Supplemental material.

Figure S1.
Alignment of Spx from *B. subtilis* and *S. aureus*. White letters on black background represent identical residues. α-Spx peptide antibodies were raised against the ($NHCOCH_3$)CGYNEDEIRRFLPRKVR($CONH_2$) peptide (peptide α).

Figure S2.
Construction of an *S. aureus yjbH* mutant strain. See Materials and Methods section for details.

Figure S3.
PCR to verify a double crossover recombination event in the chromosomal *yjbH* locus of the *S. aureus yjbH* mutant using the SAYJBH2/SPC2 and SPC10/SAYJBH1 primer pairs. (A) Primer positions. (B) Agarose gel. Lane a: Molecular marker. Lane b: Strain 8325 4 *ΔyjbH* was used as template with primer pair SPC10/SAYJBH1, giving a PCR product of the expected size (1476 bp). Lane c: Strain 8325-4 *ΔyjbH* was used as template with primer pair SAYJBH2/SPC2, giving a PCR product of the expected size (1644 bp).

Figure S4
Immunoblot assay of the content of Spx in LUW400 (*ΔyjbH::spc*) and LUW428 (*ΔyjbH::spc, amyE*::$yjbH_{SA}$) with different concentrations of the inducer IPTG.

Figure S5
Growth curve *of S. aureus* Newman (pCL25) (•), LUSA10 *(ΔyjbH* pCL25-*yjbIH*) (o), LUSA2 (*ΔyjbH*) (♦), LUSA9 *(ΔyjbH* pCL25) (Δ).

Figure S6
The diagram shows the clearing zone of wt. (*S. aureus* Newman pCL25), LUSA9 (*ΔyjbH* pCL25) and LUSA10 (*ΔyjbH* pCL25-*yjbIH*) in the presence of diamide. The error bars represent the standard deviation of three separate clearing zones.

Figure S7
Immunoblot assay of *S. aureus* YjbH heterologously expressed in *B. subtilis*. The strain contains an IPTG-inducible *S. aureus yjbH* gene integrated in single copy at the *amyE* locus on the chromosome of a *B. subtilis yjbH* null mutant. The IPTG concentrations used are indicated.

Figure S8
Immunoblot assay of the YjbH (Top) and Spx (Bottom) levels in *S. aureus* Newman pCL25-*yjbIH* with anhydrotetracycline concentrations as indicated.

Figure S1

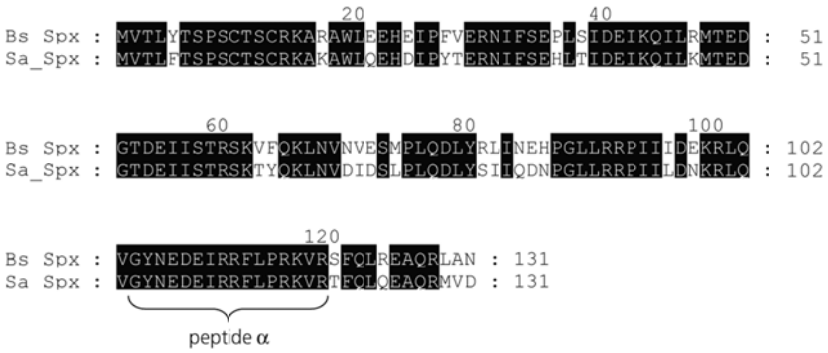

Figure S2.

