Supplementary data

Table S1. Samples, wards, Minimum Inhibitory Concentrations (MIC) and Minimum Bactericidal Concentrations (MBC) of C109 for 51 MSSA clinical isolates

S. aureus* strain	**Sample**	**Ward^**	**MIC (µg/ml)**	**MBC (µg/ml)**
548A SM PV 08	blood culture	Medicine	1	1
548 SM PV 08	blood culture	Medicine	2	2
554 SM PV 08	blood culture	Medicine	2	2
554A SM PV 08	blood culture	Medicine	2	2
629 SM PV 08	blood culture	Hematology	2	4
556 SM PV 08	blood culture	Pneumology	4	4
557 SM PV 08	blood culture	Medicine	4	4
10 AM LC 10	blood culture	ICU	4	4
563 SM PV 08	blood culture	Surgery	8	8
561 SM PV 08	blood culture	Pneumology	8	8
31 AM LC 10	blood culture	Rehabilitation	8	16
16 AM LC 10	bronchial aspirate	ICU	2	2
15 AM LC 10	bronchial aspirate	ICU	2	2
14 AM LC 10	bronchial aspirate	ICU	8	8
599 SM PV 08	skin swab	Neonatal Pathology	1	2
579 SM PV 08	skin swab	Hematology	2	2
628 SM PV 08	skin swab	External ambulatory	2	2
379 SM PV 07	skin swab	External ambulatory	4	4
579A SM PV 08	skin swab	Hematology	4	4
598A SM PV 08	skin swab	Medicine	4	8
600 SM PV 08	skin swab	Medicine	4	8
22 AM LC 10	skin swab	Medicine	8	8
577 SM PV 08	sputum	Medicine	2	2
577A SM PV 08	sputum	Medicine	2	2
550 SM PV 08	sputum	Medicine	4	8
590 SM PV 08	ulcer swab	External ambulatory	2	2
355 SM PV 07	ulcer swab	External ambulatory	4	8
549 SM PV 08	ulcer swab	Hematology	4	4
551 SM PV 08	ulcer swab	Medicine	4	4
558 SM PV 08	ulcer swab	External ambulatory	4	4
598 SM PV 08	ulcer swab	Medicine	4	4
26 AM LC 10	ulcer swab	LTCF	4	8
13 AM LC 10	urine	Nephrology	8	8
623 SM PV 08	vaginal swab	Obstetrics	4	4
337 SM PV 07	wound swab	Medicine	2	4
27 AM LC 10	wound swab	Orthopedic	2	2
343 SM PV 07	wound swab	-	4	>32
339 SM PV 07	wound swab	Vascular surgery	4	4

363 SM PV 07	wound swab	External ambulatory	4	4
553 SM PV 08	wound swab	External ambulatory	4	4
560 SM PV 08	wound swab	Ambulatory	4	4
559 SM PV 08	wound swab	Medicine	4	4
580A SM PV 08	wound swab	External ambulatory	4	4
587 SM PV 08	wound swab	Surgery	4	4
606 SM PV 08	wound swab	Dermatology	4	8
351 SM PV 07	wound swab	External ambulatory	8	>32
366 SM PV 07	wound swab	External ambulatory	8	8
397 SM PV 07	wound swab	External ambulatory	8	16
580 SM PV 08	wound swab	External ambulatory	8	32
12 AM LC 10	wound swab	Orthopedics	8	8
402 SM PV 07	-	Emergency	2	2

-: data not available
*: SM PV, Fondazione IRCCS Policlinico San Matteo, Pavia; AM LC, Alessandro Manzoni Hospital, Lecco; 07, 08, 10, year of strain's isolation
^: ICU, Intensive Care Unit; LTCF, Long Term Care Facility

Table S2. Samples, wards, Minimum Inhibitory Concentrations (MIC) and Minimum Bactericidal Concentrations (MBC) of C109 for 51 MRSA clinical isolates

S. aureus* strain	**Sample**	**Ward^**	**MIC (µg/ml)**	**MBC (µg/ml)**
566 SM PV 08	biological material	External ambulatory	1	1
290 SM PV 06	biological material	Medicine	4	4
279 SM PV 06	biological material	External ambulatory	8	8
567 SM PV 08	blood culture	Medicine	1	1
11 AM LC 10	blood culture	ICU	1	2
316 SM PV 07	blood culture	Oncology	2	4
321 SM PV 07	blood culture	-	2	2
589 SM PV 08	blood culture	Ematologia degenza	2	2
644 SM PV 09	blood culture	Medicine	2	4
25 AM LC 10	blood culture	Neurology	2	2
265 SM PV 06	blood culture	Hematology	4	8
267 SM PV 06	blood culture	Medicine	4	4
320 SM PV 07	blood culture	Surgery	4	4
17 AM LC 10	blood culture	Urology	4	8
301 SM PV 06	blood culture	Medicine	8	8
9 AM LC 10	blood culture	Medicine	8	8
23 AM LC 10	blood culture	Medicine	8	16
30 AM LC 10	bronchial aspirate	ICU	1	2
1 AM LC 10	bronchial aspirate	Medicine	4	16
564 SM PV 08	conjunctival swab	Neonatology	2	2

