

Table S2: Number of Arthropoda detections in Rottneest Island zooplankton samples by each assay.

Class	Order	Family	Genus	Species	Australia [4, 5]	Rottneest [5]	Copepod 3	Cnidaria	Crust	Mollusca	Copepod 2	Copepod 1	18S
Branchiopoda - Diplostraca					Yes	Yes	1	0	0	0	0	0	0
Branchiopoda		Limnadiidae (ALA)			Yes	Yes	1	0	0	0	0	0	0
	Ctenopoda	Sididae	<i>Penilia</i>	<i>Penilia avirostris</i>	Yes	Yes	32	24	0	31	0	0	14
	Onychopoda	Podonidae	<i>Evadne</i>	<i>Evadne spinifera</i>	Yes	Yes	0	0	1	0	0	0	0
			<i>Pseudevadne</i>		Yes	Yes	0	0	0	4	0	0	0
				<i>Pseudevadne tergestina</i>	Yes	Yes	0	6	0	0	0	0	0
Hexanauplia	Calanoida				Yes	Yes	115	15	0	77	222	2	125
		Acartiidae			Yes	Yes	0	0	0	0	0	10	0
			<i>Acartia</i>		Yes	Yes	0	0	0	0	0	0	10
			<i>Acartia (Acartia)</i>	<i>Acartia (Acartia) danae</i>	Yes	Yes	20	0	0	1	0	0	1
				<i>Acartia (Acartia) negligens</i>	Yes	Yes	46	17	0	1	0	0	0
			<i>Acartiella</i>		No	No	0	0	0	0	32	0	0
		Aetideidae			Yes	Yes	0	0	0	0	6	0	25
			<i>Aetideus</i>	<i>Aetideus acutus</i>	Yes	No	0	0	0	0	4	0	0
			<i>Gaetanus</i>		Yes	No	0	0	0	0	0	0	17
		Augaptilidae			Yes	Yes	0	0	0	0	0	0	4
			<i>Haloptilus</i>		Yes	Yes	0	0	0	0	0	0	4
				<i>Haloptilus longicornis</i>	Yes	Yes	0	0	0	0	2	0	0
		Calanidae			Yes	Yes	2	1	0	0	0	8	17
			<i>Canthocalanus</i>	<i>Canthocalanus pauper</i>	Yes	Yes	14	0	0	17	0	0	0
			<i>Cosmocalanus</i>		Yes	Yes	2	0	0	0	0	1	0
				<i>Cosmocalanus darwinii</i>	Yes	Yes	36	1	0	3	0	42	0
			<i>Nannocalanus</i>		Yes	Yes	1	0	0	5	0	3	0
			<i>Neocalanus</i>	<i>Neocalanus gracilis</i>	Yes	Yes	0	0	0	1	0	0	0
			<i>Undinula</i>	<i>Undinula vulgaris</i>	Yes	Yes	17	0	0	1	0	2	7
		Candaciidae			Yes	Yes	4	0	0	0	0	0	0
			<i>Candacia</i>		Yes	Yes	0	0	0	0	0	0	10
				<i>Candacia bipinnata</i>	Yes	Yes	0	0	0	2	0	0	0
				<i>Candacia bradyi</i>	Yes	Yes	0	0	0	40	2	0	0

