

OTU_475;size=609;.csv

Methyлотenera versatilis 301

Methylophilaceae

Methylophilales

88.83



Methyлотenera versatilis 301, complete genome	CP002056	88.83	99.04	3.86886e-68	Methylophilales	Methylophilaceae	Methyлотenera versatilis 301
Insecta sp. SHSY141205 cytochrome oxidase subunit	KU720137	82.69	100	7.47525e-52			Insecta sp. SHSY141205
Methylophilus sp. TWE2, complete genome	CP012020	82.35	98.08	1.10943e-49	Methylophilales	Methylophilaceae	Methylophilus sp. TWE2
Methyлотenera mobilis JLW8, complete genome	CP001672	80.3	97.6	1.03908e-43	Methylophilales	Methylophilaceae	Methyлотenera mobilis JLW8
Uncultured organism isolate Los Vilos_40 cytochrom	FJ541283	76.24	97.12	2.61143e-32			uncultured organism
Uncultured organism isolate Constitucion_16 cytoch	FJ541282	76.24	97.12	2.61143e-32			uncultured organism
Uncultured organism isolate Constitucion_12 cytoch	FJ541280	76.24	97.12	2.61143e-32			uncultured organism
Uncultured organism isolate Constitucion_24 cytoch	FJ541278	76.24	97.12	2.61143e-32			uncultured organism
Uncultured organism isolate Constitucion_21 cytoch	FJ541275	76.24	97.12	2.61143e-32			uncultured organism
Uncultured organism isolate Constitucion_13 cytoch	FJ541274	76.24	97.12	2.61143e-32			uncultured organism
Uncultured organism isolate Chipana_1 cytochrome o	FJ541273	76.24	97.12	2.61143e-32			uncultured organism
Serpulidae sp. BOLD:AAG0874 voucher BIOUG<CAN>:WS0	HM417793	79.88	78.85	9.11477e-32	Sabellida	Serpulidae	Serpulidae sp. BOLD:AAG0874
Polynucleobacter asymbioticus QLW-P1DMWA-1, comple	CP000655	79.17	80.77	3.18137e-31	Burkholderiales	Burkholderiaceae	Polynucleobacter asymbioticus QLW-P1DMWA-1
Uncultured organism isolate Constitucion_8 cytochr	FJ541277	75.74	97.12	1.11041e-30			uncultured organism
Nitrosococcus halophilus Nc4, complete genome	CP001798	77.44	78.85	2.44583e-26	Chromatiales	Chromatiaceae	Nitrosococcus halophilus Nc 4
Nitrosomonas ureae strain Nm10, complete genome	CP013341	73.56	100	8.53679e-26	Nitrosomonadales	Nitrosomonadaceae	Nitrosomonas ureae
Sulfuricella denitrificans skB26 DNA, complete gen	AP013066	73.53	98.08	2.97963e-25	Sulfuricellales	Sulfuricellaceae	Sulfuricella denitrificans skB26
Methylovorus sp. MP688, complete genome	CP002252	73.43	99.52	2.97963e-25	Methylophilales	Methylophilaceae	Methylovorus sp. MP688
Methylovorus glucosetrophus SIP3-4, complete genom	CP001674	73.43	99.52	2.97963e-25	Methylophilales	Methylophilaceae	Methylovorus glucosetrophus SIP3-4
Methylophilales bacterium MBRSG12 genome	CP011003	76.19	80.77	1.03999e-24	Methylophilales		Methylophilales bacterium MBRSG12
Methylophilales bacterium MBRSH7 genome	CP011002	76.19	80.77	1.03999e-24	Methylophilales		Methylophilales bacterium MBRS-H7
Methylophilales bacterium MBRSF5 genome	CP011001	76.19	80.77	1.03999e-24	Methylophilales		Methylophilales bacterium MBRSF5
Protula pacifica voucher BIOUG<CAN>:BAMPOL0473 cyt	HM473658	76.69	78.37	1.03999e-24	Sabellida	Serpulidae	Protula pacifica
Polynucleobacter necessarius subsp. necessarius ST	CP001010	76.02	82.21	1.03999e-24	Burkholderiales	Burkholderiaceae	Polynucleobacter necessarius subsp. necessarius STIR1
