**Additional File 1. Primers and PCR conditions for species level identification of Mycobacteria.**

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| **Gene** | **PCR Round** | **Primer Name** | **Primer Sequence** | **PCR Conditions** | **Size** |
| **16s** | 1 | Mycob For | 5’-ATG CAA GTC GAA CGG AAA GG-3’ | 1x - 94°C (5 min)  40x - 94°C (30 sec), 55°C (1 min), 72°C (1 min)  1x - 72°C (1 min) | 994bp |
| Mycob Rev | 5’-ACG TGT GTC CGG TGT TCC CT-3’ |
| 2 | MycobNest For | 5’-GAG TGG CGA ACG GGT GAG T-3’ | 1x - 94°C (5 min)  40x - 94°C (30 sec), 52°C (1 min), 72°C (1 min)  1x - 72°C (1 min) | 912bp |
| MycobNest Rev | 5’-CGT ACA GTT TGG GTC CAT TCC A-3’ |
| **rpoB** | 1 | rpoB For | 5’-CGA CCA CTT CGG CAA CCG-3’ | 1x - 94°C (5 min)  40x - 94°C (30 sec), 57°C (1 min), 72°C (1 min)  1x - 72°C (1 min) | 351bp |
| rpoB Rev | 5’-AGC TAG CCC GTG TAG GCC-3’ |
| 2 | rpoB  Nest For | 5’-CAC TTC GGC AAC CGC CGC C-3’ | 1x - 94°C (5 min)  40x - 94°C (30 sec), 59°C (1 min), 72°C (1 min)  1x - 72°C (1 min) | 339bp |
| rpoB  Nest Rev | 5’-CGT GAG GCC GGC ATC AC-3’ |  |