

Figure S1. The *agr* system.

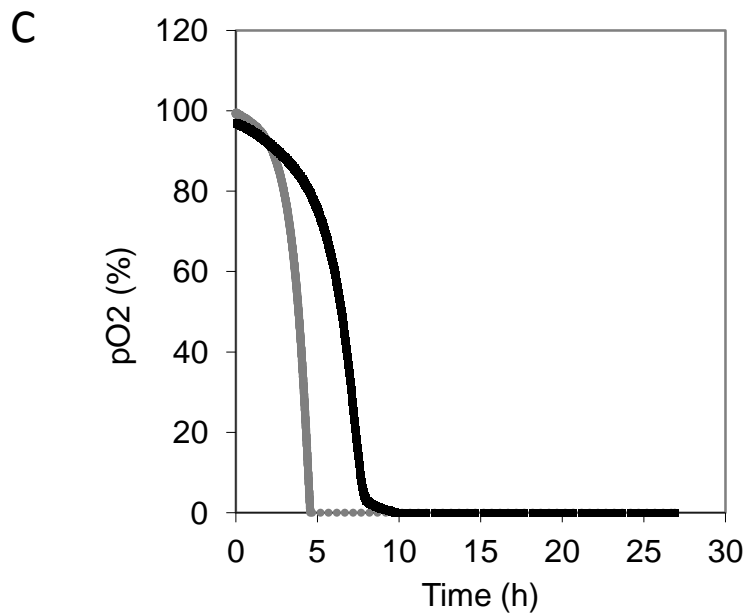
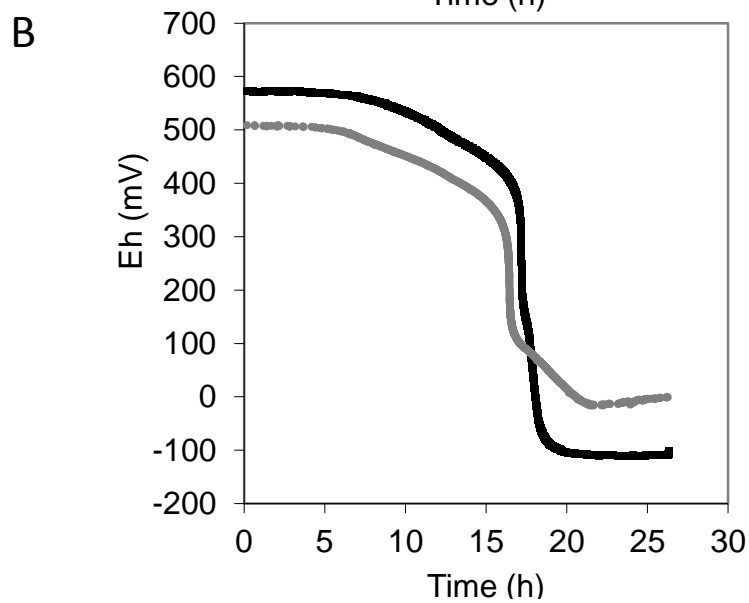
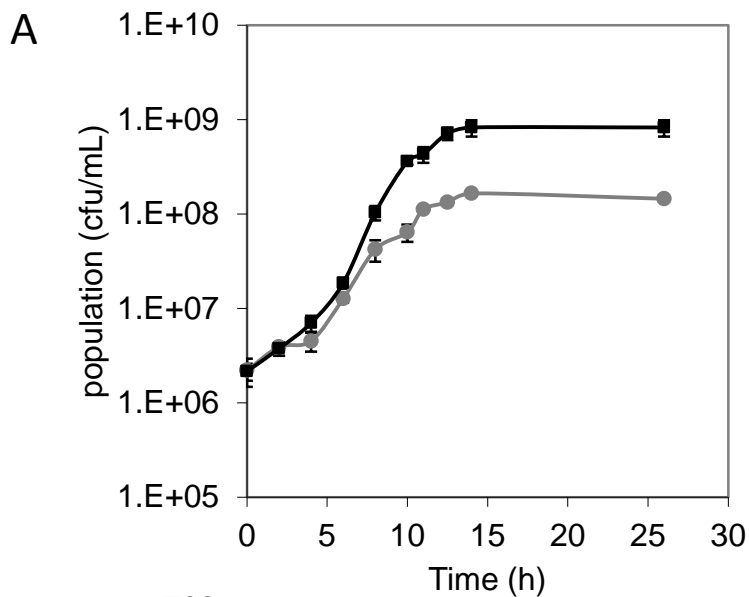


Figure S2. Kinetics of *S. aureus* growth (A), redox potential (Eh) (B) and partial oxygen pressure (pO₂) (C) during cultures of *S. aureus* MW2 alone (black squares) or in mixed cultures with *L. lactis* LD61 (grey circles), under the reference conditions with the addition of potassium ferricyanide.

