

Table S3 Plasmids information

plasmid	description	source
pET28a	For pET28a- <i>nagZ</i> -6His vector construction	Purchase from Sangon Biotech Co.,Ltd
pET28a- <i>nagZ</i> -6His	For <i>nagZ</i> overexpression	Prepared in this study
pLP12	For <i>nagZ</i> knockout construction	Purchase from Knogen Biotech Co., Ltd
pBAD33cm-rp4(pBAD33)	For <i>nagZ</i> knockout construction and <i>nagZ</i> overexpression	Purchase from Knogen Biotech Co., Ltd
pBAD33- <i>nagZ</i>	For <i>nagZ</i> overexpression	Prepared in this study