

Supplementary Table 1

vector	content	construction
pDG1662	amyE::cm	Guerout-Fleury et al. 1996
pKL147	gfp	Lemon and Grossman 1998
pDR111	amyE::Pspank lacI spc	
pDR160	amyE::Pxyl xylR spc	
pDG1730	source of erm cassette for LFH	Guerout-Fleury et al. 1996
pMMB207	Ptac, cm	Morales et al. 1991
pEr::Sp		Steinmetz and Richter 1994
pAF074	SpeI site added to pDG1662	
pAF344	yabM::cm, spc, amp	made by inserting front flank (AFO646/647, PY79 gDNA) into pAF074 at BamHI/SpeI then ligating back flank yabM (AFO648/649, PY79 gDNA) digested with SalI/BglII
pAF320	3'spoVB-gfp spc, amp	made by digesting 3'spoVB (AFO604/605, PY79 gDNA) with EcoRI/XhoI and ligating to pKL147 cut with same
pAF324	3'ytgP-gfp spc amp	made by digesting 3'ytgP (AFO620/621, PY79 gDNA) with EcoRI/XhoI and ligating to pKL147 cut with same
pAF327	3'ykvU-gfp spc, amp	made by digesting 3'ykvU (AFO628/629, PY79 gDNA) with EcoRI/XhoI and ligating to pKL147 cut with same
pAF326	3'yabM-gfp spc, amp	made by digesting 3'yabM (AFO626/627, PY79 gDNA) with EcoRI/XhoI and ligating to pKL147 cut with same
pAF350	amyE:Pspank-uppS spc, amp	made by digesting uppS (AFO668/669, PY79 gDNA) with SalI/SphI and ligating to pDR111 cut with same
pAF351	amyE:Pspank-uppS-flag spc, amp	made by digesting uppS-flag (AFO668/670, PY79 gDNA) with SalI/SphI and ligating to pDR111 cut with same
pAF364	amyE::Psweet-spoVB-gfp spc, amp	made by digesting spoVB-gfp (AFO696/JD643, JDB2329 gDNA) with NheI/BamHI and ligating to pDR160 cut with same
pAF371	amyE::Psweet-mviN spc, amp	made by digesting mviN (AFO711/712, MG1665 gDNA) with NheI/BamHI and ligating to pDR160 cut with same.
pAF374	Ptac-ytgP-gfp cm	Made by digesting ytgP-gfp(AFO713/JD643, JDB2356 gDNA) with EcoRI/BamHI and ligating to pMMB207
pAF375	Ptac-spoVB-gfp cm	Made by digesting spoVB-gfp (AFO714/JD643, JDB2329 gDNA) with EcoRI/BamHI and ligating to pMMB207

Supplementary Table 2

Oligo	5'-3' sequence
AFO604	gtc <u>gaattc</u> ctgcgatcagtgaagg
AFO605	ctg <u>ctcga</u> tcggatgatcaaccgt
AFO606	cagctcttttacgacaaattg
AFO607	actatcatatcttctttttggtttcttcatcaccattttc
AFO608	aggtgtagcatgtctcattctgaactagatatgatgaaac
AFO609	taaagtgttggtgcatataatgatct
AFO610	acacaagccttttattacagctgtctg
AFO611	GAACAAGATGGATTGCACGCAGgatgtctctccttgtctcttg
AFO612	CGGACGGGAAGTATCCAGCTtgataaaggaacagcaggggc
AFO613	ttccttcgcttttagcaaatccgccg
AFO620	gtc <u>gaattc</u> ctgttgctcgggatctc
AFO621	ctg <u>ctcga</u> gcctgcatgtctgcct
AFO626	gtc <u>gaattc</u> gctgggttgatttgca
AFO627	ctg <u>ctcga</u> gcccgccattttgttc
AFO628	gtc <u>gaattc</u> cgatcgatcaatacg
AFO629	ctg <u>ctcga</u> tccttcaattcgcg
AFO646	cta <u>actagt</u> gacaaatcggactgg
AFO647	ctaggatccaggtaacgtcaggg
AFO648	gtcgg <u>tcgac</u> cacacttttggttccg
AFO649	gtc <u>agatct</u> caaataatggcactg
AFO668	gtaag <u>tcgac</u> gggtgacggaggaatc
AFO669	ctt <u>gcatgc</u> ttaaattccgccaacc
AFO670	ctt <u>gcatgc</u> TTATTTGTCGTCGTCGTTTATAGTcaattccgccaacc
AFO696	gtt <u>gctagc</u> cagtttgagaaggcag
AFO711	gtc <u>gctagc</u> taaggaggtgatctagagatgaatttattaaaatcgc
AFO712	gac <u>ggatcc</u> ttacaccgtccggcgggcaaattc
AFO713	gtac <u>gaattc</u> gaaggagatatacatatgtcaagcaaactgttaag
AFO714	gct <u>agaattc</u> gaaggagatatacatatggcgaaacagacgtttttaag
JD643	gtcgc <u>ggatcc</u> cctatttgatagttcatccatgc