**Table S1**. Specific primers used for the amplification of resistance genes and MLST in clinical and environmental *S. maltophilia* strains.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Gene** | **Primer sequences 5’-3’** | **Amplified fragment (bp)** | **Description** | **Reference** |
| **Primers for amplification of resistance genes** |
| *qnr* | Smqnr-F: ACACAGAACGGCTGGACTGCSmqnr-R: TTCAACGACGTGGAGCTGT | 817 | Quinolone resistance protein | Malekan et al., 2017 |
| *intl1a* | SMintl-1F: GGTCAAGGATCTGGATTTGGSMintl-1R ACATGCGTGTAAATCATCGTC | 500 | Integrasa of integron class 1 | Ozkaya et al., 2014 |
| *intl2a* | SMintl-2F CACGGATATGCGACAAAAAGGTSMintl-2R GTAGCAAACGAGTGACGAAATG | 740 | Integrasa of integron class 2 | Ozkaya et al., 2014 |
| *intl3a* | SMintl-3F AGTGGGTGGCGAATGAGTG SMinti-3F TGTTCTTGTATCGGCAGGTG | 1166 | Integrasa of integron class 3 | Hu et al., 2016 |
| *sul1* | sul1-F TAGCGAGGGCTTTACTAAGCsul1-R ATTCAGAATGCCGAACACCG | 921 | Dihydropteroate synthase type I | Hu et al., 2016 |
| *sul2* | sul2-F CCTGTTTCGTCCGACACAGAsul2-R GAAGCGCAGCCGCAATTCAT | 437 | Dihydropteroate synthase type I | Hu et al., 2016 |
| **Primers for amplification of MLST** |
| *atpD* | atpD-F: ATGAGTCAGGGCAAGATCGTTCatpD-R: TCCTGCAGGACGCCCATTTC | 858 | H(+)-transporting two-sector ATPase | Kaiser et al., 2009 |
| *gapA* | gapA-F: GCATCGGGCGTAACGTCCTGCgapA-R: CTTCGCTCTGTGCCTTCACTTC | 768 | NAD-dependent glyceraldehyde-3-phosphate dehydrogenase | This study |
| *guaA* | guaA-F: AACGAAGAAAAGCGCTGGTAguaA-R: ACGGATGGCGGTAGACCAT | 704 | GMP synthase [glutamine-hydrolyzing] | Kaiser et al., 2009 |
| *mutM* | mutM-F: ATGCCTGAACTGCCCGAAGTCGmutM-R: GCTGGTAGCGTTCGCGCGAG | 592 | DNA-formamidopyrimidine glycosylase | This study |
| *nuoD* | nuoD-F: GCGCGTGATCTACGAACCGGTnuoD-R: GAAGTTCTCCAGGAAGTCCAGCAG | 531 | NADH dehydrogenase [ubiquinone] | This study |
| *ppsA* | ppsA-F: GCTGTTCACCCTGGACACCGAppsA-R: CGAAGTCGAAGGCACGTT | 887 | Pyruvate, water dikinase | This study |
| *recA* | recA-F: ATGGACGAGAACAAGAAGCGCrecA-R: GGTGATGACCTGCTTGAACG | 807 | RecA protein | Kaiser et al., 2009 |

a Only genes for the specific integrase were included, not for the integron variable region.