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Supplement of

Influence of oxygen minimum zone on macrobenthic community structure in the northern Benguela Upwelling System: a macro-nematode perspective

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Table S1: Summary of Stepwise regression analysis results of abiotic factors with a significant influence on macrobenthic diversity indices

Stepwise regression result summary	
Diversity Index	**Predictors (feedback)**
H' diversity	None (No variables were enetered into the equation)
Richness	DO
Dominance	None (No variables were enetered into the equation)
oneminusD	None (No variables were enetered into the equation)
evenness	None (No variables were enetered into the equation)
margalef	TOM
Berger_Parker	None (No variables were enetered into the equation)
Equitability_J	None (No variables were enetered into the equation)
Fisher_alpha	None (No variables were enetered into the equation)
Brillouin	None (No variables were enetered into the equation)
Menhinick	Very Coarse Sand

Table S2(a): Model Summary for Stepwise regression analysis of abiotic predictors of species richness in the Benguela upwelling system.

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.722[a]	.521	.467	1.92590

a. Predictors: (Constant), DO

Table S2(b): ANOVA results for stepwise regression analysis of the predictor of macrobenthic species richness in the Benguela Upwelling system.

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	36.254	1	36.254	9.774	.012[b]
	Residual	33.382	9	3.709		
	Total	69.636	10			

a. Dependent Variable: Richness

b. Predictors: (Constant), DO

Table S3(a): Model Summary for Stepwise regression analysis of abiotic predictors of Margalef Index in the Benguela upwelling system.

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.610[a]	.372	.302	.7403625

a. Predictors: (Constant), TOM

Table S3(b): ANOVA results for stepwise regression analysis of the predictor of Margalef Index richness in the Benguela Upwelling system

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	2.919	1	2.919	5.324	.046[b]
	Residual	4.933	9	.548		
	Total	7.852	10			

a. Dependent Variable: margalef

b. Predictors: (Constant), TOM

Table S4(a): Model Summary for Stepwise regression analysis of abiotic predictors of Menhinick in the Benguela upwelling system.

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.627[a]	.393	.325	.52573

a. Predictors: (Constant), V_Coarse_Sand

Table S4(b): ANOVA results for stepwise regression analysis of the predictor of Menhinick in the Benguela Upwelling system

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	1.610	1	1.610	5.825	.039[b]
	Residual	2.488	9	.276		
	Total	4.098	10			

a. Dependent Variable: Menhinick

b. Predictors: (Constant), V_Coarse_Sand