

Appendix 14: New upgrades to the macro-invertebrate species received since December 2004.

Appendix 14a: catch-composition list of species upgrades of shrimps and squatlobsters

2pp

Appendix 14b: catch composition data of all species of ophiuroids including new upgrades received since December 2004

5pp

Catch composition list of upgraded species of prawns and squatlobsters (upgrades received after December 2004)

Station_no	CAAB-Code (final)	ID LEVEL	Family	Genus	Species	Weight (kg)	Total number specimens	Comments	CL	Estimated no. of species represented	Estimated no. of species-level taxa new to science	New distributional record for the NZ fauna	New distributional record for the Australian fauna
27	28712001	1	Aristeidae	Aristaeomorpha	foliacea	0.01	1		1	1			
28	28712001	1	Aristeidae	Aristaeomorpha	foliacea	0.01	1		1	1			
16	28712002	1	Aristeidae	Aristeus	mabahissae	0	3		1	1			
33	28712002	1	Aristeidae	Aristeus	mabahissae	0	5		1	1			
33	28712002	1	Aristeidae	Aristeus	mabahissae	0	1		1	1			
80	28712002	1	Aristeidae	Aristeus	mabahissae	0	175		1	1			
90	28712002	1	Aristeidae	Aristeus	mabahissae	0	31	23 discarded	1	1			
92	28712002	1	Aristeidae	Aristeus	mabahissae	0	12	split	1	1			
93	28712002	1	Aristeidae	Aristeus	mabahissae	0	2		1	1			
95	28712002	1	Aristeidae	Aristeus	mabahissae	0.01	28		1	1			
123	28712002	1	Aristeidae	Aristeus	mabahissae			added	1	1			
95	28712008	1	Aristeidae	Aristaeopsis	edwardsianus	0.01	1		1	1			
90	28712009	1	Aristeidae	Austropenaeus	nitidus	0	24	11 discarded	1	1			
91	28712009	1	Aristeidae	Austropenaeus	nitidus	0	12		1	1			
91	28712009	1	Aristeidae	Austropenaeus	nitidus	0	4		1	1			
92	28712009	1	Aristeidae	Austropenaeus	nitidus	0	12	split	1	1			
92	28712009	1	Aristeidae	Austropenaeus	nitidus	0	1		1	1			
151	28712009	1	Aristeidae	Austropenaeus	nitidus			added	1	1			
163	28712009	1	Aristeidae	Austropenaeus	nitidus			added	1	1			
120	28713001	1	Benthescymidae	Benthescymus	investigatoris			added	1	1			
82	28713007	1	Benthescymidae	Gennadas	gilchristi	0.01	1		1	1			
121	28713017	1	Benthescymidae	Benthescymus	urinator howensis	0.01	17		1	1			
64	28714005	1	Solenoceridae	Haliporoides	sibogae	0	5		1	1			
114	28714031	1	Solenoceridae	Hymenopenaeus	neptunus	0.01	5	split	1	1			
73	28714033	1	Solenoceridae	Hymenopenaeus	obliquirostris	0	5	Photo 073-033	1	1			
123	28714033	1	Solenoceridae	Hymenopenaeus	obliquirostris			added	1	1			
133	28756218	1	Palaemonidae	Hamiger	novaezealandiae	0	1	Photo 133-016	1	1			
136	28756218	1	Palaemonidae	Hamiger	novaezealandiae	0.01	3		1	1			
139	28756218	1	Palaemonidae	Hamiger	novaezealandiae	0.01	2		1	1			
20	28756224	1	Palaemonidae	Altopontonia	disparostris	0.001	1		1	1			
20	28756224	1	Palaemonidae	Altopontonia	disparostris	0	1		1	1			
154	28756225	1	Palaemonidae	Periclimenes	vaubani	0.01	15	split - 1 specimen only	1	1			
154	28756226	1	Palaemonidae	Periclimenes	fenneri	0.01	1	Photo 154-109	1	1			
6	28756227	1	Palaemonidae	Periclimenes	tangeroa	0	1	Photo 006-010	1	1			
80	28780007	1	Glyphocrangonidae	Glyphocrangon	novacastellum	0	14	added	2	1			
89	28780007	1	Glyphocrangonidae	Glyphocrangon	novacastellum	0	1		1	1			
79	28780012	1	Glyphocrangonidae	Glyphocrangon	tasmanica	0	2	Photo 079-008	1	1			
80	28780012	1	Glyphocrangonidae	Glyphocrangon	tasmanica	0	14		2	1			
90	28780012	1	Glyphocrangonidae	Glyphocrangon	tasmanica	0	1	Photo 090-027	2	1			
91	28780012	1	Glyphocrangonidae	Glyphocrangon	tasmanica	0	1		1	1			
