



**Figure S5.** Screening of the *S. aureus* Nebraska mutant library (Fey et al, 2013) in a spot-interaction setup with *P. aeruginosa* DK2-P2M24-2003 to find *S. aureus* mutant that no longer induce the zone of thickened *P. aeruginosa* colony morphology. **(A)** Example of a screening plate with 96 different *S. aureus* mutant strains (top colonies) in interaction with colonies of *P. aeruginosa* DK2-P2M24-2003 (bottom colonies). **(B)** The detection of a *S. aureus* mutant strain (indicated by white arrowhead), mutated in *agrC* (NE873), which does not induce the thickened *P. aeruginosa* colony morphology. **(C)** Summary of *S. aureus* mutant strains with impaired *P. aeruginosa* interaction as detected from the spot-interaction screening assay.