

Table S1. Strains, plasmids, and primers employed in this study

Strain, plasmid, primer	Relevant properties	Reference or source
<i>Legionella</i>		
Lp02	Wild type <i>Legionella</i>	Berger & Isberg, 1993
Lp03	<i>dotA</i> mutant	Berger & Isberg, 1993
JV1139	Lp02 + pJB908: wild type + vector	Bardill et al, 2005
JV1141	Lp03 + pJB908: <i>dotA</i> mutant + vector	Bardill et al, 2005
JV1962	$\Delta icmS$	Vincent et al, 2006
JV2700	Lp02 + pJB2588: Lp02 + CyaA-SdeA	Bardill et al, 2005
JV2975	Super Δ P170: $\Delta sdeC \Delta orf2 \Delta sidJ \Delta sdeB \Delta sdeA$	Bardill et al, 2005
JV3991	JV2975 + pJB908: Super Δ P170 + vector	Bardill et al, 2005
JV3908	Lp03 + pJB2588: Lp03 + CyaA-SdeA	Bardill et al, 2005
JV3925	$\Delta sdeC \Delta sdeB$	Bardill et al, 2005
JV3957	$\Delta icmS$ + pJB2588: $\Delta icmS$ + CyaA-SdeA	This study
JV4444	JV2975 + pJB3556: Super Δ P170 + <i>sdeA</i>	This study
JV4451	JV2975 + pJB3543: Super Δ P170 + <i>sdeA</i> overproduction	This study
JV4487	$\Delta sidJ$	This study
JV4622	JV3925 + pJB908: $\Delta sdeC \Delta sdeB$ + vector	This study
JV4925	JV4487 + pJB908: $\Delta sidJ$ + vector	This study
JV4928	JV4487 + pJB3556: $\Delta sidJ$ + <i>sdeA</i>	This study
JV5244	Lp02 + pJB3556: Lp02 + <i>sdeA</i>	This study
JV5500	JV6113 + pJB908: Clean Δ P170 + vector	This study
JV6113	Clean Δ P170: $\Delta sdeC \Delta sdeB \Delta sdeA \Delta sidE$	This study
JV6407	JV6113 + pJB3556: Clean Δ P170 + <i>sdeA</i>	This study
JV6411	JV4487 + pJB2588: $\Delta sidJ$ + CyaA-SdeA	This study
JV6445	Lp02 + pJB3543: Lp02 + <i>sdeA</i> overproduction	This study
JV6450	JV6113 + pJB3543: Clean Δ P170 + <i>sdeA</i> overproduction	This study
JV6451	JV4487 + pJB3543: $\Delta sidJ$ + <i>sdeA</i> overproduction	This study
JV6703	Lp02 + pJB5145: Lp02 + CyaA-SidJ	This study
JV6704	$\Delta icmS$ + pJB5145: $\Delta icmS$ + CyaA-SidJ	This study
JV6736	Lp03 + pJB5145: Lp03 + CyaA-SidJ	This study
JV6755	JV4487 + pJB4047: $\Delta sidJ$ + <i>sidJ</i>	This study
JV6756	JV2975 + pJB4047: Super Δ P170 + <i>sidJ</i>	This study
JV6757	JV6113 + pJB4047: Clean Δ P170 + <i>sidJ</i>	This study
JV6773	Clean Δ P170 + pJB5145: $\Delta icmS$ + CyaA-SidJ	This study
JV6482	Lp02 + pJB5104: CyaA:X fusion vector w/ stop codon	This study
JV6872	JV4487 + pJB5346: $\Delta sidJ$ + SidJ DD	This study
<i>E. coli</i>		
XL1Blue	<i>recA1 endA1 gyrA96 thi-1 hsdR17 supE44 relA1 lac</i> [F' <i>proAB lacI^f ZAM15 Tn10</i> (Tet ^r)]	Stratagene
Yeast		
JY221	Wild type yeast (BY4730), MAT α , <i>leu</i> Δ 0, <i>met15</i> Δ 0, <i>ura3</i> Δ 0	Life Technologies
JY232	Pgal vector (pJB2748) in JY221	This study
JY380	Pgal- <i>sidJ</i> (pJB4060) in JY221	This study
JY382	Pgal- <i>sdeA</i> (pJB3367) in JY221	This study
JY387	Pgal vector + Pcyc vector in JY221	This study
JY388	Pgal vector + Pcyc- <i>sidJ</i> in JY221	This study
JY389	Pcyc- <i>sidJ</i> + Pgal- <i>sdeA</i> in JY221	This study
JY394	Pcyc vector + Pgal- <i>sdeA</i> in JY221	This study
Plasmids		
pJB908	RSF1010 vector, thyA ⁺ , <i>bla</i> , <i>mob</i>	Sexton et al. 2005
pJB1806	pJB908- <i>tdi</i> + Cm ^R	Bardill et al, 2005
pJB1172	pQE30	Qiagen
pJB2182	<i>sdeA</i> complementing clone intermediate clone	Bardill et al, 2005

