

Supplementary material

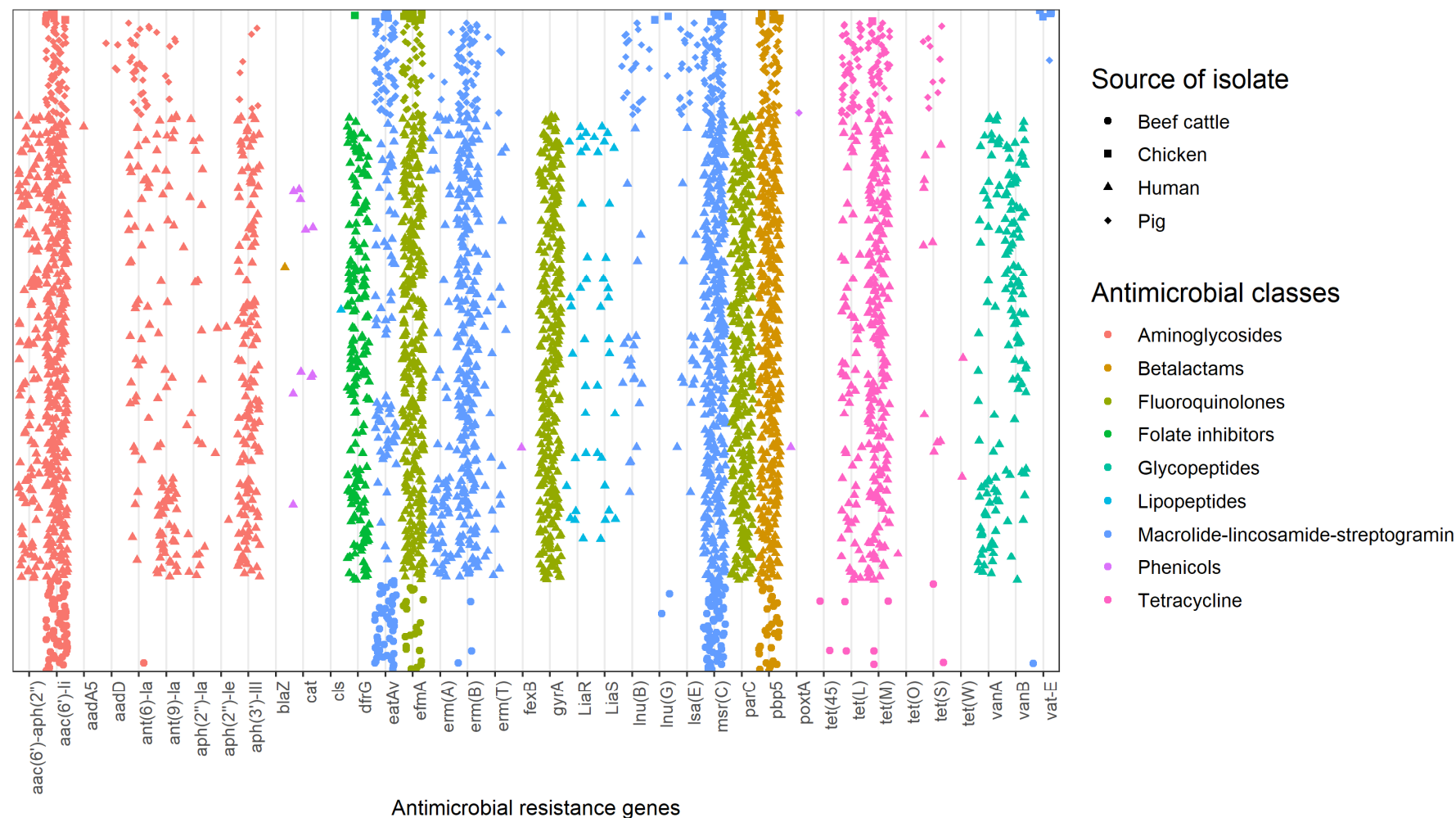


Figure S1. The frequency of antimicrobial resistance gene in *E. faecium* isolated from beef (n=59), pig (n=60), chicken (n=8) and human (n=302).

