TABLE MICs of ß-lactams and plasmid genotypes of third-generation cephalosporin-resistant strains of *E. coli* O157:H7 and transconjugants

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Strain | Source/  Year | MIC (µg/ml) | | | | | | ß-Lactamase | CMY-2+ Plasmid size (kbp) | Integron | Replicon type | Plasmid MLST (IncI1) | | | | | |
| AMP | FOX | CTX | CAZ | ATM | IPM | repI1 | *ardA* | *trbA* | *sogS* | *pilL* | ST |
| C600 |  | 8 | 8 | ≤0.5 | ≤0.5 | ≤1 | ≤0.5 | none | none | none | none | NDa | | | | | |
| 18H093 | Patient  2006 | >32 | >32 | 32 | >32 | 32 | ≤0.5 | CMY-2 | NDa | *intI*1b | IncI1,  Frep,FIB | NDa | | | | | |
| C600 18H093c |  | >32 | >32 | 16 | 32 | 8 | ≤0.5 | CMY-2 | 110 | *intI*1b | IncI1 | 1 | 5 | 15 | 11 | 3 | NAd |
| 19H131 | Patient  2007 | >32 | >32 | 16 | 16 | 16 | ≤0.5 | CMY-2 | NDa | none | IncI1,  Frep,FIB | NDa | | | | | |
| C600 19H131c |  | >32 | 32 | 8 | 16 | 4 | ≤0.5 | CMY-2 | 95 | none | IncI1 | 4 | 5 | 15 | 11 | 3 | 55 |
| 19H180 | Patient  2007 | >32 | >32 | 16 | 32 | 8 | ≤0.5 | CMY-2  TEM-1 | NDa | none | IncI1,  Frep,FIB | NDa | | | | | |
| C600 19H180c |  | >32 | 32 | 8 | 16 | 4 | ≤0.5 | CMY-2 | 95 | none | IncI1 | 4 | 5 | 15 | 11 | 3 | 55 |
| 19H187 | Carrier  2007 | >32 | >32 | 8 | 16 | 8 | ≤0.5 | CMY-2  TEM-1 | NDa | none | IncI1,  Frep,FIB | NDa | | | | | |
| C600 19H187c |  | >32 | >32 | 8 | 16 | 4 | ≤0.5 | CMY-2 | 95 | none | IncI1 | 4 | 5 | 15 | 11 | 3 | 55 |
| 19H188 | Carrier  2007 | >32 | >32 | 8 | 16 | 8 | ≤0.5 | CMY-2  TEM-1 | NDa | none | IncI1,  Frep,FIB | NDa | | | | | |
| C600 19H188c |  | >32 | 32 | 8 | 16 | 4 | ≤0.5 | CMY-2 | 95 | none | IncI1 | 4 | 5 | 15 | 11 | 3 | 55 |
| 19H252 | Patient  2007 | >32 | >32 | 16 | 32 | 8 | ≤0.5 | CMY-2 | NDa | none | IncI1,  Frep,FIB | NDa | | | | | |
| C600 19H252c |  | >32 | 32 | 8 | 16 | 4 | ≤0.5 | CMY-2 | 95 | none | IncI1 | 4 | 5 | 15 | 11 | 3 | 55 |
| 19H311 | Patient  2007 | >32 | >32 | 16 | 32 | 8 | ≤0.5 | CMY-2 | NDa | none | IncI1,  Frep,FIB | NDa | | | | | |
| C600 19H311c |  | >32 | 32 | 8 | 16 | 4 | ≤0.5 | CMY-2 | 95 | none | IncI1 | 4 | 5 | 15 | 11 | 3 | 55 |

a Not determined, b Class 1 integron, c Transconjugant (Recipient/Donor), d Not applicable in the Plasmid MLST database (<http://pubmlst.org/plasmid/>)