

Center for Genomic Epidemiology

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ResFinder-4.1 Server - Results

Input Files: *scaffolds.fasta*

escherichia coli complete

Antimicrobial	Class	WGS-predicted phenotype	Genetic background
amikacin	aminoglycoside	No resistance	
tigecycline	tetracycline	No resistance	
tobramycin	aminoglycoside	No resistance	
cefepime	beta-lactam	Resistant	blaCTX-M-15 (blaCTX-M-15_AY044436)
chloramphenicol	amphenicol	No resistance	
piperacillin+tazobactam	beta-lactam	No resistance	
cefoxitin	beta-lactam	No resistance	
ampicillin	beta-lactam	Resistant	blaCTX-M-15 (blaCTX-M-15_AY044436), blaTEM-1B (blaTEM-1B_AY458016)
ampicillin+clavulanic acid	beta-lactam	No resistance	
cefotaxime	beta-lactam	Resistant	blaCTX-M-15 (blaCTX-M-15_AY044436)
ciprofloxacin	quinolone	No resistance	
colistin	polymyxin	No resistance	
sulfamethoxazole	folate pathway antagonist	No resistance	
imipenem	beta-lactam	No resistance	
trimethoprim	folate pathway antagonist	No resistance	
nalidixic acid	quinolone	No resistance	
ertapenem	beta-lactam	No resistance	
tetracycline	tetracycline	No resistance	
fosfomycin	fosfomycin	No resistance	
ceftazidime	beta-lactam	Resistant	blaCTX-M-15 (blaCTX-M-15_AY044436)
temocillin	beta-lactam	No resistance	
gentamicin	aminoglycoside	No resistance	
meropenem	beta-lactam	No resistance	
azithromycin	macrolide	No resistance	
Antimicrobial	Class	WGS-predicted phenotype	Genetic background
vancomycin	glycopeptide	No resistance	
mupirocin	pseudomonic acid	No resistance	
tobramycin	aminoglycoside	No resistance	
virginiamycin m	streptogramin a	No resistance	

Antimicrobial	Class	WGS-predicted phenotype	Genetic background
isepamicin	aminoglycoside	No resistance	
virginiamycin s	streptogramin b	No resistance	
hydrogen peroxide	peroxide	No resistance	
butirosin	aminoglycoside	No resistance	
ampicillin	beta-lactam	Resistant	blaCTX-M-15 (blaCTX-M-15_AY044436), blaTEM-1B (blaTEM-1B_AY458016)
astromicin	aminoglycoside	No resistance	
lividomycin	aminoglycoside	No resistance	
sulfamethoxazole	folate pathway antagonist	No resistance	
temocillin	beta-lactam	No resistance	
trimethoprim	folate pathway antagonist	No resistance	
oleandomycin	macrolide	No resistance	
florfenicol	amphenicol	No resistance	
fluoroquinolone	quinolone	No resistance	
quinupristin	streptogramin b	No resistance	
fosfomycin	fosfomycin	No resistance	
cephalothin	beta-lactam	Resistant	blaTEM-1B (blaTEM-1B_AY458016)
lincomycin	lincosamide	No resistance	
butiromycin	aminoglycoside	No resistance	
quinupristin+dalfopristin	streptogramin a	No resistance	
paromomycin	aminoglycoside	No resistance	
clindamycin	lincosamide	No resistance	
amoxicillin+clavulanic acid	beta-lactam	No resistance	
gentamicin	aminoglycoside	No resistance	
tiamulin	pleuromutilin	No resistance	
ceftiofur	under_development	No resistance	
erythromycin	macrolide	No resistance	
kanamycin	aminoglycoside	No resistance	
teicoplanin	glycopeptide	No resistance	
amikacin	aminoglycoside	No resistance	
tigecycline	tetracycline	No resistance	
ticarcillin+clavulanic acid	beta-lactam	No resistance	
cephalotin	beta-lactam	No resistance	
cefoxitin	beta-lactam	No resistance	
hygromycin	aminoglycoside	No resistance	
penicillin	beta-lactam	No resistance	
neomycin	aminoglycoside	No resistance	
ribostamycin	aminoglycoside	No resistance	
dalfopristin	streptogramin a	No resistance	
piperacillin	beta-lactam	Resistant	blaCTX-M-15 (blaCTX-M-15_AY044436), blaTEM-1B (blaTEM-1B_AY458016)
telithromycin	macrolide	No resistance	

Antimicrobial	Class	WGS-predicted phenotype	Genetic background
unknown quinolone	quinolone	No resistance	
amoxicillin	beta-lactam	Resistant	blaCTX-M-15 (blaCTX-M-15_AY044436), blaTEM-1B (blaTEM-1B_AY458016)
meropenem	beta-lactam	No resistance	
ethidium bromide	quaternary ammonium compound	No resistance	
sisomicin	aminoglycoside	No resistance	
unknown aminoglycoside	aminoglycoside	No resistance	
cefepime	beta-lactam	Resistant	blaCTX-M-15 (blaCTX-M-15_AY044436)
spectinomycin	aminocyclitol	No resistance	
doxycycline	tetracycline	No resistance	
piperacillin+tazobactam	beta-lactam	No resistance	
fusidic acid	steroid antibacterial	No resistance	
ciprofloxacin	quinolone	No resistance	
colistin	polymyxin	No resistance	
temperature	heat	No resistance	
imipenem	beta-lactam	No resistance	
arbakacin	aminoglycoside	No resistance	
nalidixic acid	quinolone	No resistance	
metronidazole	nitroimidazole	No resistance	
cefixime	beta-lactam	No resistance	
bleomycin	aminoglycoside	No resistance	
pristinamycin ia	streptogramin b	No resistance	
formaldehyde	aldehyde	No resistance	
tylosin	macrolide	No resistance	
benzylkonium chloride	quaternary ammonium compound	No resistance	
cefotaxime+clavulanic acid	beta-lactam	No resistance	
rifampicin	rifamycin	No resistance	
ceftriaxone	beta-lactam	Resistant	blaCTX-M-15 (blaCTX-M-15_AY044436)
ceftazidime	beta-lactam	Resistant	blaCTX-M-15 (blaCTX-M-15_AY044436)
fortimicin	aminoglycoside	No resistance	
carbomycin	macrolide	No resistance	
ticarcillin	beta-lactam	Resistant	blaCTX-M-15 (blaCTX-M-15_AY044436), blaTEM-1B (blaTEM-1B_AY458016)
azithromycin	macrolide	No resistance	
chlorhexidine	quaternary ammonium compound	No resistance	
kasugamycin	aminoglycoside	No resistance	
chloramphenicol	amphenicol	No resistance	
cetylpyridinium chloride	quaternary ammonium compound	No resistance	
ampicillin+clavulanic acid	beta-lactam	No resistance	

Download phenotype table (txt) Download species specific phenotype table (txt)

Download acquired AMR gene results:

Selected %ID threshold for ResFinder: 90 %

Selected minimum length for ResFinder: 60 %

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Support

Scientific problems

Technical problems

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