

Supplemental table S1: Full array hybridisation and PCR results of the hedgehog isolates from this study and, for comparison, of CC130-MRSA-XI isolates from [7].

Target (Description)	Target (Symbol)	Method (Reference)	DSH_M10/0061	DSH_M10/148	V583/03	V5406/11
BACKGROUND	reference	[7]	Human Ireland	Human Ireland	This study	This study
TYPING DATA	spo typing	PCR & Sequencing [27]			undefined	1843
	MLST typing	PCR & Sequencing [26]	ST130 6:57-45-2-7-58-52	ST3764 6:57-45-2-7-58-52	ST130 6:57-45-2-7-58-52	ST130 6:57-45-2-7-58-52
SPECIES MARKER	Domain 1 of 23S rRNA	<i>rrnD1 (S. aureus)</i>	Array [22]	POS	POS	POS
	glycerol 3-phosphate dehydrogenase, locus 1	<i>gapA</i>	Array [22]	POS	POS	POS
	Jahalase A	<i>hdaA</i>	Array [22]	POS	POS	POS
	coagulase	<i>coaA</i>	Array [22]	POS	POS	POS
	thermostable extracellular nuclease	<i>nuc1</i>	Array [22]	POS	POS	POS
	staphylococcal protein A	<i>spa</i>	Array [22]	POS	POS	POS
	Ugc-binding protein	<i>uicB</i>	Array [22]	POS	POS	POS
REGULATORY GENES	staphylococcal accessory regulator A	<i>sarA</i>	Array [22]	POS	POS	POS
	histidine protein kinase, <i>sae</i> locus	<i>saeS</i>	Array [22]	POS	POS	POS
	sensor protein	<i>saeS</i>	Array [22]	POS	POS	POS
	accessory gene regulator allele I	<i>sarr1 (total)</i>	Array [22]	NEG	NEG	NEG
	accessory gene regulator allele II	<i>sarr1 (total)</i>	Array [22]	NEG	NEG	NEG
	accessory gene regulator allele III	<i>sarr1 (total)</i>	Array [22]	POS	POS	POS
	accessory gene regulator allele IV	<i>sarr1 (total)</i>	Array [22]	NEG	NEG	NEG
	haemolysin <i>hlyA</i>	<i>hlyA</i>	Array [22]	POS	POS	POS
METHICILLIN RESISTANCE AND SCCmec TYPING	alternate penicillin binding protein 2, defining MRSA	<i>mecA</i>	Array [22], Array [2]	NEG	NEG	NEG
	mec alternate penicillin binding protein 2 from SCCmec XI	<i>mecC</i>	Array [22], see Table 1,	POS	POS	POS
	truncated signal transducer protein MecR1	<i>delta_mecR</i>	Array [2], PCR, Sequencing	NEG	NEG	NEG
	glycerophosphoryl diester phosphodiesterase, associated with mecA	<i>ugdP</i>	Array [22]	NEG	NEG	NEG
	cassette chromosome recombinase genes A/B1	<i>ccrA-1</i>	Array [22]	NEG	NEG	NEG
	cassette chromosome recombinase genes A/B2	<i>ccrB-1</i>	Array [22]	NEG	NEG	NEG
	cassette chromosome recombinase gene A1 from SCCmec	<i>ccrA-1 (SCCmec XI)</i>	PCR [7]	POS	POS	POS
	plasmid sensitive surface protein	<i>plhSCC (COL)</i>	Array [22]	NEG	NEG	NEG
	hypothetical protein from SCCmec elements	<i>GSK968-dis</i>	Array [22]	NEG	NEG	NEG
	cassette chromosome recombinase genes A/B3	<i>ccrA-2</i>	Array [22]	NEG	NEG	NEG