159	28780012	1	Glyphocrangonidae	Glyphocrangon	tasmanica	0	8	Photo 159-018	1	1			
166	28780012	1	Glyphocrangonidae	Glyphocrangon	tasmanica	0	4		2	1			
71	28780013	1	Glyphocrangonidae	Glyphocrangon	dimorpha	0.01	12	Photo 071-013	1	1			
47	28780802	1	Glyphocrangonidae	Glyphocrangon	sp nov. 1	0	4	Photo 047-007	3	1			
167	28780802	1	Glyphocrangonidae	Glyphocrangon	sp nov. 1	0	6		1	1			
43	28780803	1	Glyphocrangonidae	Glyphocrangon	cf. formosana	0.01	1		1	1			
51	28780803	1	Glyphocrangonidae	Glyphocrangon	cf. formosana	0	1		3	1			
66	28780803	1	Glyphocrangonidae	Glyphocrangon	cf. formosana	0	1	Photo 066-016	2	1			
82	28780803	1	Glyphocrangonidae	Glyphocrangon	cf. formosana	0.01	3	Photo 082-016	1	1			
29	28815004	1	Polychelidae	Polycheles	enthrix	0.01	1		1	1			
40	28815004	1	Polychelidae	Polycheles	enthrix	0	1		1	1			
89	28815004	1	Polychelidae	Polycheles	enthrix	0	16		1	1			
94	28815004	1	Polychelidae	Polycheles	enthrix	0	1	added	1	1			
95	28815004	1	Polychelidae	Polycheles	enthrix	0.01	8		1	1			
15	28815005	1	Polychelidae	Pentacheles	laevis	0	1		1	1			
77	28815005	1	Polychelidae	Pentacheles	laevis	0	2		1	1			
94	28815005	1	Polychelidae	Pentacheles	laevis	0	1		1	1			
121	28815005	1	Polychelidae	Pentacheles	laevis	0.01	1		1	1			
130	28815005	1	Polychelidae	Pentacheles	laevis	0	2		2	1			
150	28815005	1	Polychelidae	Pentacheles	laevis	0	1		4	1			
156	28815005	1	Polychelidae	Pentacheles	laevis	0	1		4	1			
89	28815010	1	Polychelidae	Polycheles	suhmi	0	16	added	1	1			
47	28815012	1	Polychelidae	Pentacheles	validus	0	9	Photo 047-012	3	1			
71	28815012	1	Polychelidae	Pentacheles	validus	0	1	Photo 071-010	1	1			
72	28815012	1	Polychelidae	Pentacheles	validus	0	3		1	1			
73	28815012	1	Polychelidae	Pentacheles	validus	0	1		1	1			
167	28815012	1	Polychelidae	Pentacheles	validus	0	5	2 vials, added	1	1			
67	28840004	1	Galatheididae	Allogalatea	elegans	0	1		2	1			
67	28840004	1	Galatheididae	Allogalatea	elegans	0	2		2	1			
43	28840044	1	Galatheididae	Agononida	eminens	0.01	1	Photo 043-059	1	1			
29	28840026	1	Galatheididae	Munida	curvirostris	0.01	1		2	1			
43	28840026	1	Galatheididae	Munida	curvirostris	0.01	2		1	1			
43	28840026	1	Galatheididae	Munida	curvirostris	0.01	2		1	1			
43	28840026	1	Galatheididae	Munida	curvirostris	0.01	1		1	1			
167	28840038	1	Galatheididae	Munidopsis	rostrata	0	6		1	1			
102	28840040	1	Galatheididae	Munidopsis	valdiviae	0.01	1	Photo 102-012	1	1			
130	28840040	1	Galatheididae	Munidopsis	valdiviae	0	1		1	1			
160	28840040	1	Galatheididae	Munidopsis	valdiviae	0.01	1		1	1			
126	28840042	1	Galatheididae	Phylladiorhynchus	pusillus	0	1	Photo 126-087	1	1			
126	28840044	1	Galatheididae	Agononida	marini	0	1	Photo 126-038A	1	1			
56	28840045	1	Galatheididae	Agononida	procera	0	1	Photo 056-026	2	1			
66	28840045	1	Galatheididae	Agononida	procera	0	1	Photo 066-033	2	1			
89	28840045	1	Galatheididae	Agononida	procera	0	1	Photo 089-039	1	1			

9	28840049	1	Galatheaidae	Munida	endeavourae	0	1		2	1			
145	28840049	1	Galatheaidae	Munida	endeavourae	0	2		1	1			
154	28840062	1	Galatheaidae	Munidopsis	treis	0.01	4	Photo 154-099	1	1			
6	28840067	1	Galatheaidae	Agononida	nielbrucei	0	4		2	1			
107	28840067	1	Galatheaidae	Agononida	nielbrucei	0.01	1	Photo 107-024	1	1			
107	28840067	1	Galatheaidae	Agononida	nielbrucei	0.01	2		1	1			
125	28840067	1	Galatheaidae	Agononida	nielbrucei	0.01	7	TI-NMNZ	1	1			
126	28840067	1	Galatheaidae	Agononida	nielbrucei	0	6		1	1			
126	28840067	1	Galatheaidae	Agononida	nielbrucei	0	1	Photo 126-084	1	1			
