

Supplementary Material

Impact of the histidine-containing phosphocarrier protein HPr on carbon metabolism and virulence in *Staphylococcus aureus*

Linda Pätzold ¹, Anne-Christine Brausch ¹, Evelyn Kirch ¹, Lisa Zimmer ¹, Greg A. Somerville ², Markus Bischoff ^{1,*}, and Rosmarie Gaupp ¹

¹ Institute of Medical Microbiology and Hygiene, Saarland University, Homburg/Saar, Germany

² School of Veterinary Medicine and Biomedical Sciences, University of Nebraska, Lincoln, Nebraska, USA

* Correspondence: markus.bischoff@uks.eu; Tel.: +49 6841 162 39 63

Supplementary Table 1: Primers used in this study.

Primer	Direction	Sequence (5'-3') ¹
Cloning primer		
MBH20	Rev	gtcgggtacCTCCACCTATATCTAAAGTACG
MBH86	For.	GGTGTATGAGCCTTGCTG
MBH94	Rev.	ctcgaattTCATAATTACATTTCTCCTTCG
MBH112	For.	gtcgggtACCTTGAAGATGGTTTGATGAC
MBH113	For.	gtcgggtCCATTCAAGCAATCAGTGATGTC
MBH114	Rev.	ggatctAGAATGGATTCATTTCTTCAGGC
MBH427	For.	gtcgaattCTGAGTTTTTATATATGGGTCGTG
MBH428	Rev.	gtcgggtacCTACATTTTGTAAATGACACATAGTTG
MBH484	Rev.	CCAACAACCAAGGCTCATAACACCCATGATTGcTTTTAAGT
		TTACTTTCTTACC
MBH485	For.	GAATTATGTCTGCAGCAGCAATTCAAGGTAGTC
qRT-PCR primer		
<i>citB</i>	For.	CAAGATCATCAAGTGCCTATTCGT
<i>citB</i>	Rev.	CGTGATTACCACGTCTTGAACC
<i>gyrB</i>	For.	GACTGATGCCGATGTGGA
<i>gyrB</i>	Rev.	AACGGTGGCTGTGCAATA
<i>hla</i>	For.	AACCCGGTATATGGCAATCAACT
<i>hla</i>	Rev.	CTGCTGCTTTCATAGAGCCATTT
<i>icaA</i>	For.	CTGGCGCAGTCAATACTATTTGCGGTGTCT
<i>icaA</i>	Rev.	GACCTCCCAATGTTTCTGGAACCAACATCC
<i>pckA</i>	For.	CACGGCTGGAATAAAAACGG
<i>pckA</i>	Rev.	TGCATAGCAGCCACCTTCG

¹ Small letters represent nucleotides that do not fit with the target sequence. Restriction sites used for cloning are underlined.