pJB2265	<i>sdeA</i> complementing clone intermediate clone	Bardill et al, 2005
pJB2559	Pgal- <i>sdeA</i> intermediate clone	
pJB2581	CyaA-X fusion vector	Bardill et al, 2005
pJB2588	CyaA-SdeA	Bardill et al, 2005
pJB2748	Pgal vector (Real name is pBM272)	Johnston & Davis, 1984
pJB2860	HA fusion vector	Lab collection
pJB3238	CyaA-SidJ without stop	Bardill et al, 2005
pJB3365	pJB1806, Amp ^s	This study
pJB3367	Pgal- <i>sdeA</i>	This study
pJB3543	Native promoter <i>sdeA</i> complementing clone	This study
pJB3556	PCR <i>sdeA</i> complementing clone	Bardill et al, 2005
pJB3593	Pcyc vector (real name is BM4426)	Mumberg et al, 1995
pJB3953	<i>sidJ</i> complementing clone intermediate clone	This study
pJB4047	<i>sidJ</i> complementing clone	This study
pJB4060	Pgal- <i>sidJ</i>	This study
pJB4078	Pcyc- <i>sidJ</i>	This study
pJB5104	CyaA-X with stop codon	This study
pJB5139	Cya-SidJ intermediate clone	This study
pJB5145	CyaA-SidJ	This study
pJB5205	CyaA-X w/o HindIII of Cm ^R	This study
pJB5331	His-SidJ in pQE30	This study
pJB5346	SidJ DD mutant (D542A, D545A)	This study
pJB5604	YFP expression RSF1010	This study
pJB5609	His-SidJ DD mutant in pQE30	This study
pJB5619	YFP-SidJ intermediate	This study
pJB5621	YFP-SdeA intermediate	This study
pJB5687	pcDNA3/1 (+), mammalian expression vector	Life Technologies
pJB5708	YFP-SidJ mammalian expression clone	This study
pJB5710	YFP fusion mammalian expression vector	This study
pJB5774	mCherry fusion mammalian expression vector	This study
pJB5787	mCherry-SdeA Mammalian expression clone	This study
pJB5859	pcDNA6.2/N- N-mCherry-DEST	Life Technologies

Primers

JVP856	GGGGGATCCCCTAAGTATGTCTGAAGGGGTAG
JVP857	GGGGTCGACACTTCATGCGATTTGGGTAAAGG
JVP895	CCC <u>G</u> AATTCAGGAGAAATTACTATGCAGCAATCGCATCAGGC
JVP896	CCC <u>G</u> GATTTCATAGCCGGAATCCTGGCGTTCC
JVP993	CAAGGCGCACTCCCGTTCTGG
JVP1284	GGCCAAGGCCACCGCGAGACCCGCAGACCAAAACGATCTCAAG
JVP1381	CCCGTCGACTCACAAACGTTTATCAGTAGTACGTTCCG
JVP1460	CCCGGATCCAGGAGAAATTACTATGTTTGGTTTCATAAAGAAAGTAC
JVP1897	CGTGCACATTTGTTTTAACAGAAGC
JVP1911	CCCGGATCCTCTAGATAAATATTTGAATTTATGTTTGGTTTCATAAAGAAAGTAC
JVP1934	CCCCTGCAGGCGGCCGCTCAATCGACGGACAATCCAACACC
JVP2005	CCCGGATCCTCTAAAGACCTTGAAGTGTATGTTTATAAAGCCCC
JVP2079	GGCTCCCAAAGCAGCCAGACCACTGCTGCGC
JVP2080	GGTCTGGCTGCTTTGGGAGCCAGTCTGCCATAACTAGCCTG
JVP2159	CCCTCTAGATCAGGATCCTTTGTATAGTTCATCCATGCC
JVP2261	CCC <u>G</u> GTACCCGCCACCATGGTCTCTAAGGGCGAGGAAGAC
JVP2262	CCC <u>G</u> GATCCTTTGTACAGCTCATCCATGCC