

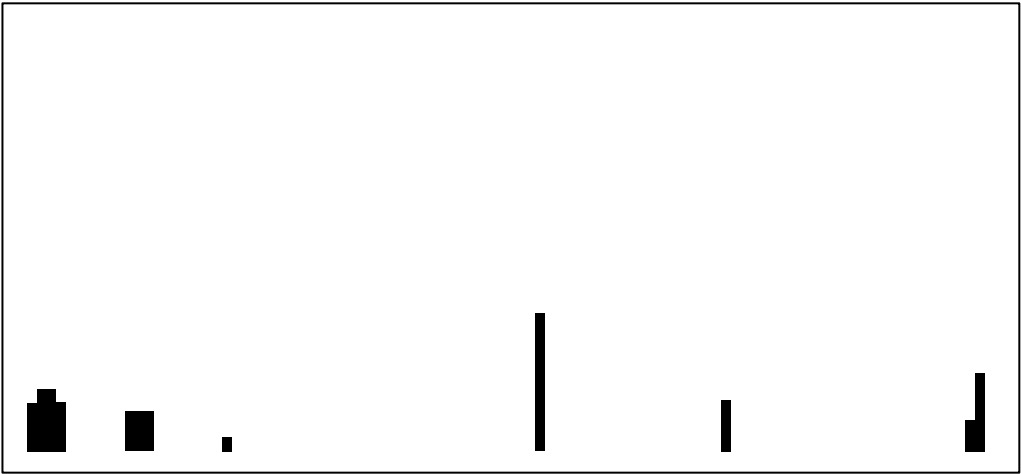
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Serpulidae sp. BOLD:AAG0874

Serpulidae

Sabellida

82.26



Serpulidae sp. BOLD:AAG0874 voucher BIOUG<CAN>:WS0	HM417793	82.26	88.15	1.05705e-43	Sabellida	Serpulidae	Serpulidae sp. BOLD:AAG0874
Spirorbis sp. CMC01 voucher BIOUG<CAN>:HUNTSPOL020	HQ024244	82.93	77.73	8.12661e-39	Sabellida	Serpulidae	Spirorbis sp. CMC01
Spirorbis sp. CMC01 voucher BIOUG<CAN>:HUNTSPOL020	HQ024243	82.93	77.73	8.12661e-39	Sabellida	Serpulidae	Spirorbis sp. CMC01
Protula pacifica voucher BIOUG<CAN>:BAMPOL0473 cyt	HM473658	82.32	77.73	3.45552e-37	Sabellida	Serpulidae	Protula pacifica
Nitrosomonas sp. AL212, complete genome	CP002552	77.51	99.05	3.45552e-37	Nitrosomonadales	Nitrosomonadaceae	Nitrosomonas sp. AL212
Neanthes sp. RP2011-N cytochrome oxidase subunit I	JX866607	79.46	87.68	1.2061e-36	Phyllostocida	Nereididae	Neanthes sp. RP2011-N
Spirorbis sp. CMC02 voucher BIOUG<CAN>:HUNTSPOL020	HQ024247	76.04	100	1.46933e-35	Sabellida	Serpulidae	Spirorbis sp. CMC02
Spirorbis sp. CMC02 voucher BIOUG<CAN>:HUNTSPOL020	HQ024246	76.04	100	1.46933e-35	Sabellida	Serpulidae	Spirorbis sp. CMC02
Spirorbis sp. CMC02 voucher BIOUG<CAN>:HUNTSPOL020	HQ024245	76.04	100	1.46933e-35	Sabellida	Serpulidae	Spirorbis sp. CMC02
Nitrosomonas communis strain Nm2, complete genome	CP011451	76.67	99.53	5.12845e-35	Nitrosomonadales	Nitrosomonadaceae	Nitrosomonas communis
Protolaeospira eximia voucher BIOUG<CAN>:BAMPOL046	HM473657	81.88	75.83	5.12845e-35	Sabellida	Serpulidae	Protolaeospira eximia
Protolaeospira eximia voucher BIOUG<CAN>:BAMPOL046	HM473656	81.88	75.83	5.12845e-35	Sabellida	Serpulidae	Protolaeospira eximia
Protolaeospira eximia voucher BIOUG<CAN>:BAMPOL046	HM473655	81.88	75.83	5.12845e-35	Sabellida	Serpulidae	Protolaeospira eximia
Nitrosomonas eutropha C91, complete genome	CP000450	77.36	99.53	1.79e-34	Nitrosomonadales	Nitrosomonadaceae	Nitrosomonas eutropha C91
Methylothenera versatilis 301, complete genome	CP002056	76.89	100	6.24773e-34	Methylophilales	Methylophilaceae	Methylothenera versatilis 301
Nitrosomonas ureae strain Nm10, complete genome	CP013341	76.08	99.05	2.18067e-33	Nitrosomonadales	Nitrosomonadaceae	Nitrosomonas ureae
Beta proteobacterium CB, complete genome	CP004348	79.52	78.67	9.27245e-32			beta proteobacterium CB
Polynucleobacter asymbioticus QLW-P1DMWA-1, comple	CP000655	78.41	83.41	9.27245e-32	Burkholderiales	Burkholderiaceae	Polynucleobacter asymbioticus QLW-P1DMWA-1
Nitrosomonas sp. Is79A3, complete genome	CP002876	75.36	98.1	1.12962e-30	Nitrosomonadales	Nitrosomonadaceae	Nitrosomonas sp. Is79A3
