Supplementary Data

Review

Aptamer-based biosensors for bacterial detection

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**Summary**

**Table 1.** Sequence of aptamers used for bacterial detection

**Table 1. Sequences of** aptamer used in biosensors for bacterial detection.

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| **Bacteria** | **Aptamer** | **Sequence** | **Ref** |
| *S. aureus* | SA20SA23SA34SA31SA43 | GCGCCCTCTCACGTGGCATCAGAGTGCCGGAAGTTCTGCGTTATGGGCTGGCCAGATCAGACCCCGGATGATCATCCTTGTGAGAACCACACAGTCACTCAGACGGCCGCTATTGTTGCCAGATTGCCTTTGGCTCCCACGATCTCATTAGTCTGTGGATAAGCGTGGGACGTCTATGATCGGCACGTTCTCAGTAGCGCTCGCTGGTCATCCCACAGCTACGTC | [59] |
| *S. aureus* | T1T2T3A14 | ACTGTCrGrCrGrCrArCrGrCrGrUrGrUrGrUrArGrUrArCrArCrArCrGrArUrCrGrCrGrCrGrCrArCrArArUrArUACTGTCrArArUrUrUrGrArArUrArUrArUrUrArGrUrGrCrGrCrGrCrCrGrUrArGrUrGrUrGrUrArArArArArUrUACTGTCrArArUrUrUrGrArGrUrGrUrGrUrGrArUrCrArUrArUrArUrCrGrUrArGrCrGrCrGrCrUrArCrArArCrCACTGTCCACACCGCAGCAGTGGGAACGTTTCAGCCATGCAAGCATCACGCCCGT | [44] |
| *S. aureus* | H1 | GCAATGGTACGGTACTTCCTCGGCACGTTCTCAGTAGCGCTCGCTGGTCATCCCACAGCTACGTCAAAAGTGCACGCTACTTTGCTAA | [121] |
| *S. aureus* | H1H2cApt | GCAATGGTACGGTACCCCTATGCGCATGTACCATTGCAGTTGTCAGAGAGCGAGGTACA/Dabcyl/TGCGCATAGGGGTACCGTACCATACCCCTATGCGCA/FAM/GTACCGTACCATTGCTAGCGTCTTCCCGTCCTT | [122] |
| *S. aureus* | Apt1Apt2 | TCCCTACGGCGCTAACCCCCCCAGTCCGTCCTCCCA GCCTCACACCGCCACCGTGCTACAACTCCCTACGGCGCTAACCTCCCAACCGCTCCACCCTGCCTCCGCCTCGCCACCGTGCTACAAC | [123], [124] |
| *S. aureus* | SH-Apt2  | GCAATGGTACGGTACTTCCTCGGCACGTTCTCAGTAGCGCTCGCTGGTCATCCCACAGCTACGTCAAAAGTGCACGCTACTTTGCTAA | [55], [125] |
| *S. aureus* | APTseb1 | GGTATTGAGGGTCGCATCCACTGGTCGTTGTTGTCTGTTGTCTGTTATGTTGTTTCGTGATGGCTCTAACTCTCCTCT | [126] |
| *S. aureus* | G1#2#18 | UCCGAACAGCGGAAGGUGGUUCGAAGUUGGGGCUUUGGAGGGAGUUUUGAUACGGCUUCAUGCAGUAAUGUUUUUAUUCCGAACAGCGGAAGGUGGUUCGAAGUUGGGGCUUUGGA | [47] |
| *S. aureus* | AT-27AT-33AT-36AT-49 | ACCCCTGCAGGATCCTTTGCTGGTACC-(N42)-AGTATCGCTAATCAGTCTAGAGGGCCCCAGAAT | [127] |
| *S. aureus* | H1 | GCAATGGTACGGTACTTCCTCGGCACGTTCTCAGTAGCGCTCGCTGGTCATCCCACAGCTACGTCAAAAGTGCACGCTACTTTGCTAA | [128] |
| *S. aureus* | Antibac1Antibac2 | GGGACAGGGAGTGCGCTGCTCCCCGGGGACTAGAGGACTTGTGCGGCC | [48], [129] |
| *E. coli* | SH-Apt1 | GCAATGGTACGGTACTTCCCCATGAGTGTTGTGAAATGTTGGGACACTAGGTGGCATAGAGCCGCAAAAGTGCAGCTACTTTGCTAA | [55], [123] |
| *E. coli* | / | ATCCGTCACACCTGCTCTATCAAATGTGCAGATATCAAGACGATTTGTACAAGATGGTGTTGGCTCCCGTAT | [130] |
