

Table S3: Bacterial strains, phages and plasmids.

Strain	Description	Reference
<i>Escherichia coli</i>		
BL21(DE3) <i>plysS</i>	F- <i>ompT hsdS gal</i> (rb-mb+)DE3(<i>Sam7 Δnin5 lacUV5-T7 Gen1</i>)	(1)
BL21(DE3) <i>plysS</i> pET11b- <i>mhqR</i>	overexpression of MhqR	This study
BL21(DE3) <i>plysS</i> pET11b- <i>mhqRC95A</i>	overexpression of MhqRC95A	This study
<i>Staphylococcus aureus</i>		
COL RN4220	archaic HA-MRSA strain restriction negative strain/MSSA cloning intermediate derived from 8325-4	(2, 3) (4)
COL pRB473	COL with empty plasmid	(5)
COL- Δ <i>mhqR</i>	COL <i>mhqR</i> deletion mutant	This study
COL- Δ <i>qsrR</i>	COL <i>qsrR</i> deletion mutant	This study
COL- Δ <i>mhqR</i> ::pRB473- <i>mhqR</i>	COL <i>mhqR</i> complemented Δ <i>mhqR</i> mutant	This study
COL- Δ <i>mhqR</i> ::pRB473- <i>mhqRC95A</i>	COL <i>mhqRC95A</i> complemented Δ <i>mhqR</i> mutant	This study
COL-Brx-roGFP2	COL pRB473- <i>brx-roGFP2</i>	(5)
COL- Δ <i>mhqR</i> Brx-roGFP2	COL <i>mhqR</i> mutant pRB473- <i>brx-roGFP2</i>	This study
Bacteriophages		
<i>Staphylococcus</i> phage 81		(6)
plasmids		
pMAD	<i>S. aureus</i> shuttle vector, Ery ^r	(7)
pET11b	<i>E. coli</i> expression plasmid	Novagen
pRB473	pRB373-derivative, <i>E. coli</i> / <i>S. aureus</i> shuttle vector, containing xylose -inducible P _{Xyl} promoter Amp ^r , Cm ^r	(8, 9)
pMAD- <i>qsrR</i>	pMAD-derivative, <i>S. aureus</i> shuttle vector, <i>qsrR</i> deletion, Ery ^r	This study
pMAD- <i>mhqR</i>	pMAD-derivative, <i>S. aureus</i> shuttle vector, <i>mhqR</i> deletion, Ery ^r	This study
pET11b- <i>mhqR</i>	pET11b-derivative for overexpression of His-tagged MhqR	This study
pET11b- <i>mhqRC95A</i>	pET11b-derivative for overexpression of His-tagged MhqRC95A	This study
pRB473- <i>mhqR</i>	pRB473-derivative expressing <i>mhqR</i> under P _{Xyl}	This study
pRB473- <i>mhqRC95A</i>	pRB473-derivative expressing <i>mhqRC95A</i> under P _{Xyl}	This study
pRB473- <i>brx-roGFP2</i>	pRB473-derivative expressing <i>brx-roGFP2</i> under P _{Xyl}	(5)

R^r: resistant, Amp: ampicillin, Ery: erythromycin, Cm: chloramphenicol

Supplementary References

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