Polynucleobacter necessarius subsp. necessarius ST	CP001010	78.53	83.41	3.94275e-30	Burkholderiales	Burkholderiaceae	Polynucleobacter necessarius subsp. necessarius STIR1
Nitrosomonas europaea ATCC 19718, complete genome	AL954747	80.67	71.09	1.37615e-29	Nitrosomonadales	Nitrosomonadaceae	Nitrosomonas europaea ATCC 19718
Uncultured organism isolate Algarrobo_3 cytochrome	FJ541272	75.77	91.94	4.80325e-29			uncultured organism
Uncultured organism isolate Algarrobo_2 cytochrome	FJ541271	75.77	91.94	4.80325e-29			uncultured organism
Uncultured organism isolate Algarrobo_1 cytochrome	FJ541270	75.77	91.94	4.80325e-29			uncultured organism
Polychaeta sp. EBS61o-Po36 cytochrome oxidase subu	KJ736175	78.31	78.67	5.85156e-28			Polychaeta sp. EBS61o-Po36
Uncultured organism isolate Los Vilos_40 cytochrom	FJ541283	74.04	98.58	2.04239e-27			uncultured organism
Uncultured organism isolate Constitucion_16 cytoch	FJ541282	74.04	98.58	2.04239e-27			uncultured organism
Uncultured organism isolate Constitucion_12 cytoch	FJ541280	74.04	98.58	2.04239e-27			uncultured organism
Uncultured organism isolate Constitucion_24 cytoch	FJ541278	74.04	98.58	2.04239e-27			uncultured organism
Uncultured organism isolate Constitucion_21 cytoch	FJ541275	74.04	98.58	2.04239e-27			uncultured organism
Uncultured organism isolate Constitucion_13 cytoch	FJ541274	74.04	98.58	2.04239e-27			uncultured organism
Uncultured organism isolate Chipana_1 cytochrome o	FJ541273	74.04	98.58	2.04239e-27			uncultured organism
Teredinibacter turnerae T7901, complete genome	CP001614	77.11	78.67	2.48815e-26	Cellvibrionales	Cellvibrionaceae	Teredinibacter turnerae T7901
Uncultured organism isolate Constitucion_8 cytochr	FJ541277	73.56	98.58	8.68448e-26			uncultured organism
Cycloclasticus zancles 78-ME, complete genome	CP005996	76.65	79.15	3.03118e-25	Thiotrichales	Piscirickettsiaceae	Cycloclasticus zancles 78-ME
Cycloclasticus sp. P1, complete genome	CP003230	76.65	79.15	3.03118e-25	Thiotrichales	Piscirickettsiaceae	Cycloclasticus sp. P1
Scopelochelirus schellenbergi clone SS1_BsaBI_23 cy	AY830439	76.65	79.15	3.03118e-25	Amphipoda	Lysianassidae	Scopelochelirus schellenbergi
Methylophilales bacterium MBRSG12 genome	CP011003	77.56	73.93	1.05799e-24	Methylophilales		Methylophilales bacterium MBRSG12
Methylophilales bacterium MBRSH7 genome	CP011002	77.56	73.93	1.05799e-24	Methylophilales		Methylophilales bacterium MBRSH7
Methylophilales bacterium MBRSF5 genome	CP011001	77.56	73.93	1.05799e-24	Methylophilales		Methylophilales bacterium MBRSF5
Pseudoalteromonas atlantica T6c, complete genome	CP000388	76.19	79.62	1.05799e-24	Alteromonadales	Pseudoalteromonadaceae	Pseudoalteromonas atlantica T6c