132	28840067	1	Galatheaidae	Agononida	nielbrucei	0.01	27		1	1			
141	28840067	1	Galatheaidae	Agononida	nielbrucei	0	16		1	1			
149	28840067	1	Galatheaidae	Agononida	nielbrucei	0	1		1	1			
154	28840067	1	Galatheaidae	Agononida	nielbrucei	0.01	999	1/8 discarded	1	1			
154	28840067	1	Galatheaidae	Agononida	nielbrucei	0.01	6		1	1			
154	28840067	1	Galatheaidae	Agononida	nielbrucei	0.01	2	Photo 154-082	1	1			
154	28840067	1	Galatheaidae	Agononida	nielbrucei	0.01	3	Photo 154-083	1	1			
154	28840067	1	Galatheaidae	Agononida	nielbrucei	0.01	4	Photo 154-084	1	1			
158	28840067	1	Galatheaidae	Agononida	nielbrucei	0	1		1	1			
20	28840068	1	Galatheaidae	Paramunida	labis	0	4		1	1			
67	28840069	1	Galatheaidae	Galathea	tanegashimae	0	1		1	1			
67	28840070	1	Galatheaidae	Phylladorhynchus	integrifrons	0	1	added	1	1			
20	28840804	1	Galatheaidae	Munida	sp nov. 7	0.001	1		2	1	1		
29	28840806	1	Galatheaidae	Munida	sp nov. 5	0.01	1		2	1	1		
29	28840807	1	Galatheaidae	Munida	sp nov. 4	0.01	1		2	1	1		
43	28840810	1	Galatheaidae	Munida	sp nov. 8	0.01	1		1	1	1		
66	28840815	1	Galatheaidae	Munida	sp nov. 6	0	1	Photo 066-023	2	1	1		
126	28840822	1	Galatheaidae	Munida	sp nov. 1	0	1	Photo 126-079	1	1	1		
136	28840822	1	Galatheaidae	Munida	sp nov. 1	0.01	1	Photo 136-080	1	1	1		
141	28840822	1	Galatheaidae	Munida	sp nov. 1	0	1	Photo 141-010	1	1	1		
149	28840825	1	Galatheaidae	Munida	sp nov. 3	0	1	Photo 149-014	1	1	1		
66	28840829	1	Galatheaidae	Munidopsis	sp. nov. 1	0	1	Photo 066-020	2	1	1		
86	28840830	1	Galatheaidae	Munidopsis	sp. nov. 2	0.001	1	Photo 086-015	1	1	1		
126	28840830	1	Galatheaidae	Munidopsis	sp. nov. 2	0	2	Photo 126-077	1	1	1		
154	28840831	1	Galatheaidae	Munida	sp. nov. 2	0.01	999	1/8 discarded added	1	1	1		
154	28840832	1	Galatheaidae	"Neonida"	sp. nov. 1	0.01	999	1/8 discarded added	1	1	1		

**Catch composition of all species of Ophiuroids sampled (including upgrades received after December 2004)**

Survey	stn	Family	Species name	Sample no	Rego	# specimens
TAN0308	5	Ophiactidae	Ophiactis abyssicola	004	MV F 99724	1
TAN0308	9	Ophiochitonidae	Ophiochiton sp MoV 4886	007	MV F 99754	2
TAN0308	9	Ophiuridae	Ophiocypris tuberculosus	008	MV F 110549	1
TAN0308	9	Ophiactidae	Ophiactis abyssicola	009	MV F 110548	3
TAN0308	12	Ophiacanthidae	Ophiocamax vitrea	004	MV F 99748	1
TAN0308	15	Ophiactidae	Ophiactis abyssicola	003	MV F 99725	1
TAN0308	18	Ophiacanthidae	Ophiocamax vitrea	001	MV F 99749	1
TAN0308	19	Gorgonocephalidae	Asteropora australiensis	004	MV F 99690	1
TAN0308	19	Asteroschematidae	Astrobrachion constrictum	007	MV F 111062	2
TAN0308	19	Ophiacanthidae	Ophiomitrella granulosa	010	MV F 99780	4
TAN0308	19	Ophiacanthidae	Ophiocamax sp MoV 4884	011	MV F 99746	1
TAN0308	20	Ophiodermatidae	Ophiopsammus assimilis	017	MV F 110552	2
TAN0308	20	Ophiacanthidae	Ophiocamax sp MoV 4884	023	MV F 99747	100
TAN0308	20	Ophiuridae	Ophiura micracantha	087	MV F 111059	1
TAN0308	24	Ophiuridae	Ophiomusium sanctum		MV F 99794	1
TAN0308	24	Ophiotrichidae	Ophiothela		MV F 99824	2
TAN0308	24	Amphiuridae	Amphipholis squamata	024	MV F 110555	8
TAN0308	24	Ophiactidae	Ophiactis	090	MV F 111063	50
TAN0308	24	Amphiuridae	Amphiura sp 6 armed	090	MV F 111065	1
TAN0308	24	Amphiuridae	Amphipholis	090	MV F 111066	20
TAN0308	24	Hemieuryalidae	Ophiomoeris	090	MV F 110554	1
TAN0308	24	Ophiotrichidae	Ophiothrix lepidus	097	MV F 99840	3
TAN0308	24	Ophiotrichidae	Ophiothrix	098	MV F 99828	1
