

OTU_247;size=737;.csv

Methyлотenera versatilis 301

Methylophilaceae

Methylophilales

86.21

Methyлотenera versatilis 301, complete genome	CP002056	86.21	97.6	5.3721e-60	Methylophilales	Methylophilaceae	Methyлотenera versatilis 301
Insecta sp. SHSY141205 cytochrome oxidase subunit	KU720137	82.83	95.19	3.86817e-49			Insecta sp. SHSY141205
Methyлотenera mobilis JLW8, complete genome	CP001672	81.73	100	3.86817e-49	Methylophilales	Methylophilaceae	Methyлотenera mobilis JLW8
Methylophilus sp. TWE2, complete genome	CP012020	80.1	99.04	1.03798e-43	Methylophilales	Methylophilaceae	Methylophilus sp. TWE2
Serpulidae sp. BOLD:AAG0874 voucher BIOUG<CAN>:WSO	HM417793	79.17	80.77	3.178e-31	Sabellida	Serpulidae	Serpulidae sp. BOLD:AAG0874
Uncultured organism isolate Los Vilos_40 cytochrom	FJ541283	75.49	98.08	1.10923e-30			uncultured organism
Uncultured organism isolate Constitucion_16 cytoch	FJ541282	75.49	98.08	1.10923e-30			uncultured organism
Uncultured organism isolate Constitucion_12 cytoch	FJ541280	75.49	98.08	1.10923e-30			uncultured organism
Uncultured organism isolate Constitucion_24 cytoch	FJ541278	75.49	98.08	1.10923e-30			uncultured organism
Uncultured organism isolate Constitucion_21 cytoch	FJ541275	75.49	98.08	1.10923e-30			uncultured organism
Uncultured organism isolate Constitucion_13 cytoch	FJ541274	75.49	98.08	1.10923e-30			uncultured organism
Uncultured organism isolate Chipana_1 cytochrome o	FJ541273	75.49	98.08	1.10923e-30			uncultured organism
Methylophilales bacterium MBRSG12 genome	CP011003	78.79	79.33	1.35132e-29	Methylophilales		Methylophilales bacterium MBRSG12
Methylophilales bacterium MBRSH7 genome	CP011002	78.79	79.33	1.35132e-29	Methylophilales		Methylophilales bacterium MBRS-H7
Methylophilales bacterium MBRSF5 genome	CP011001	78.79	79.33	1.35132e-29	Methylophilales		Methylophilales bacterium MBRSF5
Spirorbis sp. CMC01 voucher BIOUG<CAN>:HUNTSPOL020	HQ024244	78.66	78.85	4.71656e-29	Sabellida	Serpulidae	Spirorbis sp. CMC01
Spirorbis sp. CMC01 voucher BIOUG<CAN>:HUNTSPOL020	HQ024243	78.66	78.85	4.71656e-29	Sabellida	Serpulidae	Spirorbis sp. CMC01
Uncultured organism isolate Constitucion_8 cytochr	FJ541277	75	98.08	4.71656e-29			uncultured organism
Cycloclasticus zancles 78-ME, complete genome	CP005996	75.65	92.79	1.64624e-28	Thiotrichales	Piscirickettsiaceae	Cycloclasticus zancles 78-ME
Cycloclasticus sp. P1, complete genome	CP003230	75.65	92.79	1.64624e-28	Thiotrichales	Piscirickettsiaceae	Cycloclasticus sp. P1
Methylovorus sp. MP688, complete genome	CP002252	75	96.15	1.64624e-28	Methylophilales	Methylophilaceae	Methylovorus sp. MP688
Methylovorus glucosetrophus SIP3-4, complete genom	CP001674	75	96.15	1.64624e-28	Methylophilales	Methylophilaceae	Methylovorus glucosetrophus SIP3-4
Eurythenes gryllus clone EG_SacII_40 cytochrome ox	AY830420	76.54	86.06	5.74595e-28	Amphipoda	Lysianassidae	Eurythenes gryllus
Legionella hackeliae genome assembly LHA, chromoso	LN681225	76.14	84.62	2.44324e-26	Legionellales	Legionellaceae	Legionella hackeliae
Protolaeospira eximia voucher BIOUG<CAN>:BAMPOL046	HM473657	77.44	78.85	2.44324e-26	Serpulidae	Serpulidae	Protolaeospira eximia
