

Supplemental file S1. Molecular characterization of SCCmec associated with PFGE pattern C and sequence type ST100: Pediatric clone in Argentina ^a

Primer sets used for identifying SCCmec				SCCmec types				
Amplified region	Primer name	Primer sequence (5' → 3')	Reference (Amplicon size, bp)	IV(2B)/ ^b CA05	IV(2B&5)/ ^b ZH47 ST100 Zurich	V(5C2)/ ^b WIS	VI(4B)/ ^b HDE288	IVNv/ ^c PFGE type C ST100 Argentina
<i>ccr</i> complex								
<i>ccrA2</i>	β2	ATTGCCTTGATAATAGCCITCT	32	+	+	-	-	+
	α2	TAAAGGCATCAATGCACAAACACT	(1000)					
<i>ccrB2</i>	<i>ccrB2F2 F2</i>	AGTTTCTCAGAATTGCAACG	31	+	+	-	-	+
	<i>ccrB2F2 R2</i>	CCGATATAGAAWGGGTTAGC	(311)					
<i>ccrAB4</i>	<i>ccrAB4 F1</i>	TCA TCA ATA AGT ATG GAA CG	34	-	-	-	+	-
	<i>ccrAB4 R1</i>	TTT CTT GCG ACT CTC TTG G	(1549)					
<i>ccrC</i>	<i>ccrC F2</i>	GTAICTCGTTACAATGTTTGG	31	-	+	+	-	-
	<i>ccrC R2</i>	ATAATGGCTTCATGCTTACC	(449)					
Class B <i>mec</i> complex				+	-	-	+	-
IS 1272	IS5	AACGCCACTCATAACATATGGAA	32	+	-	-	+	-
	mA6	TATACCAAACCCGACAAC	(2000)					
ψIS 1272 and <i>mecR1</i>	ISF1	AATTGAAGCAAATGCCAATCG	34	+	-	-	+	-
	MRP1	CAACTGTCGTAGTCGAAACC	(1903)					
Class B2 <i>mec</i> complex ^d				-	+	-	-	+
Tn4001-1 [IS1256L-aac(2)-aph(6'')]]	Tn4001-1-F	GCCAATCGCTTAATTGGAGCCG	This study ^d (709)	-	+	-	-	+
	Tn4001-1-R	ACTTCATCTTCCCAAGGCTCTGT						
Tn4001-2 (IS256R-IS 1272)	Tn4001-2-F	TGGCCATCACGTGTTCTGGG	This study ^d (968)	-	+	-	-	+
	Tn4001-2-R	TCGGATGTCTGTCCGAGGACT						
Tn4001-3 (<i>mecA</i> -IS256L)	Tn4001-3-F	ACCAAACCCGACAACACTACAATAT	This study ^d (1298)	-	+	-	-	+
	Tn4001-3-R	GTGTCGTAAAGCTGCGCTCA						
J3 region								
<i>dcs</i>	<i>dcs-F2</i>	CATCCTATGATAGCTTGGTC	31	+	-	-	+	+
	<i>dcs-R1</i>	CTAATCATAGCCATGACCG	(342)					
J1 region								
SCCmec V	SCCmecV-J1-F	TTCTCCATTCTTGTTCATCC	31 (377)	-	-	+	-	-
	SCCmecV-J1-R	AGAGACTACTGACTTAAGTGG						
SCCmec IV ^e								
IVa	J IVa F	ATAAGAGATCGAACAGAAGC	33	+	-	-	-	-
	J IVa R	TGAAGAAATCATGCCTATCG	(278)					
IVc	J IVc F	CCATTGCAAATTTCTCTTCC	33	-	+	-	-	+
	J IVc R	ATAGATTCTACTGCAAGTCC	(483)					

^a SCCmec: Staphylococcal Cassette Chromosome *mec*; PFGE: Pulsed field gel electrophoresis;

^b SCCmec type/strain name: SCCmec type associated with strain control.

^c SCCmec IVNv: new variant of SCCmec type IV associated with Pediatric clone (pulsotype C-ST100) in Argentina [15,33,34].

^d Primers designed based on the previously determined sequence of strain ZH47 accession number AM292304 [32]. Amplicons with the expected size were end sequenced, obtaining 100% of homology with the ZH47 strain genome sequence.

^e The *SCCmec* IV subtypes IVb, IVd, IVg, IVh also were assayed by PCR [30], only positive ones are shown.