



**Figure S6.** Colonies of *P. aeruginosa* PAO1, the DK2-P2M24-2003 wild type (**DK2 wt**) or the *pqsB* mutant, Tn1 (**DK2-Tn1**) grown on a lawn of the *S. aureus agrC* mutant on LB agar plates with addition of tobramycin (Tm) as indicated. *P. aeruginosa* PAO1 produce HQNO, whereas DK2-P2M24-2003 and Tn1 is defective for HQNO or 4-hydroxy-2-alkylquinoline (HAQ) production, respectively. On LB agar without tobramycin *P. aeruginosa* PAO1, but not DK2-P2M24-2003 or Tn1, suppresses the growth of *S. aureus* (indicated by a white arrowhead). By tobramycin concentrations  $> 1.5 \mu\text{g/ml}$  *S. aureus* grows in a zone surrounding the PAO1 and DK2-P2M24-2003 colonies (indicated by black arrowheads), but not the Tn1 colony.