Supplementary Material

The phosphoarginine phosphatase PtpB from *Staphylococcus aureus* is involved in bacterial stress adaptation during infection

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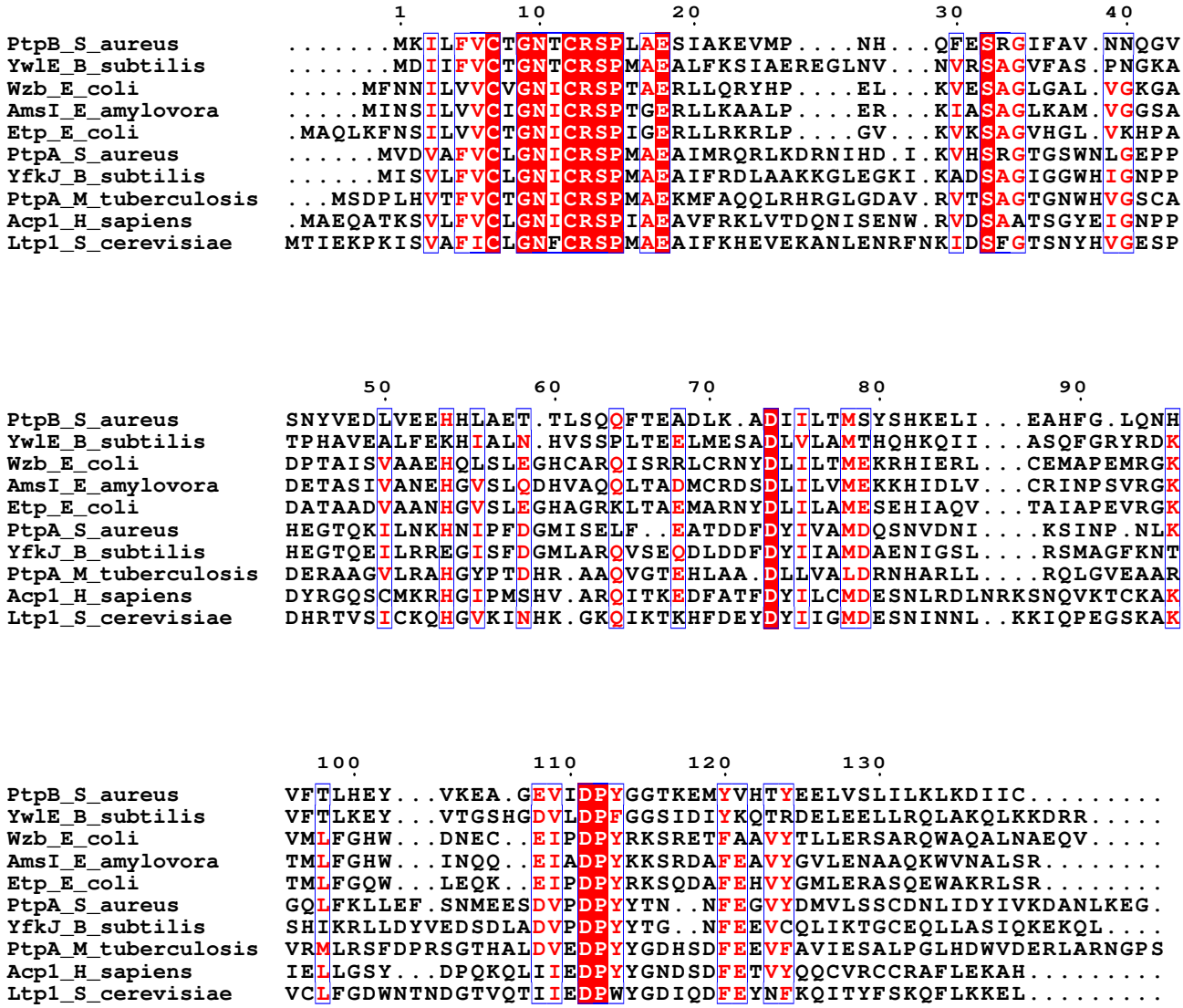
Supplementary Table 1: Primers used in this study.

Primer	Direction	Sequence (5′-3′) [1]
Cloning primer		
MBH510	For.	gtcggTACCAACTGAAACAGTTTATGGAC
MBH511	Rev.	gtgctcgagACGAATAAAATCTTCATAGTTCACATCC
MBH512	For.	GATATTATTTGCTAGTAGGAATTCTG
MBH513	Rev.	gtcgagCTCCATATTCAACGAAATTGTAG
VM11_PtpA_pRMC2	For.	tatGGTACCGGGATATAACTACATAGT
VM11(1)_ PtpA-spot-Ct_Gib	Rev.	CACGAACACGATCTGGCCCTTCTTTCAAATTTGC
VM11(2)_ PtpA-spot-Ct_Gib	For.	GCAAATTTGAAAGAAGGGCCAGATCGTGTTCGTG
VM26_PtpB_pRMC2	For.	TAAGCTTGATGGTACATTATTAAAGGATGTGAACT
VM27_PtpB-spot-Ct_Gib	Rev.	ACGATCTGGTGACCCGCAAATAATATCTTTTAATT
VM28_PtpB-Spot-Ct_Gib	For.	AAAGATATTATTTGCGGGTCACCAGATCGTGTTCG
VM29_Spot-Ct_pRMC2	Rev.	GACGGCCAGTGAATTCTAAGAACTCCAATGTGATA
VM49_SecA_pRMC2	For.	TAAGCTTGATGGTACAACAGTTTTTTAGCTAAAGGAGC
VM50_SecA-spot-Ct_Gib	Rev.	ACGATCTGGTGACCCTTTTCCATGGCAATTTTTGAAT
VM51_SecA-spot-Ct_Gib	For.	AATTGCCATGGAAAAGGGTCACCAGATCGTGTTCG
qRT-PCR primer		
ahpC	For.	TCCAACTGAATTAGAAGACT
ahpC	Rev.	GAGAATACATTTACGCCTAAT
crtM	For.	ACAGTAGGTGAAGTATTGAC
crtM	Rev.	ATCGTATGTCTGATGTGTTT
gyrB	For.	GACTGATGCCGATGTGGA
gyrB	Rev.	AACGGTGGCTGTGCAATA
hla	For.	AACCCGGTATATGGCAATCAACT
hla	Rev.	CTGCTGCTTTCATAGAGCCATTT
katA	For.	AATGGACAATGTATATTCAAGT
katA	Rev.	ATCAAATGGATTATCTTTATGGT
sodA	For.	ACCAAGATAATCCATTAACTGA
sodA	Rev.	ATTTTAGGTAATAAGCGTGTTC
sodM	For.	CCAAGATAATCCATTAACAGAA
sodM	Rev.	CCAAACATCAAATAGTAAGATTG

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

Supplementary Figure 1



Supplementary Figure 1: Alignment of LMW-PTPs. Sequence alignment of LMW-PTPs from various species (the sequence names consist of the protein name followed by the source organism). Conserved residues are highlighted in red. The characters in red represent the conservative residues. This figure was created using the ESPript server (Robert & Gouet, 2014).