

Table 1: Phenotypic and genotypic characterization of *A. baumannii* isolates.

Isolate no	CarbAcinto NP	Resistance Genes			Insertion Sequence detection			Virulence Genes			MLST		SBT	
		OXA-23/24/58	MBL	ESBL	IS <i>Aba1</i>	ISF-OXA-23	ISR-OXA-23	ISF-OXA-51	Cpa1	Cpa2	pkf	ST	CC	OXA-51 like
AB01	+	OXA-23	-	-	+	+	-	+	-	-	+	1305	92	OXA-66
AB02	+	OXA-23	-	-	+	+	-	+	+	+	+	195	92	OXA-66
AB03	+	OXA-23	-	PER-7	+	+	+	+	-	-	+	1306	862	OXA-66
AB04	+	OXA-23	-	TEM-1	+	+	-	+	-	-	+	1114	92	OXA-66
AB05	+	OXA-23	-	-	+	+	-	+	-	-	+	218	92	OXA-66
AB06	+	OXA-23	-	-	+	+	-	+	-	-	-	848	92	OXA-66
AB07	+	OXA-23	-	PER-7	+	+	-	+	-	-	+	848	92	OXA-66
AB08	+	OXA-23	-	-	+	+	-	+	-	-	-	195	92	OXA-66
AB09	+	OXA-23	NDM-1	PER-7	+	+	-	+	-	-	-	1308	862	OXA-104
AB10	+	OXA-23	-	PER-7	+	+	-	+	-	-	+	391	391	OXA-68
AB11	+	OXA-23	-	PER-7	+	+	-	+	-	-	+	848	92	OXA-66
AB12	+	OXA-23	NDM-1	PER-7	+	+	-	-	-	-	+	862	862	OXA-144
AB13	+	OXA-23	-	PER-7	+	+	-	+	-	-	+	848	92	OXA-66
AB14	+	OXA-23	NDM-1	PER-7	+	+	-	+	-	-	+	862	862	OXA-104
AB15	+	OXA-23	NDM-1	PER-7	+	+	-	+	-	-	+	1335	Singleton	OXA-104
AB16	+	OXA-23	-	PER-7	+	+	-	+	-	-	+	848	92	OXA-66
AB17	-	-	-	-	+	-	-	+	-	-	+	1307	Singleton	OXA-343

Present (+), Absent (-), Insertion Sequence (IS), Sequence Type (ST), Clonal Complex (CC)

Multilocus sequence typing (MLST), Single-locus sequence based typing (SBT)

Supplementary data

Table S1: Isolate details for the month of June and November

Isolate no	Culture source	Admission date	Culture date	Place	Pus cells	CFU	X-Ray suggestive of VAP
AB01	Blood	19-05-15 to 10-06-15	09/6/2015	West Bengal			Yes
AB02	Blood	25-06-15 to 09-07-15	26-06-2015	Tamil Nadu			Yes
AB03	Blood and ETA	22-05-15 to 12-06-15	11/6/2015	Jharkhand	Many in ETA	100,000	Yes
AB04	ETA	19-04-15 to 02-06-15	01/6/2015	Arunachal Pradesh	Many	100,000	Yes
AB05	ETA	21-05-15 to 14-06-15	04/6/2015	Tamil Nadu	Few	100,000	Yes
AB06	ETA	12-06-15 to 15-06-15	12/6/2015	Tamil Nadu	Few	12000	Yes
AB07	ETA	12-06-15 to 01-07-15	17/06/2015	Andhra Pradesh	Moderate	100,000	Yes
AB08	ETA	15-06-15 to 06-07-15	17/06/2015	Tamil Nadu	Many	100,000	Yes
AB09	ETA	19-06-15 to 23-06-15	21/06/2015	Tamil Nadu	Moderate	100,000	Yes
AB10	ETA	22-06-15 to 20-07-15	30/06/2015	Tamil Nadu	Many	100,000	Yes
AB11	ETA	21-06-15 to 01-07-15	30/06/2015	Tamil Nadu	Moderate	30,000	Yes
AB12	ETA	25-06-15 to 14-07-15	30/06/2015	Tamil Nadu	Many	3,500	Yes
AB13	ETA	29-10-15 to 26-11-15	08/11/2015	Andhra Pradesh	Many	100,000	Yes
AB14	ETA	31-10-15 to 27-11-15	08/11/2015	Jharkhand	Many	100,000	Yes
AB15	ETA	22-10-15 to 12-11-15	11/11/2015	Andhra Pradesh	Many	100,000	Yes
AB16	ETA	14-10-15 to 17-11-15	05/11/2015	Tripura	Many	100,000	Yes
AB17	Blood	29-10-15 to 20-11-15	10/11/2015	Tamil Nadu	Few		Yes

Source: Endotracheal aspirate (ETA), Blood

VAP: Ventilator Associated Pneumonia

Pus cells: High (8-10 pus cells/ high power field), Moderate (5-8 pus cells/ high power field), Few (3-5 pus cells/ high power field)

Table S2: Primers for detection of antimicrobial resistance genes, IS elements and virulence determinants

Primer name	Primer sequence 5' - 3'	Band size	Gene accession number	Reference
Oxa51 F	AGTCTTATGAACATTAAGCACTC	840 bp	NG_049397	This Study
Oxa51 R	TAAACTAACTCTATAAAATACCT			
Oxa23 F	TGATCTGGTGTTTAAAATGAATAAATA	850 bp	NG_049525	This Study
Oxa23 R	TTCTGTCAAGCTCTTAAATAATATTC			
PER-F	AAGGACAATCCGATGAATGTCATT	948 bp	KX349204	This Study
PER-R	TGATAGTCTGTTAATTTGGGCTTA			
NDM-F	AAGGAAAACCTTGATGGAATTGCCC	833 bp	KY587363	This Study
NDM-R	AGCCATGGCTCAGCGCAGCTTGT			
TEM-F	AGGAAGAGTATGAGTATTCAAC	878 bp	CP018254.1:306256-307116	This Study
TEM-R	GTCTGACAGTTACCAATGCTTAAT			
FxOxaF	GATACCAGACCTGGCAACAT	889 bp		Lopes et al., 2012
OXA-51 R	TGGATTGCACTTCATCTTGG			Turton et al., 2006
IS <i>Abal</i> F	CAC GAA TGC AGA AGT TG	548 bp		Turton et al., 2006
IS <i>Abal</i> R	CGA CGA ATA CTA TGA CAC			
IS <i>Abal</i> F	CAC GAA TGC AGA AGT TG	~1300 bp		Turton et al., 2006
OXA-23 R	ATTTCTGACCGCATTTCAT			
PKF F	ATGAAATCTCGCTATTTACAACAAGGAATG	1347 bp	JF729315	This Study
PKF R	TTACTGAATACGTAAACCAAGCATTGCACG			
Cpa1 F	CATCACTCAATATTGGAGCAATTGTTGCG	1017 bp	KJ461713	This Study
Cpa1 R	CACAATAACAACCTTTATCGCCGACTTGAGC			
Cpa2 F	AGGCGATCAATATGAGTTTATGTATGTAAGCG	859 bp	KJ461713	This Study
Cpa2 R	ACTGACCGCATCAATTTTTCCTTCTACACC			