

Supplementary Information



Figure S1. Screening KS8 for QSI activity using reporter strain *Serratia* sp. ATCC 39006. Inhibition of pigment production in the proximity of KS8 is indicative of positive QSI activity.

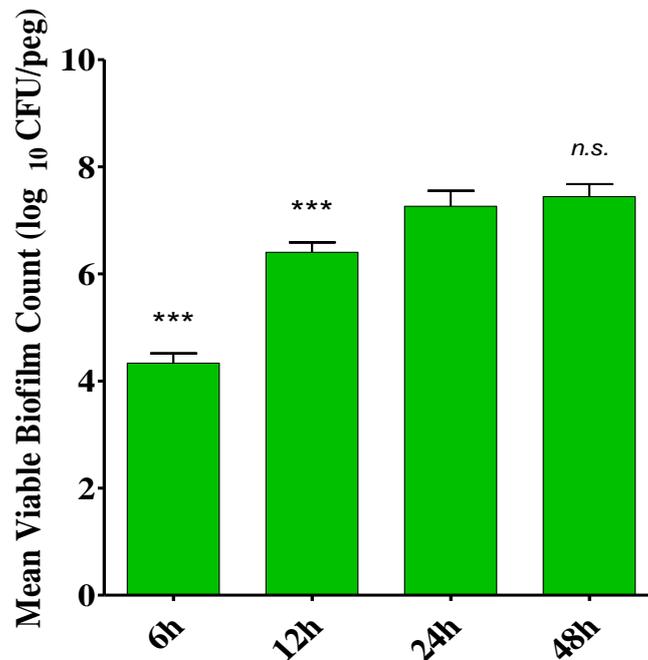


Figure S2. Mean Biofilm Counts of *P. aeruginosa* PAO1 over 48 h. Biofilms were grown on the Calgary Biofilm Device for 48 h in LBB at 37 °C and 150 rpm. Each value is expressed as the mean and standard deviation of six replicates. Differences in counts compared to the 24h time point were considered significant when $p < 0.05$ (* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$) according to the non parametric Kruskal with Dunn's Multiple Comparison Test. (n.s. = not significant).

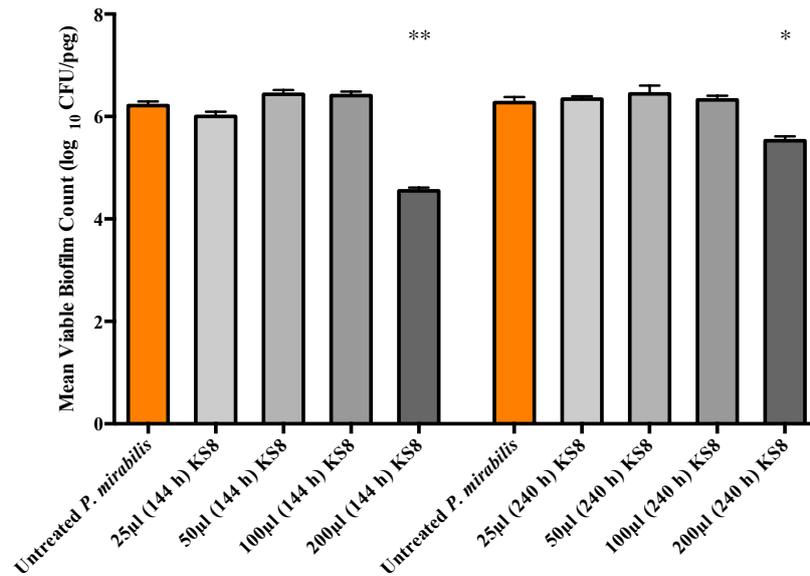


Figure S3. Prevention of biofilm formation by isolate KS8 supernatant. *P. mirabilis* ATCC7002 mean biofilm counts following 24 h exposure to sterile 6-day and 10-day supernatant of isolate KS8. *P. mirabilis* biofilms were grown on the Calgary Biofilm Device for 24 h in LBB at 37 °C and 150 rpm.

