

Table S1. Bacterial strains and plasmids used in this study

Strain or plasmid	Description	Antibiotic resistance	Reference or source
Strains			
D39s	D39 derivative, rpsL1	Sm ^R	This study
D39Δ <i>ccpA</i>	Complete replacement of <i>ccpA</i>	Sm ^R	This study
D39Δ <i>ccpA</i> :: <i>ccpA</i>	Ectopic expression of <i>ccpA</i>	Chl ^R	This study
D39Δ <i>ptsH</i> :: <i>JC</i>	Replacement of <i>ptsH</i> by Janus cassette	Sm ^R	This study
D39Δ <i>ptsH</i>	Complete replacement of <i>ptsH</i>	Kana ^R	This study
D39Δ <i>ptsH</i> :: <i>ptsH</i>	Ectopic expression of <i>ptsH</i>	Chl ^R	This study
HPr S46D	Phosphorylation at serine 46 of <i>ptsH</i>	Sm ^R	This study
D39s- <i>Pcps-luc</i>	<i>Pcps</i> luciferase reporter plasmid was inserted into D39s	Chl ^R	This study
D39Δ <i>ccpA</i> - <i>Pcps-luc</i>	<i>Pcps</i> luciferase reporter plasmid was inserted into D39Δ <i>ccpA</i>	Chl ^R	This study
D39Δ <i>ptsH</i> - <i>Pcps-luc</i>	<i>Pcps</i> luciferase reporter plasmid was inserted into D39Δ <i>ptsH</i>	Chl ^R	This study
Plasmids			
pIB166- <i>ccpA</i>	Shuttle vector carrying <i>ccpA</i>	Chl ^R	This study
pIB166- <i>ptsH</i>	Shuttle vector carrying <i>ptsH</i>	Kana ^R	This study
pET-28a-CcpA	Plasmid expressing CcpA protein	Kana ^R	This study
pET-28a-HPr	Plasmid expressing HPr protein	Kana ^R	This study
pET-28a-HPr-Ser46~P	Plasmid expressing HPr-Ser46~P protein	Kana ^R	This study