

Supplemental Table showing the Results of Blast Searches with two representative CSPs specific for the Genus *Mycobacteriodes* identified by Gupta et al. (Front. Microbiol.2018, 9, 67)  
<https://www.frontiersin.org/articles/10.3389/fmicb.2018.00067/full>

Methods: The blast searches were carried out using the amino acid sequences of these CSPs against the NCBI nr database using default settings, except the total number of hits examined were 500. All of the observed hits are shown here.

\*\*\*\*\*  
Results of Blast Search with the Gupta et al. *Mycobacteriodes* specific CSP-1 (Accession number YP\_001700942.1)  
\*\*\*\*\*

| Name                          | Accession Number | E Value   | Length |
|-------------------------------|------------------|-----------|--------|
| Mycobacteriodes abscessus     | YP_001700942.1   | 1.193e-36 | 60     |
| Mycobacteriodes abscessus V06 | gb               | 1.209e-36 | 63     |
| Mycobacteriodes abscessus 4S- | gb               | 2.275e-36 | 74     |
| Mycobacteriodes abscessus     | EIT93232.1       | 4.712e-36 | 60     |
| Mycobacteriodes abscessus     | AWG62677.1       | 1.098e-35 | 60     |
| Mycobacteriodes immunogenum   | OAT67891.1       | 3.188e-35 | 60     |
| Mycobacteriodes franklinii    | NGX05834.1       | 8.200e-35 | 60     |
| Mycobacteriodes immunogenum   | AMT73449.1       | 9.776e-35 | 60     |
| Mycobacteriodes saopaulense   | OHT83077.1       | 3.776e-34 | 60     |
| Mycobacteriodes franklinii    | ref              | 4.674e-33 | 60     |
| unclassified Mycobacterium    | ref              | 1.202e-32 | 60     |
| Mycobacteriodes sp. LB1       | MBA0047487.1     | 2.681e-32 | 60     |
| unclassified Mycobacteriodes  | MUM17996.1       | 3.810e-32 | 60     |
| Mycobacteriodes chelonae      | MBB4853815.1     | 4.115e-32 | 60     |
| Mycobacteriodes abscessus     | ref              | 5.360e-30 | 54     |
| Mycobacteriodes franklinii    | ORA56897.1       | 7.513e-30 | 60     |
| unclassified Mycobacterium    | ref              | 1.441e-19 | 55     |
| Mycobacteriodes salmoniphilum | TEA02812.1       | 2.285e-19 | 55     |
| Mycobacteriodes salmoniphilum | TDZ87156.1       | 1.148e-18 | 55     |
| Mycobacteriodes salmoniphilum | QCH21936.1       | 1.148e-18 | 55     |
| Mycobacterium sp. D16R12      | ref              | 1.495e-18 | 55     |
| Mycobacteriodes salmoniphilum | TEA02004.1       | 2.244e-18 | 55     |
| [Mycobacterium                | BAX95537.1       | 2.875e-15 | 53     |
| Mycobacteriodes chelonae      | VEG14344.1       | 3.316e-15 | 53     |
| Mycobacteriodes chelonae      | ref              | 3.515e-14 | 67     |
| Mycobacteriodes chelonae      | AYM40303.1       | 5.088e-14 | 66     |
| Mycobacterium sp. QIA-37      | gb               | 5.103e-14 | 53     |
| Mycobacterium sp. QIA-37      | ref              | 5.160e-14 | 67     |
| Mycobacteriodes abscessus sub | emb              | 5.332e-14 | 53     |
| Mycobacteriaceae              | ref              | 5.696e-14 | 67     |
| Mycobacteriodes               | ref              | 6.356e-14 | 67     |
| Mycobacteriodes chelonae      | ref              | 8.453e-14 | 67     |
| Mycobacteriodes               | ref              | 1.512e-13 | 67     |
| Mycobacteriodes chelonae      | QDF68912.1       | 1.802e-13 | 67     |
| Mycobacteriodes chelonae      | ref              | 2.033e-13 | 67     |
| Methylobacterium sp. Leaf104  | gb               | 4.592e+00 | 630    |
| Methylobacterium sp. Leaf104  | ref              | 4.638e+00 | 631    |
| Ferrimonas kyonanensis        | ref              | 6.201e+00 | 401    |

