

Exploring the evolution of protein function in Archaea

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Additional File 4

Table ST4. Archaeal proteomes used to converge the prototypes of EFLs

The following 68 archaeal proteomes were used to derive sequence prototypes. Four proteomes (bold font), each representing a separate archaeal phylum, were used as source of origins.

Methanococcus maripaludis C7	Methanobrevibacter smithii ATCC 35061
Candidatus Methanoregula boonei 6A8	Methanosarcina acetivorans C2A
Caldivirga maquilingensis IC-167	Pyrococcus horikoshii OT3
Methanococcus maripaludis C5	Sulfolobus islandicus M 16 27
Methanothermobacter thermoautotrophicus str Delta H	Halomicrobium mukohataei DSM 12286
Staphylothermus marinus F1	Natronomonas pharaonis DSM 2160
Haloarcula marismortui ATCC 43049	Candidatus Korarchaeum cryptofilum OPF8
Methanococcus aeolicus Nankai-3	uncultured methanogenic archaeon RC-I
Nitrosopumilus maritimus SCM1	Pyrococcus furiosus DSM 3638
Thermoproteus neutrophilus V24Sta	Thermoplasma volcanium GSS1
Thermococcus kodakarensis KOD1	Halorubrum lacusprofundi ATCC 49239
Pyrobaculum islandicum DSM 4184	Halobacterium salinarum R1
Methanococcus vannielii SB	Methanosarcina mazei Go1
Sulfolobus islandicus L S 2 15	Pyrobaculum aerophilum str IM2
Sulfolobus islandicus Y N 15 51	Methanopyrus kandleri AV19
Halorhabdus utahensis DSM 12940	Methanosarcina barkeri str Fusaro
Ignicoccus hospitalis KIN4	Methanocorpusculum labreanum Z
Ignicoccus hospitalis KIN4/I	Sulfolobus islandicus Y G 57 14
Methanoculleus marisnigri JR1	Pyrococcus abyssi GE5
Sulfolobus solfataricus P2	Methanococcus maripaludis C6
Methanospirillum hungatei JF-1	Methanococcoides burtonii DSM 6242
Sulfolobus tokodaii str 7	Methanococcus maripaludis S2
Methanosaeta thermophila PT	Haloquadratum walsbyi DSM 16790
Halobacterium sp NRC-1	Thermococcus gammatolerans EJ3
Methanosphaerula palustris E1-9c	Sulfolobus acidocaldarius DSM 639
Archaeoglobus fulgidus DSM 4304	Metallosphaera sedula DSM 5348
Picrophilus torridus DSM 9790	Thermofilum pendens Hrk 5
Aeropyrum pernix K1	Methanocaldococcus fervens AG86
Thermoplasma acidophilum DSM 1728	Hyperthermus butylicus DSM 5456
Desulfurococcus kamchatkensis 1221n	Pyrobaculum caldifontis JCM 11548
Thermococcus sibiricus MM 739	Nanoarchaeum equitans Kin4-M
Methanosphaera stadtmanae DSM 3091	Sulfolobus islandicus M 14 25
Sulfolobus islandicus M 16 4	Thermococcus onnurineus NA1
Pyrobaculum arsenaticum DSM 13514	Methanocaldococcus jannaschii DSM 2661