

**S1 Table.** Overview of sequences used in combined and/or as single-gene phylogenetic analyses based on Cytochrome Oxidase I, 28S rRNA, and 18S rRNA. Numbers in the 9th column indicate their use in (1) single-gene Maximum Likelihood (ML), combined ML and combined Bayesian phylogenies, (2) single-gene ML and combined ML phylogenies, or (3) single-gene ML phylogenies. An asterisk indicates long-branch taxa that were excluded in separate multi-gene ML phylogenetic analyses. Bp = number of basepairs per sequence. *Clione limacina antarctica* sequences were obtained from a transcriptome (T). Picture numbers indicated with an asterisk represent juvenile specimens (available in the Dryad digital repository [57]).

Taxonomy & Species	Sample information							Genetics				Pictures N
	Reference	Collection date	Latitude	Longitude	Cruise	Station	Ocean/sea/region	Used for	CO1	28S	18S	
<b>Thecosomata, Euthecosomata</b>												
<b>Cavolinoidea</b>												
<i>Cavolinia gibbosa</i>	[35]	-	-	-	ECOSUR	-	Caribbean Sea	1	KC774033	KC774104		
<i>Cavolinia gibbosa</i>	[36]	2006-04-13	33°31'N	69°58'W	RHB0603	-	North Atlantic Ocean	3	FJ876856			
<i>Cavolinia globulosa</i>	[35]	-	-	-	TARA	41	Gulf of Aden	3		KC774101		
<i>Cavolinia globulosa</i>	[35]	-	-	-	TARA	42	Indian Ocean (Maldives)	3		KC774141		
<i>Cavolinia globulosa</i>	[36]	2006-04-25	14°00'N	55°00'W	RHB0603	-	North Atlantic Ocean	3	FJ876857			
<i>Cavolinia inflexa</i>	New	2008-10-20	11°49'N	32°49'W	AMT18	44	North Atlantic Ocean	2	MF048913	MF048966		2
<i>Cavolinia inflexa</i>	New	2008-10-20	11°49'N	32°49'W	AMT18	44	North Atlantic Ocean	1	MF048914	MF048967		2
<i>Cavolinia labiata</i>	[35]	-	-	-	TARA	52	Indian Ocean (East of Madagascar)	3	KC774038			
<i>Cavolinia labiata</i>	[35]	-	-	-	TARA	66	South Atlantic Ocean (Cape Town)	1	KC774037	KC774099		
<i>Cavolinia tridentata atlantica</i>	[36]	2007-01-22	46°21'S	140°32'E	Aurora_Australis_2007.3	-	Southern Ocean (South of Australia)	3	FJ876861			
<i>Cavolinia uncinata</i>	New	2011-01-31	18°07'N	87°44'W	GU1101	91	Caribbean Sea	1	MF048915	MF048968	MF049019	9
<i>Cavolinia uncinata</i>	New	2012-09-04	39°55'N	67°27'W	NOAA PC201205	ST23P4	Northwest Atlantic Ocean	2	MF048916	MF048969	MF049020	1
<i>Cavolinia uncinata</i>	New	2012-02-24	24°22'N	109°13'W	MBARI GOC 2012	D342BW	Gulf of California	1	MF048917	MF048970	MF049021	1
<i>Cavolinia uncinata</i>	New	2012-02-24	24°22'N	109°13'W	MBARI GOC 2012	D342BW	Gulf of California	2	MF048918	MF048971	MF049022	
<i>Clio convexa</i>	[35]	-	-	-	TARA	42	Indian Ocean (Maldives)	1	KC774063	KC774105		
<i>Clio convexa</i>	[35]	-	-	-	TARA	53	Indian Ocean (East of Madagascar)	2	KC774069	KC774093		
<i>Clio cuspidata</i>	[40]	2008-10-27	12°50'S	25°00'W	AMT18	66	South Atlantic Ocean	1	KP292789	KP292650		2
<i>Clio cuspidata</i>	[35]	-	-	-	TARA	42	Indian Ocean (Maldives)	2	KC774064	KC774098		
