

Table SI. Antibiotic resistance profiles of the isolated pathogenic cultures.

	Number of isolate	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Study group	ASD	ASD	ASD	ASD	ASD	ASD	ASD	ASD	ASD	CON	CON	CON	ASD	CON	CON	CON	CON	CON	CON	CON	CON	CON	CON	ASD
	Species isolated	β -h Ec	β -h Ec	β -h Ec	β -h Ec	β -h Ec	<i>Klebs</i>	β -h Ec	Psa	β -h Ec	β -h Ec	β -h Ec	Klebs.	β -h Ec		Sa	Psa	Sa	β -h Ec	Sa	Mm	β -h Ec	β -h Ec	β -h Ec	β -h Ec
Antibiotic name	Antibiotic group																								
Gentamicin	Aminoglycosides	I	I	I	I	R	I	R	S	R	R	I	I	R	R	I	S	I	I	I	R	I	I	R	R
Ceftriaxone	Cephalosporins	I	R	R	I	R	R	R	R	R	R	R	S	S	I	I	R	R	S	S	S	S	S	I	I
Claforan	Cephalosporins	S	R	S	S	S	S	S	R	S	R	S	S	S	I	R	R	I	S	I	S	S	S	S	S
Triaxone	Cephalosporins	S	R	S	S	S	S	S	R	S	R	S	R	I	S	I	S	R	R	R	R	I	R	I	I
Ciprofloxacin	Fluoroquinolones	S	S	S	S	S	S	S	S	S	R	S	S	S	S	S	S	S	S	I	S	S	S	S	S
Levofloxacin	Fluoroquinolones	S	I	S	S	S	S	S	S	S	R	I	S	S	I	S	S	S	I	S	S	S	S	I	S
Avelox	Fluoroquinolones	S	I	S	S	S	S	S	S	S	R	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Amoxicilin	Penicillins	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Ampicilin	Penicillins	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Asfampisid	Penicillins and cephalosporins	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Ampiox	Penicillins and cephalosporins	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	I	R	I	R	R	R	R	R
Biseptol	Sulfonamides	I	S	R	S	S	R	R	R	S	R	S	I	I	S	S	R	I	I	I	R	S	S	I	I

S, sensitive; I, intermediate sensitivity; R, resistant; ASD, autism spectrum disorder; CON, control; β -h Ec, β -haemolytic *E. coli*; Klebs, *Klebsiella* spp.; Psa, *Pseudomonas aeruginosa*; Sa, *Staphylococcus aureus*; Mm, *Morganella morganii*.