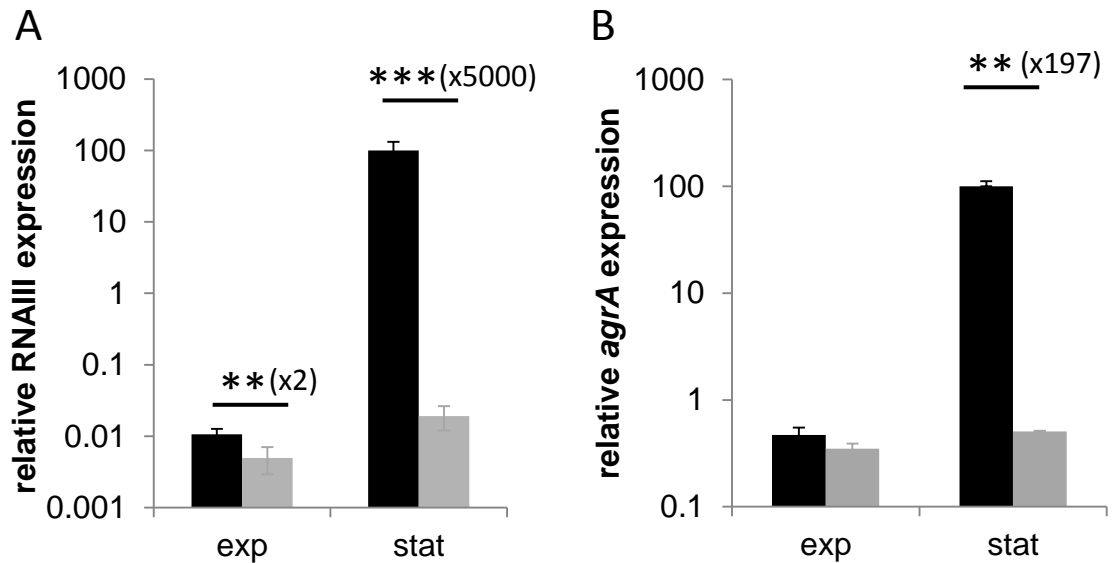


Figure S3. Expressions of RNAIII and *agrA* in *S. aureus* MW2 *srrA* in pure culture (black) and mixed culture with *L. lactis* LD61 (grey) under the reference conditions. The expressions of RNAIII (A) and *agrA* (B) were determined by qRT-PCR during exponential (exp), and stationary (stat) phases of growth and were expressed relative to those of RNAIII and *agrA* in the stationary phase in pure culture (100%), respectively. Significant changes of expression in pure vs. mixed cultures were determined for each time point using one-way analysis of variance, and are indicated by asterisks. **: P<0.01; ***: P<0.001.

Table S1. List of primers used in the study

Primer name	Sequence (5'→3') ^a	Comments
BoxA2-srrAB-F- BamH1	GGAGGATCCGAAGTGAAAGCCCTAG AAAAAGGT	Amplification of BoxA2 in <i>S. aureus</i> MW2
BoxA2-srrAB-R- XhoI	ATCAGCAAGTACGCGATGTGCTCGAG CTATTGGCCATTACTTGCTTCATGG	Amplification of BoxA2 in <i>S. aureus</i> MW2
BoxB2-srrAB-F- XhoI	CCATGAAGCAAGTAATGGCCAATAG <u>CTCGAGCACATCGCGTACTTGCTGAT</u>	Amplification of BoxB2 in <i>S. aureus</i> MW2
BoxB2-srrAB-R- BglII	AGA <u>AGATCTTCATCA</u> ACCCACCAGGA TTT	Amplification of BoxB2 in <i>S. aureus</i> MW2
srrAB-up	AGACGATGAAGAAATGGATGCT	Validation of <i>srrA</i> deletion
srrAB-down	GTACCTTGTTTACCTCGCGTTC	Validation of <i>srrA</i> deletion

^a restriction sites are underlined. Position of the stop codon inserted in the *srrA* sequence is indicated in bold.