

**Table S1.** Plasmids used in this study.

Plasmid	Relevant characteristics <sup>a</sup>	Reference or source
pGEM-T Easy	Ap <sup>r</sup> , cloning vector	Promega
pPS858-Eco	Ap <sup>r</sup> , Gm <sup>r</sup> , source of Gm <sup>r</sup> -GFP- <i>FRT</i> cassette	[67]
pEX18Ap	Ap <sup>r</sup> , gene replacement vector	[67]
pEX18Ap.ABC58-ko.Gm-GFP	Ap <sup>r</sup> , Gm <sup>r</sup> , contains a 2.8-kb fusion fragment of PA14_58420, Gm <sup>r</sup> -GFP- <i>FRT</i> cassette, and PA14_58500	This study
pEX18Gm	Gm <sup>r</sup> , gene replacement vector	[67]
pEX18Gm.SBP58350-ko	Gm <sup>r</sup> , contains a 1.1-kb fusion fragment of PA14_58350 and PA14_58360	This study
pEX18Gm.SBP58390-ko	Gm <sup>r</sup> , contains a 1.5-kb fusion fragment of PA14_58390	This study
pEX18Gm.SBP58420-ko	Gm <sup>r</sup> , contains a 1.2-kb fusion fragment of PA14_58420	This study
pEX18Gm.SBP70200-ko	Gm <sup>r</sup> , contains a 1.4-kb fusion fragment of PA14_70200	This study
pBBR1MCS-5	Gm <sup>r</sup> , broad-host-range cloning vector	[69]
pBBR5.DppA1	Gm <sup>r</sup> , contains a 2.0-kb fragment carrying the SBP PA14_58350 including upstream promoter region in opposite orientation with respect to the <i>lac</i> promoter	This study
pBBR5.DppA2	Gm <sup>r</sup> , contains a 1.7-kb fragment carrying the SBP PA14_58360 including upstream promoter region in opposite orientation with respect to the <i>lac</i> promoter	This study
pBBR5.DppA3	Gm <sup>r</sup> , contains a 1.9-kb fragment carrying the SBP PA14_58390 including upstream promoter region in opposite orientation with respect to the <i>lac</i> promoter	This study
pBBR5.DppA4	Gm <sup>r</sup> , contains a 1.8-kb fusion fragment carrying the SBP PA14_58420 including upstream promoter region in opposite orientation with respect to the <i>lac</i> promoter	This study
pBBR5.DppA5	Gm <sup>r</sup> , contains a 2.0-kb fragment carrying the SBP PA14_70200 including upstream promoter region in opposite orientation with respect to the <i>lac</i> promoter	This study
pFLP2	Ap <sup>r</sup> , source of FLP recombinase	[67]

<sup>a</sup> Antibiotic resistance: Ap<sup>r</sup>, ampicillin resistance; Gm<sup>r</sup>, gentamicin resistance