

Fig. S2

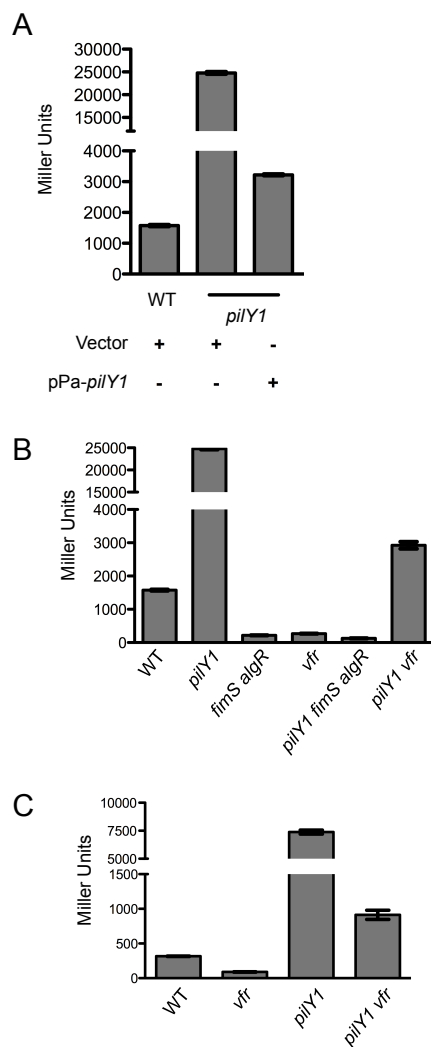


Fig. S2. β -galactosidase activities of transcriptional reporter P_{pilY1} -*lacZ* and P_{fimS} -*lacZ* in *P. aeruginosa* PAK strain background. (A) β -galactosidase activities of transcriptional reporter P_{pilY1} -*lacZ* in the WT (*P. aeruginosa* PAK) or its derivative *pilY1* mutant strain containing either empty vector or the *pilY1* expression plasmid (pPa-*pilY1*). Cells were grown in LB broth containing 30 $\mu\text{g ml}^{-1}$ carbenicillin (Cb) and 50 μM IPTG to mid-log growth phase ($\text{OD}_{600} = 1.0$) and assayed for β -galactosidase activity. Values are the means \pm standard error of the mean (SEM) ($n \geq 4$). All values were significantly

different than WT when compared pair-wise, ($P < 0.0018$). **(B)** β -galactosidase activities of transcriptional reporter $P_{pilY1-lacZ}$ in the WT (*P. aeruginosa* PAK) or its derivative mutant strains. Cells were grown in LB broth to mid-growth phase ($OD_{600} = 1.0$) and assayed for β -galactosidase activity. Values are the means \pm SEM ($n = 3$). All values were significantly different than WT when compared pair-wise ($P \leq 0.01$). **(C)** β -galactosidase activities of transcriptional reporter $P_{fims-lacZ}$ in the WT (*P. aeruginosa* PAK) or its derivative mutant strains. Cells were grown in LB broth to mid-growth phase ($OD_{600} = 1.0$) and assayed for β -galactosidase activity. Values are the means \pm standard error of the mean (SEM) ($n = 3$). All values were significantly different than WT when compared pair-wise ($P \leq 0.01$).