|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **Treatment** |  |  |  |  |  |  |  |  |  |  |
| **Log Phase** | **Lysozyme** |  | **Mutanolysin** | **Lysostaphin 50 µg/mL** | **Lysostaphin 200 µg/mL** |
|  | **Time point (min)** | **A** | **B** | **C** | **A** | **B** |  | **C** | **A** | **B** | **C** | **A** | **B** | **C** |
|  | **0** | **NA** | **NA** | **NA** | **NA** | **NA** |  | **NA** | **NA** | **NA** | **NA** | **NA** | **NA** | **NA** |
|  | **5** | **ns** | **ns** | **ns** | **ns** | **ns** |  | **ns** | **\*\*** | **ns** | **ns** | **\*** | **ns** |  |
|  | **10** | **ns** | **ns** | **ns** | **ns** | **ns** |  | **ns** | **ns** | **ns** | **ns** | **\*** | **ns** | **\*\*\*** |
|  | **15** | **ns** | **ns** | **ns** | **ns** | **ns** |  | **ns** | **ns** | **\*** | **ns** | **ns** | **ns** | **\*\*\*\*** |
|  | **20** | **ns** | **ns** | **ns** | **ns** | **ns** |  | **ns** | **ns** | **\*** | **ns** | **\*** | **ns** | **\*\*\*\*** |
|  | **25** | **ns** | **ns** | **ns** | **ns** | **ns** |  | **ns** | **\*** | **ns** | **\*** | **\*** | **ns** | **\*\*\*\*** |
|  | **30** | **ns** | **ns** | **ns** | **ns** | **ns** |  | **ns** | **\*\*** | **ns** | **ns** | **\*** | **ns** | **\*\*\*\*** |
|  | **35** | **ns** | **ns** | **ns** | **ns** | **ns** |  | **ns** | **ns** | **\*** | **\*** | **ns** | **ns** | **\*\*\*\*** |
|  | **40** | **ns** | **ns** | **ns** | **ns** | **ns** |  | **ns** | **\*** | **\*\*** | **ns** | **ns** | **ns** | **\*** |
|  | **45** | **ns** | **ns** | **ns** | **ns** | **ns** |  | **ns** | **\*** | **\*\*** | **\*** | **ns** | **ns** | **ns** |
|  | **50** | **ns** | **ns** | **ns** | **ns** | **ns** |  | **ns** | **ns** | **\*\*** | **\*** | **ns** | **ns** | **ns** |
|  | **55** | **ns** | **ns** | **ns** | **ns** | **ns** |  | **ns** | **ns** | **\*\*** | **\*\*** | **ns** | **ns** | **\*\*\*** |
|  | **60** | **ns** | **ns** | **ns** | **ns** | **ns** |  | **ns** | **ns** | **\*\*** | **\*** | **ns** | **ns** | **ns** |
| **Stationary Phase** |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **0** | **NA** | **NA** | **NA** | **NA** | **NA** |  | **NA** | **NA** | **NA** | **NA** | **NA** | **NA** | **NA** |
|  | **5** | **ns** | **ns** | **ns** | **ns** | **ns** |  | **ns** | **ns** | **ns** | **ns** | **ns** | **ns** | **ns** |
|  | **10** | **ns** | **ns** | **ns** | **ns** | **ns** |  | **ns** | **ns** | **ns** | **ns** | **ns** | **ns** | **ns** |
|  | **15** | **ns** | **ns** | **ns** | **ns** | **ns** |  | **ns** | **\*** | **ns** | **ns** | **ns** | **ns** | **\*** |
|  | **20** | **ns** | **ns** | **ns** | **ns** | **ns** |  | **ns** | **\*** | **ns** | **ns** | **ns** | **\*** | **ns** |
|  | **25** | **ns** | **ns** | **ns** | **ns** | **ns** |  | **ns** | **\*\*** | **ns** | **ns** | **ns** | **\*\*** | **ns** |
|  | **30** | **ns** | **ns** | **ns** | **ns** | **ns** |  | **ns** | **\*\*** | **ns** | **ns** | **ns** | **\*\*** | **ns** |
|  | **35** | **ns** | **ns** | **ns** | **ns** | **ns** |  | **ns** | **\*\*\*** | **ns** | **ns** | **ns** | **\*\*** | **\*** |
|  | **40** | **ns** | **ns** | **ns** | **ns** | **ns** |  | **ns** | **\*\*** | **ns** | **ns** | **ns** | **\*** | **ns** |
|  | **45** | **ns** | **ns** | **ns** | **ns** | **ns** |  | **ns** | **\*\*** | **ns** | **ns** | **ns** | **ns** | **ns** |
|  | **50** | **ns** | **ns** | **ns** | **ns** | **ns** |  | **ns** | **ns** | **ns** | **ns** | **ns** | **ns** | **ns** |
|  | **55** | **ns** | **ns** | **ns** | **ns** | **ns** |  | **ns** | **ns** | **ns** | **\*\*** | **ns** | **ns** | **ns** |
|  | **60** | **ns** | **ns** | **ns** | **ns** | **ns** |  | **ns** | **ns** | **ns** | **\*** | **ns** | **ns** | **ns** |

**Table S1** Statistical analysis summary of the results corresponding to Fig S1

Samples corresponding to **one condition** (eg. Lysozyme log phase) were analysed separately by 2way ANOVA with Geisser-Greenhouse correction (no assumption of sphericity) followed by Tukey’s multiple comparisons test. Table summarises the results of comparing, for each tested buffer (A, B or C), the **treated samples** vs **untreated sample**, in the same buffer, **at** **each represented time point** (*\*P<0.05; \*\*P<0.01; \*\*\*P<0.001; \*\*\*\*P<0.0001; ns=not significant*). NA=not applicable. Statistical analysis was performed using GraphPad Prism (version 9.0.0).