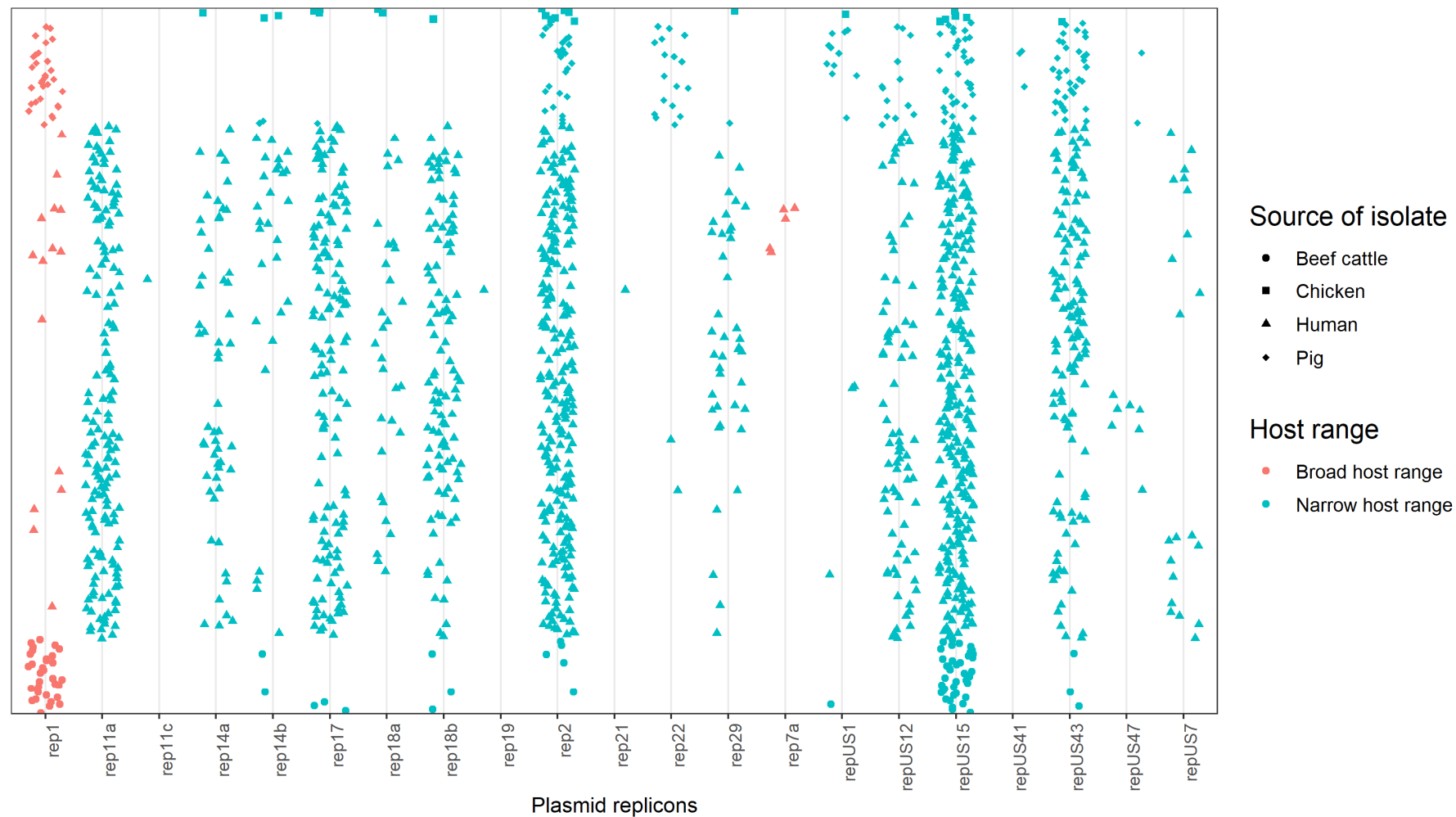


Figure S2. The frequency of plasmid replicons in *E. faecium* isolated from beef (n=59), pig (n=60), chicken (n=8) and human (n=302).

