

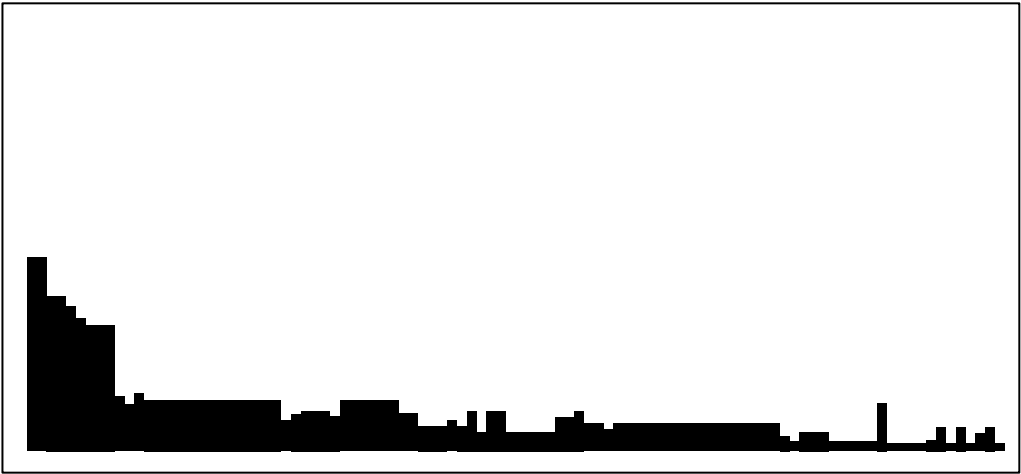
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Lumbriculus sp. BOLD:AAG5080

Lumbriculidae

Lumbriculida

89.09



| | | | | | | | |
|---|----------|-------|-------|-------------|-----------------|------------------|---|
| Lumbriculus sp. BOLD:AAG5080 voucher 08BBANN-114 c | KM612204 | 89.09 | 98.65 | 1.2867e-74 | Lumbriculida | Lumbriculidae | Lumbriculus sp. BOLD:AAG5080 |
| Lumbriculus sp. BOLD:AAG5080 voucher 08BBANN-111 c | KM611931 | 89.09 | 98.65 | 1.2867e-74 | Lumbriculida | Lumbriculidae | Lumbriculus sp. BOLD:AAG5080 |
| Lumbriculus variegatus isolate CE1993 cytochrome o | FJ639300 | 87.27 | 98.65 | 3.45271e-69 | Lumbriculida | Lumbriculidae | Lumbriculus variegatus |
| Lumbriculus variegatus isolate CE1102 cytochrome o | FJ639280 | 87.27 | 98.65 | 3.45271e-69 | Lumbriculida | Lumbriculidae | Lumbriculus variegatus |
| Lumbriculus variegatus isolate CE1828 cytochrome o | FJ639293 | 86.82 | 98.65 | 4.20626e-68 | Lumbriculida | Lumbriculidae | Lumbriculus variegatus |
| Lumbriculus variegatus isolate CE27 clone 1 cytoch | FJ639298 | 86.24 | 97.76 | 6.24264e-66 | Lumbriculida | Lumbriculidae | Lumbriculus variegatus |
| Lumbriculus variegatus isolate CE1827 cytochrome o | FJ639283 | 85.91 | 98.65 | 2.1789e-65 | Lumbriculida | Lumbriculidae | Lumbriculus variegatus |
| Lumbriculus variegatus isolate CE1826 cytochrome o | FJ639282 | 85.91 | 98.65 | 2.1789e-65 | Lumbriculida | Lumbriculidae | Lumbriculus variegatus |
| Lumbriculus variegatus isolate CE1825 cytochrome o | FJ639281 | 85.91 | 98.65 | 2.1789e-65 | Lumbriculida | Lumbriculidae | Lumbriculus variegatus |
| Nais sp. morphotype A3 isolate CE3500 cytochrome o | JQ519875 | 82.57 | 97.76 | 1.56891e-54 | Lumbriculida | Lumbriculidae | Nais communis/variabilis complex sp. A3 |
| Rhinodrilus contortus isolate PF1 cytochrome c oxi | JF501458 | 82.19 | 98.21 | 5.47604e-54 | Haplotaxida | Glossoscolecidae | Rhinodrilus contortus |
| Grania curta isolate CE267 cytochrome oxidase subu | GU902185 | 82.71 | 95.96 | 5.47604e-54 | Haplotaxida | Enchytraeidae | Grania curta |
| Aporrectodea rosea isolate RNAV5 cytochrome c oxid | KF441987 | 82.41 | 96.86 | 1.91133e-53 | Haplotaxida | Lumbricidae | Aporrectodea rosea |
| Aporrectodea rosea isolate RNAV3 cytochrome c oxid | KF441985 | 82.41 | 96.86 | 1.91133e-53 | Haplotaxida | Lumbricidae | Aporrectodea rosea |
| Aporrectodea rosea isolate RNAV2 cytochrome c oxid | KF441984 | 82.41 | 96.86 | 1.91133e-53 | Haplotaxida | Lumbricidae | Aporrectodea rosea |
