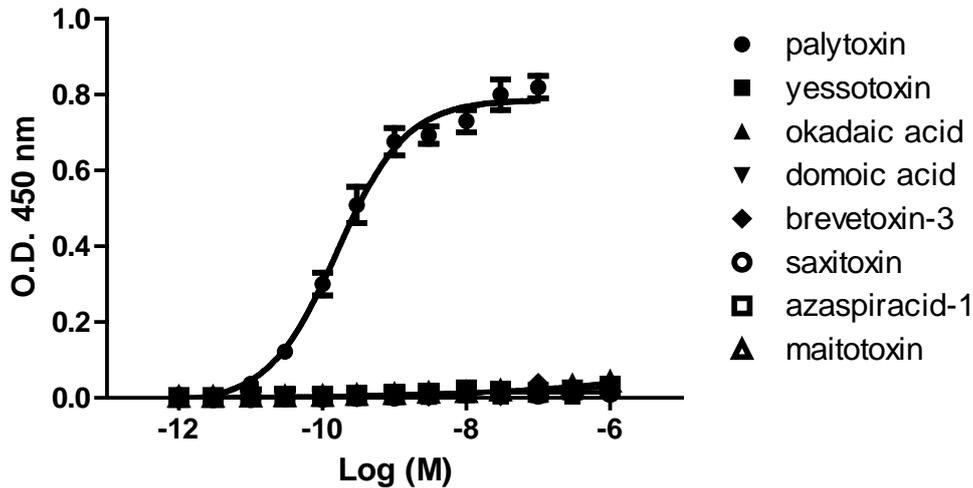
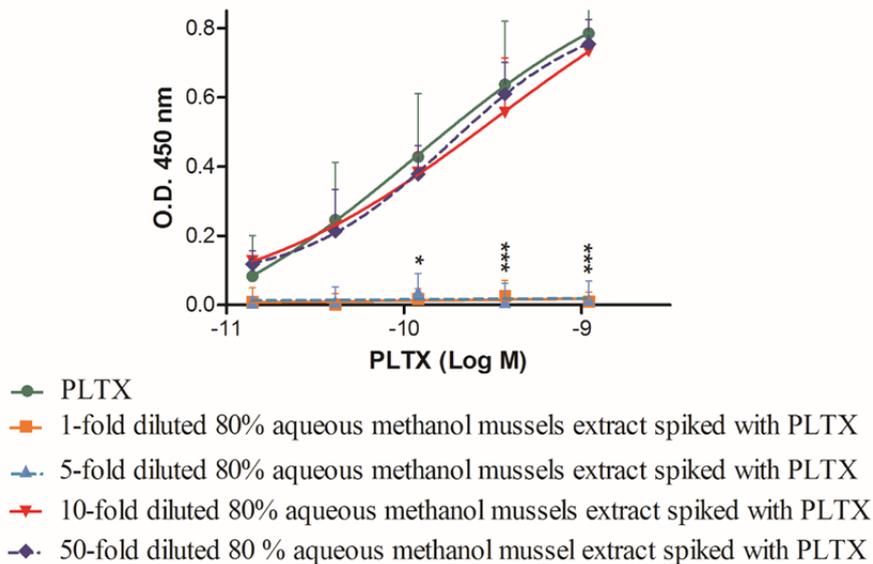


# Supplementary Materials: A Novel Sensitive Cell-Based Immunoenzymatic Assay for Palytoxin Quantitation in Mussels

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**Figure S1.** Cross-reactivity of the cell-based ELISA with other marine toxins. Yessotoxin, okadaic acid, domoic acid, brevetoxin-3, saxitoxin, azaspiracid-1, and maitotoxin were analyzed by the cell-based ELISA at concentrations ranging from  $1 \times 10^{-12}$  M to  $1 \times 10^{-6}$  M. Each point represents mean  $\pm$  SE of three independent experiments.



**Figure S2.** Evaluation of mussel matrix effect on the cell-based ELISA. Comparison between PLTX calibration curve without matrix and 1-fold, 5-fold, 10-fold, and 50-fold diluted 80% aqueous methanol mussel extract spiked with PLTX. Each point represents mean  $\pm$  SE of three independent experiments. Statistical differences: \*  $p < 0.05$ ; \*\*\*  $p < 0.001$  as compared to PLTX (two-way ANOVA and Bonferroni post test).