

Applied Microbiology and Biotechnology

Supplementary Material

Expression and characterization of the new Antimicrobial peptide AP138L-arg26 anti *Staphylococcus aureus*

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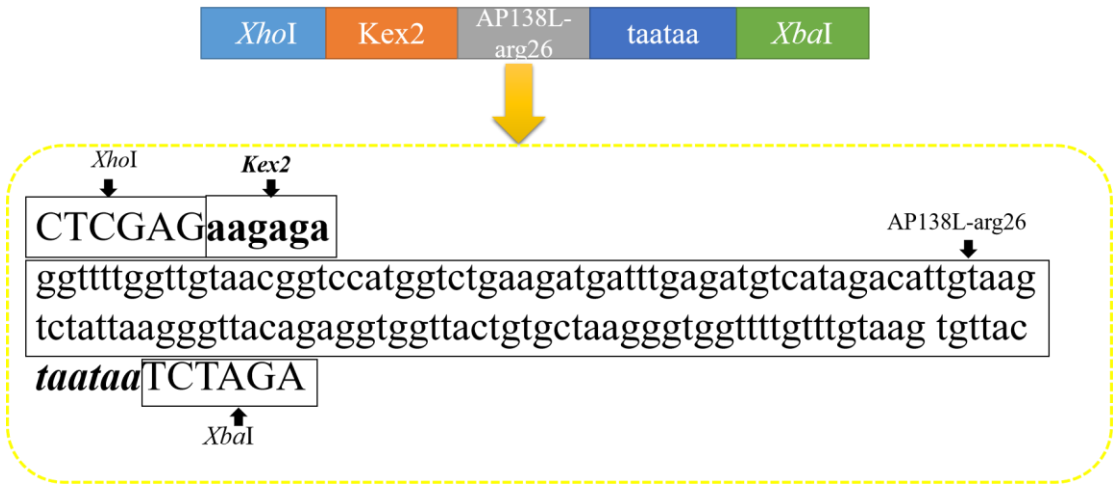
Table S1 the second structure of AP138L-arg26

peptides	α -Helix	β -sheet	β -turn	coli
plectasin	30.75	20.8	95.8	12.5
AP138L- arg26	20.8	12.5	120.8	12.5

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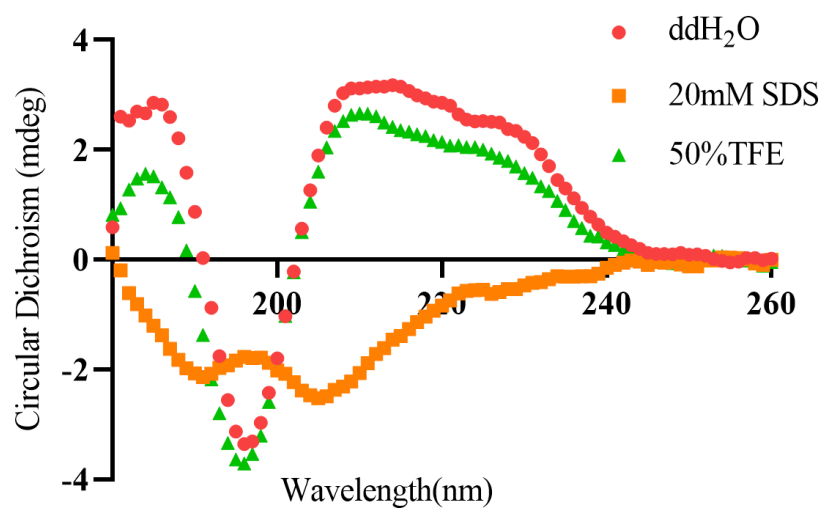
Note: All data were predicted by online helix-turn-helix software.

21 **Figure Legends**



22
23 **Figure S1 The schematic and codon-optimized nucleotide sequences of the AP138L-arg26**
24 **genes**

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27 **Figure S2. CD spectra of the peptide AP138L-arg26 in H₂O, 20 mM SDS, or 50% TFE.**