

Proteins that are Uniquely Shared by the *Bacteroidetes* and *Chlorobi* Species

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Protein I.D. No. [Accession No.]	PG0081 [NP_904430]	PG0649 [NP_904929]	BF2432 [YP_099715]	PG1818 [NP_905917]	PG1977 [NP_906051]	BF2465 [YP_099748]
Length (aa)	725 aa	194 aa	1478	238 aa	668 aa	93 aa
Possible Function	Hypoth.	Hypoth.	Hypoth.	Putative transmembrane	Hypoth.	Hypoth.
<i>Bacteroidetes</i>						
<i>P. gingivalis</i>	*	*	*	*	*	*
<i>B. fragilis</i> NCT	*	*	*	*	*	*
<i>B. fragilis</i> YCH	*	*	*	*	*	*
<i>B. thetaiotaomi.</i>	*	*	*	*	*	*
<i>Prev. intermedia</i>	*	*	*	*	*	*
<i>Prev. ruminicola</i>	*	*	*		*	*
<i>G. forestii</i>	*	*	*			
<i>F. bacterium</i> BBF	*	*	*			*
<i>F. bacterium</i> HTC	*	*	*			
<i>F. johnsoniae</i>	*	*	*			
<i>Flavobacterium</i>	*	*	*			
<i>Cellulophaga</i>	*	*	*			
<i>C. atlanticus</i>	*	*	*			
<i>Polibacter irgensii</i>	*	*	*			
<i>Psychro. torquis</i>	*	*	*			
<i>Rob. biformata</i>	*	*				
<i>Tenacibaculum</i>	*	*	*			
<i>Cyto. hutchinsonii</i>	*	*	*		*	*
<i>Salinib. ruber</i>	*		*		*	
<i>Chlorobi</i>						
<i>Cb. tepidum</i>	*	*		*	*	
<i>C. chlorochrom.</i>	*	*	*	*	*	*
<i>C. luteolum</i>	*	*	*	*	*	*
<i>C. limicola</i>	*	*	*	*	*	
<i>C. phaeobac</i> BS1	*	*	*	*	*	
<i>C. phaeobac</i> DSM	*	*	*	*	*	
<i>C. clathratiforme</i>	*	*	*	*	*	*
<i>Prosthec. aesturii</i>	*	*	*	*	*	*
<i>C. phaeovibrioides</i>	*	*	*	*	*	

All significant blast hits for these proteins are from the indicated (marked by *) Bacteroidetes and Chlorobi species. For the protein PG0081, a homolog is also present in *Fibrobacter succinogenes subsp. succinogenes* S85 (identified by blast search against the partial sequence). The blank space indicates that no hit showing significant similarity was detected at the present time.