	potassium-translocating ATPase A, chain 2	<i>ccrB-2</i>	Array [22]	NEG	NEG	NEG
	potassium-translocating ATPase A, chain 1	<i>hdpA-SCC</i>	Array [22]	NEG	NEG	NEG
	potassium-translocating ATPase C, chain 2	<i>hdpB-SCC</i>	Array [22]	NEG	NEG	NEG
	sensor kinase protein	<i>hdpD-SCC</i>	Array [22]	NEG	NEG	NEG
	KDP operon transcriptional regulatory protein	<i>hdpE-SCC</i>	Array [22]	NEG	NEG	NEG
	Phenol soluble modulins associated with SCCmec elements	<i>PSM-mec</i>	PCR [24]	NEG	NEG	NEG
	methicillin resistance regulatory protein	<i>mecI</i>	Array [22]	NEG	NEG	NEG
	signal transducer protein MecR1	<i>mecR</i>	Array [22]	NEG	NEG	NEG
	homolog of xylose repressor, associated with SCCmec elements	<i>xyfR</i>	Array [22]	NEG	NEG	NEG
	cassette chromosome recombinase genes A/B3	<i>ccrA-3</i>	Array [22]	NEG	NEG	NEG
	cassette chromosome recombinase genes A/B4	<i>ccrB-3</i>	Array [22]	NEG	NEG	NEG
	cassette chromosome recombinase gene B3 from SCCmec XI	<i>ccrB-3 (SCCmec XI)</i>	PCR [7]	POS	POS	POS
	mercury resistance operon	<i>merA</i>	Array [22]	NEG	NEG	NEG
	arsenic resistance operon	<i>merB</i>	Array [22]	NEG	NEG	NEG
	cassette chromosome recombinase genes "ccrAA" (hypothetical)	<i>ccrAA</i>	Array [22]	NEG	NEG	NEG
	<i>and ccc</i>	<i>ccc (BS-2082)</i>	Array [22]	NEG	NEG	NEG
	cassette chromosome recombinase genes A/B4	<i>ccrA-4</i>	Array [22]	NEG	NEG	NEG
		<i>ccrB-4</i>	Array [22]	NEG	NEG	NEG
RESISTANCE : PENICILLINASE	beta lactamase	<i>blaZ</i>	Array [22]	NEG	NEG	NEG
	beta lactamase repressor (inhibitor)	<i>blai</i>	Array [22]	NEG	NEG	NEG
	beta lactamase regulatory protein	<i>blar</i>	Array [22]	NEG	NEG	NEG
	beta lactamase from SCCmec XI	<i>blaZ-SCCmec XI</i>	Array [22], see Table 1	POS	POS	POS
RESISTANCE : MLS-ANTIBIOTICS	rRNA methyltransferase, erythromycin/clindamycin resistance	<i>erm(A)</i>	Array [22]	NEG	NEG	NEG
	erythromycin/clindamycin resistance	<i>erm(B)</i>	Array [22]	NEG	NEG	NEG
	lincomamid-nucleotidyltransferase	<i>lnu(A)</i>	Array [22]	NEG	NEG	NEG
	energy dependent efflux of erythromycin	<i>msr(A)</i>	Array [22]	NEG	NEG	NEG
	macrolide efflux protein A	<i>meff(A)</i>	Array [22]	NEG	NEG	NEG
	probable hydroxybutyryl-glycerol synthetase	<i>hbc(C)</i>	Array [22]	NEG	NEG	NEG
	virginiamycin A acetyltransferase	<i>voit(A)</i>	Array [22]	NEG	NEG	NEG
	acetyltransferase inactivating streptogramin A	<i>voit(B)</i>	Array [22]	NEG	NEG	NEG
	ATP binding protein, streptogramin A resistance	<i>voit(B)</i>	Array [22]	NEG	NEG	NEG
