

Table S3: Primers used in this study

Primer	Sequence ^(a)	Used for
galK-up-F	GGCGGAATTCACAATATTAATGATTTAAATAG	pCWU5-Δgalk
galK-up-R	GGCGGGTACCCCAATTAATTCACCTCTACCTGGTGA	pCWU5-Δgalk
galK-dn-F	GGCGGGTACCGCTAGTTTCTATATAGCAAATATTGGAG	pCWU5-Δgalk
galK-dn-R	GGCGTCTAGAAACAGCATCAATATGTCCTGTGATTAAG	pCWU5-Δgalk
catP-HS30-F	GGCGAACGTTAGTTATGGAAATAAGACTTAGAAG	pCWU5
catP-HS30-R	GGCGAACGTTTTAACTATTTATCAATTCCTGCA	pCWU5
Kan215-F	GGCGCATATGCCAAGCTAGCTTCACGCTGCCGCAAG	pCWU8
Kan215-R	GGCGCATATGCCGCTCAGAAGAACTCGTCAAGAAG	pCWU8
P1529-F	GGCGGTCGACAAAGTTGGATAAATTTAATTTAACTT	pCWU7
P1529-R	GGCGGCTAGCAAATTCAACCTCCCCTTTTTTATATT	pCWU7
galK-F	GGCGGCTAGCATGTTAGAAA ATTTAATAAAAGACTT	pCWU7
galK-R	GGCGAAGCTTTTTATTTACACCTTTCCTGCTCCATCTC	pCWU7
rpsJcory-F	GGCGGAGCTCGCTGCAGAGGTACCAGTCGACACTTAG CAATGGTGTGCAATGTC	pCWU6
rpsJcory-R	GGCGCATATGTTATTTATTGCACCTCCTTTAAATTAAC	pCWU6
mCherry-F	GGCGCATATGGTGAGCAAGGGCGAGGAGGAT	pCWU6
mCherry-R	GGCGAAGCTTGAGATCTGCTCGAGAGGATCCCTACTAC TTGTACAGCTCGTCCATG	pCWU6
PcatP-F	GGCGGAGCTCAACGAGTGAAAAAGTACTGGTCCCTAG	pFtsX _{FLAG}
PcatP-R	GGCGGGTACCGTTCCCTCTCAAATTCAAGTTTATCG	pFtsX _{FLAG}
Com-FtsX-F	GGCGGGTACCATGGAAGAAGATAAAATCTTACATGGAA TTCT	pFtsX _{FLAG}
Com-FtsX-R	AAACTCGAGTTACTTATCATCATCATCCTTATAATCTATA TCATGATCCTTATAATCTCCATCATGATCCTTATAATCAT GATGATGATGATGATGATCTTCATCATCTTCAAACCT CAT	FtsX _{FLAG}
FtsX-F2	GGCGGGTACCTAAATTTTGA AAAAATGCTAGCATG	pEnvC _{FLAG}
com-EnvC-R	GGCGCTCGAGTTATTACTTATCATCATCATCCTTATAAT CTATATCATGATCCTTATAATCTCCATCATGATCCTTAAA TCATGATGATGATGATGATGAAATGTTGGTATTGGGTCA ATAGGTCTTAA	pEnvC _{FLAG}
RE-envC-F	GTATCTCATGCAAATTTTAATTCATCAATG	pEnvC _{FLAG}
RE-envC-R	TCTTCTTTTTAATCTATTTATATAG	pEnvC _{FLAG}
ftsX-up-F	GGCGGAGCTCTCAGCATTTCGAGCAAATGATGCAGCA	pCWU8-ftsX
ftsX-up-R	GGCGGGTACCTGAAAATATTTAATGCTACAACTGTAAT	pCWU8-ftsX
ftsX-dn-F	GGCGGGTACCCAGCAAATGTTGGAAGAATTGAATATG	pCWU8-ftsX
ftsX-dn-R	GGCGGTCGACCTAATTTCCCTTTTTTTCAGCTTCTATTTTC	pCWU8-ftsX
Re-ECD1-F	TAAATCTGCAACTATAAAAGAATTAA	pFtsX _{FLAG} (ΔE CD1)
Re-ECD1-R	GAAGTGTATAAAGATGAATCATATTTAAAG	pFtsX _{FLAG} (ΔE CD1)
Re-ECD2-F	ATTTGCATGAGATACATGTTTTCT	pFtsX _{FLAG} (ΔE CD2)
Re-ECD2-R	ATTATTTTATGGCATTTTG	pFtsX _{FLAG} (ΔE CD2)
Re-D/E-F	TTCAATTCTTCCAACATTTGCTGG	pFtsX _{FLAG} (ΔD/ E)

Re-D/E-R	TAAGACAATTTTAGTATTTTTCTTTTATCAG	pFtsX _{FLAG} (Δ D/E)
envC-up-F	GGCGGAGCTCATGAAAAAATTTTTATTATT AGCAGTAT	pCWU8-envC
envC-up-R	GGCGGGTACCTCTAATTTAG AAGTTTCTGT ATCTATTG	pCWU8-envC
envC-dn-F	GGCGGGTACCTTTATGCTGA TAAATTCCAA GGCTTGG	pCWU8-envC
envC-dn-R	GGCGGTCGACCTTTCAATAT TCTCTATTTTAGAGTCAAT	pCWU8-envC
ppnk-up-F	GGCGGGATCCTTTAGAAA ACATGTATCTCATGCAAATT	pCWU8-ppnk
ppnk-up-R	GGCGGGTACCTCCGCCTATAACAACACTATATATTCAG	pCWU8-ppnk
ppnk-dn-F	GGCGGGTACCAAGATGAAGTAGAAATTTCTTACTCAA	pCWU8-ppnk
ppnk-dn-R	GGCGAAGCTTTTATACCTCATTAAACATTTTATTTGCT	pCWU8-ppnk
amiD3-upF	GGCGGGTACCTTGCTAAAGAAATATTATTTTTAAAG	pCWU8-amiD3
amiD3-upR	GGCGGGTACCAACACTATCTTTTGATTTATCTATTATT	pCWU8-amiD3
amiD3-dnF	GGCGGGTACCATATTGCAGATAGATTAGAGATGAG	pCWU8-amiD3
amiD3-dnR	GGCGAAGCTTTTCCAGAAGCTTCTGTCTTTGGAECTCT	pCWU8-amiD3
rpsJ-F	GGCGGAGCTCGTTTTTTCTAAGTCAATTTCAAATTCAG	pMinC
rpsJR	AAAAGGTACCTGCACCTCCTTTAAATTAACACTACAT	pMinC
minC-F	GGCGGGTACCGGGAGGTAAATATGAGCAACCATGTAA TAATAAAAGG	pMinC
minC-R	GGCGCTCGAGTTATATCAACTCCTCAACAACACTATTTCTT	pMinC
RT-ftsX-F	AGCAATCTAAGGAACAAGGTTT	RT-PCR <i>ftsX</i>
RT-ftsX-R	TCAAGTCCTGTATTGGCATTAT	RT-PCR <i>ftsX</i>
RT-16s-F	GGTTAAGTCCCGCAACGA	RT-PCR <i>16s</i>
RT-16s-R	CATCCCCACCTTCCTCCTAC	RT-PCR <i>16s</i>

^(a)Underlined are the restriction sites in the primers.