

Table 2: 5'-16S rDNA and ITS RIDOM or GenBank similarity search best matches with non-valid named mycobacterial GenBank entries or newly determined sequences from non-valid named culture collection strains

Species	Culture collection or [GenBank Accession]	Result	rDNA
"M. acapulcensis"	ATCC 14473 / 1961 ^a	97% similarity search match with RIDOM entry <i>M. thermoresistibile</i> DSM 44167 (T); most probably a new species	16S
"M. album" ^b	DSM 43970 / 1987	100% similarity search match with GenBank sequences from <i>Rhodococcus chubuensis</i> [X80627] and <i>Gordonia sputi</i> [X81927]; most probably not a mycobacterial species	16S
"M. anthracenicum"	[Y15709] / 1997 ^c	99.5% similarity search match with RIDOM entry <i>M. porcinum</i> DSM 44242 (T); probably not a new species	16S
"M. borstelense" subsp. "niacinogenes"	DSM 43489 (ATCC 19540) ^d / 1965	100% similarity search match with RIDOM entry <i>M. chelonae</i> DSM 43804 (T); most probably not a new species	16S
"M. buckleii"	[AF000225] / 1997	100 % similarity search match with RIDOM entry <i>M. hassiacum</i> DSM 44199 (T); most probably not a new species	16S
"M. canettii"	[AJ007315] / 1998	99.7% similarity search match with GenBank entry <i>M. tuberculosis</i> [AJ131120]; "M. canettii" is recognized as a smooth variant of <i>M. tuberculosis</i>	16S
"M. columbarii"	[AJ001220] / 1997	99.0% similarity search match with RIDOM entry <i>M. triplex</i> ATCC 700071 (T); probably not a new species	16S
<i>M. doricum</i>	[AF264700] / 2000	98.4% similarity search match with GenBank entry "M. monacense" [AF107039]; probably a new species; this species was recently validly published [62]	16S
<i>M. elephantis</i>	[AJ010747] / 1998	99.3% similarity search match with RIDOM entry <i>M. pulveris</i> DSM 44222 (T); probably not a new species; this species was recently validly published [57], type strain is DSM 44368	16S
"M. engbackii"	ATCC 27353 / 1972	99.8% similarity search match with RIDOM entry <i>M. hiberniae</i> DSM 44241 (T); most probably not a new species	16S
"M. fluoroanthenvivorans"	DSM 44346 / 1999	97.2% similarity search match with RIDOM entry <i>M. neoaurum</i> DSM 44074 (T); most probably a new species	16S
"M. gallinarum"	ATCC 19710 / 1967	100% similarity search match with RIDOM entry <i>M. vaccae</i> DSM 43292 (T); most probably not a new species	16S
"M. habana"	[X74056] / 1993	99.6% similarity search match with GenBank entry <i>M. simiae</i> [AB026694]; probably not a new species	ITS
<i>M. immunogenum</i>	[AJ011771] / 1998	98.0% similarity search match with RIDOM entry <i>M. chelonae</i> DSM 43804 (T), probably a new species; this species was recently validly published [63]	16S
"M. isoniacini"	[X80768] / 1994	99.0% similarity search match with RIDOM entry <i>M. hodleri</i> DSM 44183 (T); probably not a new species	16S
<i>M. kubicae</i>	[AF133902] / 1999	97.0% similarity search match with RIDOM entry <i>M. genavense</i> Wue Tb 0268/96; most probably a new species; this species was recently validly published [64], type strain is ATCC 700732	16S
"M. lacticola"	DSM 43270 (ATCC 12297) / 1962	99.8% similarity search match with RIDOM entry <i>M. neoaurum</i> DSM 44074 (T); probably not a new species	16S

"M. lactis"	ATCC 27356 / 1972	100% similarity search match with RIDOM entry <i>M. hiberniae</i> DSM 44241 (T); most probably not a new species	16S
"M. lufu"	[X74055] / 1994	93.9% similarity search match with GenBank entry <i>M. avium</i> complex [L07847]; probably a new species	ITS
"M. monacense"	[AF107039] / 1998	98.4% similarity search match with GenBank entry <i>M. doricum</i> [AF264700] and 97.4% similarity search match with RIDOM entry <i>M. austro-africanum</i> DSM 44191 (T); probably a new species	16S
"M. paraffinicum"	DSM 44181 (ATCC 12670) / 1956	98.9% similarity search match with RIDOM entry <i>M. scrofulaceum</i> DSM 43992 (T); probably a new species	16S
"M. petroleophilum"	DSM 44182 (ATCC 21497) / 1975	97.7% similarity search match with RIDOM entry <i>M. sphagni</i> ATCC 33027 (T); most probably a new species	16S
"M. ratisbonense"	[AF055331] / 1998	100% similarity search match with RIDOM entry <i>M. mucogenicum</i> DSM 49650 (T); most probably not a new species	16S
"M. runyonii"	DSM 43282 (ATCC 14472) / 1961	100% similarity search match with RIDOM entries <i>M. septicum</i> DSM 44393 (T) and <i>M. peregrinum</i> ATCC 14467 (T); most probably not a new species	16S
"M. shinshuense"	ATCC 33728 / 1982	99.8% similarity search match with RIDOM entries <i>M. ulcerans</i> ATCC 19423 (T) and <i>M. marinum</i> DSM 44344 (T); most probably not a new species	16S
"M. sydneyensis"	[AF101243] / 1998	100% similarity search match with RIDOM entry <i>M. heckeshornense</i> Bo 7644/99; most probably not a new species	16S
"M. tilburgii"	[Z50172] / 1995	98.4% similarity search match with RIDOM entry <i>M. simiae</i> 44165 (T); probably a new species	16S
"M. tomidae"	DSM 43993 (ATCC 23069) / 1978	100% similarity search match with RIDOM entry <i>M. neoaurum</i> DSM 44074 (T); most probably not a new species	16S
"M. valentiale"	ATCC 29356 / 1978	100% similarity search match with RIDOM entry <i>M. duvalii</i> DSM 44244 (T); most probably not a new species	16S

^a Culture collection reference year.

^b Partial 16S rDNA sequence not identical with "M. album" ATCC 29676 and 29677 (C. Turenne, personal communication).

^c GenBank submission year.

^d (Culture collection number), identical strain in another culture collection.