<i>Clio cuspidata</i>	[36]	2007-02-08	50°00'S	149°25'E	Aurora_Australis_2007.3	-	Southern Ocean (South of Australia)	3	FJ876869			
<i>Clio cuspidata</i>	[36]	2007-02-08	50°00'S	149°25'E	Aurora_Australis_2007.3	-	Southern Ocean (South of Australia)	3	FJ876870			
<i>Clio pyramidata antarctica</i>	New	2008-11-07	45°13'S	44°37'W	AMT18	101	South Atlantic / Southern Ocean	1	MF048919	MF048972	MF049023	1
<i>Clio pyramidata antarctica</i>	[36]	2007-02-08	50°00'S	149°25'E	Aurora_Australis_2007.3	-	Southern Ocean (South of Australia)	3	FJ876876			
<i>Clio pyramidata lanceolata</i>	New	2000-03	43°30'N	07°12'E	KP	-	Mediterranean Sea (Ligurian Sea: Villefranche-Sur-Mer)	2	MF048920	MF048973	MF049024	
<i>Clio pyramidata pyramidata</i>	[40]+New	2008-10-15	24°45'N	40°05'W	AMT18	27	North Atlantic Ocean	1	KP292791	KP292652	MF049025	2
<i>Clio pyramidata</i>	New	2012-02-17	24°11'N	109°38'W	MBARI GOC 2012	D333T	Gulf of California	1	MF048921	MF048974	MF049026	
<i>Clio pyramidata</i>	New	2012-02-17	24°11'N	109°38'W	MBARI GOC 2012	D333T	Gulf of California	2	MF048922	MF048975	MF049027	
<i>Clio recurva</i>	[40]+New	2004-06-09	59°58'N	25°45'W	MAR-ECO	2	North Atlantic Ocean	1	KP292790	KP292651	MF049028	
<i>Clio recurva</i>	New	2004-06-19	51°34'N	33°17'W	MAR-ECO	16	North Atlantic Ocean	3	MF048923			1
<i>Clio recurva</i>	[36]	2007-01-20	45°00'S	142°59'E	Aurora_Australis_2007.3	-	Southern Ocean (South of Australia)	3	FJ876880			

<i>Creseis chierchiae</i>	[35]	-	-	-	CRER 2	-	Caribbean Sea (Yucatan/Belize)	3	KC774136			
<i>Creseis chierchiae</i>	[35]	-	-	-	TARA	41	Gulf of Aden	1	KC774044	KC774137		
<i>Creseis clava</i>	New	2011-01-25	18°43'N	87°40'W	GU1101	53	Caribbean Sea	1			MF049029	5
<i>Creseis clava</i>	[38]	2007-01-21	18°47'N	87°08'W	GU0701	35	Caribbean Sea	3	HM385035			1
<i>Creseis clava</i>	[35]	-	-	-	TARA	41	Gulf of Aden	3	KC774052			
<i>Creseis clava</i>	[35]	-	-	-	CRER 2	-	Caribbean Sea (Yucatan/Belize)	1	KC774053	KC774125		
<i>Creseis clava</i>	[35]	-	-	-	ANTEDON	-	Mediterranean Sea (Gulf of Lyon, Cassidaigne)	2	KC774054	KC774126		
<i>Creseis clava</i>	[36]	2006-11-17	16°01'S	119°19'E	Galathea_2006	-	Indian Ocean	3	FJ876888			
<i>Creseis conica</i>	New	2011-01-31	18°07'N	87°44'W	GU1101	91	Caribbean Sea	1		MF048976	MF049030	2
<i>Creseis conica</i>	New	2011-01-31	18°07'N	87°44'W	GU1101	91	Caribbean Sea	1	MF048924	MF048977		2
<i>Creseis conica</i>	New	2011-01-31	18°07'N	87°44'W	GU1101	91	Caribbean Sea	2	MF048925		MF049031	2
<i>Creseis virgula</i>	[35]	-	-	-	ECOSUR	-	Caribbean Sea (Yucatan/Belize)	1	KC774045	KC774128		
<i>Creseis virgula</i>	[35]	-	-	-	TARA	34	Red Sea	2	KC774046	KC774129		
<i>Creseis virgula</i>	[35]	-	-	-	TARA	42	Indian Ocean (Maldives)	2	KC774047	KC774130		
<i>Cuvierina atlantica</i>	[40]+New	2004-07-01	41°29'N	28°19'W	MAR-ECO	36	North Atlantic Ocean	1	KP292669		MF049032	2
<i>Cuvierina atlantica</i>	[40]	2004-07-01	41°29'N	28°19'W	MAR-ECO	36	North Atlantic Ocean	1	KP292675	KP292622		2
