

1 Supplemental Material

Supplemental Table 1: Distribution of *spa*-types among MRSA isolates

<i>spa</i> type	Baseline visit			Three-month visit		
	N	SENTRY MDR, N(%) n=64	Not MDR, N(%) n=40	N	SENTRY MDR, N(%) n=31	Not MDR, N(%) n=25
t002	5	5 (100.00)	0 (0.00)	5	5 (100.00)	0 (0.00)
t008	61	37 (60.66) ^d	24 (39.34) ^c	30	13 (43.33)	17 (56.67)
t024	8	6 (75.00)	2 (25.00)	4	2 (50.00)	2 (50.00)
t068	0	-	-	2	2 (100.00) ^b	0 (0.00)
t084	1	0 (0.00)	1 (100.00)	0	-	-
t105	1	1 (100.00)	0 (0.00)	0	-	-
t121	3	2 (66.67)	1 (33.33)	2	1 (50.00)	1 (50.00)
t127	0	-	-	1	0 (0.00)	1 (100.00)
t164	1	1 (100.00)	-	-	-	-
t179	0	-	-	1	1 (100.00)	0 (0.00)
t211	1	0 (0.00)	1 (100.00)	0	-	-
t216	3	2 (66.67)	1 (33.33)	2	0 (0.00)	2 (100.00)
t304	1	0 (0.00)	1 (100.00)	0	-	-
t334	0	-	-	1	1 (100.00) ^b	0 (0.00)
t359	1	0 (0.00)	1 (100.00)	0	-	-
t622	2	0 (0.00)	2 (100.00)	2	1 (50.00) ^b	1 (50.00)
t688	3	3 (100.00) ^b	0 (0.00)	2	2 (100.00) ^b	0 (0.00)
t922	0	-	-	1	0 (0.00)	1 (100.00)
t1171	4	2 (50.00) ^b	2 (50.00)	1	1 (100.00)	0 (0.00)
t6774	1	1 (100.00)	0 (0.00)	0	-	-
t9963	1	0 (0.00)	1 (100.00)	0	-	-
t10171	2	2 (100.00)	0 (0.00)	0	-	-
t12500	2	0 (0.00)	2 (100.00) ^b	2	2 (100.00)	0 (0.00)
t16872 ^a	1	1 (100.00)	0 (0.00)	0	-	-
t16873 ^a	2	1 (50.00)	1 (50.00)	0	-	-

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3 ^aNew type assigned via the Ridom *spa* server
4 ^bAll isolates mupirocin non-susceptible; ^cTwo isolates mupirocin non-susceptible; ^dOne isolate mupirocin
5 non-susceptible
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Supplemental Table 2: Antimicrobial drug use among rural homes

	Baseline visit				Three-month visit			
	N	Rural, N(%) n=14	Not Rural, N(%) n=90	Chi-sq p-value	N	Rural, N(%) n=8	Not Rural, N(%) n=48	Chi-sq p-value
Any HH Abx Use								
Hum or Pet use	96	14 (14.58)	82 (85.42)	0.25	17	4 (23.53)	13 (76.47)	0.19
No Use	8	0 (0.00)	8 (100.0)		39	4 (10.26)	35 (89.74)	
Individual Abx								
Clinda Use								
Yes	41	1 (2.44)	40 (97.56)	0.01	22	1 (4.55)	21 (95.45)	0.09
No	63	13 (20.63)	50 (79.37)		34	7 (20.59)	27 (79.41)	
Sulfa Use								
Yes	52	11 (21.15)	41 (78.85)	0.02	33	7 (21.21)	26 (78.79)	0.08
No	52	3 (5.77)	49 (94.23)		23	1 (4.35)	22 (95.65)	
Mup Use								
Yes	12	0 (0.00)	12 (100.00)	0.15	5	0 (0.00)	11 (100.00)	0.13
No	92	14 (15.22)	78 (84.78)		51	8 (17.78)	37 (82.22)	

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10 *P-Values were obtained using chi-squared analysis.*11 *Significance is as follows; * ≤0.05, **≤0.01, ***≤0.001*