**Table S7.** Primers used for constructing plasmids for antiholin activity test

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| --- | --- | --- | --- |
| **Vector** | **Primer** | | **Sequence (5′ to 3′)** |
| pETDuet-1 | Endolysin | Forward | ATAGGATCCATGGCACTTCAACCTCGTGGTATTCGTAAT |
| Reverse | ATAGTCGACTCCCTCCAATAAAAAGGGGCTGACGCC |
| Holin | Forward | ATATCTAGATTCAACTCATCAAACGAACATTGGGCAGTT |
| Reverse | ATAGGTACCCATCAGGTACTCGATAAATAGACGC |
| pBAD33 | *CSP1\_020* to *CSP1\_022* | Forward | ATAGGATCCTTTTGTGTTGTTGTCAAGGTTCAATTCTAA |
| Reverse | ATAGTCGACGTCGGCTTCCTATTCTTACATATCTTTCAT |