

Supplementary Data S1.

Table S1. Characteristics of *Acinetobacter* isolates

Isolate Number	Morphological characteristics		Biochemical characteristics							
	Gram stain	Blood agar	Motility	Catalase	Oxidase	Oxidative or Fermentative	TSI		Simmons citrate utilization	Urea
	Morphology						Acid	H ₂ S		
1	Gram –ve coccobacilli	γ- hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
2	Gram –ve coccobacilli	β- hemolysis	Non motile	-ve	-ve	fermentative	-ve	-ve	-ve	-ve
3	Gram –ve coccobacilli	γ- hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
4	Gram –ve coccobacilli	γ- hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
5	Gram –ve coccobacilli	γ- hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
6	Gram –ve coccobacilli	γ- hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
7	Gram –ve coccobacilli	α- hemolysis	Non motile	-ve	-ve	fermentative	-ve	-ve	-ve	-ve
8	Gram –ve coccobacilli	γ- hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
9	Gram –ve	γ- hemolysis	motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve

	coccobacilli									
10	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
11	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
12	Gram –ve bacilli	α - hemolysis	Non motile	-ve	-ve	fermentative	-ve	-ve	-ve	-ve
13	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
14	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
15	Gram –ve bacilli	α - hemolysis	motile	-ve	-ve	fermentative	-ve	-ve	-ve	-ve
16	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
17	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
18	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
19	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
20	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
21	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
22	Gram –ve coccobacilli	α - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
23	Gram –ve	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve

	coccobacilli									
24	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
25	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	fermentative	-ve	-ve	-ve	-ve
26	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
27	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
28	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
29	Gram –ve coccobacilli	β - hemolysis	Non motile	-ve	-ve	fermentative	-ve	-ve	-ve	-ve
30	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
31	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	fermentative	-ve	-ve	-ve	-ve
32	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
33	Gram –ve coccobacilli	β - hemolysis	Non motile	-ve	-ve	fementative	-ve	-ve	-ve	-ve
34	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
35	Gram –ve dipolebacilli	β - hemolysis	Non motile	-ve	-ve	fermentative	-ve	-ve	-ve	-ve
36	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
37	Gram –ve	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve

	coccobacilli									
38	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
39	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
40	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
41	Gram –ve coccobacilli	α - hemolysis	Non motile	-ve	-ve	fermentative	-ve	-ve	-ve	-ve
42	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
43	Gram –ve coccobacilli	α - hemolysis	motile	-ve	-ve	fermentative	-ve	-ve	-ve	-ve
44	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
45	Gram –ve bacilli	α - hemolysis	motile	-ve	-ve	fermentative	-ve	-ve	-ve	-ve
46	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
47	Gram –ve coccobacilli	α - hemolysis	motile	-ve	-ve	fermentative	-ve	-ve	-ve	-ve
48	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
49	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
50	Gram –ve dipolebacilli	β - hemolysis	motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
51	Gram –ve	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve

	coccobacilli									
52	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
53	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
54	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
55	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
56	Gram –ve bacilli	α - hemolysis	Non motile	-ve	-ve	fermentative	-ve	-ve	-ve	-ve
57	Gram –ve Coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
58	Gram –ve coccobacilli	α - hemolysis	Non motile	-ve	-ve	fermentative	-ve	-ve	-ve	-ve
59	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
60	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
61	Gram –ve coccobacilli	β - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
62	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
63	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
64	Gram –ve bacilli	β - hemolysis	motile	-ve	-ve	fermentative	-ve	-ve	-ve	-ve
65	Gram –ve	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve

	coccobacilli									
66	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
67	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
68	Gram –ve bacilli	α - hemolysis	motile	-ve	-ve	fermentative	-ve	-ve	-ve	-ve
69	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
70	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
71	Gram –ve bacilli	α - hemolysis	motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
72	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
73	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
74	Gram –ve bacilli	β - hemolysis	Non motile	-ve	-ve	fermentative	-ve	-ve	-ve	-ve
75	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
76	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
77	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
78	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
79	Gram –ve	α - hemolysis	motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve

	bacilli									
80	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
81	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
82	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
83	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
84	Gram –ve coccobacilli	α - hemolysis	motile	-ve	-ve	fermentative	-ve	-ve	-ve	-ve
85	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
86	Gram –ve coccobacilli	α - hemolysis	motile	-ve	-ve	fermentative	-ve	-ve	-ve	-ve
87	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
88	Gram –ve bacilli	β - hemolysis	motile	-ve	-ve	fermentative	-ve	-ve	-ve	-ve
89	Gram –ve bacilli	α - hemolysis	motile	-ve	-ve	fermentative	-ve	-ve	-ve	-ve
90	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
91	Gram –ve coccobacilli	α - hemolysis	motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
92	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
93	Gram –ve	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve

	coccobacilli									
94	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
95	Gram –ve coccobacilli	α - hemolysis	motile	-ve	-ve	fermentative	-ve	-ve	-ve	-ve
96	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	Oxidative	-ve	-ve	-ve
97	Gram –ve coccobacilli	α - hemolysis	motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
98	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
99	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
100	Gram –ve coccobacilli	α - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
101	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
102	Gram –ve coccobacilli	α - hemolysis	motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
103	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
104	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
105	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
106	Gram –ve coccobacilli	β - hemolysis	motile	-ve	-ve	fermentative	-ve	-ve	-ve	-ve
107	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve

	coccobacilli									
108	Gram –ve coccobacilli	α - hemolysis	motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
109	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
111	Gram –ve coccobacilli	α - hemolysis	motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
112	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
113	Gram –ve coccobacilli	β - hemolysis	motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
114	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
115	Gram –ve coccobacilli	γ - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
116	Gram –ve coccobacilli	α - hemolysis	motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve
117	Gram –ve coccobacilli	α - hemolysis	Non motile	-ve	-ve	Oxidative	-ve	-ve	-ve	-ve

■ Sensitive *A. baumannii*

■ Multidrug resistant *A. baumannii*

■ Extensive drug resistant *A. baumannii*

■ Pan drug resistant *A. baumannii*

Supplementary Data S2.

