

Supplementary Information

Table S1. Percentage of toxins according to the depth.

Depth (m)	p-PLTX (%)	OVTX-a (%)	OVTX-b (%)	OVTX-c (%)	OVTX-d (%)	OVTX-e (%)	OVTX-f (%)
0,5	13	48	13	8	5	12	0
1	17	37	17	11	2	16	0
3	15	38	14	12	4	16	0

Table S2. Summary of total PLTX-group toxins concentrations found on different contaminated marine organisms. Sea urchins diameters without spines and sea-breams total length were indicated in brackets.

Marine Organisms Number of Organisms Sampled	Sea Urchins (<i>Paracentrotus Lividus</i>) $n = 10$ (Diameter without Spines from 4 and 5 cm)	Sea Breams (<i>Sarpa Salpa</i>) $n = 21$ (Total Length from 7.1 and 9.8 cm)
Number of Organisms Contaminated	9	6
	231 (4.5)	54 (7.8)
	213 (4)	85 (7.9)
	309 (4)	33 (7.7)
Total PLTX-eq in whole Flesh of Contaminated Organism ($\mu\text{g}/\text{kg}$)	205 (4)	152 (7.1)
(Size of Organisms cm)	103 (5)	19 (9.8)
	191 (4.5)	54 (9.2)
	423 (4.5)	
	215 (4.5)	
	121 (4)	

Figure S1. Nonlinear regression of *Ostreopsis cf. ovata* in function of depth.

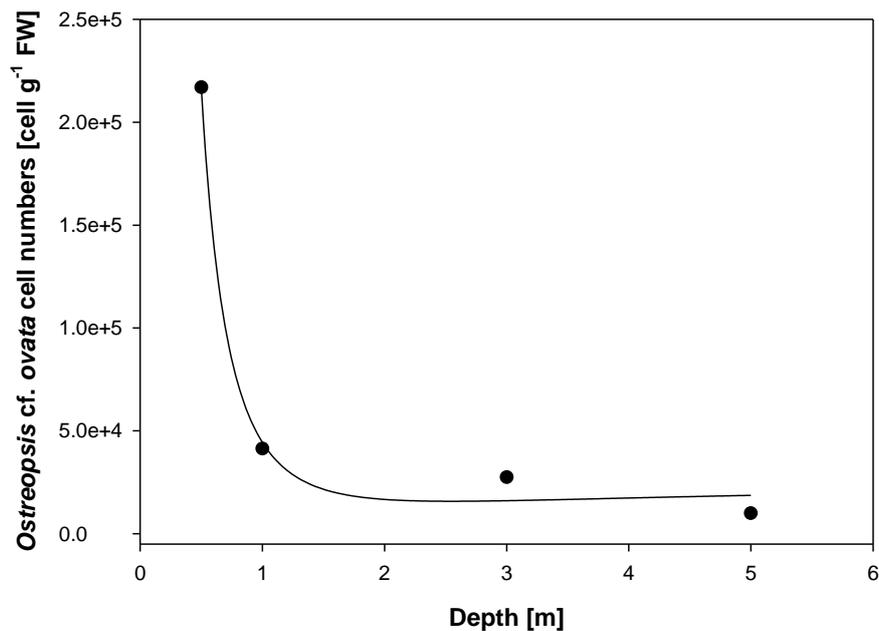


Figure S1. Cont.

Nonlinear Regression

Data Source: Data 1 in Notebook1
 Equation: Polynomial, Inverse Second Order
 $f = y_0 + (a/x) + (b/x^2)$

R	Rsq	Adj Rsq	Standard Error of Estimate	
0.9961	0.9923	0.9768	14672.6894	
	Coefficient	Std. Error	t	P
y0	27751.8472	19006.5881	1.4601	0.3823
a	-60949.3960	50731.9512	-1.2014	0.4419
b	77646.7708	22434.7535	3.4610	0.1791

Analysis of Variance:

	DF	SS	MS	
Regression	3	49428568586.8602	16476189528.9534	
Residual	1	215287813.1398	215287813.1398	
Total	4	49643856400.0000	12410964100.0000	

Corrected for the mean of the observations:

	DF	SS	MS	F	P	
Regression	2	27580772486.8602	13790386243.4301	64.0556	0.0880	
Residual	1	215287813.1398	215287813.1398			
Total	3	27796060300.0000	9265353433.3333			

Statistical Tests:

Normality Test (Shapiro-Wilk) Passed (P = 0.8162)

W Statistic= 0.9659 Significance Level = 0.0500

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