## Supplementary information

# Quorum quenching lactonase strengthens bacteriophage and antibiotic arsenal against *Pseudomonas aeruginosa* resistant isolates

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Supplementary Figure 1 Growth of clinical isolates in presence (striped bar) or absence (empty bar) of phage cocktail. For each strain, bars represent the mean density (OD 600) after 16 h of incubation in MOPS glutamate with or without phage cocktail. Error bars represent the standard deviations of three replicated experiments. \**p-values*<0.05; \*\**p-values*<0.01; \*\*\**p-values*<0.001 according to Student’s *t*-test.



Supplementary Figure 2 Dose response experiment of different concentration of *Sso*Pox-W263I on PA14 virulence against *A. polyphaga Linc AP1*. Curves represent the mean diameter of amoeba at different days of three experiments after incubation in the presence of bacteria treated with 10, 100 or 500 µg.ml-1 *Sso*Pox-W263I or with 500 µg.ml-1 *Sso*Pox inactive mutant 5A8. Error bars represent the standard deviations of three experiments.