Center for Genomic Epidemiology

ResFinder-4.1 Server - Results

Input Files: *ecoli_55989.fasta*

Warning:
One or more resistance genes have unknown phenotypes. The species specific summary table does not take this into account.

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	No resistance	
chloramphenicol	phenicol	No resistance	
piperacillin+tazobactam	beta-lactam	No resistance	
cefoxitin	beta-lactam	No resistance	
ampicillin	beta-lactam	No resistance	
ampicillin+clavulanic acid	beta-lactam	No resistance	
cefotaxime	beta-lactam	No resistance	
ciprofloxacin	fluoroquinolone	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	fluoroquinolone	No resistance	
ertapenem	beta-lactam	No resistance	
tetracycline	tetracycline	Resistant	tet(B) (tet(B)_AF326777)
fosfomycin	fosfomycin	No resistance	
ceftazidime	beta-lactam	No resistance	
temocillin	beta-lactam	No resistance	
gentamicin	aminoglycoside	No resistance	
meropenem	beta-lactam	No resistance	
azithromycin	macrolide	No resistance	

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

Fluoroquinolone

Resistance gene	Identity	Alignment Length/Gene Length	Position in reference	Contig or Depth	Position in contig	Phenotype	PMID	Accession no.	
mdf(A)	98.4590429846	1233/1233	1..1233	NC_011748.1 Escherichia coli 55989, complete genome	945048..946280	unknown macrolide,unknown aminoglycoside,unknown tetracycline,unknown fluoroquinolone,unknown phenicol,unknown rifamycin	9079913	Y08743	Mdf(A) s s i Ery Tet Ri Ka Chlo and C but i whi res

Aminoglycoside

Resistance gene	Identity	Alignment Length/Gene Length	Position in reference	Contig or Depth	Position in contig	Phenotype	PMID	Accession no.	
mdf(A)	98.4590429846	1233/1233	1..1233	NC_011748.1 Escherichia coli 55989, complete genome	945048..946280	unknown macrolide,unknown aminoglycoside,u	9079913	Y08743	Mdf(A s s i

Aminoglycoside

					nknown tetracycline,unknown fluoroquinolone,unknown phenicol,unknown rifamycin			Ery Tet Ri Ka Chlor and (but i whi res

Rifamycin

Resistance gene	Identity	Alignment Length/Gene Length	Position in reference	Contig or Depth	Position in contig	Phenotype	PMID	Accession no.	
mdf(A)	98.4590429846	1233/1233	1..1233	NC_011748.1 Escherichia coli 55989, complete genome	945048..946280	unknown macrolide,unknown aminoglycoside,unknown tetracycline,unknown fluoroquinolone,unknown phenicol,unknown rifamycin	9079913	[Y08743](#)	Mdf(/ s s i Ery Tet Ri Ka Chlor and (but i whi res

Macrolide

Resistance gene	Identity	Alignment Length/Gene Length	Position in reference	Contig or Depth	Position in contig	Phenotype	PMID	Accession no.	
mdf(A)	98.4590429846	1233/1233	1..1233	NC_011748.1 Escherichia coli 55989, complete genome	945048..946280	unknown macrolide,unknown aminoglycoside,unknown tetracycline,unknown fluoroquinolone,unknown phenicol,unknown rifamycin	9079913	[Y08743](#)	Mdf(/ s s i Ery Tet Ri Ka Chlor and (but i whi res

Tetracycline

Resistance gene	Identity	Alignment Length/Gene Length	Position in reference	Contig or Depth	Position in contig	Phenotype	PMID	Accession no.	
mdf(A)	98.4590429846	1233/1233	1..1233	NC_011748.1 Escherichia coli 55989, complete genome	945048..946280	unknown macrolide,unknown aminoglycoside,unknown tetracycline,unknown fluoroquinolone,unknown phenicol,unknown rifamycin	9079913	[Y08743](#)	Mdf(/ s s i Ery Tet Ri Ka Chlor and (but i whi res
tet(B)	100.0	1206/1206	1..1206	NC_011748.1 Escherichia coli 55989, complete genome	4974055..4975260	doxycycline,tetracycline,minocycline	11553538	[AF326777](#)	

Phenicol

Resistance gene	Identity	Alignment Length/Gene Length	Position in reference	Contig or Depth	Position in contig	Phenotype	PMID	Accession no.	
mdf(A)	98.4590429846	1233/1233	1..1233	NC_011748.1 Escherichia coli 55989, complete genome	945048..946280	unknown macrolide,unknown aminoglycoside,unknown tetracycline,unknown fluoroquinolone,unknown phenicol,unknown rifamycin	9079913	[Y08743](#)	Mdf(/ s s i Ery Tet Ri Ka Chlor and (but i

Phenicol

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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 %*

Support   Scientific problems   Technical problems