

Supplementary Material

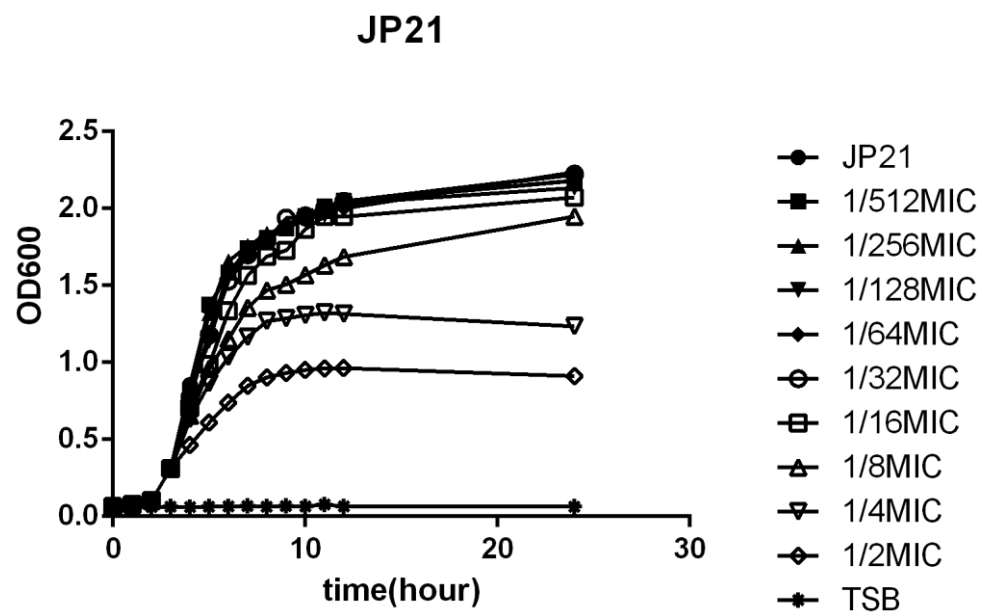


Figure S1. Growth curve of *S. aureus* JP21 at different sub-inhibitory concentrations of fusidic acid.

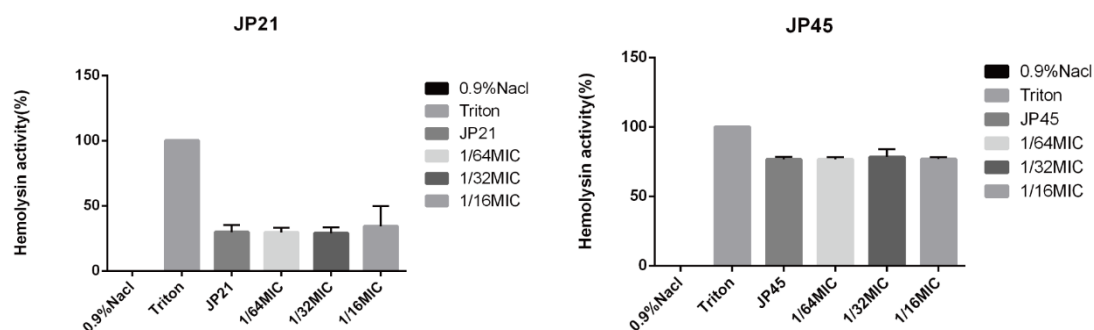


Figure S2. The same amount of solvent (95% ethanol) as the corresponding concentration of fusidic acid had no effect on the hemolytic activity of *S. aureus*. 0.9% NaCl and Triton used as negative control and positive control, respectively. Each test was performed independently in triplicate.

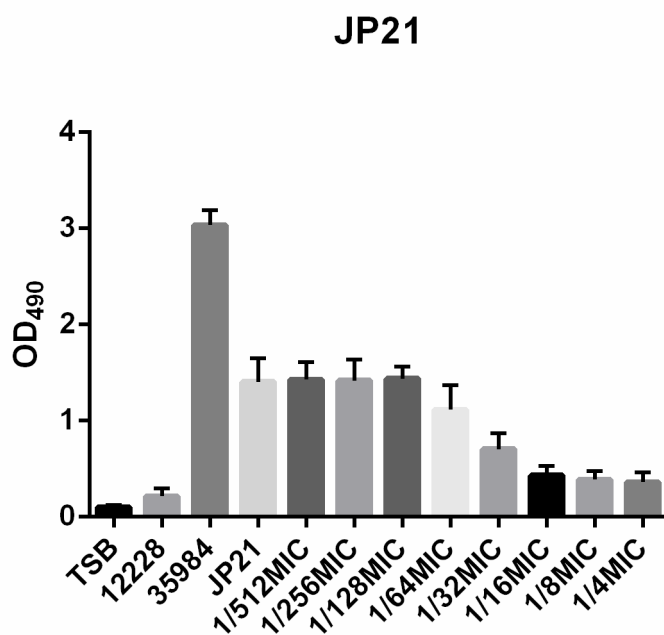


Figure S3. The effect of different sub-inhibitory concentrations of fusidic acid on the formation of JP21 biofilm.