315 SM PV 07	drainages	Surgery	2	2
326 SM PV 07	drainages	Surgery	8	>32
583 SM PV 08	ear swab	External ambulatory	2	2
334 SM PV 07	pus	Urology	4	4
286 SM PV 06	pus	Surgery	8	8
576 SM PV 08	skin swab	Medicine	2	2
7 AM LC 10	skin swab	External ambulatory	2	8
568 SM PV 08	skin swab	Dermatology	4	16
627 SM PV 08	skin swab	Neonatal pathology	4	8
284 SM PV 06	skin swab	Dermatology	8	16
570 SM PV 08	sputum	Pneumology	1	2
288 SM PV 06	sputum	Medicine	2	2
424 SM PV 08	sputum	Medicine	4	4
287 SM PV 06	sputum	Ematology	8	16
291 SM PV 06	sputum	Medicine	8	16
569 SM PV 08	ulcer swab	External ambulatory	1	1
19 AM LC 10	ulcer swab	Medicine	1	1
312 SM PV 07	ulcer swab	External ambulatory	8	8
341 SM PV 07	urine	-	1	2
565 SM PV 08	urine	Medicine	1	1
311 SM PV 07	wound swab	Surgery	1	2
562 SM PV 08	wound swab	Pediatric surgery	1	1
276 SM PV 06	wound swab	Surgery	2	4
303 SM PV 07	wound swab	Vascular surgery	2	2
306 SM PV 07	wound swab	Surgery	2	2
310 SM PV 07	wound swab	Medicine	2	2
356 SM PV 07	wound swab	Orthopedics	2	4
626 SM PV 08	wound swab	Surgery	4	4
633 SM PV 08	wound swab	Ortopedic	4	4
296 SM PV 06	wound swab	Ematology	8	8
24 AM LC 10	wound swab	External ambulatory	8	8

-: data not available
*: SM PV, Fondazione IRCCS Policlinico San Matteo, Pavia; AM LC, Alessandro Manzoni Hospital, Lecco; 06, 07, 08, 09, 10, year of strain's isolation
^: ICU, Intensive Care Unit

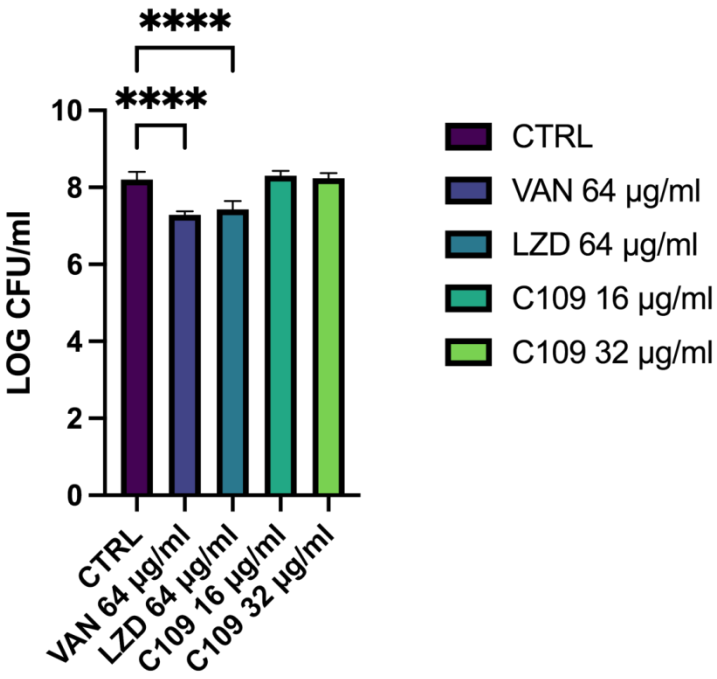

Figure S1. Effect of C109 against *S. aureus* ATCC 25923 biofilm eradication. Bacterial biofilms were treated with the compounds indicated below each bar. CTRL, no drug; VAN, vancomycin; LZD, linezolid. The results are expressed as LOG CFU/mL (mean ± standard error, n = 4). **** $p < 0.0001$ (one-way ANOVA test).