Protolaeospira eximia voucher BIOUG<CAN>:BAMPOL046	HM473656	77.44	78.85	2.44324e-26	Sabellida	Serpulidae	Protolaeospira eximia
Protolaeospira eximia voucher BIOUG<CAN>:BAMPOL046	HM473655	77.44	78.85	2.44324e-26	Sabellida	Serpulidae	Protolaeospira eximia
Sulfuricella denitrificans skB26 DNA, complete gen	AP013066	74	96.15	8.52775e-26	Sulfuricellales	Sulfuricellaceae	Sulfuricella denitrificans skB26
Protula pacifica voucher BIOUG<CAN>:BAMPOL0473 cyt	HM473658	77.5	76.92	8.52775e-26	Sabellida	Serpulidae	Protula pacifica
Polynucleobacter necessarius subsp. necessarius ST	CP001010	78.06	74.52	8.52775e-26	Burkholderiales	Burkholderiaceae	Polynucleobacter necessarius subsp. necessarius STIR1
Moritella viscosa genome assembly MVIS1 ,chromosom	LN554852	79.29	67.31	3.62609e-24	Alteromonadales	Moritellaceae	Moritella viscosa
Uncultured gamma proteobacterium clone SW004 cytoc	FJ868209	79.56	65.87	3.62609e-24			uncultured gamma proteobacterium
Scopelocheirus schellenbergi clone SS1_BsaBI_23 cy	AY830439	77.63	73.08	3.62609e-24	Amphipoda	Lysianassidae	Scopelocheirus schellenbergi
Alteromonas macleodii str. 'Black Sea 11', complet	CP003845	78.08	70.19	1.26563e-23	Alteromonadales	Alteromonadaceae	Alteromonas macleodii str. 'Black Sea 11'
Nitrosomonas sp. AL212, complete genome	CP002552	75.76	79.33	4.41748e-23	Nitrosomonadales	Nitrosomonadaceae	Nitrosomonas sp. AL212
Didemnum candidum isolate GAPB2 cytochrome c oxida	KJ725168	75.61	78.85	1.54185e-22	Enterogona	Didemnidae	Didemnum candidum
Scapharca broughtonii isolate AT408 cytochrome oxi	DQ435148	81.15	58.65	1.54185e-22	Arcidae	Scapharca broughtonii	Scapharca broughtonii
Didemnum candidum cytochrome oxidase subunit I gen	AY116602	75.61	78.85	1.54185e-22	Enterogona	Didemnidae	Didemnum candidum
Alteromonas macleodii strain HOT1A3, complete geno	CP012202	77.4	70.19	5.3816e-22	Alteromonadales	Alteromonadaceae	Alteromonas macleodii
Alteromonas macleodii strain D7, complete genome	CP014323	77.4	70.19	5.3816e-22	Alteromonadales	Alteromonadaceae	Alteromonas macleodii
Alteromonas macleodii ATCC 27126, complete genome	CP003841	77.4	70.19	5.3816e-22	Alteromonadales	Alteromonadaceae	Alteromonas macleodii ATCC 27126
Nitrosomonas sp. Is79A3, complete genome	CP002876	74.85	82.21	5.3816e-22	Nitrosomonadales	Nitrosomonadaceae	Nitrosomonas sp. Is79A3
Candidatus Ruthia magnifica str. Cm (Calypdogena m	CP000488	75.74	80.29	5.3816e-22			Candidatus Ruthia magnifica str. Cm (Calypdogena magnifica)
Scapharca broughtonii isolate AT105 cytochrome oxi	DQ435095	79.69	61.54	5.3816e-22	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT706 cytochrome oxi	DQ435191	79.69	61.54	5.3816e-22	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT704 cytochrome oxi	DQ435189	79.69	61.54	5.3816e-22	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT702 cytochrome oxi	DQ435187	79.69	61.54	5.3816e-22	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT508 cytochrome oxi	DQ435166	79.69	61.54	5.3816e-22	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT507 cytochrome oxi	DQ435165	79.69	61.54	5.3816e-22	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT304 cytochrome oxi	DQ435125	79.69	61.54	5.3816e-22	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT710 