

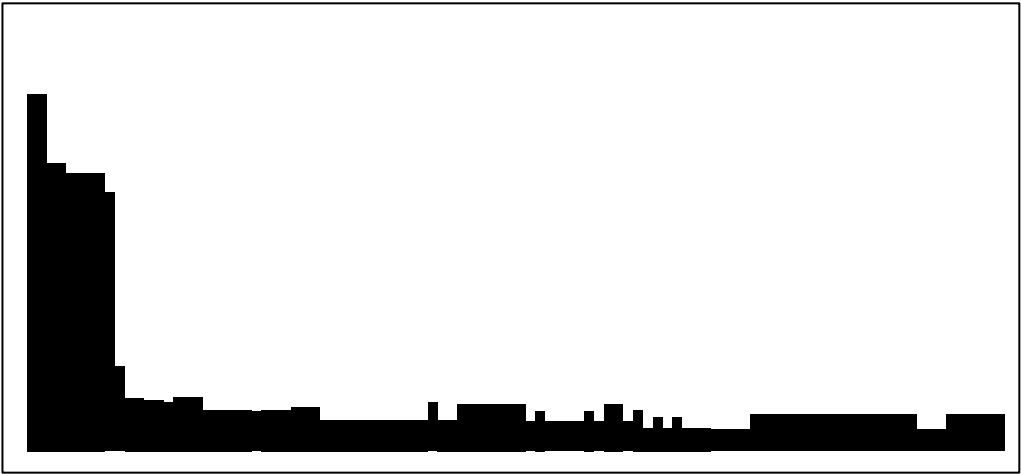
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Lumbriculus sp. BOLD:AAG5080

Lumbriculidae

Lumbriculida

96.76



Lumbriculus sp. BOLD:AAG5080 voucher 08BBANN-114 c	KM612204	96.76	99.54	2.92326e-95	Lumbriculida	Lumbriculidae	Lumbriculus sp. BOLD:AAG5080
Lumbriculus sp. BOLD:AAG5080 voucher 08BBANN-111 c	KM611931	96.76	99.54	2.92326e-95	Lumbriculida	Lumbriculidae	Lumbriculus sp. BOLD:AAG5080
Lumbriculus variegatus isolate CE1993 cytochrome o	FJ639300	93.52	99.54	4.95023e-86	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1102 cytochrome o	FJ639280	93.52	99.54	4.95023e-86	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1828 cytochrome o	FJ639293	93.06	99.54	2.10489e-84	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1827 cytochrome o	FJ639283	93.06	99.54	2.10489e-84	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1826 cytochrome o	FJ639282	93.06	99.54	2.10489e-84	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1825 cytochrome o	FJ639281	93.06	99.54	2.10489e-84	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE27 clone 1 cytoch	FJ639298	92.13	99.54	3.12393e-82	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Eclipidrilus frigidus isolate CE557 cytochrome oxi	GU592300	83.98	94.93	1.51696e-54	Lumbriculida	Lumbriculidae	Eclipidrilus frigidus
Eremidrilus coyote isolate Ecoy cytochrome oxidase	JQ821636	82.49	100	5.29472e-54	Lumbriculida	Lumbriculidae	Eremidrilus coyote
Trichodrilus sp. SAB-2001 cytochrome c oxidase sub	AY040705	82.49	100	5.29472e-54	Lumbriculida	Lumbriculidae	Trichodrilus sp. SAB-2001
Chaetogaster limnaei voucher AS998E cytochrome oxi	KF952336	82.41	99.54	1.84804e-53	Haplotaxida	Tubificidae	Chaetogaster limnaei
Rhinodrilus priollii isolate INPA1 cytochrome c ox	JF501460	82.41	99.54	1.84804e-53	Haplotaxida	Glossoscolecidae	Rhinodrilus priollii
Eclipidrilus frigidus cytochrome c oxidase subunit	AY040706	82.33	99.08	1.84804e-53	Lumbriculida	Lumbriculidae	Eclipidrilus frigidus
Aporrectodea rosea isolate RMON7 cytochrome c oxid	KF441978	82.55	97.7	2.25137e-52	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RMON5 cytochrome c oxid	KF441976	82.55	97.7	2.25137e-52	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RMON2 cytochrome c oxid	KF441973	82.55	97.7	2.25137e-52	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RMON6 cytochrome c oxid	KF441978	81.94	99.54	7.85806e-52	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RMON4 cytochrome c oxid	KF441975	81.94	99.54	7.85806e-52	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RMON3 cytochrome c oxid	KF441974	81.94	99.54	7.85806e-52	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RMON1 cytochrome c oxid	KF441972	81.94	99.54	7.85806e-52	Haplotaxida	Lumbricidae	Aporrectodea rosea
Rhinodrilus priollii isolate UFAM1 cytochrome c ox	JF501463	81.94	99.54	7.85806e-52	Haplotaxida	Glossoscolecidae	Rhinodrilus priollii
Achaeta cf. bohemica PDW-2010 isolate CE1766 cytoc	GU902033	81.86	99.08	7.85806e-52	Haplotaxida	Megascolecidae	Achaeta cf. bohemica PDW-2010
Metaphire paiwanna voucher sp21TII-163 cytochrome	AY962138	81.94	99.54	7.85806e-52	Haplotaxida	Megascolecidae	Metaphire paiwanna
