

Supplemental Table 2

Reference genomes utilized in database for metaproteomic analysis (Sept 2012).

Acidovorax citrulli AAC00-1
Agrobacterium tumefaciens str. C58
Anabaena variabilis ATCC 29413
Anaeromyxobacter dehalogenans 2CP-1
Archaeoglobus fulgidus DSM 4304
Archaeoglobus profundus DSM 5631
Archaeoglobus veneficus SNP6
Arcobacter nitrofigilis DSM 7299
Bdellovibrio bacteriovorus HD100
Beggiatoa sp. 'Orange Guaymas'
Beggiatoa sp. PS
Beggiatoa sp. SS
Burkholderia glumae BGR1
Burkholderia multivorans ATCC 17616
Candidatus Accumulibacter phosphatis clade IIA str. UW-1
Candidatus Desulforudis audaxviator MP104C
Candidatus Koribacter versatilis Ellin345
Chloroflexus aggregans DSM 9485
Clostridium thermocellum ATCC 27405
Delftia acidovorans SPH-1
delta proteobacterium MLMS-1
delta proteobacterium NaphS2
delta proteobacterium str. anaconda
Desulfatibacillum alkenivorans AK-01
Desulfobacca acetoxidans DSM 11109
Desulfobacterium autotrophicum HRM2
Desulfobulbus propionicus DSM 2032
Desulfococcus oleovorans Hxd3
Desulfonema limicola str. Jadebusen
Desulfonema magnum str. Montpellier
Desulfosarcina variabilis str. Montpellier
Desulfotalea psychrophila LSv54
Desulfotomaculum acetoxidans DSM 771
Desulfovibrio salexigens DSM 2638
Desulfovibrio vulgaris
endosymbiont of Riftia pachyptila (vent Ph05)
endosymbiont of Tevnia jerichonana (vent Tica)
Ferroglobus placidus DSM 10642
Gemmatimonas aurantiaca T-27
Geobacter sp. M18

Glaciecola nitratireducens FR1064
Halothiobacillus neapolitanus c2
Heliobacterium modesticaldum Ice1
Herpetosiphon aurantiacus ATCC 23779
Leptospira borgpetersenii serovar Hardjo-bovis
Magnetococcus sp. MC-1
Maribacter sp. HTCC2170
marine gamma proteobacterium HTCC2148
Mariprofundus ferrooxydans PV-1
Methanocella paludicola SANAE
Methanococcoides burtonii DSM 6242
Methanococcus aeolicus Nankai-3
Methanohalobium evestigatum Z-7303
Methanohalophilus mahii DSM 5219
Methanohalophilus mahii DSM 5219
Methanosaeta concilii GP6
Methanosaeta harundinacea 6Ac
Methanosaeta thermophila PT
Methanosalsum zhilinae DSM 4017
Methanosarcina acetivorans C2A
Methanosarcina barkeri fusaro
Methanosphaerula palustris E1-9c
Methanospirillum hungatei JF-1
Methanothermobacter thermautotrophicus str. Delta H
Methylibium petroleiphilum PM1
Methylobacter tundripaludum SV96
Methylomicrobium album BG8
Methylomonas methanica MC09
Methylophaga aminisulfidivorans MP
Methylosinus trichosporium OB3b
Microlunatus phosphovorans NM-1
Nakamurella multipartita DSM 44233
Nitrosococcus halophilus Nc4
Nitrosopumilus maritimus SCM1
Nitrosospira multiformis ATCC 25196
Nocardioides sp. JS614
Opitutus terrae PB90-1
Paludibacter propionigenes WB4
Paracoccus denitrificans PD1222
Pedosphaera parvula Ellin514
Pelobacter carbinolicus DSM 2380
Pelobacter carbinolicus DSM 2380
Persephonella marina EX-H1

Pirellula staleyi DSM 6068
Planctomyces limnophilus DSM 3776
Planctomyces maris DSM 8797
Propionibacterium acnes
Pseudoalteromonas atlantica T6c
Pseudoalteromonas sp. 2ta6
Pseudomonas fluorescens
Pseudomonas fluorescens SBW25
Psychromonas ingrahamii 37
Roseiflexus castenholzii DSM 13941
Ruegeria pomeroyi DSS-3
Shewanella frigidimarina NCIMB 400
Sphingomonas wittichii RW1
Spirochaeta smaragdinae DSM 11293
Sulfurimonas autotrophica DSM 16294
Sulfurovum sp. NBC37-1
Syntrophobacter fumaroxidans MPOB
Syntrophobacter fumaroxidans MPOB
Syntrophus aciditrophicus SB
Syntrophus aciditrophicus SB
Teredinibacter turnerae T7901
Thermoanaerobacter tengcongensis MB4
Thermococcus barophilus MP
Thermococcus kodakarensis KOD1
Thermodesulfobivrio yellowstonii DSM 11347
Thioalkalivibrio sulfidophilus HL-EbGr7
Thioalkalivibrio thiocyanoxidans ARh 4
Thiobacillus denitrificans ATCC 25259
Thiobacillus denitrificans ATCC 25259
Thiocapsa marina 5811
Thiomicrospira crunogena XCL-2
Thiorhodospira sibirica ATCC 700588
Zobellia galactanivorans