

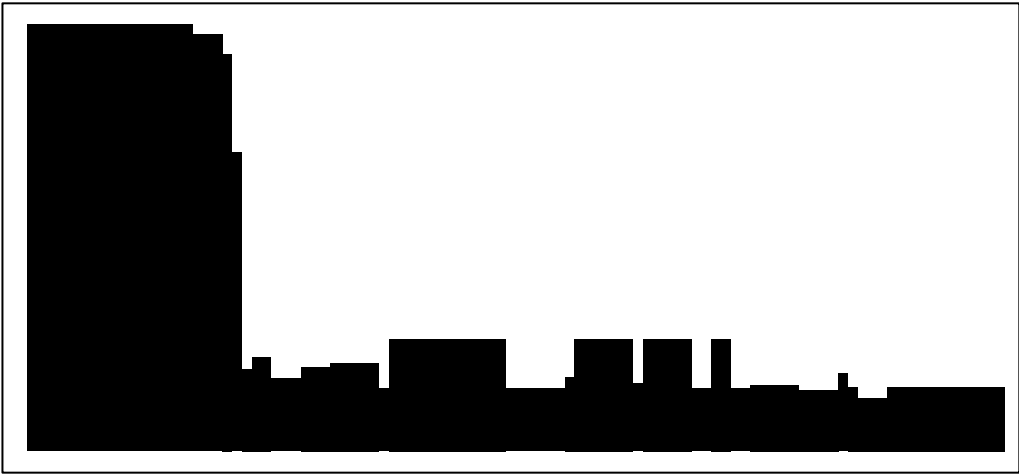
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Lumbriculus variegatus

Lumbriculidae

Lumbriculida

100



Lumbriculus variegatus mitochondrial partial COI g	LN810269	100	100	1.41832e-105	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1072 cytochrome o	FJ639307	100	100	1.41832e-105	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE869 cytochrome ox	FJ639306	100	100	1.41832e-105	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1944 cytochrome o	FJ639303	100	100	1.41832e-105	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1109 cytochrome o	FJ639301	100	100	1.41832e-105	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE27 clone 2 cytoch	FJ639299	100	100	1.41832e-105	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1832 cytochrome o	FJ639297	100	100	1.41832e-105	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1831 cytochrome o	FJ639296	100	100	1.41832e-105	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1829 cytochrome o	FJ639294	100	100	1.41832e-105	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1107 cytochrome o	FJ639292	100	100	1.41832e-105	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1106 cytochrome o	FJ639291	100	100	1.41832e-105	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1105 cytochrome o	FJ639290	100	100	1.41832e-105	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1104 cytochrome o	FJ639289	100	100	1.41832e-105	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1103 cytochrome o	FJ639288	100	100	1.41832e-105	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1100 cytochrome o	FJ639287	100	100	1.41832e-105	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1108 cytochrome o	FJ639286	100	100	1.41832e-105	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus cytochrome oxidase subunit	AY519464	100	100	1.41832e-105	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus mitochondrial partial COI g	LN810270	99.54	100	6.03084e-104	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1792 cytochrome o	FJ639305	99.54	100	6.03084e-104	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1101 cytochrome o	FJ639285	99.54	100	6.03084e-104	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1833 cytochrome o	FJ639284	98.62	100	3.12405e-101	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus cytochrome oxidase subunit	GU453374	94.01	100	1.16525e-87	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Stylodrilus heringianus voucher CE3866 cytochrome	JX993859	83.87	100	8.39781e-58	Lumbriculida	Lumbriculidae	Stylodrilus heringianus
Lumbricidae sp. DPEW38135 voucher EW-SJ-693 cytoch	GU013970	84.43	97.7	8.39781e-58	Haplotaxida	Lumbricidae	Lumbricidae sp. DPEW38135
Lumbricidae sp. DPEW38135 voucher EW-SJ-691 cytoch	GU013968	84.43	97.7	8.39781e-58	Haplotaxida	Lumbricidae	Lumbricidae sp. DPEW38135
Stylodrilus heringianus voucher CE1709 cytochrome	JX993857	83.41	100	1.02306e-56	Lumbriculida	Lumbriculidae	Stylodrilus heringianus