	virginiamycin B hydrolase	<i>vgb(A)</i>	Array [22]	NEG	NEG	NEG
RESISTANCE : AMINOGLYOSIDES	bifunctional enzyme <i>Aac/Aph</i> , gentamicin resistance	<i>aacA-aphD</i>	Array [22]	NEG	NEG	NEG
	aminoglycoside adenyltransferase, tobramycin resistance	<i>aadI</i>	Array [22]	NEG	NEG	NEG
	3'S-aminoglycoside phosphotransferase, neo/kanamycin resistance	<i>aphA3</i>	Array [22]	NEG	NEG	NEG
RESISTANCE : MISCELLANEOUS GENES	streptothricin acetyltransferase	<i>sat</i>	Array [22]	NEG	NEG	NEG
	dihydrofolate reductase type 1	<i>dhfr1</i>	Array [22]	NEG	NEG	NEG
	fusidic acid resistance	<i>fusA</i>	Array [22]	NEG	NEG	NEG
	hypothetical protein associated with fusidic acid resistance	<i>fusC (O6G050)</i>	Array [22]	NEG	NEG	NEG
	mupirocin resistance protein	<i>mupA</i>	Array [22]	NEG	NEG	NEG
	tetracycline resistance	<i>tet(K)</i>	Array [22]	NEG	NEG	NEG
	chloramphenicol acetyltransferase	<i>cat (total)</i>	Array [22]	NEG	NEG	NEG
		<i>cat (spC21)</i>	Array [22]	NEG	NEG	NEG
		<i>cat (spC22)</i>	Array [22]	NEG	NEG	NEG
		<i>cat (pAMC24/pC194)</i>	Array [22]	NEG	NEG	NEG
		<i>cat (pSBK203R)</i>	Array [22]	NEG	NEG	NEG
	7S5 rRNA methyltransferase	<i>trf</i>	Array [22]	NEG	NEG	NEG
	chloramphenicol/tetracycline exporter	<i>tetA</i>	Array [22]	NEG	NEG	NEG
	metallothionein transferase	<i>mtxB</i>	Array [22]	NEG	NEG	NEG
RESISTANCE : EFFLUX SYSTEMS	quaternary ammonium compound resistance protein A	<i>qacA</i>	Array [22]	NEG	NEG	NEG
	quaternary ammonium compound resistance protein C	<i>qacC (total)</i>	Array [22]	NEG	NEG	NEG
		<i>qacC (consensus)</i>	Array [22]	NEG	NEG	NEG
		<i>qacC (equine)</i>	Array [22]	NEG	NEG	NEG
		<i>qacC (S45)</i>	Array [22]	NEG	NEG	NEG
		<i>qacC (Stax)</i>	Array [22]	NEG	NEG	NEG
		<i>qacC (ST94)</i>	Array [22]	NEG	NEG	NEG
	transport/efflux protein	<i>sdhM</i>	Array [22]	POS	POS	POS
RESISTANCE : GLYCOPETIDES	vancomycin resistance gene	<i>vanA</i>	Array [22]	NEG	NEG	NEG
	vancomycin resistance gene from enterococci and Clostridium	<i>vanB</i>	Array [22]	NEG	NEG	NEG
	Tecoplanin resistance gene from enterococci	<i>vanZ</i>	Array [22]	NEG	NEG	NEG
VIROLENCE : TOX.SCHOCK.TOXIN	toxic shock syndrome toxin 1	<i>tst1 (consensus)</i>	Array [22]	NEG	NEG	NEG
		<i>tst1 ("human" allele)</i>	Array [22]	NEG	NEG	NEG
		<i>tst1 ("bovine" allele)</i>	Array [22]	NEG	NEG	NEG
VIROLENCE : ENTEROTOXINS	enterotoxin A	<i>sea</i>	Array [22]	NEG	NEG	NEG
	enterotoxin A, allele from strain 320E	<i>sea (320E)</i>	Array [22]	NEG	NEG	NEG
	enterotoxin A, allele from strain N315 - enterotoxin P	<i>sea (N315) / sep</i>	Array [22]	NEG	NEG	NEG