| Aporrectodea rosea isolate RNAV1 cytochrome c oxid | KF441983 | 82.41 | 96.86 | 1.91133e-53 | Haplotaxida | Lumbricidae | Aporrectodea rosea |
| Aporrectodea rosea isolate RVRU3 cytochrome c oxid | KF441960 | 82.41 | 96.86 | 1.91133e-53 | Haplotaxida | Lumbricidae | Aporrectodea rosea |
| Aporrectodea rosea isolate RVRU2 cytochrome c oxid | KF441959 | 82.41 | 96.86 | 1.91133e-53 | Haplotaxida | Lumbricidae | Aporrectodea rosea |
| Aporrectodea rosea isolate RVRU1 cytochrome c oxid | KF441958 | 82.41 | 96.86 | 1.91133e-53 | Haplotaxida | Lumbricidae | Aporrectodea rosea |
| Aporrectodea rosea isolate RTAL3 cytochrome c oxid | KF441954 | 82.41 | 96.86 | 1.91133e-53 | Haplotaxida | Lumbricidae | Aporrectodea rosea |
| Aporrectodea rosea isolate RTAL2 cytochrome c oxid | KF441953 | 82.41 | 96.86 | 1.91133e-53 | Haplotaxida | Lumbricidae | Aporrectodea rosea |
| Aporrectodea rosea isolate RARC2 cytochrome c oxid | KF441906 | 82.41 | 96.86 | 1.91133e-53 | Haplotaxida | Lumbricidae | Aporrectodea rosea |
| Aporrectodea rosea isolate RALE3 cytochrome c oxid | KF441903 | 82.41 | 96.86 | 1.91133e-53 | Haplotaxida | Lumbricidae | Aporrectodea rosea |
| Aporrectodea rosea isolate RALE2 cytochrome c oxid | KF441902 | 82.41 | 96.86 | 1.91133e-53 | Haplotaxida | Lumbricidae | Aporrectodea rosea |
| Aporrectodea rosea isolate RALE1 cytochrome c oxid | KF441901 | 82.41 | 96.86 | 1.91133e-53 | Haplotaxida | Lumbricidae | Aporrectodea rosea |
| Aporrectodea rosea isolate RINC1 cytochrome c oxid | KF441899 | 82.41 | 96.86 | 1.91133e-53 | Haplotaxida | Lumbricidae | Aporrectodea rosea |
| Mesenchytraeus calyx voucher 828 cytochrome c oxid | KR872346 | 81.45 | 99.1 | 2.32847e-52 | Haplotaxida | Enchytraeidae | Mesenchytraeus calyx |
| Rhinodrilus contortus isolate PF2 cytochrome c oxi | JF501459 | 81.74 | 98.21 | 2.32847e-52 | Haplotaxida | Glossoscolecidae | Rhinodrilus contortus |
| Lumbricidae sp. DPEW60818 voucher EW-ECO-0076 cyto | GU014076 | 81.9 | 99.1 | 2.32847e-52 | Haplotaxida | Lumbricidae | Lumbricidae sp. DPEW60818 |
| Lumbricidae sp. DPEW60818 voucher EW-ECO-0068 cyto | GU014071 | 81.9 | 99.1 | 2.32847e-52 | Haplotaxida | Lumbricidae | Lumbricidae sp. DPEW60818 |
| Lumbricidae sp. DPEW60818 voucher EW-ECO-0070 cyto | GU014073 | 81.9 | 99.1 | 2.32847e-52 | Haplotaxida | Lumbricidae | Lumbricidae sp. DPEW60818 |
| Nais sp. morphotype A3 isolate CE632 cytochrome ox | JQ519899 | 81.65 | 97.76 | 8.12716e-52 | Haplotaxida | Tubificidae | Nais communis/variabilis complex sp. A3 |
