

Supplementary Information

Genomic surveillance of multidrug-resistant *Klebsiella* in Wales reveals persistent spread of *K. pneumoniae* ST307 and adaptive evolution of pOXA-48-like plasmids

Sophia David¹, Massimo Mentasti², Kirsty Sands^{3,4}, Edward Portal⁴, Lee Graham⁵, Joanne Watkins⁵, Catie Williams⁵, Brendan Healy⁶, Owen B. Spiller⁴, David M. Aanensen¹, Mandy Wootton² & Lim Jones²

Supplementary Table 1. Metadata, assembly statistics and genotyping results for 540 short-read sequenced *Klebsiella* isolates included in this study.
[Provided in Excel spreadsheet]

Supplementary Table 2. Metadata and hybrid assembly statistics for 39 long-read sequenced *Klebsiella* isolates included in this study.
[Provided in Excel spreadsheet]

Supplementary Table 3. URLs for interactive Microreact projects containing phylogenetic analyses for each *Klebsiella* species (those with ≥ 5 isolates only) together with all metadata and genotypic data.

Species	Microreact URL
<i>K. pneumoniae</i>	https://microreact.org/project/aSJqpc9MZVZcurTWtoadW8-k-pneumoniae-phw-n421
<i>K. aerogenes</i>	https://microreact.org/project/dsACmepLnijN2GKy9dr29s-k-aerogenes-phw-n33
<i>K. michiganensis</i>	https://microreact.org/project/8UDw4RarAEnVkMu4jDzCe5-k-michiganensis-phw-n27
<i>K. variicola</i>	https://microreact.org/project/4Ctdt1YhyrPcei6cswD4iw-k-variicola-phw-n23
<i>K. oxytoca</i>	https://microreact.org/project/f5w1sF46NFkExbHTLgDiNm-k-oxytoca-phw-n17
<i>K. quasipneumoniae</i>	https://microreact.org/project/aER2kfzsHKbin1ZWBvwU3y-k-quasipneumoniae-phw-n11
<i>K. grimontii</i>	https://microreact.org/project/jfHhJfsHs244sxb6ZqNziA-k-grimontii-phw-n5

Supplementary Table 4. Conjugation frequencies determined from mating cultures comprising ST307 donor isolates harbouring a *bla*_{OXA-48-like}-encoding pOXA-48-like plasmid and a recipient *K. pneumoniae* or *E. coli* strain.
[Provided in Excel spreadsheet]