	enterotoxin B	<i>seb</i>	Array [22]	NEG	NEG	NEG
	enterotoxin C	<i>sec</i>	Array [22]	NEG	NEG	NEG
	enterotoxin D	<i>sed</i>	Array [22]	NEG	NEG	NEG
	enterotoxin E	<i>see</i>	Array [22]	NEG	NEG	NEG
	enterotoxin G	<i>seg</i>	Array [22]	NEG	NEG	NEG
	enterotoxin H	<i>seh</i>	Array [22]	NEG	NEG	NEG
	enterotoxin I	<i>sei</i>	Array [22]	NEG	NEG	NEG
	enterotoxin J	<i>sej</i>	Array [22]	NEG	NEG	NEG
	enterotoxin K	<i>sek</i>	Array [22]	NEG	NEG	NEG
	enterotoxin L	<i>sel</i>	Array [22]	NEG	NEG	NEG
	enterotoxin M	<i>selm</i>	Array [22]	NEG	NEG	NEG
	enterotoxin N	<i>seln (consensus)</i>	Array [22]	NEG	NEG	NEG
		<i>seln (other than RF122)</i>	Array [22]	NEG	NEG	NEG
	enterotoxin O	<i>selo</i>	Array [22]	NEG	NEG	NEG
	enterotoxin Q	<i>selq</i>	Array [22]	NEG	NEG	NEG
	enterotoxin R	<i>selr</i>	Array [22]	NEG	NEG	NEG
	Enterotoxin U and/or V	<i>selu/y</i>	Array [22]	NEG	NEG	NEG
	enterotoxin-like protein ORF CM14	<i>ORF CM14</i>	Array [22]	NEG	NEG	NEG
VIROLENCE : HLG AND LEUKOCIDINS	haemolysin gamma / leukocidin, component B	<i>hlyB</i>	Array [22]	POS	POS	POS
	haemolysin gamma / leukocidin, component C	<i>hlyC</i>	Array [22]	POS	POS	POS
	haemolysin gamma, component A	<i>hlyA</i>	Array [22]	POS	POS	POS
	Panton Valentine leukocidin F component	<i>lukF-PV</i>	Array [22]	NEG	NEG	NEG
	Panton Valentine leukocidin S component	<i>lukS-PV</i>	Array [22]	NEG	NEG	NEG
	F component from hypothetical leukocidin from ruminants	<i>lukF-PV (PB3)</i>	Array [22]	NEG	NEG	NEG
	S component from hypothetical leukocidin from ruminants	<i>lukM</i>	Array [22]	NEG	NEG	NEG
	leukocidin D component	<i>lukD</i>	Array [22]	POS	POS	POS
	leukocidin E component	<i>lukE</i>	Array [22]	NEG	NEG	NEG
	leukocidin/haemolysin toxin family protein	<i>lukK</i>	Array [22]	POS	POS	POS
	leukocidin/haemolysin toxin family protein	<i>lukY</i>	Array [22]	POS	POS	POS
		<i>lukY (ST70-5745)</i>	Array [22]	NEG	NEG	NEG
VIROLENCE : HAEMOLYSINS	putative membrane protein	<i>hly</i>	Array [22]	POS	POS	POS
	haemolysin alpha	<i>hlyA</i>	Array [22]	POS	POS	POS
	putative membrane protein	<i>hlyII (consensus)</i>	Array [22]	POS	POS	POS
		<i>hlyII (other than RF122)</i>	Array [22]	NEG	NEG	NEG
	haemolysin beta	<i>hlyB (probe 1)</i>	Array [22]	POS	POS	POS
		<i>hlyB (probe 2)</i>	Array [22]	POS	POS	POS
		<i>hlyB (probe 3)</i>	Array [22]	POS	POS	POS
		<i>un-identified hly</i>	Array [22]	POS	POS	POS
VIROLENCE : HLB-CONV PHAGES	staphylokinase	<i>stx</i>	Array [22]	NEG	NEG	NEG
