**Table S1. *E. coli* strains and phages used in this study.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Bacterial strains and phages**  | **Characteristics**  | **References** | **Accession no****NCBI** |
| *E. coli* *strains* |  |
| C600 | K-12 F*- tonA21 thi-1 thr-1 leuB6 lacY1 glnV44 rfbC1 fhuA1,* λ- | (Appleyard, 1954) |  |
| DH5α | K-12 F– *endA1* *glnV44* *thi-1* *recA1* *relA1* *gyrA96* *deoR* *nupG* *purB20* φ80d*lacZ*ΔM15 Δ(*lacZYA-argF*)U169, hsdR17(*rK*–*mK*+), λ– | (Hanahan, 1985) |  |
| *Phages* |  |
| TL-2011cCm | Recombinant version of *stx2*-phage from *E. coli* O103:H25, NIPH-11060424, Norwegian outbreak strain from 2006, TL-2011cΔ*stx2*::*cat*\*. | (Iversen et al., 2015) | NC\_019442 |
| phi3538/95Cm  | Recombinant version of *stx2*- phage from a patient with HUS, Germany, 1995, phi3538/95Δ*stx2::cat*  | (Eichhorn et al., 2018; Schmidt et al., 1999) | DABAXU010000057.1andDABAXU010000052.1 |
| 933WCm | Recombinant version of *stx2*- phage from EHEC O157:H7 EDL933, 933WΔ*stx2::cat* | (Gamage et al., 2003) | NC\_000924.1 |

\* Synonym name of the phage is ϕ734Δ*stx2*::*cat*