Table S1. Prevalence of antimicrobial resistance genes, plasmid replicons, and virulence genes in *E. faecium* (n=23) human Isolates mixed in animal isolate-dominated clades.

Human isolates (n=23)	MLST	Antimicrobial resistance genes	Plasmid replicons	Virulence genes
SRR10040962	94	<i>aac(6')-Ii, eatAv, msr(C)</i>	repUS15	<i>acm, efaAfm</i>
SRR10041064	1051	<i>aac(6')-Ii, eatAv, msr(C)</i>	rep1	<i>acm, efaAfm</i>
SRR10041102	994	<i>aac(6')-Ii, eatAv, msr(C)</i>	rep1, rep2, repUS15	<i>acm, efaAfm</i>
SRR10041153	1571	<i>aac(6')-Ii, eatAv, msr(C)</i>	rep1, repUS15	<i>acm, efaAfm</i>
SRR10041173	327	<i>aac(6')-Ii, eatAv, msr(C)</i>		<i>acm, efaAfm</i>
SRR10040882	855	<i>aac(6')-Ii, efmA, msr(C)</i>	rep1, repUS15	<i>acm, efaAfm</i>
SRR10040945	1565	<i>aac(6')-Ii, eatAv, msr(C), pbp5</i>	rep1, rep2, rep29, repUS15	<i>acm, efaAfm</i>
SRR10040968	800	<i>aac(6')-Ii, eatAv, msr(C), pbp5</i>	rep1, repUS15	<i>acm, efaAfm</i>
SRR10040975	361	<i>aac(6')-Ii, eatAv, efmA, msr(C)</i>	repUS15	<i>acm, efaAfm</i>
SRR10041049	717	<i>aac(6')-Ii, eatAv, msr(C), pbp5</i>	rep2	<i>acm, efaAfm</i>
SRR10041177	1556	<i>aac(6')-Ii, eatAv, msr(C), pbp5</i>	rep1, repUS15	<i>acm, efaAfm</i>
SRR10041104	22	<i>aac(6')-Ii, efmA, msr(C), pbp5</i>		<i>acm, efaAfm</i>
SRR10041106	1532	<i>aac(6')-Ii, efmA, msr(C), pbp5</i>	rep1, repUS15	<i>acm, efaAfm</i>
SRR10041117	22	<i>aac(6')-Ii, efmA, msr(C), pbp5</i>		<i>acm, efaAfm</i>
SRR10040901	32	<i>aac(6')-Ii, efmA, msr(C), pbp5</i>		<i>acm, efaAfm</i>
SRR10041023	1533	<i>aac(6')-Ii, efmA, msr(C), pbp5</i>	rep2, rep18a, repUS1	<i>acm, efaAfm</i>
SRR10041037	94	<i>aac(6')-Ii, eatAv, efmA, msr(C), pbp5</i>	repUS15	<i>acm, efaAfm</i>
SRR10041066	12	<i>aac(6')-Ii, eatAv, efmA, msr(C), pbp5</i>		<i>acm, efaAfm</i>
SRR10041086	1531	<i>aac(6')-Ii, eatAv, efmA, msr(C), pbp5</i>		<i>acm, efaAfm</i>
SRR10041091	94	<i>aac(6')-Ii, eatAv, efmA, msr(C), pbp5</i>	rep11c, repUS15	<i>acm, efaAfm</i>
SRR10040933	54	<i>aac(6')-Ii, efmA, eatAv, msr(C), pbp5</i>	rep1, repUS15	<i>efaAfm</i>
SRR10040988	1534	<i>aac(6')-Ii, ant(6)-Ia, eatAv, efmA, erm(B), lnu(B), lsa(E), msr(C), pbp5, tet(L), tet(M)</i>	rep22, repUS12, repUS15, repUS43	<i>efaAfm</i>
SRR10040956	1535	<i>aac(6')-Ii, ant(6)-Ia, ant(9)-Ia, efmA, erm(A), erm(B), fexB, lnu(B), lsa(E), msr(C), pbp5, tet(L), tet(M)</i>	rep1, rep2, rep17, rep22, rep29, repUS12, repUS47	<i>acm, efaAfm</i>