

**Table 5: Proteins that are specific to certain subgroups of methanogens**  
 Gao, B. and Gupta, R.S. BMC Genomics (2007) 8, 86.

<b>Proteins specific to Methanococcales, Methanobacteriales, Methanopyrales and Methanomicrobiales</b>					
MMP0125	[NP_987245]	COG4018	MMP1451	[NP_988571] EhaD	COG4039
MMP0935	[NP_988055]	CDD26896	MMP1452	[NP_988572] EhaE	COG4038
MMP1243	[NP_988363]	CDD30112	MMP1453	[NP_988573] EhaF	COG4037
MMP1449	[NP_988569] EhaB	COG4041	MMP1454	[NP_988574] EhaG	COG4036
MMP1450	[NP_988570] EhaC	COG4040	MMP1498	[NP_988618]	CDD26800
<b>Proteins specific to Methanococcales, Methanobacteriales and Methanopyrales</b>					
MMP0127	[NP_987247] Hmd	CDD8560	MMP1459	[NP_988579] EhaL	COG4035
MMP0267	[NP_987387]	COG4053	MMP1497	[NP_988617]	COG4019
MMP0618	[NP_987738]	COG4075	MMP1598	[NP_988718]	CDD15766
MMP1217	[NP_988337]	COG4024	MMP1664	[NP_988784]	COG4071
MMP1448	[NP_988568] EhaA	COG4042	MMP1716	[NP_988836] HmdII	CDD8560
<b>Proteins specific to Methanobacteriales and Methanopyrales</b>					
MK0046	[NP_613333]	MK0502	[NP_613787]	MK0927	[NP_614210]
MK0108	[NP_613395]	MK0749	[NP_614033]	MK1599	[NP_614882] = MK0927
MK0147	[NP_613434]	MK0750	[NP_614034]	MK1282	[NP_614565] = MK0502
MK0241	[NP_613528]	MK0751	[NP_614035]	MK1513	[NP_614796]
MK0431	[NP_613716]	MK0854	[NP_614137] COG0707	MK1541	[NP_614824]
<b>Proteins specific to Methanosarcinales</b>					
Mbur_0178	[YP_564939]	Mbur_1314	[YP_565982]	Mbur_1890	[YP_566523]
Mbur_0218	[YP_564978]	Mbur_1506	[YP_566163]	Mbur_1953	[YP_566584]
Mbur_0544	[YP_565271]	Mbur_1512	[YP_566169] COG4742	Mbur_1956	[YP_566587]
Mbur_0997	[YP_565686]	Mbur_1689	[YP_566333]	Mbur_2254	[YP_566865]
Mbur_1283	[YP_565952]	Mbur_1863	[YP_566496]		
<b>Proteins only found in Methanococcales and Methanobacteriales</b>					
MMP0124	[NP_987244]	MMP1073	[NP_988193] COG1320	MMP1460	[NP_988580] EhaM
MMP0223	[NP_987343]	MMP1110	[NP_988230] CDD2427	MMP1633	[NP_988753]
MMP0940	[NP_988060]				
<b>Proteins only found in Methanococcales and Methanopyrales</b>					
MMP1065	[NP_988185]	MMP1467	[NP_988587] EhaT	MMP1568	[NP_988688] COG4010
MMP1118	[NP_988238] CDD28974				
<b>Proteins only found in Methanosarcinales and Methanomicrobiales</b>					
Mbur_0145	[YP_564912]	Mbur_1977	[YP_566606]	Mbur_2094	[YP_566718]
Mbur_1266	[YP_565937]	Mbur_2017	[YP_566644]	Mbur_2402	[YP_567003]
Mbur_1788	[YP_566426]				

The protein ID number starting with MK represents query protein from the genome of *M. kandleri* AV19.