| Grania variochaeta voucher SMNH<SWE>:107797 cytoch | GU473629 | 82.38 | 94.17 | 8.12716e-52 | Haplotaxida | Enchytraeidae | Grania variochaeta |
| Grania variochaeta voucher SMNH<SWE>:107803 cytoch | GU473595 | 82.38 | 94.17 | 8.12716e-52 | Haplotaxida | Enchytraeidae | Grania variochaeta |
| Grania variochaeta voucher SMNH<SWE>:107807 cytoch | GU473594 | 82.38 | 94.17 | 8.12716e-52 | Haplotaxida | Enchytraeidae | Grania variochaeta |
| Grania variochaeta isolate CE547 cytochrome oxidas | GU473681 | 82.38 | 94.17 | 8.12716e-52 | Haplotaxida | Enchytraeidae | Grania variochaeta |
| Grania variochaeta isolate CE198 cytochrome oxidas | GU473680 | 82.38 | 94.17 | 8.12716e-52 | Haplotaxida | Enchytraeidae | Grania variochaeta |
| Grania variochaeta isolate PDW10 cytochrome oxidas | GU473678 | 82.38 | 94.17 | 8.12716e-52 | Haplotaxida | Enchytraeidae | Grania variochaeta |
| Metaphire agrestis mitochondrial COI gene for cyto | AB542605 | 81.78 | 95.96 | 2.83666e-51 | Haplotaxida | Megascolecidae | Metaphire agrestis |
| Lumbriculus variegatus isolate CE1101 cytochrome o | FJ639285 | 81.78 | 95.96 | 2.83666e-51 | Lumbriculida | Lumbriculidae | Lumbriculus variegatus |
| Nais sp. morphotype A3 isolate CE1144 cytochrome o | JQ519827 | 81.19 | 97.76 | 9.90091e-51 | Haplotaxida | Tubificidae | Nais communis/variabilis complex sp. A3 |
| Metaphire vesiculata mitochondrial COI gene for cy | AB542690 | 81.19 | 97.76 | 9.90091e-51 | Haplotaxida | Megascolecidae | Metaphire vesiculata |
| Metaphire vesiculata mitochondrial COI gene for cy | AB542688 | 81.19 | 97.76 | 9.90091e-51 | Haplotaxida | Megascolecidae | Metaphire vesiculata |
| Lumbricidae sp. DPEW60818 voucher EW-ECO-0069 cyto | GU014072 | 81.45 | 99.1 | 9.90091e-51 | Haplotaxida | Lumbricidae | Lumbricidae sp. DPEW60818 |
| Nais communis isolate NAI2fd cytochrome oxidase su | AF534845 | 81.19 | 97.76 | 9.90091e-51 | Haplotaxida | Tubificidae | Nais communis |
| Eremidrilus coyote isolate Ecoy cytochrome oxidase | JQ821636 | 81.9 | 94.17 | 3.45576e-50 | Lumbriculida | Lumbriculidae | Eremidrilus coyote |
| Cantharus cecillei isolate LSGB23208 cytochrome ox | HQ834063 | 80.91 | 98.65 | 3.45576e-50 | Buccinidae | Buccinidae | Cantharus cecillei |
| Grania variochaeta voucher SMNH<SWE>:107802 cytoch | GU473654 | 81.9 | 94.17 | 3.45576e-50 | Enchytraeidae | Enchytraeidae | Grania variochaeta |
| Grania variochaeta isolate PDW101 cytochrome oxida | GU473679 | 81.9 | 94.17 | 3.45576e-50 | Enchytraeidae | Enchytraeidae | Grania variochaeta |
