

Proteins that are Specific for the Bacteroidales and Flavobacteriales Orders

Gupta, R.S. and Lorenzini, E. (2007) BMC Evol. Biol. (in press)

Genome ID No. [Accession No.]	Possible/Predicted Function	Genome ID No. [Accession No.]	Possible/Predicted Function
PG0336 [NP_904650]	Hypothetical protein	PG1276 [NP_905457]	DNA-binding protein, histone-like family
PG1302 [NP_905476]	Hypothetical protein	PG1389 [NP_905551]	DNA-binding protein, histone-like family
PG1537 [NP_905677]	Hypothetical protein	PG1444 [NP_905595]	Hypothetical protein
PG1251 [NP_905435]	Conjugative transposon protein TraJ	PG1475 [NP_905621]	Conjugative transposon protein TraN
PG2030 [NP_906097]	Hypothetical protein	PG1478 [NP_905624]	Conjugative transposon protein TraK
PG1492 [NP_905638]	Hypothetical protein	PG1479 [NP_905625]	Conjugative transposon protein TraJ
PG0302 [NP_904618]	Hypothetical protein	PG1482 [NP_905628]	Conjugative transposon protein TraF
PG0330 [NP_904645]	DNA-binding protein, histone-like family; smart00411, BHL	PG1483 [NP_905629]	Conjugative transposon protein TraE
PG0555 [NP_904845]	DNA-binding protein, histone-like family	PG1488 [NP_905634]	Hypothetical protein
PG0829 [NP_905084]	Hypothetical protein	PG1494 [NP_905640]	Hypothetical protein
PG0870 [NP_905118]*	Hypothetical protein	PG2040 [NP_906106]	DNA-binding protein, histone-like family
PG0875 [NP_905123]	TnpA; DNA replication, recombination & repair, COG2452	PG2127 [NP_906183]	Hypothetical protein
PG1206 [NP_905397] ^c	Mobilizable transposon, tnpC protein	BF1773 [YP_099054]*	Probable truncated integrase; cd01185, INT_Tn4399
Missing in <i>Porphyromonas gingivalis</i> W83			
BF0127 [YP_097410]	TraB	BF1727 [YP_099008]	Putative outer membrane protein maybe involved in nutrient binding
BF0136 [YP_097419]	Tetracycline resistance element mobilization: RteC	BF1860 [YP_099142]	Hypothetical protein
BF0146 [YP_097429]	Hypothetical protein	BF1926 [YP_211559]	Hypothetical protein
BF0319 [YP_097602]*	Putative exported protein	BF2130 [YP_099411]	Hypothetical protein
BF0342 [YP_097625]	Putative exported protein	BF2214 [YP_099495]	Hypothetical protein
BF1067 [YP_098351]	Hypothetical protein	BF3164 [YP_100443]	Putative lipoprotein
BF1422 [YP_098707]	Hypothetical protein	BF4258 [YP_101533]	Hypothetical protein
BF1567 [YP_098851]	Hypothetical protein		

The first five proteins in this table (viz. PG0336, PG1302, PG1537, PG1626, PG2030) are present in all *Bacteroidales* and *Flavobacteriales* species listed in Table 1; The other proteins are present in many of the *Bacteroidales* and *Flavobacteriales* species.

* Also present in *C. phaeobacteroides*.

The following proteins are homologous to each other: PG0330, PG0555, PG1276, PG1389, PG2040; PG0829, PG1444, PG1488; PG1251, PG1479; BF1422, BF1860; BF1926, BF4258.