**TABLE 1 Demographics of CF patients with *P. aeruginosa* AUST-03**

|  |  |  |
| --- | --- | --- |
| Patient | P2 | P4 |
| Sex | Male | Female |
| Race | Black | White |
| Age | 16 | 8 |
| CFTR mutation | 3120+1G-A | ΔF508 |
| BMI | 19.3 | 14.1 |
| Co-morbidities | Asthma | Pancreatic insufficiency, Cystic fibrosis related diabetes |
| Lung status | Exacerbation | Exacerbation |
| Sputum collection date | 2019/07/23 | 2019/07/30 |

**TABLE 2 Phenotypic morphological and antibiotic susceptible characteristics of the *P. aeruginosa* AUST-03 study strains**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Strain** | **Morphology** | **Cefepime** | **Ceftazidime** | **Imipenem** | **Meropenem** | **Amikacin** | **Gentamicin** | **Tobramycin** | **Ciprofloxacin** | **Piperacillin/tazobactam** | **Aztreonam** | **Colistin** | **MDR\*** |
| **P2 JHB I** | Small round non-mucoid | S | S | S | S | S | I | S | R | S | S | I | Non-MDR |
| **P2 JHB II** | Small round non-mucoid | R | R | I | S | R | R | I | R | R | I | I | MDR |
| **P2 JHB III** | Small flat mucoid | R | S | I | S | I | R | I | R | S | S | I | MDR |
| **P2 JHB IV** | Small round non-mucoid | S | S | S | S | S | S | S | R | S | S | I | Non-MDR |
| **P2 JHB V** | Small flat mucoid | R | I | I | S | R | R | R | R | I | S | I | MDR |
| **P2 JHB VI** | Medium round mucoid | R | S | S | S | I | R | I | R | S | S | I | MDR |
| **P2 JHB VII** | Small/medium mucoid | R | S | S | S | I | R | S | R | S | S | I | MDR |
| **P2 JHB VIII** | Small/medium mucoid | R | I | R | S | I | R | I | R | S | S | I | MDR |
| **P2 JHB IX** | Small/medium mucoid | S | S | S | S | I | I | S | R | S | S | I | Non-MDR |
| **P2 JHB X** | Small flat mucoid | R | S | I | S | R | R | R | R | S | S | I | MDR |
| **P4-JHB-III** | Large non-mucoid | R | R | R | R | R | I | S | R | R | R | R | XDR |

**Abbreviations:** R, resistant; I, intermediate; S, susceptible; MDR, multidrug resistant; XDR, extensively drug resistant

\*MDR isolates were those displaying resistance to one or more anti-pseudomonal antibiotics in at least three or more antibiotic classes; XDR isolates were those displaying resistance to one or more anti-pseudomonal antibiotics in all but two or less antibiotic classes