

Table S3: Number of Chordata detections in Rottneest Island zooplankton samples by each assay.

Class	Order	Family	Genus	Species	In Australia [5]	Rottneest [5]	Copepod 3	Cnidaria	Fish	Mollusca	Copepod 1	18S
Actinopterygii	Anguilliformes	Congridae	<i>Gnathophis</i>		Yes	Yes	1	0	0	0	0	0
		Muraenidae			Yes	Yes	0	0	1	0	0	0
	Aulopiformes	Aulopidae			Yes	Yes	2	0	0	0	0	0
			<i>Latropiscis</i>	<i>Latropiscis purpurissatus</i>	Yes	Yes	0	0	1	0	0	0
	Beryciformes	Notosudidae	<i>Scopelosaurus</i>		Yes	Yes	1	0	0	0	0	0
			Berycidae	<i>Centroberyx</i>		Yes	Yes	0	0	1	0	0
	Clupiformes	Clupeidae		<i>Centroberyx lineatus</i>	Yes	Yes	1	0	0	1	0	0
			<i>Sardinops</i>	<i>Sardinops sagax</i>	Yes	Yes	31	30	37	31	0	0
		Dussumieriidae	<i>Spratelloides</i>		Yes	Yes	0	0	1	0	0	0
			<i>Etrumeus</i>		Yes	Yes	0	0	0	2	0	0
		Engraulidae		<i>Etrumeus teres</i>	Yes	Yes	10	12	20	11	0	0
			<i>Engraulis</i>		Yes	Yes	0	0	16	2	0	0
	Gadiformes	Moridae		<i>Engraulis japonicus</i>	No	No	8	0	0	0	0	0
			<i>Lotella</i>	<i>Lotella rhacina</i>	Yes	Yes	0	0	2	0	0	0
	Myctophiformes	Myctophidae			Yes	Yes	0	0	1	0	0	0
			<i>Benthoosema</i>	<i>Benthoosema fibulatum</i>	Yes	Yes	0	0	1	0	0	0
			<i>Diaphus</i>		Yes	Yes	1	0	6	0	0	0
			<i>Lampanyctus</i>	<i>Lampanyctus alatus</i>	Yes	Yes	1	0	0	0	0	0
			<i>Notolychnus</i>	<i>Notolychnus valdiviae</i>	Yes	Yes	0	0	1	0	0	0
			<i>Scopelopsis</i>	<i>Scopelopsis multipunctatus</i>	Yes	Yes	1	0	0	0	0	0
	Perciformes	Apogoninae			Yes	Yes	1	0	0	0	0	0
			<i>Apogon</i>	<i>Apogon doederleini</i>	Yes	Yes	1	1	0	1	0	0
		Arripidae	<i>Arripis</i>	<i>Arripis trutta</i>	Yes	Yes	0	0	1	0	0	0
			<i>Cirripectes</i>	<i>Cirripectes castaneus</i>	Yes	No	1	0	0	0	0	0
		Carangidae	<i>Pseudocaranx</i>	<i>Pseudocaranx wrighti</i>	Yes	Yes	1	0	2	0	0	0
			<i>Trachurus</i>		Yes	Yes	0	0	8	1	0	0
		Cheilodactylidae	<i>Nemadactylus</i>		Yes	Yes	0	0	2	0	0	0
			<i>Emmelichthyidae</i>	<i>Plagiogeneion</i>		Yes	Yes	1	0	0	0	0
				<i>Plagiogeneion rubiginosum</i>	Yes	Yes	0	0	1	0	0	0

