

Table 1. Bacterial strains used in this study

Strain	Genotype/Description	Phenotype
<i>P. aeruginosa</i> PA14	non-mucoid clinical isolate, WT	Fully assembled flagellum, swimming competent
PA14 <i>motABmotCD</i>	Δ <i>motAB</i> Δ <i>motCD</i> , flagellar stator proteins	Fully assembled flagellum, non-swimming
PA14 <i>flgK</i>	<i>flgK::Tn5</i> flagellar hook protein	No flagellum, non-swimming
PA14 <i>fliC</i>	Δ <i>fliC</i> , flagellin monomer	
PA14 <i>waaLmotABmotCD</i>	Δ <i>waaL</i> , O-antigen ligase and Δ <i>motAB</i> Δ <i>motCD</i> , flagellar stator proteins	Fully assembled flagellum, non-swimming
PA14 <i>pilA</i>	Δ <i>pilA</i> , pilin	Lacks pili, twitch defective, swimming competent
PA14 <i>pilB</i>	Δ <i>pilB</i> , ATPase for pilus assembly	Lacks pili, twitch defective, swimming competent
PA14 <i>pilG</i>	Δ <i>pilG</i> , CheY-like response regulator of pilus	Lacks pili, twitch defective, swimming competent
<i>P. aeruginosa</i> PA01	WT	Fully assembled flagellum, swimming competent
<i>P. aeruginosa</i> PA103	WT	No flagella, non-swimming
<i>P. aeruginosa</i> PAK	WT	Fully assembled flagellum, swimming competent
<i>Escherichia coli</i> K12 <i>fliC</i>	Δ <i>fliC</i> , flagellin monomer	No flagella, non-swimming
<i>Vibrio Cholerae</i> O395 <i>motX</i>	Δ <i>motX</i> , flagellar stator protein	Fully assembled flagellum, non-swimming
<i>Klebsiella pneumoniae</i> KPPR1	WT	No flagellum, non-swimming
<i>Staphylococcus aureus</i> USA300	WT strain of community-associated methicillin-resistant <i>S. aureus</i>	Gram positive, no flagellum, non-swimming
<i>S. aureus</i> rn4220	WT	Gram positive, no flagellum, non-swimming
<i>Bacillus subtilis</i> JH642	WT	Gram positive