

Supporting Information

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Table S1. Strains used in this study

Strains	Description	Ref.
<i>S. aureus</i>		
V329	Clinical strain	1
FRI-56	Clinical strain	2
RF122	Clinical strain	3
Mu50	Clinical strain	4
COL	Clinical strain	5
LUG855	RN6390 ϕ SLT	6
KS100	<i>katA</i> -mutant	7
RN450	NCTC8325 cured of ϕ 11, ϕ 12 and ϕ 13	8
RN4220	Restriction-defective derivative of RN450	8
RN451	RN450 lysogenic for ϕ 11	8
RN1030	<i>recA</i> ⁻ mutant of RN451	9
RN10359	RN450 lysogenic for 80 α	10
JP3592	RN10359 cl G130E	This work
JP3603	RN10359 (SaPIbov1 <i>tst::tetM</i>)	This work
JP3656	JP3592 (SaPIbov1 <i>tst::tetM</i>)	This work
JP3852	RN450 <i>katA</i> -mutant	This work
JP3853	RN10359 <i>katA</i> -mutant	This work
<i>S. pneumoniae</i>		
623	Lysogenic strain	
949	Lysogenic strain	
TIGR4	Clinical isolate	11
Pn-20	Nasopharyngeal human isolate	11
TIGR4 Δ <i>spxB</i>	Nonproducer H ₂ O ₂ strain	11
Pn-20 Δ <i>spxB</i>	Nonproducer H ₂ O ₂ strain	11

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Table S3. Production of SaPI particles after incubation with *S. pneumoniae* strains

Donor strain	Phage	SaPI	Inducer*	SaPI titer [†]
JP3603	$\phi 80\alpha$	SaPIbov1	H ₂ O ₂	3.8×10^8
			Pn-20	1.7×10^7
			Pn-20 $\Delta spxB$	1.2×10^5
			TIGR4	8.0×10^6
			TIGR4 $\Delta spxB$	1.1×10^5
			NI	1.1×10^5
JP JP3656 (JP3603 cl G130E)	$\phi 80\alpha$	SaPIbov1	H ₂ O ₂	<10
			Pn-20	<10
			Pn-20 $\Delta spxB$	<10
			TIGR4	<10
			TIGR4 $\Delta spxB$	<10
			NI	<10

The means of results from 3 independent experiments are presented. Variation was within $\pm 5\%$ in all cases.

*H₂O₂ (0.5 mM). NI, not induced.

[†]Number of SaPI particles per milliliter of induced culture, using RN4220 as recipient strain.