



Supplement of

Reefal ostracod assemblages from the Zanzibar Archipelago (Tanzania)

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Table S1. A general description of the studied sites for their geographic location, water depth, and sampling date.

Location	Island	Depth (m)	Longitude	Latitude	Sampling date
Haramu Passage	Pemba	20	39.6280	-5.0946	March 2005
Haramu Passage	Pemba	30	39.6280	-5.0946	March 2005
Kokota Reef	Pemba	25	39.6472	-5.1311	March 2005
Kokota Reef	Pemba	16	39.6472	-5.1311	March 2005
Mapenduzi wall	Pemba	40	39.6026	-5.2334	March 2005
Mapenduzi wall	Pemba	42	39.6026	-5.2334	March 2005
Misali Island	Pemba	20	39.5918	-5.2456	March 2005
Ras Nungwi peak	Zanzibar	12	39.3192	-5.7225	March 2005
Ras Nungwi peak	Zanzibar	12-14	39.3192	-5.7225	March 2005
Ras Nungwi peak	Zanzibar	20	39.3192	-5.7225	March 2005
Ras Nungwi	Zanzibar	16	39.3425	-5.7481	March 2005
Ras Nungwi	Zanzibar	20	39.3425	-5.7481	March 2005
Mnemba Atoll	Zanzibar	30	39.3939	-5.8489	March 2005
Ocean Paradise	Zanzibar	3	39.3642	-5.9183	March 2005
Bawe Island	Zanzibar	9-30	39.1408	-6.135	March 2005
Bawe Island	Zanzibar	9-30	39.1408	-6.135	March 2005
Stone Town	Zanzibar	12	39.1474	-6.2137	March 2005
Stone Town	Zanzibar	20	39.1474	-6.2137	March 2005
Menai Bay	Zanzibar	1	39.3719	-6.3236	March 2005
Kizimkazi Beach	Zanzibar	1	39.46	-6.4381	March 2005
Mafia outside	Mafia	21	39.828	-7.9179	March 2012
Mafia outside	Mafia	20	39.8224	-7.9221	March 2012
Chole Bay 1	Mafia	18-21	39.8173	-7.9414	March 2012
Chole Bay 2	Mafia	15-18	39.7871	-7.9483	March 2012
Chole Bay 2	Mafia	20	39.786	-7.9491	March 2012
Mafia Lodge	Mafia	0-3	39.7479	-7.9734	March 2012