<i>Cuvierina columnella</i>	[40]	2001-12-24	36°05'S	149°29'W	DRFT07RR	11	South Pacific Ocean	2	KP292728	KP292634		2
<i>Cuvierina tsudai</i>	[40]+New	2010-09-29	27°08'N	125°33'E	R/V Tansei-MarukT-10-20	5	Northwest Pacific Ocean (East China Sea)	2		KP292642	MF049033	2
<i>Cuvierina tsudai</i>	[40]+New	2010-09-29	27°08'N	125°33'E	R/V Tansei-MarukT-10-20	5	Northwest Pacific Ocean (East China Sea)	1	KP292767	MF048978	MF049034	2
<i>Cuvierina tsudai</i>	[40]	2010-09-29	27°08'N	125°33'E	R/V Tansei-MarukT-10-20	5	Northwest Pacific Ocean (East China Sea)	2	KP292768			2
<i>Cuvierina pacifica</i>	[40]	2012-01-18	23°00'S	100°00'W	KH-11-10	21	South Pacific Ocean	1	KP292780	KP292647		2
<i>Cuvierina pacifica</i>	[40]	2001-10-14	29°05'S	176°09'W	COOK14MV	19	South Pacific Ocean	2	KP292785	KP292648		2
<i>Cuvierina urceolaris</i>	[40]	2003-06-06	12°52'S	94°26'E	VANC10MV	22	Indian Ocean	2	KP292729	KP292635		2
<i>Cuvierina urceolaris</i>	[35]	-	-	-	TARA	52	Indian Ocean (East of Madagascar)	2	KC774071	KC774107		
<i>Diacavolinia longirostris</i> (sp. 1)	[35]	-	-	-	ECOSUR	-	Caribbean Sea (Yucatan/Belize)	3			KC774118	
<i>Diacavolinia</i> sp. 1	New	2008-10-22	5°20'N	28°31'W	AMT18	50	North Atlantic Ocean	1	MF048926	MF048979	MF049035	
<i>Diacavolinia</i> sp. 1	New	2008-10-23	2°47'N	26°51'W	AMT18	56	North Atlantic Ocean	3	MF048927			
<i>Diacavolinia vanutrechtii</i> (sp. 2)	[39]	2007-10&11	13°01'N	105°01'W	RV Seward	-	East Pacific Ocean	3	JX183614			3
<i>Diacavolinia vanutrechtii</i> (sp. 2)	[39]	2007-10&11	13°01'N	105°01'W	RV Seward	-	East Pacific Ocean	3	JX183616			3
<i>Diacria danae</i>	New	2008-10-30	22°47'S	25°01'W	AMT18	79	South Atlantic Ocean	1	MF048928	MF048980	MF049036	1*
<i>Diacria danae</i>	[35]	-	-	-	CRER 2	-	Caribbean Sea (Yucatan/Belize)	3	KC774075	KC774113		
<i>Diacria danae</i>	[35]	-	-	-	TARA	50	Indian Ocean (North)	3	KC774076			
<i>Diacria danae</i>	[35]	-	-	-	TARA	58	Indian Ocean (Southwest, Mozambique)	3	KC774077			
<i>Diacria danae</i>	[33]	-	-	-	-	-	North Atlantic Ocean (Canary Islands)	2	DQ238001	DQ237987	DQ237968	
<i>Diacria major</i>	New	2008-10-14	27°38'N	37°02'W	AMT18	24	North Atlantic Ocean	1	MF048929	MF048981	MF049037	1*
<i>Diacria major</i>	New	2008-10-16	22°36'N	40°16'W	AMT18	32	North Atlantic Ocean	3	MF048930			1*
<i>Diacria trispinosa</i>	New	2011-01-28	16°22'N	88°02'W	GU1101	77	Caribbean Sea	1	MF048931	MF048982	MF049038	4
<i>Diacria trispinosa</i>	New	2011-01-28	16°22'N	88°02'W	GU1101	77	Caribbean Sea	2	MF048932	MF048983	MF049039	4

<i>Hyalocylis striata</i>	New	2008-10-11	36°01'N	27°44'W	AMT18	15	North Atlantic Ocean	2	MF048984		2
<i>Hyalocylis striata</i>	New	2011-01-16	20°44'N	86°24'W	GU1101	10	Caribbean Sea	1	MF048933		2
<i>Hyalocylis striata</i>	New	2011-01-16	20°44'N	86°24'W	GU1101	10	Caribbean Sea	1		MF048985 MF049040	2
