

Supplementary Table 1. Comparison of selected genes detected by microarray in the cohort according to methicillin susceptibility.

<i>Variable</i>	<i>MSSA</i> <i>n=138</i>	<i>MRSA</i> <i>n=108</i>	<i>Total</i> <i>n=242</i>	<i>p-value</i>
<i>agr</i> type				
<i>agr</i> I	60 (43.5)	86 (82.7)	146	<0.001
<i>agr</i> II	39 (28.3)	6 (5.8)	45	<0.001
<i>agr</i> III	38 (27.5)	10 (9.6)	48	0.001
<i>agr</i> IV	1 (0.7)	2 (1.9)	3	0.404
<i>agr</i> dysfunction <sup>1</sup>				
Present	56 (40.6)	68 (65.4)	124	<0.001
Polysaccharide capsule				
<i>cap5</i>	44 (31.9)	25 (24.0)	69	0.181
<i>cap8</i>	93 (67.4)	78 (75)	171	0.198
Antimicrobial resistance				
<i>blaZ</i>	106 (77.4)	102 (98.1)	208	<0.001
<i>mecA</i>	0 (0)	101 (97.1)	101	<0.001
<i>ermA</i>	9 (6.5)	64 (61.5)	73	<0.001
<i>aacA-aphD</i>	2 (1.5)	59 (58.4)	61	<0.001
<i>mupR</i>	0 (0)	1 (1.0)	1	0.248
<i>tetK</i>	0 (0)	41 (40.2)	41	<0.001
<i>fosB</i>	78 (56.5)	71 (68.3)	149	0.063
<i>qacA</i>	9 (6.6)	53 (51.5)	62	<0.001

Leukocidins or exotoxins					
	PVL	3 (2.2)	4 (3.9)	7	0.442
	<i>tst</i>	13 (9.4)	2 (1.9)	15	0.017
Enterotoxins					
	<i>sea</i>	39 (28.3)	59 (56.7)	98	<0.001
	<i>seb</i>	12 (8.9)	3 (3.0)	15	0.071
	<i>sec</i>	9 (6.5)	16 (15.4)	25	0.025
	<i>seg</i> <sup>2</sup>	57 (41.6)	33 (32.0)	90	0.130
Exfoliative toxins					
	<i>etA</i>	2 (1.5)	1 (1.0)	3	0.740
Adhesion factors					
	<i>clfA</i>	25 (18.1)	54 (51.9)	79	<0.001
	<i>cna</i>	61 (44.9)	92 (88.5)	153	<0.001
Miscellaneous					
	ACME locus	0 (0)	23 (22.1)	23	<0.001
	<i>sak</i>	122 (88.4)	93 (89.4)	215	0.803
	CHIPS	76 (55.1)	31 (29.8)	107	<0.001
	<i>isaB</i>	110 (79.7)	15 (14.4)	125	<0.001
	<i>splA</i>	106 (76.8)	75 (72.1)	181	0.405

Data are represented as number (%) unless otherwise indicated.

MSSA, methicillin-susceptible *S. aureus*

MRSA, methicillin-resistant *S. aureus*

PVL, Panton-Valentine leukocidin

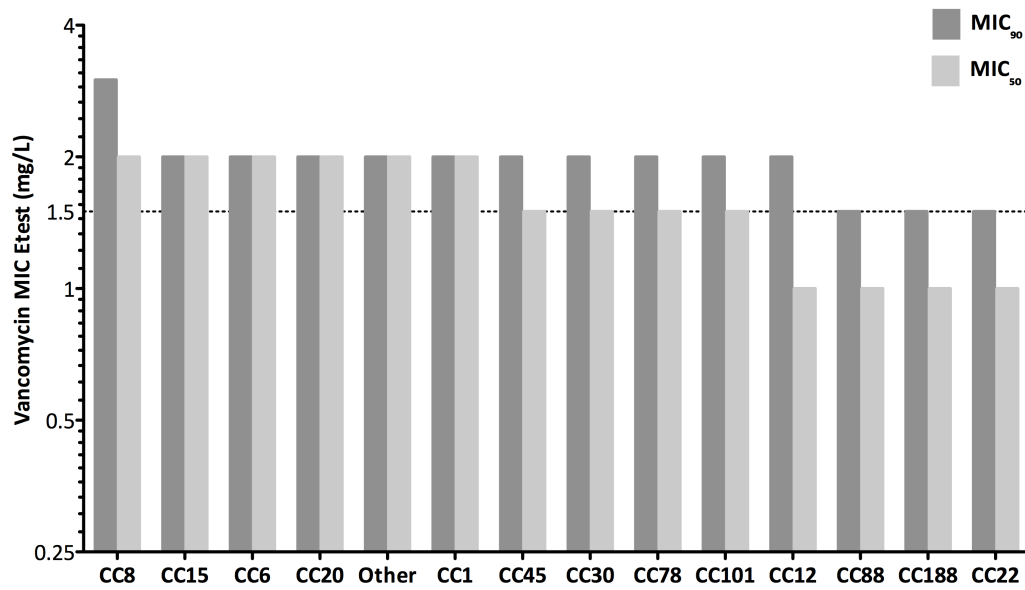
ACME, arginine catabolic mobile element

CHIPS, chemotaxis inhibitory protein of *S. aureus*

<sup>1</sup> As measured by delta-hemolysin assay.

<sup>2</sup> Part of enterotoxin gene cluster (*egc*).

Supplementary Figure 1. Vancomycin Etest® MIC<sub>50</sub> and MIC<sub>90</sub> according to clonal complex.



‘Other’ clones (n=21): CC7, CC9, CC25, CC50, CC59, CC80, ST93, CC97, CC361, CC398; y-axis is on a log<sub>2</sub> scale.