Achaeta affinis cytochrome oxidase subunit I-like	GU453366	83.41	100	1.02306e-56	Haplotaxida	Megascolecidae	Achaeta affinis
Enchytraeidae sp. DPEW79485 voucher EW-SJ-893 cyto	GU014148	83.41	100	1.02306e-56	Haplotaxida	Enchytraeidae	Enchytraeidae sp. DPEW79485
Ocneroдрilidae sp. DPEW39606 voucher EW-SJ-444 cyt	GU013978	83.96	97.7	1.02306e-56	Haplotaxida	Ocneroдрilidae	Ocneroдрilidae sp. DPEW39606
Ocneroдрilidae sp. DPEW38136 voucher EW-SJ-447 cyt	GU013972	83.96	97.7	1.02306e-56	Haplotaxida	Ocneroдрilidae	Ocneroдрilidae sp. DPEW38136
Ocneroдрilidae sp. DPEW38136 voucher EW-SJ-446 cyt	GU013971	83.96	97.7	1.02306e-56	Haplotaxida	Ocneroдрilidae	Ocneroдрilidae sp. DPEW38136
Lumbriculus variegatus isolate CE1993 cytochrome o	FJ639300	84.13	95.85	1.24635e-55	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1827 cytochrome o	FJ639283	84.13	95.85	1.24635e-55	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1826 cytochrome o	FJ639282	84.13	95.85	1.24635e-55	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1825 cytochrome o	FJ639281	84.13	95.85	1.24635e-55	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Lumbriculus variegatus isolate CE1102 cytochrome o	FJ639280	84.13	95.85	1.24635e-55	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Stylodrilus heringianus mitochondrial partial COI	LT598636	82.95	100	4.35018e-55	Lumbriculida	Lumbriculidae	Stylodrilus heringianus
Aporrectodea rosea isolate RMOAB1 cytochrome c oxi	KF441970	85.28	90.78	4.35018e-55	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RMNTA1 cytochrome c oxi	KF441968	85.28	90.78	4.35018e-55	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RSAN5 cytochrome c oxid	KF441951	85.28	90.78	4.35018e-55	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RSAN4 cytochrome c oxid	KF441950	85.28	90.78	4.35018e-55	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RSAN3 cytochrome c oxid	KF441949	85.28	90.78	4.35018e-55	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RSAN2 cytochrome c oxid	KF441948	85.28	90.78	4.35018e-55	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RSAN1 cytochrome c oxid	KF441947	85.28	90.78	4.35018e-55	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RROB2 cytochrome c oxid	KF441945	85.28	90.78	4.35018e-55	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RREO2 cytochrome c oxid	KF441943	85.28	90.78	4.35018e-55	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RREO1 cytochrome c oxid	KF441942	85.28	90.78	4.35018e-55	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RCR12 cytochrome c oxid	KF441920	85.28	90.78	4.35018e-55	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RCR11 cytochrome c oxid	KF441919	85.28	90.78	4.35018e-55	Haplotaxida	Lumbricidae	Aporrectodea rosea
Stylodrilus heringianus mitochondrial partial COI	LN810274	82.95	100	4.35018e-55	Lumbriculida	Lumbriculidae	Stylodrilus heringianus
Stylodrilus heringianus voucher CE4998 cytochrome	JX993864	82.95	100	4.35018e-55	Lumbriculida	Lumbriculidae	Stylodrilus heringianus
Stylodrilus heringianus voucher CE828 cytochrome o	JX993863	82.95	100	4.35018e-55	Lumbriculida	Lumbriculidae	Stylodrilus heringianus
