# **Table S6:** Bacterial strains, plasmids and oligonucleotides used in this study.

|  |  |  |
| --- | --- | --- |
| Strain or plasmid | Description | Reference |
| Strains | | |
| *E. coli* |  |  |
| cc118λ-pir | Δ(ara-leu) *araD* Δ*lacX74 galE galK phoA20 thi1 rpsE rpoB argE(Am) recAl* λ pir; StrepR | [1] |
|  |  |  |
| *P. phymatum* |  |  |
| STM815 | Wild type | [2] |
| STM815NAL | Wild type spontaneously resistant to nalidixic acid; NalR | [3] |
| STM815-rpoNPp | *rpoN*Pp::pSHAFT2 mutant of STM815; CmR | [3] |
| STM815-ΔntrBPp | STM815 spontaneously resistant to nalidixic acidwith deletion in *ntrB*gene (Bphy\_1480); NalR, CmR | This study |
|  |  |  |
| Plasmids | | |
| pGEM-T Easy | Cloning vector; AmpR, *lac*Z | Promega |
| pKD4 | Vector containing kanamycin cassette; KmR | [4] |
| pRK2013 | Helper plasmid; KmR | [5] |
| pSHAFT2 | Suicide plasmid; CmR | [6] |
| pBBR1MCS-2 | Broad host-range cloning vector; KmR | [7] |
| pSHAFT-*rpoN* | pSHAFT2 containing a 489 bp internal fragment of Bphy\_0326 for mutagenesis; CmR | [3] |
| Δ*ntrB*-pSHAFT | pSHAFT2 containing two fragments of the external region of *ntrB* and a kanamycin cassette; CmR , KmR | This study |
|  |  |  |
| Oligonucleotides | **Sequence1** | **Source** |
| Deletion mutant construction | | |
| pSHAFTseqFor | CTTCAGCTGATGTGTGATAACATACT | K. Agnoli unpublished |
| Bphy1480\_1 | TTTTGGTACCTCGGATTCCAGCAGATCTT | This study |
| Bphy1480\_2 | TTTTTCTAGAGTCTGACAAACGAGTGCAC | This study |
| Bphy1480\_3 | TTTTTCTAGACAATACCATCTTGCAGTC | This study |
| Bphy1480\_4 | TTTTGATATCGAATTCGCGCTGTTCTACA | This study |
| glnA\_R | TGGACGCAGCAACTGAAGTA | This study |
| Km\_F | CTATGAAAGGTTGGGCTTCG | This study |
|  |  |  |
| qPCR | | |
| Bphy3941\_F | AGATCGTCAGCGAGAACCAT | [3] |
| Bphy3941\_R | TCTGACGGTTGGTTTCCTTC | [3] |
| Bphy7808\_F | GGCGTGGACTATGTGTCGTA | [3] |
| Bphy7808\_R | GATGCCCTTCGAGATGTTGT | [3] |
| Bphy0257\_F | GCTCGTCACAGTGATCTGGA | [3] |
| Bphy0257\_R | ACTTCATCCGGTCAGCAAAC | [3] |
| Bphy1479\_F | ATCTGCTGGAATCCGAACTG | [3] |
| Bphy1479\_R | GCGATTCGAGATTCTGATGTG | [3] |
| Bphy3492\_F | GGCGAAAGTCACGTTGATTC | This study |
| Bphy3492\_R | GTTCACGCCCTCTTCAATCT | This study |

1Underlined nucleotides indicate a restriction site.

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