

# Supplementary Material

**Table S1.** Primers employed for detection of virulence genes.

| Gene         | Primer (5'-3')                                                        | Product Size (bp) | Reference                |
|--------------|-----------------------------------------------------------------------|-------------------|--------------------------|
| <i>escV</i>  | ATTCTGGCTCTCTTCTTCTTTATGGCT<br>G<br>CGTCCCCTTTTACAACTTCATCGC          | 544               | Muller et al. (2007)     |
| <i>ent</i>   | TGGGCTAAAAGAAGACACACTG<br>CAAGCATCCTGATTATCTCACC                      | 629               | Muller et al. (2007)     |
| <i>eaeA</i>  | GACCCGGCACAAGCATAAGC<br>CCACCTGCAGCAACAAGAGG                          | 384               | Paton et al. (2002)      |
| <i>bfpB</i>  | GACACCTCATTGCTGAAGTCG<br>CCAGAACACCTCCGTTATGC                         | 910               | Muller et al. (2007)     |
| <i>stx1</i>  | ATAAATCGCCATTCGTTGACTAC<br>AGAACGCCCACTGAGATCATC                      | 180               | Paton et al. (2002)      |
| <i>stx2</i>  | GGCACTGTCTGAAACTGCTCC<br>TCGCCAGTTATCTGACATTCTG                       | 255               | Paton et al. (2002)      |
| <i>hlyA</i>  | GCATCATCAAGCGTACGTTCC<br>AATGAGCCAAGCTGGTTAAGCT                       | 534               | Paton et al. (2002)      |
| <i>saa</i>   | CGTGATGAACAGGCTATTGC<br>ATGGACATGCCTGTGGCAAC                          | 119               | Antikainen et al. (2009) |
| <i>invE</i>  | CGATAGATGGCGAGAAATTATATCC<br>CG<br>CGATCAAGAATCCCTAACAGAAGA<br>ATCAC  | 766               | Muller et al. (2007)     |
| <i>astA</i>  | TGCCATCAACACAGTATATCCG<br>ACGGCTTTGTAGTCCTTCCAT                       | 102               | Muller et al. (2007)     |
| <i>aggR</i>  | ACGCAGAGTTGCCTGATAAAG<br>AATACAGAATCGTCAGCATCAGC                      | 400               | Muller et al. (2007)     |
| <i>pic</i>   | AGCCGTTTCCGCAGAAGCC<br>AAATGTCAGTGAACCGACGATTGG                       | 1111              | Muller et al. (2007)     |
| <i>elt</i>   | GAACAGGAGGTTTCTGCGTTAGGTG<br>CTTTCAATGGCTTTTTTTTGGGAGTC               | 655               | Muller et al. (2007)     |
| <i>estIa</i> | CCTCTTTTAGYCAGACARCTGAATCA<br>STTG<br>CAGGCAGGATTACAACAAAGTTCAC<br>AG | 157               | Muller et al. (2007)     |
| <i>estIb</i> | TGTCTTTTTCACCTTTCGCTC<br>CGGTACAAGCAGGATTACAACAC                      | 171               | Muller et al. (2007)     |

