Table S4. Host range analysis of the phages examined in this study

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Ribotype | *C. difficile* isolates and origin | | Phages | |
| CDKM9 | CDKM15 |
| 001 | CD105HS23 | UK |  |  |
| CD105HS25 | UK |  |  |
| CD105HS24 | UK |  |  |
| CDNCTC11204 | UK |  |  |
| R4001 | UK |  |  |
| CD105KSE4 | Kurdistan |  |  |
| F7 | Kurdistan |  |  |
| CD105KSE3 | Kurdistan |  |  |
| F5 | Kurdistan |  |  |
| F2 | Kurdistan |  |  |
| F1 | Kurdistan |  |  |
| 002 | CD105HS17 | UK |  |  |
| 005 | CD105HS20 | UK |  |  |
| CD105HS10 | UK |  |  |
| 010 | CD105HS15 | UK |  |  |
| CD105HS16 | UK |  |  |
| CD105HS9 | UK |  |  |
| CD105LI07 | UK |  |  |
| CD105HS33 | UK |  |  |
| CD105HS14 | UK |  |  |
| CD105KSE9 | Kurdistan |  |  |
| M7 | Kurdistan |  |  |
| 011 | F9 | Kurdistan |  |  |
| CD105KSE6 | Kurdistan |  |  |
| 012 | CD630 | Switzerland |  |  |
| CD105HS1 | UK |  |  |
| 014 | CD105HS4 | UK |  |  |
| CD105HS42 | UK |  |  |
| 015 | CD105HS39 | UK |  |  |
| 014/020 | CD105LC27 | UK |  |  |
| CD105LC278 | UK |  |  |
| 027 | CD105LC1 | UK |  |  |
| CD017 | UK |  |  |
| CD105HS8 | UK |  |  |
| CD105LI02 | UK |  |  |
| BI-9 | USA |  |  |
| CD0027 | UK |  |  |
| CD196 | France |  |  |
| R20291 | UK |  |  |
| 16L | UK |  |  |
| 17L | UK |  |  |
| 7L | UK |  |  |
| 14L | UK |  |  |
| 28L | UK |  |  |
| 22L | UK |  |  |
| 15L | UK |  |  |
| 031 | CD105HS35 | UK |  |  |
| 035 | CD105KSE11 | Kurdistan |  |  |
| CD105KSE5 | Kurdistan |  |  |
| 076 | CD105HE1 | UK |  |  |
| 078 | CD105HS27 | UK |  |  |
| CD105HS26 | UK |  |  |
| CD105HS44 | UK |  |  |
| CD105LC22 | UK |  |  |
| CD105LC6 | UK |  |  |
| CD105LC23 | UK |  |  |
| CD105LC26 | UK |  |  |
| CD105LC9 | UK |  |  |
| M120 | UK |  |  |
| CD105LC24 | UK |  |  |
| CD105LC25 | UK |  |  |
| 085 | R8 | UK |  |  |
| 091 | CD105KSE1 | Kurdistan |  |  |
| CD105KSE12 | Kurdistan |  |  |
| CD105KSE13 | Kurdistan |  |  |
| CD105KSE14 | Kurdistan |  |  |
| CD105KSE2 | Kurdistan |  |  |
| CD105KSO10 | Kurdistan |  |  |
| 106 | CD106 | UK |  |  |
| R40V0106 | UK |  |  |
| R6106 | UK |  |  |
| CD105HS46 | UK |  |  |
| R39V106 | UK |  |  |
| 220 | CD105HS22 | UK |  |  |
| CD105HS6 | UK |  |  |
| CD105HS12 | UK |  |  |
| 604 | CD105KSO7 | Kurdistan |  |  |
| CD105KSO8 | Kurdistan |  |  |
| CD105KSO15 | Kurdistan |  |  |
| 691 | CD105KSE16 | Kurdistan |  |  |
| Total number of ribotypes = 20 | |  | 12 | 9 |
| Total number of bacterial isolates = 80 | |  | 25 | 20 |

Host range analysis was conducted by applying 10 µl of 108 PFU/ml of phage stocks on lawns of bacteria and incubated anaerobically at 37 oC for 24 h. Key: Black cells= clears, grey cells =turbid clearing, white cells = no clearing. In total, 22 Kurdistan isolates, XX UK isolates, and 1 isolate from each Switzerland, France and USA belonging to 20 ribotypes.