|  | | | Dataset Names | **Yamaji 1999** | **Yamaji 2016** | **Addams- Sapper** | **Kallonen BSAC** | **Kallonen CUH** | **Wurster** | **Manara** | **Galloway** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ANTIBIOTIC CLASSIFICATION** | | | References | Yamaji et al. 2018 | Yamaji et al. 2018 | Adams-Sapper et al. 2013 | Kallonen et al. 2017 | Kallonen et al. 2017 | Wurster et al. 2018 | Manara et al. 2018 | Galloway-Peña et al. 2009 |
| Pathogen | *E. coli* | *E. coli* | *E. coli* | *E. coli* | *E. coli* | *S. aureus* | *S. aureus* | *E. faecium* |
| Number of isolates | 225 | 233 | 246 | 1094 | 415 | 262 | 184 | 53 |
| PMID | 29436416 | 29436416 | 23147723 | 28720578 | 28720578 | 30521630 | 30424799 | 19821720 |
| **BETA- LACTAMS** | PENICILLIN | | Amoxicillin |  |  |  | X |  |  |  |  |
| Ampicillin | X | X |  |  | X |  |  | X |
| Oxacillin |  |  |  |  |  | X | X |  |
| Penicillin |  |  |  |  |  | X | X |  |
| CEPHALOSPORINS | 1st | Cefalotin |  |  |  |  | X |  |  |  |
| Cephalosporins-BS |  |  | X |  |  |  |  |  |
| 2nd | Cefoxitin |  |  |  |  | X |  |  |  |
| Cefuroxime |  |  |  | X | X |  |  |  |
| Cefuroxime axetil |  |  |  |  | X |  |  |  |
| 3rd | Cefotaxime |  |  |  | X | X |  |  |  |
| Ceftazidime |  |  |  | X | X |  |  |  |
| 4th | Cefepime |  |  | X |  | X |  |  |  |
| MONOBACTAMS | | Aztreonam |  |  | X |  | X |  |  |  |
| CARBAPENEMS | | Carbapenem |  |  | X |  |  |  |  |  |
| Ertapenem |  |  |  |  | X |  |  |  |
| Imipenem |  |  |  | X |  |  |  |  |
| Meropenem |  |  |  |  | X |  |  |  |
| **DNA TOPOISOMERASES** | QUINOLONES | | Ciprofloxacin | X | X |  | X | X |  |  |  |
| Fluoroquinolones |  |  | X |  |  |  |  |  |
| Levofloxacin |  |  |  |  |  | X | X |  |
| **PROTEIN SYNTHESIS** | AMINOGLYCOSIDES | | Amikacin |  |  |  |  | X |  |  |  |
| Gentamicin |  |  |  | X | X | X | X | X |
| Streptomycin |  |  |  |  |  |  |  | X |
| Tobramycin |  |  |  |  | X |  |  |  |
| OXAZOLIDINONES | | Linezolid |  |  |  |  |  | X | X |  |
| LINCOSAMIDES | | Clindamycin |  |  |  |  |  | X | X |  |
| MACROLIDES | | Erythromycin |  |  |  |  |  | X |  |  |
| TETRACYCLINES | 1st | Tetracycline |  |  |  |  |  | X | X |  |
| 3rd | Tigecycline |  |  |  | X | X |  | X |  |
| **COMBINATION** | PENICILLIN COMBINATIONS | | Amoxicillin-Clavulanic acid |  |  |  | X | X |  |  |  |
| Piperacillin-Tazobactam |  |  |  | X | X |  |  |  |
| SULFONAMIDES COMBINATIONS | | Trimethoprim-Sulfamethoxazole | X | X | X |  | X | X | X |  |
| **OTHERS** | LIPOPEPTIDES | | Daptomycin |  |  |  |  |  |  | X |  |
| FUSIDANE | | Fusidic acid |  |  |  |  |  |  | X |  |
| RIFAMYCINS | | Rifampicin |  |  |  |  |  |  | X |  |
| DIAMINOPYRIMIDINES | | Trimethoprim |  |  |  |  | X |  |  |  |
| GLYCOPEPTIDE | | Teicoplanin |  |  |  |  |  |  | X |  |
| Vancomycin |  |  |  |  |  | X | X | X |