

No	Strain	Accession No
1	<i>E. amylovora</i> LA092	WP_099319755
2	<i>E. amylovora</i> MAGFLFL 2	WP_004155189.1
3	<i>E. amylovora</i> 01SFRBO	CCO88626.1
4	<i>E. amylovora</i> ATCC 49946	CBJ47694.1
5	<i>E. amylovora</i> CFBP1430	CBA19342.1
6	<i>E. amylovora</i> CTBT3-1	WP_004155189.1
7	<i>E. amylovora</i> UPN527	CCO97736.1
8	<i>E. amylovora</i> E-2	WP_004155189.1
9	<i>E. amylovora</i> NHSB01-1	WP_004155189.1
10	<i>E. amylovora</i> CTBT3-1	WP_004155189.1
11	<i>E. amylovora</i> MASHBO	WP_004155189.1
12	<i>E. oleae</i> DAPP-PG531	WP_034949502.1
13	<i>P. ananatis</i> LMG 5342	CCF08502.1
14	<i>P. parmentieri</i> WPP163	ACX87181.1

15	<i>P. atrosepticum</i> SCRI1043	CAG75753.1
16	<i>P. carotovorum</i> PCC21	AFR04662.1
17	<i>D. zeae</i> Ech586	ACZ75307.1
18	<i>E. coli</i> W_1	WP_001095907.1
19	<i>E. coli</i> W_2	WP_000691790.1
20	<i>E. coli</i> BW25113_1	AIN30763.1
21	<i>E. coli</i> BW25113_2	AIN33039.1
22	<i>E. coli</i> BW25113_3	AIN32423.1
23	<i>E. coli</i> CFT073_1	AAN80986.1
24	<i>E. coli</i> CFT073_2	AAN78757.1
25	<i>E. coli</i> CFT073_3	AAN82125.1
26	<i>E. coli</i> CFT073_4	AAN79761.1
27	<i>E. coli</i> CFT073_5	AAN83010.1
28	<i>E. coli</i> CFT073_6	AAN83571.1
29	<i>E. coli</i> O157:H7 Sakai_1	WP_000854914.1
30	<i>E. coli</i> O157:H7 Sakai_2	WP_000854712.1
31	<i>E. coli</i> O157:H7 Sakai_3	WP_001303564.1

Table S2. Strains and plasmids used in the study.

Strains and Plasmids	Relevant Characters	Source
<i>Escherichia coli</i>		
DH5 α	F - 80dlacZ Δ M15 Δ (lacZYA-argF)U169 endA1 recA1 hsdR17(r K - m K +) deoR thi-1 supE44 gyrA96 relA1 λ	Invitrogen
BL21(DE3)	fhuA2 ompT gal (λ DE3) (dcm) Δ hsdS λ DE3 = λ sBamHI Δ EcoRI-B int:: (lacI::PlacUV5::T7 gene1) i21 Δ nin5	Coli Genetic Stock Center (CGSC)
BW25113	<i>lacI^h rrnB^{r14} ΔlacZ_{WJ16} hsdR514 ΔaraBAD_{AH33} ΔrhaBAD_{LD78}</i>	CGSC
<i>Erwinia amylovora</i>		
CTBT3-1	Wild type	[3]
Plasmids		
pENTR-D-Topo	Entry vector for Gateway cloning technology, Km ^R	Invitrogen
pENTR-D-topocbtA	<i>cbtA</i> from CTBT3-1 cloned into pENTR-D-topo, Km ^R	This study
pENTR-D-topocbeA	<i>cbeA</i> from CTBT3-1 cloned into pENTR-D-topo, Km ^R	This study
pENTR-D-topoGNAT	Gene encoding GNAT protein from CTBT3-1 cloned into pENTR-D-topo, Km ^R	This study
pENTR-D-topoXG	<i>xre</i> -GNAT loci from CTBT3-1 cloned into pENTR-D-topo, Km ^R	This study
pENTR-D-topocbtAEc	<i>cbtA</i> from <i>E. coli</i> strain BW25113 cloned into pENTR-D-topo, Km ^R	This study
pENTR-D-TopoftsZEc	<i>ftsZ</i> from <i>E. coli</i> strain BW25113 cloned into pENTR/D-topo, Km ^R	This study
pENTR-D-topomreB	<i>mreB</i> from CTBT3-1 cloned into pENTR-D-topo, Km ^R	This study
pENTR-D-topoftsZ	<i>ftsZ</i> from CTBT3-1 cloned into pENTR-D-topo, Km ^R	This study
pDEST-527	Gateway destination vector for <i>E. coli</i> expression, T7 promoter, N-terminal 6xHis tag, Amp ^R , Cm ^R	Addgene.org
pDEST-cbtA	insert from pENTR-D-topocbtA recombined into pDEST-527, Amp ^R	This study
pDEST-GNAT	insert from pENTR-D-topoGNAT recombined into pDEST-527	This study
pDEST-xre-GNAT	insert from pENTR-D-topoXG recombined into pDEST-527, Amp ^R	This study
pBAD33	Expression vector allowing cloning of target genes downstream of the P _{BAD} promoter, Cm ^r	[23]

