

***Staphylococcus aureus* - NRS141**
Other designations (NCTC8325 (RN3214))

Demographic Information:	
Country/State:	N/A
Patient Age:	N/A
Patient Location:	N/A
Culture Source:	
Phenotypic Properties:	Resistances to neomycin/kanamycin and to bleomycin
Genotypic Properties:	rsbU-
Lysotypic Properties:	N/A
Propagation Information:	any rich medium, supplemented with kanamycin, 50 ug/ml
Literature Citation:	McKenzie, T., Hoshino T., Tanaka T., and Sueoka N. The nucleotide sequence of pUB110: some salient features in relation to replication and its regulation. Plasmid 1986;15:93-103. Novick, R.P. "Staphylococcal plasmids and their replication." Ann. Rev. Microbiol. 1989;43:537-565.
Comment:	N/A
Description:	pUB110 is a naturally-occurring Skb rolling circle plasmid encoding resistances to aminoglycosides (neomycin & kanamycin) and to bleomycin. It belongs to the pc194 family. It replicates more efficiently in <i>Bacillus subtilis</i> than in <i>S. aureus</i> .
Repositories:	Research Strains

S = Susceptible; R = Resistant; NS = Not Susceptible; I = Intermediate; N/A = Not Available P= Pending results

NARSA Antimicrobial Profile for Other Antimicrobial Agents			Molecular Characterization Data	
Drug	$\mu\text{g/mL}$ MIC (pp/ml)	CLSI Interprtn	PCR	Result
			<i>mecA</i>	NEGATIVE
Amikacin	> 128	R		
Ciprofloxacin	= 0.5	S		
Clindamycin	= 0.06	S		
Erythromycin	= 0.25	S		
Gentamicin	= 0.5	S		
Linezolid	= 1	S		
Oxacillin	= 0.25	S		
Penicillin	<= 0.03	S		
Quinupristin/dalfopristin	= 0.25	S		
Teicoplanin	= 0.5	S		
Trimeth/sulfa	<= 0.25/4.75	S		
Vancomycin	= 1	S		

Genotype Data	
Genotype	Result
eGenomic <i>spa</i> type	59

eGenomic <i>spa</i> repeats	YHGGFMBQBLO
Ridom <i>spa</i> type	t211
SCC<i>mec</i> type	-
Clonal Complex (CC)	8
Sequence Type (ST)	8
Genotype Data file	