

Source	<i>F</i> value	<i>P</i>	Pairwise significance	Transformation
M1	12.221	< 0.001*	0–5, 1–5, 2–5	Fourth root
M2	7.013	0.002*	0–1, 0–2, 0–5	
M3	3.05	0.054		
M4	2.284	0.112		
Surficial modifiers	6.087	0.004*	0–1, 0–2, 0–5	
Biodiffusors	4.336	0.017*	0–5	
Upward conveyors	10.112	< 0.001*	0–1, 0–2, 0–5	
Downward conveyors	24.371	< 0.001*	0–5, 1–5, 2–5	Fourth root
Polychaeta				
<i>Aphelochaeta marioni</i>	4.648	0.013*	0–1, 0–5	
<i>Eteone longa</i>	1.103	0.372		
<i>Hediste diversicolor</i>	2.284	0.112		
<i>Heteromastus filiformis</i>	1.154	0.353		
<i>Polydora cornuta</i>	7.254	0.002*	0–2, 0–5, 1–5	Fourth root
<i>Pygospio elegans</i>	5.155	0.009*	0–5, 2–5	Fourth root
<i>Spio</i> sp.	1	0.414		
<i>Streblospio benedicti</i>	1.879	0.167		
Oligochaeta spp.	3.873	0.026*	<i>None</i>	
Bivalvia				
<i>Cerastoderma edule</i>	1.583	0.226		
<i>Limecola balthica</i>	1.939	0.158		
<i>Scrobicularia plana</i>	5.337	0.008*	0–2, 0–5	
Gastropoda				
<i>Peringia ulvae</i>	0.329	0.804		
Crustacea				
<i>Bathyporeia pilosa</i>	0.704	0.561		
<i>Cyathura carinata</i>	1.055	0.391		
D_b^{NL}	4.826	0.012*	0–1, 1–2, 1–5	Fourth root
<i>Q</i>	4.177	0.020*	1–5	
SCOC	3.358	0.041*	0–5	
DOU	2.178	0.124		
FU	0.869	0.475		
Total density	8.346	0.001*	0–1, 0–2, 0–5	
<i>H'</i>	4.983	0.010*	1–5	
<i>J'</i>	2.594	0.083		
Species richness	6.697	0.003*	0–5, 1–5, 2–5	