

**Supplementary Table 1.** List of taxa and sequences used for phylogenetic analysis. Sequences generated in this study are highlighted in bold.

	12S	16S	18S	28S	COIII
<i>Acricoactis brachyacontis</i>	KX451131	KX451133	KX451135	-	KX451137
<i>Actinauge richardi</i>	EU190719	EU190761	EU190850	KJ483055	FJ489480
<i>Actinernus elongatus</i>	KJ482930	KJ482966	KJ483023	KJ483126	-
<i>Actinernus robustus</i>	LC768522	-	LC484632	LC768597	-
<i>Actinia fragacea</i>	EU190714	EU190756	EU190845	KJ483085	GU473334
<i>Actinia tenebrosa</i>	KT852045	KT852111	KT852174	-	KT852330
<i>Actinoscyphia plebeia</i>	EU190712	EU190754	FJ489437	KJ483067	FJ489476
<i>Actinostola chilensis</i>	-	GU473285	GU473302	KJ483110	GU473357
<i>Actinostola crassicornis</i>	-	EU190753	EU190843	KJ483098	GU473332
<i>Actinostola faeculenta</i> 39 LV82	MZ569933	MZ567242	MZ569908	MZ569961	MZ576864
<i>Actinostola faeculenta</i> 46 LV82	MZ569935	MZ567244	MZ569910	MZ569963	MZ576866
<i>Actinostola faeculenta</i> 54 LV82	MZ569936	MZ567245	MZ569911	-	MZ576867
<i>Actinostola faeculenta</i> 73 LV82	MZ569943	MZ567252	MZ569916	MZ569967	MZ576874
<i>Actinostola georgiana</i>	KJ482928	KJ482952	KJ483032	KJ483099	KJ482991
<i>Actinostola red</i> 62	MZ569938	MZ567247	MZ569912	MZ569964	MZ576869
<i>Actinostola sp</i> 2 LV82	MZ569931	MZ567240	MZ569907	MZ569959	MZ576862
<i>Actinostola sp</i> 29 LV82	MZ569932	MZ567241	-	MZ569960	MZ576863
<i>Actinostola sp</i> 63 LV82	MZ569939	MZ567248	-	-	MZ576870
<i>Actinostola sp</i> 64 LV82	MZ569940	MZ567249	MZ569913	-	MZ576871
<i>Actinostola sp</i> 66 LV82	MZ569941	MZ567250	MZ569915	MZ569965	MZ576872
<i>Actinostola sp</i> 67 LV82	MZ569942	MZ567251	MZ569915	MZ569966	MZ576873
<i>Actinostola sp</i> Kamchatka	-	MZ567255	MZ569917	MZ569970	MZ576877
<i>Actinothoe sphyrodeta</i>	FJ489401	FJ489421	FJ489440	KJ483111	FJ489481
<i>Adamsia palliata</i>	FJ489398	FJ489419	FJ489436	KJ483101	FJ489474
<i>Aiptasia couchii</i>	KP761199	KP761254	KP761301	-	KP761405
<i>Aiptasia couchii</i> 2	KP761200	KP761255	KP761303	-	KP761403
<i>Aiptasia mutabilis</i>	JF832963	FJ489418	FJ489438	KJ483115	FJ489505
<i>Aiptasia mutabilis</i> 2	KP761194	KP761248	KP761300	-	KP761404
<i>Aiptasiogeton hyalinus</i>	KR704266	KR186040	KR704268	-	-
<i>Alicia mirabilis</i>	KP761213	-	KP761310	KP761329	KP761410
<i>Alicia sansibarensis</i>	KJ482933	KJ482953	KJ483016	KJ483116	KJ483000
<i>Allantactis parasitica</i>	FJ489399	FJ489420	FJ489439	KJ483056	FJ489478
<i>Alvinactis chessi</i>	GU473278	GU473296	GU473312	KJ483052	GU473352
<i>Amphianthus sp.</i>	FJ489413	FJ489432	FJ489450	FJ489467	FJ489502
<i>Andvakia bonienseis</i>	EU190717	EU190759	EU190848	KJ483053	FJ489479
<i>Andvakia discipulorum</i>	GU473273	GU473287	GU473316	KJ483051	-
<i>Anemonactis minuta</i>	MW724529	MW725091	-	-	MW735963
<i>Anemonia erythraea</i>	KY789302	KY789335	-	-	KY789271
<i>Anemonia viridis</i>	EU190718	EU190760	EU190849	EU190806	GU473335
<i>Antennapeachia jambio</i>	MW724530	MW725090	MW725225	-	MW735964
<i>Antholoba achates</i> Argentina	GU473269	GU473284	GU473301	KJ483128	GU473356
<i>Antholoba achates</i> Chile	KR051002	KR051002	-	-	KR051002
