

Table S7 – Bacterial strains and plasmids used in this study.

Strain	Description	Reference or Source
<i>Escherichia coli</i> DH5 α	F ⁻ ϕ 80 <i>lacZ</i> Δ M15 Δ (<i>lacZYA-argF</i>)U169 <i>recA1 endA1 hsdR17</i> (r _K ⁻ , m _K ⁺) <i>phoA supE44</i> λ ⁻ <i>thi-1 gyrA96 relA1</i> , cloning strain	Life Technologies
<i>Haemophilus influenzae</i> 2019 (Hi2019 WT)	Clinical isolate from a chronic obstructive pulmonary disease patient. Sequence type 321	Campagnari, Gupta (1)
<i>Haemophilus influenzae</i> 86-028NP	Clinical isolate from a patient with otitis media. Sequence type 33	Harrison, Dyer (2)
<i>Haemophilus influenzae</i> C188	Clinical isolate from blood. Sequence type 269	Kappler, Dhouib (3)
<i>Haemophilus influenzae</i> R2866	Clinical isolate from the blood of a patient with otitis media. Sequence type 99	Nizet, Colina (4)
<i>Haemophilus influenzae</i> R535	Clinical isolate from sputum. Sequence type: unknown	Kappler, Dhouib (3)
Hi2019 Δ <i>lldD</i>	Hi2019 WT with <i>lldD</i> gene disrupted by the insertion of a kanamycin antibiotic resistance cassette (<i>lldD::kan</i>)	This study
Hi2019 Δ <i>dld</i>	Hi2019 WT with <i>dld</i> gene disrupted by the insertion of a kanamycin antibiotic resistance cassette (<i>dld::kan</i>)	This study
Hi2019 Δ <i>ldhA</i>	Hi2019 WT with <i>ldhA</i> gene disrupted by the insertion of a kanamycin antibiotic resistance cassette (<i>ldhA::kan</i>)	This study
Hi2019 Δ <i>lldD</i> ^{<i>lldD</i>_comp}	Hi2019 Δ <i>lldD</i> containing a functional copy of <i>lldD</i> (Δ <i>lldD::lldD</i>)	This study
Hi2019 Δ <i>dld</i> ^{<i>dld</i>_comp}	Hi2019 Δ <i>dld</i> containing a functional copy of <i>dld</i> (Δ <i>dld::dld</i>)	This study
Hi2019 Δ <i>ldhA</i> ^{<i>ldhA</i>_comp}	Hi2019 Δ <i>ldhA</i> containing a functional copy of <i>ldhA</i> (Δ <i>ldhA::ldhA</i>)	This study
Hi2019 Δ <i>IMPDH</i>	Hi2019 WT with <i>guaB</i> gene disrupted by the insertion of a kanamycin antibiotic resistance cassette (<i>guaB::kan</i>)	This study
Plasmid	Description	Reference or Source

pUC4K	Cloning vector used to isolate the kanamycin resistance cassette. Vector also contains ampicillin resistance cassette.	[5]
pGEM-T Easy	Cloning vector	Promega
pGEM-Hi- <i>lldD</i>	pGEM-T Easy derivative containing a 1000bp DNA fragment carrying the <i>lldD</i> gene and flanking regions	This study
pGEM-Hi- <i>lldD</i> ::kan	pGEM-Hi- <i>lldD</i> with the <i>lldD</i> gene disrupted by a kanamycin antibiotic resistance cassette	This study
pBluescript II SK+	Cloning vector	Stratagene
pBlue-Hi- <i>dld</i>	pBluescript derivative containing a 3098bp DNA fragment carrying the <i>dld</i> gene and flanking regions	This study
pBlue-Hi- <i>dld</i> ::kan	pBlue-Hi- <i>dld</i> with <i>dld</i> gene disrupted by a kanamycin antibiotic resistance cassette	This study
pBlue-Hi- <i>ldhA</i>	pBluescript derivative containing a 2429bp DNA fragment carrying the <i>ldhA</i> gene and flanking regions	This study
pBlue-Hi- <i>ldhA</i> ::kan	pBlue-Hi- <i>ldhA</i> with <i>ldhA</i> gene disrupted by a kanamycin antibiotic resistance cassette	This study
pBlue-Hi- <i>IMPDH</i>	pBluescript derivative containing a 1880bp DNA fragment carrying the <i>guaB</i> gene and flanking regions	This study
pBlue-Hi- <i>IMPDH</i> ::kan	pBlue-Hi- <i>IMPDH</i> with <i>guaB</i> gene disrupted by a kanamycin antibiotic resistance cassette	This study
p601.1-sp2	Cloning vector containing Hi2019 601.1 pseudogene fragments flanking the insertion region and a spectinomycin resistance cassette	Johnston, Zaleski (6)
p601-Hi- <i>lldD</i>	p601.1-sp2 derivative containing a 1200bp DNA fragment carrying a functional copy of the <i>lldD</i> gene region	This study
p601-Hi- <i>dld</i>	p601.1-sp2 derivative containing a 2549bp DNA fragment carrying a functional copy of the <i>dld</i> gene region	This study
p601-Hi- <i>ldhA</i>	p601.1-sp2 derivative containing a 2208bp DNA fragment carrying a functional copy of the <i>ldhA</i> gene region	This study

References

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