Center for Genomic Epidemiology

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ResFinder-4.1 Server - Results

Input Files: scaffolds.fasta

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

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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	2.22				

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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					
arbekacin	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					

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Antimicrobial	Class	WGS-predicted phenotype	Genetic background
cefotaxime	beta-lactam	Resistant	blaCTX-M-15 (blaCTX-M-15_AY044436)
piperacillin+clavulanic acid	beta-lactam	No resistance	
ceftazidime+avibactam	beta-lactam	No resistance	
apramycin	aminoglycoside	No resistance	
spiramycin	macrolide	No resistance	
dibekacin	aminoglycoside	No resistance	
ertapenem	beta-lactam	No resistance	
tetracycline	tetracycline	No resistance	
linezolid	oxazolidinone	No resistance	
netilmicin	aminoglycoside	No resistance	
minocycline	tetracycline	No resistance	
aztreonam	beta-lactam	Resistant	blaCTX-M-15 (blaCTX-M-15_AY044436)
unknown beta-lactam	beta-lactam	No resistance	
pristinamycin iia	streptogramin a	No resistance	
streptomycin	aminoglycoside	No resistance	

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

Beta-lactam

Resistance gene	Identity	Alignment Length/Gene Length	Position in reference	Contig or Depth	Position in contig	Phenotype	PMID	Accession no.	Notes
blaTEM-1B	100.0	861/861	1861	NODE_8_length _101486_cov_71 .819010	8529686156	amoxicillin,ampici llin,cephalothin,pi peracillin,ticarcilli n	15388431	AY458016	Class A
blaCTX-M-15	100.0	876/876	1876	NODE_8_length _101486_cov_71 819010	8159982474	amoxicillin,ampici llin,aztreonam,ce fepime,cefotaxim e,ceftazidime,ceft riaxone,piperacilli n,ticarcillin	11470367, 26169409	<u>AY044436</u>	Class A

Download acquired AMR gene results:

Results as text Hit in genome sequences Resistance gene sequences Results as tabseperated file

Selected %ID threshold for ResFinder: 90 %Selected minimum length for ResFinder: 60 %

extended output

Support

Scientific problems

Technical problems

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