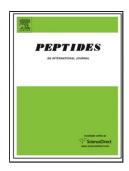
### Accepted Manuscript

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## ACCEPTED MANUSCRIPT

#### Effects of truncation of the peptide chain on the secondary structure and bioactivities of

#### palmitoylated anoplin

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#### Highlights

- *N*-palmitoylation enhanced the bioactivities of anoplin and its truncated analogues.
- Pal-ano-6 is the shortest helical *C*-truncated anoplin analogue.
- Palmitoylated analogues with nonpolar residues at the *C*-termini were helical in water.
- Helical structure in water is the major determinant of antifungal activity.
- Truncation of the lipopeptide modulates antimicrobial activity and specificity.

#### ABSTRACT

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