**S4 Table. Plasmids used in this study.**

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| **Plasmid** | **Description** | **Reference** |
| pEXG2 | Allelic exchange vector with pBR origin, gentamicin resistance, *sacB* | [62] |
| pUCP18 | E. coli-Pseudomonas Ampr shuttle vector | Laboratory stock |
| pBBR1-MCS5 | E. coli-Pseudomonas Gentr shuttle vector | Laboratory stock |
| pIT2 | ISlacZ/hah transposon mutagenesis vector | [25] |
| pET21b | Protein expression vector, Ampr  | Laboratory stock |
| pET28b | Protein expression vector, Kanr  | Laboratory stock |
| pSP201 | pET21b-*bphP-His6* | This study |
| pSP202 | pET21b*-kinB-His6* | This study |
| pSP203 | pET28b*-His6-algB* | This study |
| pSP204 | pET21b*-bphPH513A-His6* | This study |
| pSP205 | pET28b*-His6-algBPpu* | This study |
| pSP206 | pET28b*-His6-algBD59N* | This study |
| pSP207 | pET21b*-kinBP390S-His6* | This study |
| pSP208 | pET28b*-His6-ntrC* | This study |
| pSP209 | pET28b*-His6-algBRce* | This study |
| pSP210 | pET28b*-His6-algBAxy* | This study |