

Table S5: Number of Cnidaria detections in Rottneest Island zooplankton samples by each assay.

Class	Order	Family	Genus	Species	In Australia [5]	Rottneest [5]	Copepod 3	Cnidaria	Crust	Mollusca	18S	
Anthozoa	Actinaria				Yes	Yes	3	0	0	2	1	
	Pennatulacea	Virgulariidae	<i>Stylatula</i>	<i>Stylatula elongata</i>	No	No	0	1	0	1	0	
	Scleractinia	Caryophylliidae			Yes	Yes	1	0	0	0	0	
	Zoantharia				Yes	Yes	1	1	0	3	0	
		Zoanthidae			Yes	Yes	0	1	0	1	0	
		Microzoanthidae	<i>Microzoanthus</i>		Yes	No	0	2	0	0	0	
Hydrozoa					Yes	Yes	0	1	0	0	0	
	Anthoathecata				Yes	Yes	0	9	0	0	7	
		Oceaniidae	<i>Turritopsis</i>		Yes	No	0	0	0	11	0	
		Pennariidae	<i>Pennaria</i>		Yes	Yes	0	1	0	0	0	
		Leptothecata			Yes	Yes	0	7	0	0	0	
			Campanulariidae		Yes	Yes	0	9	0	1	0	
				<i>Clytia</i>	Yes	Yes	0	1	0	4	0	
				<i>Obelia</i>	Yes	Yes	0	1	0	0	0	
			Eirenidae	<i>Eirene</i>	Yes	No	0	0	0	1	0	
			Plumulariidae		Yes	Yes	0	0	0	1	0	
			Thyroscyphidae	<i>Thyroscyphus</i>	<i>Thyroscyphus ramosus</i>	No	No	0	0	0	0	1
		Narcomedusae	Cuninidae	<i>Cunina</i>	Yes	No	0	0	0	1	0	
		Siphonophorae			Yes	Yes	0	3	0	0	2	
			Abylidae	<i>Abylopsis</i>	<i>Abylopsis eschscholtzii</i>	No	No	0	1	0	0	0
				<i>Bassia</i>	<i>Bassia bassensis</i>	No	No	0	17	0	0	0
			Agalmatidae			Yes	No	0	2	0	2	0
				<i>Athorybia</i>	<i>Athorybia rosacea</i>	No	No	0	1	0	0	0
				<i>Nanomia</i>		Yes	No	0	3	0	0	0
					<i>Nanomia bijuga</i>	No	No	2	0	0	0	1
			Cordagalmatidae	<i>Cordagalma</i>	<i>Cordagalma ordinatum</i>	No	No	0	0	0	0	1
		Diphyidae			Yes	Yes	0	2	0	0	0	
			<i>Lensia</i>		No	No	0	2	0	0	0	
				<i>Lensia campanella</i>	No	No	1	0	0	0	0	
				<i>Lensia subtiloides</i>	No	No	0	4	0	21	0	

Class	Order	Family	Genus	Species	In Australia [5]	Rottnest [5]	Copepod 3	Cnidaria	Crust	Mollusca	18S
		Sphaeronectidae	<i>Sphaeronectes</i>	<i>Sphaeronectes koellikeri</i>	No	No	0	33	0	4	0
	Trachymedusae	Geryoniidae			Yes	Yes	0	0	1	0	2
			<i>Geryonia</i>	<i>Geryonia proboscidalis</i>	Yes	No	1	0	0	0	0
			<i>Liriope</i>		Yes	No	0	2	0	0	0
				<i>Liriope tetraphylla</i>	Yes	No	27	0	0	0	0
		Rhopalonematidae	<i>Aglaura</i>	<i>Aglaura hemistoma</i>	Yes	No	0	11	0	0	0
Myxozoa	Bivalvulida	Myxidiidae			Yes	No	0	0	0	0	1
Scyphozoa	Semaestomeae	Pelagiidae	<i>Chrysaora</i>		Yes	Yes	0	1	0	1	1