| Strain | Acquired β-lactamase | Mulvey type‡ | -118 | -88 | -82 | -73 | -42 | -32 | -28 | -18 | -16 | -15 | -13 | -11 | -1 | 6 | 17 | 22 | 24 | 31 | 33 | 34 | 35 | 37 | 58 | 63 | 70 | 81 | cAmpC | E-test | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *E.coli* K12 | | | T | C | A | C | C | T | G | G | – | – | – | C | C | C | C | C | C | C | G | G | C | G | C | T | C | G | Hyperproduction† | MIC cfxt (mg/L) | MIC cftx (mg/L) | MIC cftz (mg/L) |
| AmpC2013-A* | none | 23 | | | | T | | A | | | | | | | | | | | | | | | | | | | | A | Yes (19-fold) | 32 | 0,75 | 1,5 |
| AmpC2013-B | none | n/a | | | | | | | | | | | | | | | | | | | | | | | | | | | n/a | 24 | 0,75 | 1,5 |
| AmpC2013-C* | none | 8 | | | | T | | | | | | | T | | | T | | | | A | | | | | | | | A | Yes (24-fold) | 128 | 3 | 2 |
| AmpC2013-D | none | 3 | | T | G | | T | | | A | | | | | T | | | | | | | | | | T | | | | Yes (22-fold) | 32 | 1,5 | 3 |
| AmpC2013-E | none | unknown | | | | T | | | | | | G | | | | | | | | | | | | | T | C | | A | Yes (16-fold) | 48 | 1 | 1,5 |
| AmpC2013-F | none | unknown | | | | T | | | | | | G | | | | | | | | | | | | | T | C | | A | Yes (16-fold) | 32 | 1 | 1,5 |
| AmpC2013-G* | none | 3 | | T | G | | T | | | A | | | | | T | | | | | | | | | | T | | | | Yes (22-fold) | 96 | 3 | 6 |
| AmpC2013-H | none | unknown | | T | G | | T | | | A | | | | | T | | | A | | | | | | | T | | | | Yes (≈60-140-fold) | 96 | 4 | 4 |
| AmpC2013-I* | TEM wt | 3 | | T | G | | T | | | A | | | | | T | | | | | | | | | | T | | | | Yes (22-fold) | 32 | 12 | 32 |
| AmpC2013-J | none | 3 | | T | G | | T | | | A | | | | | T | | | | | | | | | | T | | | | Yes (22-fold) | 24 | 1,5 | 2 |
| AmpC2013-K* | TEM wt | unknown | A | | | T | | | A | | | G | | | | | | | | | | | | | | | | A | Yes (16-fold) | 64 | 1,5 | 2 |
| AmpC2013-L* | none | 2 | | | | T | | A | | | | | | | | | | | | | | | | | T | C | | A | Yes (10-fold) | 24 | 0,75 | 1 |
| AmpC2013-M | CMY-2 | 11 | | | | | | | | | | | | | | | | | | | | | | | | | T | | No | ≥256 | 16 | 24 |
| AmpC2013-N | CMY-2 | 12 | | | | T | | | | | | | | | | | | | | | | | | | T | C | | A | No | 48 | 6 | 6 |
| AmpC2013-O* | CMY-2 + TEM wt | 12 | | | | T | | | | | | | | | | | | | | | | | | | T | C | | A | No | 96 | 8 | 12 |
| AmpC2013-P* | CMY-2 + TEM wt | 12 | | | | T | | | | | | | | | | | | | | | | | | | T | C | | A | No | 96 | 8 | 12 |
| AmpC2013-Q | CMY-2 | 11 | | | | | | | | | | | | | | | | | | | | | | | | | T | | No | 96 | 6 | 6 |
| AmpC2013-R | CMY-2 + TEM wt | 7 | | | | T | | | A | | | | | | | | T | | | | | | | | | | | A | No | 192 | 12 | 32 |
| AmpC2013-S* | CMY-2 | unknown | A | | | T | | | | | | | | | | | | | | | | | | | | | | A | No | 96 | 8 | 16 |
| AmpC2014-A | none | unknown | | | | T | | A | A | | | | | | | | | | | | | | | | | | | A | Yes (8-fold) | 24 | 0,75 | 1 |
| AmpC2014-B | none | unknown | | | | T | | A | | | | | | | | | | | | | | | | | T | C | | | Yes (8-fold) | 16 | 0,75 | 1 |
| AmpC2014-C | none | unknown | | | | | | | | | | | | T | | | | | | | | del | | | | | T | | Yes ((≈21-68 fold) | 48 | 1,5 | 1,5 |
| AmpC2014-D | none | 3 | | T | G | | T | | | A | | | | | T | | | | | | | | | | T | | | | Yes (22-fold) | 12 | 1,5 | 2 |
| AmpC2014-E* | none | 3 | | T | G | | T | | | A | | | | | T | | | | | | | | | | T | | | | Yes (22-fold) | 12 | 0,75 | 2 |
| AmpC2014-F* | none | 3 | | T | G | | T | | | A | | | | | T | | | | | | | | | | T | | | | Yes (22-fold) | 12 | 0,5 | 2 |
| AmpC2014-G* | none | 3 | | T | G | | T | | | A | | | | | T | | | | | | | | | | T | | | | Yes (22-fold) | 16 | 2 | 2 |
