Supplementary Table S4. List of strains used in this study

Strains	Description	Source
E. coli DH5α λpir	For gene cloning	Weidi Biotech
A. baylyi ADP1	Wild type strain	Lab storage
ADXY	ADP1-*xylABE*. Based on the ADP1 wild type strain, the *xylABE* gene cluster was randomly inserted through transposon insertion.	This study
ADXY-Δ*gcd*	ADXY-Δ*gcd::SmR.* Remove the *gcd* locus in the ADXY and insert the streptomycin resistance gene at this location.	This study
ADXY-Δ*gcd*::*LmXPK-CkPTA*	ADXY-Δ*gcd::LmXPK-CkPTA-SmR*. Remove the *gcd* locus in ADXY and insert the *LmXPK-CkPTA-SmR* at this position.	This study
ADXY-Δ*gcd* Δ*acr1*	ADXY-Δ*gcd::SmR* Δ*acr1::CmR*. Remove the *acr1* locus in the ADXY Δ*gcd* and insert the chloramphenicol resistance gene at this location.	This study
ADXY-Δ*gcd*::*LmXPK-CkPTA* Δ*acr1*	ADXY-Δ*gcd::LmXPK-CkPTA-SmR* Δ*acr1::CmR.* Remove the *acr1* locus in the ADP1-*xylABE* Δ*gcd::LmXPK-CkPTA-SmR* and insert the chloramphenicol resistance gene at this location.	This study