TAN0308	24	Ophiotrichidae	Ophiothrix purpurea	099	MV F 99843	1
TAN0308	24	Gorgonocephalidae	Asteropora reticulata	101	MV F 99693	3
TAN0308	24	Ophiuridae	Ophiozonoida picta	101	MV F 99851	2
TAN0308	24	Ophiuridae	Amphiophiura confecta	102	MV F 101791	2
TAN0308	24	Hemieuryalidae	Ophiomoeris obstricta	105	MV F 99782	7
TAN0308	29	Ophiotrichidae	Ophiothrix aristulata		MV F 99831	1
TAN0308	29	Ophiacanthidae	Ophioplithaca plicata	014	MV F 110550	2
TAN0308	29	Ophiuridae	Amphiophiura bakeri	103	MV F 99708	1
TAN0308	29	Gorgonocephalidae	Astrothorax waitei	105	MV F 99699	2
TAN0308	36	Ophiactidae	Ophiactis	007	MV F 99722	2
TAN0308	40	Amphiuridae	Amphioplus sp MoV 4890	008	MV F 110547	2
TAN0308	40	Gorgonocephalidae	Asteronyx	013	MV F 110551	1
TAN0308	40	Ophiuridae	Ophiozonella bispinosa	107	MV F 99849	12
TAN0308	41	Ophiuridae	Amphiophiura sp F		MV F 110590	1
TAN0308	41	Ophiroleucidae	Ophiernus adpersus		MV F 99744	1
TAN0308	41	Ophiactidae	Ophiactis profundus		MV F 99740	1
TAN0308	41	Amphiuridae	Amphioplus sp MoV 4890		MV F 99676	1
TAN0308	41	Ophiactidae	Ophiactis definita	004	MV F 99733	1
TAN0308	43	Ophiactidae	Ophiactis definita		MV F 99734	2
TAN0308	43	Ophiuridae	Amphiophiura bakeri	018	MV F 99670	20
TAN0308	43	Ophiacanthidae	Ophiolimna perfida	023	MV F 99779	5
TAN0308	43	Amphiuridae	Amphioplus sp MoV 4890	023	MV F 99677	8
TAN0308	43	Ophiroleucidae	Ophiopallas paradoxa	023	MV F 99814	14
TAN0308	43	Ophiuridae	Amphiophiura pertusa	023	MV F 99661	1
TAN0308	43	Ophiuridae	Ophiozonella bispinosa	023	MV F 99850	1
TAN0308	43	Ophiuridae	Ophiopyrgus trispinosus	023	MV F 101784	4
TAN0308	43	Ophiuridae	Ophiocypris tuberculosus	024	MV F 99771	2
TAN0308	43	Ophiacanthidae	Ophiotreta stimulea	024	MV F 110567	1
TAN0308	49	Ophiotrichidae	Ophiothrix lepidus	006	MV F 99841	1
TAN0308	49	Ophiotrichidae	Ophiothrix	006	MV F 99829	1
TAN0308	49	Hemieuryalidae	Ophiomoeris obstricta	032	MV F 99783	1
TAN0308	50	Ophiacanthidae	Ophiomyces delata	010	MV F 110545	1
TAN0308	50	Ophiroleucidae	Ophiernus adpersus	010	MV F 110546	1
TAN0308	51	Ophiacanthidae	Ophioplithaca plicata	026	MV F 99821	1
TAN0308	51	Ophiroleucidae	Ophioleuce brevispinum	027	MV F 99773	6
TAN0308	51	Ophiacanthidae	Ophiotreta stimulea	032	MV F 110568	1

TAN0308	51	Ophiactidae	Ophiactis abyssicola	033	MV F 99726	1
TAN0308	51	Ophiactidae	Ophiactis definita	034	MV F 99735	1
TAN0308	52	Ophiuridae	Ophiomusium	018	MV F 99787	1
TAN0308	52	Ophiuridae	Ophiomusium lymani	019	MV F 99788	4
TAN0308	52	Ophiactidae	Ophiactis definita	020	MV F 99736	6
TAN0308	52	Ophiacanthidae	Ophiacantha cf vorax (long arm spines)	022	MV F 110569	1
TAN0308	52	Ophiomyxidae	Renetheo felli	022	MV F 99751	1
TAN0308	52	Ophiuridae	Amphiophiura spatulifera	022	MV F 110580	2
TAN0308	52	Ophiacanthidae	Ophioplithaca defensor	022	MV F 99820	2
TAN0308	52	Ophiactidae	Ophiactis abyssicola	022	MV F 99727	1
TAN0308	55	Ophiotrichidae	Ophiothrix lepidus	052	MV F 99842	19
TAN0308	55	Ophiotrichidae	Ophiothrix	052	MV F 99830	1
TAN0308	55	Ophiacanthidae	Ophiotreta valenciennesi	052	MV F 99846	1
TAN0308	55	Hemieuryalidae	Ophiomoeris obstricta	052	MV F 99784	2
TAN0308	55	Ophiactidae	Ophiactis	060	MV F 111064	2
TAN0308	55	Amphiuridae	Amphiura	060	MV F 111067	1
TAN0308	55	Ophiacanthidae	Ophiomitrella cf granulosa (6 armed)	060, 052	MV F 110578	16
TAN0308	56	Ophiuridae	Amphiophiura laudata	002	MV F 110540	1
TAN0308	56	Ophiuridae	Amphiophiura liberata	021	MV F 101782	2
TAN0308	56	Ophiacanthidae	Ophiomyces delata	022	MV F 99799	2
