S3 Table. Cell membrane permeabilization caused by the two peptides. Cell membrane permeabilization was assessed as the increase in fluorescence intensity due to interaction of Sytox green dye with DNA (measured spectroscopically at 480\textsubscript{nm} excitation and 522\textsubscript{nm} emission wavelengths). Data are presented as means (±SD) of three independent repeats performed in triplicate.

| Time (sec) | \( S. aureus \) 31 | \( S. aureus \) ATCC 6538 |
|------------|------------------|------------------|
|            | Melimine | Mel4 | Triton-X (1%) | Buffer | Melimine | Mel4 | Triton-X (1%) | Buffer |
| 5          | 4±1      | 2±0  | -2±1          | 33±1   | 1±2      | 2±1  | 2±1          | 1±0    | 1±0    | 17±1  | 1±1 |
| 10         | 3±1      | 5±1  | -3±3          | 42±2   | 1±2      | 4±1  | 5±0          | 2±0    | 2±0    | 38±1  | 2±1 |
| 15         | 6±1      | 6±0  | -3±1          | 57±3   | 1±2      | 9±1  | 10±1         | 2±1    | 2±0    | 48±1  | 1±2 |
| 20         | 7±2      | 6±1  | -4±1          | 67±1   | 1±1      | 13±2 | 16±2         | 2±1    | 2±1    | 60±3  | 1±1 |
| 25         | 11±1     | 11±1 | -3±2          | 88±1   | 1±2      | 15±1 | 16±0         | 2±0    | 1±1    | 70±2  | 1±2 |
| 30         | 14±2     | 14±2 | -5±1          | 104±1  | 1±1      | 22±1 | 22±1         | 3±1    | 4±2    | 80±2  | 2±1 |
| 150        | 33±4     | 34±2 | -2±1          | 147±7  | 1±2      | 41±2 | 44±2         | 8±1    | 10±    | 155±14| 2±2 |