**Table S1:** Primers employed for detection of antimicrobial resistance genes.

| Gene                       | Primer (5'-3')                                    | Product Size (bp) | Reference                                          |
|----------------------------|---------------------------------------------------|-------------------|----------------------------------------------------|
| <i>bla<sub>TEM</sub></i>   | GTGGACAAAGGTACAACGAG<br>CGGTAAAGTTCGTCACACAC      | 857               | (Maynard et al., 2003)                             |
| <i>bla<sub>CMY-2</sub></i> | GACAGCCTCTTTCTCCACA<br>TGGACACGAAGGCTACGTA        | 1000              | (Maynard et al., 2003)                             |
| <i>strA/strB</i>           | ATGGTGGACCCTAAAACCTCT<br>CGTCTAGGATCGAGACAAAG     | 891               | (Maynard et al., 2003)                             |
| <i>aadA1</i>               | GTGGATGGCGGCCTGAAGCC<br>AATGCCCAGTCGGCAGCG        | 525               | (Maynard et al., 2003)                             |
| <i>tet(A)</i>              | GCTACATCCTGCTTGCCTTC<br>CATAGATCGCCGTGAAGAGG      | 210               | (Dahshan, Shahada, Chuma, Moriki, & Okamoto, 2010) |
| <i>tet(B)</i>              | TTGGTTAGGGGCAAGTTTTG<br>GTAATGGGCCAATAACACCG      | 659               | (Dahshan et al., 2010)                             |
| <i>tet(G)</i>              | GCTCGGTGGTATCTCTGCTC<br>AGCAACAGAATCGGGAACAC      | 468               | (Dahshan et al., 2010)                             |
| <i>sul1</i>                | TGGTGACGGTGTTTCGGCATT<br>GCGAGGGTTTCCGAGAAGGTG    | 789               | (Costa et al., 2008)                               |
| <i>sul2</i>                | CGGCATCGTCAACATAACC<br>GTGTGCGGATGAAAGTCAG        | 722               | (Costa et al., 2008)                               |
| <i>sul3</i>                | GAGCAAGATTTTTGGAATCG<br>CATCTGCAGCTAACCTAGGGTTTGA | 792               | (Costa et al., 2008)                               |

**Table S2:** Phenotypic and genotypic profiles of tested *E. coli* isolates

| Isolate N° | Antimicrobial Resistance Profile | Antimicrobial Resistance Genes                | Virulence Genes            | Pathotype   |
|------------|----------------------------------|-----------------------------------------------|----------------------------|-------------|
| C1         | AM AMC KF                        | <i>sul2 strA/strB tet(B)</i>                  | <i>hlyA saa</i>            | NC          |
| C2         | AM AMC KF TE                     | <i>sul2</i>                                   |                            |             |
| C3         | AMC KF                           |                                               | <i>stx1 stx2 hlyA</i>      | EHEC        |
| C4         | AMC KF                           | <i>sul1 sul2</i>                              | <i>stx2 hlyA</i>           | EHEC        |
| C5         | AM AMC KF                        | <i>tetA</i>                                   | <i>stx2 hlyA astA aggR</i> | EHEC / EAEC |
| C6         | KF                               |                                               |                            |             |
| C7         | AMC                              | <i>bla<sub>CMY-2</sub> sul1 tet(G)</i>        | <i>stx2 hlyA astA</i>      | EHEC        |
| C8         | AM AMC KF                        | <i>bla<sub>CMY-2</sub> sul2 tet(G)</i>        | <i>astA</i>                | EAEC        |
| C11        | AM AMC KF                        |                                               | <i>pic</i>                 | EAEC        |
| C12        | AMC FOX KF CTX TE ATM            | <i>sul2</i>                                   | <i>hlyA</i>                | NC          |
| C14        | AM AMC KF                        | <i>sul1 sul2 tet(B)</i>                       | <i>stx1 stx2 hlyA</i>      | EHEC        |
| C15        | AMC KF ENR                       | <i>tetB</i>                                   | <i>stx1 hlyA</i>           | EHEC        |
| C16        | AM AMC FOX KF CTX TE ENR ATM     | <i>sul2</i>                                   | <i>stx2</i>                | STEC        |
| C17        |                                  | <i>bla<sub>CMY-2</sub> sul2 tet(G)</i>        | <i>hlyA</i>                | NC          |
