

Table 2 - List of specimens used in this study.

Specimen	Specimen ID	Source	Locality	Year collected	Collected by	Identified by	Diameter without spines	Figure in this study
<i>Eucidaris metularia</i> (Lamarck, 1816)	1969.5.1.15-40	NHM	Aldabra, Indian Ocean	1969	J.D. Taylor	Unknown	2.0 cm	2A, 3, 6A-C, 3D model
<i>Caenopedina mirabilis</i> (Döderlein, 1885)	31182	USNM	Kii Strait, Pacific Ocean	1906	Northwestern Pacific Expedition	H.L. Clark	1.5 cm	3
<i>Diadema savignyi</i> Michelin, 1845	n/a, one specimen	Aquarium store	Red Sea, Indian Ocean	2006	Seewasser Center Berlin	A. Ziegler	1.9 cm	3
<i>Salenocidaris</i> (= <i>Salenia</i>) <i>hastigera</i> (Agassiz, 1869)	5816	ZMB	Maldives, Indian Ocean	1898	Valdivia Expedition	Unknown	1.5 cm	3
<i>Arbacia lixula</i> (= var. <i>africana</i>) (Linnaeus, 1758)	1952.3.26.31-36	NHM	Ghana, Atlantic Ocean	1949	R. Bassindale	Unknown	1.8 cm	3
<i>Stomopneustes variolaris</i> (Lamarck, 1816)	E45930	USNM	Greater Sunda Islands, Indian Ocean	1963	L. Kelts	C. Ahearn	2.2 cm	3
<i>Psammechinus miliaris</i> (Müller, 1771)	n/a, several specimens	BAH	Helgoland, North Sea	2006	BAH	BAH	1.5-2.5 cm	1A-E, 2B
<i>Psammechinus miliaris</i> (Müller, 1771)	2011	ZMB	Arendal, Baltic Sea	1872	Pommerania Expedition	Unknown	1.7 cm	1F
<i>Strongylocentrotus purpuratus</i> (Stimpson, 1857)	5724	CAS	Morro Bay, Pacific Ocean	1972	J.T. Carlton et al.	J.T. Carlton et al.	2.3 cm	3
<i>Mespilia globulus</i> (Linnaeus, 1758)	5620	ZMB	Madang, Pacific Ocean	1909	S. Schöde	Unknown	1.3 cm	3
<i>Echinoneus cyclostomus</i> Leske, 1778	1969.5.1.105	NHM	Aldabra, Indian Ocean	1969	J.D. Taylor	Unknown	Length: 3.4 cm	2C, 4, 5A
<i>Echinolampas depressa</i> Gray, 1851	E32955	USNM	Florida, Gulf of Mexico	1981	Continental Shelf Associates	Continental Shelf Associates	Length: 2.8 cm	4, 5B
<i>Echinocyamus pusillus</i> (Müller, 1776)	n/a, one specimen	BAH	Helgoland, North Sea	2006	BAH	BAH	Length: 5.0 mm	2D, 4
<i>Pourtalesia wandeli</i> Mortensen, 1905	1976.7.30.76-95	NHM	300 mls S of Iceland, Atlantic Ocean	1976	Discovery Expedition	Unknown	Length: 3.3 cm	4, 5C
<i>Abatus</i> (= <i>Hemiaster</i>) <i>cavernosus</i> (Philippi, 1845)	5854	ZMB	Kerguelles, Indian Ocean	1898	Valdivia Expedition	Unknown	Length: 2.8 cm	4, 5D