

Table S1. Bacterial strains and plasmids used in this study

Strains and plasmids	Genotype/relevant characteristics	Source
<i>E. coli</i> K-12 strains		
MG1655	F ⁻ λ ⁻ <i>ilvG rfb-50 rph-1</i>	[18]
BW25113	<i>lacF</i> <i>rrnB</i> _{T14} Δ <i>lacZ</i> _{WJ16} <i>hsdR514</i> Δ <i>araBAD</i> _{AH33} Δ <i>rhaBAD</i> _{LD78}	[19]
BW25113 <i>mqsR</i>	K-12 BW25113 Δ <i>mqsR</i> Ω Km ^R	[19]
Plasmids		
pBS(Kan)	Km ^R ; cloning vector	[1]
pBS(Kan)- <i>mqsR</i>	Km ^R ; pBS(Kan) P _{lac} :: <i>mqsR</i> ⁺	this study
pBS(Kan)- <i>mqsA-F</i>	Km ^R ; pBS(Kan) P _{lac} :: <i>mqsA</i> ⁺	this study
pBS(Kan)- <i>mqsR-mqsA-F</i>	Km ^R ; pBS(Kan) P _{lac} :: <i>mqsR-mqsA</i> ⁺	this study
pET28a(+-) <i>mqsR</i>	Km ^R ; pET28a(+) P _{T7} :: <i>mqsR</i> ⁺	this study
pET28a(+-) <i>mqsA-F</i>	Km ^R ; pET28a(+) P _{T7} :: <i>mqsA</i> ⁺	this study
pET28a(+-) <i>mqsA₁₋₇₆</i>	Km ^R ; pET28a(+) P _{T7} :: <i>mqsA₁₋₇₆</i> ⁺	this study
pET28a(+-) <i>mqsA₆₂₋₁₃₁</i>	Km ^R ; pET28a(+) P _{T7} :: <i>mqsA₆₂₋₁₃₁</i> ⁺	this study
pET28a(+-) <i>mqsA₆₂₋₁₃₁L81M</i>	Km ^R ; pET28a(+) P _{T7} :: <i>mqsA₆₂₋₁₃₁L81M</i> ⁺	this study
pCA21a- <i>mqsA-F</i>	Cm ^R ; pCA21a P _{T7} :: <i>mqsA</i> ⁺	this study
pCA21a- <i>mqsA-N</i>	Cm ^R ; pCA21a P _{T7} :: <i>mqsA-N</i> ⁺	this study
pCA21a- <i>mqsA-C</i>	Cm ^R ; pCA21a P _{T7} :: <i>mqsA-C</i> ⁺	this study

Km^R and Cm^R are kanamycin and chloramphenicol resistance, respectively.