| C18        | AM AMC KF                        | <i>sul1 sul2 sul3 tet(B)</i>                  |                            |             |
| C19        | AM AMC KF                        | <i>sul2 tetG</i>                              |                            |             |
| C20        | AM AMC FOX KF CTX ENR CN ATM     | <i>sul1 tet(A) tet(G)</i>                     | <i>hlyA</i>                | NC          |
| C21        | AM AMC FOX KF CTX ENR ATM        | <i>sul2 sul3 tet(G)</i>                       | <i>eaeA hlyA astA</i>      | EAEC/aEPEC  |
| C22        | AM AMC FOX KF CTX CN ATM         | <i>sul2</i>                                   | <i>eae stx1 hlyA</i>       | EHEC        |
| C23        | AM KF                            | <i>sul2 tetG</i>                              |                            |             |
| C24        | AM AMC FOX KF CTX TE CN ATM      | <i>bla<sub>CMY-2</sub> sul1 tet(B) tet(G)</i> |                            |             |
| C25        | AM AMC FOX KF CTX TE ENR ATM     | <i>bla<sub>CMY-2</sub> sul1 tet(B)</i>        |                            |             |
| C26        | AMC FOX KF CTX TE ATM            | <i>sul1</i>                                   |                            |             |
| C27        | AM AMC FOX KF CTX TE CN ATM      | <i>bla<sub>CMY-2</sub> sul1 tet(G)</i>        |                            |             |
| C28        | AM AMC FOX KF CTX TE ENR CN ATM  | <i>bla<sub>CMY-2</sub> sul1 sul2 tet(G)</i>   |                            |             |
| C29        | AM AMC KF                        | <i>bla<sub>CMY-2</sub> tet(G)</i>             | <i>stx1 astA</i>           | STEC        |

|     |                                    |                                             |                                     |            |
|-----|------------------------------------|---------------------------------------------|-------------------------------------|------------|
| C30 | AM AMC FOX KF CTX TE CN<br>ATM     | <i>bla<sub>CMY-2</sub> sul1 sul2 tet(G)</i> | <i>hlyA astA</i>                    | NC         |
| C31 | AM AMC KF                          | <i>bla<sub>CMY-2</sub> tet(G)</i>           | <i>hlyA astA</i>                    | NC         |
| C32 | AM AMC KF                          | <i>bla<sub>CMY-2</sub> tet(G)</i>           | <i>hlyA astA</i>                    | NC         |
| C33 | AMC KF                             | <i>tet(A) tet(G)</i>                        | <i>eaeA hlyA astA</i>               | EAEC/aEPEC |
| C34 | AM AMC FOX KF CTX TE<br>ENR ATM    | <i>tet(B)</i>                               | <i>astA</i>                         | EAEC       |
| C35 | AM FOX KF CTX ENR CN<br>ATM        | <i>sul2</i>                                 |                                     |            |
| C36 | AM AMC FOX KF CTX                  |                                             |                                     |            |
| C37 |                                    | <i>bla<sub>CMY-2</sub> sul2 tet(G)</i>      | <i>hlyA</i>                         | NC         |
| C38 | AM AMC KF TE                       | <i>sul2 strA/strB tet(G)</i>                | <i>eaeA astA</i>                    | EPEC/EAEC  |
| C39 | AMC KF                             | <i>sul2 sul3 tet(B)</i>                     | <i>hlyA astA</i>                    | NC         |
| C41 | AM AMC FOX KF CTX CN<br>ATM        | <i>sul2</i>                                 |                                     |            |
| C43 | AM AMC FOX KF CTX TE<br>ENR CN ATM | <i>sul1 sul2 tet(G)</i>                     | <i>hlyA</i>                         | NC         |
| C45 | AM AMC KF                          | <i>tetG</i>                                 |                                     |            |
| C46 | AM KF                              | <i>sul2 tetG</i>                            |                                     |            |
| C47 | AM AMC KF TE                       |                                             |                                     |            |
| C48 | AMC KF CTX CN ATM                  | <i>strA/strB tetA tetG</i>                  |                                     |            |
