

Supplementary Table S1: phenotypic and genotypic characteristics of analyzed clinical isolates of multidrug resistant *E. coli*.

Strain	Virotype	Phenotype	Resistance genotype	Resistotype	MDR classification
<i>E. coli</i> 2	<i>hlyA, kpsM, vat, cnf-1, traT, iucD, iutA, feoB</i>	Biofilm, Motility, ESBL+	CTX-M 1 y 8, CTX-M-9. TEM, CTX-M-2, CTX-M-151, qnrB, aac(6')-Ib	GM, CIP, NOR, LVX, TSX, AMP, CFX, CFZ, CTX, CRO, FEP, ATM, AMC, AMS, TE	XDR
<i>E. coli</i> 27	<i>fimH, sfaD/focC, fliCD, sat, kpsM, traT, iroN, iucD, fyuA, feoB</i>	Biofilm, Motility, CAR+	CTX-M 1 y 8, CTX-M-2	AMK, GM, CIP, NOR, LVX, TSX, AMP, CX, CFZ, CTX, CRO, AMC, MEM	XDR
<i>E. coli</i> 29	<i>fimH, sfaD/focC, fliCD, cnf-1, traT, iha, feoB</i>	Biofilm, Motility, Capsule, ESBL+	CTX-M-2, TEM	AMK, GM, CIP, NOR, LVX, TSX, AMP, CFX, CTX, AMC, TE	MDR
<i>E. coli</i> 34	<i>fimH, papG-II, fliCD, sat, hlyA, kpsM, vat, cnf-1, traT, iroN, iucD, fyuA, feoB</i>	Biofilm, Motility, Capsule, Hemolysis, ESBL+	CTX-M-2	AMK, GM, CIP, NOR, LVX, TSX, MAC, AMP, CFX, CFZ, CTX, CRO, AMC, TE	XDR
<i>E. coli</i> 37	<i>fimH, fliCD, sat, hlyA, kpsM, vat, iroN, iucD, fyuA, iha, feoB</i>	Biofilm, Motility, Capsule, Hemolysis, ESBL+	TEM, CTX-M-2	TSX, AMP, AMC, AMS	MDR
<i>E. coli</i> PNG	<i>iucD, sat, fimH, iha, papG, papA, hlyA</i>	Motility	-	AMK, GM, NET, AN, CIP, OFX, NOR, LVX, TSX, MAC, C, AM, CF, CFX, CFZ, CTX, CRO, FEP, ATM, AMC, FOS, CL, TE, ETP	PDR

fimH: Type 1 pilus adhesin; ***sfaD/focC***: F1C pilus; ***papG-II***: Type P pilus Adhesin allele 2; ***fliCD***: Flagellin subunit/flagellar cap; ***hlyA***: α -hemolysin; ***kpsM***: Capsular variant; ***vat***: Autotransporter secreted toxin; ***cnf-1***: Necrotizing cytotoxic factor; ***traT***: Complement resistance associated protein; ***iucD***: Aerobactin; ***iutA***: Aerobactin receptor; ***feoB***: Ferrous iron transporter B; ***fyuA***: Ferric yersiniabactin uptake receptor; ***sat***: Secreted autotransporter toxin; ***iha***: Enterobactin; ***iroN***: Salmochelin; ***papA***: Type P pilus; **ESBL+**: Extended spectrum betalactamase phenotype; **CAR+**: Positive carbapenemases phenotype; **CTX-M**; **TEM**; **SHV**: β -lactamases associated genes; **qnrB**; **aac(6')-Ib**: Quinolones resistance associated genes (plasmids). **GM**: Gentamicin; **CIP**: Ciprofloxacin; **NOR**: Norfloxacin; **LVX**: Levofloxacin; **TSX**: Cotrimoxazole; **AMP**: Ampicillin; **CFX**: Cefuroxime; **CTX**: Cefotaxime; **CRO**: Ceftriaxone; **FEP**: Cefepime; **ATM**: Aztreonam; **AMC**: Amoxicillin - Clavulanic acid; **AMS**: Ampicillin-Sulbactam; **TE**: Tetracycline; **AMK**: amikacin; **CF**: Cephalothin; **CL**: Colistin; **ETP**: Ertapenem; **MEM**: Meropenem; **MDR**: Multi-drug resistant; **XDR**: Extensively drug-resistant; **PDR**: Pandrug-resistant.