

## Supplementary Materials

**Table S1.** Antibiotic susceptibility of clinical isolates used in this study.

Strain	Oxacillin	Levofloxacin	Erythromycin	Linezolid	Daptomycin	Teicoplanin	Vancomycin	Tetracycline	Fosfomycin	Rifampicin	Clindamycin	Tigecycline	Gentamicin	Ciprofloxacin
<i>S. aureus</i> ATCC 29213	0,125 (S)	0,125	<0,5 (S)	0,5 (S)	ND	ND	1 (S)	0,5 (S)	1 (S)	0,016 (S)	<0,125 (S)	ND	0, 5 (S)	ND
<i>S. aureus</i> 00717	128 (R)	>4 (R)	>4 (R)	2 (S)	0,25 (S)	<0,5 (S)	1 (S)	<1 (S)	>64 (R)	>2 (R)	0,25 (R)	<0,12 (S)	256 (R)	ND
<i>S. aureus</i> 60338	>2 (R)	ND	>2 (R)	2 (S)	<0,5 (S)	<=0,5 (S)	<=0,5 (S)	<=0,5 (S)	>64 (R)	<0,25 (S)	0,25 (R)	<=0,25 (S)	<=1 (S)	>4 (R)
<i>S. aureus</i> 60419	<=0,25 (S)	ND	>2 (R)	1 (S)	<0,5 (S)	<=0,5 (S)	1 (S)	>2 (R)	<16 (S)	ND	0,25 (R)	0,5 (S)	>4 (R)	>4 (R)
<i>S. aureus</i> 61030	2 (R)	ND	>2 (R)	1 (S)	<0,5 (S)	<0,5 (S)	<=0,5 (S)	<=0,5 (S)	<16 (S)	<0,5 (S)	0,25 (R)	<=0,25 (S)	<=1 (S)	>4 (R)
<i>S. aureus</i> 61035	>2 (R)	>4 (R)	>4 (R)	2 (S)	0,5 (S)	<=0,5 (S)	<=0,5 (S)	<1 (S)	>64 (R)	<0,03 (S)	0,25 (R)	0,25 (S)	<=0, 5 (S)	>4 (R)
<i>S. aureus</i> 61050	>2 (R)	<=0,12 (S)	>4 (R)	2 (S)	0,25 (S)	<=0,5 (S)	<=0,5 (S)	>8 (R)	ND	<0,03 (S)	0,25 (R)	<=0,12 (S)	<=0, 5 (S)	ND
<i>S. aureus</i> 61486	>2 (R)	>4 (R)	1 (S)	2 (S)	0,5 (S)	<=0,5 (S)	<=0,5 (S)	<1 (S)	>64 (R)	<0,03 (S)	0,25 (R)	0,25 (S)	<=0, 5 (S)	>4 (R)
<i>S. aureus</i> 62482	>2 (R)	ND	>2 (R)	2 (S)	1 (S)	<=0,5 (S)	1 (S)	>2 (R)	<16 (S)	ND	0,25 (R)	<=0,25 (S)	>4 (R)	1 (S)
<i>S. aureus</i> 63906	>2 (R)	>1 (R)	0,5 (S)	2 (S)	1 (S)	1 (S)	1 (S)	<=0,5 (S)	>64 (R)	<0,25 (S)	<0,25 (S)	<=0,25 (S)	<=1 (S)	>4 (R)
<i>S. aureus</i> 64428	<=0,25 (S)	>1 (R)	>4 (R)	2 (S)	1 (S)	<=0,5 (S)	1 (S)	<1 (S)	<16 (S)	<0,03 (S)	0,25 (R)	<=0,12 (S)	<=0, 5 (S)	>4 (R)

The MIC values were expressed as µg/mL. MICs were determined by BD Phoenix PMIC/ID-88 panel. The categorical interpretations were as follows: S, susceptible; R, resistant; ND, not determined.

**Table S2.** MIC (µg/mL) and MBC (µg/mL) values of L-NPDNJ for clinical isolates used in this study.

Strain	MIC	MBC
<i>S. aureus</i> ATCC 29213	128	256
<i>S. aureus</i> 00717	128	256
<i>S. aureus</i> 60338	128	256
<i>S. aureus</i> 60419	128	256
<i>S. aureus</i> 61030	128	256
<i>S. aureus</i> 61035	128	256
<i>S. aureus</i> 61050	128	256
<i>S. aureus</i> 61486	128	256
<i>S. aureus</i> 62482	128	256
<i>S. aureus</i> 63906	128	256
<i>S. aureus</i> 64428	128	256