

## Supplementary data

**Table 1.** Compiled list of echinoderm species for which the sterol content has been completely or partially described.

Holothuroidea			
Species	Reference	Species	Reference
<i>Benthodytes lingua</i>	[105]	<i>Trochostoma orientale</i>	[36]
<i>Stichopus tremulus</i>	[105]	<i>Bathyploetes natans</i>	[36]
<i>Mesothuria verrilli</i>	[105]	<i>Abyssocucumis abyssorum</i>	[106]
<i>Pseudostichopus trachus</i>	[36]	<i>Oneirophanta mutabilis</i>	[106]
<i>Holothuria nobilis</i>	[36]	<i>Peniagone vitrea</i>	[106]
<i>Holothuria scabra</i>	[36]	<i>Protankyra brychia</i>	[106]
<i>Holothuria atra</i>	[34]	<i>Cucumaria planci</i>	[107]
<i>Cucumaria elongata</i>	[85]	<i>Holothuria tubulosa</i>	[107,108]
<i>Cucumaria hydriani</i>	[85]	<i>Stichopus japonicus</i>	[108,109]
<i>Cucumaria lactea</i>	[110]		
<i>Stichopus regalis</i>	[107]		
Ophiuroidea			
Species	Reference	Species	Reference
<i>Ophiacantha sp.</i>	[106]	<i>Ophioplocus januarii</i>	[111]
<i>Ophiura bathybia</i>	[106]	<i>Ophionotus victoriae</i>	[111]
<i>Ophiocomina nigra</i>	[110]	<i>Ophioderma longicauda</i>	[112]
<i>Ophiura albida</i>	[85,107]	<i>Ophiocoma wendtii</i> ,	[111]

<i>Ophiocoma insularia</i>	[34]	<i>Ophiocoma echinata</i>	[111]
Echinoidea			
Species	Reference	Species	Reference
<i>Echinothrix diadema</i>	[34]	<i>Echinus acutus</i>	[113]
<i>Anthocidaris crassispina</i>	[114]	<i>Echinus esculentus</i>	[115]
<i>Astriclypeus manni</i>	[114]	<i>Paracentrotus lividus</i>	[113,116]
<i>Echinocardium cordatum</i>	[114]	<i>Psammechinus miliaris</i>	[113]
<i>Temnopleurus toreumaticus</i>	[114]	<i>Scaphechinus mirabilis</i>	[114]
Crinoidea			
Species	Reference	Species	Reference
<i>Antedon sp.</i>	[34]	<i>Comatula sp.</i>	[117]
<i>Antedon bifida</i>	[110]		
Asteroidea			
Species	Reference	Species	Reference
<i>Asterias rubens</i>	[85,94,118]	<i>Asterias amurensis</i>	[119-121]
<i>Acanthaster planci</i>	[34]	<i>Asterina pectinifera</i>	[119-121]
<i>Ctenodiscus crispatus</i>	[122]	<i>Astropecten aurantiacus</i>	[112]
<i>Culcita schmideliana</i>	[123]	<i>Astropecten irregularis</i>	[85]
<i>Distolasterias sticantha</i>	[120]	<i>Astropecten polyacanthus</i>	[119]
<i>Echinaster sepositus</i>	[112]	<i>Astropecten scoparius</i>	[119]
<i>Henricia sanguinolenta</i>	[85]	<i>Certonardoa semiregularis</i>	[120,121]

<i>Leiaster leachii</i>	[86,124]	<i>Coscinasterias acutispina</i>	[86,119]
<i>Luidia ciliaris</i>	[85]	<i>Linckia multifora</i>	[123]

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