Significant Blast hits

Non-significant hits

\*\*\*\*\*  
Results of Blast Search with the Gupta et al. *Mycobacteriodes* specific CSP-2 (Accession number YP\_001701128.1)  
\*\*\*\*\*

| Name                          | Accession Number | Expect Value | Length |
|-------------------------------|------------------|--------------|--------|
| Mycobacteriodes abscessus     | YP_001701128.1   | 8.072e-62    | 99     |
| Mycobacteriodes abscessus sub | SIJ52340.1       | 1.784e-61    | 116    |
| Mycobacteriodes abscessus     | SHT48591.1       | 3.401e-61    | 99     |
| Mycobacteriodes abscessus     | SKD89683.1       | 3.554e-61    | 99     |
| Mycobacteriodes abscessus     | AMU23513.1       | 6.718e-61    | 99     |
| Mycobacteriodes abscessus sub | SKU31053.1       | 9.843e-61    | 174    |
| Mycobacteriodes abscessus     | CPW61943.1       | 1.708e-60    | 99     |
| Mycobacteriodes abscessus     | CPU46892.1       | 2.374e-60    | 99     |
| Mycobacteriodes abscessus     | SLF85775.1       | 3.525e-60    | 99     |
| Mycobacteriodes abscessus     | ref              | 1.630e-59    | 96     |
| Mycobacteriodes saopaulense   | ALR10379.1       | 2.025e-58    | 99     |
| Mycobacteriodes immunogenum   | OAT67911.1       | 1.113e-56    | 99     |
| Mycobacteriodes immunogenum   | AMT73489.1       | 9.262e-56    | 99     |
| Mycobacteriodes franklinii    | NGX06082.1       | 3.573e-55    | 99     |
| Mycobacteriaceae              | SKL47766.1       | 2.234e-54    | 99     |
| Mycobacteriodes chelonae      | MBB4856431.1     | 5.317e-54    | 99     |
| [Mycobacterium                | BAX95680.1       | 1.159e-53    | 99     |
| Mycobacteriodes sp. LB1       | MBA0047638.1     | 9.535e-53    | 99     |
| Mycobacteriaceae              | QCH22092.1       | 1.388e-51    | 99     |
| Mycobacteriodes salmoniphilum | TEA02162.1       | 8.122e-51    | 99     |
| unclassified Mycobacterium    | ref              | 1.080e-50    | 99     |
| Mycobacterium sp. D16R12      | ref              | 1.661e-49    | 99     |
| Mycobacteriodes salmoniphilum | TDZ80413.1       | 1.936e-49    | 99     |
| Mycobacteriaceae              | TDZ98444.1       | 1.411e-48    | 99     |
| unclassified Mycobacteriodes  | MUM19679.1       | 7.645e-48    | 99     |
| Mycobacteriodes abscessus     | RIS96392.1       | 8.392e-48    | 81     |
| Mycobacteriodes salmoniphilum | TDZ94980.1       | 8.532e-48    | 99     |
| Mycobacteriodes abscessus     | emb              | 8.006e-47    | 115    |
| Mycobacteriodes abscessus     | gb               | 6.032e-32    | 79     |
| Mycobacteriodes abscessus sub | emb              | 2.294e-31    | 77     |
| Streptomyces sp.              | gb               | 4.512e-01    | 297    |
| Streptomyces sp.              | gb               | 6.285e-01    | 247    |
| Streptomyces sp. CB02923      | OKI01217.1       | 2.363e+00    | 107    |
| Streptomyces sp. NRRL F-5755  | KOU05503.1       | 2.707e+00    | 107    |
| Rhodomicrobium udaipurense    | KAI95151.1       | 2.782e+00    | 651    |
| Rhodomicrobium vanniellii     | ADP71390.1       | 3.118e+00    | 720    |
| Streptomyces albus            | KWT60096.1       | 4.714e+00    | 107    |
| Rhodomicrobium lacus          | ref              | 5.432e+00    | 720    |
| Alphaproteobacteria bacterium | gb               | 5.564e+00    | 130    |
| Streptomyces rimosus          | ref              | 6.316e+00    | 107    |
| Gammaproteobacteria bacterium | tpg              | 7.341e+00    | 713    |
| Gammaproteobacteria bacterium | gb               | 9.422e+00    | 147    |

Significant Blast hits

Non-significant hits