Polynucleobacter sp. QLVW-P1FAT50C-4 genome	CP015922	75.44	82.21	1.26697e-23	Burkholderiales	Burkholderiaceae	Polynucleobacter sp. QLVW-P1FAT50C-4
Legionella hackeliae genome assembly LHA, chromoso	LN681225	75.29	83.65	1.26697e-23	Legionellales	Legionellaceae	Legionella hackeliae
Protolaeospira eximia voucher BIOUG<CAN>:BAMPOL046	HM473657	76.4	77.4	1.26697e-23	Sabellida	Serpulidae	Protolaeospira eximia
Protolaeospira eximia voucher BIOUG<CAN>:BAMPOL046	HM473656	76.4	77.4	1.26697e-23	Sabellida	Serpulidae	Protolaeospira eximia
Protolaeospira eximia voucher BIOUG<CAN>:BAMPOL046	HM473655	76.4	77.4	1.26697e-23	Sabellida	Serpulidae	Protolaeospira eximia
Uncultured organism isolate Pumillahue_D_4 COI gen	FJ541269	75.74	81.25	1.26697e-23			uncultured organism
Uncultured organism isolate Tumbes_D_1 cytochrome	FJ541268	75.74	81.25	1.26697e-23			uncultured organism
Uncultured organism isolate Tumbes_D_7 cytochrome	FJ541267	75.74	81.25	1.26697e-23			uncultured organism
Uncultured organism isolate Loncoyen_D_9 cytochrom	FJ541266	75.74	81.25	1.26697e-23			uncultured organism
Nitrosomonas sp. AL212, complete genome	CP002552	74.07	90.87	1.26697e-23	Nitrosomonadales	Nitrosomonadaceae	Nitrosomonas sp. AL212
Eurythenes gryllus clone EG_SacII_40 cytochrome ox	AY830420	74.86	86.06	1.26697e-23	Amphipoda	Lysianassidae	Eurythenes gryllus
Adipicola sp. JDF2008 gill symbiont clone JDFsymCO	KF521921	75.6	80.77	4.42217e-23			Adipicola sp. JDF2008 gill symbiont
Spirorbis sp. CMC01 voucher BIOUG<CAN>:HUNTSPOL020	HQ024244	76.25	76.92	4.42217e-23	Sabellida	Serpulidae	Spirorbis sp. CMC01
Spirorbis sp. CMC01 voucher BIOUG<CAN>:HUNTSPOL020	HQ024243	76.25	76.92	4.42217e-23	Sabellida	Serpulidae	Spirorbis sp. CMC01
Cycloclasticus zancles 78-ME, complete genome	CP005996	74.3	86.06	1.54349e-22	Thiotrichales	Piscirickettsiaceae	Cycloclasticus zancles 78-ME
Cycloclasticus sp. P1, complete genome	CP003230	74.3	86.06	1.54349e-22	Thiotrichales	Piscirickettsiaceae	Cycloclasticus sp. P1
Spirorbis sp. CMC02 voucher BIOUG<CAN>:HUNTSPOL020	HQ024246	75.45	80.29	1.54349e-22	Sabellida	Serpulidae	Spirorbis sp. CMC02
Spirorbis sp. CMC02 voucher BIOUG<CAN>:HUNTSPOL020	HQ024245	75.45	80.29	1.54349e-22	Sabellida	Serpulidae	Spirorbis sp. CMC02
Ciona intestinalis cytochrome oxidase subunit I mi	AY116597	79.69	61.54	1.54349e-22	Enterogona	Cionidae	Ciona intestinalis
Methylomonas denitrificans strain FJG1, complete g	CP014476	75.95	75.96	5.3873e-22	Methylococcales	Methylococcaceae	Methylomonas denitrificans
Nitrosomonas eutropha C91, complete genome	CP000450	74.43	84.62	5.3873e-22	Nitrosomonadales	Nitrosomonadaceae	Nitrosomonas eutropha C91
Nitrosococcus oceanii ATCC 19707, complete genome	CP000127	79.69	61.54	5.3873e-22	Chromatiales	Chromatiaceae	Nitrosococcus oceanii ATCC 19707
Spirorbis sp. CMC02 voucher BIOUG<CAN>:HUNTSPOL020	HQ024247	74.85	80.29	1.88035e-21	Sabellida	Serpulidae	Spirorbis sp. CMC02
Nitrosococcus watsonii C-113, complete genome	CP002086	73.89	86.54	1.88035e-21	Chromatiales	Chromatiaceae	Nitrosococcus watsonii C-113
Polychaeta sp. EBS61o-Po36 cytochrome oxidase subu	KJ736175	74.56	81.25	6.56308e-21			Polychaeta sp. EBS61o-Po36
