The following supplement accompanies the article

Covering behavior of deep-water echinoids in Antarctica: possible response to predatory king crabs

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Table S1. The contribution of different covering materials (average dissimilarity [%] and the cumulative contribution to dissimilarity [%]) used by *Sterechinus* spp. across 250 m depth bins between 390 and 1500 m depth from 2 sites off the western Antarctic Peninsula.

Depth bins (m)	Average dissimilarity (%)	Type of covering material	Cumulative contribution to dissimilarity (%)
390 – 500 vs. 500 – 750	75.17	algae/bryozoan	73.97
		whole echinoid tests	87.48
		shell/echinoid-test hash	100
390 – 500 vs. 750 – 1000	74.45	algae/bryozoan	40.88
		shell/echinoid test-hash	80.95
		whole echinoid tests	100.00
390 – 500 vs. 1000 – 1250	72.16	algae/bryozoan	41.39
		shell/echinoid test-hash	81.85
		whole echinoid tests	100
390 – 500 vs. 1250 – 1500	81.11	shell/echinoid test-hash	47.03
		algae/bryozoan	85.38
		whole echinoid tests	100
500 – 750 vs. 750 – 1000	64.93	shell/echinoid test-hash	41.81
		whole echinoid tests	75.33
		algae/bryozoan	100
500 – 750 vs. 1000 – 1250	66.15	shell/echinoid test-hash	40.65
		whole echinoid tests	73.26
		algae/bryozoan	100
500 – 750 vs. 1250 – 1500	62.09	shell/echinoid test-hash	48.03
		whole echinoid tests	81.34
		algae/bryozoan	100
750 – 1000 vs. 1000 – 1250	52.75	shell/echinoid test-hash	47.46
		algae/bryozoan	82.29
		whole echinoid tests	100
750 – 1000 vs. 1250 – 1500	44.23	shell/echinoid test-hash	51.18
		algae/bryozoan	81.38
		whole echinoid tests	100
1000 – 1250 vs. 1250 – 1500	45.23	shell/echinoid test-hash	51.60
		algae/bryozoan	85.41
		whole echinoid tests	100

Table S2. The contribution of different covering materials (average dissimilarity [%] and the cumulative contribution to dissimilarity [%]) available to *Sterechinus* spp. across 250 m depth bins between 390 and 1500 m depth from 2 sites off the western Antarctic Peninsula.

Depth bins (m)	Average dissimilarity (%)	Type of covering material	Cumulative contribution to dissimilarity (%)
390 – 500 vs. 500 – 750	48.78	shell/echinoid test-hash	54.51
		whole echinoid tests	82.31
		algae/bryozoan	100
390 – 500 vs. 750 – 1000	48.73	shell/echinoid test-hash	55.41
		whole echinoid tests	83.05
		algae/bryozoan	100
390 – 500 vs. 1000 – 1250	48.43	shell/echinoid test-hash	54.09
		whole echinoid tests	82.53
		algae/bryozoan	100
390 – 500 vs. 1250 – 1500	51.46	shell/echinoid test-hash	54.09
		whole echinoid tests	82.53
		algae/bryozoan	100
500 – 750 vs. 750 – 1000	27.03	shell/echinoid test-hash	65.02
		whole echinoid tests	86.39
		algae/bryozoan	100
500 – 750 vs. 1000 – 1250	28.56	shell/echinoid test-hash	64.27
		algae/bryozoan	85.39
		whole echinoid tests	100
500 – 750 vs. 1250 – 1500	27.74	shell/echinoid test-hash	60.75
		whole echinoid tests	84.34
		algae/bryozoan	100
750 – 1000 vs. 1000 – 1250	26.59	shell/echinoid test-hash	65.03
		algae/bryozoan	84.84
		whole echinoid tests	100
750 – 1000 vs. 1250 – 1500	24.97	shell/echinoid test-hash	61.32
		whole echinoid tests	86.80
		algae/bryozoan	100
1000 – 1250 vs. 1250 – 1500	28.05	shell/echinoid test-hash	61.9
		whole echinoid tests	86.57
		algae/bryozoan	100