

Table S1. Primers used in this study

| Primer | Sequence (5'- 3') ^a |
|--------------------|---|
| <u>Mutagenesis</u> | |
| <i>kpsC</i> F | CGCCCTGAGGGCACAGGAACTGGCTGAAAACGCATGATTGTGT <u>AGGCTGGAGCTG</u> |
| <i>kpsC</i> R | TCTGTGTAATAGTCAACTATGAAATTGTTTAGCCAAATCTGACC <u>TTGCGCCATGGTCCATATGAATATCC</u> |
| <i>rcsB</i> F | TAGAAAAATACATCAGCGACATTGACAGTTATGTCAAGAGCTT <u>GCTGTAGATTGTGTAGGCTGGAGCTGC</u> |
| <i>rcsB</i> R | AAATGCCAGATAAGACACTGACGCGTCTTATCTGGCCTACAGG <u>TGATTAGGTCCATATGAATATCCTCC</u> |
| <i>rpoE</i> F | CTTGCTCAAATTGCAGCTAATGGAGTGGCGTTTCGATAGCGCGT <u>GATTGTGTAGGCTGGAGCTG</u> |
| <i>rpoE</i> R | TTGTTCTTTCTGCATGCCTAATACCCTTATCCAGTATCCCGCTAT <u>CGTCAGGTCCATATGAATATCCTCC</u> |
| <i>cpxR</i> F | TTAGCGACGTCTGATGACGTAATTTCTGCCTCGGAGGTATTTAA <u>ACAATGATTGTGTAGGCTGGAGCTGC</u> |
| <i>cpxR</i> R | CAGCGTCAGCCAGAAGATGGCGAAGATGCGCGCGGTTAAGCTG <u>CCTATCAGGTCCATATGAATATCCTCC</u> |
| <i>wca</i> F | AGCCGCGCCGCCTACAGTGGACAACAGATGCTGGAGGAGTATG <u>ATTGTGTAGGCTGGAGCTG</u> |
| <i>wca</i> R | CGGCACCGAGAATCCACTTAAATCCTGCATCGTTTTCCCTTATA <u>TTCAGCGCCATGGTCCATATGAATATCC</u> |
| <i>yjbE</i> F | AATGTTTTGGGTAAATCTCCATTCATTCAATGAAGGGAAATTGT <u>TATGATTGTGTAGGCTGGAGCTGC</u> |
| <i>yjbE</i> R | CTTGTCGCCTTCCTGCAACTCGAATTATTTGGGGATACATACT <u>TTATTAGGTCCATATGAATATCCTCC</u> |
| <i>ydhA</i> F | GGCGTATTGCCCTCCAGACCAGGAAAGTCTTCGGGATATGATT <u>GTGTAGGCTGGAGCTG</u> |
| <i>ydhA</i> R | ATTGTCAGTGGGTGACGCTATTGTGCGCCGCCCTGGAAAAAT <u>CTCATTAGGTCCATATGAATATCCTCC</u> |
| <i>rcsA</i> F | TATTCAGGTAAGGGGAATTATCGTTACGCATTGAGTGAGGGTA <u>TGCCATGATTGTGTAGGCTGGAGCTG</u> |
| <i>rcsA</i> R | CCTGACTGGTGGGAAACCACCAGTCAGAATGTGTTAGCGCGGT <u>CCATATGAATATCCTCC</u> |

resC F TACCTTAACCACACTCCATCGGTCACCTGAGGCGGAGCTTCGCC
CCTTTGATTGTGTAGGCTGGAGCTG

resC R TGGCATTTCACCGGATTGCCGGATGCGGCGTAAACGCCTTATC
CGTCCTAGGTCCATATGAATATCCTCC

Cloning

FpTRC*wca* GAACCATGGATATTCTGCAATTTAATG

RpTRC*wca* CGCTCTAGATATTCAGCTTTTGTATATAAG

qRT-PCR

qRT-rpIT F TTGCCTTCCAGGCTGTTATC

qRT-rpIT R CTGCTTTCGCTTTTTCAACC

qRT-osmB F AAATGACCGCGGCTGTTC

qRT-osmB R CCGACCTGGTGACCAATAAC

qRT-bdm F CAGGCAGAAAATTCAACAGC

qRT-bdm R TAAAGCGTAGGGTGCTGACC

qRT-ydhA F GTAGCGCGTTCAATCAACTG

qRT-ydhA R GCCTTTCGACCAGAAAACATAG

qRT-rpoE F AAAGTGGCGAGTCTGGTTTC

qRT-rpoE R ATCACTGGAAGGTGGACGAC

qRT-ivy F CGTATACTCCCGCACAAACC

qRT-ivy R CATCAATAGAAAGCGCATCG

qRT-ugd F TGGCGAACTACCAGTCTGTG

qRT-ugd R CTTTCGCCTTGATACGCTTC

qRT-cpxR F TCTCCCGAAACCGTTTAATG

qRT-cpxR R TGTGCCAGCAAATAGAGCAG

qRT-rcsB F GTACATCAAGCGCCATTTCC

qRT-rcsB R TTTTCCAACAGGCGAGAAAC

qRT-wcaD F ATGGCTGTATTCCTGGTTGG

qRT-wcaD R TCCGCACCGTTAAATATTC

^a Restriction sites are shown in bold and pKD4 sequences are underlined.