Table S3: Isolates used in this study

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Genus** | **Species** | **Strain** | **NCBI genome accession** | **Notes** |
| *Escherichia* | *coli* | DH5α | SAMN07197446 | Standard laboratory reference strain (53). |
| *Escherichia* | *coli* | DH5α-rifR | N/A | Rifampicin resistant derivative of DH5α. |
| *Escherichia* | *coli* | J53 | SAMN08874679 | Azide and rifampicin resistant *E. coli* (54).  |
| *Shigella* | *sonnei* | 726 | SAMN11948688 | Clinical *S. sonnei* isolate. TetR. |
| *Shigella* | *sonnei* | 726-1 | N/A | Rifampicin resistant derivative of 726. TetR. |
| *Shigella* | *sonnei* | ATCC 25931 | N/A | From the American Type Culture Collection.  *Shigella sonnei* (Levine) Weldin, NCDC1120-66. ATCC 25931TM. |
| *Shigella* | *sonnei* | SBJ-12001 | SAMN07450846 | Clinical *S. sonnei* isolate. TetR. |
| *Shigella* | *sonnei* | SBJ-12001-1 | N/A | Rifampicin resistant derivative of SBJ-12001. TetR. |
| *Shigella* | *sonnei* | SBJ-13001 | SAMN05510450 | Clinical *S. sonnei* isolate. TetR. |
| *Shigella* | *sonnei* | SBJ-13001-1 | N/A | Rifampicin resistant derivative of SBJ-13001. TetR. |
| *Shigella* | *sonnei* | SBJ-9961 | SAMN07662568 | Second isolate from same patient as SBJ-9962, isolated after treatment failure, originally sequenced to see if new genes had been acquired. No differential test results. |
| *Shigella* | *sonnei* | SBJ-9962 | SAMN07663113 | First isolate from same patient as SBJ-9961. No differential test results. |

Strains without a reference originate from this study.