

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Single nucleotide polymorphisms (SNPs) present in adapted phage M1.

File Name: Supplementary Data 2

Description: Genome islands and prophages present in the patient's *Klebsiella pneumoniae* strains.

File Name: Supplementary Data 3

Description: : Single nucleotide polymorphisms (SNPs) present in the patient's *Klebsiella pneumoniae* strains

File Name: Supplementary Data 4

Description: Annotation of antimicrobial resistance (AMR) genes present in the patient's *Klebsiella pneumoniae* strains.

File Name: Supplementary Data 5

Description: National Center for Biotechnology Information (NCBI) accession codes of phage and bacterial genome sequences