TAN0308	56	Ophiuridae	Aspidophiura sp 1	022	MV F 110534	2
TAN0308	56	Ophiacanthidae	Ophiologimus quadrispinus	022	MV F 110576	1
TAN0308	56	Ophioleucidae	Ophiernus adpersus	027	MV F 99745	6
TAN0308	57	Ophiacanthidae	Ophiotreta valenciennesi	015	MV F 99847	2
TAN0308	58	Asteroschematidae	Ophiocreas sibogae	008	MV F 99760	1
TAN0308	58	Gorgonocephalidae	Astrothorax waitei	009	MV F 99700	2
TAN0308	60	Ophiotrichidae	Ophiothela		MV F 99826	6
TAN0308	60	Ophiotrichidae	Ophiothela		MV F 99825	2
TAN0308	61	Ophiactidae	Ophiactis macrolepidota	030	MV F 99738	10
TAN0308	61	Ophionereididae	Ophionereis sp MoV 4888	035	MV F 99811	1
TAN0308	63	Ophiacanthidae	Ophiomelina	016	MV F 110571	1
TAN0308	66	Ophiuridae	Amphiophiura liberata	001	MV F 101787	1
TAN0308	66	Ophioleucidae	Ophioleuce brevispinum	002	MV F 99774	4
TAN0308	66	Ophiacanthidae	Ophiophthalmus relictus	003	MV F 99816	1
TAN0308	66	Ophiacanthidae	Ophiomelina	007	MV F 110570	3
TAN0308	66	Ophiuridae	Amphiophiura pertusa	008	MV F 99662	1
TAN0308	66	Ophiacanthidae	Ophiomyces delata	009	MV F 99800	1
TAN0308	66	Ophiuridae	Ophiomusium relictum	013	MV F 99792	1
TAN0308	66	Ophiactidae	Ophiactis abyssicola	040	MV F 99728	1
TAN0308	67	Euryalidae	Astroceras pleiades	001	MV F 99698	20
TAN0308	67	Ophiotrichidae	Ophiothrix ciliaris	003	MV F 99839	1
TAN0308	67	Ophiotrichidae	Ophiothela	004	MV F 99827	20
TAN0308	67	Ophionereididae	Ophionereis sp MoV 4888	034	MV F 99812	1
TAN0308	67	Ophionereididae	Ophionereis porrecta	048	MV F 99813	1
TAN0308	67	Ophiactidae	Ophiactis macrolepidota	048	MV F 99739	3
TAN0308	69	Ophiactidae	Ophiactis resiliens		MV F 99742	1
TAN0308	69	Ophiactidae	Ophiactis	024	MV F 99723	2
TAN0308	71	Ophiuridae	Ophiomusium lymani		AM J 23905	
TAN0308	71	Ophiacanthidae	Ophiotoma	038	MV F 110560	1
TAN0308	71	Asteronychidae	Asteronyx loveni	047	MV F 99688	18
TAN0308	71	Ophiidermatidae	Bathypsectinura heros	048	MV F 99709	2
TAN0308	71	Ophiuridae	Ophiomusium lymani	049, 037	MV F 99789	40
TAN0308	71	Ophiuridae	Aspidophiura sp 2	051	MV F 110599	2
TAN0308	71	Ophiuridae	Ophiura rugosa	052	MV F 99854	9
TAN0308	71	Ophiuridae	Homophiura	053	MV F 110597	2
TAN0308	72	Ophiuridae	Ophiomusium lymani	011	MV F 99790	3
TAN0308	72	Ophiacanthidae	Ophiotreta eximia	012	MV F 110564	3
TAN0308	73	Ophiacanthidae	Ophiurothamnus clausa	012	MV F 99855	1
TAN0308	77	Ophiuridae	Ophiopyrgus	028	MV F 110594	1
TAN0308	77	Ophiuridae	Anthophiura ingolfi	029	MV F 110602	2
TAN0308	77	Ophiacanthidae	Ophiotreta matura	031	MV F 110562	1
TAN0308	78	Ophiuridae	Amphiophiura spatulifera	027	MV F 110583	9

TAN0308	78	Ophiacanthidae	Ophiophthalmus relictus	028	MV F 99817	1
TAN0308	78	Ophiactidae	Ophiactis abyssicola	028	MV F 110556	1
TAN0308	78	Ophiacanthidae	Ophiotrema tertium	029	MV F 99844	2
TAN0308	78	Ophiacanthidae	Ophiotreta matura	029	MV F 110563	2
TAN0308	78	Ophiacanthidae	Ophiacantha duplex	078	MV F 111070	1
TAN0308	80	Ophiuridae	Amphiophiura spatulifera	012	MV F 110582	1
TAN0308	81	Ophiacanthidae	Ophiacantha duplex	016	MV F 111069	2
TAN0308	82	Ophiacanthidae	Ophiacantha duplex	008	MV F 111068	2
TAN0308	82	Ophiuridae	Ophiura ooplax	010	MV F 111058	1
TAN0308	82	Ophiuridae	Amphiophiura bakeri	011	MV F 99671	4
TAN0308	82	Ophiuridae	Stegophiura sp 1	011	MV F 110585	2
TAN0308	82	Ophiuridae	Amphiophiura pertusa	012	MV F 99663	9
TAN0308	82	Ophiacanthidae	Ophiomelina	082	MV F 110574	1
TAN0308	82	Ophiacanthidae	Ophiomyces delata	082	MV F 99801	2
TAN0308	85	Ophiuridae	Amphiophiura cf urbana	008	MV F 110592	3