<i>Hyalocylis striata</i>	New	2011-01-16	20°44'N	86°24'W	GU1101	10	Caribbean Sea	2	MF048934		2
<i>Hyalocylis striata</i>	New	2012-02-17	24°11'N	109°38'W	MBARI GOC 2012	D333T	Gulf of California	2	MF048935	MF048986 MF049042	1
<i>Hyalocylis striata</i>	New	2012-02-17	24°11'N	109°38'W	MBARI GOC 2012	D333T	Gulf of California	1	MF048936	MF048987 MF049043	
<i>Styliola subula</i>	New	2008-10-28	16°38'S	25°00'W	AMT18	70	South Atlantic Ocean	2		MF048988 MF049044	1
<i>Styliola subula</i>	New	2011-01-19	19°21'N	87°22'W	GU1101	29	Caribbean Sea	1		MF048989 MF049045	3
<i>Styliola subula</i>	[38]	2007-01-24	17°54'N	87°54'W	-	-	Caribbean Sea	1	KF200174		1
<i>Styliola subula</i>	[38]	2007-01-29	18°11'N	87°45'W	-	-	Caribbean Sea	2	KF200175		1
<b>Limaciniidae</b>											
<i>Heliconoides inflatus</i>	New	2008-10-21	8°39'N	30°43'W	AMT18	47	North Atlantic Ocean	1*	MF048937		1
<i>Heliconoides inflatus</i>	New	2008-10-26	08°50'S	25°00'W	AMT18	63	South Atlantic Ocean	3	MF048938		1
<i>Heliconoides inflatus</i>	New	2008-10-26	08°50'S	25°00'W	AMT18	63	South Atlantic Ocean	2*		MF048990	
<i>Heliconoides inflatus</i>	New	2008-11-04	36°10'S	35°03'W	AMT18	94	South Atlantic Ocean	2*			MF049047
<i>Heliconoides inflatus</i>	New	2008-11-04	36°10'S	35°03'W	AMT18	94	South Atlantic Ocean	2*	MF048939		1
<i>Heliconoides inflatus</i>	New	2008-11-04	36°10'S	35°03'W	AMT18	94	South Atlantic Ocean	3	MF048940		1
<i>Heliconoides inflatus</i>	New	2010-03-25	42°37'N	18°06'E	KP	4	Mediterranean Sea (Adriatic Sea: Dubrovnik)	1*		MF048991	
<i>Limacina bulimoides</i>	New	2008-10-20	11°49'N	32°49'W	AMT18	44	North Atlantic Ocean	3		MF048992	1
<i>Limacina bulimoides</i>	New	2008-10-31	26°33'S	25°00'W	AMT18	83	South Atlantic Ocean	1*		MF048993 MF049048	
<i>Limacina helicina antarctica</i>	New	2008-11-07	45°13'S	44°37'W	AMT18	101	South Atlantic / Southern Ocean	1	MF048941	MF048994 MF049049	2
<i>Limacina helicina antarctica</i>	New	2008-11-07	45°13'S	44°37'W	AMT18	101	South Atlantic / Southern Ocean	2	MF048942	MF048995	2
<i>Limacina helicina antarctica</i>	[37]	-	-	-	-	-	Southern Ocean (Amundsen Sea)	3	GQ861824		
<i>Limacina helicina antarctica</i>	[37]	-	-	-	-	-	Southern Ocean (Amundsen Sea)	3	GQ861825		
<i>Limacina helicina helicina</i>	[36]	2003-12-03	60°32'N	147°48'W	Alpha-Helix-2003	-	Gulf of Alaska (Prince Williams Sound)	3	FJ876923		
<i>Limacina helicina helicina</i>	[36]	2007-09-04	87°01'N	146°21'W	PS-ARK-23-2	-	Arctic Ocean	3	FJ876924		
<i>Limacina lesueurii</i>	New	2008-10-20	11°49'N	32°49'W	AMT18	44	North Atlantic Ocean	2		MF048996	2
<i>Limacina lesueurii</i>	New	2008-10-20	11°49'N	32°49'W	AMT18	44	North Atlantic Ocean	1		MF048997 MF049050	2
<i>Limacina lesueurii</i>	New	2012-11-09	25°29'S	25°00'W	AMT22	56A	South Atlantic Ocean	2	MF048943		
<i>Limacina lesueurii</i>	New	2012-11-09	25°29'S	25°00'W	AMT22	56A	South Atlantic Ocean	1	MF048944		