	chemotaxis-inhibiting protein (CHIPS)	<i>chp</i>	Array [22]	NEG	NEG	NEG
	staphylococcal complement inhibitor	<i>sci</i>	Array [22]	NEG	NEG	NEG
VIROLENCE : EXFOLYTOXINS	exfoliative toxin serotype A	<i>etA</i>	Array [22]	NEG	NEG	NEG
	exfoliative toxin serotype B	<i>etB</i>	Array [22]	NEG	NEG	NEG
	exfoliative toxin D	<i>etD</i>	Array [22]	NEG	NEG	NEG
	putative exfoliative toxin homologue	<i>etD2</i>	Array [22]	NEG	NEG	NEG
VIROLENCE : EPIDERMAL CELL DIFF. INHIBITOR	epidermal cell differentiation inhibitor	<i>edfA</i>	Array [22]	NEG	NEG	NEG
	epidermal cell differentiation inhibitor B	<i>edfB</i>	Array [22]	POS	POS	POS
	epidermal cell differentiation inhibitor C	<i>edfC</i>	Array [22]	NEG	NEG	NEG
VIROLENCE : ACME LOCUS	ACME locus	<i>acmE (total)</i>	Array [22]	NEG	NEG	NEG
	ACME locus: arginine dihydrolase	<i>arcA-SCC</i>	Array [22]	NEG	NEG	NEG
	ACME locus: ornithine carbamoyltransferase	<i>arcB-SCC</i>	Array [22]	NEG	NEG	NEG
	ACME locus: carboxymethylase	<i>arcC-SCC</i>	Array [22]	NEG	NEG	NEG
	ACME locus: arginine/ornithine transporter	<i>arcD-SCC</i>	Array [22]	NEG	NEG	NEG

Target (Description)	Target (Symbol)	Method (Reference)	DSH_M10/0061	DSH_M10/148	V588/03	V5406/11	
VIRULENCE : PROTEASES	aur (consensus)	Array (22)	POS	POS	POS	POS	
	aur (other than MRSA252)	Array (22)	POS	NEG	POS	POS	
	aur (MRSA252)	Array (22)	POS	POS	NEG	NEG	
	serin protease A	spIA	Array (22)	POS	NEG	POS	
	serin protease B	spIB	Array (22)	POS	NEG	POS	
	serin protease E	spIE	Array (22)	POS	NEG	POS	
	glutamylendopeptidase	spIA	Array (22)	POS	POS	POS	
	staphopain B, protease	spII	Array (22)	POS	POS	POS	
	staphopain A (staphylopan A), protease	spII (consensus)	Array (22)	POS	POS	POS	
	spII (other than ST93)	Array (22)	POS	POS	POS	POS	
VIRULENCE : STAPHYLOCOCCAL SUPERANTIGEN / ENTEROTOXIN-LIKE GENES (SET/SEA)	staphyl_ exotoxinlike protein	setC (=setD)	Array (22)	POS	POS	POS	
	staphylococcal superantigenic protein 1	ss01/set1 (COL)	Array (22)	POS	NEG	NEG	
		ss01/set1 (MRSA252)	Array (22)	POS	NEG	NEG	
		ss01/set6 (MW2+MSSA476)	Array (22)	NEG	NEG	NEG	
		ss01/set6 (MRSA252)	Array (22)	NEG	NEG	NEG	
		ss01/set6 (RF122)	Array (22)	NEG	NEG	NEG	
		ss01/set6 (other alleles)	Array (22)	NEG	NEG	NEG	
	staphylococcal superantigenic protein 2	ss02/set7	Array (22)	POS	POS	POS	
		ss02/set7 (MRSA252)	Array (22)	POS	NEG	NEG	
	staphylococcal superantigenic protein 3	ss03/set8_probe 1	Array (22)	POS	POS	POS	
	ss03/set8_probe 2	Array (22)	POS	POS	POS		
	ss03/set8 (MRSA252_SAR0424)	Array (22)	POS	NEG	NEG		
