

Supplementary Materials: Label-free direct detection of saxitoxin based on a localized surface plasmon resonance aptasensor

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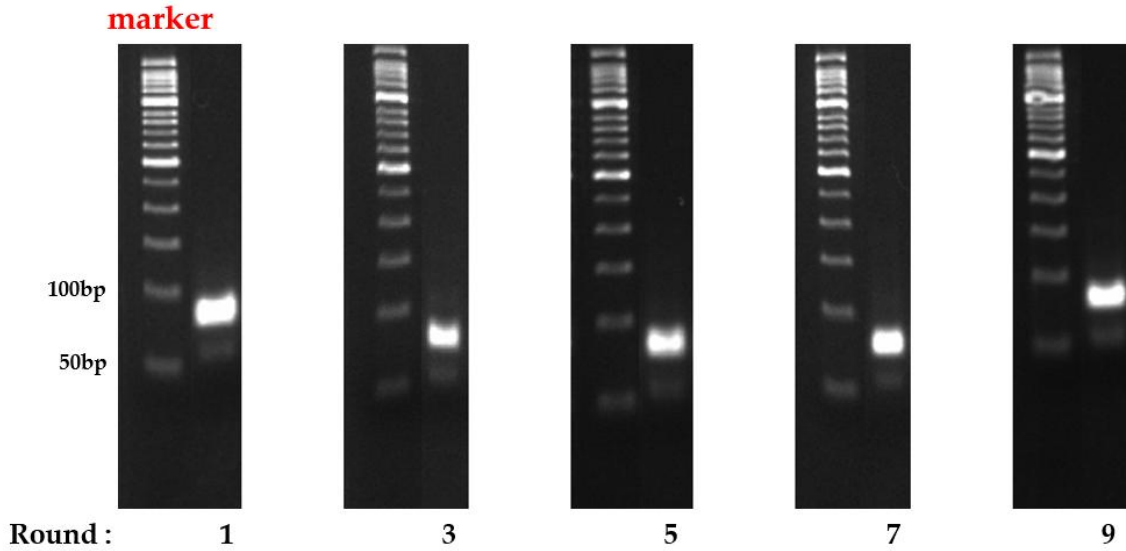


Figure S1. Agarose gel images of the GO-SELEX rounds (76mer = random sequence library size).

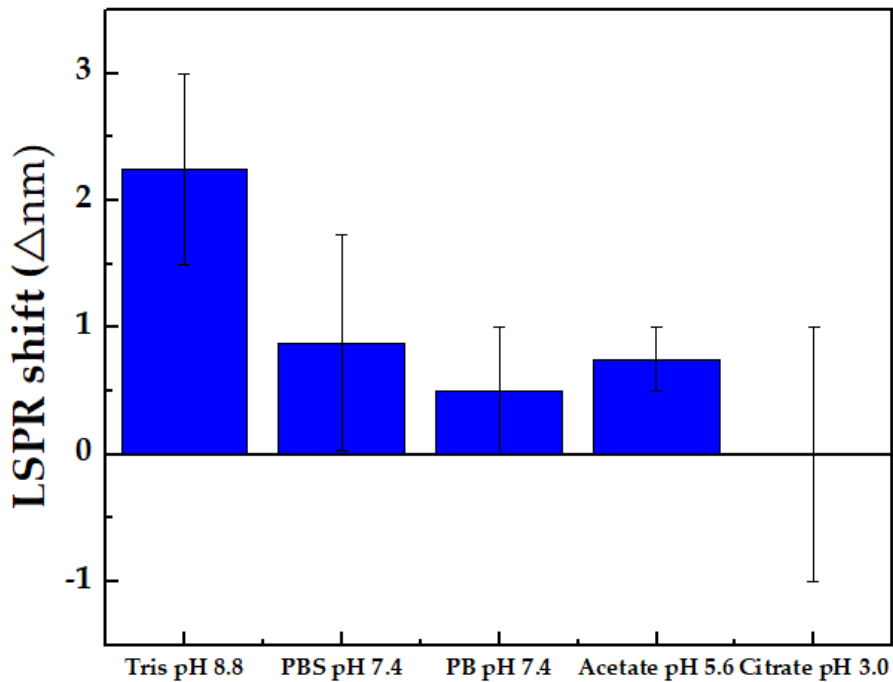


Figure S2. Comparison of non-specific absorption to LSPR chip fixed with only poly T₃ spacers (n = 3).

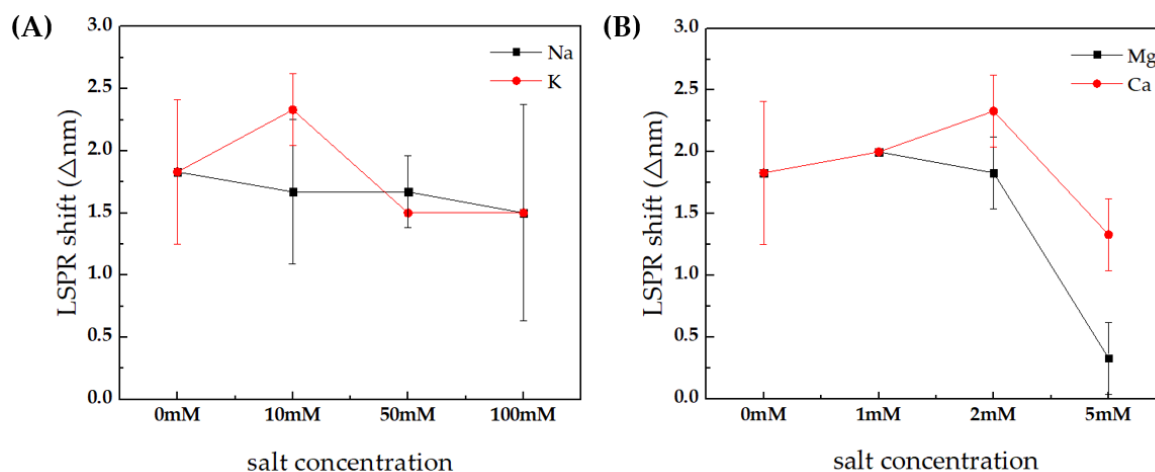


Figure S3. Comparison of the effect of salts used in the working buffer. (A) The LSPR shift of the monovalent cations. (B) The LSPR shift of the divalent cations. (n = 3).