| Metaphire vesiculata mitochondrial COI gene for cy | AB542689 | 80.91 | 98.65 | 3.45576e-50 | Haplotaxida | Megascolecidae | Metaphire vesiculata |
| Metaphire agrestis mitochondrial COI gene for cyto | AB542602 | 80.91 | 98.65 | 3.45576e-50 | Haplotaxida | Megascolecidae | Metaphire agrestis |
| Metaphire agrestis mitochondrial COI gene for cyto | AB542601 | 80.91 | 98.65 | 3.45576e-50 | Haplotaxida | Megascolecidae | Metaphire agrestis |
| Metaphire agrestis mitochondrial COI gene for cyto | AB542600 | 80.91 | 98.65 | 3.45576e-50 | Haplotaxida | Megascolecidae | Metaphire agrestis |
| Metaphire agrestis mitochondrial COI gene for cyto | AB542597 | 80.91 | 98.65 | 3.45576e-50 | Haplotaxida | Megascolecidae | Metaphire agrestis |
| Amynthas tappensis mitochondrial COI gene for cyto | AB542546 | 81.6 | 95.07 | 3.45576e-50 | Haplotaxida | Megascolecidae | Amynthas tappensis |
| Amynthas tappensis mitochondrial COI gene for cyto | AB542545 | 81.6 | 95.07 | 3.45576e-50 | Haplotaxida | Megascolecidae | Amynthas tappensis |
| Trichodrilus sp. SAB-2001 cytochrome c oxidase sub | AY040705 | 81.9 | 94.17 | 3.45576e-50 | Lumbriculida | Lumbriculidae | Trichodrilus sp. SAB-2001 |
| Lumbriculus variegatus mitochondrial partial COI g | LN810270 | 81.31 | 95.96 | 1.20618e-49 | Lumbriculida | Lumbriculidae | Lumbriculus variegatus |
| Lumbriculus variegatus mitochondrial partial COI g | LN810269 | 81.31 | 95.96 | 1.20618e-49 | Lumbriculida | Lumbriculidae | Lumbriculus variegatus |
| Chaetogaster diastrophus cytochrome oxidase subuni | GQ355367 | 81.02 | 96.86 | 1.20618e-49 | Haplotaxida | Tubificidae | Chaetogaster diastrophus |
| Ocnodrilidae sp. DPEW39606 voucher EW-SJ-444 cyt | GU013978 | 81.31 | 95.96 | 1.20618e-49 | Haplotaxida | Ocnodrilidae | Ocnodrilidae sp. DPEW39606 |
| Lumbriculus variegatus isolate CE1072 cytochrome o | FJ639307 | 81.31 | 95.96 | 1.20618e-49 | Lumbriculida | Lumbriculidae | Lumbriculus variegatus |
| Lumbriculus variegatus isolate CE869 cytochrome ox | FJ639306 | 81.31 | 95.96 | 1.20618e-49 | Lumbriculida | Lumbriculidae | Lumbriculus variegatus |
| Lumbriculus variegatus isolate CE1944 cytochrome o | FJ639303 | 81.31 | 95.96 | 1.20618e-49 | Lumbriculida | Lumbriculidae | Lumbriculus variegatus |
| Lumbriculus variegatus isolate CE1109 cytochrome o | FJ639301 | 81.31 | 95.96 | 1.20618e-49 | Lumbriculida | Lumbriculidae | Lumbriculus variegatus |
| Lumbriculus variegatus isolate CE27 clone 2 cytoch | FJ639299 | 81.31 | 95.96 | 1.20618e-49 | Lumbriculida | Lumbriculidae | Lumbriculus variegatus |
