

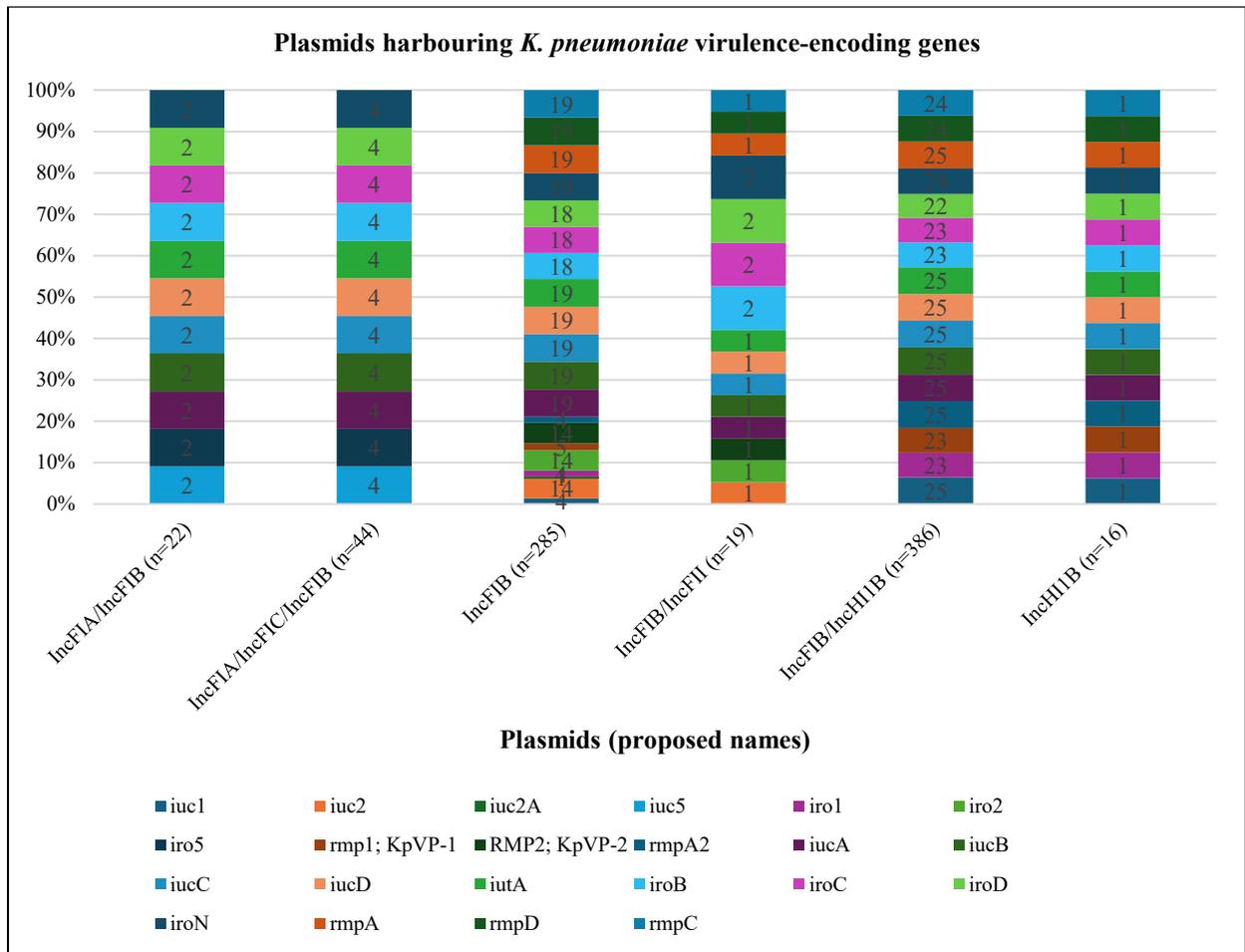
SUPPLEMENTARY MATERIALS

Supplementary Tables: see excel document

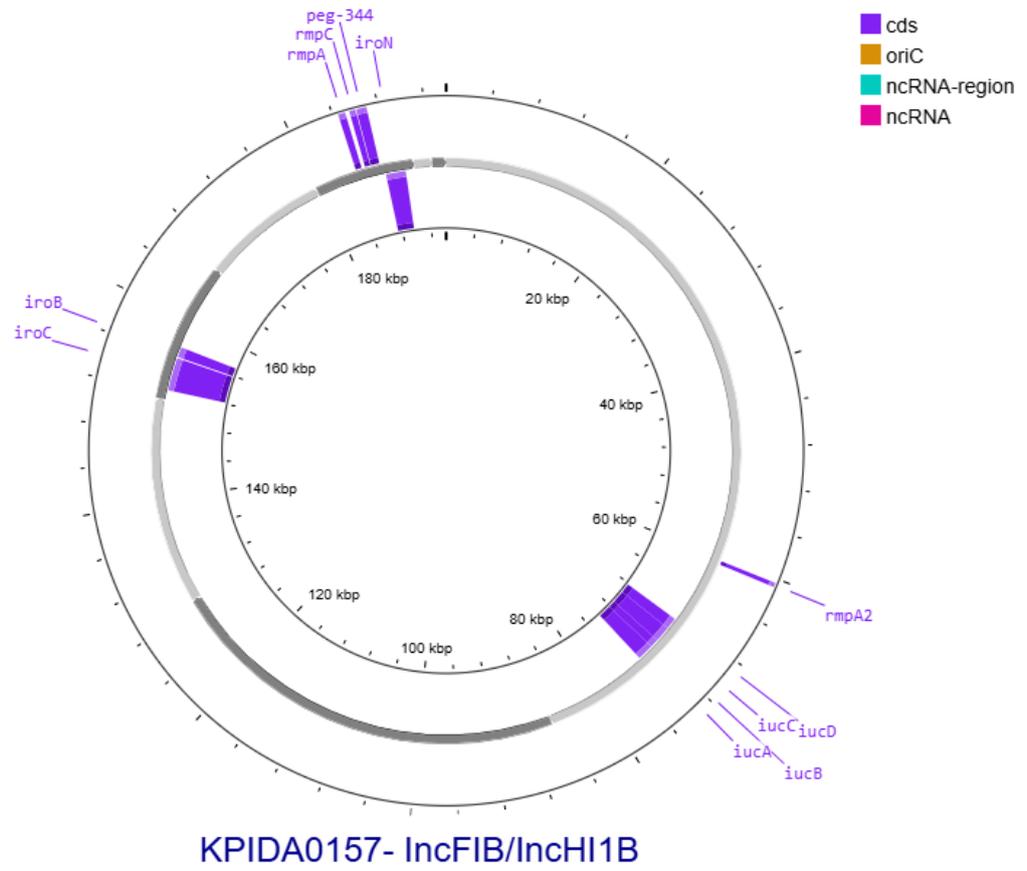
Supplementary Figures

KPIDA0004A-I KPIDA0004-II	<ul style="list-style-type: none">•ST268/ KL20/ O2α (IncFIB)•ST25/ KL2/ O1αβ,2β (IncX3; IncFIB; ColRNAI_rep_cluster_1987; IncFI; Col156)•SNP distance: High (unrelated)	N= 27 days
KPIDA0060-I KPIDA0060B-II	<ul style="list-style-type: none">•ST2497/ KL64/ O1αβ,2α (IncFIB/IncHI1B; ColRNAI_rep_cluster_1987)•ST2497/ KL64/ O1αβ,2α (IncFIB/IncHI1B; ColRNAI_rep_cluster_1987)•SNP distance: 6 SNPs	N= 44 days
KPIDA0127A-I KPIDA0127B-II	<ul style="list-style-type: none">•ST9094/ KL25/ O5 (IncX3; IncFIB/IncFI; IncR; IncFIB)•ST5785/ KL30/ O1αβ,2β (IncFIB/IncFI; IncR; IncN)•SNP distance: 33 SNPs	N= 100 days
KPIDA0149A-I KPIDA0149B-II	<ul style="list-style-type: none">•ST307/ KL102/ O2β (IncFIB; IncFIA/IncFIC)•ST307/ KL102/ O2β (IncFIB; IncFIA)•SNP distance: 8 SNPs	N= 87 days
KPIDA0268A-I KPIDA0268B-II	<ul style="list-style-type: none">•ST985/ KL39/ O1αβ,2β (IncX3; IncFIB/IncFI; IncFIA/IncFIB; IncR)•ST5785/ KL30/ O1αβ,2β (IncFIB/IncFI; IncR)•SNP distance: 33 SNPs	N= 85 days