Stylodrilus heringianus voucher CE1647 cytochrome	JX993861	82.95	100	4.35018e-55	Lumbriculida	Lumbriculidae	Stylodrilus heringianus
Stylodrilus heringianus voucher CE3977 cytochrome	JX993856	82.95	100	4.35018e-55	Lumbriculida	Lumbriculidae	Stylodrilus heringianus
Stylodrilus heringianus voucher CE9858 cytochrome	JX993850	82.95	100	4.35018e-55	Lumbriculida	Lumbriculidae	Stylodrilus heringianus
Amynthas wuhumontis voucher 14-07388 cytochrome c	JQ936598	83.49	97.7	4.35018e-55	Haplotaxida	Megascolecidae	Amynthas wuhumontis
Aporrectodea rosea L4 voucher EW-ECO-0275 cytochro	JQ909006	85.28	90.78	4.35018e-55	Haplotaxida	Lumbricidae	Aporrectodea rosea L4
Aporrectodea rosea L4 voucher EW-ECO-0303 cytochro	JQ909005	85.28	90.78	4.35018e-55	Haplotaxida	Lumbricidae	Aporrectodea rosea L4
Aporrectodea rosea L4 voucher EW-CA-079 cytochrome	JQ908994	85.28	90.78	4.35018e-55	Haplotaxida	Lumbricidae	Aporrectodea rosea L4
Aporrectodea rosea L4 voucher EW-CA-116 cytochrome	JQ908993	85.28	90.78	4.35018e-55	Haplotaxida	Lumbricidae	Aporrectodea rosea L4
Aporrectodea rosea L4 voucher EW-CA-103 cytochrome	JQ908992	85.28	90.78	4.35018e-55	Haplotaxida	Lumbricidae	Aporrectodea rosea L4
Aporrectodea rosea L4 voucher EW-ECO-0231 cytochro	JQ908962	85.28	90.78	4.35018e-55	Haplotaxida	Lumbricidae	Aporrectodea rosea L4
Lumbricidae sp. Esik41 mitochondrial COI gene for	AB607073	83.18	98.62	4.35018e-55	Haplotaxida	Lumbricidae	Lumbricidae sp. Esik41
Aporrectodea rosea voucher 0308 cytochrome c oxida	JN869892	85.28	90.78	4.35018e-55	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea voucher 0307 cytochrome c oxida	JN869891	85.28	90.78	4.35018e-55	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea tuberculata voucher 0206 cytochrome c	JN869877	85.28	90.78	4.35018e-55	Haplotaxida	Lumbricidae	Aporrectodea tuberculata
Rhynchelmis utahensis isolate CE585 cytochrome oxi	GU592322	85.28	90.78	4.35018e-55	Lumbriculida	Lumbriculidae	Rhynchelmis utahensis
Rhynchelmis utahensis isolate CE491 cytochrome oxi	GU592319	85.28	90.78	4.35018e-55	Lumbriculida	Lumbriculidae	Rhynchelmis utahensis
Tubifex tubifex voucher Tt158 cytochrome oxidase s	EU311383	82.95	100	4.35018e-55	Haplotaxida	Tubificidae	Tubifex tubifex
Enchytraeidae sp. DPEW79485 voucher EW-SJ-892 cyto	GU014149	82.95	100	4.35018e-55	Haplotaxida	Enchytraeidae	Enchytraeidae sp. DPEW79485
Lumbricidae sp. DPEW5895 voucher EW-SJ-804 cytochr	GU014065	85.28	90.78	4.35018e-55	Haplotaxida	Lumbricidae	Lumbricidae sp. DPEW5895
Aporrectodea rosea strain Ar5 cytochrome c oxidase	FJ214232	85.28	90.78	4.35018e-55	Haplotaxida	Lumbricidae	Aporrectodea rosea
Stylaria lacustris isolate STYlage cytochrome oxid	AF534862	82.95	100	4.35018e-55	Haplotaxida	Tubificidae	Stylaria lacustris
Stylaria lacustris cytochrome oxidase subunit I ge	AF054194	82.95	100	4.35018e-55	Haplotaxida	Tubificidae	Stylaria lacustris