Metaphire paiwanna voucher sp21TII-159 cytochrome	AY962136	81.94	99.54	7.85806e-52	Haplotaxida	Megascolecidae	Metaphire paiwanna
Placobdella montifera cytochrome c oxidase subunit	AY047323	81.94	99.54	7.85806e-52	Rhynchobdellida	Glossiphoniidae	Placobdella montifera
Diplocardia smithi isolate 50 cytochrome oxidase s	EF156665	82.08	97.7	2.74273e-51	Haplotaxida	Megascolecidae	Diplocardia smithi
Diplocardia rugosa isolate 48 cytochrome oxidase s	EF156663	82.08	97.7	2.74273e-51	Haplotaxida	Megascolecidae	Diplocardia rugosa
Diplocardia smithi isolate 47 cytochrome oxidase s	EF156662	82.08	97.7	2.74273e-51	Haplotaxida	Megascolecidae	Diplocardia smithi
Eophila tellinii voucher IT-MP-21 cytochrome oxida	KT352963	81.48	99.54	9.57308e-51	Haplotaxida	Lumbricidae	Eophila tellinii
Eophila tellinii voucher IT_MGP_Ragogna_5 cytochro	KT352962	81.48	99.54	9.57308e-51	Haplotaxida	Lumbricidae	Eophila tellinii
Eophila tellinii voucher IT_MGP_Ragogna_2 cytochro	KT352957	81.48	99.54	9.57308e-51	Haplotaxida	Lumbricidae	Eophila tellinii
Eophila tellinii voucher IT_MGP_Ragogna_4 cytochro	KT352939	81.48	99.54	9.57308e-51	Haplotaxida	Lumbricidae	Eophila tellinii
Eophila tellinii voucher IT_MGP_Ragogna_3 cytochro	KT352925	81.48	99.54	9.57308e-51	Haplotaxida	Lumbricidae	Eophila tellinii
Grania variochaeta voucher SMNH<SWE>:107797 cytoch	GU473629	81.48	99.54	9.57308e-51	Haplotaxida	Enchytraeidae	Grania variochaeta
Grania variochaeta voucher SMNH<SWE>:107803 cytoch	GU473595	81.48	99.54	9.57308e-51	Haplotaxida	Enchytraeidae	Grania variochaeta
Grania variochaeta voucher SMNH<SWE>:107807 cytoch	GU473594	81.48	99.54	9.57308e-51	Haplotaxida	Enchytraeidae	Grania variochaeta
Grania variochaeta isolate CE547 cytochrome oxidas	GU473681	81.48	99.54	9.57308e-51	Haplotaxida	Enchytraeidae	Grania variochaeta
Grania variochaeta isolate CE198 cytochrome oxidas	GU473680	81.48	99.54	9.57308e-51	Haplotaxida	Enchytraeidae	Grania variochaeta
Grania variochaeta isolate PDW10 cytochrome oxidas	GU473678	81.48	99.54	9.57308e-51	Haplotaxida	Enchytraeidae	Grania variochaeta
Hormogaster riojana haplotype ALE cytochrome oxida	EF653906	82.3	96.31	9.57308e-51	Haplotaxida	Hormogastridae	Hormogaster riojana
Metaphire paiwanna voucher sp21TII-157 cytochrome	AY962135	81.48	99.54	9.57308e-51	Haplotaxida	Megascolecidae	Metaphire paiwanna
Metaphire paiwanna voucher sp21TII-156 cytochrome	AY962133	81.48	99.54	9.57308e-51	Haplotaxida	Megascolecidae	Metaphire paiwanna
Chaetogaster limnaei voucher AS1118E cytochrome ox	KF952346	82.21	95.85	3.34133e-50	Haplotaxida	Tubificidae	Chaetogaster limnaei
Chaetogaster limnaei voucher AS1111E cytochrome ox	KF952333	82.21	95.85	3.34133e-50	Haplotaxida	Tubificidae	Chaetogaster limnaei
Chaetogaster limnaei voucher AS1112E cytochrome ox	KF952326	82.21	95.85	3.34133e-50	Haplotaxida	Tubificidae	Chaetogaster limnaei
Chaetogaster limnaei voucher AS1075E cytochrome ox	KF952311	82.21	95.85	3.34133e-50	Haplotaxida	Tubificidae	Chaetogaster limnaei
Chaetogaster limnaei voucher AS992E cytochrome oxi	KF952308	82.21	95.85	3.34133e-50	Haplotaxida	Tubificidae	Chaetogaster limnaei
Chaetogaster limnaei voucher AS1121E cytochrome ox	KF952303	82.21	95.85	3.34133e-50	Haplotaxida	Tubificidae	Chaetogaster limnaei
