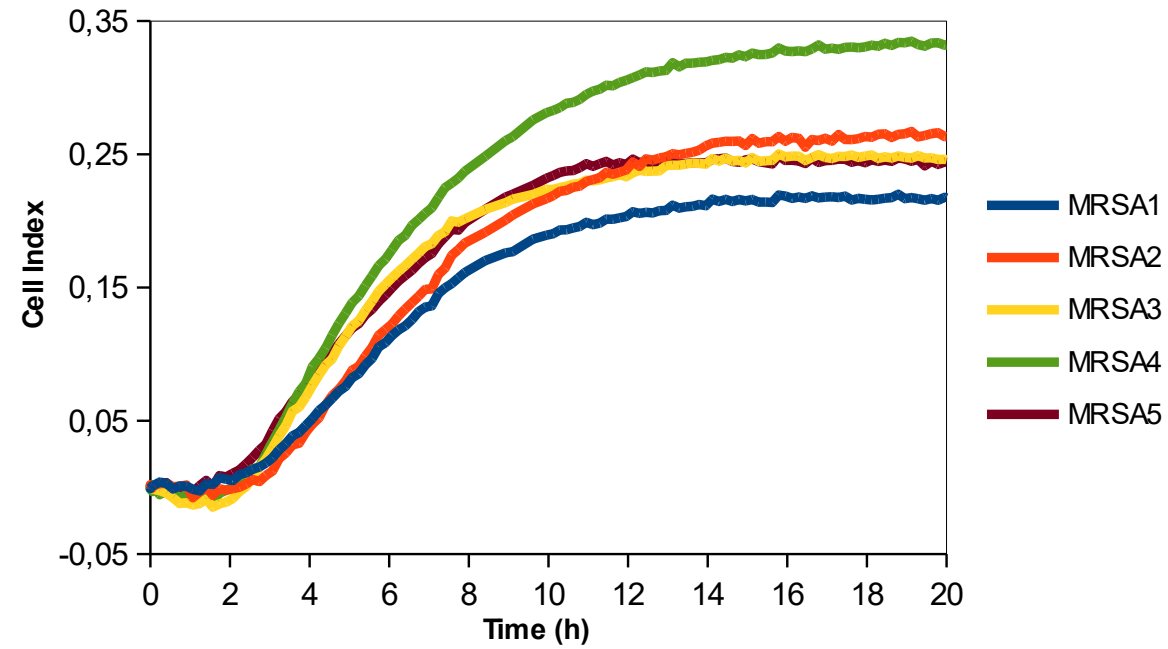


**Supplementary Table 1.** Characteristics of the bacterial strains used in this study.

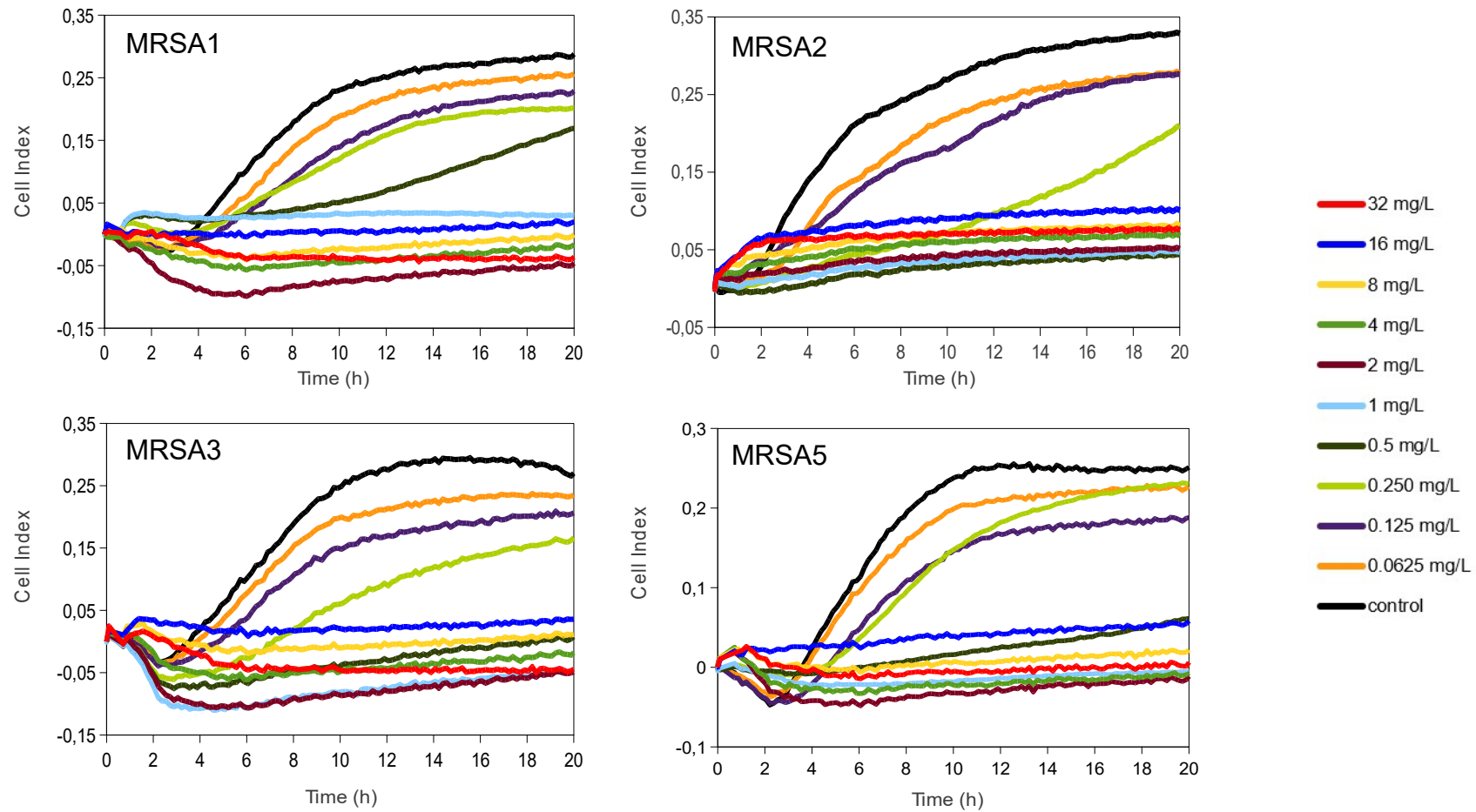
<b>Strain</b>	<b>Species</b>	<b>Relevant properties</b>	<b>Source or reference</b>
<b>43040</b>	<i>S. epidermidis</i>	Clinical isolate from catheter related bacteremia	Ferrer et al., 2016
<b>240</b>	<i>S. aureus</i>	Reference strain for antibiotic test	Human lesion isolated by FDA
<b>MRSA1</b>	<i>S. aureus</i>	Clinical isolate from catheter related bacteremia	This study
<b>MRSA2</b>	<i>S. aureus</i>	Clinical isolate from catheter related bacteremia	This study
<b>MRSA3</b>	<i>S. aureus</i>	Clinical isolate from catheter related bacteremia	This study
<b>MRSA4</b>	<i>S. aureus</i>	Clinical isolate from catheter related bacteremia	This study
<b>MRSA5</b>	<i>S. aureus</i>	Clinical isolate from catheter related bacteremia	This study

**Supplementary Table 2.** Minimum inhibitory concentration (MIC) values of vancomycin, linezolid, cloxacillin and rifampicin measured by the standard E-test protocols and expressed as mg/L. S and R in the table indicate if the strain was considered susceptible or resistant according to EUCAST guidelines.