pBAD- <i>parE</i>	XbaI-HindIII flanked <i>parE</i> from CTBT3-1 cloned in pbad33, Cm ^r	This study
pBAD- <i>rrh-parE</i>	XbaI-HindIII flanked <i>rrh-parE</i> loci from CTBT3-1 cloned in pbad33, Cm ^r	This study
pBAD- <i>doc</i>	XbaI-HindIII flanked <i>doc</i> from CTBT3-1 cloned in pbad33, Cm ^r	This study
pBAD- <i>phd-doc</i>	XbaI-HindIII flanked <i>phd-doc</i> loci from CTBT3-1 cloned in pbad33	This study
pBAD- <i>hicA</i>	XbaI-HindIII flanked <i>hicA</i> from CTBT3-1 cloned in pbad33, Cm ^r	This study
pBAD- <i>vapC</i>	Xba-HindIII flanked <i>vapC</i> from pEA29 plasmid cloned in pbad33, Cm ^r	This study
pEVS143	Broad-host-range cloning vector; inducible Cm ^r and GFP; Km ^r	[24]
pEVScv	150 bp of EAMY 1412 cloned into EcoRI-BamHI sites of pesv143, Km ^r	This study
pEVS- <i>cbtA</i>	EcoRI-BamHI flanked <i>cbtA</i> from CTBT3-1 cloned into pesv143, Km ^r	This study
pEVS- <i>cbeA-cbtA</i>	EcoRI-BamHI flanked <i>cbeA-cbtA</i> loci from CTBT3-1 cloned into pesv143, Km ^r	This study
pEVS- <i>hicA</i>	EcoRI-BamHI flanked <i>hicA</i> from CTBT3-1 cloned into pesv143, Km ^r	This study
pEVS- <i>vapC</i>	EcoRI-BamHI flanked <i>vapC</i> from pEA29 plasmid cloned into pesv143, Km ^r	This study
pACTGW-attR	Gateway destination vector with Gal4-AD domain, Amp ^R	[25]
pASGW-attR	Gateway destination vector with Gal4-BD domain, Amp ^R	[25]
pACTGW-attR <i>cbtA</i>	Insert from pENTR/D-topo <i>cbtA</i> recombined into pACTGW-attR, Amp ^R	This study
pACTGW-attR <i>cbeA</i>	Insert from pENTR/D-topo <i>cbeA</i> recombined into pACTGW-attR, Amp ^R	This study
pACTGW-attR <i>rmreB</i>	Insert from pENTR/D-topo <i>rmreB</i> recombined into pACTGW-attR, Amp ^R	This study
pACTGW-attR <i>ftsZ</i>	Insert from pENTR/D-topo <i>ftsZ</i> recombined into pACTGW-attR, Amp ^R	This study
pACTGW-attR <i>cbtA</i> Ec	insert from pENTR/D-topo <i>cbtA</i> Ec recombined into pACTGW-attR, Amp ^R	This study
pACTGW-attR <i>ftsZ</i> Ec	insert from pENTR/D-topo <i>ftsZ</i> Ec recombined into pACTGW-attR, Amp ^R	This study
pASGW-attR <i>cbtA</i>	Insert from pENTR/D-topo <i>cbtA</i> recombined into pASGW-attR, Amp ^R	This study
pASGW-attR <i>cbeA</i>	Insert from pENTR/D-topo <i>cbeA</i> recombined into pASGW-attR, Amp ^R	This study
pASGW-attR <i>rmreB</i>	Insert from pENTR/D-topo <i>rmreB</i> recombined into pASGW-attR, Amp ^R	This study
pASGW-attR <i>ftsZ</i>	Insert from pENTR/D-topo <i>ftsZ</i> recombined into pASGW-attR, Amp ^R	This study
pASGW-attR <i>cbtA</i> Ec	insert from pENTR/D-topo- <i>cbtA</i> Ec recombined into pASGW-attR, Amp ^R	This study
pASGW-attR <i>ftsZ</i> Ec	insert from pENTR/D-topo- <i>ftsZ</i> Ec recombined into pASGW-attR, Amp ^R	This study

