Table S2: Strains, plasmids, and oligonucleotides

Name	Description	Source
	Bacterial Strains	
	Vibrio cholerae[1]	
E7946	Wildtype *Vibrio cholerae* El Tor Ogawa derivative, SmR	(1)
E7946 Δ*hapR*	E7946 derivative lacking *hapR*	This work
E7946 Δ*crp*	E7946 derivative lacking *crp*	This work
E7946 Δ*hapR*Δ*crp*	E7946 derivative lacking *hapR* and *crp*	This work
E7946 Δ*luxO*	E7946 derivative lacking *luxO*	This work
E7946 Δ*hapR*	E7946 derivative *hapR::Spec*^{R}	This work
E7946 Δ*luxO*Δ*hapR*	E7946 derivative lacking *luxO*, *hapR::Spec*^{R}	This work
E7946 Δ*murP*	E7946 derivative *lacking murP*	(2)
	Escherichia coli	
DH5α	*fhuA*2 Δ(*argF-lacZ*)U169 *phoA glnV*44 Φ80 Δ(*lacZ*)M15 *gyrA*96 *recA*1 *relA*1 *endA*1 *thi*-1 *hsdR*17	NEB
T7 Express	*fhuA2 lacZ::T7 gene1 [lon] ompT gal sulA11 R(mcr-73::mini Tn10*--Tet^S*)2 [dcm] R(zgb-210::Tn10*--Tet^S*) endA1 Δ(mcrC-mrr)114::IS10*	NEB
JCB387	Δ*nirB*, Δ*lac*	(3)
S17 λpir	*lac*U169 (*lacZ*M15), *recA*1, *endA*1, *hsdR*17, *thi*-1, *gyrA*96, *relA*1, *pir*	(4)
	Plasmids	
pSR	pBR322-derived plasmid. Features cloning site upstream λoop transcription terminator. AmpR	(5)
pRW50T	A broad-host range *lacZ* expression vector encoding *oriT* of pRK, TetR, Tra+	(6)
pAMNF	Plasmid for basal expression of N-terminal 3xFLAG-tagged proteins, KanR	(7)
pAMCF	Plasmid for basal expression of C-terminal 3xFLAG-tagged proteins, KanR	(7)
pRK2013	Helper plasmid for conjugation, KanR, oriColE1, RK2-, Mob+, Tra+	(8)
pKAS32	Suicide plasmid for mutant strain construction, AmpR	(9)
	Oligonucleotides[2,3]	
	Oligonucleotides for cloning *hapR* or *luxO* (5' to 3')	
hapR|pAMNF|fwd	GGCTGC*GGTACC*ATGGACGCATCAATCGAAAAACGC	This work
hapR|pAMNF|rev	GCCCG*AAGCTT*CTAGTTCTTATAGATACACAGCATATTGAGG	This work

luxO|pAMCF|fwd	GGCTGC*GGTACC*ATGGTAGAAGACACGGCGTCGGTG GCGGCGCTGTATCGTTCTTACCTCACACCGCTGGATA TTGATATCAATATCGTGGGTACGGGAC	This work
luxO|pAMCF|rev.1	ATCGCGTCCCGTACCCACGATATTG	This work
luxO|pAMCF|rev.2	GCCCG*AAGCTT*CCGTTCCTTCTCTTTTTCTTTCAC	This work

Oligonucleotides for cloning regulatory regions in pRW50T and pSR (5' to 3')