Table S2. Antibiotic resistance patterns of *Acinetobacter baumannii*

Serial no	Isolate no	Antibiotic resistant patterns	Degree of resistance
1	1	AZM,AK, LEV, CIP, FEP, CTX, IMP, PTZ, CT.	PDR
2	3	AZM,AK, LEV, CIP, FEP, CTX, IMP, PTZ, CT.	PDR
3	4	AZM,AK, LEV, CIP, FEP, CTX, IMP, PTZ, CT.	PDR
4	5	AZM,AK, LEV, CIP, FEP, CTX, IMP, PTZ, CT.	PDR
5	11	AZM,AK, LEV, CIP, FEP, CTX, IMP, PTZ, CT.	PDR
6	14	AZM,AK, LEV, CIP, FEP, CTX, IMP, PTZ, CT.	PDR
7	21	AZM,AK, LEV, CIP, FEP, CTX, IMP, PTZ, CT.	PDR
8	30	AZM,AK, LEV, CIP, FEP, CTX, IMP, PTZ, CT.	PDR
9	42	AZM,AK, LEV, CIP, FEP, CTX, IMP, PTZ, CT.	PDR
10	78	AZM,AK, LEV, CIP, FEP, CTX, IMP,PTZ, CT.	PDR
11	90	AZM,AK, LEV, CIP, FEP, CTX, IMP, PTZ, CT.	PDR
12	8	AZM,AK, LEV, CIP, FEP, CTX.	XDR
13	18	AZM,AK, LEV, CIP, FEP, CTX.	XDR
14	19	AZM,AK, LEV, CIP, FEP, CTX.	XDR
15	32	AZM,AK, LEV, CIP, FEP, CTX.	XDR
16	48	AZM,AK, LEV, CIP, FEP, CTX.	XDR
17	53	AZM,AK, LEV, CIP, FEP, CTX.	XDR
18	60	AZM,AK, LEV, CIP, FEP, CTX.	XDR
19	65	AZM,AK, LEV, CIP, FEP, CTX.	XDR
20	72	AZM,AK, LEV, CIP, FEP, CTX.	XDR
21	80	AZM,AK, LEV, CIP, FEP, CTX.	XDR
22	85	AZM,AK, LEV, CIP, FEP, CTX.	XDR
23	93	AZM,AK, LEV, CIP, FEP, CTX.	XDR
24	103	AZM,AK, LEV, CIP, FEP, CTX.	XDR
25	107	AZM,AK, LEV, CIP, FEP, CTX.	XDR
26	112	AZM,AK, LEV, CIP, FEP, CTX.	XDR
27	115	AZM,AK, LEV, CIP, FEP, CTX.	XDR
28	10	AZM,AK, LEV, CIP	MDR
29	16	AZM,AK, LEV, CIP	MDR
30	26	AZM,AK, LEV, CIP	MDR
31	27	AZM,AK, LEV, CIP	MDR
32	39	AZM,AK, LEV, CIP	MDR
33	51	AZM,AK, LEV, CIP	MDR
34	52	AZM,AK, LEV, CIP	MDR
35	55	AZM,AK, LEV, CIP	MDR
36	62	AZM,AK, LEV, CIP	MDR
37	67	AZM,AK, LEV, CIP	MDR
38	69	AZM,AK, LEV, CIP	MDR
39	75	AZM,AK, LEV, CIP	MDR
40	77	AZM,AK, LEV, CIP	MDR
41	82	AZM,AK, LEV, CIP	MDR
42	86	AZM,AK, LEV, CIP	MDR
43	96	AZM,AK, LEV, CIP	MDR
44	99	AZM,AK, LEV, CIP	MDR
45	105	AZM,AK, LEV, CIP	MDR
46	109	AZM,AK, LEV, CIP	MDR
47	114	AZM,AK, LEV, CIP	MDR
48	6	AZM, AK	S
49	13	AZM	S
50	17	LEV	S

51	20	AK, CIP	S
52	23	AZM, LEV	S
53	24	CIP	S
54	28	AK, CIP	S
55	34	AZM, CIP	S
56	36	LEV	S
57	37	AZM	S
58	40	LEV, CIP	S
59	44	AK	S
60	46	AZM, AK	S
61	49	AK, CIP	S
62	50	AZM	S
63	54	LEV, CIP	S
64	57	AZM,LEV	S
65	59	CIP	S
66	63	LEV	S
67	66	AZM	S
68	70	CIP	S
69	73	AZM	S
70	76	CIP	S
71	81	LEV	S
72	83	LEV	S
73	92	CIP, LEV	S
74	94	AZM	S
75	98	LEV	S
76	101	AZM,CIP	S
77	104	AZM	S
78	110	CIP	S
AZM, Aztreoname; AK, Amikacin; CIP,Ciprofloxacin; LEV,Levofloxacin; FEP, Cefepime; CTX, Cefotaxime; IMI, Imipenem; PTZ, Piperacillin Tazobactam; CT, colistin. PDR, ‘pan drug resistant’; XDR, ‘extensive drug resistant’; MDR, ‘multidrug resistant’; S, Sensitive.			