staphylococcal superantigenic protein 4	ss04/set9	Array (22)	POS	POS	POS		
	ss04/set9 (MRSA252_SAR0425)	Array (22)	POS	AMB	NEG		
staphylococcal superantigenic protein 5	ss05/set3_probe 1	Array (22)	POS	NEG	NEG		
	ss05/set3 (RF122_probe-611)	Array (22)	POS	POS	POS		
	ss05/set3_probe 2 (612)	Array (22)	POS	AMB	POS		
	ss05/set3 (MRSA252)	Array (22)	POS	NEG	NEG		
staphylococcal superantigenic protein 6	ss06/set1	Array (22)	POS	NEG	NEG		
	ss06 (NCTC8325+MW2)	Array (22)	POS	NEG	NEG		
staphylococcal superantigenic protein 7	ss07/set7	Array (22)	POS	POS	POS		
	ss07/set7 (MRSA252)	Array (22)	POS	AMB	AMB		
	ss07/set1 (AF188836)	Array (22)	POS	AMB	AMB		
staphylococcal superantigenic protein 8	ss08/set12_probe 1	Array (22)	POS	POS	POS		
	ss08/set12_probe 2	Array (22)	POS	POS	POS		
staphylococcal superantigenic protein 9	ss09/set5_probe 1	Array (22)	POS	POS	POS		
	ss09/set5_probe 2	Array (22)	POS	POS	POS		
	ss09/set5 (MRSA252)	Array (22)	POS	NEG	NEG		
staphylococcal superantigenic protein 10	ss10/set4	Array (22)	POS	POS	POS		
	ss10 (RF122)	Array (22)	POS	AMB	AMB		
	ss10/set4 (MRSA252)	Array (22)	POS	AMB	NEG		
staphylococcal superantigenic protein 11	ss11/set2 (COL)	Array (22)	POS	NEG	NEG		
	ss11+set2(Mu50+H315)	Array (22)	POS	NEG	NEG		
	ss11+set2(MW2+MSSA476)	Array (22)	POS	NEG	NEG		
	ss11/set2 (MRSA252)	Array (22)	POS	NEG	NEG		
staphylococcal exotoxinlike protein, second locus	setB	Array (22)	POS	POS	POS		
	setB2 (MRSA252)	Array (22)	POS	NEG	NEG		
	setB2	Array (22)	POS	POS	POS		
	setB2 (MRSA252)	Array (22)	POS	NEG	NEG		
CAPSULE AND BIOFILM-ASSOCIATED GENES	capsule type 1	cap 1 (total)	Array (22)	NEG	NEG	NEG	
	capsule type 5	cap 5 (total)	Array (22)	NEG	NEG	NEG	
	capsule type 8	cap 8 (total)	Array (22)	POS	POS	POS	
	intercellular adhesion protein A	icaA	Array (22)	POS	POS	POS	
	intercellular adhesion protein C	icaC	Array (22)	POS	POS	POS	
	biofilm PII synthesis protein D	icaD	Array (22)	POS	POS	POS	
	surface protein involved in biofilm formation	isp	Array (22)	NEG	NEG	NEG	
	ADHESION FACTORS / GENES ENCODING MICROBIAL SURFACE COMPONENTS RECOGNIZING ADHESIVE MATRIX MOLECULES (MSCRAMM GENES)	bone sialoproteinbinding protein	bbp (total)	Array (22)	POS	POS	POS
			bbp (consensus)	Array (22)	POS	NEG	NEG
			bbp (COL+MW2)	Array (22)	NEG	NEG	NEG
		bbp (MRSA252)	Array (22)	NEG	NEG	NEG	
		bbp (Mu50)	Array (22)	AMB	POS	POS	
		bbp (RF122)	Array (22)	NEG	NEG	NEG	
		bbp (ST45)	Array (22)	NEG	NEG	NEG	
clumping factor A		cfa (total)	Array (22)	POS	POS	POS	
		cfa (consensus)	Array (22)	POS	POS	POS	
