

Supplementary Table 2. Plasmids used in the study.

Plasmid	Relevant characteristics ^a	Reference or origin ^b
pCRII	cloning vector; Ap and Km	Invitrogen
pCR2.1	cloning vector; Ap and Km	Invitrogen
pAcGFP	vector encoding the green fluorescent protein AcGFP1, Ap	Addgene
pETMCN-EATNH	expression vector, Km	1
pKD4	ori6K vector, source of Km ^R cassette, Km flanked by FRT sites	2
pEP1013	vector encoding the Red recombinase, Ap	3
pEP1436	vector derived from pEP1013 and encoding the endonuclease I-SceI, Ap	This work
pEP1042	derived from pKD4, source of Zeo ^R cassette flanked by FRT sites	3
pEP1087	derived from pKD4, source of Tp ^R cassette flanked by FRT sites	3
pEP1237	derived from pKD4, source of Er ^R cassette flanked by FRT sites	This work
pEP1326	derived from pKD4, source of Sm ^R cassette by FRT sites	This work
pEP864	derived from pKD4, source of Er ^R cassette (no FRT)	This work
pEP865	derived from pKD4, source of Sm ^R cassette (no FRT)	This work
pEP866	derived from pKD4, source of Zeo ^R cassette (no FRT)	This work
pEP1446	derived from pKD4, source of Km ^R cassette with I-SceI site (no FRT)	This work
pEP1454	derived from pKD4, source of Tp ^R cassette (no FRT)	This work
pAil	pBluescript KS(-) expressing <i>ail</i>	4
pCH16	pACYC177 constitutively expressing <i>ymt</i>	5
pAD1	pCRII topo containing <i>rpiA</i> (y3302) under the control of its putative promoter	This work
pAD2	pCR2.1 containing <i>rpiA2</i> (y2892) under plac promoter	This work
pAD3	pCRII topo containing <i>rpiA</i> (y3302) open reading frame	This work
pAD4	pCRII topo containing <i>rpiA2</i> (y2892) open reading frame	This work
pAD5	pETMCN-EATNHΩ, NdeI / XbaI insert from pAD3	This work
pAD6	pETMCN-EATNHΩ, NdeI / XbaI insert from pAD4	This work
pAD7	pCRII containing <i>rep</i> under the control of its putative promoter	This work
pAD8	pCRII containing <i>hdfR</i> under the control of its putative promoter	This work
pAD9	pCRII containing <i>glpD</i> under the control of its putative promoter	This work

a, Ap^R, Km^R, Tp^R, Zeo^R, Er^R, Sm^R resistance to ampicillin, kanamycin, trimethoprim, zeocin, erythromycin and streptomycin respectively

b, references are provided in supplementary text