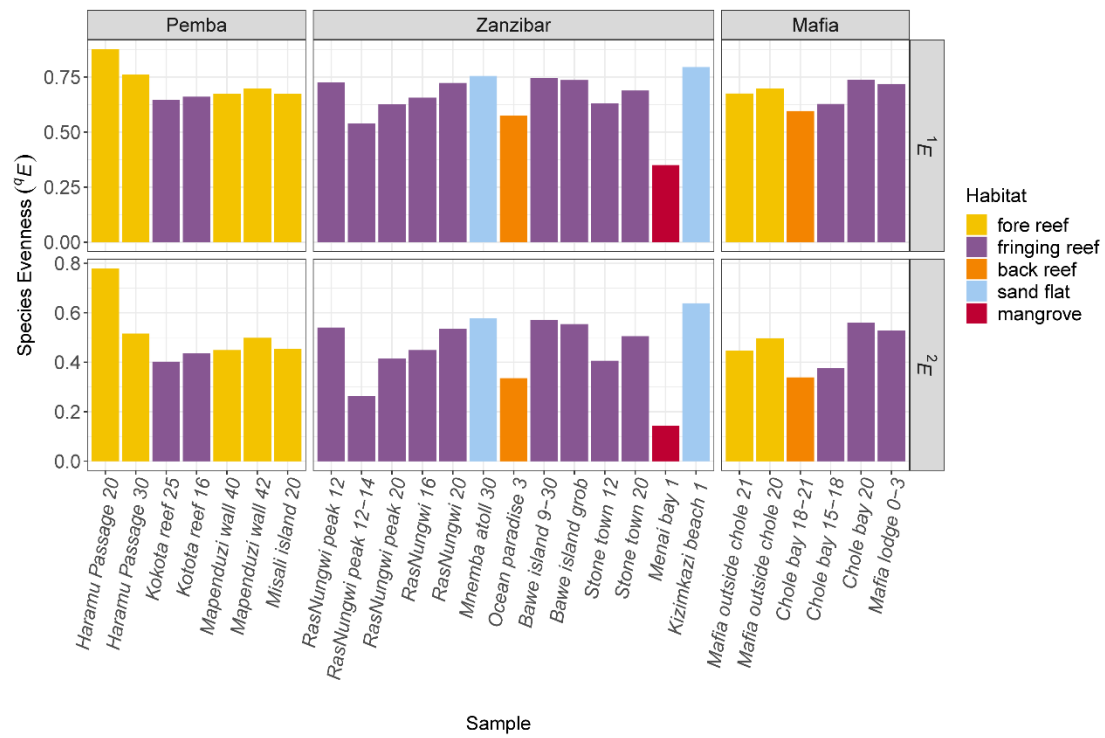


Fig. S1. Evenness as the normalized slope of Hill number profile for order $q=1$ (top) and order $q=2$ (bottom) based on 82.5% sample coverage. Color scheme shows habitat type.

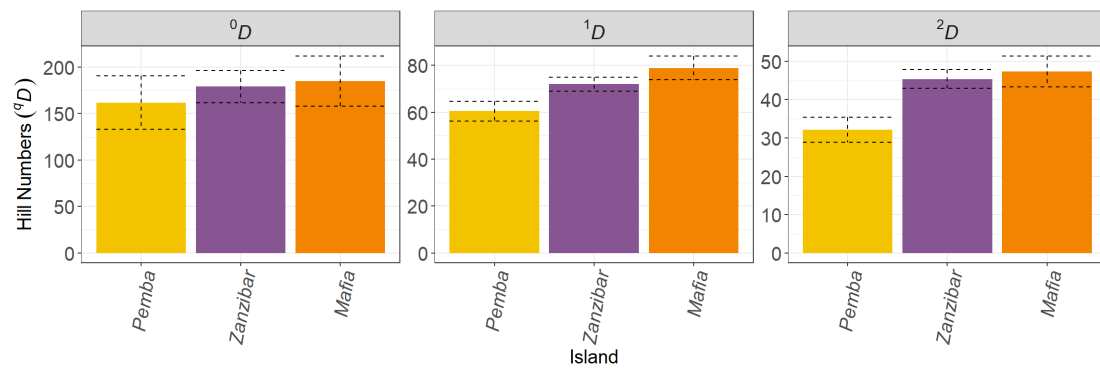


Fig. S2. Gamma diversity of each island shown by Hill numbers 0D , 1D and 2D based on 98.6% sample coverage.

