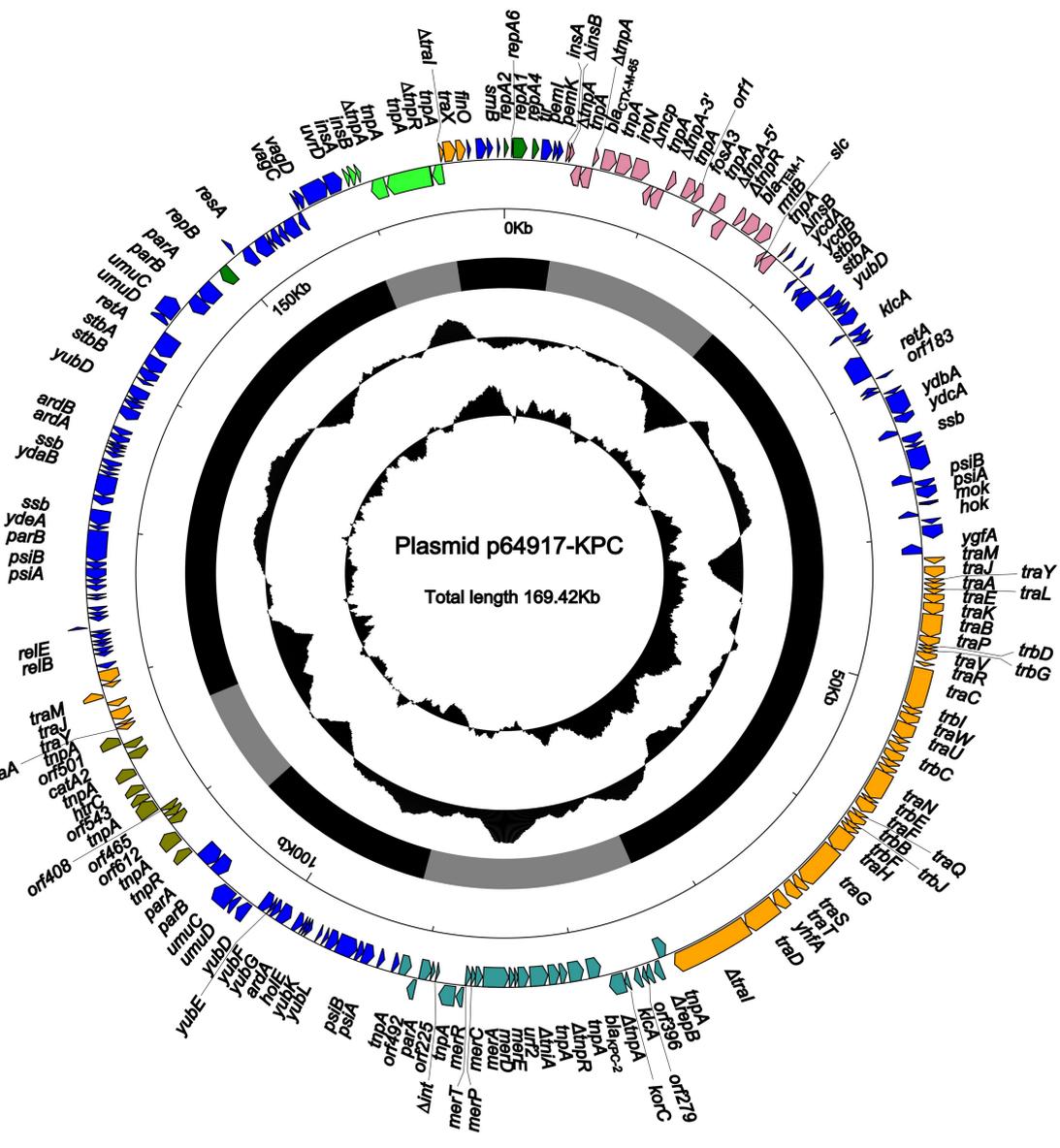
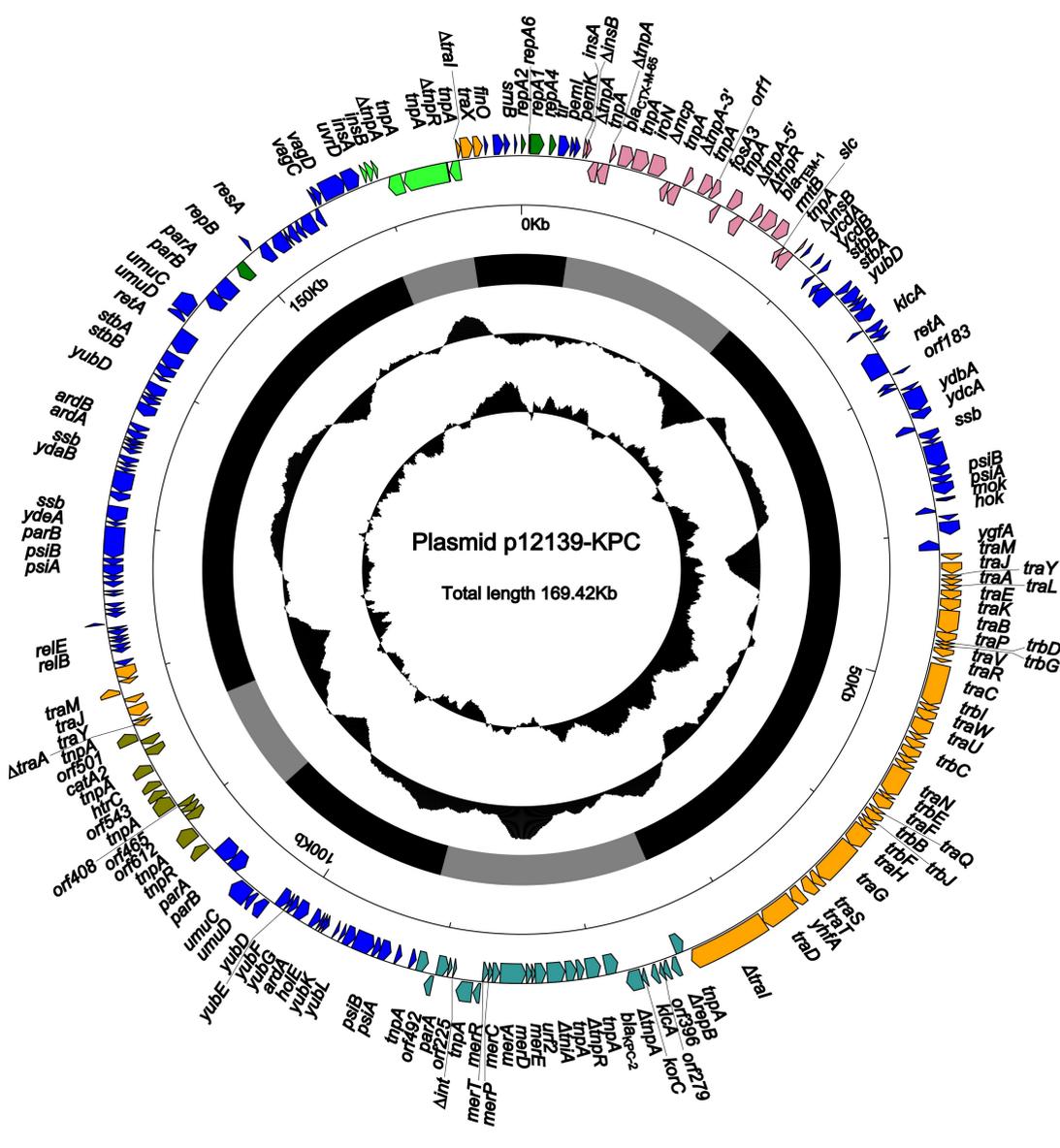
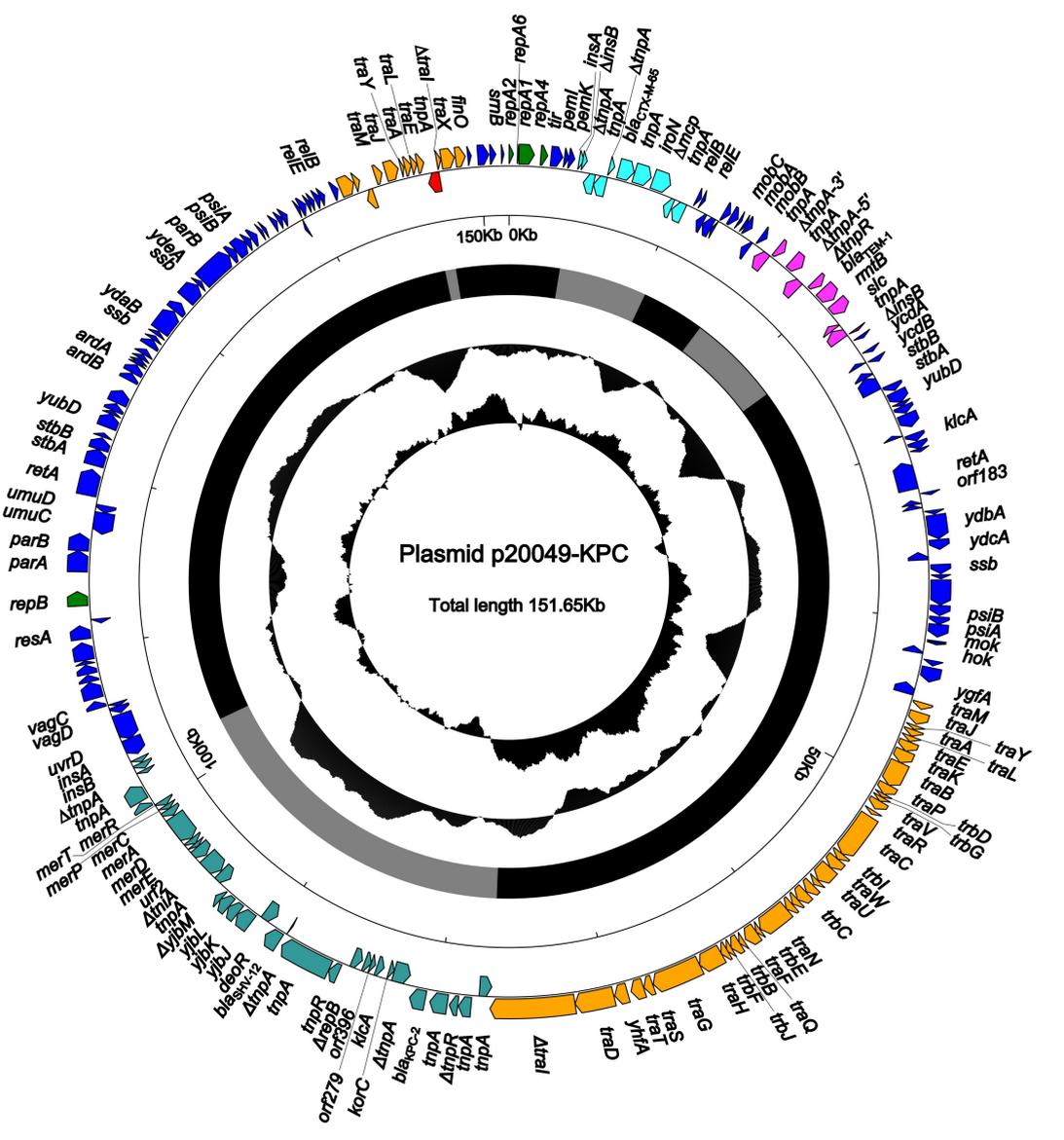
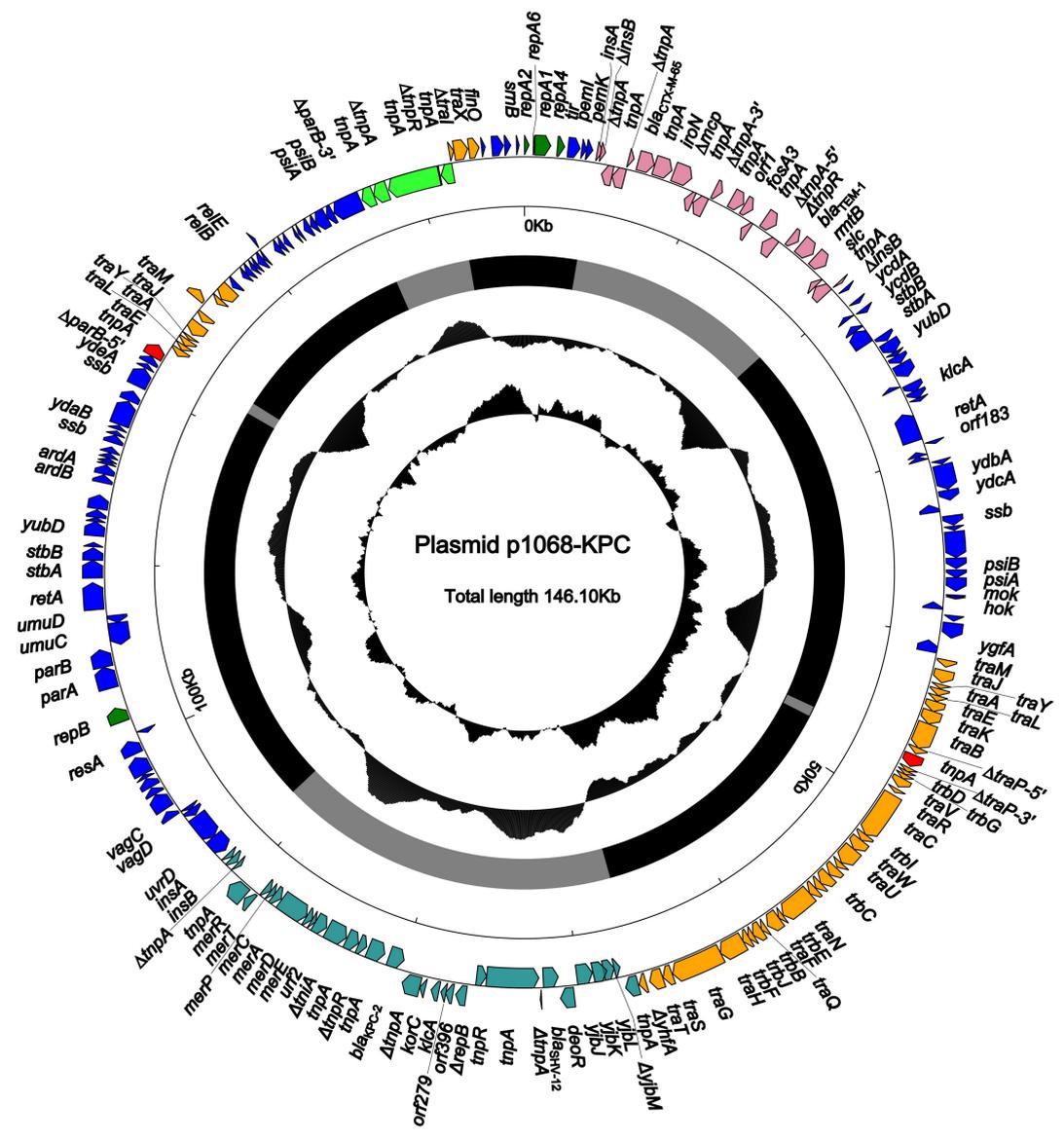


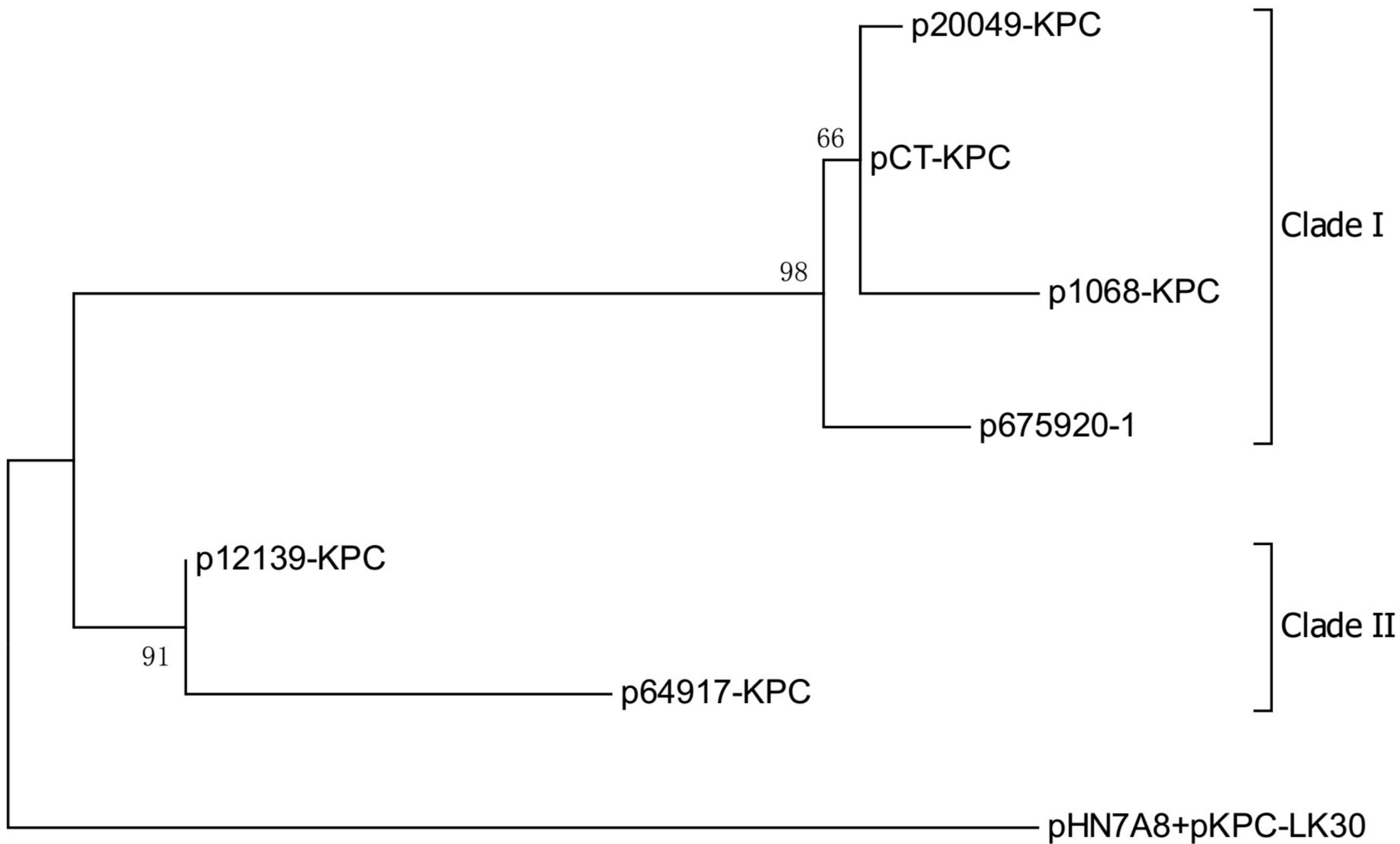
Table S2 Pairwise sequence similarity comparison of KPC-containing plasmids

Comparison of whole sequences												
	pCT-KPC		p1068-KPC		p20049-KPC		p12139-KPC		p64917-KPC		p6475920-1	
	Coverage	Identity	Coverage	Identity	Coverage	Identity	Coverage	Identity	Coverage	Identity	Coverage	Identity
pCT-KPC	–	–	100%	99%	95%	99%	85%	99%	85%	99%	86%	99%
p1068-KPC	96%	99%	–	–	92%	99%	82%	99%	82%	99%	83%	99%
p20049-KPC	98%	99%	98%	99%	–	–	86%	99%	86%	99%	86%	99%