P*murQ*|fwd	AAAA*GAATTC*CACCAATCTGGCGGCCACTC	This work
P*murQ*|rev	TTTT*AAGCTT*CATAAGGCTTCTCGGCAAAT	This work
P*hapR*|fwd	AAAA*GAATTC*CATACCATTCTCGTTGTGTT	This work
P*hapR*|rev	TTTT*AAGCTT*CATAGGGGTATATCCTTGCC	This work
P*VC0585*|fwd	AAAA*GAATTC*CATAGGGGTATATCCTTGCC	This work
P*VC0585*|rev	TTTT*AAGCTT*CATACCATTCTCGTTGTGTT	This work
P*VC0502*|fwd	AAAA*GAATTC*GACAAAAGTTTGTTGCCCGC	This work
P*VC0502*|rev	TTTT*AAGCTT*CATAGTATTGGCTTTGGCAT	This work
P*mutH*|fwd	AAAA*GAATTC*ACCAGACCACATGAAGATCC	This work
P*mutH*|rev	TTTT*AAGCTT*CATAAAGGCTTTCGGTTTGG	This work
P*leuO*|fwd	AAAA*GAATTC*TAATGAACTGACTAACTCA	This work
P*leuO*|rev	TTTT*AAGCTT*CATTGCGTCTTTTTTATCT	This work
P*VC0433*|fwd	AAAA*CAATTG*TACCTGCAACTTCAAGTAGT	This work
P*VC0433*|rev	TTTT*AAGCTT*CATTATTTTTTAATCACCAA	This work
P*VC0241*|fwd	AAAA*GAATTC*CTATAGATGCGAACAGTTGC	This work
P*VC0241*|rev	TTTT*AAGCTT*CATAGTATGCTGACTACTGC	This work
P*rfaD*|fwd	AAAA*CAATTG*CATAGTATGCTGACTACTGC	This work
P*rfaD*|rev	TTTT*AAGCTTC*ATTATGAATTCCTATAGAT	This work
P*VC0620*|fwd	AAAA*GAATTC*AAACCGTACCCGTTTTGCGAG	This work
P*VC0620*|rev	TTTT*AAGCTT*ACTAGTAAGGAACAGCTATG	This work
P*VC0688*|fwd	AAAA*GAATTC*CATAGCGTTTGTCCTTTTGT	This work
P*VC0688*|rev	TTTT*AAGCTTC*ATTACTATCCATTTTTTCA	This work
P*VC1298*|fwd	AAAA*GAATTC*CATAAACTCTTTGTATAATT	This work
P*VC1298*|rev	TTTT*AAGCTT*CATGATAGTTTTGTAATTAT	This work
P*VC1375*|fwd	AAAA*CAATTG*CATCCACTTCTTCCTTATTA	This work
P*VC1375*|rev	TTTT*AAGCTT*CATATCAAAAGTGGTTGGGA	This work
P*VC1376*|fwd	AAAA*CAATTG*CATATCAAAAGTGGTTGGGA	This work
P*VC1376*|rev	TTTTAAGCTTCATCCACTTCTTCCTTATTA	This work
P*VC1403*|fwd	AAAA*GAATTC*CATTTTTTGGGTAATCGATA	This work
P*VC1403*|rev	TTTT*GGATCC*CATGGAAAACCTCGTTGTTT	This work
P*VC1405*|fwd	AAAA*GAATTC*CATGGAAAACCTCGTTGTTT	This work

P*VC1405*|rev	TTTT*GGATCC*CATTTTTTGGGTAATCGATA	This work
P*VC1436*|fwd	AAAA*GAATTC*CCAATTCGTAAAGAAGCTAA	This work
P*VC1436*|rev	TTTT*GGATCC*CATATCTGCTGAGGCTTTAG	This work
P*VC2352*|fwd	AAAA*GAATTC*TCAGCACAATATCTCGCGCC	This work
P*VC2352*|rev	TTTT*AAGCTT*CATGCCGATGAGGCTCATAA	This work
P*VCA0218*|fwd	AAAA*GAATTC*CATATAAACCTCACTGACTC	This work
P*VCA0218*|rev	TTTT*AAGCTT*CATCGTTTACTTCTTATCAT	This work
P*VCA0219*|fwd	AAAA*GAATTC*CATCGTTTACTTCTTATCAT	This work
P*VCA0219*|rev	TTTT*AAGCTT*CATATAAACCTCACTGACTC	This work
P*VCA0662*|fwd	AAAA*GAATTC*TCAGTTTGTAAATTGAGGAA	This work
P*VCA0662*|rev	TTTT*AAGCTT*CATATCAAATATGAATCCTT	This work
P*VCA0663*|fwd	AAAA*GAATTC*CATATCAAATATGAATCCTT	This work
P*VCA0663*|rev	TTTT*AAGCTT*CATGGTGTTACCTACTTGTT	This work
P*VCA0906*|fwd	AAAA*GAATTC*ATTTTTATCCTGACCCCATA	This work
P*VCA0906*|rev	TTTT*GGATCC*CATGCCTACGCCTATCGCCG	This work
P*VCA0960*|fwd	AAAA*GAATTC*CATCATGAGTTATATTTACA	This work
P*VCA0960*|rev	TTTT*AAGCTT*CATCCCTCAATCCTCAGTTT	This work
P*VCA0961*|fwd	AAAA*GAATTC*CATCCCTCAATCCTCAGTTT	This work
P*VCA0961*|rev	TTTT*AAGCTT*CATCATGAGTTATATTTACA	This work

