Genotyping of methicillin resistant *Staphylococcus aureus* from the United Arab Emirates

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Supplementary Table S1: Assignment of study isolates into clonal Complexes and strains

Clonal Complex	Strain assignment	Number of strains
CC1 (n=48)	CC1-MRSA-[V/VT+*fusC*] (PVL+)	2
	CC1-MRSA-[IV+*fusC*+*ccrAB1*], WA MRSA-1/45	10
	CC1-MRSA-[V/VT+*fusC*+*ccrAB1*]	17*
	CC1-MRSA-[V/VT+*fusC*+*ccrAB1*] (PVL+)	14
	CC1-MRSA-IV (*aphA3/sat*-positive)	2
	CC1-MRSA-IV, WA MRSA-1/57 (*aphA3/sat*-negative)	2
	CC1-MRSA-V/VT	1
CC5 (n=89)		
	CC5-MRSA-[V/VT+*fusC*]	33
	CC5-MRSA-[V/VT+*fusC*]	10**
	CC5-MRSA-[VI+*fusC*]	8***
	CC5-MRSA-IVc (*sed/j/r+,* PVL+), "Sri Lanka Clone"	9
	CC5-MRSA-IVc *(sed/j/r-,* PVL+), "Sri Lanka Clone"	5
	CC5-MRSA-[V/VT+*fusC*] (PVL+)	5
	CC5-MRSA-IV *(tst1+)*	4@
	CC5-MRSA-IV (*edinA*+)	2
	CC5-MRSA-IV (PVL+/*edinA*+), WA MRSA-003/121	2
	CC5-MRSA-V/VT, WA MRSA-81/85/86/123	2
	CC5-MRSA-[I+*fusC*], Geraldine Clone	1
	CC5-MRSA-[IV+*fusC*+*ccrAB*], Maltese Clone	1
	CC5-MRSA-[V/VT+*fusC*+*ccrA/B-1*] (PVL+)	1
	CC5-MRSA-IV (PVL+/*edinA*+), WA MRSA-121	1
	CC5-MRSA-IV (*sed/j/r+)*	1
	CC5-MRSA-V (*edinA*+)	1
	CC5-MRSA-V/VT (PVL+)	1
	CC5-MRSA-V/VT *(sed/j/r+)*, WA MRSA-11/34/35/87/90/108	1
	ST5/ST225-MRSA-II, Rhine-Hesse EMRSA/New York-Japan Clone	1
CC6 (n=77)		
	CC6-MRSA-IV, WA MRSA-51	63

	CC6-MRSA-IV	9
	CC6-MRSA-IV (PVL+)	5
CC8 (n=40)		
	CC8-MRSA-[IVa+ACME I] (PVL+), USA300	14
	CC8-MRSA-IV (no enterotoxin genes)	6
	CC8-MRSA-V/VT	5[#]
	CC8-MRSA-[IV+ACME], putative PVL-deletion mutant of USA300	3
	CC8-MRSA-IVb/d/i (PVL+, *sed/j/k/q/r*+)	3
	CC8-MRSA-[VI+*fusC*]	2
	CC8-MRSA-IV (*tst1*+)	2
	C8-MRSA-[IVc+Hg] (PVL+), ACME-negative/Spanish or Latin American variant of USA300	1
	CC8-MRSA-[IVa+truncated ACME] (PVL+), USA300 variant	1
	CC8-MRSA-[V/VT+f*usC*]	1
	CC8-MRSA-IV (*seb/k/q*+)	1
	CC8-MRSA-IVa (PVL+), ACME-negative IS-88-like strain	1
CC8/ST72 (n=7)		
	ST72-MRSA-V/VT, WA MRSA-091	4
	ST72-MRSA-[V/VT+*fusC*]	3
CC9 (n=1)	ST834-MRSA-IV, WA MRSA-13	1
CC15 (n=8)	CC15-MRSA-[V+*fusC*]	8
CC22 (n=82)		
	CC22-MRSA-IV (PVL+/*tst*+)	35
	CC22-MRSA-IV (*tst1*+), "Gaza Epidemic Strain"	24
	CC22-MRSA-IV (PVL+)	19
	CC22-MRSA-[IV+*fusC*+*ccrAA/(C)*]	1
	CC22-MRSA-IV (*fnbB-,sec/l*+), UK-EMRSA-15/Barnim EMRSA	1
	CC22-MRSA-IV *(fnbB*+), related to UK-EMRSA-15/Barnim EMRSA	1
	CC22-MRSA-IVc (PVL+)	1
CC30 (n=91)		
	CC30-MRSA-IV (PVL+), Southwest Pacific Clone	68
	CC30-MRSA-[VI+*fusC*] (PVL+)	13

