

## Material suplementario

| Antibiotic resistance pattern |     |     |     |     |     |     |     |     |     | Isolates N | Resistant to Antibiotics |
|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------|--------------------------|
| STX                           | NA  | SAM | AMC | IMP | MRP | FEP | CAZ | FOX | ATM | 2          | 10 Antibiotics           |
| STX                           | NA  | CN  | SAM | AMC | FOX | CTX | CZ  | FF  |     | 1          | 9 Antibiotics            |
| NA                            | CN  | SAM | FEP | AMC | ATM | CTX | CZ  | FF  |     | 1          | 9 Antibiotics            |
| STX                           | NA  | CAZ | FEP | AMC | ATM | CTX | CZ  | FF  |     | 1          | 9 Antibiotics            |
| STX                           | LEV | CIP | NA  | IMP | AMC | FOX |     |     |     | 1          | 7 Antibiotics            |
| NA                            | FEP | AMC | FOX | ATM | CTX | CZ  |     |     |     | 1          | 7 Antibiotics            |
| STX                           | LEV | CIP | NA  | SAM | FEP | AMC |     |     |     | 1          | 7 Antibiotics            |
| STX                           | NA  | CAZ | FEP | AMC | ATM | MRP |     |     |     | 1          | 7 Antibiotics            |
| CIP                           | NA  | CAZ | FEP | AMC | CTX | CZ  |     |     |     | 1          | 7 Antibiotics            |
| LEV                           | CIP | NA  | CN  | SAM | AMC | FF  |     |     |     | 1          | 7 Antibiotics            |
| STX                           | LEV | CIP | NA  | CN  | SAM |     |     |     |     | 1          | 6 Antibiotics            |
| STX                           | CIP | NA  | CN  | SAM | FEP |     |     |     |     | 1          | 6 Antibiotics            |
| STX                           | LEV | CIP | NA  | AMC |     |     |     |     |     | 1          | 5 Antibiotics            |
| STX                           | LEV | CIP | NA  | SAM |     |     |     |     |     | 1          | 5 Antibiotics            |
| STX                           | NA  | SAM | AMC | FF  |     |     |     |     |     | 1          | 5 Antibiotics            |
| STX                           | LEV | CIP | NA  |     |     |     |     |     |     | 2          | 4 Antibiotics            |
| STX                           | CIP | AMC | FOX |     |     |     |     |     |     | 1          | 4 Antibiotics            |
| STX                           | CIP | AMC | FOX |     |     |     |     |     |     | 1          | 4 Antibiotics            |
| CIP                           | NA  | SAM | AMC |     |     |     |     |     |     | 1          | 4 Antibiotics            |
| CIP                           | NA  | FEP | FF  |     |     |     |     |     |     | 1          | 4 Antibiotics            |
| STX                           | NA  | SAM |     |     |     |     |     |     |     | 1          | 3 Antibiotics            |
| NA                            | SAM | FEP |     |     |     |     |     |     |     | 1          | 3 Antibiotics            |
| NA                            | ATM | CTX |     |     |     |     |     |     |     | 1          | 3 Antibiotics            |
| CIP                           | NA  | FEP |     |     |     |     |     |     |     | 1          | 3 Antibiotics            |
| STX                           | NA  | FEP |     |     |     |     |     |     |     | 1          | 3 Antibiotics            |
| STX                           | NA  | AMC |     |     |     |     |     |     |     | 1          | 3 Antibiotics            |
| LEV                           | CIP | NA  |     |     |     |     |     |     |     | 1          | 3 Antibiotics            |
| NA                            | SAM | AMC |     |     |     |     |     |     |     | 1          | 3 Antibiotics            |
| STX                           | NA  |     |     |     |     |     |     |     |     | 9          | 2 Antibiotics            |
| CIP                           | NA  |     |     |     |     |     |     |     |     | 4          | 2 Antibiotics            |
| STX                           | FEP |     |     |     |     |     |     |     |     | 1          | 2 Antibiotics            |
| NA                            | CN  |     |     |     |     |     |     |     |     | 1          | 2 Antibiotics            |
| LEV                           | CIP |     |     |     |     |     |     |     |     | 1          | 2 Antibiotics            |
| NA                            | SAM |     |     |     |     |     |     |     |     | 1          | 2 Antibiotics            |
| STX                           | FF  |     |     |     |     |     |     |     |     | 1          | 2 Antibiotics            |
| NA                            |     |     |     |     |     |     |     |     |     | 6          | 1 Antibiotics            |
| SAM                           |     |     |     |     |     |     |     |     |     | 5          | 1 Antibiotics            |
| STX                           |     |     |     |     |     |     |     |     |     | 3          | 1 Antibiotics            |
| FEP                           |     |     |     |     |     |     |     |     |     | 3          | 1 Antibiotics            |
| CZ                            |     |     |     |     |     |     |     |     |     | 1          | 1 Antibiotics            |

|   |    |               |
|---|----|---------------|
| AMC   | 1  | 1 Antibiotics |
| Sensitive to all antimicrobials   | 26 | 0 Antibiotics |
| Antibiotic resistance patterns in <i>Escherichia coli</i> isolated in irrigation water. trimethoprim sulfamethoxazole: STX, levofloxacin: LEV, ciprofloxacin: CIP, nalidixic acid: NA, ampicillin sulbactam: SAM, ceftazidime: CAZ, cefepime: FEP, amoxicillin-clavulanic acid: AMC, cefoxitin: FOX, aztreonam: ATM, cefotaxime: CTX, cefazolin: CZ, meropenem: MEM, imipenem: IMP, Fosfomycin: FF, amikacin: AK, gentamicin: CN. |    |               |