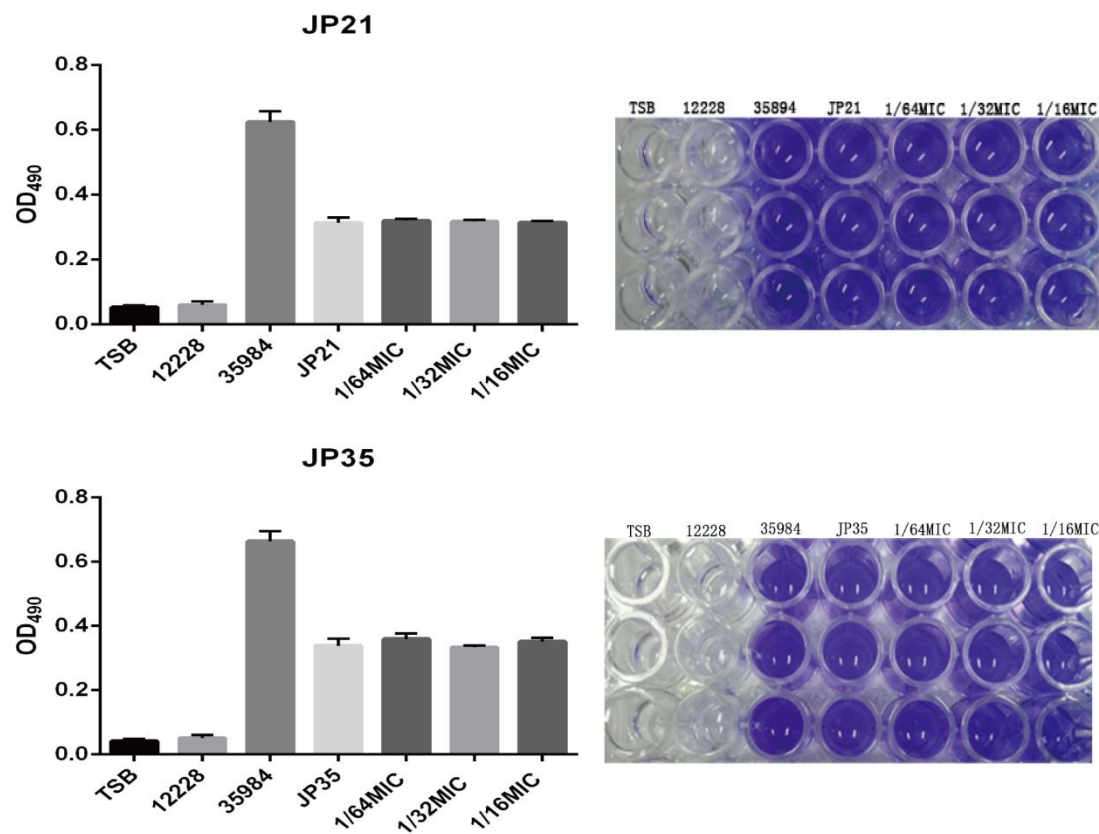


Figure S4. The same amount of solvent (95% ethanol) as the corresponding concentration of fusidic acid had no effect on the formation of *S. aureus* biofilm. On the right is the picture after dissolution with glacial acetic acid, and on the left is the OD value measured at 490 nm. *Staphylococcus sp.* 12228, 35884 as negative control and positive control, respectively. There was no difference in the control group (growth without fusidic acid) for each strain. Each test was performed independently in triplicate.

Table S1 Primers used for real-time RT-PCR

Primer name	Sequence (5 mers u
<i>gyrB</i> -RT-F	ACATTACAGCAGCGTATTAG
<i>gyrB</i> -RT-R	CTCATAGTGATAGGAGTCTTCT
<i>icaA</i> -RT-F	GTTGGTATCCGACAGTATA
<i>icaA</i> -RT-R	CACCTTTCTTACGTTTAAATG
<i>cidA</i> -RT-F	TAGCGTAATTTTCGGAAGC
<i>cidA</i> -RT-R	GGCAGTATTGTTGGTCTA
<i>sarA</i> -RT-F	AAACCCTGAATTTGAATG
<i>sarA</i> -RT-R	GATATTACATCTGCTCCT
<i>spa</i> -RT-F	AGGCTTGTTGTTGTCTTC
<i>spa</i> -RT-R	CCTTCAGTGAGCAAAGAA
<i>hla</i> -RT-F	GTCATTTCTTCTTTTTCCCAATCG
<i>hla</i> -RT-R	CACGTATAGTCAGCTCAGTAACA
<i>saeR</i> -RT-F	GTCGTAACCATTAACCTTCTG
<i>saeR</i> -RT-R	ATCGTGGATGATGAACAA
<i>saeS</i> -RT-F	TGTATTTAAAGTGATAATATGAG
<i>saeS</i> -RT-R	CTTAGCCCATGATTTAAAACA