

Table S1. Details regarding the conserved CDSs residing in the locally collinear blocks (LCBs) obtained from ProgressiveMauve analysis.

LCB1: Red (29 kbp)	LCB2: Green lime (105 kbp)	LCB3: Green (65 kbp)	LCB4: Blue (241 kbp)	LCB5: Purple (104 kbp)
<ul style="list-style-type: none"> • type I restriction endonuclease subunit M CDS • DNA/RNA non-specific endonuclease CDS • DNA/RNA non-specific endonuclease CDS • transcriptional regulator CDS • H-NS histone family protein CDS • porin family protein CDS • transcriptional regulator CDS • H-NS histone family protein CDS • ANT(3'') family aminoglycoside nucleotidyltransferase CDS • aadA CDS • aadA gene • DUF1010 domain-containing protein CDS • class D beta-lactamase CDS • dfrA12 CDS • dfrA12 gene • chloramphenicol efflux MFS transporter CDS • GNAT family N-acetyltransferase CDS • rifampin ADP-ribosylating transferase ARR-2 CDS • intI1 CDS • intI1 gene • aminoglycoside nucleotidyltransferase CDS • transposase CDS • ethidium bromide resistance protein CDS • recombinase family protein CDS 	<ul style="list-style-type: none"> • plasmid SOS inhibition protein A CDS • DUF1173 family protein CDS • nuclease CDS • DNA repair protein CDS • DNA-binding protein H-NS-like protein CDS • ISNCY-like element ISKpn21 family transposase CDS • ISL3-like element ISKox3 family transposase CDS • thioredoxin CDS • thiol:disulfide interchange protein CDS • lytic transglycosylase CDS • viral (Super1) RNA helicase CDS • MFS transporter CDS • efflux transporter outer membrane subunit CDS • multidrug efflux RND transporter permease subunit CDS • transcriptional regulator CDS • efflux RND transporter periplasmic adaptor subunit CDS • response regulator transcription factor CDS • HAMP domain-containing protein CDS • diguanylate cyclase CDS • AraC family transcriptional regulator CDS • EamA family transporter CDS • LuxR family transcriptional regulator CDS 	<ul style="list-style-type: none"> • Helix-turn-helix domain protein CDS • DGQHR domain-containing protein CDS • phosphoadenosine phosphosulfate reductase family protein CDS • CobQ/CobB/MinD/ParA nucleotide binding domain protein CDS • ParA family protein CDS • HipA domain-containing protein CDS • uvrD1 CDS • uvrD1 gene • ATP-dependent helicase CDS • StbA plasmid stability protein CDS • ParM/StbA family protein CDS • DNA polymerase III subunit epsilon CDS • 3'-5' exonuclease CDS • DUF3346 domain-containing protein CDS • dnaG 2 CDS • dnaG 2 gene • toprim domain-containing protein CDS • recombination associated protein CDS • rdgC CDS • rdgC gene • DotI/IcmL/TraM family protein CDS 	<ul style="list-style-type: none"> • helix-turn-helix domain-containing protein CDS • type II secretion system protein CDS • P-type DNA transfer ATPase VirB11 CDS • tadA CDS • tadA gene • bfpB CDS • bfpB gene • pilT CDS • pilT gene • tadA CDS • tadA gene • type IV secretory system conjugative DNA transfer family protein CDS • DEAD/DEAH box helicase family protein CDS • DNA topoisomerase III CDS • topA CDS • topA gene • transcriptional regulator CDS • diaminopimelate decarboxylase CDS • transcriptional regulator CDS • chromosome segregation protein ParM CDS • DNA-binding protein HU CDS • nuclease CDS • nitrite reductase CDS • Fe3+-siderophore ABC transporter permease CDS • protein-disulfide isomerase CDS • peptidase S49 CDS • phosphohydrolase CDS • plasmid replication protein CDS 	<ul style="list-style-type: none"> • AAA-like domain protein CDS • Trypsin CDS • trypsin-like serine protease CDS • adenylosuccinate synthase CDS • cyclic-di-GMP phosphodiesterase CDS • EAL domain-containing protein CDS • EAL domain-containing protein CDS • N-6 DNA methylase CDS • AAA-like domain protein CDS • Trypsin CDS • EAL domain-containing protein CDS • prmC 2 CDS • prmC 2 gene • Y-family DNA polymerase CDS • XRE family transcriptional regulator CDS • DNA polymerase V CDS • hflK 5 CDS • hflK 5 gene • hflK CDS • hflK gene • hflC 3 CDS • hflC 3 gene • hflC CDS • hflC gene • restriction endonuclease CDS • DNA methyltransferase CDS • DNA cytosine methyltransferase CDS • HNH endonuclease CDS • GIY-YIG nuclease family protein CDS