Table S3. Primers used in the study.

Primer	Sequence 5'-3'
cbtA _{topo} F	caccatgcacatttcaactgtaccg

cbtAtopo R	ttaaatatttattaatccggtagctcg
GNATtopoF	caccatgacggactatcaatgg
GNATtopoR	ttagagcgattcagcgatatac
XGtopoF	caccctgaggctggaaaaaactgg
EccbAtopo F	caccatgaaaacattacctgtattaccg
EccbAtopo R	tcatttcgcctccggatactta
pBADparEF	gatctctagaaggaggagagtaatgagctatgaactgctcttcg
pBADparER	gatcaagctt tcaaagccttataaccaacatt
pBADrhhF	gatctctagaaggaggagagtaatgagacaactcgcgaacaga
pBADhicF	gatctctagaaggaggagagtaatgatagaggccgatggat
pBADhicR	gatcaagctt ttaaagccccgcctgttt
pBADdocF	gatctctagaaggaggagagtaatgacggactatcaatgg
pBADdocR	gatcaagctt ttagagcgattcagcgatatac
pBADphdF	gatctctagaaggaggagagtaatgcaagctataaaactttactaccg
pBADvapF	gatctctagaaggaggagagtaatgttcatggcctatgagccagaaa
pBADvapR	gatcaagcttctaccggggcgggggcagt
pbadrhhF	gatctctagaaggaggagagtaatgagacaactcgcgaacaga
pbadphdF	gatctctagaaggaggagagtaatgcaagctataaaactttactaccg
pEVScbtA F	gatcgaattcatgcacatttcaactgtaccg
pEVScbtA R	gatcggatccttaaatatttattaatccggtagctcg
pEVShic F	gatcgaattcatgatagaggccgatggatg
pEVShic R	gatcggatccttaaaagccccgcctgttttt
pEVSvap F	gatcgaattcatgttcatggcctatgagccagaaa
pEVSvap R	gatcggatccctaccggggcgggggcagt
pEVScbeA F	gatcgaattcatgtcaatcacactacctca
pEVScvF	gatcgaattcatgaaaatcattcagaccaa
pEVScvR	gatcggatccatcgtaacgatcgactacc
cbeAtopoF	caccatgtcaatcacactacctca
cbeAtopoR	ttatgggggttgataaatag
mreBtopoEaF	caccatgtttaaaaaattccgaggc
mreBtopoEaR	ttattcttcgctgaacaaatc
ftsZtopoEaF	caccatgtttgaaccaatggaactaa
ftsZBtopoEaR	ttaatctgcctgcttacgc
ftsZtopoEcF	caccatgtttgaaccaatggaactta
ftsZtopoEcR	ttaatcagcttgcttacgcagg
EccbAtopoF	caccatgaaaacattacctgtattaccg
EccbAtopoR	tcatttcgcctccggatactta
