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| **Table S1.**  Bacterial strains, plasmids, and oligonucleotides used in this study | | |
| Materials | Description | References |
| **Bacterial strains** |  |  |
| *Listeria monocytogenes* |  |  |
| EGD-e | Wild-type serotype 1/2a strain | [1] |
| *ΔsigL* | 1290 bp in-frame deletion of the *sigL* gene | [2] |
| *ΔsigB* | 726 bp in-frame deletion of the *sigB* gene | This study |
| *ΔsigBL* | 726 and 1290 bp in-frame deletion of the *sigB* and *sigL* genes | This study |
| *Escherichia coli* |  |  |
| XL-1 Blue | Wild-type laboratory strain for routine plasmid propagation and cloning applications | [3] |
| **Plasmids** |  |  |
| pKSV7 | Temperature-sensitive Gram-positive bacteria integrational vector | [4] |
| **Oligonucleotides** |  |  |
| *Slicing-by-overlap extension (SOE) primers* | | |
| SOE-P-sigB-Aa | CCGGAATTCCAGCGCCAAAGGTAAAAGAAGCA | This study |
| SOE-P-sigB-Bb | *GCAACGCCTCTCGAAGTTGAGATACTTTTGG*CATTCTCCTC | This study |
| SOE-P-sigB-Cb | *CCAAAAGTATCTCAACTTCGAGAGGCGTTGC*AGAAT | This study |
| SOE-P-sigB-Dc | TCCCCCGGG TTCCGGAAATTTCCCAACCATAAAAG | This study |
| SOE-P-rpoN-Aa | CGGGATCCACCGCGCAGGACGCGT | [5] |
| SOE-P- rpoN-Bd | *CGTTTAGAATCTAATAATATTCCTTCTTCC*TCTAAAAGAAAAAGAT | [5] |
| SOE-P- rpoN-Cd | *AGGAAGAAGGATATTATTAGATTCTAAACG* CACATTAAAACCTC | [5] |
| SOE-P- rpoN-Da | GGAATTCCAGGACTAACTCGCTTCGGA | [5] |
| *Real-time PCR primers* |  |  |
| *16S rRNA* forward | GATGCATAGCCGACCTGAGA | [2] |
| *16S rRNA* reverse | CTCCGTCAGACTTTCGTCCA | [2] |
| *lmo0096* forward | GATTCACGTCTCTTGCATGGT | [2] |
| *lmo0096* reverse | CTGGTGGTGCAGCTTGTTC | [2] |
| *lmo0137* forward | ACACGAGAGCGGAGTTTTTG | [2] |
| *lmo0137* reverse | AGGGTCATAAGGCGAAAGGA | [2] |
| *lmo0685* forward | cgtgctttggacaccattt | [2] |
| *lmo0685* reverse | tctcgttttcttcccttttcc | [2] |
| *lmo2625* forward | TCGGATGGGTAAAGGTAAAGG | [2] |
| *lmo2625* reverse | AGTTTTGACCGGCAGTTTGT | [2] |
|  |  |  |
|  |  |  |

aThe *Eco*RI recognition sequence incorporated in primer to facilitate cloning is underlined.

bThe complementary overhang regions in SOE-P-SigB-B and SOE-P-SigB-C SOE PCR primers are in italics.

c The *Sma*I recognition sequence incorporated in primer to facilitate cloning is underlined.

dThe complementary overhang regions in SOE-P-SigL-B and SOE-P-SigL-C SOE PCR primers are in italics.

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