

Additional file 9. Primers used in this study.

Primer name	Sequence (5'-3')	Description
Psol(EMSA)-for	AGCCAGTGGCGATAAGTAGGAAAAGCTGCTAAATG	forward EMSA probe primer for promoter of <i>sol</i> operon (CAP0162-64)
Psol(EMSA)-rev	AGCCAGTGGCGATAAGAAATATACACTTCTTTCTAAAAT	reverse EMSA probe primer for promoter of <i>sol</i> operon (CAP0162-64)
PxylB(EMSA)-for	AGCCAGTGGCGATAAGAAAGACTGCTCGAAAATT	forward EMSA probe primer for promoter of <i>xylB</i> (CAC2612)
PxylB(EMSA)-rev	AGCCAGTGGCGATAAGGCTGTCTTGGTTCCCTGAT	reverse EMSA probe primer for promoter of <i>xylB</i> (CAC2612)
ParaE(EMSA)-for	AGCCAGTGGCGATAAGCACATAAATATTATGATTTAT	forward EMSA probe primer for promoter of <i>araE</i> (CAC1339)
ParaE(EMSA)-rev	AGCCAGTGGCGATAAGAAGCTCCTCCTTAAGATT	reverse EMSA probe primer for promoter of <i>araE</i> (CAC1339)
CAC1790-for	AGCCAGTGGCGATAAGGGGGTTGAATCCATCTA	forward primer for non-specific competitor in EMSA analysis
CAC1790-rev	AGCCAGTGGCGATAAGAAAGCTACCTTGCCATC	reverse primer for non-specific competitor in EMSA analysis
Cy5-tag primer	Cy5-AGCCAGTGGCGATAAG	universal primer for adding Cy5 tag
CAC3037-for	CGGGATCCATGGCTGCCTCTATTAAG	forward primer for expression of CcpA in <i>E.coli</i>
CAC3037-rev	CCCTCGAGTTTTGCGTGAGGGTTTTAC	reverse primer for expression of CcpA in <i>E.coli</i>
qCAC1345-for	AGCTGTAGGTGGAGCTTCTGCTTT	forward qRT-PCR primer for <i>xylT</i> (CAC1345)
qCAC1345-rev	TCCAACGCCATCCTTCAAATGCAC	reverse qRT-PCR primer for <i>xylT</i> (CAC1345)
qCAC2612-for	AGTAAGTGGTGGAGGTG	forward qRT-PCR primer for <i>xylB</i> (CAC2612)
qCAC2612-rev	ATTGCTACGCCAAGTGC	reverse qRT-PCR primer for <i>xylB</i> (CAC2612)
qCAC1348-for	AATGCTGTGGGAATGGCAATAGCG	forward qRT-PCR primer for <i>tkl</i> (CAC1348)
qCAC1348-rev	TGCAAGAGAAGTTCCTCTCCTGA	reverse qRT-PCR primer for <i>tkl</i> (CAC1348)
qCAC1941-fw	GGAATAGTAAGAAAATTGGATAG	forward qRT-PCR primer for <i>abrB1941</i> (CAC1941)
qCAC1941-rev	GCTTCACCGCAGAACAC	reverse qRT-PCR primer for <i>abrB1941</i> (CAC1941)
qCAC1660-for	TGGAGGTATAGCCTACAATAAG	forward qRT-PCR primer for <i>bukII</i> (CAC1660)
qCAC1660-rev	CCTTCTGCTAGTGCTAACAT	reverse qRT-PCR primer for <i>bukII</i> (CAC1660)
qCAC3319-for	AGAAGCGGAGGTACAGG	forward qRT-PCR primer for orphan kinase CAC3319
qCAC3319-rev	TTGGATTTGCTATGGGT	reverse qRT-PCR primer for orphan kinase CAC3319

qCAC3673-for	CTGGAATAGTGATTGAGGGACAGC	forward qRT-PCR primer for <i>xylR</i> (CAC3673)
qCAC3673-rev	AGATGCATACATTTCCCAGCACCC	reverse qRT-PCR primer for <i>xylR</i> (CAC3673)
qCAC2966-for	TTTGAGGAGCTTTCACCAAGTG	forward qRT-PCR primer for <i>lacR</i> (CAC2966)
qCAC2966-rev	CCTTTATAAGACCTGCTGCTAGCCT	reverse qRT-PCR primer for <i>lacR</i> (CAC2966)
qCAC3647-fw	AGAACATTAGAAATAGCAGAG	forward qRT-PCR primer for <i>abrB3647</i> (CAC3647)
qCAC3647-rev	GCATCTCCACAGAAAATAC	reverse qRT-PCR primer for <i>abrB3647</i> (CAC3647)
qCAC1653-for	AGCATCCACCTGAAATG	forward qRT-PCR primer for glycosyltransferase CAC1653
qCAC1653-rev	TTACCTCCAAGCACAAA	reverse qRT-PCR primer for glycosyltransferase CAC1653
qCAP0164-for	ACGGAATAGTTGGAATGGGCGCTA	forward qRT-PCR primer for <i>sol</i> operon(CAP0162-64)
qCAP0164-rev	TGTGCCGTCAGGAAGTACTGTTGT	reverse qRT-PCR primer for <i>sol</i> operon(CAP0162-64)
qCAC0103-fw	TTTTAGGGAAAGATTTTGTAGAG	forward qRT-PCR primer for <i>cysC</i> (CAC0103)
qCAC0103-rev	TATGCCTTTTGGGTCTCG	reverse qRT-PCR primer for <i>cysC</i> (CAC0103)
qCAC0570-for	AAGGTGCTTGAAGCTATAGGCGGA	forward qRT-PCR primer for glucose-PTS system CAC0570
qCAC0570-rev	CTGTCATTACTCCAGCTGCTCCAA	reverse qRT-PCR primer for glucose-PTS system CAC0570
qCAC0310-fw	TTTATGTAGATGGTGAGCAA	forward qRT-PCR primer for <i>abrB310</i> (CAC0310)
qCAC0310-rev	ATAGTTGATAACATCGCTTG	reverse qRT-PCR primer for <i>abrB310</i> (CAC0310)
qCAC1340-fw	TGGAGGACACGCTTTATTC	forward qRT-PCR primer for <i>araR</i> (CAC1340)
qCAC1340-rev	TATGAGGCATTTAGGGTTAC	reverse qRT-PCR primer for <i>araR</i> (CAC1340)
qCAC1341-fw	TTCACCTTGGGCTACATC	forward qRT-PCR primer for <i>araD</i> (CAC1341)
qCAC1341-rev	CTGGAACATCATTTGGG	reverse qRT-PCR primer for <i>araD</i> (CAC1341)
qCAC1343-fw	CCAGCAGATGCCAATACC	forward qRT-PCR primer for <i>ptk</i> (CAC1343)
qCAC1343-rev	TTACTTGCCCAATCCCAAATG	reverse qRT-PCR primer for <i>ptk</i> (CAC1343)
