

O'Shea, T. M., A. H. Klein, K. Geszvain, A. J. Wolfe, and K. L. Visick. 2006. Diguanylate cyclases control magnesium-dependent motility of *Vibrio fischeri*. J. Bacteriol.

Supplemental Table 1. Additional plasmids used in this study.

Plasmid	Description	Source or reference
pBS	Cloning vector, Ap ^R	Stratagene, LaJolla CA
pESY20	pEVS122 with EcoRI site disrupted; Erm ^R	This study
pEVS104	<i>tra</i> ⁺ , Kan ^R	(4)
pEVS107	mini-Tn7; mob, Erm ^R Kan ^R	(3)
pEVS122	low copy <i>oriR6K</i> suicide vector, Erm ^R	(2)
pEVS79	High copy cloning vector, Cm ^R	(4)
pKV217	pESY20 EcoRI + <i>mifA</i> (EcoRI) fragment from pTMO88	This study
pKV220	pCR2.1 TOPO + <i>mifB</i> and flanking DNA, PCR amplified with primers Upfus959F and VFA0957Rev; Kan ^R Ap ^R	This study
pKV228	pEVS79 XbaI + 4.9 kb SpeI/XbaI fragment from pKV220; Cm ^R	This study
pKV231	pKV228 deleted for NdeI (Δ <i>mifB</i>); Cm ^R	This study
pTMO73	Self-ligation of chromosomal DNA from Tn10 <i>lacZ</i> mutant KV1897 following SphI digestion; Cm ^R	This study
pTMO78	Self-ligation of chromosomal DNA from Tn10 <i>lacZ</i> mutant KV1902 following SphI digestion; Cm ^R	This study
pTMO85	Self-ligation of chromosomal DNA from Tn10 <i>lacZ</i> mutant KV1903 following NheI digestion; Cm ^R	This study

pTMO88	pCR2.1 TOPO + 312 bp fragment of <i>mifA</i> amplified with primers 989F and 989R; Kan ^R Ap ^R	This study
pTMO92	pCR2.1 TOPO + 2163 bp PCR fragment of <i>mifA</i> amplified with primers Up989Fwd and Down989Rev; Kan ^R Ap ^R	This study
pTMO93	pBS SacI + SacI fragment of pTMO85; Ap ^R	This study
pTMO107	pCR2.1 TOPO + 306 bp (<i>mifB</i>) PCR fragment generated with primers VFA0959Fwd and VFA0959Rev; Kan ^R Ap ^R	This study
pTMO116	pCR2.1 + 321 bp (<i>mifC</i>) PCR fragment generated with primers 960F and 960R; Kan ^R Ap ^R	This study
pTMO123	pESY20 EcoRI + <i>mifC</i> (EcoRI) fragment from pTMO116	This study
pTMO125	pESY20 EcoRI + <i>mifB</i> (EcoRI) fragment from pTMO107	This study
pUX-BF13	Tn7 transposase; Ap ^R	(1)

References

1. **Bao, Y., D. P. Lies, H. Fu, and G. P. Roberts.** 1991. An improved Tn7-based system for the single-copy insertion of cloned genes into chromosomes of Gram-negative bacteria. *Gene* **109**:167-168.
2. **Dunn, A. K., M. O. Martin, and E. Stabb.** 2005. Characterization of pES213, a small mobilizable plasmid from *Vibrio fischeri*. *Plasmid* **54**:114-134.
3. **McCann, J., E. V. Stabb, D. S. Millikan, and E. G. Ruby.** 2003. Population dynamics of *Vibrio fischeri* during infection of *Euprymna scolopes*. *Appl Environ Microbiol.* **69**:5928-5934.
4. **Stabb, E. V., and E. G. Ruby.** 2002. RP4-based plasmids for conjugation between *Escherichia coli* and members of the Vibrionaceae. *Methods Enzymol* **358**:413-26.

Supplemental Table 2. Primers used in this study.

Name	Sequence
VFA0957Rev	TAACGACAAGTACGCTAAAACCAG
VFA0959Fwd	GCAAGAGATAGTGGTGGAGTTCG
VFA0959Rev	TGGCTCTGAGTAAACAGTGTCTTAG
VFA0960Fwd	CCTTCTGATTTTCTTGGGTTGC
VFA0960Rev	GATCAAGCGGTATCTCTGGATG
989F	ACTTGAATCTCTATGGGCACTAACTG
989R	CAAATACCCTTTTCGCTCATCAG
Down 959Rev	CTAAGATAAAGTGCCATCACGTTG
Down 989Rev	GCCTGTACCAAGTGAACGCC
Upfus959F	TGACAAATTGGCATCGGTAATG
Up989Fwd	AGTTCGGATACATAATTGGCGTC
flaA rev 1	GATTGACCGTTGATGTATGTTGC
flaA fwd 2	AATCCTAATCAAGTTACCGTCAGTTC
flaB fwd	CGTTCAACTTACTTTAGGTAGTATGCG
flaB rev	GCACCACCAATGGCTAACTCAG
flaC fwd	CCTCTTTTCGGTGGTTCTCGTC
flaC rev	GCTCAATATCATCACCAGACTTAGC
flaD fwd	GAAGTGGTTGCTTTGAATGACG
flaD rev	TCTGTATTTTCAGCACCCACTTTC
flaE fwd	CTTTCGGTGGCACACGTCTAC
flaE rev	CGATAGCTTGCTCTTCACCATTC
flaF fwd	ACTGATGCTGATCGTGCTGC
flaF rev	CCAGTTAATGTCACGACCTTCTTC
S16-F	ATGGTTACCATTCGTTTGGC
S16-R	CGCTTTTTTAGCGTCTTTAAC