

SpaC homologous proteins in CMNR ¹ microorganisms				SpaC homologous proteins in mammals ²			
Organism	Protein	Identity (%)	E-value	Organism	Protein	Identity (%)	E-value
<i>C. pseudotuberculosis</i> 1002	Uncharacterized protein	99	0.0				
<i>C. pseudotuberculosis</i> C231	Uncharacterized protein	100	0.0				No significant similarity found.
<i>C. diphtheriae</i> HC02	Putative fimbrial subunit	27	5x10 ⁻¹⁵				

NanH homologous proteins in CMNR ¹ microorganisms				NanH homologous proteins in mammals ²			
Organism	Protein	Identity (%)	E-value	Organism	Protein	Identity (%)	E-value
<i>C. pseudotuberculosis</i> 1002	NanH	100	0.0	<i>Bos taurus</i>	Plectin	30%	1x10 ⁻⁸
<i>C. pseudotuberculosis</i> C231	NanH	100	0.0	<i>Mus musculus</i>	Plectin	30%	2x10 ⁻⁸
<i>C. diphtheriae</i> HC02	NanH	50	0.0	<i>Homo sapiens</i>	Plectin	30%	2x10 ⁻⁹
<i>C. glutamicum</i> ATCC 14067	Uncharacterized protein	36	1.0x10 ⁻⁵⁶	<i>Homo sapiens</i>	NEU ³	27%	2x10 ⁻⁷

Additional file 2: NCBI BLASTP searches were performed in UniprotKB database.¹*Corynebacterium, Mycobacterium, Nocardia, Rhodococcus*; ²*Ovis, Bos, Equus and Mus* genera, *Homo sapiens*; ³Sialidase 1 (lysosomal sialidase).