p12139-KPC	96%	99%	95%	99%	92%	99%	–	–	100%	99%	99%	99%
p64917-KPC	96%	99%	95%	99%	92%	99%	100%	99%	–	–	99%	99%
p6475920-1	93%	99%	93%	99%	90%	99%	97%	99%	97%	99%	–	–
Comparison of backbone sequences												
	pCT-KPC		p1068-KPC		p20049-KPC		p12139-KPC		p64917-KPC		p6475920-1	
	Coverage	Identity	Coverage	Identity	Coverage	Identity	Coverage	Identity	Coverage	Identity	Coverage	Identity
pCT-KPC	–	–	100%	99%	93%	99%	88%	99%	88%	99%	88%	100%
p1068-KPC	94%	99%	–	–	89%	99%	83%	99%	83%	99%	83%	99%
p20049-KPC	100%	99%	100%	99%	–	–	89%	99%	89%	99%	89%	99%
p12139-KPC	99%	99%	99%	99%	95%	99%	–	–	100%	99%	99%	99%
p64917-KPC	99%	99%	99%	99%	95%	99%	100%	99%	–	–	99%	99%
p6475920-1	100%	100%	100%	99%	95%	99%	98%	99%	100%	99%	–	–

Table S3 Drug resistance genes carried by plasmids analyzed

Plasmids	Resistance genes	Resistance phenotype	Nucleotide position in plasmids	Accessory region located
pCT-KPC	<i>rmtB</i>	Aminoglycoside resistance	15842..16597	MDR region
	<i>bla_{TEM-1B}</i>	Beta-lactam resistance	16767..17627	
	<i>fosA3</i>	Fosfomycin resistance	20394..20810	
	<i>bla_{CTX-M-65}</i>	Beta-lactam resistance	26672..27547	
	<i>bla_{SHV-12}</i>	Beta-lactam resistance	76493..77353	<i>bla_{KPC-2}</i> region
	<i>bla_{KPC-2}</i>	Beta-lactam resistance	85341..86222	
	<i>mer</i>	Mercuric resistance	90130..94796	
p1068-KPC	<i>bla_{CTX-M-65}</i>	Beta-lactam resistance	6219..7094	MDR region