<i>Antholoba fabiani</i> Brazil	OR014502	OR000444	OR470688	OR001827	OR069378
<i>Anthopleura anjunae</i>	KY789324	-	-	KY789388	KY789289
<i>Anthopleura annea</i>	KY789327	KY789360	-	KY789392	KY789293
<i>Anthopleura artemisia</i>	KT852015	KT852081	KT852148	-	KT852300
<i>Anthopleura atodai</i>	KT851993	KT852055	KT852123	KT852247	KT852275
<i>Anthopleura ballii</i>	KY789311	KY789346	-	KY789376	KY789281
<i>Anthopleura buddemeieri</i>	KY789316	KY789351	-	KY789381	-
<i>Anthopleura dixoniana</i>	KY789307	KY789341	-	-	KY789276

<i>Anthopleura dowii</i>	KY789318	KY789353	-	KY789383	KY789286
<i>Anthopleura elegantissima</i>	EU190713	EU190755	EU190844	KT852248	GU473333
<i>Anthopleura fuscoviridis</i>	KY789303	KY789336	-	KY789369	KY789272
<i>Anthopleura handi</i>	KT852013	KT852079	KT852146	KY789387	KT852298
<i>Anthopleura insignis</i>	KY789331	KY789364	-	KY789395	KY789297
<i>Anthopleura japonica</i>	KY789310	KY789345	-	-	KY789280
<i>Anthopleura krebsi</i>	KY789305	KY789339	-	KY789372	KY789275
<i>Anthopleura kurogane</i> Japan	KY789323	KY789356	-	-	-
<i>Anthopleura kurogane</i> Korea	KY789321	KY789355	-	KY789385	KY789288
<i>Anthopleura nigrescens</i>	KY789309	KY789344	-	KY789375	KY789279
<i>Anthopleura nigrescens</i> Galapagos	-	KY789343	-	KY789373	KY789278
<i>Anthopleura pallida</i>	KY789308	KY789342	-	-	KY789277
<i>Anthopleura rosea</i>	KT852039	KT852104	KT852168	-	KT852324
<i>Anthopleura sola</i>	-	KY789365	-	-	-
<i>Anthopleura</i> sp. Green	-	KY789337	-	KY789370	KY789273
<i>Anthopleura</i> sp. inornata	KY789304	KY789338	-	KY789371	KY789274
<i>Anthopleura</i> sp. South Africa	KY789329	KY789362	-	KY789393	KY789295
<i>Anthopleura thallia</i>	KY789333	KY789366	-	KY789397	KY789300
<i>Anthopleura variata</i>	OR882882	OR882857	OR882861	OR882865	OR865724
<i>Anthopleura waridi</i>	KY789301	KY789334	-	KY789368	KY789270
<i>Anthopleura xanthogrammica</i>	-	KY789367	-	KY789398	-
<i>Anthosactis janmayeni</i>	KJ482938	GU473292	GU473308	KJ483091	GU473363
<i>Anthostella stephensoni</i>	JQ810719	JQ810721	JQ810723	KJ483132	JQ810726
<i>Anthothoe chilensis</i>	FJ489397	FJ489416	FJ489434	FJ489453	FJ489470
<i>Aulactinia incubans</i>	KT852014	KT852080	KT852147	KT852256	KT852299
<i>Aulactinia reynaudi</i>	KT852041	KT852106	KT852170	KT852260	KT852326
<i>Aulactinia stella</i> 1	KT310208	JQ927444	KT852173	KT852263	KT310207
<i>Aulactinia stella</i> 2	KT852044	KT852110	KT852173	KT852263	KT852329
<i>Aulactinia stella</i> Kamch	-	MW491958	-	MW491996	-
<i>Aulactinia stella</i> KolaP	-	MW491959	-	MW491997	-
<i>Aulactinia stella</i> Pacific 1	KT310188	KT310198	-	-	KT310210
<i>Aulactinia stella</i> Pacific 2	KT310189	KT310199	-	-	KT310211
<i>Aulactinia stella</i> Pacific 5	KT310192	KT310202	-	-	KT310214
<i>Aulactinia vancouverensis</i> Alaska	PP946958	PP946944	PP946951	PP946965	PP951986
<i>Aulactinia vancouverensis</i> BC	PP946959	PP946945	PP946952	PP946966	PP951987
<i>Aulactinia vancouverensis</i> L	KT852019	KT852085	KT852151	-	KT852305
<i>Aulactinia veratra</i>	KT852001	KT852063	KT852131	-	KT852283
<i>Aulactinia verrucosa</i>	EU190723	EU190766	EU190854	KT852250	FJ489484
