

**Table 4. Signature proteins which are mainly present in CMN subgroup, *Streptomyces*, *Thermobifida*, and *Frankia* but not found in *Bifidobacterium* and *Micrococcineae*.
Gao, B., Parmanathan, R. and Gupta, R.S. (2006) *Antonie van Leeuwenhoek*, 90(1):69-91.**

Protein	ML0591 [NP_301500]	ML1544 [NP_302075]	ML2435 [NP_302579]	Tfu_2483 [YP_290539]	ML2473 [NP_302601]	ML2570 [NP_302647]	ML2705 [NP_302726]	Proteins showing similar specificity
Length	593 aa	506 aa	277 aa	150 aa	159 aa	1405 aa	259 aa	
Possible function	Unknown	Unknown	Unknown	Unknown	Unknown	Coagulation factor	Unknown	
<i>Mycobacterium leprae</i>	0 (593)	0 (506)	e-158 (277)	---	1e-83 (159)	0 (1405)	2e-136 (259)	
<i>Mycobacterium tuberculosis</i>	0 (591)	0 (506)	e-127 (296)	2e-18 (169)	2e-74 (166)	0 (1400)	3e-95 (244)	ML2199 [NP_302441]
<i>Mycobacterium avium</i>	0 (567)	0 (505)	e-128 (267)	5e-18 (170)	1e-74 (173)	0 (1393)	8e-99 (250)	
<i>Mycobacterium bovis</i>	0 (591)	0 (506)	e-127 (296)	2e-18 (169)	2e-74 (173)	0 (1400)	3e-95 (244)	
<i>Nocardia farcinica</i>	e-118 (538)	3e-78 (495)	2e-94 (286)	6e-13 (169)	5e-56 (179)	0 (1377)	5e-50 (255)	ML2289 [NP_302489]
<i>Corynebacterium glutamicum</i>	3e-61 (602)	6e-17 (419)	4e-57 (301)	7e-12 (168)	8e-27 (164)	1e-93 (1007)	6e-19 (206)	
<i>Corynebacterium efficiens</i>	1e-73 (590)	3e-14 (451)	6e-52 (324)	2e-14 (168)	2e-29 (161)	3e-96 (1003)	2e-19 (222)	ML2581 [NP_302650]
<i>Corynebacterium diphtheriae</i>	4e-60 (520)	5e-16 (432)	3e-50 (289)	1e-11 (168)	2e-27 (150)	6e-90 (1025)	---	
<i>Corynebacterium jeikeium</i>	2e-69 (579)	1e-14 (431)	1e-62 (318)	1e-13 (168)	3e-31 (175)	4e-112 (1199)	7e-16 (311)	Tfu_0540 [YP_288601]
<i>Streptomyces avermitilis</i>	3e-38 (466)	2e-09 (507)	4e-60 (289)	3e-24 (171)	---	1e-102 (1514)	3e-33 (205)	
<i>Streptomyces coelicolor</i>	---	4e-07 (508)	4e-59 (271)	1e-25 (167)	---	---	1e-33 (205)	
<i>Frankia sp. Ccl3</i>	3e-22 (654)	---	---	5e-79 (150)	3e-06 (163)	1e-108 (1403)	8e-35 (212)	
<i>Frankia sp. EAN1pec</i>	3e-20 (681)	---	---	---	9e-05 (161)	---	5e-35 (212)	
<i>Thermobifida fusca</i>	---	---	---	2e-12 (118)	4e-17 (166)	2e-137 (1381)	---	
<i>Kineococcus radiotolerans</i>	2e-10 (473)	---	5e-54 (305)	2e-17 (274)	---	8e-87 (1322)	2e-35 (244)	
<i>Nocardioides sp.</i>	1e-27 (564)	---	5e-46 (256)	7e-19 (163)	1e-20 (161)	8e-87 (1383)	8e-25 (224)	
<i>Propionibacterium acnes</i>	1e-26 (526)	---	---	5e-15 (169)	3e-10 (243)	---	---	
Other organisms	0.006 (457)	0.012 (3376)	1.1 (306)	See note 1	0.04 (389)	0.13 (773)	0.019 (339)	For details, see supplemental table 3
	<i>Ralstonia eutropha</i>	<i>Strongylocentrotus purpuratus</i>	<i>Homo sapiens</i>		<i>Bacteroides thetaiotaomicron</i>	<i>Magnetospirillum magnetotacticum</i>	<i>Escherichia coli</i>	

Note 1: A homologue to Tfu_2483 is found in *M. magnetotacticum* with E-value of 2e-16 (176 aa) [ZP_00051391]; the next non-actinobacterial hit is *Coxiella burnetii* with E-value of 0.063 (503 aa).