KPIDC0030A-I KPIDC0030B-II	<ul style="list-style-type: none">•ST86/ KL2/ O1αβ,2α (IncFIB/IncHI1B; IncFIB)•ST86/ KL2/ O1αβ,2α (IncFIB/IncHI1B; IncFIB)•SNP distance: 72 SNPs	N= 169 days

Supplementary Figure 1. Summary of genomic analysis from six individuals with repeat KPn-ID episodes



Supplementary Figure 2. Plasmids harbouring *Klebsiella pneumoniae* virulence-encoding genes



Supplementary Figure 3. IncFIB/ IncHI1B hybrid plasmid with virulence genes in isolate KPIDA0157

Supplementary Figure 4. Phylogenetic tree of invasive *Klebsiella pneumoniae* isolates with Plasmids

Hospital/sites

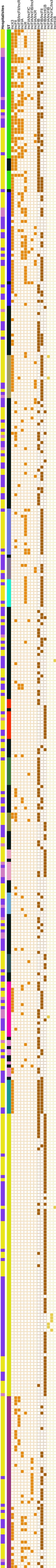
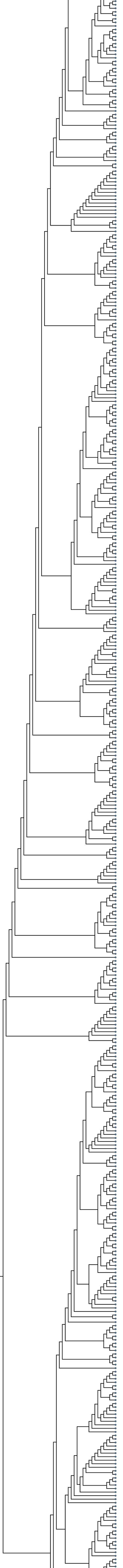
- CHBAH
- HJH
- ST9094
- ST2497
- ST17
- ST23
- ST307

Plasmids

- IncX3
- IncFII
- IncFIB/IncFII/IncR
- IncFA
- IncR
- IncFIA/IncFIC
- IncFIA/IncFIB/IncFII
- IncFIA/IncR
- IncFIB
- IncFIB/IncFII
- IncFIB/IncH1B
- IncFIA/IncFIB
- IncFIA/IncFIC/IncFIB
- IncH1B

Sequence types

- ST9094
- ST2497
- ST17
- ST23
- ST307



Hospital/sites

ST

IncX3

IncFII

IncFIB/IncFII/IncR

IncFIA

IncFIA/IncFIC

IncFIA/IncFIB/IncFII

IncFIB

IncFIB/IncR

IncFIB/IncFII

IncFIB/IncH1B

IncFIA/IncFIB

IncFIA/IncFIC/IncFIB

IncH1B