TAN0308	85	Ophiuridae	Ophiura cf irrorata	008	MV F 110593	1
TAN0308	85	Ophiacanthidae	Ophiacantha rosea	009	MV F 99721	2
TAN0308	85	Ophiacanthidae	Ophiotreta cf spatulifera	009	MV F 110565	1
TAN0308	85	Ophiacanthidae	Ophiotreta valenciennesi	009	MV F 99848	2
TAN0308	85	Ophiotrichidae	Ophiothrix aristulata	010	MV F 99832	1
TAN0308	85	Ophiomyxidae	Ophiomyxa brevirima	011	MV F 99803	4
TAN0308	86	Ophiuridae	Amphiophiura pertusa	019	MV F 99664	1
TAN0308	86	Ophiuridae	Amphiophiura cf urbana	020	MV F 110538	1
TAN0308	86	Ophiidermatidae	Bathypectinura heros	021	MV F 99710	1
TAN0308	86	Ophiacanthidae	Ophiotreta cf spatulifera	022	MV F 110566	1
TAN0308	89	Asteroschematidae	Ophiocreas oedipus	003	MV F 99759	1
TAN0308	89	Ophiacanthidae	Ophiocamax vitrea	019	MV F 99750	1
TAN0308	89	Ophiacanthidae	Ophioplithaca plicata	020	MV F 99822	1
TAN0308	89	Ophiacanthidae	Ophiomelina	089	MV F 110573	1
TAN0308	90	Gorgonocephalidae	Gorgonocephalus pustulatum	001	MV F 99711	1
TAN0308	90	Ophiactidae	Ophiactis abyssicola	013	MV F 99729	2
TAN0308	91	Ophiacanthidae	Ophiophthalmus relictus	036	MV F 99818	3
TAN0308	91	Ophiuridae	Amphiophiura pertusa	044	MV F 99665	1
TAN0308	91	Ophiuridae	Ophiomusium	045	MV F 111061	2
TAN0308	91	Ophiuridae	Anthophiura ingolfi	045	MV F 110533	1
TAN0308	91	Ophiuridae	Ophiopyrgus	045	MV F 110595	1
TAN0308	91	Ophiuridae	Ophirolepidinae sp MoV 4891	046	MV F 99772	4
TAN0308	91	Ophiacanthidae	Ophiotrema	047	MV F 110575	1
TAN0308	91	Ophiacanthidae	Ophiotrema tertium	048	MV F 99845	1
TAN0308	94	Ophiacanthidae	Ophiophthalmus relictus	025	MV F 99819	1
TAN0308	94	Ophiacanthidae	Ophiomyces delata	026, 027	MV F 99802	2
TAN0308	94	Ophiuridae	Ophiomusium	028	MV F 111060	2
TAN0308	94	Ophiuridae	Amphiophiura sp F	029	MV F 110589	1
TAN0308	98	Asteroschematidae	Ophiocreas mortenseni	001	MV F 99756	1
TAN0308	99	Gorgonocephalidae	Asteropora australiensis	002	MV F 99691	11
TAN0308	99	Asteroschematidae	Ophiocreas mortenseni	008	MV F 99757	4
TAN0308	100	Ophiacanthidae	Ophiomitrella granulosa	015	MV F 99781	12
TAN0308	100	Ophiuridae	Amphiophiura confecta	016	MV F 101786	1
TAN0308	100	Ophiidermatidae	Ophiopeza	019	MV F 99815	1
TAN0308	100	Hemieuryalidae	Ophiomoeris obstricta	029	MV F 99785	4
TAN0308	100	Ophiomyxidae	Renetheo felli	031	MV F 99752	2
TAN0308	100	Asteroschematidae	Ophiocreas sibogae	049	MV F 99761	1
TAN0308	100	Gorgonocephalidae	Asteropora australiensis	050	MV F 99692	2
TAN0308	100	Asteroschematidae	Ophiocreas mortenseni	051	MV F 99758	8
TAN0308	102	Ophiacanthidae	Ophidelos		MV F 110579	1
TAN0308	102	Ophiuridae	Amphiophiura spatulifera		MV F 110581	1
TAN0308	102	Ophiuridae	Amphiophiura cf sordida		MV F 110531	2
TAN0308	102	Ophiacanthidae	Ophiurothamnus clausa		MV F 99856	1
TAN0308	102	Ophiuridae	Amphiophiura paupera		MV F 110532	3
TAN0308	102	Ophiuridae	Amphiophiura pertusa		MV F 110535	1
TAN0308	102	Ophiacanthidae	Ophientrema scolopendrica	047	MV F 99743	10
TAN0308	102	Amphiuridae	Amphioplus sp MoV 4892	048, 060	MV F 99682	7

TAN0308	102	Amphiuridae	Amphiura	056	MV F 99683	1
TAN0308	106	Ophiuridae	Amphiophiura confecta	015	MV F 101783	73
TAN0308	106	Ophiactidae	Ophiactis profundi	016	MV F 110558	1
TAN0308	106	Amphiuridae	Amphiura	016	MV F 99684	2
TAN0308	106	Ophiuridae	Ophiomusium sanctum	16	MV F 110557	16
TAN0308	106	Ophiuridae	Ophiozononida picta	16	MV F 110559	1
TAN0308	107	Amphiuridae	Ophiocentrus	038	MV F 99753	1
TAN0308	107	Ophiuridae	Amphiophiura paupera	039	MV F 101789	2
