

**Table 7. Signature proteins specific for *Mycobacterium* and *Nocardia*.
Gao, B., Parmanathan, R. and Gupta, R.S. (2006) *Antonie van Leeuwenhoek*, 90(1):69-91.**

Protein	ML0071 [NP_301179]	ML0319 [NP_301346]	ML0520 [NP_301445]	ML0557 [NP_301471]	ML0614 [NP_301514]	ML0984 [NP_301729]	ML1115 [NP_301812]
Length	177 aa	183 aa	202 aa	238 aa	95 aa	164 aa	188 aa
Possible function	Unknown	LpqE	Unknown	LprG	Unknown	Unknown	Unknown
<i>Mycobacterium leprae</i>	2e-98 (177)	5e-97 (183)	9e-98 (202)	2e-115 (238)	2e-49 (95)	5e-90 (164)	e-106 (188)
<i>Mycobacterium tuberculosis</i>	8e-95 (177)	1e-56 (182)	3e-56 (230)	6e-76 (236)	8e-18 (67)	4e-33 (149)	5e-83 (185)
<i>Mycobacterium avium</i>	2e-94 (177)	8e-65 (188)	2e-57 (223)	6e-82 (235)	2e-17 (67)	1e-37 (143)	4e-82 (185)
<i>Mycobacterium bovis</i>	8e-95 (177)	1e-56 (182)	3e-56 (230)	6e-76 (236)	8e-18 (67)	4e-33 (149)	4e-83 (185)
<i>Nocardia farcinica</i>	4e-79 (176)	2e-14 (232)	1e-14 (159)	2e-23 (268)	0.007 (85)	2e-11 (139)	2e-15 (177)
Non-Myco & Nocarida	0.99 (442)	0.020 (189)	0.36 (580)	See note 1	2.6 (2659)	0.019 (127)	1.2 (973)
	<i>Aspergillus nidulans</i>	<i>Corynebacterium glutamicum</i>	<i>Leishmania major</i>		<i>Pyrobaculum aerophilum</i>	<i>Erwinia carotovora</i>	<i>Anaplasma marginale</i>
Protein	ML1116 [NP_301813]	ML1182 [NP_301862]	ML1380 [NP_301981]	ML1991 [NP_302342]	ML2141 [NP_302412]	ML2349 [NP_302528]	ML2463 [NP_302596]
Length	187aa	421 aa	187 aa	468 aa	91 aa	423 aa	264 aa
Possible function	LprC	PPE	Unknown	PPE	Unknown	Unknown	Unknown
<i>Mycobacterium leprae</i>	2e-93 (187)	0 (421)	8e-92 (187)	0 (468)	1e-35 (91)	0 (423)	2e-153 (264)
<i>Mycobacterium tuberculosis</i>	3e-77 (180)	5e-70 (396)	3e-74 (187)	e-118 (463)	2e-24 (91)	0 (422)	2e-138 (264)
<i>Mycobacterium avium</i>	1e-80 (189)	2e-42 (395)	2e-71 (186)	9e-55 (493)	1e-14 (91)	---	3e-138 (264)
<i>Mycobacterium bovis</i>	3e-77 (180)	8e-68 (396)	3e-74 (187)	e-118 (463)	2e-24 (91)	0 (422)	2e-138 (264)
<i>Nocardia farcinica</i>	4e-21 (190)	2e-09 (385)	2e-12 (376)	2e-06 (385)	2e-04 (79)	4e-41 (417)	5e-53 (243)
Non-Myco & Nocarida	7.4 (1144)	2e-05 (675)	0.18 (857)	1.7 (814)	2.5 (447)	2e-5 (15281)	3e-04 (250)
	<i>Trypanosoma cruzi</i>	<i>Dissostichus mawsoni</i>	<i>Thiobacillus denitrificans</i>	<i>Mus musculus</i>	<i>Brevibacterium linens</i>	<i>Tolypocladium inflatum</i>	<i>Streptococcus pyogenes</i> 78/181 (43%)

Note 1: A low scoring homologue to ML0557 is also found in *Nocardioidea* sp. JS614 with E-value of 1e-09 (283 aa) [ZP_00659609], and *Chloroflexus aurantiacus* J-10-fl with E-value of 1e-07 (240 aa) [EAO59897]; the next non-actinobacterial hit is *Cytophaga hutchinsonii* with E-value of 0.003 (3828 aa).