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- **DNA** **(1388)** **.273-259** **12** **596**
  
- **Multiplex PCR** **(1386)** **5-3** **596**
  
- **rRNA 12S** **16S rRNA** **DNA** **(1386)** **5-3** **498**
  
- **DNA** **b** **(1386)** **482** **5-3**
  
- **(1387)** **348** **3-1** **RFLP-PCR**
  
- **(1387)** **DNA** **PCR** **180** **3-1**

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- 0 0000 00000 .0 00000000 .0 0000000000 .0 000000 .0 0 00000000000 .0 .0 00000000 .0 0.0 00000000 000000 0 0000000 00000 00 0000000 0000 0000000 00000000 00000000 0 000000000 .(1386) .000000 .0 0000000 00000 00000 0000 0000 0000000 0000000 .b-Cytochrome 0000000 00 0000000000 00 000000 0 0000 .294 0 .000000 000000 00000 25-24
- 000000 .(1388) .000000 .0 0 000000 .0 00000000 .0 00000000 .0 00000 00000000 .0 0.0 00000000 .000000 0000000 00000000 00 SSCP-PCR 0000 00 (CVM) 000000 00000 0000000000 00000000 00000000 .1227 0 .000000 00000000 00000000 24-22 0000000000000000 0000 0000000000 00000000
- .(1388) .000000 .0 0 000000 .0 00000000 .0 00000000 .0 00000 00000000 .0 00000000 .0 0.0 00000000 0000 00 (DUMPs) 0000000 000000000000 0000000000 0000000 00 0000 00000000 00000000 0000000 0000000 PCR-RFLP 00 00000000 00000 0000000 000000 . .000000 0000000000 0000 0000000000000000 24-22 .1249 0 .000000 00000000 00000000
- 00000000 0000000 .(1388) .000000 .0 0 000000 .0 0000000 000000 .0 00000 00000000 .0 0.0 00000000 0000 00 0000000 0000000 00000 00000 00000000 00 (BLAD )00000 00000000000 0000000000 0000 00000000 0 00000000 00000000 00000000 00000000 24-22 0000000000000000 0000 0000000000 00000000 .-PCR RFLP 0000 1237.
- 00000000 0 000000000 .(1388) .000000 .0 0 000000000 .0 00000000 .0 .0 00000000 .0 .0 0.0 00000000 .PCR specific-Species 00 0000000000 00 0000000 000000 00000 0000 0000000000 00 0000000 0000 00000 .1229 0 .000000 00000000 00000000 24-22 0000000000000000 0000 0000000000 00000000
- 0 00000 000000 .(1388) .000000 .0 0 000000000 .0 00000000 .0 .0 00000000 .0 .0 0.0 00000000 .000000000000 DNA 00000000 00 0000000000 00 0000000 0000000 0000 0000000000 00 000000 00000 00000000 .1230 0 .000000 00000000 00000000 24-22 0000000000000000 0000 0000000000 00000000
- 00 00000000 000000 000000 .(1388) .000000 .0 0 000000 .0 00000 00000000 .0 0.0 00000000 0000 0000000000 00000000 .mtDNA 0 RAPD 00000000 0000 00 00000 00000000 0000000 000000 0000 00000000000 .1286 0 .000000 00000000 00000000 24-22 0000000000000000
- 00000000 00000 000000 .(1388) .000000 .0 0 000000 .0 00000000 .0 00000000 .0 0 .0 000000000 Mycobacterium avium subsp. paratuberculosis 00 0000000 0000 00000 0000000 IS1311 00 0000 PCR-REA. 0000000 0000000000 0000 0000000000000000 24-22 00000000 00000000 00000000 .0 1299.

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- .000000 .0 0 000000 .0 0000000 000 .0 .0 00000000 .0 000000 .0 0 .0 0000000 000000000 .STR 0000000 6 00 00000000 00 0000000 000 3 00 0000000 0000 000000 .(1389) .128 0 .000000 0000000 0000000 3-1 0000000 000000 000000

- .0 0 000000 .0 0000000 .0 0000000 .0 0 0000000 .0 00000000 .0 000000 .0 0 .0 0000000 0000000 6 00 00000000 00 000000 0000 000 0000000 000 0000 0000000 .(1389) .00000000 .129 0 .000000 0000000 0000000 3-1 0000000 000000 000000 0000000000 .00000000000

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