<i>Bartholomea annulata</i>	EU190721	EU190763	EU190851	KJ483068	FJ489483
<i>Bathypheilia australis</i>	FJ489402	FJ489422	EF589063	EF589086	FJ489482
<i>Bellactis ilkalyseae</i>	-	KP761238	KP761316	-	KP761393
<i>Bellactis</i> Ilkalyseae 2	KR186020	KR186036	KR186051	-	-
<i>Bolocera kerguelensis</i>	KJ482925	KJ482965	KJ483029	KJ483133	KJ482985
<i>Bolocerooides mcMurrichi</i>	GU473270	-	EU190852	KJ483103	KJ483002
<i>Bunodeopsis globulifera</i>	KJ482940	KJ482949	KJ483025	KJ483122	KJ482992
<i>Bunodosoma californicum</i>	KY789312	KY789347	-	KY789377	-
<i>Bunodosoma capense</i>	KY789332	-	-	KY789396	KY789298
<i>Bunodosoma cavernatum</i>	KY789313	KY789348	-	KY789378	KY789282
<i>Bunodosoma grande</i>	EU190722	EU190765	EU190853	KJ483083	GU473336
<i>Bunodosoma granuliferum</i>	KY789314	KY789349	-	KY789379	KY789283
<i>Bunodosoma</i> sp. South Africa	KY789330	KY789363	-	KY789394	KY789296
<i>Cactosoma</i> sp.	GU473279	GU473297	GU473313	GU473329	GU473346
<i>Calliactis japonica</i>	FJ489403	FJ489423	FJ489441	KJ483057	FJ489486
<i>Calliactis parasitica</i>	EU190711	EU190752	EU190842	KJ483102	FJ489475

<i>Calliactis polypus</i>	FJ489407	FJ489427	FJ489445	KJ483058	FJ489485
<i>Calliactis tigris</i>	MK801512	MK801514	MK801510	MK801516	MK801561
<i>Calliactis tricolor</i>	FJ489405	FJ489425	FJ489443	KJ483059	FJ489488
<i>Capnea georgiana</i>	-	KJ482951	KJ483022	KJ483050	KJ482990
<i>Capnea japonica</i>	LC602145	LC602146	LC602147	LC602148	LC602149
<i>Carcinactis dolosa</i>	MN266878	MN266877	MN266880	MN266874	MN295038
<i>Cereus herpetodes</i>	JF832956	JF832969	JF832983	JF832992	-
<i>Cereus pedunculatus</i>	EU190724	EU190767	EU190855	EU190813	FJ489471
<i>Charisea saxicola</i>	KT852020	KT852086	KT852152	-	KT852306
<i>Chitinactis marmara</i>	MT676806	MT676783	MT676785	MT676789	MT790710
<i>Chondrophellia orangina</i>	FJ489406	FJ489426	FJ489444	KJ483060	FJ489489
<i>Cribrinopsis albopunctata 1</i>	MH385362	MH385367	MH376912	MH380005	MK304506
<i>Cribrinopsis albopunctata 2</i>	MH385362	MH385367	MH376912	MH380006	MK304506
<i>Cribrinopsis albopunctata 3</i>	MH385362	MH385367	MH376913	MH380006	MK304506
<i>Cribrinopsis albopunctata 4 akv</i>	PP902549	PP902554	PP902559	PP902564	PP915637
<i>Cribrinopsis fernaldi BC1</i>	MH385364	MH385369	MH376917	MH380009	MK304508
<i>Cribrinopsis fernaldi BC2</i>	MH385364	MH385369	MH376918	MH380010	MK304508
<i>Cribrinopsis fernaldi BC3</i>	MH385364	MH385369	MH376918	MH380011	MK304508
<i>Cribrinopsis olegi</i>	MH385361	MH385366	MH376911	MH380004	MK304505
<i>Cribrinopsis rubens 1</i>	MH385363	MH385368	MH376914	MH380007	MK304507
<i>Cribrinopsis rubens 2</i>	MH385363	MH385368	MH376915	MH380008	MK304507
<i>Cribrinopsis rubens 3</i>	MH385363	MH385368	MH376916	MH380008	MK304507
<i>Cribrinopsis similis BS1</i>	MH385365	MH385370	MH376919	MH380012	MK304509
<i>Cribrinopsis similis NF1</i>	MK287981	MK307748	MK307728	MK307740	MK304514
<i>Cribrinopsis similis NF2</i>	MK287981	MK307748	MK307729	MK307741	MK304514
<i>Cribrinopsis sp. red LV82 18 65</i>	PP902551	PP902556	PP902561	PP902566	PP915639
<i>Cribrinopsis sp. red LV82 7 26</i>	PP902550	PP902555	PP902560	PP902565	PP915638