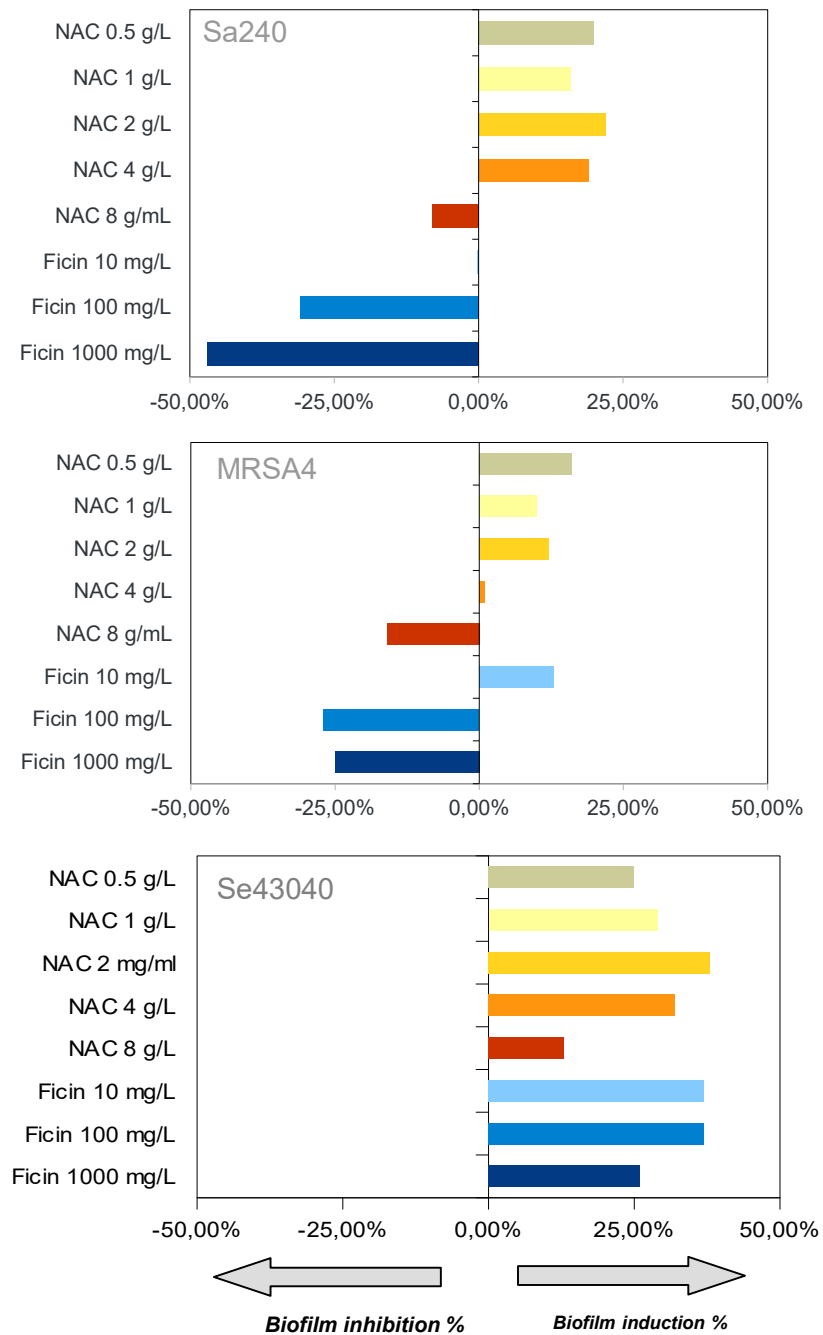
	<b>VANCOMYCIN</b>	<b>LINEZOLID</b>	<b>CLOXACILLIN</b>	<b>RIFAMPICIN</b>
<b>SA240</b>	0.75 S	0.75 S	0.25 S	0.5 S
<b>MRSA4</b>	1 S	0.5 S	>2 R	0.006 S
<b>SE43030</b>	2S	0.19 S	>32 R	0.5 S



**Supplementary Figure 1.** Biofilm growth dynamics of methicillin resistant *S. aureus* strains (MRSA). Bacteria were grown on TSB supplemented with 0.25% glucose at 37°C. The Cell Index values are measured by impedance in an xCELLigence equipment and correlate with total biofilm mass. Data are the means of two replicates per strain.



**Supplementary Figure 2.** Dalbavancin effect on bacterial biofilms in methicillin resistant *S. aureus* MRSA1, MRSA2, MRSA3 and MRSA5 strains. Dalbavancin was added from the beginning of the experiment at the concentrations indicated in the legend. Bacteria were grown on TSB supplemented with 0.25% glucose at 37°C. Data are the means of two replicates per strain.



**Supplementary Figure 3.** Effect of anti-biofilm compounds NAC and ficin on biofilm growth of *S. aureus* strains Sa240 (A) and MRSA4 (B) and *S. epidermidis* 43040 (C) after 20h of biofilm growth. Biofilm detaching molecules were added at the beginning of the experiment at the concentrations indicated in the Y axis. Each bar represents the percentage of biofilm inhibition/induction compared to an untreated control. Biofilm growth was determined by impedance values in an xCELLigence equipment. All obtained values were statistically significant (n=5 per treatment, t-test,  $p < 0.05$ ).