		cfa (COL+RF122)	Array (22)	POS	AMB	AMB	
	cfa (MRSA252)	Array (22)	POS	AMB	AMB		
	cfa (Mu50+MW2)	Array (22)	POS	AMB	AMB		
clumping factor B	cfb (total)	Array (22)	POS	POS	POS		
	cfb (consensus)	Array (22)	POS	POS	POS		
	cfb (COL+Mu50)	Array (22)	POS	NEG	NEG		
	cfb (MW2)	Array (22)	POS	AMB	AMB		
	cfb (RF122)	Array (22)	POS	AMB	AMB		
collagen binding adhesion	cbn	Array (22)	NEG	NEG	NEG		
cell wall associated fibronectinbinding protein	ebh (consensus)	Array (22)	POS	POS	POS		
cell surface elastin binding protein	ebp5 (total)	Array (22)	POS	POS	POS		
	ebp5_probe 612	Array (22)	POS	POS	POS		
	ebp5_probe 614	Array (22)	POS	POS	POS		
	ebp5 (01-1111)	Array (22)	NEG	NEG	NEG		
	ebp5 (COL)	Array (22)	NEG	NEG	NEG		
enolase	eno	Array (22)	POS	POS	POS		
fibrinogen binding protein (19 kDa)	fbp	Array (22)	POS	POS	POS		
fibronectinbinding protein A	fnbA (total)	Array (22)	POS	NEG	NEG		
		fnbA (MRSA252)	Array (22)	POS	POS	POS	
		fnbA (consensus)	Array (22)	POS	POS	POS	
		fnbA (COL)	Array (22)	NEG	NEG	NEG	
		fnbA (MRSA252)	Array (22)	NEG	NEG	NEG	
		fnbA (Mu50+MW2)	Array (22)	NEG	NEG	NEG	
		fnbA (RF122)	Array (22)	NEG	NEG	NEG	
	fibronectinbinding protein B	fnbB (total)	Array (22)	POS	POS	POS	
			fnbB (COL)	Array (22)	NEG	NEG	NEG
			fnbB (COL+Mu50+MW2)	Array (22)	POS	POS	POS
		fnbB (Mu50)	Array (22)	NEG	NEG	NEG	
		fnbB (MW2)	Array (22)	NEG	NEG	NEG	
		fnbB (ST15)	Array (22)	NEG	NEG	NEG	
		fnbB (ST45-2)	Array (22)	NEG	NEG	NEG	
Major histocompatibility complex class II analog protein (=Extracellular adhesion protein, esp)		map (total)	Array (22)	POS	POS	POS	
			map (COL)	Array (22)	POS	POS	POS
			map (MRSA252)	Array (22)	NEG	NEG	NEG
		map (Mu50+MW2)	Array (22)	POS	POS	POS	
	Staphylococcus aureus surface protein G	sspG (total)	Array (22)	NEG	NEG	NEG	
		sspG (COL+Mu50)	Array (22)	NEG	NEG	NEG	
		sspG (MW2)	Array (22)	NEG	NEG	NEG	
		sspG (other than MRSA252+RF122)	Array (22)	NEG	NEG	NEG	
	SerAsp rich fibrinogen/bone sialoprotein binding protein C	sbcC (total)	Array (22)	POS	POS	POS	
			sbcC (consensus)	Array (22)	POS	POS	POS
		sbcC (B1)	Array (22)	POS	NEG	NEG	
		sbcC (COL)	Array (22)	POS	POS	POS	
		sbcC (Mu50)	Array (22)	NEG	NEG	NEG	
		sbcC (MW2+MRSA252+RF122)	Array (22)	NEG	NEG	NEG	
		sbcC (other than MRSA252+RF122)	Array (22)	NEG	NEG	NEG	
SerAsp rich fibrinogen/bone sialoprotein binding protein D		sbdD (total)	Array (22)	POS	POS	POS	
			sbdD (consensus)	Array (22)	POS	POS	POS
			sbdD (COL+MW2)	Array (22)	NEG	NEG	NEG
		sbdD (Mu50)	Array (22)	NEG	AMB	NEG	
		sbdD (other)	Array (22)	NEG	NEG	NEG	