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				<i>Candacia catula</i>	Yes	Yes	0	0	0	2	1	0	0
				<i>Candacia discaudata</i>	Yes	No	0	0	0	2	1	0	0
				<i>Candacia pachydactyla</i>	Yes	No	0	0	0	0	0	0	1
				<i>Candacia simplex</i>	Yes	No	1	0	0	0	0	0	0
				<i>Candacia truncata</i>	Yes	No	5	0	0	0	0	0	0
		Centropagidae			Yes	Yes	0	0	0	0	0	2	0
			<i>Boeckella</i>		Yes	Yes	0	0	0	2	0	0	0
			<i>Centropages</i>	<i>Centropages furcatus</i>	Yes	No	9	0	0	2	0	0	0
				<i>Centropages orsinii</i>	Yes	Yes	7	0	0	1	2	0	0
		Clausocalanidae	<i>Clausocalanus</i>		Yes	Yes	5	0	0	0	0	14	44
				<i>Clausocalanus arcuicornis</i>	Yes	Yes	6	0	0	0	0	0	0
				<i>Clausocalanus farrani</i>	Yes	Yes	0	0	0	1	0	34	0
				<i>Clausocalanus furcatus</i>	Yes	Yes	54	3	0	21	53	0	0
				<i>Clausocalanus ingens</i>	Yes	No	1	0	0	0	0	0	4
				<i>Clausocalanus jobei</i>	Yes	Yes	2	0	0	0	2	23	0
				<i>Clausocalanus lividus</i>	Yes	No	0	0	0	0	3	0	0
				<i>Clausocalanus mastigophorus</i>	Yes	Yes	0	0	0	0	1	0	0
				<i>Clausocalanus minor</i>	Yes	Yes	6	0	0	0	25	15	0
				<i>Clausocalanus parapergens</i>	Yes	No	1	0	0	0	23	4	0
				<i>Clausocalanus pergens</i>	Yes	No	1	0	0	0	0	0	0
		Eucalanidae	<i>Ctenocalanus</i>	<i>Ctenocalanus vanus</i>	Yes	Yes	16	0	0	0	7	32	0
					Yes	Yes	9	0	0	3	0	0	20
			<i>Eucalanus</i>		Yes	No	0	0	0	0	1	0	0
			<i>Pareucalanus</i>	<i>Pareucalanus attenuatus</i>	No	No	0	3	0	0	0	0	0
				<i>Pareucalanus sewelli</i>	Yes	No	3	0	0	0	0	0	0
		Euchaetidae			Yes	Yes	0	0	0	0	0	1	0
			<i>Euchaeta</i>	<i>Euchaeta concinna</i>	Yes	No	4	0	0	0	0	2	0
				<i>Euchaeta longicornis</i>	No	No	0	0	0	1	0	0	0

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				<i>Euchaeta marina</i>	Yes	No	0	0	0	9	11	0	0
		Lucicutiidae	<i>Lucicutia</i>	<i>Lucicutia flavicornis</i>	Yes	Yes	0	0	0	31	29	0	0
		Metridinidae	<i>Pleuromamma</i>	<i>Pleuromamma gracilis</i>	Yes	Yes	0	0	0	0	7	0	0
				<i>Pleuromamma piseki</i>	Yes	Yes	0	0	0	0	9	0	0
		Paracalanidae			Yes	Yes	0	0	0	0	16	8	1
			<i>Acrocalanus</i>		Yes	Yes	0	0	0	0	2	0	0
				<i>Acrocalanus gracilis</i>	Yes	Yes	11	0	0	0	2	1	0
				<i>Acrocalanus monachus</i>	Yes	No	0	0	0	0	0	0	10
			<i>Bestiolina</i>		Yes	Yes	38	0	0	29	0	0	0
			<i>Calocalanus</i>		Yes	Yes	25	0	0	1	48	1	0
				<i>Calocalanus minutus</i>	No	No	19	0	0	0	0	0	0
				<i>Calocalanus pavo</i>	Yes	Yes	11	0	0	14	3	8	0
				<i>Calocalanus plumulosus</i>	Yes	Yes	13	0	0	0	28	0	14
			<i>Delibus</i>		Yes	No	22	0	0	34	29	13	0
			<i>Mecynocera</i>	<i>Mecynocera clausi</i>	Yes	Yes	0	0	0	40	0	0	4
			<i>Paracalanus</i>		Yes	Yes	43	0	0	10	58	4	0
				<i>Paracalanus aculeatus</i>	Yes	Yes	45	0	0	0	0	0	0
				<i>Paracalanus denudatus</i>	Yes	No	0	0	0	0	21	29	0
				<i>Paracalanus gracilis</i>	No	No	0	0	0	0	17	0	0
				<i>Paracalanus indicus</i>	Yes	Yes	55	0	0	55	0	8	0
				<i>Paracalanus nanus</i>	No	No	41	0	0	4	30	5	0
				<i>Paracalanus parvus</i>	Yes	Yes	0	0	0	0	0	0	54
		Pontellidae	<i>Labidocera</i>	<i>Labidocera acuta</i>	Yes	No	0	2	0	1	0	0	0
				<i>Labidocera minuta</i>	Yes	Yes	33	0	0	2	0	0	0
			<i>Pontellina</i>	<i>Pontellina plumata</i>	Yes	No	1	11	0	1	0	0	0
		Rhincalanidae	<i>Rhincalanus</i>		Yes	Yes	1	0	0	0	0	0	0
				<i>Rhincalanus cornutus</i>	Yes	No	0	0	0	1	0	0	0
		Scolecitrichidae	<i>Scolecithricella</i>		Yes	No	1	0	0	0	0	0	0
				<i>Scolecithricella longispinosa</i>	No	No	1	0	0	0	2	0	0
			<i>Scolecithrix</i>	<i>Scolecithrix danae</i>	Yes	Yes	17	0	0	0	0	0	0

