

Table S7: Number of other Animalia taxa detections in Rottneest Island zooplankton samples by each assay.

Phyla	Class	Order	Family	Genus	Species	Australia [5]	Rottneest [5]	Copepod 3	Cnidaria	Crust	Mollusca	Copepod 2	Copepod 1	18S
Annelida	Polychaeta	Echiuroidea	Bonelliidae	<i>Bonellia</i>		Yes	Yes	0	0	0	1	0	0	0
		Phyllodocida				Yes	Yes	1	2	0	3	0	0	1
		Spionida	Spionidae			Yes	Yes	0	0	0	0	0	0	0
Bryozoa	Gymnolaemata	Cheilostomata	Candidae	<i>Tricellaria (ALA)</i>		Yes	No	0	0	1	0	0	0	0
		Membraniporidae		<i>Biflustra</i>		Yes	Yes	0	0	0	2	0	0	0
		Watersiporidae		<i>Watersipora</i>	<i>Watersipora cucullata</i>	Yes	No	0	0	0	2	0	0	0
		Ctenostomatida	Flustrellidridae	<i>Flustrellidra</i>	<i>Flustrellidra armata</i>	No	No	1	0	0	0	1	2	0
Chaetognatha	Sagittoidea	Aphragmophora	Sagittidae			Yes	Yes	0	1	0	0	0	0	7
				<i>Aidanosagitta</i>	<i>Aidanosagitta neglecta</i>	Yes	Yes	0	0	0	0	0	0	2
				<i>Sagitta</i>		Yes	Yes	1	0	0	2	0	2	0
					<i>Sagitta bipunctata</i>	Yes	Yes	0	0	0	0	0	2	0
Ctenophora	Nuda	Berioda	Beroidae	<i>Beroe</i>	Yes	No	0	0	0	0	0	0	1	
Porifera	Demospongiae					Yes	Yes	0	1	0	0	0	0	0
		Axinellida	Axinellidae			Yes	Yes	0	1	0	0	0	0	0
		Bubarida	Dictyonellidae	<i>Acanthella</i>		Yes	Yes	0	1	0	0	0	0	0
		Clionaida	Clionidae	<i>Cliona</i>	<i>Cliona jullieni</i>	No	No	0	0	0	3	0	0	0
		Dendroceratida	Darwinellidae	<i>Dendrilla</i>		Yes	Yes	1	0	0	0	0	0	0
		Poecilosclerida				Yes	Yes	1	1	0	1	0	0	1
			Hymedesmiidae	<i>Phorbas</i>		Yes	Yes	0	0	0	1	0	0	0
			Microcionidae	<i>Clathria</i>		Yes	Yes	0	0	0	1	0	0	0
				<i>Ophlitaspongia</i>	<i>Ophlitaspongia papilla</i>	No	No	0	0	0	1	0	0	0
			Tetractinellida	Ancorinidae	<i>Stelletta</i>		Yes	Yes	0	1	0	0	0	0
						<i>Stellettinopsis megastylifera</i>	No	No	0	1	0	0	0	0
		Geodiinae	<i>Geodia</i>		Yes	Yes	0	1	0	0	0	0		
Nemertea	Anopla	Paleonemertea				No	No	0	0	0	0	0	1	0
				Lineidae			Yes	No	3	0	0	0	0	0
	Enopla	Monostilifera	Amphiporidae			Yes	No	1	0	0	0	0	0	0
		Polystilifera	Paradrepanophoridae			No	No	0	2	0	0	0	0	0
	Paleonemertea					No	No	0	0	0	0	0	1	0
Platyhelminthes	Rhabditophora	Polycladida	Cephalothricidae	<i>Cephalothrix</i>	<i>Cephalothrix filiformis</i>	No	No	0	0	0	0	0	0	1
	Trematoda	Plagiorchiida	Didymozoidae	<i>Didymozoon</i>		Yes	Yes	0	8	0	1	0	0	0
						No	No	0	0	0	0	0	0	1

Phyla	Class	Order	Family	Genus	Species	Australia [5]	Rottneest [5]	Copepod 3	Cnidaria	Crust	Mollusca	Copepod 2	Copepod 1	18S
Sipuncula	Phascolosomatidea	Phascolosomatida	Phascolosomatidae	<i>Apionsoma</i>	<i>Apionsoma</i> (<i>Apionsoma</i>) <i>misakianum</i>	Yes	No	0	0	0	0	0	0	1