Uncultured organism isolate Algarrobo_3 cytochrome	FJ541272	76.71	70.19	6.56308e-21			uncultured organism
Uncultured organism isolate Algarrobo_2 cytochrome	FJ541271	76.71	70.19	6.56308e-21			uncultured organism
Uncultured organism isolate Algarrobo_1 cytochrome	FJ541270	76.71	70.19	6.56308e-21			uncultured organism
Methylomonas sp. DH-1, complete genome	CP014360	73.99	83.17	2.29074e-20	Methylococcales	Methylococcaceae	Methylomonas sp. DH-1
Kangiella geojedonensis strain YCS-5, complete gen	CP010975	76.92	68.75	2.29074e-20	Oceanospirillales	Alcanivoracaceae	Kangiella geojedonensis
Nitrosomonas sp. Is79A3, complete genome	CP002876	72.63	91.35	2.29074e-20	Nitrosomonadales	Nitrosomonadaceae	Nitrosomonas sp. Is79A3
Candidatus Accumulibacter phosphatis clade IIA str	CP001715	71.63	100	2.29074e-20			Candidatus Accumulibacter phosphatis clade IIA str. UW-1
Spongiibacter sp. IMCC21906, complete genome	CP011477	76.39	69.23	7.99547e-20	Cellvibrionales	Spongiibacteraceae	Spongiibacter sp. IMCC21906
Desmosomatidae sp. NB-Iso234 cytochrome oxidase su	KJ736166	78.29	62.02	7.99547e-20	Isopoda	Desmosomatidae	Desmosomatidae sp. NB-Iso234
Kangiella koreensis DSM 16069, complete genome	CP001707	76.19	70.67	7.99547e-20	Oceanospirillales	Alcanivoracaceae	Kangiella koreensis DSM 16069
Chloeia parva voucher LRC26 cytochrome oxidase sub	EU352320	74.25	80.29	7.99547e-20	Eunicida	Amphinomidae	Chloeia parva
Scopelocheirus schellenbergi clone SS1_BsaBI_23 cy	AY830439	75.66	73.08	7.99547e-20	Amphipoda	Lysianassidae	Scopelocheirus schellenbergi
Zhongshania aliphaticivorans strain SM2, complete	CP014544	76.6	67.79	2.79069e-19	Cellvibrionales	Spongiibacteraceae	Zhongshania aliphaticivorans
Endosymbiont of Bathymodiolus septemdierum str. My	AP013042	74.56	80.29	2.79069e-19			endosymbiont of Bathymodiolus septemdierum str. Myojin knoll
Glaciecola psychrophila 170, complete genome	CP003837	80.53	54.33	2.79069e-19	Alteromonadales	Alteromonadaceae	Paraglaciecola psychrophila 170
Beta proteobacterium CB, complete genome	CP004348	75.16	73.56	2.79069e-19			beta proteobacterium CB
Crucigera sp. CMC01 voucher BIOUG<CAN>:BAMPOL0323	HM473344	73.68	82.21	2.79069e-19	Sabellida	Serpulidae	Crucigera sp. CMC01
Scapharca broughtonii isolate AT408 cytochrome oxi	DQ435148	80.53	54.33	2.79069e-19	Arcoida	Arcidae	Scapharca broughtonii
Limnohabitans sp. 103DPR2, complete genome	CP011834	72.88	85.1	9.74047e-19	Burkholderiales	Comamonadaceae	Limnohabitans sp. 103DPR2
Coelomactra antiquata strain GY cytochrome oxidase	FJ653656	75.33	72.12	9.74047e-19	Veneroida	Mactridae	Coelomactra antiquata
Uncultured gamma proteobacterium clone SW004 cytoc	FJ868209	75	73.08	9.74047e-19			uncultured gamma proteobacterium
Coelomactra antiquata strain LYG-116 cytochrome ox	GQ406236	75.33	72.12	9.74047e-19			Coelomactra antiquata
Bathymodiolus aff. brevior thioautotrophic gill sy	KF521920	73.96	80.29	3.39976e-18			Bathymodiolus aff. brevior thioautotrophic gill symbiont
Alteromonas macleodii str. 'Balearic Sea AD45', co	CP003873	75.69	69.23	3.39976e-18	Alteromonadales	Alteromonadaceae	Alteromonas macleodii str. 'Balearic Sea AD45'
