

Table S1. *E. coli* strains and antibiotic resistance profiles.

Strain s	Site of isolation	Animal s	Year of isolation	AMI (60 µg)*	COL (10 µg)	ENR (5 µg)	LIN/SPE (2+100 µg)	OXY (30 µg)	THP (30 µg)	TLM (15 µg)	TYL (30 µg)	TRM (1.5 µg)	SUL (25µg)	AMP (10 µg)	DOX (30 µg)	FLU (30 µg)	ERY (15 µg)	AMX (25 µg)	APR (30 µg)	Total resistance
EC1	Liver	Poultry	2018	R	S	I	I	I	R	R	R	S	R	R	S	I	R	R	R	9
EC2	Liver	Poultry	2018	R	S	S	S	I	I	S	R	I	R	S	I	S	R	R	R	6
EC3	Liver	Poultry	2018	S	S	S	R	R	R	R	R	S	R	R	R	S	R	R	S	10
EC4	Liver	Poultry	2018	R	S	S	R	R	R	R	R	S	R	R	R	S	R	R	R	12
EC5	Liver	Poultry	2018	R	S	S	I	S	I	R	R	R	R	R	I	S	R	R	R	9
EC6	Liver	Poultry	2018	R	S	R	S	R	R	R	R	R	R	R	R	R	R	R	R	14
EC7	Liver	Poultry	2018	S	S	R	S	R	R	S	R	R	R	R	R	R	R	R	R	12
EC8	Liver	Poultry	2018	S	S	R	R	R	R	S	R	R	R	R	R	R	R	R	R	13
EC9	Liver	Poultry	2018	R	S	R	S	I	I	S	R	S	R	S	I	S	I	R	S	5
EC10	Liver	Poultry	2018	R	S	R	I	R	R	R	R	R	R	R	R	R	R	R	R	14
EC11	Liver	Poultry	2018	R	R	R	S	R	R	R	R	R	R	R	R	R	R	R	R	15
EC12	Cutaneous crust	Equine	2018	S	S	S	I	R	I	S	R	R	R	R	R	S	R	R	R	9
EC13	Liver	Poultry	2018	S	S	S	S	R	R	S	R	R	R	R	R	S	R	R	S	9
EC14	Cutaneous crust	Bovine	2018	S	S	S	S	I	S	S	R	S	R	S	S	S	R	R	S	4
EC15	Mammary gland	Canine	2018	S	S	S	S	S	S	S	R	S	R	S	I	S	I	R	S	3
EC16	Liver	Bovine	2018	S	S	S	S	I	R	R	R	S	R	S	I	S	R	R	S	6
EC17	Liver	Poultry	2018	S	S	S	S	S	I	S	R	S	R	S	S	S	I	R	S	3
EC18	Liver	Poultry	2018	S	S	R	S	R	I	R	R	S	R	R	R	R	R	R	S	10
EC19	Liver	Poultry	2018	S	S	R	S	I	I	S	R	S	R	R	R	R	R	R	S	8
EC20	Joint swab	Poultry	2018	S	S	S	R	I	I	S	R	R	R	R	I	R	I	R	S	7
EC21	Liver	Poultry	2018	S	S	R	S	I	I	S	R	R	R	R	I	R	R	R	S	8
EC22	Liver	Poultry	2018	S	S	S	I	R	I	R	R	R	R	R	R	S	R	R	S	9
EC23	Liver	Poultry	2018	S	R	R	S	R	R	S	R	R	R	R	R	R	I	R	S	11
EC24	Liver	Poultry	2018	S	S	I	R	S	I	S	I	R	R	R	S	S	R	R	R	7
EC25	Liver	Poultry	2018	S	S	S	S	R	I	S	R	S	R	R	R	S	I	R	R	7
EC26	Liver	Poultry	2018	S	S	S	R	S	R	S	R	S	R	R	S	I	R	R	R	8
EC27	Liver	Poultry	2018	S	S	R	S	I	R	S	R	R	R	R	S	R	R	R	R	10