Gynuelia sunshinyii YC6258, complete genome	CP007142	76.54	76.78	3.69273e-24	Oceanospirillales	Saccharospirillaceae	Gynuelia sunshinyii YC6258
Betaproteobacteria bacterium UKL13-2, complete gen	CP012157	75	83.41	1.28889e-23			Betaproteobacteria bacterium UKL13-2
Polychaeta sp. OPC-2015 cytochrome c oxidase subun	KT334230	75.9	78.67	1.28889e-23			Polychaeta sp. OPC-2015
Polynucleobacter duraquae strain MWH-MoK4, complet	CP007501	75	83.41	1.28889e-23	Burkholderiales	Burkholderiaceae	Polynucleobacter duraquae
Polynucleobacter sp. QLW-P1FAT50C-4 genome	CP015922	75.71	83.41	4.49867e-23	Burkholderiales	Burkholderiaceae	Polynucleobacter sp. QLW-P1FAT50C-4
Phascolosoma esculenta cytochrome c oxidase subuni	EF521190	75.6	79.62	4.49867e-23	Phascolosomatiformes	Phascolosomatidae	Phascolosoma esculenta
Crucigera sp. CMC01 voucher BIOUG<CAN>:BAMPOL0323	HM473344	73.68	89.57	1.57019e-22	Sabellida	Serpulidae	Crucigera sp. CMC01
Uncultured gamma proteobacterium clone SW004 cytoc	FJ868209	75.93	76.78	1.57019e-22			uncultured gamma proteobacterium
Curvibacter putative symbiont of Hydra magnipapill	FN543104	75.15	80.09	1.57019e-22			Curvibacter putative symbiont of Hydra magnipapillata
Candidatus Ruthia magnifica str. Cm (Calypotgena m	CP000488	75.61	77.73	1.57019e-22	Burkholderiales	Comamonadaceae	Candidatus Ruthia magnifica str. Cm (Calypotgena magnifica)
Spongiibacter sp. IMCC21906, complete genome	CP011477	79.69	60.66	5.4805e-22	Cellvibrionales	Spongiibacteraceae	Spongiibacter sp. IMCC21906
Solenocera crassicornis cytochrome c oxidase (COI)	KF540214	86.46	45.5	5.4805e-22	Decapoda	Solenoceridae	Solenocera crassicornis
Microbulbifer thermotolerans strain DAU221, comple	CP014864	76.13	73.46	1.91288e-21	Cellvibrionales	Microbulbiferaceae	Microbulbifer thermotolerans
Endosymbiont of Bathymodiolus septemdiarium str. My	AP013042	74.85	79.15	1.91288e-21			endosymbiont of Bathymodiolus septemdiarium str. Myojin knoll
Halomonas sp. R57-5 genome assembly HalomonasR57-5	LN813019	78.1	64.93	1.91288e-21	Oceanospirillales	Halomonadaceae	Halomonas sp. R57-5
Moritella viscosa genome assembly MVIS1 ,chromosom	LN554852	78.52	63.98	1.91288e-21	Alteromonadales	Moritellaceae	Moritella viscosa
Adipicola sp. JDF2008 gill symbiont clone JDFsymCO	KF521921	77.86	66.35	1.91288e-21			Adipicola sp. JDF2008 gill symbiont
Legionella longbeachae NSW150, complete genome	FN650140	77.86	66.35	1.91288e-21	Legionellales	Legionellaceae	Legionella longbeachae NSW150
Coelomactra antiquata strain GY cytochrome oxidase	FJ653656	74.85	79.15	1.91288e-21	Veneroida	Macruidae	Coelomactra antiquata