<i>Cribrinopsis sp. white LV82 T3 78</i>	PP902552	PP902557	PP902562	PP902567	PP915640
<i>Cricophorus nutrix</i>	-	KT852066	KT852134	-	KT852286
<i>Cyananthea hourdezi</i>	GU473275	GU473293	GU473309	KJ483081	GU473364
<i>Cylista elegans</i>	-	JF832970	JF832989	JF832994	JF833012
<i>Cylista troglodytes</i>	EU190746	KT852107	EU190872	KT852261	FJ489499
<i>Dactylanthus antarcticus</i>	GU473272	AY345877	AF052896	KJ483086	GU473358
<i>Diadumene cincta</i>	EU190725	EU190769	EU190856	KJ483106	FJ489490
<i>Diadumene leucolena</i>	JF832957	JF832977	JF832986	KJ483123	JF833006
<i>Diadumene lineata Japan</i>	JF832965	JF832973	JF832987	KJ483107	JF833007
<i>Diadumene lineata USA</i>	EU190730	EU190774	EU190860	KJ483108	FJ489506
<i>Diadumene sp.</i>	JF832960	JF832976	JF832980	KJ483130	JF833005
<i>Edwardsia andresi</i>	-	-	AF254374	-	-
<i>Edwardsia elegans 1</i>	EU190726	EU190770	AF254376	KJ483087	GU473338
<i>Edwardsia elegans 2</i>	-	-	-	AY345870	-
<i>Edwardsia japonica 1</i>	GU473274	GU473288	GU473304	KJ483048	GU473359
<i>Edwardsia japonica 2</i>	-	-	-	GU473321	-
<i>Edwardsia timida 1</i>	-	KT852113	-	KT852265	KT852332
<i>Edwardsia timida 2</i>	GU473281	GU473299	GU473315	-	-
<i>Edwardsia tuberculata</i>	-	-	AF254381	-	-
<i>Edwardsianthus amethystus</i>	LC649470	LC649478	LC649486	-	-
<i>Edwardsianthus carbunculus</i>	LC649472	LC649480	LC649488	-	-
<i>Edwardsianthus gilbertensis 1</i>	EU190728	EU190772	EU190859	EU190817	-
<i>Edwardsianthus gilbertensis 2</i>	-	LC649481	LC649489	-	-
<i>Edwardsianthus gilbertensis 3</i>	LC649468	LC649476	LC649484	-	-
<i>Edwardsianthus pudicus</i>	LC649467	LC649475	LC649483	-	-
<i>Edwardsianthus pudicus 38</i>	-	<b>PX056174</b>	<b>PX056182</b>	<b>PX056190</b>	-
<i>Edwardsianthus pudicus 42 1</i>	<b>PX056171</b>	<b>PX056175</b>	<b>PX056183</b>	<b>PX056191</b>	-

Edwardsianthus pudicus 42_2	-	<b>PX056176</b>	<b>PX056184</b>	<b>PX056192</b>	-
Edwardsianthus pudicus 42_3	-	<b>PX056177</b>	<b>PX056185</b>	<b>PX056193</b>	-
Edwardsianthus sapphirus	LC649469	LC649477	LC649485	-	-
Edwardsianthus smaragdus	LC649471	-	-	-	-
Edwardsianthus_vostok_1	<b>PX056172</b>	<b>PX056178</b>	<b>PX056186</b>	<b>PX056194</b>	-
Edwardsianthus_vostok_2	-	<b>PX056179</b>	<b>PX056187</b>	<b>PX056195</b>	-
Edwardsianthus_vostok_3	<b>PX056173</b>	<b>PX056180</b>	<b>PX056188</b>	<b>PX056196</b>	-
Edwardsianthus_vostok_4	-	<b>PX056181</b>	<b>PX056189</b>	<b>PX056197</b>	<b>PX060958</b>
Edwardsiella loveni	KX946216	KX946212	KX946218	KX946219	KX946217
Entacmaea quadricolor	MK519405	MK519459	MK519568	MK519643	MK522443
Epiactis australiensis	KT852000	KT852062	KT852130	-	KT852282
Epiactis fernaldi	KT852005	KT852068	KT852136	KT852252	KT852288
Epiactis georgiana	KT852007	KT852070	KT852138	KT852254	KT852290
Epiactis handi	KT851988	KT852050	KT852118	KT852245	KT852269
Epiactis handi	KT852009	KT852072	KT852140	KT852255	KT852292
Epiactis handi 1	KT852002	KT852064	KT852132	KT852251	KT852284
Epiactis japonica 1	KT851991	KT852053	KT852121	-	KT852272
Epiactis japonica 2	KT852025	KT852090	KT852155	-	KT852310
Epiactis japonica 3	KY789317	KY789352	-	KY789382	KY789285