Alteromonas macleodii str. 'English Channel 673',	CP003844	75.69	69.23	3.39976e-18	Alteromonadales	Alteromonadaceae	Alteromonas macleodii str. 'English Channel 673'
Methylomonas methanica MC09, complete genome	CP002738	74.05	75.96	1.18663e-17	Methylococcales	Methylococcaceae	Methylomonas methanica MC09
Candidatus Ruthia magnifica str. Cm (Calypdogena m	CP000488	74.1	78.85	1.18663e-17			Candidatus Ruthia magnifica str. Cm (Calypdogena magnifica)
Scapharca broughtonii isolate AT105 cytochrome oxi	DQ435095	79.65	54.33	1.18663e-17	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT706 cytochrome oxi	DQ435191	79.65	54.33	1.18663e-17	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT704 cytochrome oxi	DQ435189	79.65	54.33	1.18663e-17	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT702 cytochrome oxi	DQ435187	79.65	54.33	1.18663e-17	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT508 cytochrome oxi	DQ435166	79.65	54.33	1.18663e-17	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT507 cytochrome oxi	DQ435165	79.65	54.33	1.18663e-17	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT304 cytochrome oxi	DQ435125	79.65	54.33	1.18663e-17	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT505 cytochrome oxi	DQ435163	79.65	54.33	1.18663e-17	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT710 cytochrome oxi	DQ435139	79.65	54.33	1.18663e-17	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT711 cytochrome oxi	DQ435140	79.65	54.33	1.18663e-17	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT303 cytochrome oxi	DQ435124	79.65	54.33	1.18663e-17	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT207 cytochrome oxi	DQ435114	79.65	54.33	1.18663e-17	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT211 cytochrome oxi	DQ435103	79.65	54.33	1.18663e-17	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT103 cytochrome oxi	DQ435105	79.65	54.33	1.18663e-17	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT206 cytochrome oxi	DQ435100	79.65	54.33	1.18663e-17	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT101 cytochrome oxi	DQ435094	79.65	54.33	1.18663e-17	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT102 cytochrome oxi	DQ435093	79.65	54.33	1.18663e-17	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii cytochrome oxidase subunit I	AF305059	79.65	54.33	1.18663e-17	Arcoida	Arcidae	Scapharca broughtonii
Alteromonas macleodii strain HOT1A3, complete geno	CP012202	75	69.23	4.14176e-17	Alteromonadales	Alteromonadaceae	Alteromonas macleodii
Alteromonas macleodii strain D7, complete genome	CP014323	75	69.23	4.14176e-17	Alteromonadales	Alteromonadaceae	Alteromonas macleodii
Vibrio harveyi strain ATCC 43516 chromosome 2, com	CP014039	78.95	54.81	4.14176e-17	Vibrionales	Vibrionaceae	Vibrio harveyi
Vibrio harveyi strain ATCC 33843 (392 [MAV]) chrom	CP009468	78.95	54.81	4.14176e-17	Vibrionales	Vibrionaceae	Vibrio harveyi
Moritella viscosa genome assembly MVIS1_chromosom	LN554852	75.35	68.27	4.14176e-17	Alteromonadales	Moritellaceae	Moritella viscosa
Alteromonas macleodii ATCC 27126, complete genome	CP003841	75	69.23	4.14176e-17	Alteromonadales	Alteromonadaceae	Alteromonas macleodii ATCC 27126