Coelomactra antiquata strain LYG-116 cytochrome ox	GQ406236	74.85	79.15	1.91288e-21	Veneroida	Macruidae	Coelomactra antiquata
Psychromonas ingrahamii 37, complete genome	CP000510	74.85	79.15	1.91288e-21	Alteromonadales	Psychromonadaceae	Psychromonas ingrahamii 37
Colwellia psychrerythraea 34H, complete genome	CP000083	75.15	78.2	1.91288e-21	Alteromonadales	Colwelliaceae	Colwellia psychrerythraea 34H
Rhodocyceaeae bacterium PG1-Ca6, complete genome	CP010554	74.7	78.67	6.67662e-21	Rhodocycales	Rhodocyceaeae	Rhodocyceaeae bacterium PG1-Ca6
Calypotgena ponderosa endosymbiont clone 7 cytochr	FJ899955	75	77.73	6.67662e-21			Calypotgena ponderosa endosymbiont
Cnemidocarpa verrucosa mitochondrial partial COI g	AJ830012	79.84	58.77	6.67662e-21	Stolidobranchia	Styelidae	Cnemidocarpa verrucosa
Nitrosospira briensis C-128, complete genome	CP012371	73.99	81.99	2.33037e-20	Nitrosomonadales	Nitrosomonadaceae	Nitrosospira briensis C-128
Uncultured bacterium partial COI gene for cytochro	LN828729	78.91	60.66	2.33037e-20			uncultured bacterium
Legionella fallonii LLAP-10 genome assembly LFA ,c	LN614827	77.54	65.4	2.33037e-20	Legionellales	Legionellaceae	Legionella fallonii LLAP-10
Didemnum candidum isolate GAAAC13 cytochrome c oxi	KJ725164	74.55	78.2	2.33037e-20	Enterogona	Didemnidae	Didemnum candidum
Methylomicrobium alcaliphilum str. 20Z chromosome,	F0082060	78.91	60.66	2.33037e-20	Methylococcales	Methylococcaceae	Methylomicrobium alcaliphilum 20Z
Eurythenes gryllus clone EG_SacII_40 cytochrome ox	AY830420	82.41	51.18	2.33037e-20	Amphipoda	Lysianassidae	Eurythenes gryllus
Vibrio breoganii strain FF50 chromosome 2, complet	CP016178	79.83	56.4	8.13379e-20	Vibrionales	Vibrionaceae	Vibrio breoganii
Tatlockia micdadei genome assembly LMI ,chromosome	LN614830	74.39	77.73	8.13379e-20	Legionellales	Legionellaceae	Tatlockia micdadei
Bathymodiolus aff. brevior thioautotrophic gill sy	KF521920	74.25	79.15	8.13379e-20			Bathymodiolus aff. brevior thioautotrophic gill symbiont
Bacterium symbiont of Laubiericoncha chuni isolate	JX900957	74.39	77.73	8.13379e-20			bacterium symbiont of Laubiericoncha chuni
Bacterium symbiont of Christineconcha regab isolat	JX900955	74.39	77.73	8.13379e-20			bacterium symbiont of Christineconcha regab
Bacterium symbiont of Christineconcha regab isolat	JX900952	74.39	77.73	8.13379e-20			bacterium symbiont of Christineconcha regab
Bacterium symbiont of Christineconcha regab isolat	JX900951	74.39	77.73	8.13379e-20			bacterium symbiont of Christineconcha regab
Bacterium symbiont of Christineconcha regab isolat	JX900949	74.39	77.73	8.13379e-20			bacterium symbiont of Christineconcha regab