Epiactis japonica 4	KT852048	KT852116	KT852178	-	KT852333
Epiactis japonica Pacific 1	KT310193	KT310203	-	-	KT310215
Epiactis japonica Pacific 2	KT310194	KT310204	-	-	KT310215
Epiactis japonica Pacific 3	KT310195	KT310205	-	-	KT310215
Epiactis japonica Pacific 4	KT310196	KT310206	-	-	KT310215
Epiactis lisbethae 1	KT852006	KT852069	KT852137	KT852253	KT852289
Epiactis lisbethae 2	EU190727	EU190771	EU190858	EU190816	GU473360
Epiactis prolifera 1	KT851989	KT852051	KT852119	KT852246	KT852270
Epiactis prolifera 2	KT852003	KT852065	KT852133	-	KT852285
Epiactis prolifera 3	KY789320	KY789354	-	KY789384	KY789287
Epiactis ritteri 1	KT851994	KT852056	KT852124	-	KT852276
Epiactis ritteri 2	KT851995	KT852057	KT852125	-	KT852277
Epiactis ritteri 3	KT852022	KT852088	KT852154	-	KT852308
Epiactis thompsoni 1	KT852010	KT852073	KT852141	-	KT852293
Epiactis thompsoni 2	KT852011	KT852074	KT852142	-	KT852294
Exaiptasia brasiliensis	KP761188	KP761239	KP761312	-	KP761386
Exaiptasia diaphana	KP761176	KP761226	KP761280	KP761327	KP761376
Exaiptasia pallida 1	KP761183	KP761270	KP761286	-	-
Exaiptasia pulchella	EU190715	EU190757	EU190846	EU190803	KJ482979
Exocoelactis actinostoloides	KP793003	KP793004	-	-	-
Galatheanthemum profundale	KJ482919	KJ482954	KJ483011	KJ483119	KJ482978
Galatheanthemum sp.	KJ482918	KJ482955	KJ483012	KJ483065	KJ482977
Glyphoperidium bursa	KJ482923	KJ482961	KJ483033	KJ483136	KJ482982
Gonactinia prolifera Chile	KJ482935	-	KJ483008	KJ483112	KJ482994
Gonactinia prolifera USA	KJ482937	KJ482969	KJ483009	KJ483077	KJ482995
Gyractis sesere	KT852012	KT852078	KT852145	-	KT852297
Gyractis sp. Oman	KY789325	KY789357	-	KY789390	KY789290
Halcampa duodecimcirrata	JF832966	EU190776	AF254375	-	-
Halcampoides purpureus	EU190735	EU190780	AF254380	EU190824	-
Halcampoides purpureus full	KR051003_12S	KR051003_16S	-	-	KR051003_COIII
Halcampoides purpureus GR2021	MT676807	MT676782	-	-	MT790709
Halcampoides sp. Kamchatka	MZ569946	MZ567256	MZ569918	MZ569971	MZ576878
Halcampulactis solimar	MK279362	MK279363	MK279364	-	MK279366
Halcurias fragum 1	LC768536	LC768561	LC768586	LC768613	-

<i>Halcurias fragum</i> 2	LC768537	LC768562	LC768587	LC768614	-
<i>Halcurias fragum</i> 3	LC768538	LC768563	LC768588	LC768615	-
<i>Halcurias hiroomii</i> 1	-	LC768556	LC768581	LC768608	-
<i>Halcurias hiroomii</i> 2	-	LC768557	LC768582	LC768609	-
<i>Halcurias hiroomii</i> 3	-	LC768558	LC768583	LC768610	-
<i>Halcurias hiroomii</i> 4	-	LC768559	LC768584	LC768611	-
<i>Halcurias hiroomii</i> 5	LC768535	LC768560	LC768585	LC768612	-
<i>Halcurias pilatus</i>	KJ482931	KJ482967	KJ483020	KJ483109	KJ482997
<i>Haloclava producta</i>	EU190734	EU190779	AF254379	KJ483097	JF833008
<i>Haloclava</i> sp.	KJ482924	KJ482963	-	-	KJ482989
<i>Harenactis argentina</i>	KJ482926	KJ482964	KJ483026	KJ483047	KJ482984
<i>Heteractis aurora</i>	MK519414	MK519469	-	-	MK522453
<i>Heteractis magnifica</i>	EU190732	EU190777	EU190862	KJ483093	KJ482988
<i>Hormathia armata</i>	EU190731	EU190775	EU190861	KJ483062	FJ489491
<i>Hormathia lacunifera</i>	FJ489409	FJ489428	FJ489446	KJ483063	FJ489492