| C49 | AM AMC FOX KF CTX TE CN<br>ATM     |                                             |                                     |            |
| C50 | AM AMC FOX KF ATM                  | <i>sul1 sul2</i>                            |                                     |            |
| C51 | AM AMC KF TE                       | <i>sul3</i>                                 | <i>eaeA stx2 hlyA</i>               | EHEC       |
| C52 | AM AMC FOX KF TE ENR               | <i>sul2</i>                                 | <i>hlyA astA</i>                    | NC         |
| C53 | AM AMC KF                          |                                             |                                     |            |
| C54 | AMC FOX KF CTX ENR CN<br>ATM       |                                             |                                     |            |
| C55 | AM AMC FOX KF TE                   | <i>tetB</i>                                 | <i>hlyA astA</i>                    | NC         |
| C56 | AM AMC KF TE                       | <i>sul1</i>                                 |                                     |            |
| C57 | AM AMC FOX KF CTX TE<br>ENR CN ATM |                                             | <i>stx1 hlyA</i>                    | EHEC       |
| C58 | AMC KF TE                          | <i>tetA</i>                                 |                                     |            |
| C59 | AM AMC KF CTX TE                   | <i>bla<sub>CMY-2</sub> sul1 sul2 tet(G)</i> | <i>eaeA hlyA escV astA<br/>aggR</i> | EAEC/aEPEC |
| C60 | FOX KF CTX TE ATM                  |                                             | <i>pic</i>                          | EAEC       |
| C61 | AMC FOX KF CTX TE CN<br>ATM        | <i>sul2 tet(B)</i>                          | <i>eaeA pic</i>                     | EPEC/EAEC  |

|      |                                        |                                                       |                                |           |
|------|----------------------------------------|-------------------------------------------------------|--------------------------------|-----------|
| C62  | AM AMC FOX KF CTX CN<br>ATM            | <i>tetB</i>                                           | <i>hlyA astA</i>               | NC        |
| C63  | AM AMC FOX KF CTX CN<br>ATM            | <i>tetB</i>                                           |                                |           |
| C64  | AM AMC KF                              | <i>tetA</i>                                           |                                |           |
| C65  | AM AMC KF                              | <i>sul2 tetG</i>                                      |                                |           |
| C67  | AM AMC KF ENR                          | <i>sul2</i>                                           |                                |           |
| C70  | AM AMC KF ENR                          |                                                       |                                |           |
| C71  | AM AMC FOX KF CTX TE<br>SXT ENR CN ATM | <i>sul1 sul2</i>                                      |                                |           |
| C72  | AM AMC KF                              | <i>bla<sub>CMY-2</sub> sul1</i>                       | <i>stx2 hlyA</i>               | EHEC      |
| C73  | AM FOX KF CTX CN ATM                   | <i>bla<sub>CMY-2</sub> tet(G)</i>                     | <i>stx2 astA</i>               | STEC      |
| C74  | AM FOX KF CTX TE ATM                   | <i>bla<sub>CMY-2</sub></i>                            |                                |           |
| C75  | AM KF ENR                              | <i>sul1 sul2 tet(G)</i>                               | <i>stx2</i>                    | STEC      |
| C76  | AM AMC FOX KF                          | <i>bla<sub>CMY-2</sub></i>                            | <i>stx2</i>                    | STEC      |
| C77  | KF CTX ATM                             | <i>sul2 tet(B)</i>                                    | <i>stx2 hlyA</i>               | EHEC      |
| C78  | AM AMC KF                              |                                                       |                                |           |
