**Table S1.** Primer sequences for quantitative real-time-PCR (qRT-PCR) used in this study

| Gene | Forward primer sequence | Reverse primer sequence |
|---|---|---|
| *sigB* | 5′-AAGTGATTCGTAAGGACGTCT-3′ | 5′-TCGATAACTATAACCAAAGCCT-3′ |
| *agrA* | 5′-TGATAATCCTTATGAGGTGCTT-3′ | 5′-CACTGTGACTCGTAACGAAAA-3′ |
| *sarA* | 5′-TCCCTTCAAAACCAAACGAA-3′ | 5′-AATTCAGGACATGCACCACA-3′ |
| *icaA* | 5′-GGAAGTTCTGATAATACTGCTG-3′ | 5′-GATGCTTGTTTGATTCCCTC-3′ |
| *cidA* | 5′-AGCGTAATTTCGGAAGCAACATCCA-3′ | 5′-CCCTTAGCCGGCAGTATTGTTGGTC-3′ |
| *rsbU* | 5′-AGCGTTTGAGGAAATTGGTGT-3′ | 5′-CCTCTACATCTCGTGCCTCTG-3′ |
| 16S rRNA | 5′-GGGACCCGCACAAGCGGTGG-3′ | 5′-GGGTTGCGCTCGTTGCGGGA-3′ |

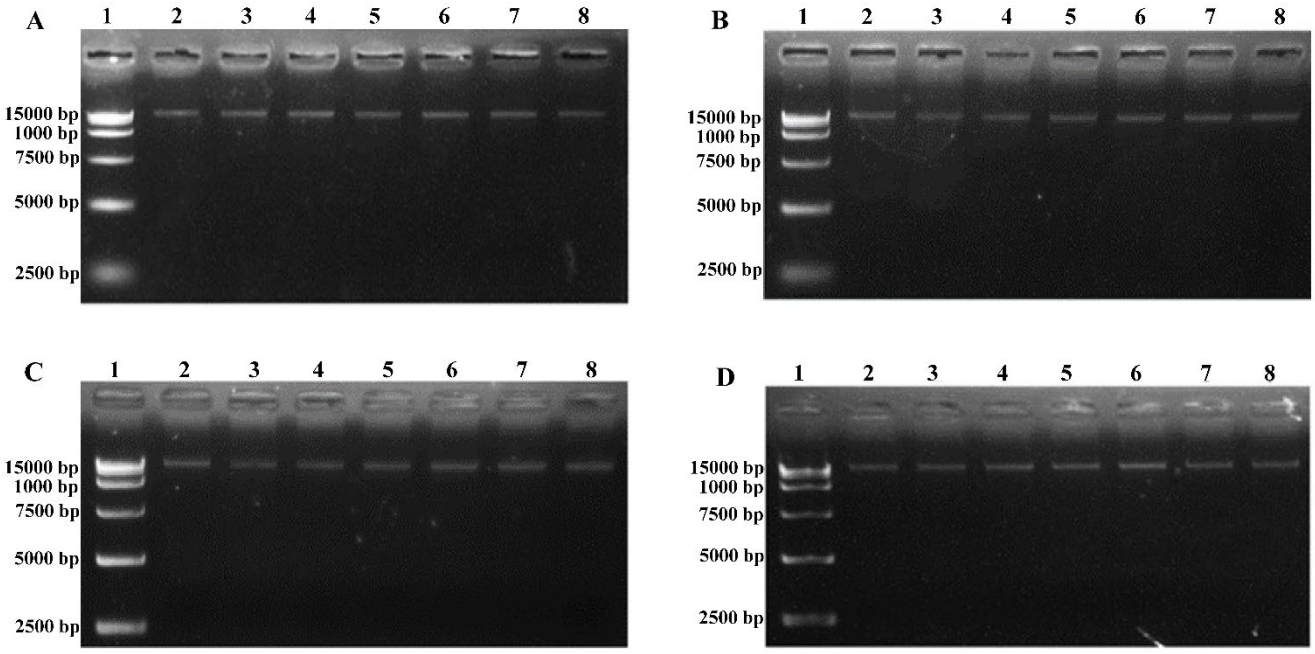


**Figure S1.** Effect of CBLEO on genome DNA of *S. aureus* cells by gel electrophoresis assay. **(A)** After 0.5 h incubation with different levels of CBLEO; **(B)** After 1 h incubation with different levels of CBLEO; **(C)** After 3 h incubation with different levels of CBLEO; **(D)** After 5 h incubation with different levels of CBLEO. Lane 1 signified DNA Marker; Lane 2 signified genome DNA of *S. aureus* treated by PBS (as the control); Lanes 3-8 signified genome DNA of *S. aureus* treated with 1/2×MIC, 1×MIC, 2×MIC, 4×MIC, 8×MIC and 16×MIC of CBLEO, respectively.