| Lumbriculus variegatus isolate CE1832 cytochrome o | FJ639297 | 81.31 | 95.96 | 1.20618e-49 | Lumbriculida | Lumbriculidae | Lumbriculus variegatus |
| Lumbriculus variegatus isolate CE1831 cytochrome o | FJ639296 | 81.31 | 95.96 | 1.20618e-49 | Lumbriculida | Lumbriculidae | Lumbriculus variegatus |
| Lumbriculus variegatus isolate CE1829 cytochrome o | FJ639294 | 81.31 | 95.96 | 1.20618e-49 | Lumbriculida | Lumbriculidae | Lumbriculus variegatus |
| Lumbriculus variegatus isolate CE1107 cytochrome o | FJ639292 | 81.31 | 95.96 | 1.20618e-49 | Lumbriculida | Lumbriculidae | Lumbriculus variegatus |
| Lumbriculus variegatus isolate CE1106 cytochrome o | FJ639291 | 81.31 | 95.96 | 1.20618e-49 | Lumbriculida | Lumbriculidae | Lumbriculus variegatus |
| Lumbriculus variegatus isolate CE1105 cytochrome o | FJ639290 | 81.31 | 95.96 | 1.20618e-49 | Lumbriculida | Lumbriculidae | Lumbriculus variegatus |
| Lumbriculus variegatus isolate CE1104 cytochrome o | FJ639289 | 81.31 | 95.96 | 1.20618e-49 | Lumbriculida | Lumbriculidae | Lumbriculus variegatus |
| Lumbriculus variegatus isolate CE1103 cytochrome o | FJ639288 | 81.31 | 95.96 | 1.20618e-49 | Lumbriculida | Lumbriculidae | Lumbriculus variegatus |
| Lumbriculus variegatus isolate CE1100 cytochrome o | FJ639287 | 81.31 | 95.96 | 1.20618e-49 | Lumbriculida | Lumbriculidae | Lumbriculus variegatus |
| Lumbriculus variegatus isolate CE1108 cytochrome o | FJ639286 | 81.31 | 95.96 | 1.20618e-49 | Lumbriculida | Lumbriculidae | Lumbriculus variegatus |
| Lumbriculus variegatus cytochrome oxidase subunit | AY519464 | 81.31 | 95.96 | 1.20618e-49 | Lumbriculida | Lumbriculidae | Lumbriculus variegatus |
| Nais sp. morphotype A3 isolate CE3771 cytochrome o | JQ519878 | 80.73 | 97.76 | 4.20998e-49 | Haplotaxida | Tubificidae | Nais communis/variabilis complex sp. A3 |
| Cantharus cecillei isolate LSGB232081 cytochrome o | JN053007 | 80.45 | 98.65 | 4.20998e-49 | Buccinidae | Buccinidae | Cantharus cecillei |
| Grania ovithea voucher SMNH<SWE>:107757 cytochrom | GU473638 | 80.91 | 98.65 | 4.20998e-49 | Enchytraeidae | Enchytraeidae | Grania ovithea |
| Grania ovithea voucher SMNH<SWE>:107755 cytochrom | GU473635 | 80.91 | 98.65 | 4.20998e-49 | Enchytraeidae | Enchytraeidae | Grania ovithea |
| Grania ovithea voucher SMNH<SWE>:107753 cytochrom | GU473631 | 80.91 | 98.65 | 4.20998e-49 | Enchytraeidae | Enchytraeidae | Grania ovithea |
| Lumbricidae sp. DPEW59537 voucher EW-SJ-634 cytoch | GU014067 | 80.45 | 98.65 | 4.20998e-49 | Haplotaxida | Lumbricidae | Lumbricidae sp. DPEW59537 |
