

Table 5. Signature proteins specific to *Streptomyces* and *Thermobifida*
Gao, B., Parmanathan, R. and Gupta, R.S. (2006) Antonie van Leeuwenhoek, 90(1):69-91.

Protein	Tfu_0721 [YP_288782]	Tfu_0828 [YP_288889]	Tfu_0884 [YP_288945]	Tfu_1708 [YP_289766]	Tfu_1938 [YP_289994]
Length	85 aa	355 aa	506 aa	285 aa	282 aa
Possible function	Unknown	Unknown	Unknown	Unknown	Unknown
<i>Thermobifida fusca</i>	8e-42 (85)	1e-160 (355)	0 (506)	4e-170 (285)	4e-109 (282)
<i>Streptomyces avermitilis</i>	3e-12 (109)	4e-30 (412)	1e-68 (519)	5e-72 (288)	4e-14 (311)
<i>Streptomyces coelicolor</i>	3e-11 (78)	7e-31 (355)	1e-70 (497)	3e-66 (281)	3e-13 (317)
Other hit	1.2 (770)	3.0 (330)	0.44 (580)	6e-04 (323)	3.6 (396)
	<i>Mycobacterium bovis</i>	<i>Chlorobium limicola</i>	<i>Pseudomonas syringae</i>	<i>Solibacter usitatus</i> 47/112 (41%)	<i>Burkholderia ambifaria</i>
Protein	Tfu_2046 [YP_290102]	Tfu_2377 [YP_290433]	Tfu_2886 [YP_290942]	Tfu_2037 [YP_290093]	Tfu_2750 [YP_290806]
Length	308 aa	329 aa	79 aa	119 aa	347 aa
Possible function	Unknown	Unknown	Unknown	Unknown	Unknown
<i>Thermobifida fusca</i>	5e-150 (308)	1e-177 (329)	2e-37 (79)	7e-59 (119)	0 (347)
<i>Streptomyces avermitilis</i>	3e-31 (307)	3e-18 (368)	5e-07 (77)	6e-16 (115)	3e-25 (281)
<i>Streptomyces coelicolor</i>	3e-32 (308)	---	1e-07 (77)	8e-15 (115)	5e-29 (283)
Other hit	0.002 (264)	0.71 (594)	1.2 (1213)		
	<i>Nocardia farcinica</i>	<i>Thermus thermophilus</i>	<i>Mesorhizobium loti</i>	See note 1	See note 2

Note 1: A homologue to Tfu_2037 is found in *Frankia sp.* EAN1pec with E-value of 6e-08 (112 aa) [ZP_00574167] and *Frankia sp.* Cc13 with E-value of 2e-09 (112 aa) [ZP_00548765]; the next hit is *Caulobacter crescentus* CB15 with E-value of 0.33 (102 aa) [AAK24225].

Note 2: A homologue to Tfu_2750 is found in *Frankia sp.* EAN1pec with E-value of 4e-24 (337 aa) [ZP_00570691] and *Frankia sp.* Cc13 with E-value of 9e-26 (276 aa) [ZP_00547325].