Aporrectodea rosea isolate ROHB2 cytochrome c oxid	KF441993	83.1	98.16	1.51836e-54	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate ROHB1 cytochrome c oxid	KF441992	83.1	98.16	1.51836e-54	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RMOR4 cytochrome c oxid	KF441981	83.1	98.16	1.51836e-54	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RMOR2 cytochrome c oxid	KF441980	83.1	98.16	1.51836e-54	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RMOR1 cytochrome c oxid	KF441979	83.1	98.16	1.51836e-54	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RCAS4 cytochrome c oxid	KF441913	82.87	99.54	1.51836e-54	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RCAS3 cytochrome c oxid	KF441912	82.87	99.54	1.51836e-54	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RCAS2 cytochrome c oxid	KF441911	82.87	99.54	1.51836e-54	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RCAS1 cytochrome c oxid	KF441910	82.87	99.54	1.51836e-54	Haplotaxida	Lumbricidae	Aporrectodea rosea
Lumbriculus variegatus isolate CE1828 cytochrome o	FJ639293	83.65	95.85	1.51836e-54	Lumbriculida	Lumbriculidae	Lumbriculus variegatus
Aporrectodea rosea isolate RSEV1 cytochrome c oxid	KF441952	83.02	97.7	5.2996e-54	Lumbricidae	Lumbricidae	Aporrectodea rosea
Wegeneriona sp. 1 DP-2015 voucher EW-NOU2-064 cyto	KM527817	82.49	100	5.2996e-54	Haplotaxida	Acanthodrilidae	Wegeneriona sp. 1 DP-2015
Wegeneriona sp. 1 DP-2015 voucher EW-NOU2-084 cyto	KM527802	82.49	100	5.2996e-54	Haplotaxida	Acanthodrilidae	Wegeneriona sp. 1 DP-2015
Wegeneriona sp. 1 DP-2015 voucher EW-NOU2-051 cyto	KM527517	82.49	100	5.2996e-54	Haplotaxida	Acanthodrilidae	Wegeneriona sp. 1 DP-2015
Eisenia lucens voucher HNHM/16048 cytochrome c oxi	KM000905	83.02	97.7	5.2996e-54	Haplotaxida	Lumbricidae	Eisenia lucens
Hormogaster samnitica voucher UCMLT 00138 cytochro	KF974920	83.02	97.7	5.2996e-54	Haplotaxida	Hormogastridae	Hormogaster samnitica
Hormogaster samnitica voucher UCMLT 00136 cytochro	KF974917	83.02	97.7	5.2996e-54	Haplotaxida	Hormogastridae	Hormogaster samnitica
Hormogaster samnitica voucher UCMLT 00135 cytochro	KF974916	83.02	97.7	5.2996e-54	Haplotaxida	Hormogastridae	Hormogaster samnitica
Hormogaster samnitica voucher UCMLT 00134 cytochro	KF974915	83.02	97.7	5.2996e-54	Haplotaxida	Hormogastridae	Hormogaster samnitica
Hormogaster samnitica voucher UCMLT 00133 cytochro	KF974914	83.02	97.7	5.2996e-54	Haplotaxida	Hormogastridae	Hormogaster samnitica
Hormogaster samnitica voucher UCMLT 00130 cytochro	KF974911	83.02	97.7	5.2996e-54	Haplotaxida	Hormogastridae	Hormogaster samnitica
Lumbricus rubellus isolate WEM.01_B cytochrome oxi	KP642097	83.02	97.7	5.2996e-54	Haplotaxida	Lumbricidae	Lumbricus rubellus
Lumbricus rubellus isolate GLF.20_B cytochrome oxi	KP642096	83.02	97.7	5.2996e-54	Haplotaxida	Lumbricidae	Lumbricus rubellus
Eiseniona albolineata voucher UCMLT 60100 cytochro	KF746384	83.02	97.7	5.2996e-54	Haplotaxida	Lumbricidae	Eiseniona albolineata
Lumbricus rubellus voucher RD-LR10 cytochrome oxid	JN419223	83.02	97.7	5.2996e-54	Haplotaxida	Lumbricidae	Lumbricus rubellus
Lumbricus rubellus voucher RD-LR11 cytochrome oxid	JN419222	83.02	97.7	5.2996e-54	Haplotaxida	Lumbricidae	Lumbricus rubellus