

Table S1. Primers used in this study.

Primers	Sequence (5' → 3')	Purpose	Source
Km2921R	GTACCGAGCTCGAATTCGGC	Transposon mutant sequencing	[30]
Km4180F	GTTTCATTTGATGCTCGATG	Transposon mutant sequencing	[30]
KP0416(+3)F	TACAGGCACAACGAGCAC	<i>sugE</i> deletion mutant construct	This study
KP0422(+16)F	CTATCTGGGTACCTGGTATG	<i>sugE</i> deletion mutant construct	This study
KP0420(-1)R	AAGGCTCCTTTGCTGGG	<i>sugE</i> deletion mutant construct	This study
KP0421(+534)R	CTAATCATAGCGCTGATTGAC	<i>sugE</i> deletion mutant construct	This study
KP0420(-138)F	GTCAACGGTACGGTTTAGCG	<i>sugE</i> complementation construct	This study
KP0421(+528)F	TGATTAGTGC GCGCTGATC	<i>sugE</i> complementation construct	This study
KP1237R2	AATAGCTACTCCGACGG	Complementation confirmation	[28]
KP1235F2	GCGCACGTATCGATCTC	Complementation confirmation	[28]
Kp0530-1000-F	GTGATCCCGGTGAGATG	<i>treC</i> deletion mutant construct	This study
Kp0530+1000-R	CTTCCTGTGGCTGATTGG	<i>treC</i> deletion mutant construct	This study
Kp0530-I-F	AGTACTTTCCTGCTGCAA	<i>treC</i> deletion mutant construct	This study
Kp0530-I-R	CGCTTTTCCCCGGTGGC	<i>treC</i> deletion mutant construct	This study
Kp0530-1293-F	GATTGGCTCATTCTTCTCG	<i>treC</i> deletion mutant construct	This study
Kp0530+1158-R	CAGTTAATCTCGCACTTCG	<i>treC</i> deletion mutant construct	This study
Kp0530p-F	CGATCTGCTCGATCAACT	<i>treC</i> complementation construct	This study
KP0530-R	TTATCCCTGCAGCCACCA	<i>treC</i> complementation construct	This study
Kp0530p-IF	CCTCAAAAACAGAGGGGA	<i>treC</i> complementation construct	This study
Kp0530R-IR	ACTTTCCTGCTGCAACGA	<i>treC</i> complementation construct	This study

treR-RR	AGCGGCGTAGGGAAATCG	<i>treB</i> deletion mutant construct	This study
treB-F	CCCGTTTGCGCTTTGTG	<i>treB</i> deletion mutant construct	This study
wza-1113F	CGACAGTGAATGCGTCATT	<i>wza</i> deletion mutant construct	This study
wza+1002R	TGACTGGCTTCCTGATGC	<i>wza</i> deletion mutant construct	This study
wza-IR	CCATATGTTTAAATCAGTTTAA	<i>wza</i> deletion mutant construct	This study
wza-IF 5'	AATGTCACATCATTAGTAAAC	<i>wza</i> deletion mutant construct	This study
rmpA-F	CACCAAGTATGGTTGCTCCG	<i>rmpA</i> deletion mutant construct	This study
rmpA-R	CTACGCATTCATTCTCCTTC	<i>rmpA</i> deletion mutant construct	This study
P rmpA-R	ATCCTTAATGAGCCAAATGT	<i>rmpA</i> deletion mutant construct	This study
P rmpA-F(i)	GTAAAAAAGGGGAGGGGATG	<i>rmpA</i> deletion mutant construct	This study
P rmpA-F(g)	TGGGATCAGTTCACAAGGTG	<i>rmpA</i> deletion mutant construct	This study
PrmpA-R(g)	CAAATCTTTGGAAACAAAAAG C	<i>rmpA</i> deletion mutant construct	This study
gal-145F	GCCGGGATCAAAGAGATTGTT	Expression level of <i>galF</i>	This study
gal-217R	AGGAGGTGTCGAAGTGGTTTT C	Expression level of <i>galF</i>	This study
KP3720-RF	GTCAGGTACGCCAGGATATCG	Expression level of <i>wza</i>	This study
KP3720-RR	CATCAACCTGAGGGCTTTCAA	Expression level of <i>wza</i>	This study
2707F	GAGGCCGAAGTATCCAAACT	Expression level of <i>wzc</i>	This study
2872R	CAACCTGGACATCACGAGTT	Expression level of <i>wzc</i>	This study
KP3714-RF	GCAATATGGCCAGTCCGAAA	Expression level of <i>magA</i>	This study
KP3714-RR	AAAACGTGGCTATTGCATGAT G	Expression level of <i>magA</i>	This study
wcaG-RF	TTCCACTACCCCAAACAACGA	Expression level of <i>wcaG</i>	This study
wcaG-RR	TGCGGCGCTTTCATGA	Expression level of <i>wcaG</i>	This study
manB-RF	CGCTGCGGGTCACGAT	Expression level of <i>manB</i>	This study
manB-RR	GCCGGGAGCGAAAATCA	Expression level of <i>manB</i>	This study
KP3619-202F	GGAAAATGGAGAGGGTACAA AATG	Expression level of <i>rmpA</i>	This study
KP3619-322R	CATAGATGTCATAATCACACC CTTTAGG	Expression level of <i>rmpA</i>	This study
treB-R	ATGCGCAGCTGCTCAATCT	Expression level of <i>treB</i>	This study
treB-F	CCCGTTTGCGCTTTGTG	Expression level of <i>treB</i>	This study
treC-RF	CCGACAGCGGGCAGTATT	Expression level of <i>treC</i>	This study
treC-RR	CGCCGGATTCTCCAGTT	Expression level of <i>treC</i>	This study
licC-RF	CTGGCGCGATAAAATGTTGTA C	Expression level of <i>licC</i>	This study

licC-RR	TGCCGAAGCTGGAAATCAG	Expression level of <i>licC</i>	This study
rpoB-RF	CGTGCTGTTGCCGTTGAC	Expression level of <i>rpoB</i>	This study
rpoB-RR	GGGAAGCATCCACGTAAGTAA	Expression level of <i>rpoB</i>	This study
gyrA-RF	GCGGCGATAATGTCCTTCAG	Expression level of <i>gyrA</i>	This study
gyrA-RR	GTCTCCTTCGGCATCAACATG	Expression level of <i>gyrA</i>	This study
