16S rRNA methyltransferase (G1405) rmtBrmtC-AAC(3)AAC(3)-IIa -AAC(3)-IIc AAC(6') AAC(6')-lb-cr-ANT(2") ANT(2'')-laaadAaadA12 aadA17 ANT(3") aadA2 aadA25 aadA5 -APH(3'') APH(3') APH(3'')-lb-APH(3')-la-APH(6) APH(6)-ld-Escherichia coli soxR with mutation conferring antibiotic resistance*-Escherichia coli soxS with mutation conferring antibiotic resistance*-Pseudomonas aeruginosa soxR*-ATP-binding cassette (ABC) antibiotic msbAefflux pump msrEpatA tolC* yojl Bleomycin resistant protein determinant of bleomycin resistance-CMY-2 -CMY-4 -CMY beta-lactamase CMY-42 CMY-6 CTX-M-115-CTX-M-14 CTX-M-15 - CTX-M-27 - CTX-M-3 -CTX-M beta-lactamase CTX-M-55 Erng 23 Ergipes etterla RNA methyltransferase ErmB-Escherichia coli soxS with mutation conferring antibiotic resistance* permeability to beta-lactams marA* Escherichia coli GlpT with mutation conferring resistance to fosfomycin - LEN-9 - NDM-1 - NDM-1 LEN beta-lactamase NDM beta-lactamase NDM-5 OXA-1 OXA beta-lactamase Penicillin-binding protein mutations OXA-181 -OXA-2-PDC-5 conferring cesistanaet tombete lactam antibiotics Haemophilus influenzae PBP3 conferring resistance to beta-lactam antibiotics -Escherichia coli PtsI with mutation conferring resistance to fosfomycin -SHV-1 -PtsI phosphotransferase SHV beta-lactamase TEM-1-TEM-141-TEM-166-TEM beta-lactamase TEM-168 TEM-30 TEM-76 TEM-81 UhpT Escherichia coli UhpT with mutation conferring resistance to fosfomycinampC-type beta-lactamase Escherichia coli ampC antibiotic resistant nfsA Escherichia coli nfsA mutations conferring resistance to nitrofurantoinchloramphenicol acetyltransferase (CAT) catB3cya adenylate cyclase elfamycin resistant EF-Tu Escherichia coli CyaA with mutation conferring resistance to fosfomycin-Escherichia coli EF-Tu mutants conferring resistance to Pulvomycin-Escherichia coli gyrA conferring resistance to fluoroquinolones-Morganella morganii gyrB conferring resistance to fluoroquinolone*-Escherichia coli parC conferring resistance to fluoroquinolone*fluoroquinolone resistant gyrA fluoroquinolone resistant gyrB fluoroquinolone resistant parC fluoroquinolone self resistant parC glycopeptide resistance gene cluster kdpDE vanHA* kdpElincosamide nucleotidyltransferase (LNU) linGmacrolide phosphotransferase (MPH) mphD-Escherichia coli mdfA-Escherichia coli soxR with mutation conferring antibiotic resistance* Escherichia coli soxS with mutation conferring antibiotic resistance* H-NS* Pseudomonas aeruginosa soxR* bcr-1 cmlA6emrAemrB emrD emrK major facilitator superfamily (MFS) antibiotic efflux pump evgA*evgS* floRmdtGmdtH mdtMmdtNmdtOmdtPmefBtet(D) tetŔ multidrug and toxic compound extrusion (MATE) transporter PmpMbasS eptApmr phosphoethanolamine transferase pmrF-QnrB10 quinolone resistance protein (qnr) QnrB19 CRP-Escherichia coli acrA Escherichia coli acrR with mutation conferring multidrug antibiotic resistance -Escherichia coli marR mutant conferring antibiotic resistance -Escherichia coli soxR with mutation conferring antibiotic resistance* -Escherichia coli soxo with mutation conferring antibiotic resistance* -H-NS*-Klebsiella pneumoniae acrA MexD MexF MuxB OpmH-ÖprN Pseudomonas aeruginosa soxR* TriC acrBresistance-nodulation-cell division acrS-(RND) antibiotic efflux pump adeJ cpxA evgA*evgS* gadW marA* mdtAmdtBmdtC mdtE mdtFmexl mexJ mexK mexNmexW mexX opmDsmall multidrug resistance (SMR) Escherichia coli emrEantibiotic efflux pump streptothricin acetyltransferase (SAT) SAT-1sul1 sulfonamide resistant sul sul2tetracycline-resistant ribosomal tet(W/N/W) protection protein tetM dfrA1 dfrA12 dfrA14 trimethoprim resistant dihydrofolate dfrA15 reductase dfr dfrA17 dfrA5 dfrA7 undecaprenyl pyrophosphate related proteins vanH