Supporting Information

Cost-effective downstream processing of recombinantly produced pexiganan peptide and its antimicrobial activity

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Acknowledgments

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Figures Legends

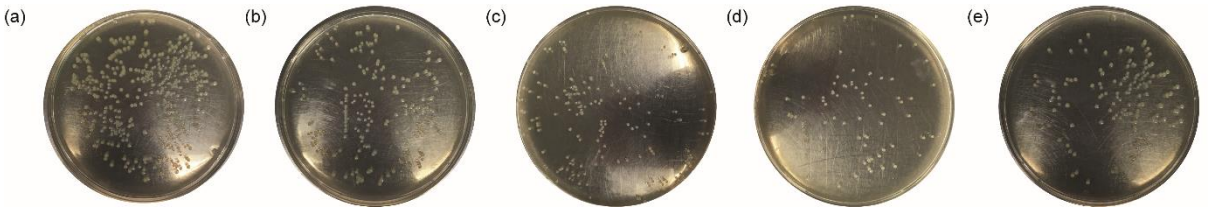
Figure S1. Photographs of *E. coli* growth on agar plates containing of: (a) water; (b) DAMP4 protein; (c) $DAMP4_{var}$-pexiganan protein; (d) synthetic pexiganan peptide; and (e) bio-produced pexiganan peptide. The concentration of all protein/peptide samples was 1 μg/mL.

Figure S2. Photographs of *E. coli* growth on agar plates containing of: (a) water; (b) DAMP4 protein; (c) $DAMP4_{var}$-pexiganan protein; (d) synthetic pexiganan peptide; and (e) bio-produced pexiganan peptide. The concentration of all protein/peptide samples was 2 μg/mL.

Figure S3. Photographs of *E. coli* growth on agar plates containing of: (a) water; (b) DAMP4 protein; (c) $DAMP4_{var}$-pexiganan protein; (d) synthetic pexiganan peptide; and (e) bio-produced pexiganan peptide. The concentration of all protein/peptide samples was 4 μg/mL.

Figure S4. Photographs of *E. coli* growth on agar plates containing of: (a) water; (b) DAMP4 protein; (c) $DAMP4_{var}$-pexiganan protein; (d) synthetic pexiganan peptide; and (e) bio-produced pexiganan peptide. The concentration of all protein/peptide samples was 8 μg/mL.

Figure S5. Photographs of *E. coli* growth on agar plates containing of: (a) water; (b) DAMP4 protein; (c) $DAMP4_{var}$-pexiganan protein; (d) synthetic pexiganan peptide; and (e) bio-produced pexiganan peptide. The concentration of all protein/peptide samples was 32 μg/mL.



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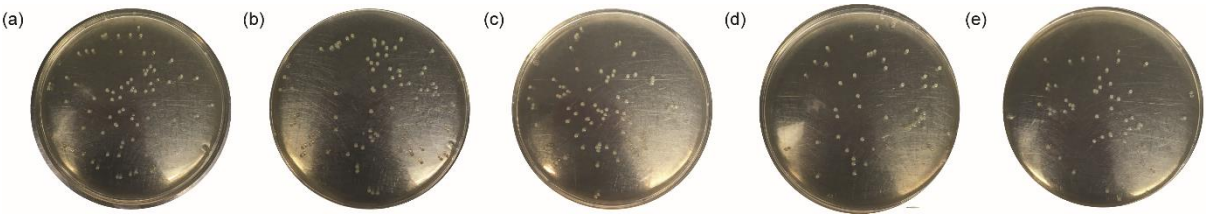

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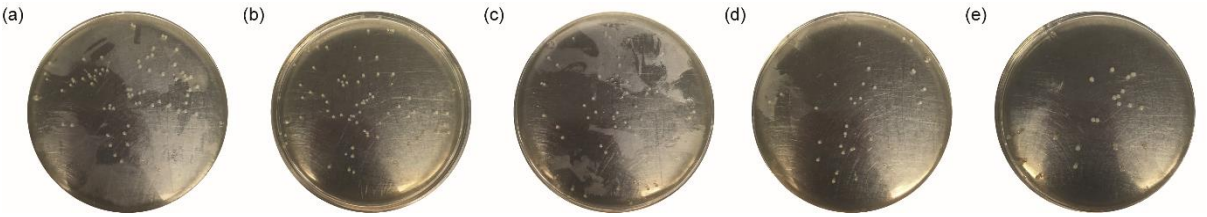

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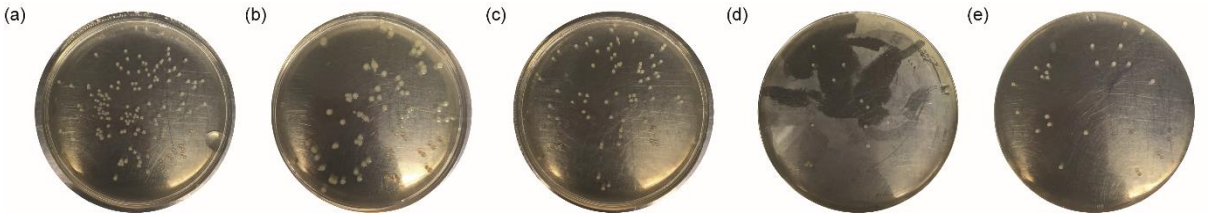

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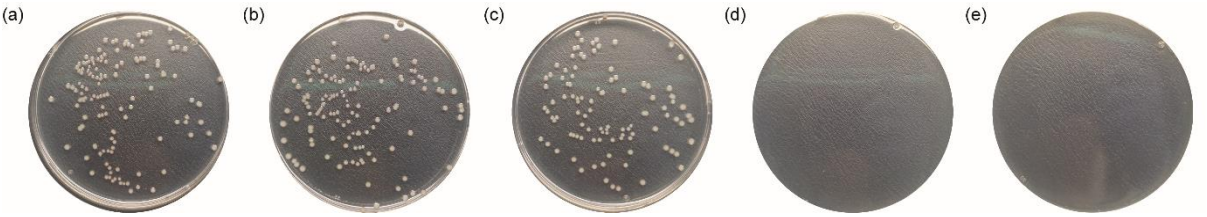

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