



A cross-sectional study to understand the correlation among *Salmonella enterica* infection and *Lactobacillus reuteri* concentration in fecal samples of post weaning piglets and their association in causation of diarrhea

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Supplementary Table 1. Antibiotic sensitivity pattern of *Staphylococcus aureus* isolates

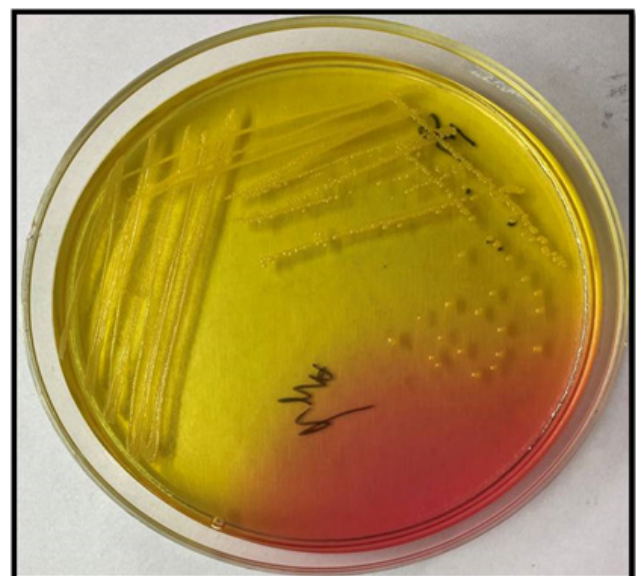
Antibiotic/ Symbol ^{Concentration}	Overall pattern as per number of isolate (Percentage)		
	Sensitive	Intermediate	Resistant
Azithromycin/ AZM ¹⁵	05 (25.0)	06 (30.0)	09(45.0)
Cefoxitin/CX ³⁰	09 (58.3)	0 (0.0)	11 (55.0)
Chloramphenicol/C ³⁰	10 (50.0)	07 (35.0)	03 (15.0)
Ciprofloxacin/CIP ⁵	02 (10.0)	07 (35.0)	11 (55.0)
Clarithromycin/ CLR ¹⁵	09 (45.0)	05 (25.0)	06 (30.0)
Clindamycin/CD ²	05 (25.0)	13 (65.0)	02 (10.0)
Doxycycline Hydrochloride/ DO ³⁰	13 (65.0)	03 (15.0)	04 (20.0)
Erythromycin/E ¹⁵	01 (5.0)	13 (65.0)	06 (30.0)
Gentamicin/ GEN ¹⁰	17 (85.0)	03 (15.0)	0 (0.0)
Levofloxacin/LE ⁵	04 (20.0)	04 (20.0)	12 (60.0)
Linezolid/ LZ ³⁰	08 (40.0)	0 (0.0)	12 (60.0)
Minocycline/MI ³⁰	10 (50.0)	5 (25.0)	05 (25.0)
Penicillin –G/ P ^{10U}	04 (20.0)	0 (0.0)	16 (80.0)
Tetracycline/ TE ³⁰	12 (60.0)	05 (25.0)	03 (15.0)

Supplementary Table 2. Detection of Antibiotic resistant *blaZ* gene in *S. aureus* isolates

S. No.	Chromosomal DNA		Plasmid	
	Positive (No.)	Negative (No.)	Positive (No.)	Negative (No.)
1.	C4, C18, C27, C34, C47, C48, C50, C53, C54, C57, C58, C61, C68, C69, C73, C74, C80, C93	C29, C36	C47, C48, C53, C54, C57, C61, C68, C69, C73, C74, C80, C93	C4, C18, C27, C29, C34, C36, C50, C58
Total	18 (90%)	02 (10%)	12(60%)	08 (40%)

Supplementary Table 3. Detection of Antibiotic resistant *mecA* gene in *S. aureus* isolates

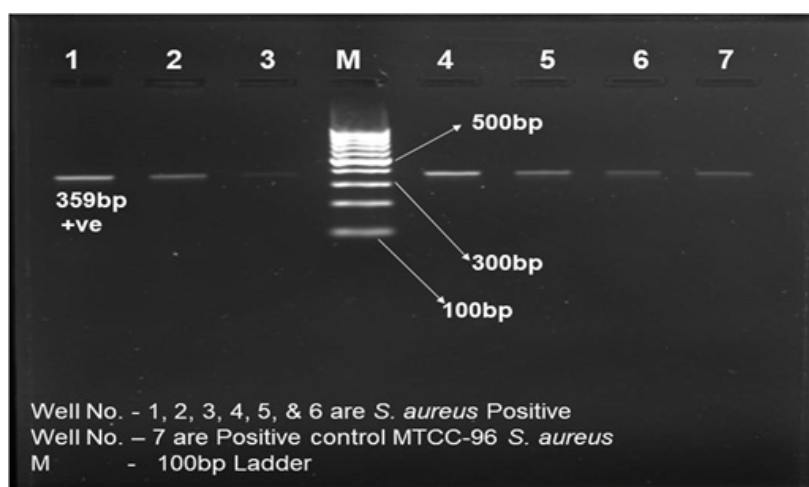
S. No.	Chromosomal DNA		Plasmid	
	Positive (No.)	Negative (No.)	Positive (No.)	Negative (No.)
1.	C69	C4, C18, C27, C29, C34, C36, C47, C48, C50, C53, C54, C57, C58, C61, C68, C73, C74, C80, C93	C69	C4, C18, C27, C29, C34, C36, C47, C48, C50, C53, C54, C57, C58, C61, C68, C73, C74, C80, C93
Total	01 (5%)	19 (95%)	01 (5%)	19 (95%)



Supplementary Fig. 1(a). Growth of *Staphylococcus aureus* isolates on Mannitol Salt Agar: *Staphylococcus aureus* isolates show golden yellow colour colony on Mannitol Salt Agar



Supplementary Fig. 1(b). Growth of *Staphylococcus aureus* isolates on Baird Parker Agar: *Staphylococcus aureus* isolates show Black coloured colony surrounded by clear opaque zone



Supplementary Fig. 2. Genotypic confirmation of *Staphylococcus aureus* isolates based on *nuc* gene PCR (amplicon size 359bp), Well No. 1,2,3,4,5 & 6 are *S. aureus* positive, Well No.7 are positive control MTCC-96 *S. aureus*, M: 100bp Ladder