Appendix A. Strains and plasmids used in this study

Strain or plasmid	Description[a]	Source or reference
***Burkholderia glumae* (*B. glumae*)**		
LMG 2196^{T}	Wild type strain of *B. glumae*	Kindly provided by Prof. Guanlin Xie from Zhejiang University
LMG 2196$^{\Delta syp}$	LMG 2196 deletion mutation defective in *syp*	This study
Escherichia coli		
DH5α	Bacterial host for gene cloning	Laboratory collection
S17-1(λ pir)	Bacterial host for gene cloning	Laboratory collection
BL21(DE3)	Bacterial host for protein expression	Novagen
Plasmids		
pGEM-T	Amp^{R}; cloning vector	Promega
pUFR034	IncW Nm^{r} Mob^{+}*mob* (P) lacZ alpha Par^{+}*cos*	Laboratory collection
pKMS1	Km^{R}; R6K-based suicide vector; requires the *pir*-encoded π protein for replication	Laboratory collection
LMG 2196-pUFR034	Empty vector control	This study
pKMS1- syp	Km^{R}; Used to create knockout mutant of LMG 2196^{syp}	This study
pUFR034- syp	Km^{R}; Used to create complement of LMG 2196^{syp}	This study

[a]Km^{R} and Amp^{R} indicate kanamycin and ampicillin resistant

Appendix B Schematic diagram about gene knockout of *syp*.

Appendix C List of oligonucleotide polymerase chain reaction (PCR) primers used in this study

Primer name	Nucleotide sequence (5'-3') [a]	Target PCR product of function
Pr1-F	TGAGGATCCTTCTGCAGGCTGATGAAATC (B)	1009 bp
Pr1-R	CCGGAATTCGGCTTGCGGTAAGGTGTG (E)	
Pr2-F	CCGGAATTCCGAGGTGTACATCACGTAGGC (E)	1220 bp
Pr2-R	TGTCAGTCGAGAGCTGCAGGAACTGATCG (S)	
Pr3-F	CCGGAATTC GCAGATAGACCTGCGTGTTG (E)	948 bp
Pr3-R	TGTCAGTCGA AGGTCCGGCTCAGCTACC (S)	
Pr4-F	CCGGAATTC AAGCGCTGGTAGCGATAGTC (E)	
Pr4-R	CCGGAATTC GCACCCGTCTACAACATCG (S)	1014 bp
Pr5-F	CCGGAATTC CTATGCGCTCGTATCGAGGT (E)	
Pr5-R	CCGGAATTC GATATCGGCTCGCTGGTCT (S)	1072 bp
syp-F	TGAGGATCCATGAATAACAATGTGCCGAA (B)	
syp-R	TGTCAGTCGATCACGGCGCGTCCGGCGCGT (S)	23,421 bp including *syp*

[a] Underlined nucleotides in some of the PCR primers represent restriction sites of enzymes indicated in parentheses (E=*Eco*RI; B=*Bam*HI; S=*Sal*I). The corresponding enzymes were used to excise the obtained PCR products.