**Table S1**: **Bacterial strains**

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| **Strains** | **Relevant features** | **Reference** |
| *P. aeruginosa* PAO1 strains |  |  |
| PAO1 | Wild-type, positive control strain | UWGS |
| ΔPA2077/77 | Tetr Cmr ΔPA2077 mutant carrying pMMB-77 | [3] |
| ΔPA2077/78 | Tetr Cmr ΔPA2077 mutant carrying pMMB-78 | [3] |
| ΔPA2078/77 | Tetr Cmr ΔPA2078 mutant carrying pMMB-77 | [3] |
| ΔPA2078/78 | Tetr Cmr ΔPA2078 mutant carrying pMMB-78 | [3] |
| ΔPA2077/77+78 | Tetr Cmr ΔPA2077 mutant carrying pMMB-77+78 | This work |
| ΔPA2078/77+78 | Tetr Cmr ΔPA2078 mutant carrying pMMB-77+78 | This work |
| *P. aeruginosa* KK strains | Isolated from a cystic fibrosis (CF) patient at different stages of disease |  |
| KK1,KK14, KK72 | Primo-colonization, 18 and 156 months later, respectively | [56] |