

**Table S6:** Number of Echinodermata detections in Rottneest Island zooplankton samples by each assay.

Class	Order	Family	Genus	Species	In Australia [5]	Rottneest [5]	Copepod 3	Cnidaria	Crust	Mollusca	Copepod 2	18S
Asteroidea	Velatida				Yes	Yes	0	1	0	0	0	0
Crinoidea	Comatulida				Yes	Yes	0	2	0	0	0	0
		Antedonidae			Yes	Yes	0	0	0	2	0	0
Echinoidea - Echinacea					Yes	Yes	0	0	0	0	0	1
Echinodea	Camarodonta	Echinometridae	<i>Echinometra</i>	<i>Echinometra mathaei</i>	Yes	Yes	0	2	0	2	0	0
		Temnopleuridae			Yes	Yes	0	0	0	0	2	1
			<i>Temnopleurus</i>	<i>Temnopleurus michaelseni</i>	Yes	Yes	10	12	0	5	5	0
	Clypeasteroidea				Yes	Yes	0	3	0	0	0	0
	Spatangoida				Yes	Yes	0	8	0	2	0	0
		Loveniidae			Yes	Yes	0	1	0	0	0	0
Ophiuroidea	Ophiurida				Yes	Yes	0	2	0	0	0	1
		Amphiuridae	<i>Amphipholis</i>		Yes	Yes	0	0	2	0	0	0
		Ophionereididae	<i>Ophionereis</i>	<i>Ophionereis schayeri</i>	Yes	Yes	0	2	0	0	0	0