

Table 6. CMN subgroup-specific proteins.
Gao, B., Parmanathan, R. and Gupta, R.S. (2006) Antonie van Leeuwenhoek, 90(1):69-91.

Protein	ML0054 [NP_301167]	ML0096 [NP_301194]	ML0099 [NP_301197]	ML0104 ² [NP_301201]	ML0105 ² [NP_301202]	ML0106 ² [NP_301203]	ML0107 [NP_301204]
Length	481 aa	649 aa	336 aa	1083 aa	1111 aa	1070 aa	632 aa
Possible function	Unknown	Membrane protein	Unknown	EmbB	EmbA	EmbC	Unknown
<i>Mycobacterium leprae</i>	0 (481)	0 (649)	6e-180 (336)	0 (1083)	0 (1111)	0 (1070)	0 (632)
<i>Mycobacterium tuberculosis</i>	0 (480)	0 (641)	3e-135 (336)	0 (1098)	0 (1094)	0 (1094)	0 (643)
<i>Mycobacterium avium</i>	4e-68 (495)	0 (639)	2e-136 (336)	0 (1065)	0 (1108)	0 (1091)	0 (697)
<i>Mycobacterium bovis</i>	0 (480)	0 (627)	3e-135 (336)	0 (1098)	0 (1094)	0 (1094)	0 (643)
<i>Nocardia farcinica</i>	3e-68 (495)	e-136 (647)	4e-75 (325)	0 (1080)	0 (1080)	0 (1081)	e-161 (700)
<i>Corynebacterium glutamicum</i>	5e-18 (419)	5e-75 (686)	3e-53 (309)	0 (1157)	5e-141 (1157)	0 (1157)	1e-82 (677)
<i>Corynebacterium efficiens</i>	4e-17 (451)	2e-80 (676)	2e-50 (306)	0 (1157)	2e-130 (1157)	0 (1157)	1e-86 (703)
<i>Corynebacterium diphtheriae</i>	6e-20 (432)	5e-68 (562)	1e-50 (303)	7e-173 (1141)	3e-118 (1141)	e-169 (1141)	4e-79 (694)
<i>Corynebacterium jeikeium</i>	4e-17 (431)	---	3e-52 (310)	2e-176 (1154)	1e-130 (1154)	0 (1154)	4e-74 (681)
Non-CMN	0.027 (508)		0.003 (227)	0.27 (670)	0.21 (316)	1.7 (264)	0.25 (608)
	<i>Streptomyces coelicolor</i>	See note 1	<i>Neurospora crassa</i>	<i>Ictalurid herpesvirus</i>	<i>Caenorhabditis briggsae</i>	<i>Anaeromyxobacter dehalogenans</i>	<i>Polaromona sp.</i>
Protein	ML0281 [NP_301322]	ML0703 [NP_301560]	ML0810 [NP_301617]	ML0990 [NP_301735]	ML1077 [NP_301790]	ML1270 [NP_301915]	
Length	229 aa	423 aa	407 aa	209 aa	139 aa	265 aa	
Possible function	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	
<i>Mycobacterium leprae</i>	3e-97 (229)	0 (423)	3e-180 (407)	3e-95 (209)	4e-75 (139)	2e-146 (265)	
<i>Mycobacterium tuberculosis</i>	2e-48 (215)	8e-176 (420)	4e-145 (407)	2e-58 (204)	8e-50 (154)	3e-73 (235)	
<i>Mycobacterium avium</i>	1e-44 (231)	2e-167 (437)	7e-131 (408)	7e-51 (202)	2e-47 (133)	5e-48 (143)	
<i>Mycobacterium bovis</i>	2e-48 (215)	8e-176 (420)	1e-144 (407)	2e-58 (204)	8e-50 (154)	3e-73 (235)	
<i>Nocardia farcinica</i>	1e-24 (224)	1e-108 (414)	7e-47 (409)	4e-31 (248)	4e-20 (159)	9e-20 (240)	
<i>Corynebacterium glutamicum</i>	5e-05 (256)	9e-60 (409)	1e-25 (400)	6e-05 (243)	6e-05 (164)	1e-11 (219)	
<i>Corynebacterium efficiens</i>	1e-06 (308)	1e-57 (409)	1e-23 (401)	2e-04 (251)	4e-04 (125)	1e-15 (221)	
<i>Corynebacterium diphtheriae</i>	6e-04 (243)	7e-60 (410)	4e-15 (420)	1e-06 (212)	6e-12 (137)	8e-10 (191)	
<i>Corynebacterium jeikeium</i>	6e-04 (297)	2e-59 (420)	3e-16 (434)	1e-06 (243)	8e-05 (122)	3e-12 (244)	
Non-CMN	8.9 (654)	6.3 (1807)	0.41 (967)	4.3 (271)	1e-04 (574)	7e-04 (222)	
	<i>Pan troglodytes</i>	<i>Trypanosoma brucei</i>	<i>Homo sapiens</i>	<i>Desulfovibrio vulgaris</i>	<i>Mus musculus</i>	<i>Pseudomonas putida</i> 68/138 (49%)	

Note 1: Low scoring homologues with E-value of 5e-10 (605 aa) [NP_712164] and 1e-09 (605 aa) [YP_001868] are also present in *Leptospira interrogans* serovar Lai and *L. interrogans* serovar Copenhageni, respectively; the next non-actinobacterial hit is *Oryza sativa* with E-value of 0.15 (880 aa).

Note 2: ML0104, ML0105 and ML0106 are paralogous proteins and the genomes of *Corynebacterium* species possess only one copy of this gene.