<i>Hormathia pectinata</i>	FJ489415	FJ489430	FJ489448	FJ489465	FJ489497
<i>Hormosoma scotti</i>	EU190733	EU190778	EU190863	KJ483090	GU473366
<i>Isactinernus quadrilobatus</i> 1	-	LC484643	LC484638	LC768598	-
<i>Isactinernus quadrilobatus</i> 2	KJ482932	KJ482968	KJ483024	KJ483105	KJ482998
<i>Isactinia olivacea</i>	-	KT852077	KT852144	-	KT852296
<i>Isanthus capensis</i>	JF832967	GU473291	GU473307	KJ483096	GU473362
<i>Isohalcurias carlgreni</i> 1	LC768539	LC768564	LC768589	LC768616	-
<i>Isohalcurias carlgreni</i> 2	LC768540	LC768565	LC768590	LC768617	-
<i>Isohalcurias carlgreni</i> 3	LC768541	LC768566	LC768591	LC768618	-
<i>Isohalcurias carlgreni</i> 4	-	LC768567	LC768592	LC768619	-
<i>Isohalcurias citreum</i> 1	LC768542	LC768569	LC768593	LC768620	-
<i>Isohalcurias citreum</i> 2	LC768543	LC768570	-	-	-
<i>Isohalcurias citreum</i> 3	LC768544	-	LC768595	LC768621	-
<i>Isohalcurias malum</i> 1	LC768545	LC768571	-	LC768622	-
<i>Isohalcurias malum</i> 2	LC768546	LC768572	LC768596	LC768623	-
<i>Isoparactis fabiani</i>	JF832964	GU473283	GU473300	KJ483124	GU473355
<i>Isoparactis ferax</i>	KC700002	-	KC700005	KC700006	KC700008
<i>Isoparactis fionae</i>	KC700001	KC700003	KC700004	-	KC700007
<i>Isosicyonis alba</i>	-	KJ482959	-	-	KJ482981
<i>Isotealia antarctica</i>	JQ810720	JQ810722	-	-	JQ810727
<i>Jasonactis erythraios</i>	-	GU473289	GU473305	KJ483079	GU473339
<i>Kadosactis antarctica</i>	FJ489410	EU190782	EU190865	KJ483080	FJ489504
<i>Korsaranthus natalensis</i>	KJ482920	KJ482958	KJ483017	KJ483117	KJ482987
<i>Laviactis lucida</i>	KP761192	KP761243	KP761296	-	KP761402
<i>Liponema brevicorne</i>	EU190738	EU190784	EU190866	KJ483139	KJ483001
<i>Liponema multiporum</i>	KJ482922	KJ482962	-	-	-
<i>Macroductyla dorensis</i>	EU190739	EU190785	EU190867	KJ483049	GU473342
<i>Metapeachia tropica</i> 1	MW158842	MW158859	MW725226	MW158877	MW158889
<i>Metapeachia tropica</i> 2	MW158845	MW158862	MW725227	MW158879	MW158892
<i>Metapeachia tropica</i> 3	-	MW763149	MW725228	MW763144	-
<i>Metridium farcimen</i>	MT893228	MT893265	-	-	MT896170
<i>Metridium</i> s. <i>fibriatum</i> (Japan)	-	JF832974	JF832988	JF832996	JF833009
<i>Metridium senile</i>	KJ482916	KJ482950	KJ483035	KJ483113	KJ482975
<i>Metridium senile</i> (WA, USA)	EU190740	JF832972	JF832982	KJ483076	JF833003
<i>Metridium senile</i> 1	KT852024	EU190786	AF052889	EU190829	FJ489494
<i>Metridium senile</i> 2 Argentina	JF832962	JF832971	JF832981	JF832991	JF833002
<i>Nemanthus nitidus</i>	EU190741	EU190787	EU190868	KJ483064	FJ489495
<i>Nematostella vectensis</i>	EU190750	AY169370	AF254382	KJ483089	FJ489501
<i>Neoaiptasia morbilla</i>	EU190742	EU190788	-	KJ483075	JF833010

<i>Ophiodiscus bukini</i>	MZ569953	MZ567263	MZ569925	MZ569978	MZ576885
<i>Ostiactis pearseae</i>	EU190751	EU190798	EU190878	KJ483082	GU473365
<i>Oulactis muscosa</i>	KT852033	KT852097	KT852162	KY789391	KT852317
<i>Paracalliactis</i> sp.	FJ489411	FJ489429	FJ489447	KJ483061	FJ489496
<i>Paranthus niveus</i>	GU473277	GU473295	GU473311	KJ483072	GU473344
<i>Paraphelliactis</i> sp.	FJ489412	FJ489431	FJ489449	FJ489466	FJ489498
<i>Peachia cylindrica</i>	EU190743	EU190789	KJ483015	EU190832	MW735965
