

Table S1. Bacterial strains and plasmids used in this study.

Strain or Plasmid	Genotype ^a	Reference or Source
Strain		
<i>L. monocytogenes</i>		
EGD-e	Wild-type strain; deposition number ATCC® BAA-679™	A gift from Qin Luo
EGD-epPTPL-P ₂	EGD-e containing pPTPL-P ₂	49
Δ <i>agrBDCA</i>	In-frame deletion of <i>agrBDCA</i>	21
Δ <i>agrBD</i>	In-frame deletion of <i>agrBD</i>	This study
Δ <i>agrC</i>	In-frame deletion of <i>agrC</i>	This study
Δ <i>agrA</i>	In-frame deletion of <i>agrA</i>	49
C Δ <i>agrBDCA</i>	Complemented strain of Δ <i>agrBDCA</i>	This study
C Δ <i>agrBD</i>	Complemented strain of Δ <i>agrBD</i>	This study
C Δ <i>agrC</i>	Complemented strain of Δ <i>agrC</i>	This study
C Δ <i>agrA</i>	Complemented strain of Δ <i>agrA</i>	49
Δ <i>agrBDCA</i> pERL3	Δ <i>agrBDCA</i> containing pERL3	This study
Δ <i>agrBD</i> pERL3	Δ <i>agrBD</i> containing pERL3	This study
Δ <i>agrC</i> pERL3	Δ <i>agrC</i> containing pERL3	This study
Δ <i>agrA</i> pERL3	Δ <i>agrA</i> containing pERL3	49
Δ <i>agrBD</i> pERL3- <i>agrC</i>	Δ <i>agrBD</i> containing pERL3- <i>agrC</i>	This study
Δ <i>agrC</i> pERL3- <i>agrBD</i>	Δ <i>agrC</i> containing pERL3- <i>agrBD</i>	This study
Δ <i>lmo1172</i>	In-frame deletion of <i>lmo1172</i>	This study
Δ <i>agrA</i> Δ <i>lmo1172</i>	In-frame deletion of <i>agrA</i> and <i>lmo1172</i>	This study
Δ <i>agrA</i> Δ <i>lmo1172</i> pERL3- <i>agrA</i>	Δ <i>agrA</i> Δ <i>lmo1172</i> containing pERL3- <i>agrA</i>	This study
Δ <i>agrA</i> Δ <i>lmo1172</i> pERL3- <i>lmo1172</i>	Δ <i>agrA</i> Δ <i>lmo1172</i> containing pERL3- <i>lmo1172</i>	This study
Δ <i>lmo1173</i>	In-frame deletion of <i>lmo1173</i>	This study
Δ <i>lmo1172</i> Δ <i>lmo1173</i>	In-frame deletion of <i>lmo1172</i> and <i>lmo1173</i>	This study

<i>ΔagrAΔlmo1173</i>	In-frame deletion of <i>agrA</i> and <i>lmo1173</i>	This study
<i>Δlmo1172</i> pPTPL-P ₂	<i>Δlmo1172</i> containing pPTPL-P ₂	This study
<i>E. coli</i>		
DH5α	Chemical competent strain	Biomed, Beijing, China
BL21(DE3)	Expression host	Biomed, Beijing, China
C43(DE3)	Expression host	Biomed, Beijing, China
Plasmid		
pPTPL-P ₂	pPTPL containing the putative promoter region of the <i>agr</i> operon	49
pMAD	Cloning shuttle integration vector plasmid, Amp ^R and Ery ^R	27
pMAD- <i>ΔagrBD</i>	pMAD containing homologous arms up- and downstream of EGD-e <i>agrBD</i>	This study
pMAD- <i>ΔagrC</i>	pMAD containing homologous arms up- and downstream of EGD-e <i>agrC</i>	This study
pERL3	Plasmid capable of replication in <i>L. monocytogenes</i> , Ery ^R	28
pERL3- <i>agrBDCA</i>	pERL3 containing the upstream region and coding sequence of <i>agrBDCA</i>	This study
pERL3- <i>agrBD</i>	pERL3 containing the promoter region and coding sequence of <i>agrBD</i>	This study
pERL3- <i>agrC</i>	pERL3 containing the promoter region and coding sequence of <i>agrC</i>	This study
pERL3- <i>agrA</i>	pERL3 containing the promoter region and coding sequence of <i>agrA</i>	49
pERL3- <i>lmo1172</i>	pERL3 containing the upstream region and coding sequence of <i>lmo1172</i>	This study
pET28a	Expression vector, Amp ^R	Biomed, Beijing, China
pET32a- <i>lmo1172</i>	pET28a containing the full length of <i>lmo1172</i>	This study
pET28a- <i>lmo1173</i>	pET28a containing the full length of <i>lmo1173</i>	This study

^a Amp^R: resistance to ampicillin; Ery^R: resistance to erythromycin.