

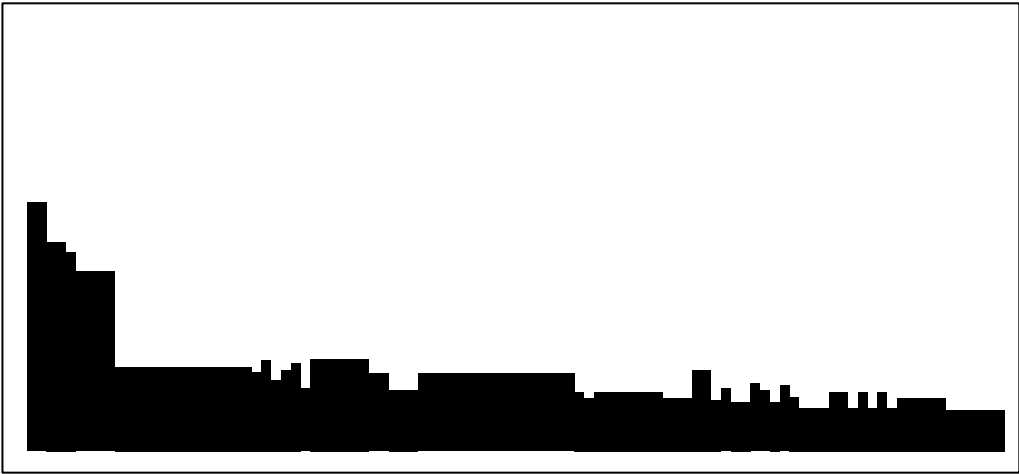
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Lumbriculus sp. BOLD:AAG5080

Lumbriculidae

Lumbriculida

91.67



Lumbriculus sp. BOLD:AAG5080 voucher 08BBANN-114 c	KM612204	91.67	99.54	1.32955e-80	Lumbriculida	Lumbriculidae	Lumbriculus sp. BOLD:AAG5080
Lumbriculus sp. BOLD:AAG5080 voucher 08BBANN-111 c	KM611931	91.67	99.54	1.32955e-80	Lumbriculida	Lumbriculidae	Lumbriculus sp. BOLD:AAG5080
Lumbriculus variegatus isolate CE1993 cytochrome o	FJ639300	89.81	99.54	3.56769e-75	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1102 cytochrome o	FJ639280	89.81	99.54	3.56769e-75	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1828 cytochrome o	FJ639293	89.35	99.54	1.51702e-73	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE27 clone 1 cytoch	FJ639298	88.43	99.54	2.25146e-71	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1827 cytochrome o	FJ639283	88.43	99.54	7.85836e-71	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1826 cytochrome o	FJ639282	88.43	99.54	7.85836e-71	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1825 cytochrome o	FJ639281	88.43	99.54	7.85836e-71	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Aporrectodea rosea isolate RNAV5 cytochrome c oxid	KF441987	83.96	97.7	1.02306e-56	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RNAV3 cytochrome c oxid	KF441985	83.96	97.7	1.02306e-56	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RNAV2 cytochrome c oxid	KF441984	83.96	97.7	1.02306e-56	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RNAV1 cytochrome c oxid	KF441983	83.96	97.7	1.02306e-56	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RVRU3 cytochrome c oxid	KF441960	83.96	97.7	1.02306e-56	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RVRU2 cytochrome c oxid	KF441959	83.96	97.7	1.02306e-56	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RVRU1 cytochrome c oxid	KF441958	83.96	97.7	1.02306e-56	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RTAL3 cytochrome c oxid	KF441954	83.96	97.7	1.02306e-56	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RTAL2 cytochrome c oxid	KF441953	83.96	97.7	1.02306e-56	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RARC2 cytochrome c oxid	KF441906	83.96	97.7	1.02306e-56	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RALE3 cytochrome c oxid	KF441903	83.96	97.7	1.02306e-56	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RALE2 cytochrome c oxid	KF441902	83.96	97.7	1.02306e-56	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RALE1 cytochrome c oxid	KF441901	83.96	97.7	1.02306e-56	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RINC1 cytochrome c oxid	KF441899	83.96	97.7	1.02306e-56	Haplotaxida	Lumbricidae	Aporrectodea rosea
Nais sp. morphotype A3 isolate CE3500 cytochrome o	JQ519875	83.72	99.08	1.02306e-56	Haplotaxida	Tubificidae	Nais communis/variabilis complex sp. A3
Grania curta isolate CE267 cytochrome oxidase subu	GU902185	84.29	96.77	1.02306e-56	Haplotaxida	Enchytraeidae	Grania curta
Rhinodrilus contortus isolate PF1 cytochrome c oxi	JF501458	83.33	99.54	3.57084e-56	Haplotaxida	Glossoscolecidae	Rhinodrilus contortus