| Lumbricidae sp. DPEW59537 voucher EW-SJ-635 cytoch | GU014068 | 80.45 | 98.65 | 4.20998e-49 | Haplotaxida | Lumbricidae | Lumbricidae sp. DPEW59537 |
| Megascolecidae sp. DPEW58833 voucher EW-SJ-390 cyt | GU014062 | 80.45 | 98.65 | 4.20998e-49 | Haplotaxida | Megascolecidae | Megascolecidae sp. DPEW58833 |
| Lumbricidae sp. DPEW100011 voucher EW-SJ-777 cytoc | GU013841 | 80.45 | 98.65 | 4.20998e-49 | Haplotaxida | Lumbricidae | Lumbricidae sp. DPEW100011 |
| Aporrectodea rosea voucher EW-SJ-638 cytochrome ox | GU013832 | 80.45 | 98.65 | 4.20998e-49 | Haplotaxida | Lumbricidae | Aporrectodea rosea |
| Teleuscolex korotneffi typical mitochondrial partia | AJ577629 | 82.27 | 91.03 | 4.20998e-49 | Lumbriculida | Lumbriculidae | Teleuscolex korotneffi typical |
| Aporrectodea rosea isolate RCAS4 cytochrome c oxid | KF441913 | 80.37 | 98.21 | 1.46943e-48 | Haplotaxida | Lumbricidae | Aporrectodea rosea |
| Aporrectodea rosea isolate RCAS3 cytochrome c oxid | KF441912 | 80.37 | 98.21 | 1.46943e-48 | Haplotaxida | Lumbricidae | Aporrectodea rosea |
| Aporrectodea rosea isolate RCAS2 cytochrome c oxid | KF441911 | 80.37 | 98.21 | 1.46943e-48 | Haplotaxida | Lumbricidae | Aporrectodea rosea |
| Aporrectodea rosea isolate RCAS1 cytochrome c oxid | KF441910 | 80.37 | 98.21 | 1.46943e-48 | Haplotaxida | Lumbricidae | Aporrectodea rosea |
| Aporrectodea rosea isolate RFOR1 cytochrome c oxid | KF441897 | 80.54 | 98.65 | 1.46943e-48 | Haplotaxida | Lumbricidae | Aporrectodea rosea |
| Eiseniona albolineata voucher UCLMT 60100 cytochro | KF746384 | 81.13 | 95.07 | 1.46943e-48 | Haplotaxida | Lumbricidae | Eiseniona albolineata |
| Rhinodrilus priollii isolate INPA1 cytochrome c ox | JF501460 | 80.37 | 98.21 | 1.46943e-48 | Haplotaxida | Glossoscolecidae | Rhinodrilus priollii |
| Amynthas tappensis mitochondrial COI gene for cyto | AB542541 | 81.13 | 95.07 | 1.46943e-48 | Haplotaxida | Megascolecidae | Amynthas tappensis |
| Pisania striata mitochondrial partial COI gene for | FM999175 | 80.37 | 98.21 | 1.46943e-48 | Buccinidae | Buccinidae | Pisania striata |
| Lumbriculus variegatus isolate CE1792 cytochrome o | FJ639305 | 80.84 | 95.96 | 1.46943e-48 | Lumbriculida | Lumbriculidae | Lumbriculus variegatus |
| Hormogaster riojana haplotype ALE cytochrome oxida | EF653906 | 81.13 | 95.07 | 1.46943e-48 | Haplotaxida | Hormogastridae | Hormogaster riojana |
| Placobdella montifera cytochrome c oxidase subunit | AY047323 | 80.37 | 98.21 | 1.46943e-48 | Rhynchobdellida | Glossiphoniidae | Placobdella montifera |