

TABLE S2 . Bacterial strains and plasmids used in this study

Strain or plasmid	Description	Reference(s) or source	Primers
Strains			
D39	<i>S. pneumoniae</i> D39 strain, Capsulated strain serotype 2	NCTC	
D39s	D39; <i>rpsL::rpsL41</i>	This study	Pr1801-1804
D39 Δ <i>fabT</i> ::JC1	D39s derivative; the <i>fabT</i> region is replaced with JC1	This study	Pr1910-1914, 1917
D39 Δ <i>fabT</i>	D39 Δ <i>fabT</i> ::JC1 derivative; the 1-381 region of <i>fabT</i> is removed	This study	
D39C Δ <i>fabT</i>	D39 Δ <i>fabT</i> derivate, pPEPZ-Plac-RBS- <i>fabT</i> -FLAG3	This study	
D39 Δ <i>psrA</i>	D39s derivative; p.His7ThrfsTer15	(27)	Pr1975,1994,2008-2013
D39 Δ <i>fabT</i> Δ <i>psrA</i>	D39 Δ <i>fabT</i> derivate; p.His7ThrfsTer15	This study	
D39 Δ <i>dexB-cps2A</i> ::JC1	D39s derivative, the <i>dexB-cps2A</i> region is replaced with JC1	(38)	Pr1901-1906
D39 Δ <i>cps</i>	D39 Δ <i>dexB-cps2A</i> ::JC1 derivative; the entire <i>dexB-cps2A</i> region is removed	This study	Pr1907-1908
D39 Δ <i>cps</i> Δ <i>fabT</i>	D39 Δ <i>cps</i> derivative; the 1-381 region of <i>fabT</i> is removed	This study	
D39 Δ <i>cps</i> C Δ <i>fabT</i>	D39 Δ <i>cps</i> Δ <i>fabT</i> derivative; pPEPZ-Plac-RBS- <i>fabT</i> -FLAG3	This study	
D39 Δ <i>cps</i> Δ <i>psrA</i>	D39 Δ <i>cps</i> derivative; Δ <i>psrA</i> His7ThrfsTer15	This study	
D39 Δ <i>cps</i> Δ <i>fabT</i> Δ <i>psrA</i>	D39 Δ <i>cps</i> Δ <i>fabT</i> derivative; Δ <i>psrA</i> His7ThrfsTer15	This study	
Plasmid			
pPEPZ-P _{lac}	Integrative plasmid with IPTG inducible promoter	(48)	
pPEPZ-Pl _{ac} -RBS- <i>fabT</i> -FLAG3	Integrative plasmid with IPTG inducible promoter and Flag-tagged <i>fabT</i>	This study	Pr2043/2034, 2035/2044