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		Subeucalanidae	<i>Subeucalanus</i>		Yes	Yes	5	0	0	10	0	0	4
				<i>Subeucalanus mucronatus</i>	Yes	No	2	1	0	3	1	0	0
				<i>Subeucalanus pileatus</i>	Yes	Yes	1	0	0	9	0	0	0
				<i>Subeucalanus subtenuis</i>	Yes	No	42	0	0	0	0	0	0
		Temoridae	<i>Temora</i>		Yes	Yes	0	0	0	0	0	0	5
				<i>Temora discaudata</i>	Yes	Yes	1	0	0	5	1	0	0
	Cyclopoida - Poecilostomatoida				Yes	Yes	0	0	0	3	2	2	0
	Cyclopoida	Corycaeidae	<i>Farranula</i>	<i>Farranula gibbula</i>	Yes	Yes	0	0	0	7	0	0	0
		Oncaea	<i>Oncaea</i>		Yes	Yes	0	0	0	2	0	8	0
				<i>Oncaea mediterranea</i>	Yes	Yes	0	0	0	6	0	10	0
				<i>Oncaea scottodiarloi</i>	Yes	No	0	0	0	3	0	12	0
				<i>Oncaea waldemari</i>	Yes	No	0	1	0	4	0	36	0
			<i>Triconia</i>		Yes	Yes	0	0	0	4	0	27	0
				<i>Triconia minuta</i>	No	No	0	0	0	0	0	9	0
				<i>Triconia umerus</i>	Yes	No	0	0	0	0	0	17	0
		Sapphirinidae			Yes	Yes	0	0	0	2	1	0	0
			<i>Copila</i>	<i>Copilia mirabilis</i>	Yes	Yes	0	0	0	12	0	0	0
			<i>Sapphirina</i>	<i>Sapphirina metallina</i>	Yes	No	0	0	0	1	1	0	0
	Harpacticoida	Euterpinidae	<i>Euterpina</i>	<i>Euterpina acutifrons</i>	Yes	Yes	0	0	0	0	0	0	1
	Lepadiformes	Lepadidae	<i>Conchoderma</i>	<i>Conchoderma virgatum</i>	Yes	No	2	2	0	1	0	0	0
Insecta	Coleoptera	Hydrophilidae			Yes	Yes	0	1	0	0	0	0	0
Malacostraca	Amphipoda				Yes	Yes	0	0	0	1	0	0	0
		Ischyroceridae	<i>Jassa</i>	<i>Jassa slatteryi</i>	Yes	No	1	0	0	0	0	0	0
		Lestrigonidae	<i>Hyperietta</i>		Yes	Yes	2	0	0	0	0	0	0
				<i>Hyperietta parviceps</i>	No	No	0	0	0	2	0	0	0
			<i>Hyperioides</i>	<i>Hyperioides longipes</i>	Yes	No	1	0	0	0	0	0	0
				<i>Hyperioides sibaginis</i>	Yes	No	2	0	0	1	0	0	0
			<i>Lestrigonus</i>	<i>Lestrigonus bengalensis</i>	Yes	Yes	0	0	0	0	0	2	0
	Decapoda - Anomura				Yes	Yes	2	0	0	0	0	0	0