Chaetogaster limnaei voucher AS1009E cytochrome ox	KF952298	82.21	95.85	3.34133e-50	Haplotaxida	Tubificidae	Chaetogaster limnaei
Nais communis mitochondrial partial COI gene for c	LN810253	81.4	99.08	3.34133e-50	Haplotaxida	Tubificidae	Nais communis
Eiseniona albolineata voucher UCMLT 60100 cytochro	KF746384	81.9	96.77	3.34133e-50	Haplotaxida	Lumbricidae	Eiseniona albolineata
Nais sp. morphotype A3 isolate CE632 cytochrome ox	JQ519899	81.4	99.08	3.34133e-50	Haplotaxida	Tubificidae	Nais communis/variabilis complex sp. A3
Nais sp. morphotype A3 isolate CE3907 cytochrome o	JQ519882	81.4	99.08	3.34133e-50	Haplotaxida	Tubificidae	Nais communis/variabilis complex sp. A3
Nais sp. morphotype A3 isolate CE3492 cytochrome o	JQ519872	81.4	99.08	3.34133e-50	Haplotaxida	Tubificidae	Nais communis/variabilis complex sp. A3
Nais sp. morphotype A3 isolate CE3500 cytochrome o	JQ519875	81.4	99.08	3.34133e-50	Haplotaxida	Tubificidae	Nais communis/variabilis complex sp. A3
Grania curta isolate CE267 cytochrome oxidase subu	GU902185	81.9	96.77	3.34133e-50	Haplotaxida	Enchytraeidae	Grania curta
Piguetiella michiganensis cytochrome oxidase subun	GQ355373	81.4	99.08	3.34133e-50	Haplotaxida	Tubificidae	Piguetiella michiganensis
Lumbriculus variegatus isolate CE1792 cytochrome o	FJ639305	82.21	95.85	3.34133e-50	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1833 cytochrome o	FJ639284	82.21	95.85	3.34133e-50	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Slavina appendiculata isolate SLAapslo cytochrome	AF534857	81.4	99.08	3.34133e-50	Haplotaxida	Tubificidae	Slavina appendiculata
Eophila tellinii voucher IT_MGP_Fornace Toppo_2 cy	KT352955	81.94	99.08	1.16624e-49	Haplotaxida	Lumbricidae	Eophila tellinii
Amyntas incongruus clone JS0604_4B2 cytochrome ox	KP030735	81.11	100	1.16624e-49	Haplotaxida	Megascolecidae	Amyntas incongruus
Rhynchelmis utahensis isolate CE585 cytochrome oxi	GU592322	81.6	97.7	1.16624e-49	Lumbriculida	Lumbriculidae	Rhynchelmis utahensis
Rhynchelmis utahensis isolate CE496 cytochrome oxi	GU592321	81.11	100	1.16624e-49	Lumbriculida	Lumbriculidae	Rhynchelmis utahensis
Rhynchelmis utahensis isolate CE491 cytochrome oxi	GU592319	81.6	97.7	1.16624e-49	Lumbriculida	Lumbriculidae	Rhynchelmis utahensis
Lumbricidae sp. DPEW60818 voucher EW-ECO-0076 cyto	GU014076	81.11	100	1.16624e-49	Haplotaxida	Lumbricidae	Lumbricidae sp. DPEW60818
Lumbricidae sp. DPEW60818 voucher EW-ECO-0068 cyto	GU014071	81.11	100	1.16624e-49	Haplotaxida	Lumbricidae	Lumbricidae sp. DPEW60818
Lumbricidae sp. DPEW60818 voucher EW-ECO-0070 cyto	GU014073	81.11	100	1.16624e-49	Haplotaxida	Lumbricidae	Lumbricidae sp. DPEW60818
Eophila tellinii voucher IT-MP-23 cytochrome oxida	KT352969	81.02	99.54	4.07058e-49	Haplotaxida	Lumbricidae	Eophila tellinii
Eophila tellinii voucher IT_MGP_Ragogna_1 cytochro	KT352960	81.02	99.54	4.07058e-49	Haplotaxida	Lumbricidae	Eophila tellinii
Eophila tellinii voucher IT-MP-22 cytochrome oxida	KT352958	81.02	99.54	4.07058e-49	Haplotaxida	Lumbricidae	Eophila tellinii
Aporrectodea rosea isolate RAIN1 cytochrome c oxid	KF441900	81.02	99.54	4.07058e-49	Haplotaxida	Lumbricidae	Aporrectodea rosea