| AmpC2014-H | none | 3 | | T | G | | T | | | A | | | | | T | | | | | | | | | | T | | | | Yes (22-fold) | 48 | 3 | 4 |
| AmpC2014-I | none | unknown | | | | | | | | | C | | | | | | | | | G | | | | | | | T | | Yes ((≈16-64 fold) | 64 | 2 | 3 |
| AmpC2014-J | none | 8 | | | | T | | | | | | | T | | | T | | | | A | | | | | | | | A | Yes (24-fold) | 24 | 0,75 | 1 |
| AmpC2014-K | CMY-2 + TEM wt | 11 | | | | | | | | | | | | | | | | | | | | | | | | | T | | No | 24 | 32 | 32 |
| AmpC2014-L | CMY-2 | 11 | A | | | T | | | A | | | | | | | | | | | | | | | | | | | A | No | 96 | 12 | 24 |
| AmpC2014-M | CMY-2 | 11 | | | | | | | | | | | | | | | | | | | | | | | | | T | | No | ≥256 | 32 | 48 |
| AmpC2014-N | CMY-2+CTX-M-1-15 | wildtype | | | | | | | | | | | | | | | | | | | | | | | | | | | No | 192 | ≥32 | 48 |
| AmpC2014-O* | CMY-2 | 52 | | | | | | | | | | | | | | | | | | | | | | | | | T | | No | 128 | 8 | 24 |
| AmpC2014-P* | CMY-2 | 11 | | | | | | | | | | | | | | | | | | | | | | | | | T | | No | ≥256 | ≥32 | 48 |
| AmpC2015-A | neg | unknown | | | | T | | | | | | G | | | | | | | | | | | | | | | | A | Yes (16-fold) | 32 | 1 | 2 |
| AmpC2015-B | neg | unknown | | | | T | | | | | | | T | | | | | | | | A | | | | T | C | | A | Yes (24-fold) | 32 | 1 | 1 |
| AmpC2015-C | neg | 3 | | T | G | | T | | | A | | | | | T | | | | | | | | | | T | | | | Yes (22-fold) | 64 | 1,5 | 3 |
| AmpC2015-D | neg | 3 | | T | G | | T | | | A | | | | | T | | | | | | | | | | T | | | | Yes (22-fold) | 32 | 2 | 4 |
| AmpC2015-E | neg | 3 | | T | G | | T | | | A | | | | | T | | | | | | | | | | T | | | | Yes (22-fold) | 16 | ≥32 | 8 |
| AmpC2015-F | CMY-2 | WT | | | | | | | | | | | | | | | | | | | | | | | | | | | No | 128 | 8 | 24 |
| AmpC2015-G | CMY-2 | WT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AmpC2015-H | neg | 3 | | T | G | | T | | | A | | | | | T | | | | | | | | | | T | | | | Yes (22-fold) | ≥256 | 4 | 6 |
| AmpC2015-I | neg | 23 | | | | T | | A | | | | | | | | | | | | | | | A | | | | | | Yes (19-fold) | 48 | 2 | 2 |
| AmpC2016-A | CMY-2 | 12 | | | | T | | | | | | | | | | | | | | | | | | | T | C | | A | No | ≥256 | ≥32 | 128 |
| AmpC2016-B | CMY-2 + TEM wt | 18 | | T | G | | | | | A | | | | | T | | | | | | | | | | T | | | | No | ≥256 | ≥32 | 48 |
| AmpC2016-C | CMY-2 + TEM wt | 11 | | | | | | | | | | | | | | | | | | | | | | | | | T | | No | ≥256 | ≥32 | 48 |
| AmpC2016-D | DHA | unknown | | | | | | | | | | | | | | | | | | | | | | T | | | T | | No | 256 | 24 | 24 |
| AmpC2016-E | neg | unknown | | | | T | | | | | | G | | | | | | | | | | | | | | | | A | Yes (16-fold) | 24 | 1 | 16 |
| AmpC2016-F | neg | 3 | | T | G | | T | | | A | | | | | T | | | | | | | | | | T | | | | Yes (22-fold) | 24 | 0,75 | 1 |
| | | | | | | | ↓ | -35 box | | ↓ | | | | -10 box | | | | attenuator | | | | | | | | | | | | | |
| | | | | | | | displaced -35 box | | | displaced -10 box | | | | | | | | | | | | | | | | | | | | | | | |

Position number as described by Mulvey et al[17]. Positions -42 and -18 are involved in de displaced promoter box, positions -32 and -11 are the wild type promoter boxes. Positions -16, -15 and -13 contain insertions in the spacer region of the promoter. The attenuator region is located between position 17 and position 37.

*Amplification Fragment Length Polymorphism (AFLP) technique performed by the VU Amsterdam

‡ As defined by Mulvey et al. (2005). The reader should refer to Table 3 of the given reference to see a complete characterization of each promoter type.

† Delta–delta cycle threshold, interpreted as fold-expression as defined by Tracz et al. (2007 [16])