| C79  | AM AMC FOX KF CTX                      | <i>sul2</i>                                           | <i>hlyA</i>                    | NC        |
| C81  | AM AMC FOX KF                          | <i>sul2</i>                                           |                                |           |
| C82  | TE                                     | <i>sul1</i>                                           |                                |           |
| C83  | AM AMC FOX KF CTX TE                   | <i>tetB</i>                                           | <i>eaeA</i>                    | aEPEC     |
| C84  | AM AMC FOX KF TE                       |                                                       | <i>hlyA saa</i>                | NC        |
| C85  | AM AMC KF TE                           |                                                       |                                |           |
| C87  | AM AMC KF TE                           | <i>sul1 sul2strA/strB tet(G)</i>                      |                                |           |
| C89  | AM AMC KF                              | <i>sul2</i>                                           |                                |           |
| C90  | AM AMC KF CTX TE SXT<br>ENR ATM        | <i>strA/strB tetA tetG</i>                            |                                |           |
| C91  | AM AMC FOX KF                          |                                                       | <i>stx2 astA</i>               | STEC      |
| C92  | AM AMC FOX KF TE                       | <i>bla<sub>CMY-2</sub> sul2 aadA1</i>                 | <i>eaeA</i>                    | aEPEC     |
| C93  | AMC TE                                 | <i>bla<sub>CMY-2</sub> sul1 sul2</i>                  | <i>astA</i>                    | EAEC      |
| C94  | AMC FOX KF                             | <i>bla<sub>CMY-2</sub> sul1 sul2 tet(G)</i>           | <i>eaeA escV astA<br/>aggR</i> | EHEC/EAEC |
| C95  | AM AMC KF TE                           |                                                       | <i>stx2 astA</i>               | STEC      |
| C96  | AMC                                    | <i>bla<sub>CMY-2</sub> aadA1 tet(G)</i>               | <i>hlyA</i>                    | NC        |
| C97  | AMC KF                                 | <i>sul1 sul2 aadA1 tet(B)</i>                         | <i>stx1 stx2</i>               | STEC      |
| C98  | KF                                     | <i>bla<sub>CMY-2</sub> sul1 sul2 aadA1<br/>tet(G)</i> | <i>stx2 astA aggR</i>          | STEC/EAEC |
| C99  | AM AMC KF ENR                          | <i>bla<sub>CMY-2</sub> sul1 sul2</i>                  | <i>hlyA astA</i>               | NC        |
| C100 | AMC KF                                 | <i>bla<sub>CMY-2</sub> sul1 tet(G)</i>                | <i>hlyA</i>                    | NC        |

|      |                                |                                                                    |                                          |                     |
|------|--------------------------------|--------------------------------------------------------------------|------------------------------------------|---------------------|
| C101 | AMC FOX KF                     | <i>bla<sub>CMY-2</sub> tet(A)</i>                                  | <i>escV</i>                              | aEPEC               |
| C103 | AM AMC KF                      | <i>sul1 aadA1 tet(A) tet(G)</i>                                    | <i>stx2 hlyA astA</i>                    | EHEC                |
| C104 | AM AMC FOX KF CTX TE           | <i>bla<sub>CMY-2</sub> sul1 sul2</i>                               | <i>hlyA</i>                              | NC                  |
| C105 | AM AMC KF CTX TE               | <i>bla<sub>CMY-2</sub> sul1 strA/strB<br/>tet(A) tet(B) tet(G)</i> | <i>eaeA hlyA</i>                         | aEPEC               |
| C106 | AM AMC KF TE                   | <i>bla<sub>CMY-2</sub> sul1 tet(A) tet(B)<br/>tet(G)</i>           | <i>hlyA astA</i>                         | NC                  |