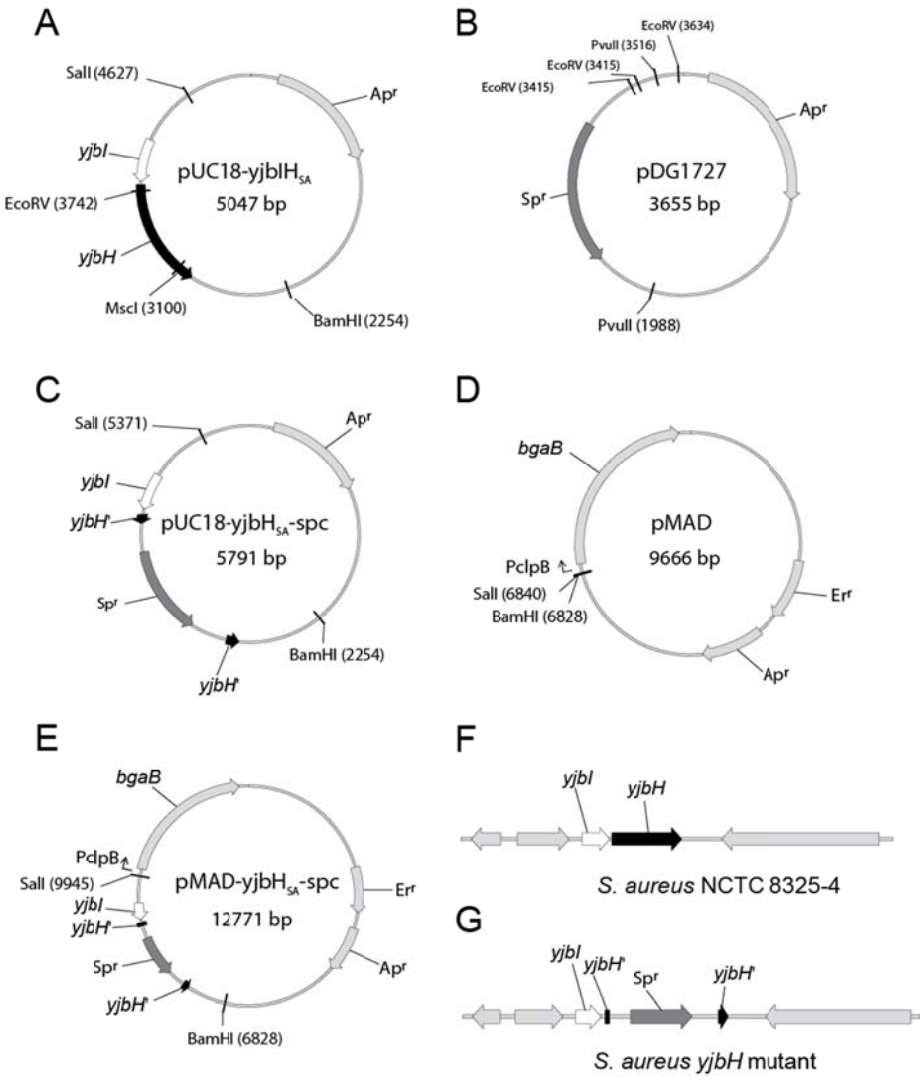

Figure S3.

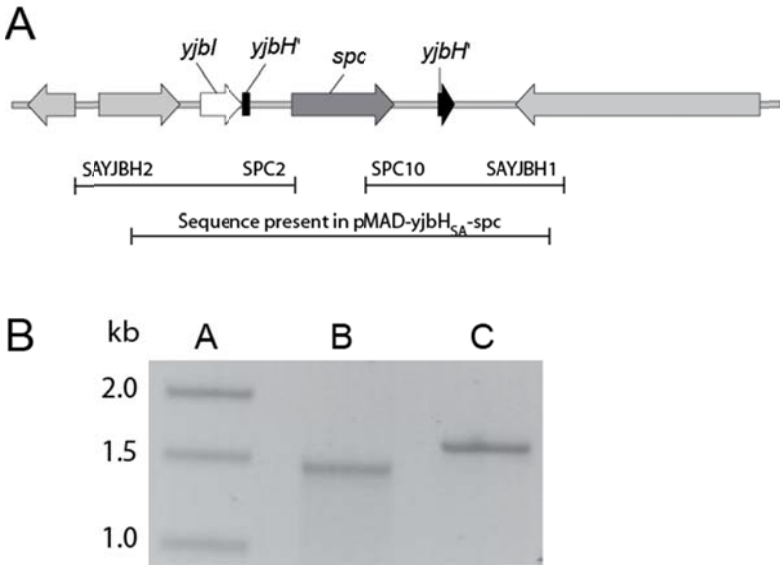

Figure S4.

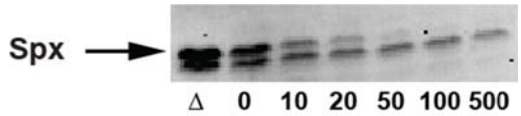

Figure S5.

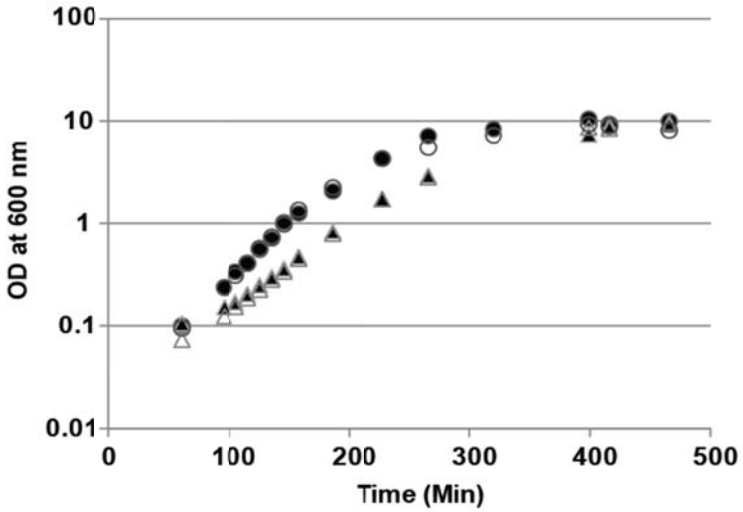

Figure S6.

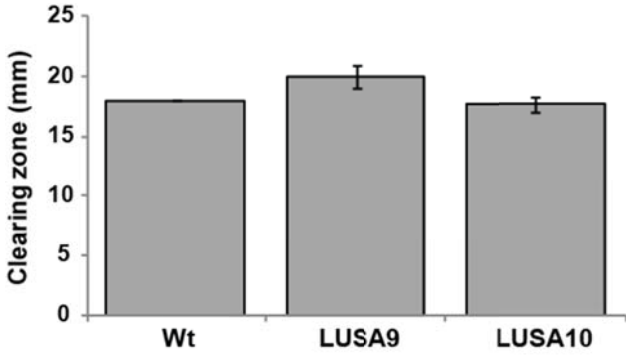

Figure S7.

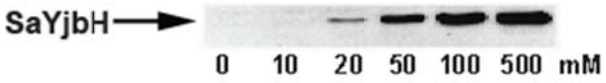

Figure S8.