

SUPPLEMENTARY DATA 1—Summary of all 51 samples with brachiopods collected in the Red Sea and the Gulf of Aden (MC = multicorer, GBC = giant box corer, DR = dredge, QBS = diver-taken sample, GTV = TV grabber) and counts of brachiopod specimens in each sample.

Sample	Sampling	Depth	Setting	Region	Sediment	Number of specimens	shells	dorsal valves	ventral valves
81	GBC	1351	Basin	Hurghada	NA	1	0	0	1
85	MC	648	Basin	Hurghada	Mud	6	2	0	4
86	MC	941	Basin	Hurghada	Mud	11	1	1	9
92	MC	1024	Basin	Hurghada	Mud	1	0	1	0
005/10	QBS	17	Shallow shelf	Dahab	Sand	5	2	3	0
005/11	QBS	13	Shallow shelf	Dahab	Sand	33	23	5	5
005/15	QBS	10	Shallow shelf	Dahab	Sand	114	49	28	37
005/16	QBS	11	Shallow shelf	Dahab	Sand	23	7	7	9
005/19	QBS	5.5	Shallow shelf	Dahab	Sand	36	15	10	11
005/2	QBS	11	Shallow shelf	Dahab	Sand	2	2	0	0
005/21	QBS	11.5	Shallow shelf	Dahab	Sand	22	12	7	3
005/25	QBS	9	Shallow shelf	Dahab	Sand	54	24	12	18
005/3	QBS	12	Shallow shelf	Dahab	Sand	36	16	12	8
005/8	QBS	13	Shallow shelf	Dahab	Sand	7	4	2	1
005/9	QBS	5	Shallow shelf	Dahab	Sand	3	0	0	3
100/2	GBC	404	Deep shelf	Port Sudan	Mud	15	0	6	9
100/3	GBC	557	Deep shelf	Port Sudan	Mud	14	2	4	8
100/5	GBC	343	Deep shelf	Port Sudan	Mud	89	7	32	50
100/6	GBC	669	Deep shelf	Port Sudan	Mud	17	3	7	7
100/7	GBC	646	Deep shelf	Port Sudan	Mud	2	0	2	0
100/8	GBC	90	Shallow shelf	Port Sudan	Mud	295	20	155	120
105/1	GBC	71	Shallow shelf	Gulf of Aden	Sand	24	9	9	6
105/2	GBC	179	Shallow shelf	Gulf of Aden	Sand	36	9	13	14
105/3	GBC	321	Deep shelf	Gulf of Aden	Mud	44	15	13	16
105/4	GBC	506	Deep shelf	Gulf of Aden	Mud	50	20	16	14
78/4	MC	1018	Basin	Hurghada	Mud	5	3	0	2
80/6	MC	1175	Basin	Hurghada	Mud	3	0	0	3
81/2b	GBC	1081	Basin	Hurghada	Hardground	36	13	6	17
81/3	DR	1294	Basin	Hurghada	Hardground	17	9	4	4
81/5	DR	1126	Basin	Hurghada	Hardground	21	2	4	15
84/1	MC	736	Basin	Hurghada	Mud	25	13	9	3
85/2	NA	702	Basin	Hurghada	Mud	4	2	0	2
87/1	DR	1448	Basin	Hurghada	Hardground	23	1	10	12
87/2	DR	1471	Basin	Hurghada	Hardground	6	6	0	0
87/3	GTV	1422	Basin	Hurghada	Hardground	14	0	8	6
91/5	DR	1466	Basin	Hurghada	Hardground	1	1	0	0
93/10	GBC	56	Shallow shelf	Port Sudan	Mud	149	38	53	58
93/4	GBC	657	Deep shelf	Port Sudan	Mud	3	3	0	0
93/6	GBC	567	Deep shelf	Port Sudan	Mud	86	7	27	52
93/8	GBC	80	Shallow shelf	Port Sudan	Sand	10	4	3	3
93/9	GBC	313	Deep shelf	Port Sudan	Mud	560	325	129	106
95/10	GBC	508	Deep shelf	Port Sudan	Mud	6	4	1	1
95/11	GBC	497	Deep shelf	Port Sudan	Mud	14	2	8	4
95/12	GBC	308	Deep shelf	Port Sudan	Sand	40	14	12	14
95/13	GBC	311	Deep shelf	Port Sudan	Sand	27	19	4	4

95/5	GBC	237	Shallow shelf	Port Sudan	NA	16	2	6	8
95/7	GBC	575	Deep shelf	Port Sudan	Mud	36	20	10	6
95/8	GBC	580	Deep shelf	Port Sudan	Mud	25	6	6	13
95/9	GBC	569	Deep shelf	Port Sudan	Mud	25	6	12	7
Aqaba1	QBS	13	Shallow shelf	Aqaba	Sand	1	1	0	0
Aqaba2	QBS	5	Shallow shelf	Aqaba	Sand	1	0	0	1