	van Willebrand factor binding protein	vwb (total)	Array (22)	POS	POS	POS	
			vwb (consensus)	Array (22)	POS	POS	POS
			vwb (COL+MW2)	Array (22)	NEG	NEG	NEG
			vwb (MRSA252)	Array (22)	NEG	NEG	NEG
			vwb (Mu50)	Array (22)	NEG	NEG	NEG
		vwb (RF122)	Array (22)	NEG	NEG	NEG	
		vwb (RF122)	Array (22)	NEG	NEG	NEG	
TYPE I RESTRICTION-MODIFICATION SYSTEM		type I site-specific deoxyribonuclease subunit, 1st locus	hds2	Array (22)	NEG	NEG	NEG
		type I site-specific deoxyribonuclease subunit, 2nd locus	hds2 (Mu50+H315+COL+USA300+NCTC8325)	Array (22)	NEG	NEG	NEG
			hds2 (MW2+MSSA476)	Array (22)	NEG	NEG	NEG
		hds2 (RF122)	Array (22)	POS	POS	POS	
		hds2 (MRSA252)	Array (22)	NEG	NEG	NEG	
	type I site-specific deoxyribonuclease subunit, 3rd locus	hds3 (all other than RF122+ MRSA252)	Array (22)	NEG	POS	POS	
		hds3 (COL+USA300+NCTC8325+MW2+MSSA476+RF122)	Array (22)	POS	POS	POS	
		hds3 (Mu50+H315)	Array (22)	NEG	NEG	NEG	
		hds3 (CC5+ MRSA252)	Array (22)	NEG	NEG	NEG	
		hds3 (MRSA252)	Array (22)	NEG	NEG	NEG	
type I site-specific deoxyribonuclease subunit, unknown locus	hds5 (CC25)	Array (22)	POS	POS	POS		
	hds5 (CC15)	Array (22)	POS	AMB	NEG		
	hds5 (etd)	Array (22)	POS	POS	POS		
HYALURONATE LYASE	hyaluronate lyase, first / second locus	hya1 (MRSA252)	Array (22)	NEG	NEG	NEG	
		hya1 (MRSA252+RF122) and/or hya2 (consensus)	Array (22)	POS	POS	POS	
		hya1 (MRSA252+RF122) and/or hya2 (COL+USA300)	Array (22)	NEG	NEG	NEG	
	hyaluronate lyase, second locus	hya2 (all other than MRSA252)	Array (22)	NEG	NEG	NEG	
		hya2 (COL+USA300+NCTC8325)	Array (22)	NEG	NEG	NEG	
		hya2 (all other than COL+USA300+NCTC8325)	Array (22)	POS	POS	POS	
		hya2 (all other than COL+USA300+NCTC8325)	Array (22)	POS	POS	POS	
		hya2 (MRSA252)	Array (22)	NEG	NEG	NEG	
	MISCELLANEOUS GENES	hypothetical protein, located next to serine protease operon	Q2FK0	Array (22)	NEG	NEG	NEG
		uriospecific efflux/transporter	Q2V18B	Array (22)	NEG	AMB	NEG
hypothetical protein		Q2V40Z	Array (22)	NEG	NEG	NEG	
immunodominant antigen B		isaB	Array (22)	POS	POS	POS	
		isaB (MRSA252)	Array (22)	POS	AMB	AMB	
defensin resistance protein		mpfF (COL+MW2)	Array (22)	POS	AMB	POS	
		mpfF (Mu50+MRSA252)	Array (22)	POS	AMB	POS	
transferrin-binding protein		isaA (consensus)	Array (22)	POS	POS	POS	
		isaA (MRSA252)	Array (22)	POS	NEG	NEG	
		isaA (other than MRSA252)	Array (22)	POS	AMB	POS	
hypothetical protein, similar to integral membrane protein LmrP	lmpP (other than RF122)	Array (22)	POS	NEG	NEG		
	lmpP (RF122)	Array (22)	POS	POS	POS		