| C108 | AM AMC KF CTX TE ENR           | <i>tetA tetG</i>                                                   | <i>astA</i>                              | EAEC                |
| C109 | AM AMC KF TE                   | <i>bla<sub>CMY-2</sub> sul1 sul2 aadA1</i>                         | <i>hlyA</i>                              | NC                  |
| C110 | AM AMC KF TE                   | <i>bla<sub>CMY-2</sub> sul1 tet(A) tet(G)</i>                      | <i>stx1 hlyA</i>                         | EHEC                |
| C112 | AM AMC KF                      | <i>bla<sub>CMY-2</sub> sul2 tet(B)</i>                             | <i>hlyA</i>                              | NC                  |
| C113 | AMC KF                         | <i>bla<sub>CMY-2</sub> sul1 aadA1 tet(G)</i>                       | <i>stx2</i>                              | STEC                |
| C115 | AM KF                          | <i>bla<sub>CMY-2</sub> tet(G)</i>                                  | <i>eaeA hlyA escV</i>                    | aEPEC               |
| C116 | KF                             | <i>bla<sub>CMY-2</sub> tet(A)</i>                                  | <i>eaeA hlyA astA</i>                    | EAEC/aEPEC          |
| C117 | AM AMC KF TE                   | <i>bla<sub>CMY-2</sub> sul1 tet(A) tet(B)</i>                      | <i>hlyA astA</i>                         | NC                  |
| C118 | AM AMC KF                      | <i>tetA tetB tetG</i>                                              | <i>stx2 astA</i>                         | STEC                |
| C119 | AMC KF CTX                     | <i>bla<sub>CMY-2</sub> sul1 tet(A)</i>                             |                                          |                     |
| C120 | AMC KF                         | <i>bla<sub>CMY-2</sub> tet(A)</i>                                  |                                          |                     |
| C122 | AMC KF                         | <i>bla<sub>CMY-2</sub> strA/strB tet(A)</i>                        |                                          |                     |
| C123 | AM AMC KF                      | <i>bla<sub>CMY-2</sub> sul1 aadA1 tet(A)<br/>tet(G)</i>            | <i>stx2</i>                              | STEC                |
| C124 | AM AMC KF                      | <i>bla<sub>CMY-2</sub></i>                                         | <i>eaeA stx2 hlyA escV<br/>astA aggR</i> | EHEC/EAEC<br>/aEPEC |
| C125 | AM AMC KF TE                   | <i>bla<sub>CMY-2</sub> sul1 tet(A)</i>                             | <i>hlyA escV astA<br/>aggR</i>           | EAEC/aEPEC          |
| C126 | AM AMC KF TE                   | <i>bla<sub>CMY-2</sub> aadA1</i>                                   | <i>stx2 hlyA astA</i>                    | EHEC                |
| C127 | AM KF TE                       | <i>bla<sub>CMY-2</sub> sul2</i>                                    | <i>hlyA</i>                              | NC                  |
| C128 | AM AMC KF TE                   | <i>bla<sub>CMY-2</sub> sul1 sul2</i>                               | <i>stx2 astA</i>                         | STEC                |
| C129 | AM AMC KF CTX TE               | <i>bla<sub>CMY-2</sub> tet(A)</i>                                  | <i>eaeA</i>                              | aEPEC               |
| C130 | AM AMC FOX KF CTX TE CN<br>ATM | <i>bla<sub>CMY-2</sub> sul1</i>                                    | <i>stx2 astA</i>                         | STEC                |
| C131 | AM AMC FOX KF CTX TE           | <i>bla<sub>CMY-2</sub> tet(A) tet(G)</i>                           |                                          |                     |
| C132 | AMC FOX KF CTX CN ATM          | <i>tetA tetG</i>                                                   |                                          |                     |
| C133 | AM AMC FOX KF CTX CN<br>ATM    | <i>bla<sub>CMY-2</sub></i>                                         |                                          |                     |
| C134 | AM AMC KF TE                   | <i>bla<sub>CMY-2</sub> sul1</i>                                    | <i>hlyA</i>                              | NC                  |
