

**Table S1** - List of strains and plasmids used in this work

Strain	Relevant marker (s) or genotype <sup>a</sup>	Source or reference	
<b>wt (CGSC 6300)</b>	MG1655 F <sup>-</sup> λ <sup>-</sup> rph-1	(1)	
<b>MC1061</b>	F <sup>-</sup> Δ( <i>ara-leu</i> )7697 [ <i>araD</i> 139]B/r Δ( <i>codB-lacI</i> )3 <i>galK</i> 16 <i>galE</i> 15 λ <sup>-</sup> e14 <sup>-</sup> <i>mcrA</i> 0 <i>relA</i> 1 <i>rpsL</i> 150( <i>strR</i> ) <i>spoT</i> 1 <i>mcrB</i> 1 <i>hsdR</i> 2(r-m+) <i>recA</i> 1 <i>endA</i> 1 <i>gyrA</i> 96 <i>thi-hsdR</i> 17 <i>supE</i> 44 <i>relA</i> 1 Δ( <i>lacZYA</i> <sup>-</sup> <i>argF</i> )U169 <i>φ</i> 80 <i>dlacZΔM15</i>	(2)	
<b>DH5α</b>		New England Biolabs	
<b>BL21(DE3)</b>	F <sup>-</sup> <i>ompT</i> <i>hsdSB</i> (rB <sup>-</sup> , mB <sup>-</sup> ) <i>gal dcm</i> (DE3)	Invitrogen	
<b>CMA50</b>	BL21(DE3) carrying pPFA02 plasmid	(3)	
<b>CMA94</b>	MG1655 Δ <i>bolA</i> ::Kan <sup>r</sup>	This study	
<b>CMA95</b>	MG1655 Δ <i>bolA</i> ::Kan <sup>r</sup> carrying pCDA02 plasmid	This study	
<b>CMA96</b>	MG1655 <i>bolA</i> ::3xFlag-Kan <sup>r</sup>	This study	
<b>CMA97</b>	MG1655 carrying pMAK580 plasmid	This study	
<b>CMA98</b>	MG1655 Δ <i>bolA</i> ::Kan <sup>r</sup> carrying pBAD plasmid	This study	
<b>CMA99</b>	MG1655 carrying pBAD plasmid	This study	
<b>CMA805</b>	MC1061 Δ <i>bolA</i> ::kan <sup>r</sup>	This study	
<b>CMA806</b>	MC1061 carrying pSP417 plasmid	This study	
<b>CMA807</b>	MC1061 Δ <i>bolA</i> ::kan <sup>r</sup> carrying pSP417 plasmid	This study	
<b>CMA808</b>	MC1061 carrying pSBA01 plasmid	This study	
<b>CMA809</b>	MC1061 Δ <i>bolA</i> ::kan <sup>r</sup> carrying pSBA01 plasmid	This study	
<b>CMA810</b>	MC1061 carrying pSBA02 plasmid	This study	
<b>CMA811</b>	MC1061 Δ <i>bolA</i> ::kan <sup>r</sup> carrying pSBA02 plasmid	This study	
Plasmid	Description	Origin/marker <sup>a</sup>	Source or reference
<b>pPFA02</b>	pET28a plasmid encoding (His) <sub>6</sub> -Bola	Kan <sup>r</sup>	(3)
<b>pBAD24</b>	Arabinose-inducible plasmid	Amp <sup>r</sup>	Invitrogen
<b>pMAK580</b>	pBR325 encoding <i>bolA</i> with its own promoters	pBR325/Cat <sup>r</sup>	(4)
<b>pSUB11</b>	Plasmid encoding the 3xflag sequence	Kan <sup>r</sup>	(5)
<b>pCDA02</b>	pBAD encoding <i>bolA</i>	pBAD/Amp <sup>r</sup>	This study
<b>pSP417</b>	Plasmid encoding <i>lacZ</i>	pBR322/Amp <sup>r</sup>	(6)
<b>pSBA01</b>	pSP417 encoding <i>lacZ</i> under the control of <i>mreBCD</i> promoter	pSP417/Amp <sup>r</sup>	This study
<b>pSBA02</b>	pSP417 encoding <i>lacZ</i> under the control of a modified <i>mreBCD</i> promoter	pSP417/Amp <sup>r</sup>	This study

<sup>a</sup> Abbreviations: Kan, kanamycin; Amp, ampicillin; Cam, chloramphenicol;

## References

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