

Supplementary material

Table S1. Autocorrelation values (Moran's I) for arthropod species from mangrove pneumatophores at seven spatial scales. Bonferroni-corrected overall significance values (α) are given for each correlogram. Significance: * $p < 0.050$; *** $p < 0.001$. The species are arranged in decreasing order of abundance, and species present in only one sample were excluded (total number of samples: 128).

Species	Total abundance	Samples present	10 cm	1 m	10 m	100 m	1 km	10 km	100 km	α
Common										
<i>Tanais philetaerus</i>	9362	81	0.95***	0.88***	0.79***	0.74***	0.27***	-0.53***	-0.01	0.001
<i>Copidognathus caloglossae</i>	1139	18	0.98***	0.87***	0.90***	0.11***	0.14***	-0.11***	-0.11***	0.001
<i>Balanus amphitrite</i>	772	45	0.87***	0.83***	0.20***	0.46***	-0.02	-0.24***	-0.01	0.001
<i>Leioseius</i> sp.	244	56	0.53***	0.59***	0.39***	0.03	0.22***	-0.14***	-0.05***	0.001
<i>Acarothrix umgenica</i>	144	22	0.70***	0.55***	0.11*	-0.01	0.10***	-0.04*	-0.05***	0.001
Rare										
<i>Thyreophagus</i> sp.	74	9	0.33***	0.46***	0.30***	-0.03	0.11***	-0.05***	-0.05***	0.001
<i>Melita zeylanica</i>	57	10	0.11	0.38***	-0.01	0.03	-0.06*	-0.02	-0.01	0.001
<i>Agauopsis</i> sp.	33	4	0.65***	0.41***	-0.03	0.14***	-0.03	-0.03	-0.03***	0.001
Tarsonemidae sp.	30	4	0.13*	0.22***	-0.02	-0.02	-0.02	-0.02	-0.01	0.001
<i>Urobovella</i> sp.	25	9	0.75***	0.69***	0.74***	-0.07	-0.07*	-0.04*	-0.05***	0.001
Tydeidae sp.	16	7	-0.04	0.14*	0.08*	-0.03	0.03*	-0.02	-0.02	0.002
<i>Pontiobates</i> sp.	16	4	-0.02	0.08*	0.03	-0.02	0.01	-0.01	-0.01	0.103
Spheromatidae sp.	9	4	0.63***	-0.03	-0.03	0.01	0.08***	-0.03	-0.03***	0.001
<i>Anurida maritima</i>	4	3	0.70***	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	0.001