

Supplementary file – 3

Table S3. Antimicrobial resistance and virulence profiles of the isolates under study.

ISOLATE (No)	LOCATION	SPECIES ID	RESISTANCE PROFILE		MAR INDEX	VIRULENCE PROFILE		V. INDEX					
			I	R		LIP	Dnase	BF (h)	GEL	LEC	PT	HEM	
1a	BA	Morganella morganii	AMC 30*	CTX 30, CPT 30, AMP 10*, CN 10, DO 30*, ENR 5	0.57	-	+	48	-	-	-	γ	0.29
5a	BA	E. coli	CTX 30, CPT 30	AMP 10, DO 30	0.18	+	+	-	-	-	-	α	0.43
5b	BA	E. coli	CPT 30	CTX 30, AMP 10, DO 30	0.27	+	-	48	-	-	-	α	0.43
5c	BA	E. coli	CPT 30	CTX 30, AMP 10, DO 30, AMC 30	0.36	+	-	48	-	-	-	α	0.43
5d	BA	E. coli	-	CTX 30, CPT 30, AMP 10, DO 30	0.36	-	+	-	-	-	-	α	0.29
10a	BA	Citrobacter freundii	-	CTX 30, CPT 30, AMP 10*, CN 10, CIP 5, DO 30, ENR 5, AMC 30*	0.67	-	+	24	-	-	-	α	0.43
10b	BA	Citrobacter freundii	DO 30	CTX 30, CPT 30, AMP 10*, CN 10, CIP 5, ENR 5, AMC 30*	0.56	-	+	24	-	-	-	α	0.43
10d	BA	Citrobacter freundii	DO 30	CTX 30, CPT 30, AMP 10*, CN 10, CIP 5, ENR 5, AMC 30*	0.56	+	+	24	-	-	-	α	0.57
13a	BA	E. coli	CIP 5, ENR 5	CTX 30, CPT 30, AMP 10, CN 10, DO 30, AMC 30	0.55	+	-	-	-	-	-	β	0.29
17a	BA	E. coli	-	CTX 30, CPT 30, AMP 10, CIP 5, ENR 5, AMC 30	0.55	+	-	-	-	-	-	α	0.29
24a	BA	E. coli	CIP 5	CTX 30, CPT 30, AMP 10, CN 10, DO 30, ENR 5, AMC 30	0.64	+	-	-	-	-	-	α	0.29
26a	BA	Proteus mirabilis	-	CTX 30, CPT 30, AMP 10, CN 10, F 100*, DO 30*	0.44	+	+	-	+	-	+	γ	0.57
26b	BA	Proteus mirabilis	-	CTX 30, CPT 30, AMP 10, CN 10, F 100*, DO 30*	0.44	+	+	-	+	-	+	γ	0.57

*Intrinsic resistance; positive (+); negative (-); hours (h); cefotaxime (CTX); ceftazidime (CPT); ampicillin (AMP); amoxicillin/clavulanate (AMC); gentamicin (CN); doxycycline (DO); enrofloxacin (ENR); ciprofloxacin (CIP); nitrofurantoin (F); meropenem (MEM); intermediate (I); resistant (R); multiple antimicrobial resistance index (MAR INDEX); virulence index (V. INDEX) lipase (LIP); Deoxyribonuclease (DNase); biofilm (BF); gelatinase (GEL); lecithinase (LEC); protease (PT); haemolysins (HEM); alpha (α); gamma (γ); beta (β).

Table S3. cont.

