**Table S2.** The information of genes used to construct mutants for biofilm formation test in this study.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Gene name | Protein\_id | Gene locus | Biofilm formation (EC1%) | Function predicted |
| SlmA | WP\_012882897.1 | W909\_RS00680 | 72.5 | nucleoid occlusion factor SlmA |
| MfbR | WP\_016943684.1 | W909\_RS03565 | 86.3 | MarR family transcriptional regulator |
| AcrR | WP\_016942057.1 | W909\_RS05150 | 116.5 | DNA-binding transcriptional repressor AcrR |
|  | WP\_016941958.1 | W909\_RS05735 | 87.9 | TetR/AcrR family transcriptional regulator |
| DctR | WP\_016943817.1 | W909\_RS06645 | 93.2 | DNA-binding response regulator |
| MfaR | WP\_016943805.1 | W909\_RS06705 | 109.6 | MarR family transcriptional regulator |
| Fnr | WP\_016941395.1 | W909\_RS09600 | 108.3 | transcriptional regulator FNR |
| **ArcA** | **WP\_016940664.1** | **W909\_RS16795** | **53.8** | **two-component system response regulator ArcA** |