

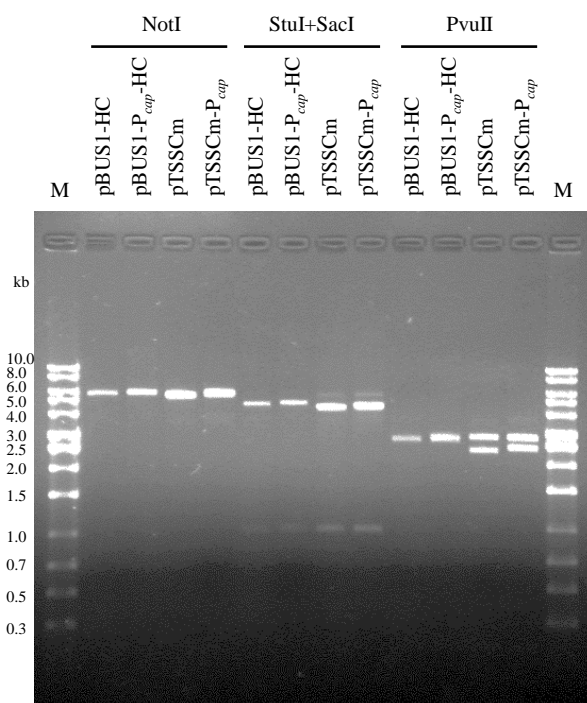
Table S1. Antimicrobial susceptibility of *S. aureus* and *E. coli* strains to erythromycin, determined using broth microdilution

Strain	Antibiotic resistance gene <sup>a</sup>	MIC of erythromycin (µg/ml)	Reference
<i>S. aureus</i> /vector			
RN4220/pBUS1	<i>tet(L)</i>	≤0.5	(1)
RN4220/pBUS1-P <sub>cap</sub>	<i>tet(L)</i>	≤0.5	This study
RN4220/pBUS1-P <sub>cap</sub> -HC	<i>tet(L)</i>	≤0.5	This study
RN4220/pTSSC-P <sub>cap</sub>	<i>tet(L)</i>	≤0.5	This study
RN4220/pTSSCm-P <sub>cap</sub>	<i>tet(L)</i>	≤0.5	This study
RN4220/pJW13	<i>tet(L)</i> , <i>erm(44)</i>	>256	(2)
RN4220/pJW13-HC	<i>tet(L)</i> , <i>erm(44)</i>	>256	This study
RN4220/pTJW13	<i>tet(L)</i> , <i>erm(44)</i>	>256	This study
RN4220/pJW13-RGS-His	<i>tet(L)</i> , <i>erm(44)-rgs-his<sub>6</sub></i>	>256	This study
RN4220/pJW13-HC-RGS-His	<i>tet(L)</i> , <i>erm(44)-rgs-his<sub>6</sub></i>	>256	This study
RN4220/pTJW13-RGS-His	<i>tet(L)</i> , <i>erm(44)-rgs-his<sub>6</sub></i>	>256	This study
<i>E. coli</i> /vector			
AG100A/pBUS1	<i>tet(L)</i>	4	(1); this study
AG100A/pBUS1-P <sub>cap</sub>	<i>tet(L)</i>	4	This study
AG100A/pBUS1-P <sub>cap</sub> -HC	<i>tet(L)</i>	4	This study
AG100A/pJW13	<i>tet(L)</i> , <i>erm(44)</i>	64	This study
AG100A/pJW13-HC	<i>tet(L)</i> , <i>erm(44)</i>	64	This study
AG100A/pJW13-RGS-His	<i>tet(L)</i> , <i>erm(44)-rgs-his<sub>6</sub></i>	64	This study
AG100A/pJW13-HC-RGS-His	<i>tet(L)</i> , <i>erm(44)-rgs-his<sub>6</sub></i>	64	This study
AG100/pTSSC-P <sub>cap</sub>	<i>tet(L)</i>	64	This study
AG100/pTSSCm-P <sub>cap</sub>	<i>tet(L)</i>	64	This study
AG100/pTJW13	<i>tet(L)</i> , <i>erm(44)</i>	>256	This study
AG100/pTJW13-RGS-His	<i>tet(L)</i> , <i>erm(44)-rgs-his<sub>6</sub></i>	>256	This study

<sup>a</sup> Antibiotic resistance genes: *erm(44)*, macrolide-lincosamide-streptogramin B rRNA methylase gene; *erm(44)-rgs-his<sub>6</sub>*, *erm(44)* with CSRGSHHHHHH codons fused to the 3' end of the gene; *tet(L)* tetracycline efflux gene.

## REFERENCES

1. **Rossi J, Bischoff M, Wada A, Berger-Bächi B.** 2003. MsrR, a putative cell envelope-associated element involved in *Staphylococcus aureus sarA* attenuation. Antimicrob. Agents Chemother. **47**:2558-2564.
2. **Wipf JRK, Schwendener S, Perreten V.** 2014. The novel macrolide-lincosamide-streptogramin B resistance gene *erm(44)* is associated with a prophage in *Staphylococcus xylosus*. Antimicrob. Agents Chemother. **58**:6133-6138.



**FIG. S1.** Restriction digestion pattern of the shuttle vectors isolated from *S. aureus* RN4220. Fifty nanograms (pBUS1-HC, pBUS1-P<sub>cap</sub>-HC) or 100 ng (pTSSCm and pTSSCm-P<sub>cap</sub>) of the double-stranded DNA was used for restriction digest. The vectors were linearized using NotI. The presence of the 1-kb fragment containing *rrnB*(T1)<sub>5</sub> was confirmed after StuI and SacI digestion. The PvuII-cleavage products were 0.2 kb, 2.7 kb and 2.7 kb for pBUS1-HC; 0.2 kb, 2.7 kb and 2.8 kb for pBUS1-P<sub>cap</sub>-HC; 0.2 kb, 2.3 kb and 2.8 kb for pTSSCm; and 0.2, 2.4 and 2.8 kb for pTSSCm-P<sub>cap</sub>. M: 1 kb DNA ladder (Solis BioDyne).