| C135 | AM AMC KF TE                   | <i>bla<sub>CMY-2</sub> sul1 strA/strB<br/>tet(G)</i>               | <i>hlyA</i>                              | NC                  |
| C136 | AM AMC KF                      | <i>bla<sub>CMY-2</sub></i>                                         |                                          |                     |

|      |                                    |                                             |                           |            |
|------|------------------------------------|---------------------------------------------|---------------------------|------------|
| C138 | AM AMC KF ENR                      |                                             |                           |            |
| C139 | AM AMC KF                          | <i>bla<sub>CMY-2</sub> sul1 aadA1</i>       | <i>stx2 hlyA pic</i>      | EHEC/EAEC  |
| C140 | AM AMC KF TE                       | <i>bla<sub>CMY-2</sub> sul1 tet(A)</i>      | <i>stx2 hlyA astA</i>     | EHEC       |
| C141 | AM AMC KF TE                       | <i>bla<sub>CMY-2</sub> sul2 strA/strB</i>   | <i>stx2 hlyA</i>          | EHEC       |
| C142 | AM AMC FOX KF CTX TE<br>ENR CN ATM | <i>bla<sub>CMY-2</sub> sul1 tet(A)</i>      | <i>stx2 hlyA</i>          | EHEC       |
| C143 | AM AMC FOX KF TE                   | <i>bla<sub>CMY-2</sub> sul1</i>             | <i>pic</i>                | EAEC       |
| C144 | AM AMC KF TE                       | <i>bla<sub>CMY-2</sub> sul1 sul2</i>        | <i>stx2</i>               | STEC       |
| C145 | AM AMC KF CTX TE ENR               |                                             | <i>stx2 astA</i>          | STEC       |
| C146 | AM AMC FOX KF CTX TE<br>ENR CN ATM | <i>bla<sub>CMY-2</sub></i>                  |                           |            |
| C147 | AM AMC FOX KF CTX TE<br>ENR CN ATM | <i>bla<sub>CMY-2</sub> strA/strB tet(B)</i> | <i>eaeA escV</i>          | aEPEC      |
| C148 | AMC KF CTX                         | <i>bla<sub>CMY-2</sub> sul1</i>             | <i>stx2 hlyA</i>          | EHEC       |
| C149 | AM AMC KF TE                       |                                             |                           |            |
| C150 | AM KF TE                           | <i>bla<sub>CMY-2</sub> sul1 tet(B)</i>      | <i>hlyA astA</i>          | NC         |
| C151 | AM AMC KF TE                       | <i>bla<sub>CMY-2</sub> sul1</i>             |                           |            |
| C152 | AM AMC KF                          |                                             | <i>hlyA astA</i>          | NC         |
| C153 | AM AMC KF TE                       | <i>bla<sub>CMY-2</sub> sul1</i>             | <i>hlyA astA</i>          | NC         |
| C154 | AM AMC KF CTX TE                   | <i>bla<sub>CMY-2</sub> sul1 tet(B)</i>      | <i>hlyA pic (AIEC)</i>    | NC         |
| C155 | AM AMC KF TE                       | <i>bla<sub>CMY-2</sub> sul1 aadA1</i>       | <i>hlyA</i>               | NC         |
| C156 | AM AMC KF TE                       | <i>bla<sub>CMY-2</sub> sul1</i>             | <i>eaeA hlyA astA pic</i> | EAEC/aEPEC |
| C159 | AM AMC KF TE                       | <i>bla<sub>CMY-2</sub> sul1</i>             |                           |            |
| C160 | AMC KF                             | <i>bla<sub>CMY-2</sub> sul1 aadA1</i>       | <i>eaeA hlyA astA</i>     | EAEC/aEPEC |
| C161 | AMC KF                             | <i>bla<sub>CMY-2</sub> sul1</i>             | <i>eaeA stx2 hlyA</i>     | EHEC       |
| C163 | AMC FOX KF                         | <i>bla<sub>CMY-2</sub> sul1</i>             | <i>hlyA pic (AIEC)</i>    | NC         |
| C164 | FOX                                | <i>bla<sub>CMY-2</sub> sul1 sul2 tet(A)</i> | <i>hlyA</i>               | NC         |
| C165 | AMC KF                             | <i>bla<sub>CMY-2</sub> sul1 sul2 tet(A)</i> | <i>hlyA astA</i>          | NC         |
| C167 | AM AMC KF                          | <i>bla<sub>CMY-2</sub></i>                  | <i>stx2 hlyA astA</i>     | EHEC       |
| C168 | AM AMC KF TE                       | <i>bla<sub>CMY-2</sub> sul2</i>             |                           |            |
| C169 | AM AMC KF                          | <i>bla<sub>CMY-2</sub></i>                  |                           |            |
