**Supplementary Tables**

**Table S1.** Details of all the complete genomes of *M. marinum* used for the analysis in this study.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Assembly Accession** | **Genome Size (Bp)** | **Organism Infraspecific Names Strain** | **Assembly Release Date** | **Assembly Stats Number of Scaffolds** | **Isolated Species** |
| GCA\_000723425.2 | 6,336,293  | E11 | 7/2/2015  | 2 | Fish |
| GCA\_003391395.1 | 6,453,310  | CCUG20998 | 8/15/2018  | 1 | Fish |
| GCA\_003391415.1 | 6,467,35 | 1218R | 8/15/2018  | 1 | Fish |
| GCA\_028583325.1 | 6,393,732  | H01 | 2/10/2023  | 2 | Fish |
| GCA\_028451225.2 | 6,393,703  | 050012 | 3/10/2023  | 1 | Human |
| GCA\_016745295.1 | 6,321,947  | MMA1 | 1/22/2021  | 1 | Human |
| GCA\_000018345.1 | 6,636,827  | M | 4/15/2008  | 2 | Human |
| GCA\_003609695.1 | 6,451,936  | ATCC 927 | 2/7/2018  | 2 | Fish |

**Table 2.** Differential genes and their characteristic SNPs in the *M. marinum* genomes.

|  |  |  |
| --- | --- | --- |
| **Genes** | **Annotation** | **Position, SNPs unique for *Mycobacterium marinum*** |
| *gyrA* | DNA gyrase subunit A | 173 A > C/G, 356 A > C/T, 480 A > C/G,627 G > A/C, 642 G > C/T,837 G > C/T, 1162 A > C/G,1215 T > C/G, 1278 G > C/T,1404 T > C/G, 1415 T > A/C,1471 A > C/T, 1677 A > C/G,1941 T > A/G, 1968 C > G/T, |
| *ftsW* | putative lipid II flippase FtsW | 51 T > C/G, 99 T > A/G, 267 C > A/G, 651 A > C/T, 699 G > C/A, 761 T > C/G, 787 G > C/A, 852 C > A/G, 915 C > A/G, 984 C > A/G, 1245 C > A/G, 1314 A > C/G,  |
| dnaK | chaperone protein | 195 T > -/C858 G > T/C930 C > T/G1010 A > G/C1101 T > G/C1224 G > T/-1242 A > G/C1311 G > A/C1323 T > G/C1681 G > T/C |
| *recF* | DNA replication and repair protein RecF | 453 T > G/C,1026 C > G/T,1029 G > A/C, |