<i>Peachia quinquecapitata</i>	MW724531	MW725092	MW725229	MW737673	MW735966
<i>Peronanthus</i> sp.	KJ482917	KJ482956	KJ483014	KJ483066	KJ482976
<i>Phellia exlex</i>	JF832958	JF832978	JF832984	KJ483121	JF833004
<i>Phellia gausapata</i>	EU190744	EU190790	EU190870	KJ483054	FJ489473
<i>Phlyctenactis tuberculosa</i>	KY789326	KY789359	-	-	KY789292
<i>Phymactis clematis</i>	-	KY789358	-	-	KY789291
<i>Phymanthus crucifer</i> 1	KJ910343	KJ910345	MH670399	MH670928	KJ910346
<i>Phymanthus crucifer</i> 2	KJ910344	KJ910345	MH670402	-	KJ910346
<i>Phymanthus loligo</i>	EU190745	EU190791	EU190871	-	GU473345
<i>Preactis millardae</i>	KJ482921	KJ482957	KJ483018	KJ483118	KJ482986
<i>Protanthea simplex</i>	KJ482939	KJ482970	KJ483010	KJ483078	KJ482993
<i>Pseudactinia varia</i>	KY789328	KY789361	-	-	KY789294
<i>Sagartia lacerata</i>	EU190748	EU190794	EU190874	KJ483071	FJ489500
<i>Sagartia undata</i>	FJ489400	FJ489417	FJ489435	KJ483070	FJ489472
<i>Sagartiogeton awii</i>	GU473271	GU473286	GU473303	KJ483074	GU473337
<i>Sagartiogeton californicus</i> 1	OP766354	OP766348	OP766366	OP766360	OP750423
<i>Sagartiogeton californicus</i> 2	OP766355	OP766349	OP766367	OP766361	OP750424
<i>Sagartiogeton californicus</i> 3	OP766356	OP766350	OP766368	OP766362	OP750425
<i>Sagartiogeton californicus</i> 4	OP766357	OP766351	OP766369	OP766363	OP750426
<i>Sagartiogeton rufus</i> 1	OP766352	OP766346	OP766364	OP766358	OP750421
<i>Sagartiogeton rufus</i> 2	OP766353	OP766347	OP766365	OP766359	OP750422
<i>Scolanthus celticus</i>	MN200251	MN200244	MN200240	MN200243	MN196672
<i>Scolanthus shrimp</i>	MN200242	MN200264	MN200245	MN200241	MN196671
<i>Scytophorus striatus</i>	MT737290	MT676781	MT676784	MT676788	MT790708
<i>Sicyonis denisovi</i> MIMB 41366	MZ569948	MZ567258	MZ569920	MZ569973	MZ576880
<i>Sicyonis denisovi</i> MIMB 41367	MZ569949	MZ567259	MZ569921	MZ569974	MZ576881
<i>Sicyonis denisovi</i> MIMB 41368	MZ569947	MZ567257	MZ569919	MZ569972	MZ576879
<i>Sicyonis denisovi</i> MIMB 41371	MZ569950	MZ567260	MZ569922	MZ569975	MZ576882
<i>Sicyonis denisovi</i> MIMB 41372	MZ569951	MZ567261	MZ569923	MZ569976	MZ576883
<i>Sicyonis kuznetsovi</i>	MZ569952	MZ567262	MZ569924	MZ569977	MZ576884
<i>Spongiactis japonica</i>	-	KX946214	-	-	-
<i>Stephanthus antarcticus</i>	KJ482927	KJ482960	KJ483019	KJ483092	KJ482983
<i>Stichodactyla gigantea</i>	EU190747	EU190793	-	EU190835	KY789299
<i>Stomphia coccinea</i> Kamchatka	MZ569945	MZ567254	-	MZ569969	MZ576876
<i>Stomphia didemon</i>	KJ482929	EU190795	EU190875	KJ483127	GU473348
<i>Stomphia selaginella</i>	GU473280	GU473298	GU473314	GU473331	GU473349
<i>Stomphia</i> sp 43 LV82	MZ569934	MZ567243	MZ569909	MZ569962	MZ576865
<i>Stomphia</i> sp 61 LV82	MZ569937	MZ567246	-	-	MZ576868
<i>Stomphia</i> sp 74 LV82	MZ569944	MZ567253	-	MZ569968	MZ576875
<i>Synactinernus churaumi</i> 1	LC768532	LC484641	LC484636	LC768606	-
<i>Synactinernus churaumi</i> 2	LC768533	LC484642	LC484637	LC768607	-
<i>Synactinernus churaumi</i> 3	-	LC768554	LC768579	-	-
<i>Synactinernus churaumi</i> 4	LC768534	LC768555	LC768580	-	-
<i>Synactinernus flavus</i> 1	LC768525	LC484639	LC484633	LC768602	-
