Supplementary Table S1: Plasmids used in this study

Plasmid name	Description	Source or reference
pJET1.2/blunt	Cloning vector; Amp^R	Fermentas, Schwerte
pBBR-MCS2	Mobilizable broad-host-range vector; Km^R	M. E. Kovach, *et al,.* 1995
pBAM1	Km^R, Amp^R, oriR6K, *tnpA*	E. Martinez-Garcia, *et al.*, 2011
pORFM	pK19mobGII, universal in-frame deletion/in-frame fusion vector with GalK-based counterselection and MCS	O. Raschdorf and F. Müller, 2014
pMA-T GBPopt	Amp^R,ColE1 ori, *maggbp*	GeneArt® (Invitrogen), life technologies, Darmstadt
pGH-Trpl GBP	Amp^R, *maggbp-gbp-maggbp*	ATG:biosynthetics, Merzhausen
pSB6	pBAM1 with P$_{mamDC45}$, *magegfp*, Km^R, Amp^R	S. Borg, *et al.*, 2014
pSB7	pBAM1 with P$_{tet}$, *magegfp*, P$_{Neo}$-TetR, Km^R, Amp^R	S. Borg, *et al.*, 2014
pFP66	fusion of *cheW$_1$-egfp-cheW$_1$* downstream fragment inserted into pORFM	this study
pJH01	pAP150 with P$_{mamDC45}$, *cheW$_1$-egfp*, Km^R	this study
pJH16	pBAM1 with P$_{mamDC45}$, *mamC-maggbp*, Km^R, Amp^R	this study
pJH17	pBAM1 with P$_{tet}$, *mamC-maggbp*, P$_{Neo}$-TetR, Km^R, Amp^R	this study
pJH39	pBAM1 with P$_{mamDC45}$, *mamC-maggbp-gbp*, Km^R, Amp^R	this study
pJH40	pBAM1 with P$_{tet}$, *mamC-maggbp-gbp*, P$_{Neo}$-TetR, Km^R, Amp^R	this study
pJH60	pBAM1 with P$_{mamDC45}$, *mamC-mCherry-maggbp*, Km^R, Amp^R	this study
pJH61	pBAM1 with P$_{tet}$, *mamC-mCherry-maggbp*, P$_{Neo}$-TetR, Km^R, Amp^R	this study
pJH97	pBAM1 with P$_{mamDC45}$, *mamC-maggbp-gbp-maggbp*, Km^R, Amp^R	this study
pJH100	pORFM with fused up- and downstream region of *cheW$_1$* for deletion of *cheW$_1$*	this study
pJH104	pBAM1 with P$_{mamDC45}$, *maggbp*, Km^R, Amp^R	this study