Table 1 Characteristics of 90 antibiotic resistant isolates from pig gut

Strain	Accession No.	Antibiotic Resistance profile[#]	Phylo-group	Place of isolation	Sample source (growth stage)
E.coli 11	MH671408	AMP, TE	B1	Nanjing	Post-weaned
E.coli 12	MH671409	AMP, TE, C, CN	C	Nanjing	Post-weaned
E.coli 13	MH671410	AMP, TE, C, CN, ENR, EFT	A	Nanjing	Post-weaned
E.coli 14	MH671411	AMP, TE, C, CN, ENR, EFT	B1	Nanjing	Post-weaned
E.coli 15	MH671412	AMP, TE, C	C	Nanjing	Post-weaned
E.coli 22	MH671413	AMP, TE, C, CN	A	Nanjing	Post-weaned
E.coli 24	MH671414	AMP, TE, C, CN, ENR	C	Nanjing	Post-weaned
E.coli 31	MH671415	AMP, TE, C	B1	Nanjing	Post-weaned
E.coli 33	MH671416	AMP, TE, ENR	B1	Nanjing	Post-weaned
E.coli 34	MH671417	AMP, TE, C	B1	Nanjing	Post-weaned
E.coli 36	MH671419	AMP, TE, C, ENR, EFT	B1	Maanshan	Post-weaned
E.coli 37	MH671420	None	B1	Maanshan	Post-weaned
E.coli 38	MH671421	AMP, TE, EFT	A	Maanshan	Post-weaned
E.coli 41	MH671422	AMP, TE, CN, ENR	C	Maanshan	Post-weaned
E.coli 42	MH671423	AMP, TE, C, CN	B1	Maanshan	Post-weaned
E.coli 44	MH671425	AMP, TE, C, CN	A	Maanshan	Post-weaned
E.coli 45	MH671426	AMP, TE, C, CN, ENR	B1	Maanshan	Post-weaned
E.coli 46	MH671427	AMP, TE, C	C	Maanshan	Post-weaned
E.coli 47	MH671428	AMP, TE, CN, EFT	B1	Maanshan	Post-weaned
E.coli 51	MH671429	AMP, TE, C	C	Maanshan	Post-weaned
E.coli 52	MH671430	AMP, TE, C, CN, ENR	A	Maanshan	Post-weaned
E.coli 54	MH671431	AMP, TE, C, CN	B1	Maanshan	Post-weaned
E.coli 56	MH671432	AMP, TE, C	B1	Maanshan	Post-weaned
E.coli 57	MH671433	AMP, TE, C, CN, ENR	C	Maanshan	Post-weaned
E.coli 58	MH671434	AMP, TE, C, CN	B1	Maanshan	Post-weaned
E.coli 61	MH671435	AMP, TE, C, ENR	A	Maanshan	*Post-weaned
E.coli 62	MH671436	AMP, TE, CN, ENR	B1	Maanshan	*Post-weaned
E.coli 63	MK156384	AMP, TE, C, CN	C	Maanshan	*Post-weaned
E.coli 71	MH671437	AMP, TE, C, CN, ENR	B1	Maanshan	*Post-weaned
E.coli 72	MH671438	AMP, TE, C, CN, ENR, EFT	D	Maanshan	*Post-weaned
E.coli 73	MH671439	AMP, TE, C, CN, ENR	B1	Maanshan	*Post-weaned
E.coli 81	MH671440	AMP, TE, CN	A	Maanshan	Post-weaned
E.coli 82	MH671441	AMP, TE, CN, ENR	C	Maanshan	Post-weaned
E.coli 83	MH671442	AMP, TE, C, CN, ENR	B1	Maanshan	Post-weaned
E.coli 84	MH671443	AMP, TE, CN	C	Maanshan	Post-weaned
E.coli 85	MH671444	AMP, TE, CN, ENR	C	Maanshan	Post-weaned
E.coli 86	MH671445	AMP, TE, C	A	Maanshan	Post-weaned
E.coli 87	MH671446	AMP, TE, CN, ENR	C	Maanshan	Post-weaned
E.coli 91	MH671447	AMP, TE, CN	B1	Maanshan	Post-weaned
E.coli 94	MH671448	AMP, TE, C, CN	C	Maanshan	Post-weaned
E.coli 95	MH671449	AMP, TE, CN	E	Maanshan	Post-weaned
E.coli 101	MH671450	AMP, TE, C	C	Maanshan	Post-weaned

