



FIG. S1. Twitching motility (A) and production of the replicative form of PF4 (B) by ten independent $\Delta mvaT \Delta mvaU$ double mutants of *P. aeruginosa* strain PAO1. (A) The ten independent PAO1 $\Delta mvaT \Delta mvaU$ double mutants are numbered 1-10. (B) Agarose gel of PCR products amplified from the replicative form of phage Pf4 present in the indicated cells. PCR products from the ten independent PAO1 $\Delta mvaT \Delta mvaU$ double mutants are numbered 1-10 and indicated $\Delta T \Delta U$. PCR products from the wild-type PAO1 strain, from a $\Delta mvaT$ mutant strain and from a $\Delta mvaU$ mutant strain are indicated PAO, ΔT , and ΔU , respectively. The results in A show that all mutants, except number 5, are defective for twitching motility. The results in B show that all mutants, except number 5, overproduce the replicative form of Pf4.