

SUPPLEMENTARY DATA 3—Summary of habitat types sampled and captured by brachiopod death assemblages in the Red Sea and Gulf of Aden.

Habitat	Depth (m)	Description	Region
Shallow shelf - reef (cryptic) assemblages	5.5-13	skeletal sands underneath coral colonies, formed by degraded bioclasts, decapods, foraminifers, mollusks, scleractinians, coralline red algae, and bryozoans	Red Sea - Gulf of Aqaba
Shallow shelf - soft-bottom assemblages	56-237	sandy mud with hydrozoans	Red Sea - Port Sudan
Shallow shelf - soft-bottom assemblages	71-179	coarse to muddy mollusk-rich sand, with polychaetes, crustaceans	Gulf of Aden
Deep shelf -soft-bottom assemblages	308-668	bioturbated muddy sand to sandy mud with bioclasts	Red Sea - Port Sudan
Deep shelf -soft-bottom assemblages	321-506	fine-grained sand with polychaetes, mollusks, foraminifers and crustaceans	Gulf of Aden
Basin - soft-bottom assemblages	736-941	mud with foraminifers and pteropods	Red Sea - Hurghada
Basin - mixed-bottom assemblages	1014-1448	lithified stromatolithic-thrombolithic crusts, Mn coatings, interspersed with unlithified mud with pteropods and foraminifers	Red Sea - Hurghada