<i>Limacina retroversa</i>	New	2004-06-12	56°35'N	31°14'W	MAR-ECO	6	North Atlantic Ocean	1	MF048945	MF048998 MF049051	
<i>Limacina retroversa</i>	New	2004-06-23	50°42'N	27°31'W	MAR-ECO	22	North Atlantic Ocean	2	MF048946	MF048999 MF049052	
<i>Limacina trochiformis</i>	New	2012-10-21	27°36'N	36°22'W	AMT22	19	North Atlantic Ocean	1	MF048947		
<i>Limacina trochiformis</i>	New	2012-11-12	30°10'S	27°54'W	AMT22	60	South Atlantic Ocean	2	MF048948		
<i>Limacina trochiformis</i>	New	2011-01-22	18°52'N	87°17'W	GU1101	34	Caribbean Sea	1		MF049000	2
<i>Limacina trochiformis</i>	New	2011-01-22	18°52'N	87°17'W	GU1101	34	Caribbean Sea	2		MF049001	2
<i>Thielea helicooides</i>	New	2004-06-21	52°45'N	30°30'W	MAR-ECO	20	North Atlantic Ocean	1	MF048949	MF049002	2
<i>Thielea helicooides</i>	New	2004-06-23	50°42'N	27°31'W	MAR-ECO	22	North Atlantic Ocean	2	MF048950	MF049003	

<b>Thecosomata, Pseudothecosomata</b>											
<b>Cymbuliidae</b>											
<i>Corolla spectabilis</i>	New	2012-11-12	34°15'N	120°09'W	UNOLS CSTC 2012	SB2SB3MOC	Northeast Pacific Ocean (Southern California)	3	MF048951	MF049004	
<i>Corolla spectabilis</i>	New	2012-11-12	34°15'N	120°09'W	UNOLS CSTC 2012	SB2SB3MOC	Northeast Pacific Ocean (Southern California)	2	MF048952	MF049005	MF049053
<i>Corolla spectabilis</i>	New	2012-02-24	24°22'N	109°13'W	MBARI GOC 2012	D342BW	Gulf of California	3	MF048953		1
<i>Corolla spectabilis</i>	New	2012-02-24	24°22'N	109°13'W	MBARI GOC 2012	D342BW	Gulf of California	1	MF048954	MF049006	MF049054
<i>Cymbulia sibogae</i>	[36]	2007-11-11	3°13'N	14°04'W	PS-ANT-24-1	-	North Atlantic Ocean	3	FJ876932		
<i>Cymbulia</i> sp.	[35]	-	-	-	ECOSUR	-	Caribbean Sea (Yucatan/Belize)	3		KC774158	
<i>Cymbulia</i> sp.	[35]	-	-	-	TARA	30	Mediterranean Sea (East)	1	KC774090	KC774159	
<i>Gleba cordata</i>	[36]	2006-04-19	25°00'N	59°57'W	RHB0603	-	North Atlantic Ocean	3	FJ876933		
<b>Desmopteridae</b>											
<i>Desmopterus</i> sp.	[35]	-	-	-	TARA	40	Gulf of Aden	3		KC774167	
<b>Peracliidae</b>											
<i>Peracle bispinosa</i>	[36]	2007-11-11	3°31'N	14°01'W	PS-ANT-24-1	-	North Atlantic Ocean	3	FJ876936		
<i>Peracle bispinosa</i>	[36]	2007-11-11	3°31'N	14°01'W	PS-ANT-24-1	-	North Atlantic Ocean	3	FJ876938		
<i>Peracle reticulata</i>	New	2008-10-12	33°18'N	30°48'W	AMT18	19	North Atlantic Ocean	3		MF049007	1
<i>Peracle reticulata</i>	New	2008-10-29	19°07'S	25°00'W	AMT18	75	South Atlantic Ocean	1		MF049008	MF049055
<i>Peracle reticulata</i>	[35]	-	-	-	CRER 2	-	Caribbean Sea (Yucatan/Belize)	1	KC774088		
<i>Peracle reticulata</i>	[35]	-	-	-	ANTEDON	-	Mediterranean Sea (Gulf of Lyon, Cassidaigne)	3	KC774089		
<i>Peracle valdiviae</i>	[36]	2007-11-17	13°25'S	0°39'W	PS-ANT-24-1	-	South Atlantic Ocean	3	FJ876940		
<b>Gymnosomata</b>											
<b>Clionidae</b>											
<i>Clione limacina antarctica</i>	[34]	2009-02-20	61°46'S	45°27'W	Nerida Wilson	-	Southern Ocean (South Orkney Islands)	1	CEF048	CEF048	CEF048
