

Supplemental Table S5. Oligos used for genome editing of *S. aureus* RN4220

Oligonucleotide name	Oligonucleotide sequence	Notes
Gibson_for_ SACOL1927	PO <sub>4</sub> -agctcCCAGCAATGGCTTCTACGTTG	targets PAM internal to SACOL1927 deletion
Gibson_rev_ SACOL1927	PO <sub>4</sub> -aaaacAACGTAGAAGCCATTGCTGGG	targets PAM internal to SACOL1927 deletion
90bp_sav_del	A*T*A*T*TATGAAATGAGTGAAGTATG GACTGCAACACATATCTTCGCATCATAGA GGTATCACGCATTCCATCCCTTTCACAATACT	90bp probe with 4 5' phosphothiorate bonds to introduce 146 bp deletion in SACOL1927 gene, asterisks - phosphothiorate bonds
sav_for	GGATTGGTCGTTTGTTCGC	Oligo for PCR SACOL1927 gene fragment
sav_rev	TGAAATGGGTTGGTTCAC	Oligo for PCR SACOL1927 gene fragment