1		KF054412.1
Stomolophus_meleagris			AF358101.1		KC811081.1
Stomphia_didemon	KJ482929.1	EU190795.1	EU190875.1	KJ483127.1	
Stomphia_selaginella	GU473280.1	GU473298.1	GU473314.1		

Strongylocentrotus_purpuratus	X12631.1	X12631.1	L28055.1	AF212171.1	X12631.1_5778-7348
Stylantheca_petrograpta		EU645327.1	EU645455.1		
Stylaster_californicus		EU645314.1	EU645449.1		HQ603190.1
Stylaster_campylecus		EU645306.1	EU645442.1		
Stylaster_cancellatus		EU645308.1	EU645444.1		
Stylaster_duchassaingii		EU645303.1	EU645440.1		
Stylaster_ellassotomus		EU645310.1	EU645446.1		
Stylaster_galapagensis		EU645305.1	EU645441.1		
Stylaster_horologium		EU645301.1	EU645438.1		
Stylaster_imbricatus		EU645313.1	EU645448.1		
Stylaster_papuensis		EU645316.1	EU645451.1		
Stylaster_polyorchis		EU645309.1	EU645445.1		
Stylaster_roseus		EU645315.1	EU645450.1		
Stylaster_sanguineus		EU645321.1	EU645453.1		
Stylaster_sp		EU645299.1	EU645443.1		
Stylaster_verrillii		EU645311.1	EU645447.1		
Stylopathes_sp			KF054357.1	KF054364.1	KF054425.1
Stylophora_pistillata	AF333044.1		FR819686.1		EF633532.1
Sugiura_chengshanense		JQ715931.1			HM053532.1
Sulculeolaria_quadriavalvis		AY935311.1	AY937329.1	EU272594.1	
Swiftia_pacifica			KF856030.1		KF874210.1
Swiftia_sp		FJ643598.1	FJ389258.1		KC984632.1
Sympagohydra_tuuli		FJ554625.1	FJ554628.1		FJ554626.1
Symplectoscyphus_curvatus			KT722439.1	KT757144.1	
Symplectoscyphus_exochus			KT722440.1	KT757172.1	
Symplectoscyphus_glacialis			KT722441.1	KT757178.1	
Symplectoscyphus_turgidus		FJ550462.1	FJ550524.1	FJ550377.1	
Synhalcurias_elegans	KJ482942.1		KJ483021.1	KJ483120.1	
Systemapora_ornata		EU645365.1	EU645479.1		
Taiaroa_tauhou			AF052908.1		JX203867.1
Tamoya_haplonema		GQ849122.1	GQ849085.2	GQ849062.1	HQ824530.1
Tamoya_ohboya		HQ824528.1			HQ824532.1
Tamoya_sp		GQ849095.1	GQ849086.1	GQ849063.1	GQ150264.1
Tanacetipathes_barbadensis		FJ376988.1	FJ626244.1	FJ626240.1	FJ381650.1
Telestula_sp			FJ389265.1		FJ264917.1
Telmatactis_sp	JF832968.1	JF832979.1	KJ483013.1		
Terrazoanthus_sp		JX119153.1			JX119168.1
Tetracapsuloides_bryosalmonae			FJ981823.1	FJ417077.1	
Tetraplatia_volitans			DQ002501.1	DQ002502.1	GQ120091.1
Thalamophyllia_gasti	EF597086.1	AF265590.1			

