**Table S7. Bacterial strains used in this study**

| Bacterial strains | Description | Reference/source |
| --- | --- | --- |
| *E.coli* DH5α | Type strain (F-, φ80d lacZ ΔM15, Δ(lacZYA argF) U169, deoR , recA1 , endA1 , hsdR17 (rK-, mK+), phoA, supE44 , λ-, thi-1, gyrA96 , relA1) | Our lab |
| *E.coli* BW25113 | Type strain (F- DE(araD-araB)567 lacZ4787(del)::rrnB-3 LAM-rph-1 DE(rhaD-rhaB)568 hsdR514) | Our lab |
| *E.coli* ATCC25922 | Type strain | Our lab |
| *P. aeruginosa* ATCC27853 | Type strain | Our lab |
| *S. Typhimurium* SL1344 | Type strain | Our lab |
| *K. pneumoniae* ATCC13883 | Type strain | Our lab |
| *A. baumannii* ATCC19606 | Type strain | Our lab |
| *S. aureus* ATCC25913 | Type strain | Our lab |
| *A. baumannii* clinical isolate 1 | Clinical isolate | Our lab |
| *A. baumannii* clinical isolate 2 | Clinical isolate | Our lab |
| *E. coli* CRE clinical isolate 1 | Clinical isolate | Our lab |
| *K. pneumoniae* CRKP clinical isolate 1 | Clinical isolate | Our lab |
| *S. aureus* MRSA clinical isolate 1 | Clinical isolate | Our lab |
| *S. aureus* MRSA clinical isolate 2 | Clinical isolate | Our lab |
| *E. coli mcr-1*[+] clinical isolate 1 | Clinical isolate | Our lab |
| *E. coli mcr-1*[+] clinical isolate 2 | Clinical isolate | Our lab |
| *E.coli* BW25113 Δ *mrcB* | *E. coli* BW25113 derivative with the deletion of *mrcB* | This study |
| *E.coli* BW25113 Δ *ycbB* | *E. coli* BW25113 derivative with the deletion of *ycbB* | This study |
| *E.coli* BW25113 Δ *ycfM* | *E. coli* BW25113 derivative with the deletion of *ycfM* | This study |