Supplementary Materials: Influence of Cysteine and Tryptophan Substitution on DNA-Binding Activity on Maize Alpha-Hairpinin Antimicrobial Peptide

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Figure S1. MBP-1 mass spectrum before (higher peak—4125.69) and after folding (lower peak—4121.04), showing 4 kDa decrease related to cysteine oxidation.
Figure S2. Bactericidal assays. Five bacterial lineages were incubated with 50 µM of MBP-1. After 2.5 h it was possible to observe the difference in inhibition, which was more pronounced in *E. coli* DH5-α. This strain was chosen for subsequent assays. Chloramphenicol (0.25 mM) was used as positive control, and ultrapure water as negative control.

Figure S3. Scanning electron microscopy of *E. coli* cells, treated with MBP-1 at 50 µM (A); 100 µM (B) and Var 1 at 50 µM (C); 100 µM (D); No peptide as control (E). Scale bar 1 µm. Magnification 14,000× (A,B,D), 13,000× (C) and 15,000× (E).