TAN0308	107	Ophiuridae	Amphiophiura confecta	039	MV F 101788	1
TAN0308	107	Amphiuridae	Amphioplus sp MoV 4890	040	MV F 99678	2
TAN0308	107	Ophiuridae	Ophiozononida picta	041	MV F 99852	1
TAN0308	107	Ophiuridae	Ophiomusium simplex	043	MV F 99798	1
TAN0308	107	Ophiomyxidae	Ophiomyxa brevirima	046	MV F 99804	4
TAN0308	107	Ophiuridae	Amphiophiura pertusa	047	MV F 101793	1
TAN0308	107	Ophiuridae	Amphiophiura bakeri	047	MV F 101792	29
TAN0308	111	Ophiuridae	Amphiophiura cf improba	004	MV F 110542	7
TAN0308	111	Ophiuridae	Stegophiura sp 1	013	MV F 110584	25
TAN0308	111	Ophiuridae	Amphiophiura sp F	014	MV F 110588	2
TAN0308	111	Ophiacanthidae	Ophiolimna antarctica	016	MV F 99777	1
TAN0308	111	Ophiactidae	Ophiactis abyssicola	017	MV F 99730	1
TAN0308	111	Amphiuridae	Amphioplus sp MoV 4890	035	MV F 99679	1
TAN0308	114	Ophiuridae	Amphiophiura bakeri	004	MV F 99672	2
TAN0308	126	Gorgonocephalidae	Astrothorax waitei		MV F 99701	1
TAN0308	126	Ophiacanthidae	Ophiacantha fidelis		AM J 23911	
TAN0308	126	Gorgonocephalidae	Astrothrombus vecors	017	MV F 99707	1
TAN0308	126	Ophiacanthidae	Ophiacantha fidelis	018	MV F 97377	400
TAN0308	126	Asteroschematidae	Ophiocreas sibogae	019	MV F 99762	1
TAN0308	126	Ophiochitonidae	Ophiochiton sp MoV 4887	052	MV F 99755	4
TAN0308	126	Asteroschematidae	Asteroschema bidwillae	053	MV F 99694	20
TAN0308	126	Ophiotrichidae	Ophiothrix aristulata	054	MV F 99833	4
TAN0308	126	Ophiuridae	Ophiomusium scalare	057	MV F 99795	3
TAN0308	126	Asteroschematidae	Ophiocreas sibogae	058	MV F 99764	7
TAN0308	126	Asteroschematidae	Ophiocreas sibogae	059	MV F 99763	6
TAN0308	132	Ophiomyxidae	Ophiomyxa brevirima	003	MV F 99805	1
TAN0308	132	Asteroschematidae	Ophiocreas sibogae	004	MV F 99765	1
TAN0308	132	Asteroschematidae	Asteroschema bidwillae	006	MV F 99695	25
TAN0308	132	Ophiacanthidae	Ophiomelina	008	MV F 110572	1
TAN0308	132	Ophiacanthidae	Ophiacantha fidelis	009	MV F 99714	100
TAN0308	133	Ophiotrichidae	Ophiothrix aristulata		AM J 23912	5
TAN0308	133	Ophiotrichidae	Ophiothrix aristulata	004	MV F 99834	10
TAN0308	133	Gorgonocephalidae	Gorgonocephalus pustulatum	009	MV F 99712	2
TAN0308	133	Amphiuridae	Amphiura magellanica	013	MV F 99685	3
TAN0308	133	Gorgonocephalidae	Astrothrombus vecors	031	MV F 97372	7
TAN0308	133	Ophiomyxidae	Ophiomyxa brevirima	032	MV F 99806	1
TAN0308	133	Asteroschematidae	Ophiocreas sibogae	033	MV F 99766	1
TAN0308	133	Asteroschematidae	Ophiocreas sibogae	034	MV F 99767	20
TAN0308	133	Ophiacanthidae	Ophiacantha fidelis	035	MV F 99715	50
TAN0308	133	Gorgonocephalidae	Astrothorax waitei	036	MV F 99702	3
TAN0308	136	Asteroschematidae	Ophiocreas sibogae	001	MV F 99769	3
TAN0308	136	Amphiuridae	Amphiura magellanica	004	MV F 99686	5
TAN0308	136	Ophiotrichidae	Ophiothrix aristulata	010	MV F 99835	8
TAN0308	136	Asteroschematidae	Ophiocreas willsi	011	MV F 99770	1
TAN0308	136	Asteroschematidae	Asteroschema bidwillae	011	MV F 99696	13
TAN0308	136	Asteroschematidae	Ophiocreas sibogae	011	MV F 99768	2
TAN0308	136	Ophiacanthidae	Ophiacantha fidelis	014	MV F 99716	500
TAN0308	136	Ophiuridae	Amphiophiura cf urbana	015	MV F 110600	2
TAN0308	136	Ophiomyxidae	Ophiomyxa brevirima	016	MV F 99807	1
TAN0308	136	Ophiuridae	Amphiophiura cf urbana	035	MV F 110601	3
TAN0308	138	Ophiotrichidae	Ophiothrix aristulata		AM J 23913	
TAN0308	138	Ophiacanthidae	Ophiacantha fuscina	003	MV F 99717	15
TAN0308	138	Gorgonocephalidae	Astrothorax waitei	004	MV F 99703	4
