

Article

Docking Simulation and Sandwich Assay for Aptamer-Based Botulinum Neurotoxin Type C Detection

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[Supporting Information]

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Supplementary Table S1. List of sequences of aptamer candidates isolated for BoNT/C and assessment of their binding affinity by SPR assay

Name	Aptamer sequence (N40)	Affinity (K _D , M)	Size (bp)
BoNT/C 1	GGGTGGTGGTACCTACCTTGAGCGAGTCGAGATCACGCTG	9.98 × 10 ⁻⁹	40
BoNT/C 2	GCGGGGTTTGTGCCATCCTGTGCCATTGAATGTTGGGGCG	8.05 × 10 ⁻⁹	40
BoNT/C 3	GCCGCGTCGGTGGCGATTGTGTATGCGGTTGTCCCCGGGG	1.08 × 10 ⁻⁸	40
BoNT/C 4	TGGTGAGTATAACCCTAGAGGCTTCGGCTTTGAGTCGGGG	1.37 × 10 ⁻⁸	40
BoNT/C 5	GGTAAGCTGTCTCGTGGGTCGTGTTAGGGGCGCGTCTCGG	2.17 × 10 ⁻⁸	40
BoNT/C 6	GCGTGGTGGCGAAGTTTAGTATATCGTATCTTGCCTAGGG	7.30 × 10 ⁻⁹	40
BoNT/C 7	CAGCGGCCCTACAGTGCCTATTGATGGCCTTTCTGCTGGG	3.93 × 10 ⁻⁸	40
BoNT/C 8	CCTTAGTGCAGTACGTGACTATTGTTGAATATGCGCTGGG	4.28 × 10 ⁻⁸	40
BoNT/C 9	CCGGTATCACACTGTTGGAAGGGGCGTATTTACTCTCGGCA	3.96 × 10 ⁻⁸	41
BoNT/C 10	GCAAAGGTTTTGAATAACCGCTGAGCTCTCCCGTTCTGCG	1.55 × 10 ⁻⁹	40
BoNT/C 11	GGCGTATCTCCTCACCTATGTCAGTCGTGTTGCCGGTTTCG	2.39 × 10 ⁻⁸	40
BoNT/C 12	TGGTGGTCAGTGAGTGGTCCGGTCTCTGCATCTCTGTGTG	4.20 × 10 ⁻⁹	40
BoNT/C 13	CGGATGCGGGTAATTGAATTAGTACGGTCTGCCCCCTTGTG	1.06 × 10 ⁻⁸	40
BoNT/C 14	GGATCTGCTGTGTACCTCGCTGCTCGACTGGACTAGTCCG	6.89 × 10 ⁻¹⁰	40
BoNT/C 15	CGGATGCGGGTAATTGAATTAGTACGGTTTGCCCCCTTGTG	3.16 × 10 ⁻⁸	40