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		Gerreidae	<i>Parequula</i>		Yes	Yes	0	0	1	0	0	0
				<i>Parequula melbournensis</i>	Yes	Yes	0	0	3	0	0	0
		Glaucosomatidae	<i>Glaucosoma</i>	<i>Glaucosoma hebraicum</i>	Yes	Yes	0	0	1	0	0	0
		Gobiidae			Yes	Yes	0	0	1	0	0	0
		Haemulidae			Yes	Yes	0	0	1	0	0	0
		Kyphosidae	<i>Kyphosus</i>		Yes	Yes	0	0	1	0	0	0
		Labridae			Yes	Yes	5	0	4	0	0	0
			<i>Austrolabrus</i>	<i>Austrolabrus maculatus</i>	Yes	Yes	0	0	16	0	0	0
			<i>Choerodon</i>		Yes	Yes	0	0	1	0	0	0
			<i>Coris</i>		Yes	Yes	0	0	2	0	0	0
				<i>Coris auricularis</i>	Yes	Yes	1	0	0	0	0	0
			<i>Halichoeres</i>	<i>Halichoeres brownfieldi</i>	Yes	Yes	0	0	4	0	0	0
			<i>Labroides</i>	<i>Labroides dimidiatus</i>	Yes	Yes	0	0	1	0	0	0
			<i>Notolabrus</i>		Yes	Yes	1	0	0	0	0	0
			<i>Ophthalmolepis</i>	<i>Ophthalmolepis lineolata</i>	Yes	Yes	0	0	1	0	0	0
			<i>Pictilabrus</i>		Yes	Yes	0	0	15	0	0	0
			<i>Pseudolabrus</i>	<i>Pseudolabrus biserialis</i>	Yes	Yes	0	0	1	0	0	0
			<i>Thalassoma</i>		Yes	Yes	0	0	1	0	0	0
		Mullidae			Yes	Yes	0	0	0	11	0	0
			<i>Upeneichthys</i>		Yes	Yes	0	0	2	0	0	0
				<i>Upeneichthys stotti</i>	Yes	Yes	0	0	10	0	0	0
				<i>Upeneichthys vlamingii</i>	Yes	Yes	0	0	0	1	0	0
		Odacidae			Yes	Yes	0	0	3	0	0	0
			<i>Heteroscarus</i>	<i>Heteroscarus acroptilus</i>	Yes	Yes	3	0	0	0	0	0
			<i>Odax</i>	<i>Odax acroptilus</i>	Yes	Yes	0	0	3	0	0	0
		Opistognathidae			Yes	Yes	0	0	1	0	0	0
		Pempheridae	<i>Parapriacanthus</i>		Yes	Yes	0	0	3	0	0	0
				<i>Parapriacanthus elongatus</i>	Yes	Yes	0	0	11	0	0	0
		Pinguipedidae	<i>Parapercis</i>	<i>Parapercis ramsayi</i>	Yes	Yes	0	0	1	0	0	0
		Pomacentridae	<i>Chromis</i>		Yes	Yes	4	0	5	0	0	0
				<i>Chromis notata</i>	No	No	4	0	4	0	0	0
		Scaridae	<i>Scarus</i>	<i>Scarus chameleon</i>	Yes	Yes	1	0	0	0	0	0

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		Scombridae	<i>Scomber</i>		Yes	Yes	1	0	1	0	0	0
		Sillaginidae	<i>Sillaginodes</i>	<i>Sillaginodes punctatus</i>	Yes	Yes	0	0	2	0	0	0
			<i>Sillago</i>		Yes	Yes	1	0	1	0	0	0
				<i>Sillago bassensis</i>	Yes	Yes	1	0	1	0	0	0
	Scorpaeniformes	Sparidae			Yes	Yes	0	0	1	0	0	0
		Neosebastidae	<i>Neosebastes</i>		Yes	Yes	0	0	2	0	0	0
		Platycephalidae	<i>Leviprora</i>	<i>Leviprora inops</i>	Yes	Yes	0	0	0	1	0	0
			<i>Platycephalus</i>		Yes	Yes	0	0	5	0	0	0
			<i>Thysanophrys</i>	<i>Thysanophrys cirronasa</i>	Yes	Yes	0	0	0	1	0	0
		Triglidae	<i>Lepidotrigla</i>		Yes	Yes	0	0	2	0	0	0
	Stomiiformes	Gonostomatidae	<i>Cyclothone</i>		Yes	Yes	0	0	1	0	0	0
		Phosichthyidae	<i>Vinciguerra</i>		Yes	Yes	3	0	0	1	0	0
	Tetraodontiformes	Monacanthidae			Yes	Yes	3	0	3	0	0	0
			<i>Acanthaluteres</i>		Yes	Yes	0	1	0	0	0	0
				<i>Acanthaluteres vittiger</i>	Yes	Yes	0	0	4	0	0	0
			<i>Eubalichthys</i>	<i>Eubalichthys mosaicus</i>	Yes	Yes	2	1	1	0	1	0
			<i>Nelusetta</i>	<i>Nelusetta ayraudi</i>	Yes	Yes	1	0	1	0	0	0
			<i>Scobinichthys</i>	<i>Scobinichthys granulatus</i>	Yes	Yes	0	0	1	0	0	0
Amphibia	Anura	Ranidae			Yes	No	1	0	0	0	0	0
Appendicularia	Copelata	Oikopleuridae	<i>Oikopleura</i>		Yes	No	0	0	0	0	0	1
				<i>Oikopleura dioica</i>	Yes (6)	No	0	0	0	0	0	10
Ascidacea	Phlebobrancia	Perophoridae			Yes	Yes	0	0	0	0	0	1
	Stolidobranchia	Pyuridae	<i>Herdmania</i>	<i>Herdmania momus</i>	Yes	Yes	0	0	0	0	0	1
Thaliacea	Salpida	Salpidae			Yes	Yes	0	0	0	0	0	1
			<i>Brooksia</i>	<i>Brooksia rostrata</i>	Yes	No	0	0	0	0	0	1
			<i>Cyclosalpa</i>		Yes	No	0	0	0	0	0	1
			<i>Thalia</i>		Yes	No	0	0	0	0	0	8
	Doliolida	Doliolidae			Yes	Yes	0	0	0	0	0	1
			<i>Doliolum</i>	<i>Doliolum nationalis</i>	Yes (6)	No	1	0	0	0	0	0