

**Table S1**  
**Bacterial strains, plasmids and primers.**

<b>Strain</b>	<b>Description</b>	<b>Source</b>
AH1263	USA300 Nebraska Collection	(1)
PDJ68	$\Delta ohyA$ of AH1263	This study
JLB2	$\Delta fakA$ of AH1263	(2)
<b>Plasmids</b>	<b>Description</b>	<b>Source</b>
pPJ520	pET-28-derived <i>SaOhyA</i> expression vector	This study
pPJ523	Allelic replacement vector to construct $\Delta ohyA$	This study
pPJ480	<i>S. aureus</i> expression vector, <i>sarA</i> promoter	This study
pPJ490	<i>ohyA</i> expression vector from pPJ480	This study
pCS119	Expression vector used for construction of pPJ480	(3)
<b>Primers</b>	<b>Sequence (5' to 3')</b>	<b>Purpose</b>
OhyA-Up-F	AGGCCCTTTTCGTCTTCAAGAATTTCGAGCTCCAATAATTCTCTTGCCGTTTCG	PCR of <i>Sa0103</i> arm
OhyA-Up-R	GCAAATCTTGGTGGTCATTCATCCACCAAGTCCTTTTCG	
OhyA-Dn-F	CGAAAGGACTTGGTGGATGAATGACCACCAAGATTTGC	PCR of <i>Sa0101</i> arm
OhyA-Dn-R	AATCAGAGCTTGCATGCCTGCAGGTCGACAGACCGAAGAATAGTGAACC	
OhyA-F3	CGGCTTCATCGCTTTTCAC	Genotyping: WT = 3148 bp; KO = 1502 bp
OhyA-R6	AGCGAGTATTGGATTTGTAGAC	
pCS119-a2398t-F	GCTTTTTCTCTTTCTATTATTCCTTGGACTTCATTTACTGGGTTTAA	mutate <i>NcoI</i> site in CS119
pCS119-g3141c-F	CTAAAAACCTACAGAACCTTGGCACTGGCCGTC	
SA2339-F3	TGGCAACGCTAGGATTTACAACATTA	qPCR primers for <i>farE</i>
SA2339-R3	GCTAGCATTGGTCCTGTCGTTTC	
Sa0108-F4	GCAGGTGGTAGTCTTGATGGTG	qPCR primers for <i>SaOhyA</i>
Sa0108-R4	CTAAACGTTGACCCTGTTTCTC	

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2. Fey, P. D., Endres, J. L., Yajjala, V. K., Widhelm, T. J., Boissy, R. J., Bose, J. L., and Bayles, K. W. (2013) A genetic resource for rapid and comprehensive phenotype screening of nonessential *Staphylococcus aureus* genes. *MBio* **4**, e00537-00512
3. Ericson, M. E., Subramanian, C., Frank, M. W., and Rock, C. O. (2017) Role of fatty acid kinase in cellular lipid homeostasis and SaeRS-dependent virulence factor expression in *Staphylococcus aureus*. *mBio* **8**, e00988-00917