Bacterium symbiont of Christineconcha regab isolat	JX900948	74.39	77.73	8.13379e-20			bacterium symbiont of Christineconcha regab
Bacterium symbiont of Christineconcha regab isolat	JX900947	74.39	77.73	8.13379e-20			bacterium symbiont of Christineconcha regab
Bacterium symbiont of Christineconcha regab isolat	JX900946	74.39	77.73	8.13379e-20			bacterium symbiont of Christineconcha regab
Bacterium symbiont of Christineconcha regab isolat	JX900945	74.39	77.73	8.13379e-20			bacterium symbiont of Christineconcha regab
Bacterium symbiont of Christineconcha regab isolat	JX900944	74.39	77.73	8.13379e-20			bacterium symbiont of Christineconcha regab
Bacterium symbiont of Christineconcha regab isolat	JX900943	74.39	77.73	8.13379e-20			bacterium symbiont of Christineconcha regab
Bacterium symbiont of Christineconcha regab isolat	JX900942	74.39	77.73	8.13379e-20			bacterium symbiont of Christineconcha regab
Bacterium symbiont of Christineconcha regab isolat	JX900941	74.39	77.73	8.13379e-20			bacterium symbiont of Christineconcha regab
Bacterium symbiont of Christineconcha regab isolat	JX900940	74.39	77.73	8.13379e-20			bacterium symbiont of Christineconcha regab
Bacterium symbiont of Christineconcha regab isolat	JX900939	74.39	77.73	8.13379e-20			bacterium symbiont of Christineconcha regab
Bacterium symbiont of Christineconcha regab isolat	JX900938	74.39	77.73	8.13379e-20			bacterium symbiont of Christineconcha regab
Bacterium symbiont of Christineconcha regab isolat	JX900935	74.39	77.73	8.13379e-20			bacterium symbiont of Christineconcha regab
Bacterium symbiont of Christineconcha regab isolat	JX900934	74.39	77.73	8.13379e-20			bacterium symbiont of Christineconcha regab
Simidiuia agarivorans SA1 = DSM 21679, complete gen	CP003746	74.69	76.78	8.13379e-20	Cellvibrionales	Cellvibrionaceae	Simidiuia agarivorans SA1 = DSM 21679
Vesicomya sp. mt-III symbiont clone 9 cytochrome c	FJ899957	74.39	77.73	8.13379e-20			Vesicomya sp. mt-III symbiont
Vesicomya cordata gill symbiont clone 8 cytochrome	FJ899956	74.39	77.73	8.13379e-20			Vesicomya cordata gill symbiont
Vibrio natriegens strain CCUG 16371 chromosome 2,	CP016348	81.48	51.18	2.83897e-19	Vibrionales	Vibrionaceae	Vibrio natriegens
Zhongshania aliphaticivorans strain SM2, complete	CP014544	83.67	46.45	2.83897e-19	Cellvibrionales	Spongiibacteraceae	Zhongshania aliphaticivorans
Limnohabitans sp. 63ED37-2, complete genome	CP011774	74.1	78.67	2.83897e-19	Burkholderiales	Comamonadaceae	Limnohabitans sp. 63ED37-2
Legionella hackeliae genome assembly LHA, chromoso	LN681225	75.5	71.56	2.83897e-19	Legionellales	Legionellaceae	Legionella hackeliae