| *E. coli* | GN6GN12 | ATACCAGCTTATTCAATTGGGTGAGGGGGGGTTCACAACGTTAAAGATAGACGGGGGAAGATAGTAAGTGCAATCT | [131] |
| *E. coli* | 6-38-18-78-88-128-138-198-35 | UGGUUUCAGCGACAGGAGGGGUGUAGGUGGAUUGCUGUCCUUUGCGUGUUGCUAGUGUUGUAUGCACGUGGAGGAGGAGGCGUACACUUGCUUUGUGGUGAUUGACCGUAUGGAGGAUGCAAAGGGAGGGAGGUCACUUGAGUUAGUUAGCAGGAUGUGGAGGAGGCAUCUGCUGCAAUCGGGACUUGUGUCGAGUAUCGCAUUGUCUGCGUGUGGAGGCAGGAGGCAAGAUAAGAGGUGAUGCGGUUGCAUGUUGGCGAUACGUCUAAACGGUGGGUUGUGGAGGAUUGAUUUAUACGAGUAGUGUCAGCGUGUGGUGGAGGUUGGCGACAUAUGUAGGGUGCGAUUGUGCGCAAUACACGGUGAGGAGGUGGAGAGAUGUAGGUGCUUAGCAGUUGA | [132] |
| *E. coli* | ECA IECA II | GTCTGCGAGCGGGGCGCGGGCCCGGCGGGGGATGCGCACGGCGCTCCCAACAGGCCTCTCCTTACGGCATATTA | [133], [134] |
| *E. coli* | / | GCAATGGTACGGTACTTCCCCATGAGTGTTGTGAAATGTTGGGACACTAGGTGGCATAGAGCCGCAAAAGTGCACGCTACTTTGCTAA | [135] |
| *E. coli* | Stx1stx2 | ATCCAGAGTGACGCAGCAGTAGTTTGTTGGTTATTACGGCGGGTTGCGATGGGTGCGAATCGGTGGACACGGTGGCTTAGTATCCAGAGTGACGCAGCAGGAAAGGACGTCAAATTAGGGGCCGGGACAACGAAAGCCCACAACTGGACGGTGGCTTAGT | [136] |
| *P. aeroginosa* | F23 | CCCCCGTTGCTTTCGCTTTTCCTTTCGCTTTTGTTCGTTTCGTCCCTGCTTCCTTTCTTG | [137] |
| *B. cereus* | / | AGCAGCACAGAGGTCAGATGCCCCCCTTTTATCCGTCGGCATGATGTCTCCCGATCCGGTCCTATGCGTGCTA | [138][139] |
| *B. cereus* | B15 B16 | AGCAGCACAGAGGTCAGATGGGCGGGTTTGGATCTTTGGTTGGCGCCTGTTTCTTTATGACCTATGCGTGCTACCGTGAAAGCAGCACAGAGGTCAGATGATATGTTTACGCCAGTGGTATTATTGGGGTTGATATGTCACCTATGCGTGCTACCGTGAA | [89] |
| *B. cereus* | 13-1813-24 | AGCACAGAGGTCAGATGGGCTACTGGAGCATCTGGTAACGAAGTACCCTCGGGGCGGAGCACAGAGGTCAGATGATCGAGGGCGCAGACCGAACCCGCGTGCGCAGTACAAGGGC | [140] |
| *Acinetobacter baumannii* | AB | AATCAGGCTCAGCATGGAGTTGCGAGGCCAATATCCGGTTAAGCG | [141][142] |
| *Acinetobacterer baumanni* | K2 | ACAGCACCACAGACCACATATCACATGCTGTCGCCTTGCGATATCAATTCCAGTGATGTTTGTCTTCCTGCC | [141] |
| *Leptospira interrogans* | LAP3 | TGGCGTTAGAGATACCGGAACCGGTGTCGGGCGTCTGAAGAATCC | [143] |
| *Bacillus cytotoxicus* | BAS6R | ATCCGTCACACCTGCTCTGCACGGGCTCAGTTTGGCTTTGTATCCTAAGAGGATGGTGTTGGCTCCCGTAT | [29] |
| *Vibrio cholerae* | CT916 | GGCAAAAAGGATTGCCCAGGTCTGCTGTCTAGCCGGATTC | [43] |
| *Clostridium difficile* | / | TAGTGATGCCTTTGTTGAGA-[N40]-TCTTCATCGTCCACTAAATT | [146] |
| *S. typhimurium* | H2 | TATGGCGGCGTCACCCGACGGGGACTTGACATTATGACAG | [128] |
| *S. Typhimurium* | Apt S.T | TGGCTAGCTCAGTCATATGGCGGCGTCACCCGACGGGGACTTGACATTATGACAGCCGCG | [147] |
| *Vibrio parahaemolyticus* | Apt VP | TGGCTAGCTCAGTCATCTAAAAATGGGCAAAGAAACAGTGACTCGTTGAGATACTCCGCG | [147] |