**Table S1: Constructs prepared in this study**

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| **Constructs** | **Description** | **Primers** |
| pSBC2 | pET28b+ derivative carrying murC | F-GCCCATATGAGCACCGAGCAGTTGCCG R-GCCGGATCCTCATCCCAGCACCCCCG |
| p43D | pET43.1b+ derivative carrying murD | F-TTTCGGATTCAGTGCTTGACCCTCTGG R-TTTAAGCTTCTACCGGATCACCGCGCG |
| pSBC1  | pET28b+ derivative carrying murE | reference 15 |
| pSBC4 | pET28b+ derivative carrying murF  | F-CGCCATATGATCGAGCTGACCGTCGC R-CCCGGATCCTCATGGGCGCACACTCC |
| p31C | pVLT31 derivative carrying His-tagged fusion of murC | sub-cloned from pSBC2 |
| p31F | pVLT31 derivative carrying His-tagged fusion of murF | sub-cloned from pSBC4 |
| pYUBP1 | pYUB76 derivative carrying region P1  | F-TTAAGGATCCTCGCCATGCTGTCCCCG R-TTAAGGATCCCGGGCCAGCGATGACAC |
| pYUBP2 | pYUB76 derivative carrying region P2  | F-TTTTGGATCCCGGGCTGATCGGCAACG R-TTTTGGATCCACCGACGCGTGCGTGc |
| murC200 | pUAB200 derivative carrying murC (Bait) | F-GGCAATTGACGTGAGCACCGAGCAG R-CGTATCGATCCGTCATCCCAGCACC |
| murD200 | pUAB200 derivative carrying murD (Bait) | F-CCTCCAATTGCGCGCATGATCGAGCTG R-CGCGATCGATGCCTCATGGGCGCACAC |
| murE200 | pUAB200 derivative carrying murE (Bait) | F-CGCCGAATTCGTAGGGTGTCATCGCTG R-CGGTCAATCGATTCATGCGCGCCGCTC |
| murF200 | pUAB200 derivative carrying murF (Bait) | F-CCTCCAATTGCGCGCATGATCGAGCTG R-CGCGATCGATGCCTCATGGGCGCACAC  |
| pknA100 | pUAB100 derivative carrying murE (Prey) | F-CGCGCGGATCCAATGACCACCCCTTC R-CGCGCATCGATCTACTGGCCGAACCTC |
| pknB100 | pUAB100 derivative carrying pknA (Prey) | F-GCAGTGGCCACCATGAGCCCCCGAGT R-GGATCGATTGGTCATTGCGCTATCTC |
| murI100 | pUAB100 derivative carrying murI (Prey) | F-GCCGGATCCTATGAATTCGCCGTTGG R-GCGCTCATCGATGGCCTAATGAATGC |
| dapF100 | pUAB100 derivative carrying dapF (Prey) | F-CGCGGATCCGGCGCAGATGATCTTC R-CGCGCATCGATTGCCTGGGATCACC |
| ddlA100 | pUAB100 derivative carrying ddlA (Prey) | F-CGCGGATCCGGTTGTGAGTGCTAAC R-CACCATCGATCTAGTGCAGGCCCACC |
| namH100 | pUAB100 derivative carrying namH (Prey) | F**-**CGAAAGGATCCTGTGCAGGTCACAAGC R-CGTAACGTTGCATCATGGCCGTGAAC |
| Rv2160-100 | pUAB100 derivative carrying Rv2160c (Prey) | F-TTGGGGATCCTGTGGGTCGGATACCTG R-GCCGGATCGATTCATGATTCGACTCCC |
| ftsW100 | pUAB100 derivative carrying ftsW (Prey) | F-TTGGGGATCCTGTGCTAACCCGGTTGCT R-CCGGATCGATTCACCCGTAACGCTGAC |
| ftsQ100 | pUAB100 derivative carrying ftsQ (Prey) | F-TGGGGGATCCTATGACGGAACACAACG R-CCGGATCGATCTATTTCACGGTCGGCA |
| ftsZ100 | pUAB100 derivative carrying ftsZ (Prey) | F-TTCCGGATCCTATGACCCCCCCGCACA R-CCGGATCGATTCAGCGGCGCATGAAG |
| sepF100 | pUAB100 derivative carrying sepF (Prey) | F-GGGGGATCCCGTGAATAGTCACTGTAG R-GCGGATCGATCTATTGGTAGGCGTAGA |
| wag100 | pUAB100 derivative carrying wag31 (Prey) | F-GGGGGATCCAATGCCGCTTACACCTGC R-CCCGATCGATCTAGTTTTTGCCCCGGTT |
| nat200 | pUAB200 derivative carrying nat (Bait) | F-GGTACAATTGGCAACATGGCACTGG R- GCGACAACGTTGAAGCCTTACGG |
| fabD100 | pUAB100 derivative carrying fabD (Prey) | F-GCGGGATCCTCTTAGACACGTGATTG R-GGCATCGATCCGCGGTTATAGGTTTG |
| inhA200 | pUAB200 derivative carrying inhA (Bait) | F-CGCGCGAATTCACATGACAGGACTGCT R-GCAATCGATCTAGAGCAATTGGGTGTG |
| accD6100 | pUAB100 derivative carrying accD6 (Prey) | F-GGGATCCGAGACCTGCGATGACAATC R-GGATCGATCTACAGCGGGATGTTCTTG |
| \*Restriction sites are underlined |  |