ISOLATE (No)	LOCATION	SPECIES ID	RESISTANCE PROFILE		MAR INDEX	VIRULENCE PROFILE						V. INDEX	
			I	R		LIP	Dnase	BF (h)	GEL	LEC	PT		HEM
27a	BA	<i>E. coli</i>	ENR 5, AMC 30	CTX 30, CPT 30, AMP 10	0.27	+	-	48	-	-	+	α	0.57
28a	BA	<i>E. coli</i>	AMC 30	CTX 30, CPT 30, AMP 10, DO 30	0.36	+	-	-	-	-	+	γ	0.29
31b	BA	<i>Escherichia vulneris</i>	ENR 5	CTX 30, CPT 30, AMP 10	0.27	+	-	-	-	-	+	γ	0.29
33a.2.	BA	<i>E. coli</i>	ENR 5	CTX 30, CPT 30, AMP 10	0.27	+	-	-	-	-	+	γ	0.29
33b	BA	<i>E. coli</i>	ENR 5	CTX 30, CPT 30, AMP 10	0.27	+	-	-	-	-	+	γ	0.29
37a	BA	<i>Klebsiella pneumoniae</i>	CIP 5	CTX 30, CPT 30, AMP 10*, CN 10, F 100, DO 30, ENR 5, AMC 30	0.70	+	+	-	+	-	-	β	0.57
38a	BA	<i>E. coli</i>	-	CTX 30, CPT 30, AMP 10, ENR 5	0.36	+	-	-	-	-	+	γ	0.29
39c	BA	<i>E. coli</i>	AMC 30	CTX 30, CPT 30, AMP 10, CN 10, DO 30, ENR 5	0.55	+	-	48	-	-	+	α	0.57
39d	BA	<i>Enterobacter cloacae</i>	CIP 5	CTX 30, CPT 30, AMP 10*, ENR 5, AMC 30*	0.33	+	-	48	-	-	-	γ	0.29
44a	BA	<i>E. coli</i>	AMC 30	CTX 30, CPT 30, AMP 10	0.27	+	-	24	+	-	-	α	0.57
46a	BA	<i>E. coli</i>	CIP 5	CTX 30, CPT 30, AMP 10, DO 30, ENR 5	0.45	+	-	-	-	-	-	α	0.29
46c	BA	<i>Escherichia vulneris</i>	ENR 5	CTX 30, CPT 30, AMP 10	0.27	+	-	-	-	-	-	α	0.29
48a	BA	<i>E. coli</i>	CIP 5	CTX 30, CPT 30, AMP 10, ENR 5	0.36	+	-	24	-	-	-	α	0.43
49a	BA	<i>E. coli</i>	CIP 5, AMC 30	CTX 30, CPT 30, AMP 10, ENR 5	0.36	+	-	24	+	-	-	γ	0.43
59a	N	<i>E. coli</i>	DO 30	CTX 30, CPT 30, AMP 10, CIP 5, ENR 5	0.45	+	-	-	-	-	-	α	0.29
66b.1.	N	<i>Klebsiella pneumoniae</i>	CIP 5	CTX 30, CPT 30, AMP 10*, CN 10, F 100, ENR 5, AMC 30	0.60	+	-	24	+	-	-	α	0.57
66b.2.	N	<i>Klebsiella pneumoniae</i>	ENR 5	CTX 30, CPT 30, AMP 10*, CN 10, F 100, CIP 5, AMC 30	0.60	+	-	24	-	-	-	α	0.43

*Intrinsic resistance; positive (+); negative (-); hours (h); cefotaxime (CTX); ceftaroline (CPT); ampicillin (AMP); amoxicillin/clavulanate (AMC); gentamicin (CN); doxycycline (DO); enrofloxacin (ENR); ciprofloxacin (CIP); nitrofurantoin (F); meropenem (MEM); intermediate (I); resistant (R); multiple antimicrobial resistance index (MAR INDEX); virulence index (V. INDEX) lipase (LIP); Deoxyribonuclease (DNase); biofilm (BF); gelatinase (GEL); lecithinase (LEC); protease (PT); haemolysins (HEM); alpha (α); gamma (γ); beta (β).