Oligonucleotides for sequencing cloned DNA in plasmid constructs (5' to 3')

pRW50|seq|fwd	GTTCTCGCAAGGACGAGAATTTC	This work
pRW50|seq|rev	GTCGTTGAACTGAGCCTGAAATTCAGG	This work
pSR|seq|fwd	GTGCCACCTGACGTCTAAGAAACC	This work
pSR|seq|rev	GCAACCGAGCGTTCTGAACAAATCC	This work
pAM|seq|fwd	ATTTATTCCAATGTCACACACTTTTCGC	This work
pAM|seq|rev	GAAACGCCGTAGCGCCGATGGTAGT	This work

Oligonucleotides for amplifying DNA for radio labelling (5' to 3')

pSR|footprinting|fwd	[BIOTIN]-CACGAGGCCCTTTCGTCTTCTC	This work
pSR|footprinting|rev	GGAGTTCTGAGGTCATTACTGGAG	This work
pSR|footprinting|rev	CACGAGGCCCTTTCGTCTTCTC	This work
pSR|footprinting|rev	[BIOTIN]-GGAGTTCTGAGGTCATTACTGGAG	This work

Oligonucleotides for cloning DNA fragments in pKAS32 (5' to 3')

pKAS32|fwd	GCAGGCACAAGCGGCCGCCTGCAGCTGGCGCCA TCGATACGCGTACGTCG	This work
pKAS32|rev	CACGGTTTCATTAACAACCGGTACCTCTAGAACT	This work

	ATAGCTAGCATGCGCAAATTTAAAGCGCTG	This work
crp|arm|up|fwd	CGGTTGTTAATGAAACCGTGGATATTAAATGC	This work
crp|arm|up|rev	ATCGGGGCACCTAGCCGATTTTTCCGGTTTC	This work
crp|arm|down|fwd	AATCGGCTAGGTGCCCCGATAACCCGTC	This work
crp|arm|down|rev	AGGCGGCCGCTTGTGCCTGCGCAGCCAA	This work
hapR|arm1|fwd	CTAGAGGTACCGGTTGTTAATCCCAACCCCGATT GGTAATC	This work
hapR|arm1|rev	TGTGTTTCATTTTCTTGGGCAGCACAAAG	This work
hapR|arm2|fwd	GCCCAAGAAAATGAAACACACAGTTGAAGTC	This work
hapR|arm2|rev	CGCCAGCTGCAGGCGGCCGCTATGCGGTCGATGT GCTGA	This work

Oligonucleotides for mutagenesis of *crp* or *hapR* (5' to 3')

hapR|R123E|fwd	TGCTTCAACCGAGGACGAAGTTTGGC	This work
hapR|R123A|fwd	TGCTTCAACCGCTGACGAAGTTTGGCC	This work
hapR|R123|rev	CTCCACTCAAACCAGACTTTG	This work
crp|E55R|fwd	GATCAAAGATCGTGAAGGTAAAGAGATGATTCTC	This work
cpr|E55A|fwd	GATCAAAGATGCGGAAGGTAAAGAGATGATTC	This work
crp|E55|rev	AGTACCGCAACTGAACCT	This work

[1]E7946 Δ*luxO*, Δ*hapR*, Δ*lux*OΔ*hapR* and Δ*murP* derivatives are synonymous with strains SAD764, SAD793, TND3765 and SAD268.

[2]sequences in italic are sites for restriction endonucleases for use during cloning

[3]underlined sequences encode amino acid substitutions or remove unwanted sites for restriction endonucleases

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