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	Decapoda - Caridea				Yes	Yes	1	0	0	0	0	0	0
	Decapoda - Pilumnoidea				Yes	Yes	0	0	41	0	0	0	0
	Decapoda - Xanthoidea				Yes	Yes	1	0	0	0	0	0	0
	Decapoda				Yes	Yes	2	5	6	5	0	0	20
		Alpheidae			Yes	Yes	0	0	0	19	0	0	0
			<i>Alpheus</i>		Yes	Yes	0	0	0	0	0	0	2
		Axiidae	<i>Spongiaxius</i>	<i>Spongiaxius brucei</i>	Yes	No	0	0	0	0	0	0	1
		Callinassidae			Yes	Yes	0	0	0	0	0	0	1
			<i>Trypaea</i>	<i>Trypaea australiensis</i>	Yes	No	0	0	3	0	0	0	0
		Diogenidae	<i>Calcinus</i>	<i>Calcinus dapsiles</i>	Yes	Yes	10	0	9	0	0	0	0
		Epialtidae	<i>Menaethius</i>		Yes	No	0	0	4	0	0	0	0
		Hippolytidae			Yes	Yes	0	0	1	0	0	0	1
			<i>Alope</i>	<i>Alope orientalis</i>	Yes	Yes	0	0	5	0	0	0	0
			<i>Hippolyte</i>	<i>Hippolyte bifidirostris</i>	No	No	0	0	0	0	0	0	2
		Hymenosomatidae	<i>Haliscarcinus</i>		Yes	Yes	0	0	1	1	0	0	1
		Luciferidae	<i>Belzebub</i>	<i>Belzebub intermedius</i>	No	No	5	0	0	0	0	0	0
			<i>Lucifer</i>		Yes	Yes	0	0	0	10	0	0	0
				<i>Lucifer typus</i>	Yes	No	3	0	0	0	0	0	0
		Lysmatidae	<i>Lysmata</i>	<i>Lysmata ternatensis</i>	No	No	0	0	1	0	0	0	0
		Palinuridae			Yes	Yes	1	0	0	0	0	0	0
			<i>Panulirus</i>	<i>Panulirus cygnus</i>	Yes	Yes	0	0	4	0	0	0	0
		Pandalidae			Yes	Yes	0	0	0	0	0	0	1
		Panopeidae			Yes	No	1	0	0	0	0	0	0
			<i>Eurytium</i>		No	No	2	0	0	0	0	0	0
		Pasiphaeidae	<i>Leptocheila</i>		Yes	Yes	0	0	0	0	0	0	3
		Penaeidae			Yes	Yes	0	0	2	0	0	0	0
		Polybiidae			Yes	Yes	0	0	3	0	0	0	0
			<i>Liocarcinus</i>	<i>Liocarcinus corrugatus</i>	Yes	Yes	2	0	0	0	0	0	0
		Portunidae	<i>Thalamita</i>		Yes	Yes	0	0	4	0	0	0	0
				<i>Thalamita admete</i>	Yes	No	0	0	3	0	0	0	0
		Processidae	<i>Nikoides</i>		Yes	No	0	0	2	0	0	0	0

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				<i>Nikoides danae</i>	Yes	No	0	0	0	0	0	0	4
		Pseudoziidae			Yes	No	0	0	0	1	0	0	0
		Scyllaridae	<i>Crenarctus</i>	<i>Crenarctus bicuspidatus</i>	No	No	0	0	1	0	0	0	0
		Xanthidae			Yes	Yes	0	0	3	0	0	0	0
			<i>Actaeodes</i>		Yes	Yes	0	0	7	0	0	0	0
			<i>Danielea</i>	<i>Danielea noelensis</i>	No	No	0	0	1	0	0	0	0
			<i>Nanocassiope</i>		Yes	Yes	3	0	0	0	0	0	0
				<i>Nanocassiope alcocki</i>	Yes	No	1	0	11	0	0	0	0
			<i>Paraxanthias</i>	<i>Paraxanthias elegans</i>	Yes	No	0	0	2	0	0	0	0
	Euphausiacea				Yes	Yes	0	0	6	0	0	0	0
		Euphausiidae			Yes	Yes	0	0	0	0	0	0	2
			<i>Euphausia</i>		Yes	Yes	0	0	0	1	0	0	0
				<i>Euphausia hemigibba</i>	Yes	No	4	0	0	3	0	0	0
				<i>Euphausia recurva</i>	Yes	Yes	4	0	7	0	0	0	0
			<i>Stylocheiron</i>	<i>Stylocheiron carinatum</i>	Yes	No	0	1	0	0	0	0	0
	Sessilia				Yes	Yes	0	1	0	0	0	0	0
Ostracoda	Halocyprida	Halocyprididae			Yes	Yes	0	0	0	1	0	0	0
	Myodocopida	Cypridinidae			Yes	Yes	0	0	0	0	0	0	5