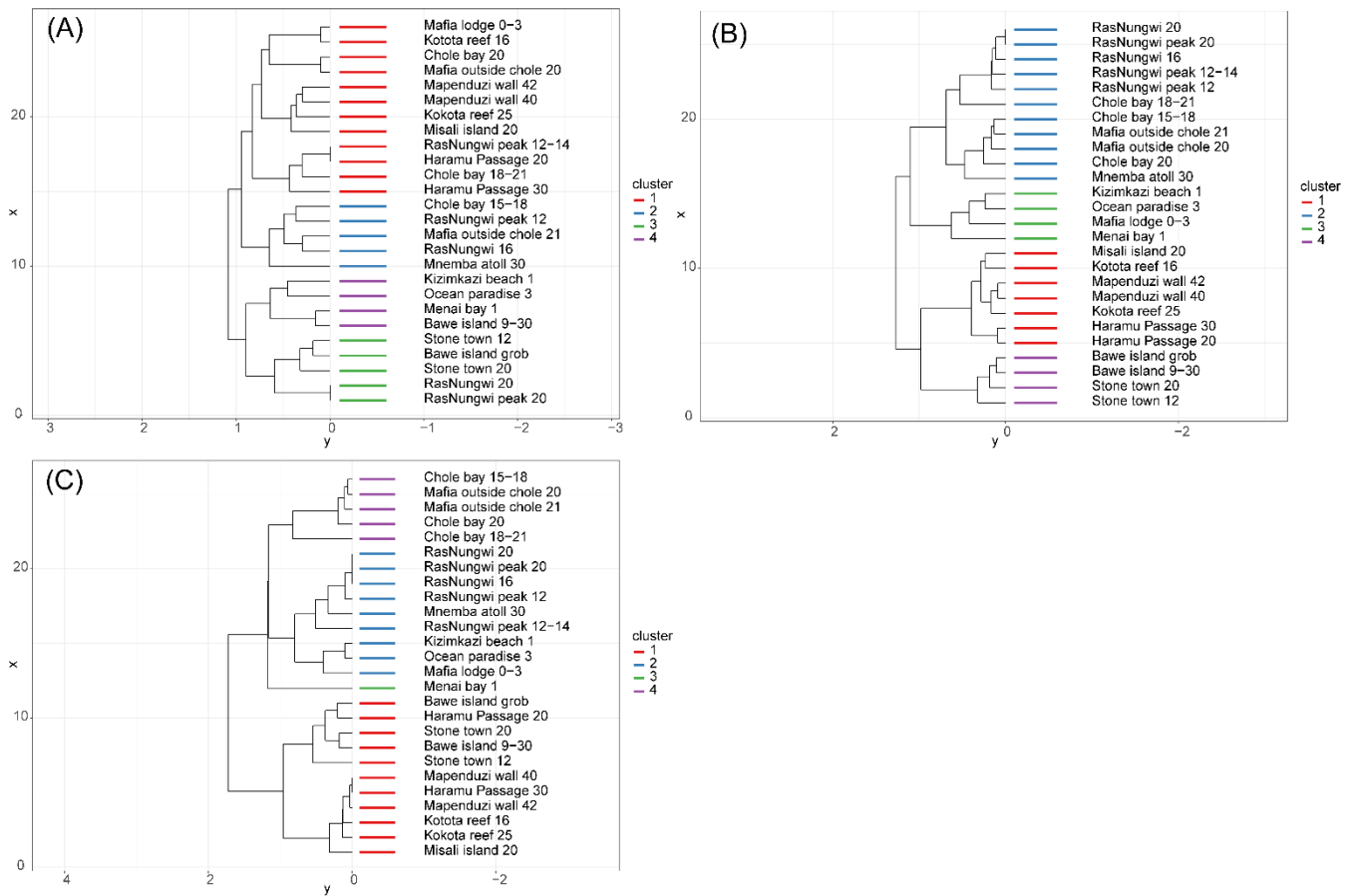


Fig. S3. Ward's minimum variance cluster dendrograms showing the separation of four biofacies based on (A) Sørensen, (B) Horn, and (C) Morisita-Horn dissimilarities. Note that the color schemes are independent among panels; thus, the biofacies based on different dissimilarities are not necessarily related.

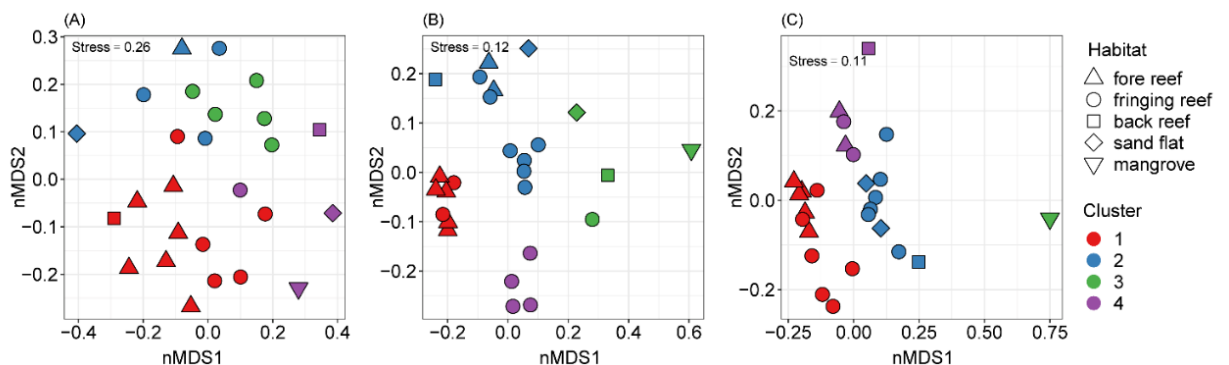


Fig. S4. nMDS ordinations showing biofacies based on (A) Sørensen, (B) Horn, and (C) Morisita-Horn dissimilarities and Ward's minimum variance cluster analysis. Cluster and habitat are represented by color and shape as in the legends, respectively. Note that the color schemes are independent among panels; thus, the biofacies based on different

dissimilarities are not necessarily related.