**Supplementary file 2.** **List of bacterial strains generated in this study.** The sequences of the 5′UTR and Nt regions are shown in the Supplementary file 1.

|  |  |  |
| --- | --- | --- |
| **Bacterial strain / plasmid** | **Genetic background** | **Source** |
| pMR10-BG | *Caulobacter crescentus* NA1000 | This study |
| pMR10-5′UTR*dnaA*-Nt | *Caulobacter crescentus* NA1000 | This study |
| pMR10-5′UTR*dnaA*-ΔNt | *Caulobacter crescentus* NA1000 | This study |
| pMR10-5′UTR*6/13*-Nt | *Caulobacter crescentus* NA1000 | This study |
| pMR10-5′UTR*6/13*-ΔNt | *Caulobacter crescentus* NA1000 | This study |
| pMR10-5′UTR*lac*-Nt | *Caulobacter crescentus* NA1000 | This study |
| pMR10-5′UTR*lac*-ΔNt | *Caulobacter crescentus* NA1000 | This study |
| pMR10-G125C | *Caulobacter crescentus* NA1000 | This study |
| pMR10-C124A | *Caulobacter crescentus* NA1000 | This study |
| pMR10-G126A | *Caulobacter crescentus* NA1000 | This study |
| pMR10-C127A | *Caulobacter crescentus* NA1000 | This study |
| pMR10-U130A | *Caulobacter crescentus* NA1000 | This study |
| pMR10-G132A | *Caulobacter crescentus* NA1000 | This study |
| pMR10-T1 | *Caulobacter crescentus* NA1000 | This study |
| pMR10-T2 | *Caulobacter crescentus* NA1000 | This study |
| pMR10-T3 | *Caulobacter crescentus* NA1000 | This study |
| pMR10-T4 | *Caulobacter crescentus* NA1000 | This study |
| pMR10-T5 | *Caulobacter crescentus* NA1000 | This study |
| pMR10-T6 | *Caulobacter crescentus* NA1000 | This study |
| pMR10-L1 | *Caulobacter crescentus* NA1000 | This study |
| pMR10-L2 | *Caulobacter crescentus* NA1000 | This study |
| pMR10-L3 | *Caulobacter crescentus* NA1000 | This study |
| pMR10-SCM1 | *Caulobacter crescentus* NA1000 | This study |
| pMR10-SCM2 | *Caulobacter crescentus* NA1000 | This study |
| pMR10-ΔP4 | *Caulobacter crescentus* NA1000 | This study |
| pMR10-ΔP5 | *Caulobacter crescentus* NA1000 | This study |
| pMR10-2xNt | *Caulobacter crescentus* NA1000 | This study |
| pMR10-dfsNt | *Caulobacter crescentus* NA1000 | This study |
| pMR10-dfsNt + Nt | *Caulobacter crescentus* NA1000 | This study |
| pMR10-mut D1 | *Caulobacter crescentus* NA1000 | This study |
| pMR10-mut D2  | *Caulobacter crescentus* NA1000 | This study |
| pMR10-ΔAAI | *Caulobacter crescentus* NA1000 | This study |
| pMR10-AAI–DDK | *Caulobacter crescentus* NA1000 | This study |
| pMR10-mut CM1 | *Caulobacter crescentus* NA1000 | This study |
| pMR10-mut CM2 | *Caulobacter crescentus* NA1000 | This study |
| pMR10-mut 1 | *Caulobacter crescentus* NA1000 | This study |
| pMR10-mut 2 | *Caulobacter crescentus* NA1000 | This study |
| pMR10-mut 3 | *Caulobacter crescentus* NA1000 | This study |
| pMR10-mut 4 | *Caulobacter crescentus* NA1000 | This study |
| pMR10-mut 5 | *Caulobacter crescentus* NA1000 | This study |
| pMR10-mut 6 | *Caulobacter crescentus* NA1000 | This study |
| pZE12-BG | *Escherichia coli* MG1655 | This study |
| pZE12-5′UTR*dnaA*-Nt | *Escherichia coli* MG1655 | This study |
| pZE12-5′UTR*dnaA*-ΔNt | *Escherichia coli* MG1655 | This study |
| pZE12-5′UTR*6/13*-Nt | *Escherichia coli* MG1655 | This study |
| pZE12-5′UTR*6/13*-ΔNt | *Escherichia coli* MG1655 | This study |
| pZE12-dfsNt | *Escherichia coli* MG1655 | This study |
| pZE12-mut D1 | *Escherichia coli* MG1655 | This study |
| pZE12- mut D2  | *Escherichia coli* MG1655 | This study |
| pZE12-ΔAAI | *Escherichia coli* MG1655 | This study |
| pZE12-AAI–DDK | *Escherichia coli* MG1655 | This study |