cytochrome oxi	DQ435139	79.69	61.54	5.3816e-22	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT711 cytochrome oxi	DQ435140	79.69	61.54	5.3816e-22	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT303 cytochrome oxi	DQ435124	79.69	61.54	5.3816e-22	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT207 cytochrome oxi	DQ435114	79.69	61.54	5.3816e-22	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT211 cytochrome oxi	DQ435103	79.69	61.54	5.3816e-22	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT103 cytochrome oxi	DQ435105	79.69	61.54	5.3816e-22	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT206 cytochrome oxi	DQ435100	79.69	61.54	5.3816e-22	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT101 cytochrome oxi	DQ435094	79.69	61.54	5.3816e-22	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii cytochrome oxidase subunit I	AF305059	79.69	61.54	5.3816e-22	Arcoida	Arcidae	Scapharca broughtonii
Desmosomatidae sp. NB-Iso234 cytochrome oxidase su	KJ736166	76.32	73.08	1.87836e-21	Isopoda	Desmosomatidae	Desmosomatidae sp. NB-Iso234
Legionella fallonii LLAP-10 genome assembly LFA ,c	LN614827	74.72	84.62	1.87836e-21	Legionellales	Legionellaceae	Legionella fallonii LLAP-10
Terebella tantabiddycreekensis cytochrome oxidase	EU835671	76.32	73.08	1.87836e-21	Terebellida	Terebellidae	Terebella tantabiddycreekensis
Scapharca broughtonii isolate AT505 cytochrome oxi	DQ435163	80.33	58.65	1.87836e-21	Arcoida	Arcidae	Scapharca broughtonii
Adipicola sp. JDF2008 gill symbiont clone JDFSymCO	KF521921	75	78.85	6.55613e-21			Adipicola sp. JDF2008 gill symbiont
Alteromonas macleodii str. 'Balearic Sea AD45', co	CP003873	76.71	70.19	6.55613e-21	Alteromonadales	Alteromonadaceae	Alteromonas macleodii str. 'Balearic Sea AD45'
Alteromonas macleodii str. 'English Channel 673',	CP003844	76.71	70.19	6.55613e-21	Alteromonadales	Alteromonadaceae	Alteromonas macleodii str. 'English Channel 673'
Kangiella koreensis DSM 16069, complete genome	CP001707	77.08	69.23	6.55613e-21	Oceanospirillales	Alcanivoracaceae	Kangiella koreensis DSM 16069
Nitrosomonas eutropha C91, complete genome	CP000450	73.74	86.06	6.55613e-21	Nitrosomonadales	Nitrosomonadaceae	Nitrosomonas eutropha C91
Methylomonas denitrificans strain FJG1, complete g	CP014476	74.12	81.73	2.28831e-20	Methylococcales	Methylococcaceae	Methylomonas denitrificans
Alteromonas mediterranea strain U10, complete geno	CP013930	79.67	59.13	2.28831e-20	Alteromonadales	Alteromonadaceae	Alteromonas mediterranea
Alteromonas mediterranea strain UM8, complete geno	CP013928	79.67	59.13	2.28831e-20	Alteromonadales	Alteromonadaceae	Alteromonas mediterranea
Polychaeta sp. EBS61o-Po36 cytochrome oxidase subu	KJ736175	74.55	79.33	2.28831e-20			Polychaeta sp. EBS61o-Po36
Alteromonas macleodii str. 'Deep ecotype', complet	CP001103	79.67	59.13	2.28831e-20	Alteromonadales	Alteromonadaceae	Alteromonas mediterranea DE
Alteromonas macleodii str. 'Ionian Sea UM4b', comp	CP004855	79.67	59.13	2.28831e-20	Alteromonadales	Alteromonadaceae	Alteromonas mediterranea UM4b
Alteromonas macleodii str. 'Ionian Sea UM7', compl	CP004853	79.67	59.13	2.28831e-20	Alteromonadales	Alteromonadaceae	Alteromonas mediterranea UM7