TAN0308	138	Ophiotrichidae	Ophiothrix aristulata	008	MV F 99836	19

TAN0308	139	Ophiotrichidae	Ophiothrix aristulata	003	MV F 99837	5
TAN0308	139	Gorgonocephalidae	Astrothorax waitei	004	MV F 99704	4
TAN0308	139	Ophiacanthidae	Ophiacantha fuscina	005	MV F 99718	2
TAN0308	140	Gorgonocephalidae	Astrothorax waitei	004	MV F 99705	1
TAN0308	141	Ophiuridae	Amphiophiura pertusa		MV F 99666	2
TAN0308	141	Ophiuridae	Amphiophiura bakeri		MV F 99673	3
TAN0308	141	Ophiacanthidae	Ophiacantha otagoensis		MV F 110577	1
TAN0308	141	Ophiuridae	Amphiophiura paupera		MV F 101785	3
TAN0308	141	Ophiuridae	Amphiophiura laudata	005	MV F 110539	3
TAN0308	141	Ophiuridae	Homophiura	006	MV F 110596	3
TAN0308	141	Ophiuridae	Ophiura sp D	008	MV F 110537	1
TAN0308	141	Ophiomyxidae	Ophiomyxa brevirima	022	MV F 99808	30
TAN0308	141	Amphiuridae	Amphioplus sp MoV 4890	023	MV F 99680	50
TAN0308	141	Hemieuryalidae	Ophiomoeris obstricta	035	MV F 99786	1
TAN0308	141	Ophiactidae	Ophiactis abyssicola	040	MV F 99731	1
TAN0308	141	Ophiacanthidae	Ophiacantha cf vorax	041	MV F 110561	1
TAN0308	141	Ophiuridae	Ophiozonoida picta	063	MV F 99853	1
TAN0308	141	Ophiuridae	Ophiomusium relictum	073	MV F 99793	1
TAN0308	141	Ophiuridae	Aspidophiura sp 1	141	MV F 110598	3
TAN0308	141	Ophiuridae	Amphiophiura cf improba	141	MV F 110544	3
TAN0308	144	Ophioleucidae	Ophioleuce seminudum	003	MV F 99776	1
TAN0308	144	Ophiacanthidae	Ophiacantha fuscina	004	MV F 99719	2
TAN0308	145	Ophiuridae	Stegophiura sp 1	002	MV F 110587	1
TAN0308	146	Ophiuridae	Amphiophiura bakeri	004	MV F 99674	1
TAN0308	149	Asteroschematidae	Asteroschema bidwilliae	001	MV F 99697	54
TAN0308	149	Ophiuridae	Ophiomusium scalare	002	MV F 99796	1
TAN0308	150	Ophiomyxidae	Ophiomyxa brevirima	001	MV F 99809	1
TAN0308	150	Ophioleucidae	Ophioleuce brevispinum	002	MV F 99775	1
TAN0308	150	Ophiactidae	Ophiactis abyssicola	003	MV F 99732	15
TAN0308	150	Ophiuridae	Amphiophiura cf improba	005	MV F 110543	7
TAN0308	150	Ophiacanthidae	Ophiolimna antarctica	009	MV F 99778	2
TAN0308	150	Ophiuridae	Amphiophiura sp G	009	MV F 110591	1
TAN0308	150	Ophiuridae	Amphiophiura pertusa	010	MV F 99667	1
TAN0308	150	Ophiuridae	Ophiura sp D	017	MV F 110536	1
TAN0308	150	Ophiacanthidae	Ophiurothamnus clausa	021	MV F 99857	1
TAN0308	154	Ophiuridae	Ophiomusium scalare		MV F 99797	4
TAN0308	154	Amphiuridae	Amphioplus sp MoV 4890	041	MV F 99681	1
TAN0308	154	Ophiacanthidae	Ophiacantha fuscina	042	MV F 99720	3
TAN0308	154	Ophiuridae	Ophiocypris megaloplax	043	MV F 101790	3
TAN0308	154	Ophiocomidae	Ophiopsila novaezealandiae	044	MV F 99823	1
TAN0308	154	Ophiactidae	Ophiactis hirta	045, 040	MV F 99737	20
TAN0308	154	Amphiuridae	Amphiura magellanica	047	MV F 99687	7
TAN0308	154	Ophiotrichidae	Ophiothrix aristulata	048	MV F 99838	4
TAN0308	154	Gorgonocephalidae	Astrothorax waitei	049	MV F 99706	1
TAN0308	154	Hemieuryalidae	Ophiomoeris obstricta	060	MV F 110553	1
TAN0308	154	Ophiomyxidae	Ophiomyxa brevirima	094	MV F 99810	4
TAN0308	154	Ophiactidae	Ophiactis profundi	095, 039	MV F 99741	10
TAN0308	155	Ophiuridae	Stegophiura sp 1	004	MV F 110586	1
TAN0308	158	Ophiuridae	Amphiophiura pertusa	007	MV F 99668	6
TAN0308	158	Ophiuridae	Amphiophiura bakeri	007	MV F 99675	3
TAN0308	158	Ophiuridae	Amphiophiura cf improba	008, 007	MV F 110541	16
TAN0308	159	Ophiuridae	Amphiophiura pertusa	002	MV F 99669	1
TAN0308	167	Asteronychidae	Asteronyx loveni	001	MV F 99689	5
TAN0308	167	Ophiuridae	Ophiomusium lymani	007	MV F 99791	2