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EC72	Intestine	Poultry	2016	R	S	I	R	R	I	R	R	R	R	R	R	I	R	R	R	12
EC73	Mammary gland	Bovine	2017	S	S	S	R	I	I	R	R	S	R	S	S	S	R	R	S	6
EC74	Intestine	Swine	2016	S	S	S	R	I	I	R	R	S	R	I	S	S	R	R	S	6
EC75	Liver	Poultry	2016	S	S	S	S	R	R	R	R	R	R	R	R	S	R	R	S	10
EC76	Intestine	Swine	2016	S	S	S	R	I	R	R	R	S	R	I	S	S	R	R	S	7
EC77	Mammary gland	Bovine	2016	S	S	S	R	S	I	S	R	S	R	S	I	S	R	R	S	5
EC78	Mammary gland	Bovine	2016	S	S	S	R	R	R	R	R	S	R	R	R	S	R	R	S	10
EC79	Cerebrospinal Fluid	Bovine	2019	R	S	R	R	I	R	R	R	R	R	R	I	R	R	R	S	12
EC80	Lung	Bovine	2019	S	S	S	I	R	I	S	R	S	R	S	S	S	R	R	S	5
EC81	Liver	Bovine	2019	S	S	S	I	R	I	S	R	S	R	S	S	S	R	R	S	5
EC82	Lung	Bovine	2019	R	S	R	R	I	R	R	R	R	R	R	R	R	R	R	R	14
EC83	Lung	Bovine	2019	R	R	R	R	R	I	R	R	R	R	R	I	R	R	R	R	14
EC84	Liver	Poultry	2019	S	S	S	R	I	I	R	R	S	R	R	S	S	R	R	S	7
EC85	Liver	Poultry	2019	R	R	S	R	I	I	R	R	S	R	R	I	S	R	R	R	10
EC86	Spleen	Swine	2019	S	S	S	R	I	I	R	R	S	R	R	I	S	R	R	S	7
EC87	Liver	Poultry	2016	S	S	S	R	R	R	R	R	S	R	S	R	S	R	R	S	9
EC88	Liver	Poultry	2016	I	S	I	S	R	I	R	R	R	R	R	R	I	R	R	R	10
EC89	Mammary gland	Bovine	2015	R	S	S	S	R	I	S	R	R	R	R	R	S	R	R	S	9
EC90	Liver	Poultry	2015	S	S	R	S	R	I	S	R	R	R	R	R	R	R	R	S	10
EC91	Kidney	Poultry	2015	S	S	R	I	R	I	S	R	R	R	I	R	R	I	R	S	8
EC92	Mammary gland	Bovine	2018	S	S	I	S	R	I	S	R	S	I	R	R	S	R	R	S	6
EC93	Liver	Poultry	2019	S	S	I	R	R	I	R	R	R	R	R	R	R	R	R	S	11
EC94	Liver	Buffalo	2019	R	S	R	R	R	R	R	R	R	R	R	R	R	R	R	R	15
EC95	Brain	Bovine	2015	R	S	R	I	R	R	S	R	S	R	R	R	R	R	R	S	11
EC96	Liver	Poultry	2015	S	S	R	S	R	I	R	R	S	R	R	S	R	R	R	S	9
EC97	Liver	Bovine	2015	S	S	S	S	R	R	S	R	R	R	R	R	I	R	R	S	9
EC98	Liver	Bovine	2015	S	S	R	S	R	I	S	R	R	R	R	R	R	R	R	S	10
EC99	Liver	Bovine	2015	S	S	R	R	R	I	S	R	R	R	R	R	R	R	R	S	11
EC100	Liver	Poultry	2015	S	S	R	S	R	I	S	R	S	R	R	R	R	R	R	S	9
EC101	Liver	Poultry	2019	R	S	R	R	R	R	R	R	R	R	R	R	R	R	R	R	15
EC102	Liver	Poultry	2019	S	S	I	S	R	R	S	R	R	R	R	R	R	R	R	R	11
EC103	Liver	Poultry	2019	S	S	R	S	R	I	S	S	S	I	I	R	R	R	R	S	6
EC104	Liver	Poultry	2019	S	S	R	S	S	R	S	R	S	R	R	S	R	R	R	S	8

EC105	Liver	Poultry	2019	S	S	R	S	R	R	S	R	S	I	I	R	R	R	R	S	8
EC106	Liver	Poultry	2019	S	S	S	R	S	R	R	R	R	R	R	S	I	R	R	S	9
EC107	Oviduct	Poultry	2019	R	S	R	I	R	R	S	R	R	R	R	R	R	R	R	S	12
EC108	Oviduct	Poultry	2019	R	S	R	I	R	R	R	R	R	R	R	R	R	R	R	S	13
EC109	Joint swab	Poultry	2019	S	S	R	S	R	R	S	R	R	R	R	R	R	R	R	S	11
EC110	Liver	Poultry	2019	S	S	R	S	R	S	S	R	R	R	R	R	R	R	R	S	10
EC111	Joint swab	Poultry	2019	S	S	R	I	R	I	R	R	R	R	R	R	R	R	R	S	11
EC112	Joint swab	Poultry	2019	S	S	R	S	R	I	S	R	I	R	R	R	I	R	R	R	9
EC113	Intestine	Poultry	2019	S	S	R	S	R	I	S	R	S	I	S	R	R	R	R	S	7
EC114	Joint swab	Poultry	2019	S	S	S	S	R	R	S	S	S	I	I	R	S	S	R	I	4

*Disks potencies; R: Resistant; I: Intermediate; S: Sensible; AMI: Aminosidine; COL: Colistin; ENR: Enrofloxacin; LIN/SPE: Lincomycin & Spectomicin; OXY: Oxytetracycline; THM: Thiamphenicol; TLM: Tyilmicosin; TYL: Tylosin; THR: Trimethoprim; SUL: Sulphamethoxazole; AMP: Ampicillin; DOX: Doxycycline; FLQ: Flumequine; ERY: Erythromycin; AMX: Amoxicillin; APR: Apramycin.