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Cairns, MD; Preston, MD; Lawley, TD; Clark, TG; Stabler, RA; Wren, BW (2015) Genomic epidemiology of a protracted hospital outbreak caused by a toxin A negative, *Clostridium difficile* sub-lineage PCR Ribotype 017 strain in London, England. *Journal of clinical microbiology*, 53 (10). pp. 3141-7. ISSN 0095-1137 DOI: 10.1128/JCM.00648-15

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DOI: [10.1128/JCM.00648-15](https://doi.org/10.1128/JCM.00648-15)

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- 1 **Supplementary Table 1:** Predicted coding sequences from the putative chromosomal
- 2 transposon exclusive to the cluster 1-UHL.

| <b>UHL-19</b>   | <b>Putative Product/Role/Function according to NCBI Blast and UniProt</b>  |
|-----------------|--|
| Data01.09_00455 | Uncharacterised protein  |
| Data01.09_00456 | Uncharacterised protein  |
| Data01.09_00457 | Soj (parA) protein (plasmid and chromosome partitioning)                   |
| Data01.09_00458 | Spo0J (parB) protein (plasmid and chromosome partitioning)                 |
| Data01.09_00459 | Collagen-binding Cna protein   |
| Data01.09_00460 | Uncharacterised protein  |
| Data01.09_00461 | RadA - ATP-dependent protein (DNA repair and degradation of proteins)      |
| Data01.09_00462 | Uncharacterised protein  |
| Data01.09_00463 | Superfamily II DNA and RNA helicase (RNA and DNA metabolism)               |
| Data01.09_00464 | Uncharacterised protein  |
| Data01.09_00465 | None   |
| Data01.09_00466 | Uncharacterised protein  |
| Data01.09_00467 | Uncharacterised protein  |
| Data01.09_00468 | Endonuclease relaxase (horizontal transfer of plasmid genetic information) |
| Data01.09_00469 | Uncharacterised protein  |
| Data01.09_00470 | Uncharacterised protein  |
| Data01.09_00471 | Conjugative transfer of transposon-like mobile genetic elements, Type IV   |
| Data01.09_00472 | Aspartyl/glutamyl – tRNA (Asn/Gln) (carbon-nitrogen ligase activity)       |
| Data01.09_00473 | Adenine-specific methyltransferase (macrolide resistance)                  |
| Data01.09_00474 | Uncharacterised protein  |
| Data01.09_00475 | Phd_YefM (antitoxins in type II toxin-antitoxin systems)                   |
| Data01.09_00476 | Plasmid stabilisation system protein                                       |
| Data01.09_00477 | Uncharacterised protein  |
| Data01.09_00478 | PrgI family protein (uncharacterised protein)                              |
| Data01.09_00479 | AAA-like domain protein (uncharacterised protein)                          |
| Data01.09_00480 | Modification methylase MboII (DNA methylation)                             |
| Data01.09_00481 | Uncharacterised protein  |
| Data01.09_00482 | Sortase B (surface protein attachment)                                     |
| Data01.09_00483 | Transglycosylase (enzymatic activity)                                      |
| Data01.09_00484 | MerR family transcriptional regulator (DNA binding)                        |
| Data01.09_00485 | Uncharacterised protein  |
| Data01.09_00486 | Uncharacterised protein  |
| Data01.09_00487 | Conjugative transposon protein (enzymatic activity)                        |
| Data01.09_00488 | Tetracycline resistance, transcriptional regulator                         |
| Data01.09_00489 | Iron-sulfur protein (4Fe-4S binding domain)                                |
| Data01.09_00490 | Multi antimicrobial extrusion protein (drug transportation)                |

|                 |  |
|-----------------|--|
| Data01.09_00491 | DNA binding, transcriptional regulator                                     |
| Data01.09_00492 | ABC transporter family protein (membrane transport)                        |
| Data01.09_00493 | ftsX-like permease family protein (membrane structure)                     |
| Data01.09_00494 | Two-component response regulator (uncharacterised protein)                 |
| Data01.09_00495 | Two-component sensor histidine kinase (environmental stimuli response)     |
| Data01.09_00496 | Cysteine-rich KTR (uncharacterised protein)                                |
| Data01.09_00497 | RNA polymerase ECF-type sigma factor (RNA transcription)                   |
| Data01.09_00498 | PemK family transcriptional regulator (cell growth regulation)             |
| Data01.09_00499 | Short C-terminal (SHOCT) domain (oligomerisation and nucleic acid binding) |