

Proteins that are Specific for the *Chlorobi* Species

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Genome ID No. [Accession No.]	Possible/Predicted Function	Genome ID No. [Accession No.]	Possible/Predicted Function
Plut_0059 [YP_373992]	Hypothetical protein	Plut_1225 [YP_375130]	Hypothetical protein
Plut_0074 [YP_374007]	orfCR	Plut_1238 [YP_375143]	Hypothetical protein
Plut_0111 [YP_374044]	Hypothetical protein	Plut_1332 [YP_375234]	TPR repeat
Plut_0145 [YP_374078]	Hypothetical protein	Plut_1409 [YP_375311]	Hypothetical protein
Plut_0160 [YP_374093]	Hypothetical protein	Plut_1465 [YP_375367]	Hypothetical protein
Plut_0264 [YP_374195]	chlorosome envelope protein C	Plut_1469 [YP_375371]	Hypothetical protein
Plut_0265 [YP_374196]	chlorosome envelope protein A; Bac_chlorC, pfam02043	Plut_1491 [YP_375393]	Hypothetical protein
Plut_0278 [YP_374209]	Hypothetical protein	Plut_1500 [YP_375402]	FMO, BchlA protein
Plut_0282 [YP_374213]	Hypothetical protein	Plut_1517 [YP_375417]	Hypothetical protein
Plut_0295 [YP_374226]	Hypothetical protein	Plut_1608 [YP_375505]	Srm
Plut_0325 [YP_374256]	Hypothetical protein	Plut_1625 [YP_375522]	Hypothetical protein
Plut_0409 [YP_374340]	Hypothetical protein	Plut_1628 [YP_375525]	Photosystem P840 reaction center cytochrome c-551
Plut_0422 [YP_374353]	Hypothetical protein	Plut_1682 [YP_375579]	Hypothetical protein
Plut_0489 [YP_374420]	Hypothetical protein	Plut_1714 [YP_375611]	Hypothetical protein
Plut_0499 [YP_374430]	Hypothetical protein	Plut_1715 [YP_375612]	Hypothetical protein
Plut_0540 [YP_374467]	Hypothetical protein	Plut_1716 [YP_375613]	Hypothetical protein
Plut_0572 [YP_374498]	Hypothetical protein	Plut_1725 [YP_375622]	Hypothetical protein
Plut_0620 [YP_374546]	Photosystem P840 reaction center protein PscD	Plut_1742 [YP_375639]	Hypothetical protein
Plut_0666 [YP_374587]	Hypothetical protein	Plut_1743 [YP_375640]	Hypothetical protein
Plut_0713 [YP_374634]	Hypothetical protein	Plut_1746 [YP_375643]	Hypothetical protein
Plut_0779 [YP_374695]	Hypothetical protein	Plut_1933 [YP_375818]	Hypothetical protein
Plut_0950 [YP_374855]	Hypothetical protein	Plut_2003 [YP_375888]	orfCR
Plut_1012 [YP_374917]	Hypothetical protein	Plut_2041 [YP_375926]	Hypothetical protein
Plut_1195 [YP_375100]	Hypothetical protein	Plut_2100 [YP_375985]	Hypothetical protein
Plut_1217 [YP_375122]	Hypothetical protein	Plut_2117 [YP_376002]	Hypothetical protein
Plut_1223 [YP_375128]	Hypothetical protein		

All significant Blast hits for these proteins are observed only from the following *Chlorobi* species for which sequence information is presently available: *C. luteolum* DSM 273, *C. tepidum* TLS, *C. chlorochromatii* CaD3, *C. limicola* DSM 245, *C. phaeobacteroides* BS1, *C. phaeobacteroides* DSM 266, *C. clathratiforme* BU-1, *P. aestuarii* DSM 271 and *C. phaeovibrioides* DSM 265. Of these proteins, the following proteins are homologous to each other: Plut_0059, Plut_1491; Plut_0074, Plut_2003.