	CC30-MRSA-IV (PVL-/*tst1*-)	4
	CC30-MRSA-IV (PVL-/*tst1*+)	3
	CC30-MRSA-V/VT (PVL+), WA MRSA-124	2
	CC30-MRSA-V/VT	1
CC45 (n=3)		
	CC45-MRSA-IVa, Berlin EMRSA	1
	CC45-MRSA-[IV+*fusC*+*tir*]	1
	CC45-MRSA-[VI+*fusC*]	1
CC59 (n=5)		
	CC59-MRSA-VT (*ermB+/aphA3+/*PVL+), Taiwan Clone	4
	CC59-MRSA-VT (*ermB-/aphA3-*/PVL+)	1
CC80 (n=27)		
	CC80-MRSA-IV (PVL+)	21[##]
	CC80-MRSA-IV (PVL-)	3[#]
	CC80-MRSA-IVc (PVL+)	2
	CC80-MRSA-IVc (PVL-)	1
CC88 (n=19)		
	CC88-MRSA-IV (PVL+)	9
	CC88-MRSA-IV	3
	CC88-MRSA-IV, WA MRSA-2	3
	CC88-MRSA-V (PVL+), WA MRSA-117	2
	CC88-MRSA-IV (*etA*+)	1
	CC88-MRSA-VI	1
CC96 (n=1)	CC96-MRSA-IV	1
CC97 (n=22)		
	CC97-MRSA-[V/VT+*fusC*]	13
	CC97-MRSA-[V+*fusC*]	2
	CC97-MRSA-IV, WA MRSA-54/63	3
	CC97-MRSA-V/VT	4
CC121 (n=8)		
	CC121-MRSA-[V/VT+*fusC*] (PVL+)	6
	CC121-MRSA-V/VT (PVL+)	1
	CC121-MRSA-V/VT	1
CC152 (n=7)		

	CC152-MRSA-[V/VT+*fusC*] (PVL+)	4[$]
	CC152-MRSA-V/VT (PVL+)	2
	CC152-MRSA-IV (PVL+)	1
CC239 (n=11)		
	CC239-MRSA-[III+*ccrC*]	3
	CC239-MRSA-[III+ccrC]	3
	CC239-MRSA-[III+Cd/Hg+*ccrC*]	3
	CC239-MRSA-[III+SCC*mer*+*ccrC*]	2
CC361 (n=35)		
	CC361-MRSA-[V/VT+*fusC*]	20
	CC361-MRSA-IV, WA MRSA-29	7
	CC361-MRSA-V, WA MRSA-70	5
	CC361-MRSA-V/VT, WA MRSA-70/110	2
	CC361-MRSA-V	1
CC398 (n=3)		
	CC398-MRSA-V/VT (PVL+)	2
	CC398-MRSA-VT (PVL+)	1
CC772 (n=36)		
	CC772-MRSA-V (PVL+), "Bengal Bay Clone"	27
	CC772-MRSA-[V+kdp] (PVL+)	2
	CC772-MRSA-VT (PVL+)	4
	CC772-MRSA-V/VT (PVL+)	3[##]
CC1153 (n=4)		
	CC1153-MRSA-[V/VT+*fusC*] (PVL+)	2
	CC1153-MRSA-[I+f*usC*] (PVL+)	2
CC2250 S. argenteus (n=1) [###]	CC2250-MRSA-IV, WA MRSA-114	1

*one strain harboured tirS as additional payload on SCC*mec;* **two strains had SCCmec VT ; ***two strains harboured tirS as additional payload on SCC*mec;* [@]two strains had SCC*mec* IVa ; [#]one strain had SCC*mec* VT (GR1); [##]SCC*mec* not subtyped; [$]one strain had SCC*mec* V+*fusc*; [###]Phenotypically identified as MRSA but found to be CC2250 *S. argenteus* on genotyping.