| C171 | AM AMC KF CTX                      | <i>sul1 sul2</i>                            | <i>pic</i>                | EAEC       |
| C172 | AMC KF TE                          | <i>bla<sub>CMY-2</sub> sul1 tet(B)</i>      |                           |            |
| C173 | AM AMC FOX KF                      | <i>bla<sub>CMY-2</sub> sul1 tet(A)</i>      | <i>stx2 hlyA</i>          | EHEC       |
| C174 | AMC KF TE                          | <i>bla<sub>CMY-2</sub> sul1</i>             | <i>stx2</i>               | STEC       |
| C175 | AMC KF TE                          | <i>bla<sub>CMY-2</sub> sul1 tet(B)</i>      | <i>stx2</i>               | STEC       |
| C176 | AM AMC KF TE                       | <i>bla<sub>CMY-2</sub> sul1 aadA1</i>       | <i>stx2 hlyA</i>          | EHEC       |
| C177 | AMC KF TE                          | <i>bla<sub>CMY-2</sub> sul1</i>             | <i>stx2 hlyA</i>          | EHEC       |

|      |                        |                                              |                                    |           |
|------|------------------------|----------------------------------------------|------------------------------------|-----------|
| C178 | AM AMC KF TE           | <i>bla<sub>CMY-2</sub> sul1 aadA1 tet(A)</i> | <i>hlyA</i>                        | NC        |
| C179 | AM AMC KF TE           | <i>bla<sub>CMY-2</sub> aadA1</i>             | <i>eae stx1 stx2 hlyA</i>          | EHEC      |
| C180 | AMC KF                 | <i>bla<sub>CMY-2</sub></i>                   | <i>eae stx1 hlyA</i>               | EHEC      |
| C181 | AMC FOX KF TE          | <i>bla<sub>CMY-2</sub> aadA2</i>             | <i>eae stx1 hlyA</i>               | EHEC      |
| C182 | AMC                    | <i>bla<sub>CMY-2</sub> sul2</i>              | <i>eae stx1 hlyA</i>               | EHEC      |
| C183 | AMC KF                 | <i>bla<sub>CMY-2</sub> sul1 aadA1</i>        | <i>eae stx1 hlyA astA<br/>pic</i>  | EHEC/EAEC |
| C184 | AMC KF                 | <i>bla<sub>CMY-2</sub></i>                   | <i>eae stx1 hlyA astA<br/>pic</i>  | EHEC/EAEC |
| C185 | AMC                    | <i>bla<sub>CMY-2</sub></i>                   | <i>eae stx1 hlyA</i>               | EHEC      |
| C186 | AM AMC KF              | <i>bla<sub>CMY-2</sub> sul2</i>              | <i>eae stx1 hlyA</i>               | EHEC      |
| C187 | AM AMC KF              | <i>bla<sub>CMY-2</sub> aadA1 tet(A)</i>      | <i>stx1 stx2 hlyA</i>              | EHEC      |
| C189 | AMC KF                 | <i>bla<sub>CMY-2</sub> tet(A)</i>            | <i>astA</i>                        | EAEC      |
| C190 | KF TE                  |                                              |                                    |           |
| C191 | AMC KF                 |                                              | <i>eaeA hlyA</i>                   | aEPEC     |
| C192 | KF                     | <i>bla<sub>CMY-2</sub> aadA1</i>             | <i>hlyA astA</i>                   | NC        |
| C193 | KF                     |                                              | <i>hlyA astA</i>                   | NC        |
| C194 | AM AMC FOX KF C TE SXT |                                              | <i>eae stx1 stx2</i>               | EHEC      |
| C195 | AMC KF                 | <i>bla<sub>CMY-2</sub></i>                   |                                    |           |
| C197 | AM AMC KF              |                                              | <i>astA</i>                        | EAEC      |
| C198 | KF ATM                 | <i>bla<sub>CMY-2</sub></i>                   | <i>eae stx1 stx2 hlyA<br/>escV</i> | EHEC      |
| C199 | AM AMC KF TE           |                                              | <i>stx1 stx3</i>                   | STEC      |
| C200 |                        |                                              | <i>hlyA astA</i>                   | NC        |

Legend: AM = ampicillin; AMC = amoxicillin/clavulanic acid; FOX = cefoxitin; KF = cephalothin; CTX = cefotaxime; C = chloramphenicol; TE = tetracycline; SXT = trimethoprim/sulfamethoxazole; ENR = enrofloxacin; CN = gentamicin; S = streptomycin; IPM = imipenem; ATM = aztreonam; NC = Not classifiable