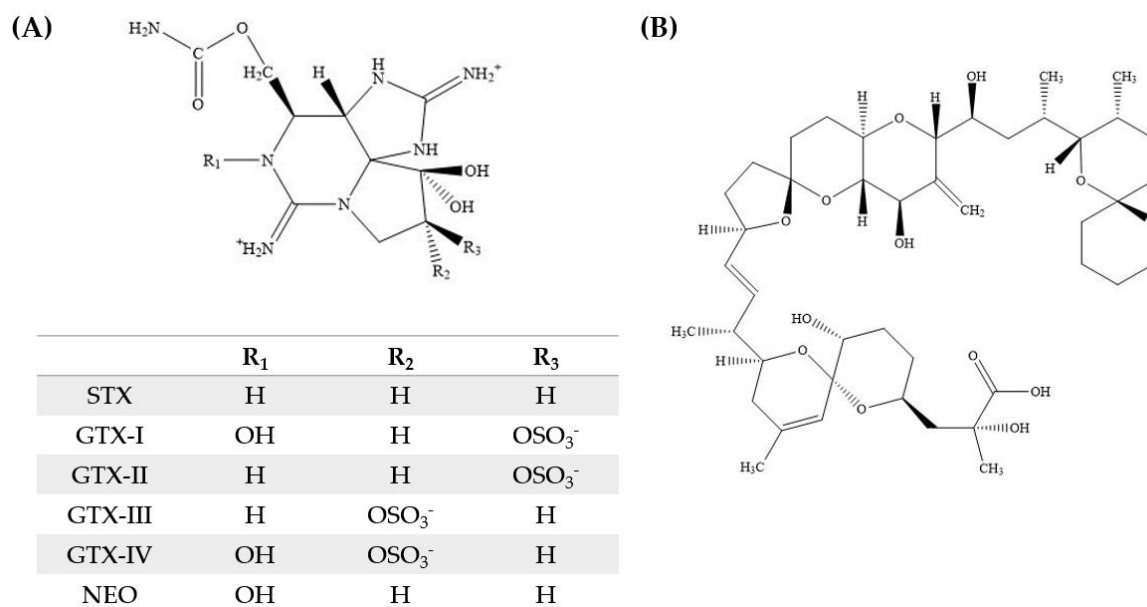


Figure S4. Chemical structure of STX analogs. (A) GTX complex and neoSTX. (B) Okadaic acid.

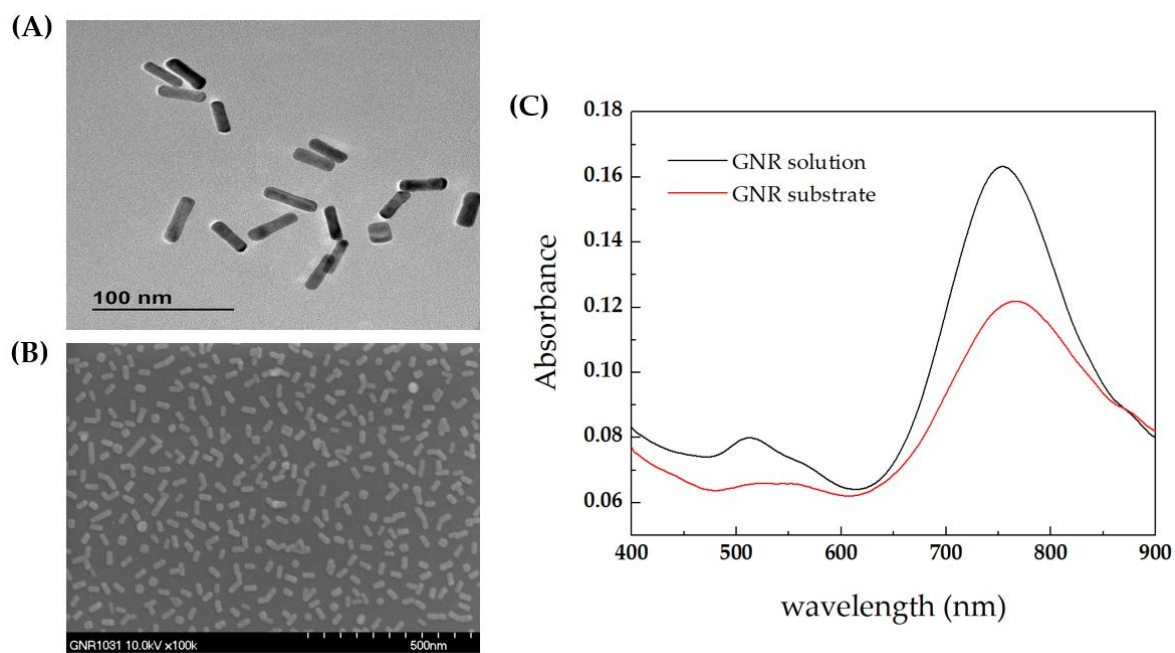


Figure S5. (A) TEM image of the synthesized GNR solution. (B) SEM image of the GNR chip. (C) Absorption spectra of GNR solution (black) and GNR immobilized on the chip (red).