Metaphire agrestis mitochondrial COI gene for cyto	AB542605	83.81	96.77	1.24635e-55	Haplotaxida	Megascolecidae	Metaphire agrestis
Lumbriculus variegatus isolate CE1101 cytochrome o	FJ639285	84.13	95.85	1.24635e-55	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Mesenchytraeus calyx voucher 828 cytochrome c oxid	KR872346	82.95	100	4.35018e-55	Haplotaxida	Enchytraeidae	Mesenchytraeus calyx
Grania variochaeta voucher SMNH<SWE>:107797 cytoch	GU473629	84.31	94.01	4.35018e-55	Haplotaxida	Enchytraeidae	Grania variochaeta
Grania variochaeta voucher SMNH<SWE>:107803 cytoch	GU473595	84.31	94.01	4.35018e-55	Haplotaxida	Enchytraeidae	Grania variochaeta
Grania variochaeta voucher SMNH<SWE>:107807 cytoch	GU473594	84.31	94.01	4.35018e-55	Haplotaxida	Enchytraeidae	Grania variochaeta
Grania variochaeta isolate CE547 cytochrome oxidas	GU473681	84.31	94.01	4.35018e-55	Haplotaxida	Enchytraeidae	Grania variochaeta
Grania variochaeta isolate CE198 cytochrome oxidas	GU473680	84.31	94.01	4.35018e-55	Haplotaxida	Enchytraeidae	Grania variochaeta
Grania variochaeta isolate PDW10 cytochrome oxidas	GU473678	84.31	94.01	4.35018e-55	Haplotaxida	Enchytraeidae	Grania variochaeta
Lumbriculus variegatus mitochondrial partial COI g	LN810270	83.65	95.85	1.51836e-54	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus mitochondrial partial COI g	LN810269	83.65	95.85	1.51836e-54	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Rhinodrilus contortus isolate PF2 cytochrome c oxi	JF501459	82.87	99.54	1.51836e-54	Haplotaxida	Glossoscolecidae	Rhinodrilus contortus
Lumbricidae sp. DPEW59537 voucher EW-SJ-634 cytoch	GU014067	82.87	99.54	1.51836e-54	Haplotaxida	Lumbricidae	Lumbricidae sp. DPEW59537
Lumbricidae sp. DPEW59537 voucher EW-SJ-635 cytoch	GU014068	82.87	99.54	1.51836e-54	Haplotaxida	Lumbricidae	Lumbricidae sp. DPEW59537
Lumbriculus variegatus isolate CE1072 cytochrome o	FJ639307	83.65	95.85	1.51836e-54	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE869 cytochrome ox	FJ639306	83.65	95.85	1.51836e-54	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1944 cytochrome o	FJ639303	83.65	95.85	1.51836e-54	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1109 cytochrome o	FJ639301	83.65	95.85	1.51836e-54	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE27 clone 2 cytoch	FJ639299	83.65	95.85	1.51836e-54	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1832 cytochrome o	FJ639297	83.65	95.85	1.51836e-54	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1831 cytochrome o	FJ639296	83.65	95.85	1.51836e-54	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1829 cytochrome o	FJ639294	83.65	95.85	1.51836e-54	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1107 cytochrome o	FJ639292	83.65	95.85	1.51836e-54	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1106 cytochrome o	FJ639291	83.65	95.85	1.51836e-54	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1105 cytochrome o	FJ639290	83.65	95.85	1.51836e-54	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1104 cytochrome o	FJ639289	