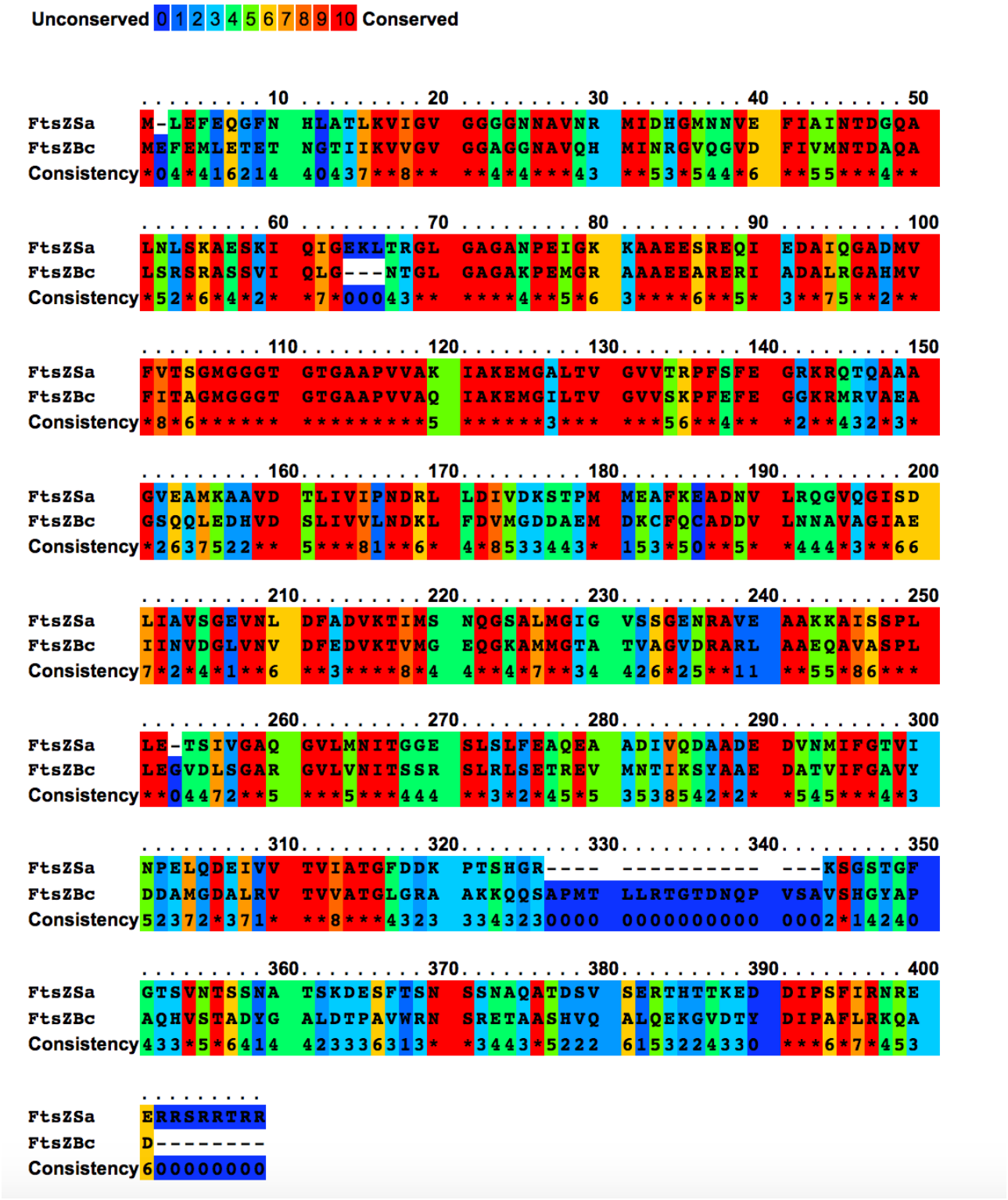

Figure S2. Protein sequence alignment of *S. aureus* FtsZ (FtsZSa) and *B. cenocepacia* FtsZ (FtsZBc). Less conserved residues are in blue while most conserved are in red. The alignment was obtained with PRALINE multiple sequence alignment [1].

1. Simossis, V.A.; Heringa, J. PRALINE: A multiple sequence alignment toolbox that integrates homology-extended and secondary structure information. *Nucleic Acids Res.* **2005**, *33*, W289–W294.