<i>Clione limacina</i>	New	2012-07-17	36°42'N	122°03'N	MBARI MW 2012	D416T.11	Northeast Pacific Ocean (Northern California)	1	MF048955	MF049009	MF049056
<i>Clione limacina</i>	New	2012-07-17	36°42'N	122°03'N	MBARI MW 2012	D416T.15	Northeast Pacific Ocean (Northern California)	2	MF048956	MF049010	MF049057
<i>Clione limacina</i>	[36]	2006-04-13	33°31'N	69°58'W	RHB0603	-	North Atlantic Ocean	3	FJ876941		
<i>Clione limacina</i>	[36]	2005-07-11	74°35'N	151°56'W	Healy 05/2	-	Arctic Ocean (Canadian Basin)	3	FJ876944		
<i>Thliptodon</i> sp.	New	2012-02-24	24°22'N	109°13'W	MBARI GOC 2012	D342BW	Gulf of California	1	MF048957	MF049011	MF049058
<i>Thliptodon</i> sp.	New	2013-06-09	36°35'N	122°31'W	MBARI MW 2013	D484D3	Northeast Pacific Ocean (Northern California)	2	MF048958	MF049012	MF049059
<i>Thliptodon diaphanus</i>	[36]	2006-04-20	24°50'N	60°27'W	RHB0603	-	North Atlantic Ocean	3	FJ876950		
<b>Cliopsidae</b>											
<i>Cliopsis krohni</i>	New	2013-06-09	36°34'N	122°31'W	MBARI MW 2013	D484T	Northeast Pacific Ocean (Northern California)	1	MF048959	MF049013	MF049060
<i>Cliopsis krohni</i>	New	2013-06-09	36°34'N	122°31'W	MBARI MW 2013	D484T	Northeast Pacific Ocean (Northern California)	3	MF048960		1
<i>Cliopsis krohni</i>	New	2013-08-30	39°56'N	67°17'W	NOAA PC201205	NWAT1	Northwest Atlantic Ocean	1	MF048961	MF049014	MF049061
<i>Cliopsis krohni</i>	New	2012-09-04	39°57'N	67°27'W	NOAA PC201205	NWAT20	Northwest Atlantic Ocean	2	MF048962	MF049015	MF049062
<b>Notobranchaeidae</b>											
<i>Notobranchaea macdonaldi</i>	New	2013-03-22	36°41'N	122°10'W	MBARI MW 2013	D448T	Northeast Pacific Ocean (Northern California)	1	MF048963	MF049016	1

<b>Pneumodermatidae</b>												
<i>Pneumoderma atlantica</i>	[33]	-	-	-	-	-	North Atlantic / Indian / Pacific Ocean (USA/Australia)	1	DQ238003	DQ237989	DQ237970	
<i>Pneumoderma violaceum</i>	[36]	2007-11-08	11°23'N	20°21'W	PS-ANT-24-1	-	North Atlantic Ocean	3	FJ876945			
<i>Pneumodermopsis macrochira</i>	[36]	2006-04-16	29°52'N	70°05'W	RHB0603	-	North Atlantic Ocean	3	FJ876946			
<i>Pneumodermopsis</i> sp.	New	2012-02-12	23°42'N	108°49'W	MBARI GOC 2012	D339T	Gulf of California	1	MF048964	MF049017	MF049063	1
<i>Pneumodermopsis</i> sp.	New	2012-02-12	23°42'N	108°49'W	MBARI GOC 2012	D339T	Gulf of California	2	MF048965	MF049018	MF049064	
<i>Schizobranchium polycotylum</i>	[36]	2007-11-11	3°31'N	14°01'W	PS-ANT-24-1	-	North Atlantic Ocean	3	FJ876949			
<i>Spongiobranchaea australis</i>	[33]	-	-	-	-	-	Southern Ocean (Scotia Arc)	1	DQ238002	DQ237988	DQ237969	
<b>Outgroup taxa</b>												
<b>Cephalaspidea, Bulloidea, Bullidae</b>												
<i>Bulla striata</i>	[33]	-	-	-	-	-	North Atlantic Ocean (Bermuda)	1	DQ238005	AY427477	AY427512	
<b>Anaspidea, Aplysioidea, Aplysiidae</b>												
<i>Aplysia californica</i>	[33]	-	-	-	-	-	Atlantic Ocean	1	AF077759	AY026366	AY039804	