- 0 001 Methanosarcina mazei 3 H M 2 7 Methanosarcina mazei 3 H A 2 8 **Dataset COG** Methanosarcina mazei 3 H A 2 6 General function prediction only Methanosarcina mazei 1 H A 2 6 Inorganic ion transport and metabolism Methanosarcina mazei 3 H A 2 1 Methanosarcina mazei 1 H A 1A 4 Amino acid transport and metabolism Methanosarcina mazei 1 H A 2 1 Energy production and conversion Methanosarcina mazei 1 H A 0 1 Signal_transduction_mechanisms Methanosarcina mazei 1 F A 1B 3 Defense mechanisms Methanosarcina mazei 1 F A 1B 4 Methanosarcina mazei 1 F A 1A 3 Coenzyme metabolism Methanosarcina mazei 3 H A 2 5 Posttranslational modification protein turnover chaperones Methanosarcina mazei 3 H T 1A 1 Carbohydrate transport and metabolism Methanosarcina mazei 3 H T 1A 2 Function_unknown Methanosarcina mazei 3 H A 1A 2 Methanosarcina mazei 2 F T 2 6 Translation ribosomal structure and biogenesis Methanosarcina mazei 3 F A 2 5 Methanosarcina mazei 3 F A 2 3 Cell_envelope_biogenesis_outer_membrane Methanosarcina mazei 1 F M 0 5 Methanosarcina mazei 3 F A 2 6 DNA replication recombination and repair Methanosarcina mazei 3 F A 2 8 Secondary metabolites biosynthesis transport and catabolism Methanosarcina mazei 3 F A 2 7 Cell division and chromosome partitioning Methanosarcina mazei 3 F A 1A 3 Nucleotide transport and metabolism Methanosarcina mazei 3 F A 2 12 Cell motility and secretion Methanosarcina mazei 2 F A 2 4 Methanosarcina mazei 1 H M 2 1 Methanosarcina mazei 3 F T 2 1 Methanosarcina mazei 3 F A 1B 1 Methanosarcina mazei 3 H A 1A 1 Methanosarcina mazei 3 F A 1A 1 Methanosarcina mazei 1 F A 2 8 Methanosarcina mazei 1 H M 0 1 Methanosarcina mazei 3 H A 2 4 Methanosarcina mazei 3 H M 1A 1 Methanosarcina mazei 3 F M 1A 1 Methanosarcina mazei 3 H M 1B 2 Methanosarcina mazei 3 H M 1B 1 Methanosarcina mazei 3 H M 1B 5 Methanosarcina mazei 3 F T 1A 4 Methanosarcina mazei 3 F T 1A 2 Methanosarcina mazei 3 F T 1A 1 Methanosarcina mazei 2 F T 0 2 Methanosarcina mazei 1 H T 2 3 Methanosarcina mazei 1 H A 2 7 Methanosarcina mazei 1 H T 2 1 Methanosarcina mazei 2 F A 2 3 Methanosarcina mazei 1 H T 2 5 - Methanosarcina mazei 1 H A 1A 1 Methanosarcina mazei 1 H M 2 4 Methanosarcina mazei 1 H A 1A 3 Methanosarcina mazei 1 H M 2 3 Methanosarcina mazei 1 H M 2 2 Methanosarcina mazei 1 H M 1A 1 Methanosarcina mazei 1 H A 2 3 Methanosarcina mazei 1 H M 1A 3 Methanosarcina mazei 1 H A 1A 6 Methanosarcina mazei 1 H A 2 8 Methanosarcina mazei 1 H M 1A 2