E.coli 102	MH671451	TE	D	Maanshan	Post-weaned
E.coli 103	MH671452	AMP, TE, C, CN, ENR	B1	Maanshan	*Post-weaned
E.coli 104	MH671453	AMP, TE	B1	Maanshan	Post-weaned
E.coli 105	MH671454	TE, C, CN, ENR	B1	Maanshan	*Post-weaned
E.coli 106k88	MK615932	None	B1	Maanshan	*Post-weaned
E.coli 121	MH671455	AMP, TE, CN, ENR	B1	Nanjing	Pre-weaned
E.coli 122	MH671456	AMP, TE, C, CN, EFT	C	Nanjing	Pre-weaned
E.coli 123	MH671457	AMP, TE, C	B1	Nanjing	Pre-weaned
E.coli 131	MH671458	AMP, TE, C, CN, EFT	C	Nanjing	Pre-weaned
E.coli 132	MH671459	AMP	B1	Nanjing	Pre-weaned
E.coli 133	MH671460	AMP, TE, C, CN, ENR	C	Nanjing	Pre-weaned
E.coli 141	MH671461	AMP, C	E	Nanjing	Pre-weaned
E.coli 142	MH671462	AMP, TE, C, CN, ENR	E	Nanjing	Pre-weaned
E.coli 143	MH671463	AMP, TE, C, CN	E	Nanjing	Pre-weaned
E.coli 145	MH671465	AMP, TE, C, CN, EFT	E	Nanjing	Pre-weaned
E.coli 151	MH671466	AMP, TE, C, ENR, EFT	C	Nanjing	Pre-weaned
E.coli 156	MH671467	AMP	C	Nanjing	Pre-weaned
E.coli 161	MH671468	CN	E	Nanjing	Pre-weaned
E.coli 162	MH671469	AMP, TE, C, CN, ENR	B1	Nanjing	Pre-weaned
E.coli 164	MH671470	AMP, TE, C, CN, EFT	C	Nanjing	Pre-weaned
E.coli 171	MH671471	AMP, TE, C, CN, ENR	C	Nanjing	Pre-weaned
E.coli 172	MH671472	AMP, TE, C	C	Nanjing	Pre-weaned
E.coli 173	MH671473	AMP, TE, C, EFT	C	Nanjing	Pre-weaned
E.coli 174	MH671474	AMP, TE, CN	B1	Nanjing	Pre-weaned
E.coli 181	MH671475	AMP, TE, C, CN, ENR	B1	Nanjing	Pre-weaned
E.coli 182	MH671476	AMP, TE, C	A	Nanjing	Pre-weaned
E.coli 191	MH671477	AMP, TE, C, CN	B1	Nanjing	Pre-weaned
E.coli 192	MH671478	AMP, TE, C, CN, EFT	C	Nanjing	Pre-weaned
E.coli 193	MH671479	AMP, TE, C	A	Nanjing	Pre-weaned
E.coli 202	MH671481	AMP, TE, C, ENR	E	Nanjing	Pre-weaned
E.coli 203	MH671482	AMP, TE, C, ENR, EFT	B1	Nanjing	Pre-weaned
E.coli 211	MH671483	AMP, TE	B1	Nantong	^growing
E.coli 212	MH671484	AMP, TE, CN, ENR	A	Nantong	^growing
E.coli 231	MH671486	TE, C, CN, ENR, EFT	A	Nantong	^growing
E.coli 232	MH671487	AMP, TE, C, CN, ENR	A	Nantong	^growing
E.coli 233	MH671488	AMP, TE, C, CN, ENR, EFT	F	Nantong	^growing
E.coli 234	MH671489	AMP, TE, C	B1	Nantong	^growing
E.coli 235	MH671490	AMP, TE, C	A	Nantong	^growing
E.coli 236	MH671491	AMP, TE, C, ENR, EFT	B1	Nantong	^growing
E.coli 237	MH671492	AMP, TE, C, ENR, EFT	A	Nantong	^growing
E.coli 241	MH671493	AMP, TE, C, CN, ENR	A	Nantong	^growing
E.coli 242	MH671494	AMP, TE, C, ENR, EFT	A	Nantong	^growing
E.coli 243	MH671495	AMP, TE, C	C	Nantong	^growing
E.coli 244	MH671496	AMP, TE	C	Nantong	^growing

E.coli 245	MH671497	AMP, TE, C, CN, ENR	B1	Nantong	^growing
P. mirabilis 59qi	MH643694	AMP, TE, C, CN, ENR	/	Maanshan	Post-weaned
C. freundii 113ju	MH643693	AMP, TE	/	Maanshan	Post-weaned
K.pneumonia 184	MH643695	AMP, TE, C, ENR, EFT	/	Nanjing	Pre-weaned

[#] Antibiotic resistance to 6 antimicrobial agents was detected. AMP: Ampicillin; C: Chloramphenicol; CN: Gentamicin; ENR: Enrofloxacin; EFT: Ceftiofur; TE: Tetracycline.

* The *E .coli* strains were isolated from post-weaned piglets with diarrhea.

^ The *E. coli* strains were isolated from growing pigs of 80-100 days old.