83.65	95.85	1.51836e-54	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1103 cytochrome o	FJ639288	83.65	95.85	1.51836e-54	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1100 cytochrome o	FJ639287	83.65	95.85	1.51836e-54	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1108 cytochrome o	FJ639286	83.65	95.85	1.51836e-54	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus cytochrome oxidase subunit	AY519464	83.65	95.85	1.51836e-54	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Nais sp. morphotype A3 isolate CE632 cytochrome ox	JQ519899	82.79	99.08	5.2996e-54	Haplotaxida	Tubificidae	Nais communis/variabilis complex sp. A3
Cantharus cecillei isolate LSGB23208 cytochrome ox	HQ834063	82.49	100	5.2996e-54	Buccinidae	Buccinidae	Cantharus cecillei
Metaphire vesiculata mitochondrial COI gene for cy	AB542690	82.79	99.08	5.2996e-54	Haplotaxida	Megascolecidae	Metaphire vesiculata
Metaphire vesiculata mitochondrial COI gene for cy	AB542689	82.79	99.08	5.2996e-54	Haplotaxida	Megascolecidae	Metaphire vesiculata
Metaphire vesiculata mitochondrial COI gene for cy	AB542688	82.79	99.08	5.2996e-54	Haplotaxida	Megascolecidae	Metaphire vesiculata
Metaphire agrestis mitochondrial COI gene for cyto	AB542602	82.79	99.08	5.2996e-54	Haplotaxida	Megascolecidae	Metaphire agrestis
Metaphire agrestis mitochondrial COI gene for cyto	AB542601	82.79	99.08	5.2996e-54	Haplotaxida	Megascolecidae	Metaphire agrestis
Metaphire agrestis mitochondrial COI gene for cyto	AB542600	82.79	99.08	5.2996e-54	Haplotaxida	Megascolecidae	Metaphire agrestis
Metaphire agrestis mitochondrial COI gene for cyto	AB542597	82.79	99.08	5.2996e-54	Haplotaxida	Megascolecidae	Metaphire agrestis
Lumbricidae sp. DPEW60818 voucher EW-ECO-0076 cyto	GU014076	82.49	100	5.2996e-54	Haplotaxida	Lumbricidae	Lumbricidae sp. DPEW60818
Lumbricidae sp. DPEW60818 voucher EW-ECO-0068 cyto	GU014071	82.49	100	5.2996e-54	Haplotaxida	Lumbricidae	Lumbricidae sp. DPEW60818
Lumbricidae sp. DPEW60818 voucher EW-ECO-0070 cyto	GU014073	82.49	100	5.2996e-54	Haplotaxida	Lumbricidae	Lumbricidae sp. DPEW60818
Grania variochaeta voucher SMNH<SWE>:107802 cytoch	GU473654	83.82	94.01	1.84974e-53	Haplotaxida	Enchytraeidae	Grania variochaeta
Grania variochaeta isolate PDW101 cytochrome oxida	GU473679	83.82	94.01	1.84974e-53	Haplotaxida	Enchytraeidae	Grania variochaeta
Aporrectodea rosea voucher EW-SJ-638 cytochrome ox	GU013832	82.41	99.54	1.84974e-53	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RFOR1 cytochrome c oxid	KF441897	82.95	99.54	6.45623e-53	Haplotaxida	Lumbricidae	Aporrectodea rosea
Amynthas tristriatus voucher SC201006-02 cytochro	KF179569	82.33	99.08	6.45623e-53	Haplotaxida	Megascolecidae	Amynthas tristriatus
Nais sp. morphotype A3 isolate CE1144 cytochrome o	JQ519827	82.33	99.08	6.45623e-53	Haplotaxida	Tubificidae	Nais communis/variabilis complex sp. A3
Lumbriculus variegatus isolate CE1792 cytochrome o	FJ639305	83.17	95.85	6.45623e-53	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Telescolex korotneffi typical mitochondrial partia	AJ577629	82.86	96.77	6.45623e-53	Lumbriculida	Lumbriculidae	Telescolex korotneffi typica