	<i>fosA3</i>	Fosfomycin resistance	12955..13371	
	<i>bla_{TEM-1B}</i>	Beta-lactam resistance	16138..16998	
	<i>rmtB</i>	Aminoglycoside resistance	17168..17923	
	<i>bla_{SHV-12}</i>	Beta-lactam resistance	71131..71991	<i>bla_{KPC-2}</i> region
	<i>bla_{KPC-2}</i>	Beta-lactam resistance	79979..80860	
	<i>mer</i>	Mercuric resistance	84768.. 89434	
p20049-KPC	<i>bla_{CTX-M-65}</i>	Beta-lactam resistance	6220..7095	<i>bla_{CTX-M-65}</i> region
	<i>bla_{TEM-1B}</i>	Beta-lactam resistance	19671..20531	<i>rmtB</i> region
	<i>rmtB</i>	Aminoglycoside resistance	20701..21456	
	<i>bla_{KPC-2}</i>	Beta-lactam resistance	80558..81439	<i>bla_{KPC-2}</i> region
	<i>bla_{SHV-12}</i>	Beta-lactam resistance	89427..90287	
	<i>mer</i>	Mercuric resistance	95883..100549	
p12139-KPC	<i>bla_{CTX-M-65}</i>	Beta-lactam resistance	6220..7095	MDR region
	<i>fosA3</i>	Fosfomycin resistance	12957..13373	
	<i>bla_{TEM-1B}</i>	Beta-lactam resistance	16140..17000	
	<i>rmtB</i>	Aminoglycoside resistance	17170..17925	
	<i>bla_{KPC-2}</i>	Beta-lactam resistance	78299..79180	<i>bla_{KPC-2}</i> region
	<i>mer</i>	Mercuric resistance	83088..87754	
	<i>catA2</i>	Phenicol resistance	114282..114923	
p64917-KPC	<i>bla_{CTX-M-65}</i>	Beta-lactam resistance	6220..7095	MDR region
	<i>fosA3</i>	Fosfomycin resistance	12956..13372	
	<i>bla_{TEM-1B}</i>	Beta-lactam resistance	16139..16999	
	<i>rmtB</i>	Aminoglycoside resistance	17169..17924	
	<i>bla_{KPC-2}</i>	Beta-lactam resistance	78303..79184	<i>bla_{KPC-2}</i> region
	<i>mer</i>	Mercuric resistance	83087..87753	
	<i>catA2</i>	Phenicol resistance	114288..114929	
p675920-1	<i>bla_{CTX-M-65}</i>	Beta-lactam resistance	6220..7095	MDR region
	<i>fosA3</i>	Fosfomycin resistance	11171..11587	
	<i>bla_{TEM-1}</i>	Beta-lactam resistance	14354..15214	
	<i>rmtB</i>	Aminoglycoside resistance	15384..16139	
	<i>bla_{KPC-2}</i>	Beta-lactam resistance	73948..74829	<i>bla_{KPC-2}</i> region
	<i>mer</i>	Mercuric resistance	79441..83403	





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