**Photodynamic and peptide-based strategy to inhibit Gram-positive bacterial biofilm formation**

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**Supplementary Figure 1**

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Comparison of cytotoxic effects of photodynamic therapy and the peptides, as monotherapies and combined, over HaCaT. The cell line, in the absence of bacteria, was treated with AU (16 μM), (AU)2K (25 μM), MB (78 μM), or Ce6 (42 μM), for 5 minutes in the dark (**A**) and was then irradiated with a 664 nm LED (**B**; 30 J/cm² for Ce6-PDT and 45 J/cm² for MBPDT). Immediately after irradiation, cells were washed to remove the treatment and incubated with MTT (0.5 mg/mL) for 3 hours (as previous published in de Freitas et al, 2014 – doi: 10.1016/j.jphotobiol.2014.08.021). Formazan crystals were solubilized with DMSO and the absorbance was read at 550 nm. Asterisks indicate the statistical difference. Columns represent the average of four independents quadruplicates and bars represent the standard deviation. ANOVA one-way, with Tukey *posthoc*. \*p < 0,05; \*\*p < 0,01; \*\*\*p < 0,001.

AU: aureína 1.2

(AU)2K: C-terminal dimer of aurein 1.2

Ce6: chlorin-e6

MB: methylene blue

PDT: photodynamic therapy