Table S3. *cont.*

ISOLATE (No)	LOCATION	SPECIES ID	RESISTANCE PROFILE		MAR INDEX	VIRULENCE PROFILE						V. INDEX	
			I	R		LIP	Dnase	BF (h)	GEL	LEC	PT		HEM
66c.1.	N	<i>Klebsiella pneumoniae</i>	-	CTX 30, CPT 30, AMP 10*, CN 10, CIP 5, DO 30, ENR 5, AMC 30	0.70	+	-	24	+	-	-	α	0.57
68b.1.	N	<i>E. coli</i>	ENR 5, AMC 30	CTX 30, CPT 30, AMP 10, CN 10, CIP 5, DO 30	0.55	+	+	24	-	-	-	α	0.57
75a	N	<i>Proteus</i> sp.	DO 30	CTX 30, CPT 30, AMP 10, F 100	0.33	+	-	24	+	-	+	α	0.71
83a	N	<i>E. coli</i>	-	CTX 30, CPT 30, AMP 10, CIP 5, ENR 5	0.45	+	+	24	-	-	-	α	0.57
83c	N	<i>E. coli</i>	-	CTX 30, CPT 30, AMP 10, CIP 5, ENR 5	0.45	+	+	24	-	-	-	α	0.57
86a	N	<i>E. coli</i>	ENR 5	CTX 30, CPT 30, AMP 10, DO 30, AMC 30	0.45	+	+	24	-	-	-	β	0.57
86b	N	<i>E. coli</i>	ENR 5	CTX 30, CPT 30, AMP 10	0.27	+	-	-	-	-	-	α	0.29
88a	N	<i>E. coli</i>	CN 10, CIP 5, ENR 5	CTX 30, CPT 30, AMP 10	0.27	+	+	24	-	-	-	α	0.57
89a.1.	N	<i>E. coli</i>	ENR 5, AMC 30	CTX 30, CPT 30, AMP 10, DO 30	0.36	+	+	72	-	-	-	α	0.57
91a	N	<i>E. coli</i>	-	CTX 30, CPT 30, AMP 10, CIP 5, DO 30, ENR 5, AMC 30	0.64	+	+	-	-	-	-	α	0.43
91b.1.	N	<i>E. coli</i>	-	CTX 30, CPT 30, AMP 10, CIP 5, DO 30, ENR 5, AMC 30	0.64	+	+	48	-	-	-	α	0.57
94a.1.	N	<i>Morganella morganii</i>	-	CTX 30, CPT 30, AMP 10*, CN 10, DO 30*, ENR 5	0.57	+	-	24	+	-	-	β	0.57
94a.3.	N	<i>E. coli</i>	-	CTX 30, CPT 30, AMP 10, CN 10, DO 30, ENR 5	0.55	+	-	24	+	-	-	β	0.57

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Table S3. cont.

ISOLATE (No)	LOCATION	SPECIES ID	RESISTANCE PROFILE		MAR INDEX	VIRULENCE PROFILE						V. INDEX	
			I	R		LIP	Dnase	BF (h)	GEL	LEC	PT		HEM
94a.4.	N	Morganella morganii	-	CTX 30, CPT 30, AMP 10*, CN 10, DO 30*, ENR 5	0.57	+	-	24	-	-	-	β	0.43
94a.5.	N	Morganella morganii	-	CTX 30, CPT 30, AMP 10*, CN 10, DO 30*, ENR 5	0.57	+	-	24	+	-	-	β	0.57
95a.1.	N	E. coli	AMC 30	CTX 30, CPT 30, AMP 10, CIP 5, DO 30, ENR 5	0.55	+	-	-	-	-	-	α	0.29
95b	N	Escherichia vulneris	ENR 5	CTX 30, CPT 30, AMP 10	0.27	+	-	-	-	-	-	α	0.29
95c.1.	N	Proteus mirabilis	-	CTX 30, CPT 30, AMP 10, F 100*, DO 30*	0.33	+	+	-	+	-	+	γ	0.57

*Intrinsic resistance; positive (+); negative (-); hours (h); cefotaxime (CTX); ceftazidime (CPT); ampicillin (AMP); amoxicillin/clavulanate (AMC); gentamicin (CN); doxycycline (DO); enrofloxacin (ENR); ciprofloxacin (CIP); nitrofurantoin (F); meropenem (MEM); intermediate (I); resistant (R); multiple antimicrobial resistance index (MAR INDEX); virulence index (V. INDEX) lipase (LIP); Deoxyribonuclease (DNase); biofilm (BF); gelatinase (GEL); lecithinase (LEC); protease (PT); haemolysins (HEM); alpha (α); gamma (γ); beta (β).