Thecocodium_quadratum		AY512514.1			KT981908.1
Thelohanellus_kिताuei			KU664644.1	JQ690369.1	
Thelohanellus_wuhanensis			HQ613410.1	JQ690372.1	
Thouarella_antarctica			KP324720.1		KP677914.1
Thouarella_chilensis			KP324700.1		KP677910.1
Thouarella_coronata			KP324735.1		KP678018.1
Thouarella_crenelata			KP324739.1		KP677912.1
Thouarella_grasshoffi		FJ358833.1	FJ526218.1		FJ268636.1
Thouarella_laxa			KP324671.1		KP677950.1
Thouarella_pendulina			KP324661.1		KP677941.1
Thouarella_sp			KP324680.1		KP677902.1
Thouarella_variabilis			KP324639.1		KP677913.1
Thouarella_viridis			KP324637.1		KP677903.1
Thuiaria_thuja		AY787908.1	EU305503.1	EU305536.1	
Thyroscyphus_ramosus		KM822774.1	KM822775.1	KM822776.1	
Tiaricodon_coeruleus		JQ715981.1	KF962296.1		JQ716123.1
Tiaropsidium_kelseyi		AY512517.1	AF358079.1	EU305537.1	
Tiaropsis_multicirrata		FJ550468.1	FJ550531.1	FJ550386.1	KC440034.1
Tima_formosa		JQ715993.1			JQ716166.1
Titanideum_frauenfeldii		FJ643594.1	FJ643591.1		FJ264916.1
Tokoprymno_sp			KP324714.1		KP677996.1
Triactis_producta	EU490525.1		EU190876.1	KJ483125.1	
Trichogorgia_capensis			JN227970.1		JN227959.1
Trichoplax_adhaerens	NC008151.2	NC008151.2	L10828.1	AY603697.1	DQ112541
Tripedalia_cystophora		GQ849124.1	EU272637.1	GQ849065.1	
Trissopathes_pseudotristicha		FJ376991.1	FJ389899.1	FJ429305.1	FJ381656.1
Tropidocyathus_labidus	EF597062.1	AF265585.1			
Truncatoflabellum_sp	EF596985.1				HM018673.1
Tubastraea_aurea	AF333064.1				AB441235.1
Tubastraea_coccinea	EF597045.1	L76022.1	JQ688008.1		DQ445806.1
Tubipora_musica			AF052909.1		KC864936.1
Tubularia_indivisa		EU876544.1	EU876571.1	EU879942.1	JX121596.1
Turbinaria_peltata	EF597044.1	L76023.1			AB907099.1
Turritopsis_dohrnii		EU624355.1	EU272638.1	EU272596.1	
Turritopsis_lata		JQ715943.1	KF962297.1	KF962372.1	KF962182.1
Turritopsis_nutricula		EU624348.1	KT722442.1	KT757169.1	JQ353763.1
Turritopsis_rubra		EF540800.1			EF540795.1
Turritopsis_sp		EU305486.1	EU305504.1	EU305538.1	
Umbellula_sp			AF052904.1		KF874187.1
Umimayanthus_chanpuru		KR092459.1			KR092582.1

Umimayanthus_miyabi		KR092454.1			KR092569.1
Umimayanthus_nakama		KR092458.1			KR092575.1
Umimayanthus_sp		KR092448.1			KR092574.1
Unicapsula_seriolae			AB971677.1	AB971678.1	
Unicauda_pelteobagrus			KC193254.1	HQ230327.1	
Urticina_columbiana		U91753.1			U91613.1
Urticina_coriacea	GU473282.1	U91752.1	EU190877.1	KT852266.1	U91615.1
Urticina_crassicornis	KT851997.1	U91750.1	KT852127.1		U91612.1
Urticina_fecunda	KT852004.1		KT852135.1		
Urticina_felina	KT265262.1	U91751.1	KT265270.1	KT265273.1	U91610.1
Urticina_grebelnyi	KT852034.1	KT852098.1	KT852163.1		
Urticina_lofotensis		U91754.1			U91614.1
Urticina_sp	KT265264.1	U91749.1	KT265269.1	KT265271.1	U91611.1
Varitentacula_yantaiensis		HM053551.1			HM053543.1
Velella_sp			AF358087.1	EU272597.1	
Velella_velella		EU305487.1	EU876576.1	EU879949.1	
Velkovrha_enigmatica		KP776803.1			KT981918.1
Verrillactis_paguri	FJ489414.1	FJ489433.1	FJ489451.1		
Viatrix_globulifera	KJ482940.1	KJ482949.1	KJ483025.1	KJ483122.1	
Xenia_sp			AF052931.1		KJ511388.1
Zanclaea_costata		EU876553.1	EU876579.1	EU879951.1	
Zanclaea_prolifera		EU305488.1	EU272639.1	EU272598.1	
Zanclaea_sp		KF962534.1	KF962301.1	KF962375.1	KF962188.1
Zibrowius_ammophilus		KC218438.1	KC218407.1		KC218394.1
Zibrowius_sp	KJ459385.1	KJ459375.1			
Zoanthus_gigantus		AB235411.1			AB214177.1
Zoanthus_kuroshio		AB235410.1			AB214175.1
Zoanthus_pulchellus	GQ464969.1	EU828762.1			KT454374.1
Zoanthus_sansibaricus	KT266276.1	JX845318.1			AB214162.1
Zoanthus_sociatus		EU348606.1			EU348616.1
Zoanthus_solanderi		JX119151.1			JX119157.1
Zoanthus_sp	AY995920.1	KP176682.1			AB194014.1
Zoanthus_vietnamensis		AB235409.1			KF499705.1
Zoopilus_echinatus	EF596990.1	L76024.1			EU149916.1
Zschokkella_nova			DQ377690.1	FJ417078.1	
Zschokkella_parasiluri			DQ377689.1	FJ417066.1	
Zschokkella_sp			KM401441.1	FJ417080.1	
Zyzzyzus_warreni		EU305489.1		EU272599.1	JX121597.1