Chaetogaster limnaei voucher AS1074P cytochrome ox	KF952351	81.73	95.85	4.07058e-49	Haplotaxida	Tubificidae	Chaetogaster limnaei
Chaetogaster limnaei voucher RH05bP cytochrome oxi	KF952340	81.73	95.85	4.07058e-49	Haplotaxida	Tubificidae	Chaetogaster limnaei
Chaetogaster limnaei voucher AS1072P cytochrome ox	KF952338	81.73	95.85	4.07058e-49	Haplotaxida	Tubificidae	Chaetogaster limnaei
Chaetogaster limnaei voucher AS1060P cytochrome ox	KF952334	81.73	95.85	4.07058e-49	Haplotaxida	Tubificidae	Chaetogaster limnaei
Chaetogaster limnaei voucher AS1021P cytochrome ox	KF952331	81.73	95.85	4.07058e-49	Haplotaxida	Tubificidae	Chaetogaster limnaei
Chaetogaster limnaei voucher AS983P cytochrome oxi	KF952330	81.73	95.85	4.07058e-49	Haplotaxida	Tubificidae	Chaetogaster limnaei
Chaetogaster limnaei voucher AS1002E cytochrome ox	KF952327	81.73	95.85	4.07058e-49	Haplotaxida	Tubificidae	Chaetogaster limnaei
Chaetogaster limnaei voucher RH05E cytochrome oxid	KF952323	81.73	95.85	4.07058e-49	Haplotaxida	Tubificidae	Chaetogaster limnaei
Chaetogaster limnaei voucher AS1064P cytochrome ox	KF952321	81.73	95.85	4.07058e-49	Haplotaxida	Tubificidae	Chaetogaster limnaei
Chaetogaster limnaei voucher AS984P cytochrome oxi	KF952318	81.73	95.85	4.07058e-49	Haplotaxida	Tubificidae	Chaetogaster limnaei
Chaetogaster limnaei voucher RH06P cytochrome oxid	KF952313	81.73	95.85	4.07058e-49	Haplotaxida	Tubificidae	Chaetogaster limnaei
Chaetogaster limnaei voucher AS1078P cytochrome ox	KF952310	81.73	95.85	4.07058e-49	Haplotaxida	Tubificidae	Chaetogaster limnaei
Chaetogaster limnaei voucher RH04bP cytochrome oxi	KF952309	81.73	95.85	4.07058e-49	Haplotaxida	Tubificidae	Chaetogaster limnaei
Chaetogaster limnaei voucher AS1073P cytochrome ox	KF952307	81.73	95.85	4.07058e-49	Haplotaxida	Tubificidae	Chaetogaster limnaei
Chaetogaster limnaei voucher RH01P cytochrome oxid	KF952300	81.73	95.85	4.07058e-49	Haplotaxida	Tubificidae	Chaetogaster limnaei
Lumbriculus variegatus mitochondrial partial COI g	LN810270	81.73	95.85	4.07058e-49	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus mitochondrial partial COI g	LN810269	81.73	95.85	4.07058e-49	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Grania variochaeta voucher SMNH<SWE>:107802 cytoch	GU473654	81.02	99.54	4.07058e-49	Haplotaxida	Enchytraeidae	Grania variochaeta
Grania variochaeta isolate PDW101 cytochrome oxida	GU473679	81.02	99.54	4.07058e-49	Haplotaxida	Enchytraeidae	Grania variochaeta
Aporrectodea rosea voucher EW-SJ-638 cytochrome ox	GU013832	81.02	99.54	4.07058e-49	Haplotaxida	Lumbricidae	Aporrectodea rosea
Lumbriculus variegatus isolate CE1072 cytochrome o	FJ639307	81.73	95.85	4.07058e-49	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE869 cytochrome ox	FJ639306	81.73	95.85	4.07058e-49	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1944 cytochrome o	FJ639303	81.73	95.85	4.07058e-49	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1109 cytochrome o	FJ639301	81.73	95.85	4.07058e-49	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE27 clone 2 cytoch	FJ639299	81.73	95.85	4.07058e-49	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1832 cytochrome o	FJ639297	81.73	95.85	4.07058e-49	Lumbriculida	Lumbriculidae	Lumbriculus variegatus