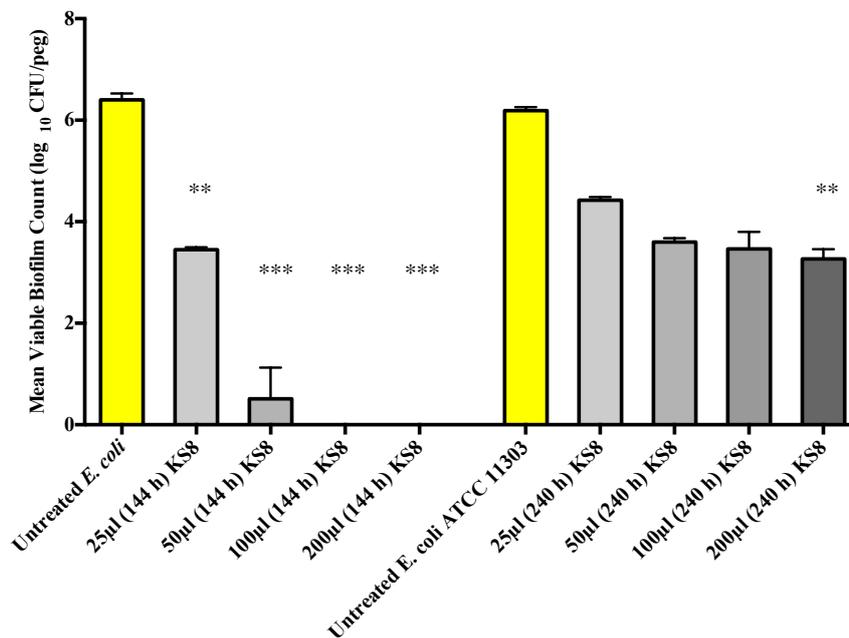


Figure S4. Prevention of biofilm formation by isolate KS8 supernatant. *E. coli* (ATCC11303) mean biofilm counts following 24 h exposure to sterile 6-day and 10-day supernatant of isolate KS8. *E. coli* (ATCC11303) biofilms were grown on the Calgary Biofilm Device for 24 h in LBB at 37 °C and 150 rpm.

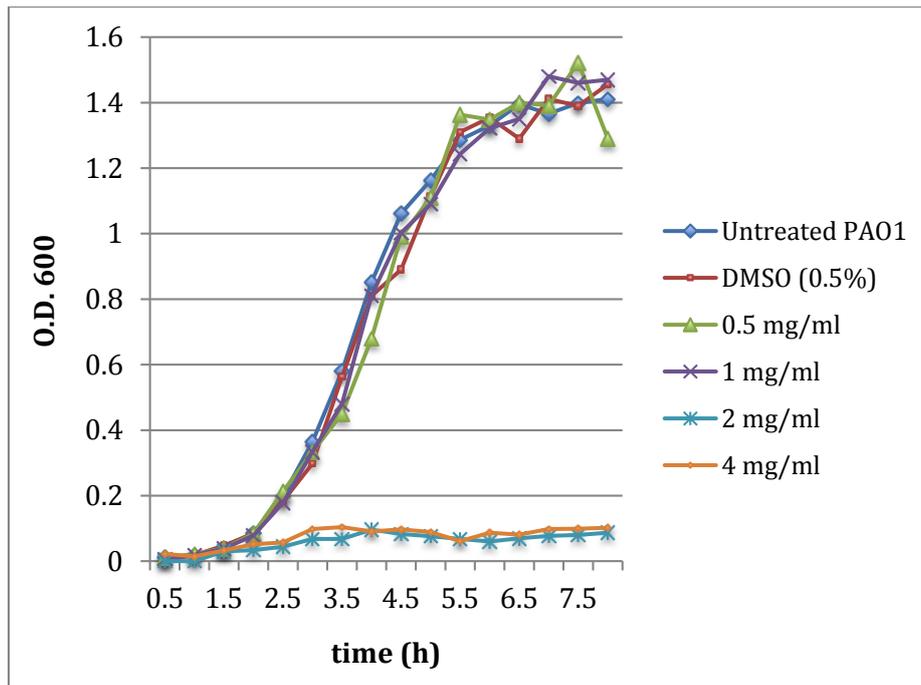


Figure S5. Planktonic growth curves (O.D. 600) of *P. aeruginosa* PAO1 in LB broth (37 °C) in the presence of KS8 crude organic extract. Mean absorbance was measured at 600 nm using an automated Tecan Sunrise® plate reader (Männedorf, Switzerland). Growth inhibitory activity is apparent at the higher concentrations tested (2 and 4 mg/mL).

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