Table S1. Oligonucleotides used in this study

| Primer | 5'-3' sequence | Use |
|---|---|---|
| **Strains construction** | | |
| ΔgcvB ::tetfor | GTCCGTTGAGCTTCTACCAGCAAATACCTATAGTGGCGGCACctagacatcattaattccta | Construction *ΔgcvB ::tet* allele |
| ΔgcvB ::tetrev | CGATCGCAAGGTAAAAAAAAGCACCGCAATTAGGCGGTGCTgaagctaaatcttctttatcg | |
| ΔgcvB ::kanfor | GTCCGTTGAGCTTCTACCAGCAAATACCTATAGTGGCGGCACaaagccacgttgtgtctcaa | Construction *ΔgcvB ::kan* allele |
| ΔgcvB ::kanrev | CGATCGCAAGGTAAAAAAAAGCACCGCAATTAGGCGGTGCTttagaaaaactcatcgagc | |
| 5'Ptet-phoP | GATAGAGATTGACATCCCTATCAGTGATAGAGATACTGAGCACacactattttaataattaag acaggg | Construction Ptet-*phoP-lacZ* fusion |
| 3'phoP-lacZ | TAACGCCAGGGTTTTCCCAGTCACGACGTTGTAAAACGACcgcattgtcttcaacaaccag | |
| phoPmutR3for | ACCTGACGCTTTTTATCGCAACTCTCTACTGTTTCTCCATacactattttaataattaa**ctgtc**gga gaaataaaaatgcgcgtactgg | Construction $P_{BAD}$-*phoPmutR3-lacZ* fusion |
| 5'P1mgtA | GCGAAGCGGCATGCATTTACGTTGACACCATCGAATGGCGCgtgcattcagcaatgggtaaa gtc | Construction P1-*mgtA-lacZ* fusion |
| 3'mgtA-lacZ | GTAACGCCAGGGTTTTCCCAGTCACGACGTTGTAAAACGACaatgagccgggtaaaaatttctt | |
| 5'LivJ-lac | ACCTGACGCTTTTTATCGCAACTCTCTACTGTTTCTCCATagagtatgctgctaaagcacg | Construction $P_{BAD}$-*livJ-lacZ* fusion |
| 3'LivJ-lac | TAACGCCAGGGTTTTCCCAGTCACGACGTTGTAAAACGACtatgttcatcctgagaatccc | |
| 5'Cm-$P_{BAD}$-phoPQ | AAGATTATCCGCTTTTTATTTTTTCACTTTACCTCCCCTCCgtgtaggctggagctgct | Construction CmR-$P_{BAD}$-*phoPQ* allele |
| 3'Cm-$P_{BAD}$-phoPQ | GCATTTTTATTTCTCCCTGTCTTAATTATTAAAATAGTGTatggagaaacagtagagagt | |
| **Plasmid construction** | | |
| pBR-for | ggaaaacgttcttcggggcg | |
| 5'Hind-MicA-tet | cgtacaagcttatcgatgataagctgtcaaacatgagaattccacgcctgacagaaaagaaaaaggc | |
| GcvBmutR1for | ggcttacggttgtgatgttg**acaaca**tgtgtttgcaattggtctgcgattc | |
| GcvBmutR1rev | gaatcgcagaccaattgcaaacaca**tgttgt**caacatcacaaccgtaagcc | |

| | | |
|---|---|---|
| GcvBmutR3for | ttttcacttcctgtacatttacc**gacag**tgtccatagtgattaatgtagc | |
| GcvBmutR3rev | gctacattaatcactatggaca**ctgtc**ggtaaatgtacaggaagtgaaaa | |
| **Probes for Northern-Blot** | | |
| MgrR-probe | 5'Bio-cagtaaaccggcggtgaatgcttgcatggatagatttgtg | |
| ompT-probe | 5'Bio-gccgatatcatctctgaatccctcctcagaactgtagatatagg | |
| SsrA-probe | 5'Bio-cgccactaacaaactagcctgattaagttttaacgcttca | |
| GcvB-probe | 5'Bio-cacaaccgtaagccaaaagttcaccagaacacgcattccg | |
| phoP-probe | 5'Bio-gcatcttctgcgtcatcgacctgatgaccagcatcctgaatc | |
| **In vitro experiments** | | |
| 5'T7MicA | taatacgactcactataggaaagacgcgcatttg | |
| 5'T7MicAmut | taatacgactcactataggaaaga**gcgc**catttg | |
| 3'T7MicA | aaaaggccactcgtgagtgg | |
| 5'T7GcvB | taatacgactcactataggacttcctgagccggaacg | |
| 3'T7GcvB | ggtaaaaaaaagcaccgcaattaggcgg | |
| 5'T7phoP | taatacgactcactataggacactattttaataattaagacaggg | |
| 3'T7phoP | cgtctggcaatccgagatc | |
| phoP-Cy5-probe#1 | 5'Cy5-ccagcatcctgaatctgaac | |
| phoP-Cy5-probe#2 | 5'Cy5-cttctttggcatcttctgcg | |

Nts in upper cases correspond to homology regions for recombineering
Underlined nts indicate restriction sites used for cloning or T7 promoter sequence, and bold nts mutations