Alteromonas macleodii str. 'Ionian Sea U8', comple	CP004852	79.67	59.13	2.28831e-20	Alteromonadales	Alteromonadaceae	Alteromonas mediterranea U8
Alteromonas macleodii str. 'Ionian Sea U7', comple	CP004851	79.67	59.13	2.28831e-20	Alteromonadales	Alteromonadaceae	Alteromonas mediterranea U7
Alteromonas macleodii str. 'Ionian Sea U4', comple	CP004849	79.67	59.13	2.28831e-20	Alteromonadales	Alteromonadaceae	Alteromonas mediterranea U4
Alteromonas macleodii str. 'Aegean Sea MED64', com	CP004848	74.55	79.33	2.28831e-20	Alteromonadales	Alteromonadaceae	Alteromonas mediterranea MED64
Alteromonas macleodii str. 'English Channel 615',	CP004846	74.55	79.33	2.28831e-20	Alteromonadales	Alteromonadaceae	Alteromonas mediterranea 615
Uncultured Alteromonas sp. AD1000-G18-15 genomic s	JX888854	79.67	59.13	2.28831e-20	Alteromonadales	Alteromonadaceae	uncultured Alteromonas sp. AD1000-G18-15
Alteromonas macleodii AltDE1, complete genome	CP003917	79.67	59.13	2.28831e-20	Alteromonadales	Alteromonadaceae	Alteromonas mediterranea DE1
Spirorbis sp. CMC02 voucher BIOUG<CAN>:HUNTSPOL020	HQ024246	74.4	80.77	2.28831e-20	Sabellida	Serpulidae	Spirorbis sp. CMC02
Spirorbis sp. CMC02 voucher BIOUG<CAN>:HUNTSPOL020	HQ024245	74.4	80.77	2.28831e-20	Sabellida	Serpulidae	Spirorbis sp. CMC02
Uncultured organism isolate Algarrobo_3 cytochrome	FJ541272	79.2	60.1	2.28831e-20			uncultured organism
Uncultured organism isolate Algarrobo_2 cytochrome	FJ541271	79.2	60.1	2.28831e-20			uncultured organism
Uncultured organism isolate Algarrobo_1 cytochrome	FJ541270	79.2	60.1	2.28831e-20			uncultured organism
Scapharca broughtonii isolate AT602 cytochrome oxi	DQ435169	78.91	61.54	2.28831e-20	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT401 cytochrome oxi	DQ435135	81.42	54.33	2.28831e-20	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT708 cytochrome oxi	DQ435137	78.91	61.54	2.28831e-20	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT402 cytochrome oxi	DQ435136	78.91	61.54	2.28831e-20	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT107 cytochrome oxi	DQ435108	78.2	63.94	2.28831e-20	Arcoida	Arcidae	Scapharca broughtonii
Scapharca broughtonii isolate AT102 cytochrome oxi	DQ435093	78.91	61.54	2.28831e-20	Arcoida	Arcidae	Scapharca broughtonii
Beta proteobacterium CB, complete genome	CP004348	75.66	73.08	7.987e-20			beta proteobacterium CB
Neanthes sp. RP2011-N cytochrome oxidase subunit I	JX866607	74.39	78.85	7.987e-20	Phyllodocida	Nereididae	Neanthes sp. RP2011-N
Glaciecola nitratireducens FR1064, complete genome	CP003060	76.19	70.67	7.987e-20	Alteromonadales	Alteromonadaceae	Glaciecola nitratireducens FR1064
Spirorbis sp. CMC02 voucher BIOUG<CAN>:HUNTSPOL020	HQ024247	74.39	78.85	7.987e-20	Sabellida	Serpulidae	Spirorbis sp. CMC02
Polynucleobacter asymbioticus QLW-P1DMWA-1, comple	CP000655	75.66	73.08	7.987e-20	Burkholderiales	Burkholderiaceae	Polynucleobacter asymbioticus QLW-P1DMWA-1
Methylomonas sp. DH-1, complete genome	CP014360	74.68	75.96	2.78774e-19	Methylococcales	Methylococcaceae	Methylomonas sp. DH-1
Bathymodiolus aff. brevior thioautotrophic gill sy	KF521920	74.7	78.85	2.78774e-19			Bathymodiolus aff. brevior thioautotrophic gill symbiont