

Center for Genomic Epidemiology

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ResFinder-4.1 Server - Results

Input Files: *unknown_sample.fasta.txt*

Warning:

One or more resistance genes does not exist in the phenotype database. The Summary table does not take this into account.

salmonella		complete	
Antimicrobial	Class	WGS-predicted phenotype	Genetic background
amikacin	aminoglycoside	Resistant	aac(6')-laa (aac(6')-laa_NC_003197)
tigecycline	tetracycline	No resistance	
tobramycin	aminoglycoside	Resistant	aac(6')-laa (aac(6')-laa_NC_003197)
cefepime	beta-lactam	No resistance	
chloramphenicol	phenicol	Resistant	floR (floR_AF118107)
cefoxitin	beta-lactam	No resistance	
ampicillin	beta-lactam	Resistant	blaCARB-2 (blaCARB-2_M69058)
ampicillin+clavulanic acid	beta-lactam	No resistance	
cefotaxime	beta-lactam	No resistance	
ciprofloxacin	fluoroquinolone	No resistance	
colistin	polymyxin	No resistance	
sulfamethoxazole	folate pathway antagonist	Resistant	sul1 (sul1_EU780013), sul1 (sul1_U12338)
imipenem	beta-lactam	No resistance	

Antimicrobial	Class	WGS-predicted phenotype	Genetic background
trimethoprim	folate pathway antagonist	No resistance	
nalidixic acid	fluoroquinolone	No resistance	
piperacillin+tazobactam	NA	NA	Not in database
ertapenem	beta-lactam	No resistance	
tetracycline	tetracycline	Resistant	tet(G) (tet(G)_AF133140)
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 \(txt\)](#)

Aminoglycoside

Resistance gene	Identity	Alignment Length/Gene Length	Position in reference	Contig or Depth	Position in contig	Phenotype	PMID	Accession no.	Not
aadA2b	99.8717948718	780/780	1..780	unknown	4111299..4112078	spectinomycin, streptomycin	85862590	D43625	
aac(6')-Iaa	100.0	438/438	1..438	unknown	1687644..1688081	amikacin, tobramycin	11677609	NC_003197	Chromobacterium Cryptic t Salmonella

No class defined

No class defined

Mutation	Nucleotide change	Amino acid change	Phenotype	PMID	Notes
parC:p.S469A	tcc -> gcc	s -> a	Unknown phenotype	-	Phenotype not found in database
parC:p.A620T	gcg -> aca	a -> t	Unknown phenotype	-	Phenotype not found in database
acrB:p.F28L	ttc -> ctc	f -> l	Unknown phenotype	-	Phenotype not found in database
16S_rrsD;;16S_rrsD;;uekh;;16S_rrsD;;vwpd;;16S_rrsD;;fhde;;16S_rrsD;;vywi;;16S_rrsD;;egof;;16S_rrsD;;haoi:g.249T>A	t -> a	-	Unknown phenotype	-	Phenotype not found in database
acrB:p.L40P	cta -> cca	l -> p	Unknown phenotype	-	Phenotype not found in database
parC:p.N395S	aac -> agc	n -> s	Unknown phenotype	-	Phenotype not found in database
parC:p.T255S	acc -> tcc	t -> s	Unknown phenotype	-	Phenotype not found in database

Aminocyclitol

Resistance gene	Identity	Alignment Length/Gene Length	Position in reference	Contig or Depth	Position in contig	Phenotype	PMID	Accession no.	Not
aadA2b	99.8717948718	780/780	1..780	unknown	4111299..4112078	spectinomycin, streptomycin	85862590	D43625	

Folate pathway antagonist

Folate pathway antagonist

Resistance gene	Identity	Alignment Length/Gene Length	Position in reference	Contig or Depth	Position in contig	Phenotype	PMID	Accession no.	Not
sul1	100.0	840/840	1..840	unknown	4122043..4122882	sulfamethoxazole	unpublished	U12338	
sul1	99.8201438849	556/867	1..556	unknown	4112556..4113111	sulfamethoxazole	18753343	EU780013	

Tetracycline

Resistance gene	Identity	Alignment Length/Gene Length	Position in reference	Contig or Depth	Position in contig	Phenotype	PMID	Accession no.	Not
tet(G)	100.0	1176/1176	1..1176	unknown	4115922..4117097	doxycycline,tetracycline	10543801	AF133140	

Phenicol

Resistance gene	Identity	Alignment Length/Gene Length	Position in reference	Contig or Depth	Position in contig	Phenotype	PMID	Accession no.	Not
floR	100.0	1215/1215	1..1215	unknown	4113771..4114985	chloramphenicol, florfenicol	10339826	AF118107	MFS trar

Beta-lactam

Resistance gene	Identity	Alignment Length/Gene Length	Position in reference	Contig or Depth	Position in contig	Phenotype	PMID	Accession no.	Not
blaCARB-2	100.0	867/867	1..867	unknown	4120619..4121485	ampicillin, amoxicillin, piperacillin	1804019	M69058	Cla A:Alter name F BlaF

Quaternary ammonium compounds

Resistance gene	Identity	Alignment Length/Gene Length	Position in reference	Contig or Depth	Position in contig	Phenotype	PMID	Accession no.	Not
qacE	100.0	282/333	1..282	unknown	4121702..4121983	benzylkonium chloride,ethidium bromide,chlorhexidine,cetylpyridinium chloride	8494372	X68232	
qacE	100.0	282/333	1..282	unknown	4112242..4112523	benzylkonium chloride,ethidium bromide,chlorhexidine,cetylpyridinium chloride	8494372	X68232	

Detection PointFinder Genes

parE	Gene found without mutations
gyrB	Gene found without mutations
gyrA	Gene found without mutations
pmrB	Gene found without mutations
pmrA	Gene found without mutations
acrB	Gene found without known mutations
parC	Gene found without known mutations
16S_rrsD	Gene found without known mutations

Download acquired AMR gene results:

Download Chromosomal point mutation results:

Results as tabseperated file

Results as a text file

Selected %ID threshold for ResFinder: 90 %

Selected minimum length for ResFinder: 60 %

Selected %ID threshold for PointFinder: 90 %

Selected minimum length for PointFinder: 60 %

extended output

Support

Scientific problems

Technical problems

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