Nais communis isolate NAI2fd cytochrome oxidase su	AF534845	82.33	99.08	6.45623e-53	Haplotaxida	Tubificidae	Nais communis
Aporrectodea rosea isolate RLOP3 cytochrome c oxid	KF441966	83.09	95.39	2.25345e-52	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RPEP1 cytochrome c oxid	KF441938	82.55	97.7	2.25345e-52	Haplotaxida	Lumbricidae	Aporrectodea rosea
Eremidrilus coyote isolate Ecoy cytochrome oxidase	JQ821636	82.03	100	2.25345e-52	Lumbriculida	Lumbriculidae	Eremidrilus coyote
Allolobophora chlorotica L1 voucher EW-ECO-0136 cy	JQ908635	82.03	100	2.25345e-52	Lumbricidae	Lumbricidae	Allolobophora chlorotica L1
Cantharus cecillei isolate LSGB232081 cytochrome o	JN053007	82.03	100	2.25345e-52	Buccinidae	Buccinidae	Cantharus cecillei
Amynthas tappensis mitochondrial COI gene for cyto	AB542546	82.78	96.31	2.25345e-52	Haplotaxida	Megascolecidae	Amynthas tappensis
Amynthas tappensis mitochondrial COI gene for cyto	AB542545	82.78	96.31	2.25345e-52	Haplotaxida	Megascolecidae	Amynthas tappensis
Lumbricidae sp. DPEW60818 voucher EW-ECO-0069 cyto	GU014072	82.03	100	2.25345e-52	Haplotaxida	Lumbricidae	Lumbricidae sp. DPEW60818
Ocneroдрilidae sp. DPEW39606 voucher EW-SJ-444 cyt	GU013978	82.78	96.31	2.25345e-52	Haplotaxida	Ocneroдрilidae	Ocneroдрilidae sp. DPEW39606
Allolobophora chlorotica L1 voucher EW-ECO-0087 cy	GU013794	82.03	100	2.25345e-52	Haplotaxida	Lumbricidae	Allolobophora chlorotica L1
Hormogaster riojana haplotype ALE cytochrome oxida	EF653906	82.78	96.31	2.25345e-52	Haplotaxida	Hormogasteridae	Hormogaster riojana
Trichodrilus sp. SAB-2001 cytochrome c oxidase sub	AY040705	82.03	100	2.25345e-52	Lumbriculida	Lumbriculidae	Trichodrilus sp. SAB-2001
Aporrectodea rosea isolate RLOP2 cytochrome c oxid	KF441965	82.49	99.54	7.8653e-52	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RFAR2 cytochrome c oxid	KF441932	82.49	99.54	7.8653e-52	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RFAR1 cytochrome c oxid	KF441931	82.49	99.54	7.8653e-52	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RATE4 cytochrome c oxid	KF441909	82.49	99.54	7.8653e-52	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RATE2 cytochrome c oxid	KF441908	82.49	99.54	7.8653e-52	Haplotaxida	Lumbricidae	Aporrectodea rosea
Wegeneriona sp. 3 DP-2015 voucher EW-NOU2-307 cyto	KM527812	81.94	99.54	7.8653e-52	Haplotaxida	Acanthodrilidae	Wegeneriona sp. 3 DP-2015
Wegeneriona sp. 3 DP-2015 voucher EW-NOU2-132 cyto	KM527807	81.94	99.54	7.8653e-52	Haplotaxida	Acanthodrilidae	Wegeneriona sp. 3 DP-2015
Wegeneriona sp. 3 DP-2015 voucher EW-NOU2-309 cyto	KM527701	81.94	99.54	7.8653e-52	Haplotaxida	Acanthodrilidae	Wegeneriona sp. 3 DP-2015
Wegeneriona sp. 3 DP-2015 voucher EW-NOU2-133 cyto	KM527694	81.94	99.54	7.8653e-52	Haplotaxida	Acanthodrilidae	Wegeneriona sp. 3 DP-2015
Wegeneriona sp. 3 DP-2015 voucher EW-NOU2-308 cyto	KM527683	81.94	99.54	7.8653e-52	Haplotaxida	Acanthodrilidae	Wegeneriona sp. 3 DP-2015
Wegeneriona sp. 3 DP-2015 voucher EW-NOU2-135 cyto	KM527665	81.94	99.54	7.8653e-52	Haplotaxida	Acanthodrilidae	Wegeneriona sp. 3 DP-2015