<i>Synactinernus flavus</i> 2	LC768526	LC484640	LC484634	LC768603	-
<i>Synactinernus flavus</i> 3	LC768527	LC768549	LC768575	LC768604	-
<i>Synactinernus flavus</i> 4	LC768528	LC768550	LC768576	-	-

<i>Synactinernus flavus</i> 5	LC768529	LC768551	LC768577	-	-
<i>Synactinernus flavus</i> 6	LC768530	LC768552	LC768578	-	-
<i>Synactinernus flavus</i> 7	LC768531	LC768553	LC484635	LC768605	-
<i>Synhalcurias elegans</i>	-	-	KJ483021	KJ483120	-
<i>Synhalcurias elegans</i> 1	-	-	LC768573	LC768599	-
<i>Synhalcurias elegans</i> 2	-	LC768547	LC768574	LC768600	-
<i>Synhalcurias kahakui</i>	-	LC768548	-	LC768601	-
<i>Synpeachia temasek</i>	MW724532	MW725093	MW725230	MW737674	MW735967
<i>Tealidium konoplinorum</i> MIMB 41358	MZ569956	MZ567267	MZ569929	MZ569982	MZ576889
<i>Tealidium konoplinorum</i> MIMB 41359	MZ569957	MZ567265	MZ569928	MZ569981	MZ576888
<i>Tealidium konoplinorum</i> MIMB 41360	MZ569958	MZ567268	MZ569930	MZ569983	MZ576890
<i>Tealidium konoplinorum</i> MIMB 41364	MZ569955	MZ567265	MZ569927	MZ569980	MZ576887
<i>Tealidium konoplinorum</i> MIMB 41365	MZ569954	MZ567264	MZ569926	MZ569979	MZ576886
<i>Telmatactis</i> sp.	JF832968	JF832979	KJ483013	KJ483135	-
<i>Tempuractis rinkai</i>	LC649473	LC649482	LC649490	-	-
<i>Triactis producta</i>	-	-	EU190876	KJ483125	-
<i>Urtibrina clandestina</i> 1	PP946960	PP946946	PP946953	PP946967	PP951988
<i>Urtibrina clandestina</i> 2	PP946961	PP946947	PP946954	PP946968	PP951989
<i>Urtibrina rimicola</i> 1	PP946962	PP946948	PP946955	PP946969	PP951990
<i>Urtibrina rimicola</i> 2	PP946963	PP946949	PP946956	PP946970	PP951991
<i>Urtibrina rimicola</i> 3	PP946964	PP946950	PP946957	PP946971	PP951992
<i>Urticina coriacea</i> D	-	EU190797	EU190877	EU190840	-
<i>Urticina coriacea</i> L	-	KT852114	KT852176	KT852266	-
<i>Urticina crassicornis</i> BS1	MK287979	MK307743	MK307724	MK307731	MK304511
<i>Urticina crassicornis</i> BS2	MK287979	MK307744	MK307724	MK307732	MK304511
<i>Urticina crassicornis</i> L D	KT851997	KT852059	KT852127	-	KT852279
<i>Urticina crassicornis</i> NF1	MK287979	MK307745	MK307725	MK307733	MK304512
<i>Urticina crassicornis</i> NF2	MK287979	MK307746	MK307726	MK307733	MK304512
<i>Urticina crassicornis</i> NF3	MK287979	MK307745	MK307725	MK307734	MK304512
<i>Urticina crassicornis</i> NF4	MK287979	MK307745	MK307726	MK307734	MK304512
<i>Urticina crassicornis</i> NF5	MK287979	MK307743	MK307726	MK307734	MK304512
<i>Urticina crassicornis</i> NF6	MK287979	MK307743	MK307725	MK307734	MK304512
<i>Urticina fecunda</i> L D	KT852004	KT852067	KT852135	-	KT852287
<i>Urticina fecunda</i> NF1	-	MK307749	MK307730	MK307742	-
<i>Urticina felina</i> BS1	MK287980	MK307747	MK307727	MK307735	MK304513
<i>Urticina felina</i> BS2	MK287980	MK307747	MK307727	MK307736	MK304513
<i>Urticina felina</i> BS3	MK287980	MK307747	MK307727	MK307737	MK304513
<i>Urticina felina</i> BS4	MK287980	MK307747	MK307727	MK307738	MK304513
<i>Urticina felina</i> BS5	MK287980	MK307747	MK307727	MK307739	MK304513
<i>Urticina grebelnyi</i>	KT852034	KT852098	KT852163	-	KT852318
<i>Verrillactis paguri</i>	FJ489414	FJ489433	-	KJ483046	FJ489503