<ul style="list-style-type: none"> • integrase CDS • transcriptional regulator CDS • transposase CDS • Tn3 family transposase CDS • IS110-like element IS4321 family transposase CDS • replication initiation protein CDS • RNA polymerase-binding transcription factor CDS • transposase CDS • recombination regulator RecX CDS • RecX family transcriptional regulator CDS • transposase CDS 	<ul style="list-style-type: none"> • Phage integrase family protein CDS • AsnC family protein CDS • tyrosine--tRNA ligase CDS • AAA family ATPase CDS • DNA primase CDS • NgrC CDS • integrase CDS • pyruvate dehydrogenase CDS • 5'-deoxynucleotidase CDS • site-specific integrase CDS • conjugal transfer protein TraG CDS • conjugal transfer protein CDS • thioredoxin family protein CDS • transposase CDS • conjugal transfer protein TraI CDS • transposase CDS • conjugal transfer protein TraD CDS • Archaeal ATPase CDS • AAA family ATPase CDS • DUF4400 domain-containing protein CDS • S49 family peptidase CDS • NERD domain-containing protein CDS • integrase CDS • Initiator Replication protein CDS • integrase CDS 		<ul style="list-style-type: none"> • plasmid stability protein StbA CDS • DNA-binding protein CDS • regulator CDS • transcriptional regulator CDS • transglycosylase CDS • nucleotide excision repair protein CDS • permease CDS • conjugal transfer protein TraG CDS • conjugal transfer protein TraH CDS • conjugal transfer protein TraF CDS • DNA helicase CDS • KfrA protein CDS • DNA replication terminus site-binding protein CDS • DNA polymerase III subunit epsilon CDS • integrase CDS • topoisomerase CDS • VWA domain-containing protein CDS • cell surface protein CDS • DUF3150 domain-containing protein CDS • ATP-binding protein CDS • ATP-dependent helicase CDS • type II toxin-antitoxin system Phd/YefM family antitoxin CDS • type II toxin-antitoxin system RelE/ParE family toxin CDS • IS200/IS605 family transposase CDS • transposase CDS • transposase CDS • tnpA CDS • tnpA gene • transposase CDS • conjugal transfer protein TraG CDS 	<ul style="list-style-type: none"> • Phage integrase family protein CDS • DUF2971 domain-containing protein CDS • DUF4365 domain-containing protein CDS • ProQ/FINO family protein CDS • IS4-like element ISEc29 family transposase CDS • ArmA family 16S rRNA (guanine(1405)-N(7))-methyltransferase CDS • IS5 family transposase CDS • IS91 family transposase CDS • transposase CDS • xerC CDS • xerC gene • site-specific integrase CDS • ATP:cob(I)alamin adenosyltransferase CDS • EAL domain-containing protein CDS • bifunctional diguanylate cyclase/phosphodiesterase CDS • Phage integrase family protein CDS • tyrosine-type recombinase/integrase CDS • sul1 CDS • sul1 gene • sulfonamide-resistant dihydropteroate synthase Sul1 CDS • DNA methyltransferase CDS • DNA cytosine methyltransferase CDS • quaternary ammonium compound efflux SMR transporter QacE delta 1 CDS • ethidium bromide resistance protein CDS • type I restriction endonuclease subunit M CDS
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			<ul style="list-style-type: none"> • conjugal transfer protein TraN CDS • plasmid transfer protein CDS • conjugal transfer protein CDS • lepB CDS • lepB gene • TraM recognition domain-containing protein CDS • plasmid transfer protein CDS • DotA/TraY family protein CDS • HtdA CDS • TrhO CDS • trhZ CDS • DNA primase CDS • AAA family ATPase CDS • traV CDS • traV gene • DsbC family protein CDS • conjugal transfer protein TraB CDS • DNA (cytosine-5-)-methyltransferase CDS • DNA cytosine methyltransferase CDS • traK family protein CDS • conjugal transfer protein TraE CDS • plasmid transfer protein CDS • pili assembly chaperone CDS • IS5-like element ISKpn26 family transposase CDS • DNA-binding protein CDS • DUF4165 domain-containing protein CDS • ParA family protein CDS • peptide transporter CDS • DUF4165 domain-containing protein CDS • IS3 family transposase CDS 	
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			<ul style="list-style-type: none"> • DUF4165 domain-containing protein CDS • DUF4165 domain-containing protein CDS • NYN domain-containing protein CDS • HNH endonuclease CDS • DNA-binding protein CDS • dnaC CDS • dnaC gene • DNA cytosine methyltransferase CDS • restriction endonuclease CDS • DUF3846 domain-containing protein CDS • conjugal transfer protein TraF CDS • Eac protein CDS • 2Fe-2S ferredoxin-like protein CDS • plasmid maintenance system killer family protein CDS • IS6-like element IS26 family transposase CDS • IS6-like element IS26 family transposase CDS • Tn3 family transposase CDS • cupin fold metalloprotein, WbuC family CDS • type II toxin-antitoxin system PemK/MazF family toxin CDS • AbrB/MazE/SpoVT family DNA-binding domain-containing protein CDS • class A extended-spectrum beta-lactamase CTX-M-15 CDS • site-specific integrase CDS • IS1380-like element ISEc9 family transposase CDS 	
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			<ul style="list-style-type: none"> • DUF4158 domain-containing protein CDS • recombinase family protein CDS • DUF4942 domain-containing protein CDS • type IV secretion protein Rhs CDS • class A broad-spectrum beta-lactamase TEM-1 CDS • IS91 family transposase CDS • aminoglycoside O-phosphotransferase APH(6)-Id CDS • aph(3'') CDS • aph(3'') gene • relE CDS • relE gene • type II toxin-antitoxin system RelE/ParE family toxin CDS • yafN CDS • yafN gene • type II toxin-antitoxin system Phd/YefM family antitoxin CDS • sul2 CDS • sul2 gene • transcriptional regulator CDS • DUF4102 domain-containing protein CDS • IS110-like element IS5075 family transposase CDS • transposase CDS • Tn3 family transposase CDS • AraC family transcriptional regulator CDS • IS6-like element IS26 family transposase CDS • transposase CDS 	
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